AZELLA

Arizona English Language Learner Assessment

2014
Technical Report

Submitted to the
Arizona Department of Education
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ALWAYS LEARNING PEARSON

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FOREWORD

The technical information herein is intended for use by those who evaluate tests, interpret scores, or use test results in making educational decisions. It is assumed that the reader has technical knowledge of test construction and measurement procedures, as stated in *Standards for Educational and Psychological Testing* (American Educational Research Association, American Psychological Association, National Council on Measurement in Education, 1999) and in the new edition of *Standards for Educational and Psychological Testing* (American Educational Research Association, American Psychological Association, National Council on Measurement in Education, 2014).

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Chapter 1. INTRODUCTION

1.1 Background

Title I and Title III of the federal *No Child Left Behind* (NCLB) reauthorization of the Elementary and Secondary Education Act in 2001 require annual assessment of the English proficiency of limited English proficient students. NCLB requires demonstrated annual improvement and adequate yearly progress for these students in order for them to develop English proficiency and meet challenging State academic content standards. Arizona state law (ARS 15-756) requires the identification of English language learner (ELL) students through the administration of English language proficiency assessments to students with a primary or home language other than English (PHLOTE). Additionally, state law (ARS-756.05) requires the annual reassessment of ELL students.

1.2 Purpose and Uses

The Arizona English Language Learner Assessment (AZELLA) is the Arizona English language proficiency test used to identify English Language Learner (ELL) students. The AZELLA is used to meet state and federal assessment requirements and tests the 2011 Arizona English Language Proficiency Standards (ELPS). The test provides information regarding the student's English language proficiency. Upon first enrollment in an Arizona school, if any of the three questions on the Primary Home Language Other than English (PHLOTE) Home Language Survey form or the school enrollment form are answered with any language other than English, the student is identified as a PHLOTE. The three questions are as follows:

1. What is the primary language used in the home regardless of the language spoken by the student?
2. What is the language most often spoken by the student?
3. What is the language that the student first acquired?

PHLOTE students are administered the AZELLA for initial identification and placement. If the students test proficient in English, they are classified as Initial Fluent English Proficient (IFEP) students. Otherwise, they are classified as eligible for ELL services. Teachers use the AZELLA student results and ongoing classroom assessments in order to make instructional decisions that differentiate instruction and develop student readiness for instruction in mainstream classrooms. The AZELLA is also used for annual reassessment of ELL students to measure progress and to exit them from ELL services once they score "Proficient." These students are then classified as Fluent English Proficient (FEP) students and placed into mainstream classes.

In order to comply with federal and state laws, the Arizona Department of Education (ADE) established statewide English language proficiency standards and developed a testing program around those standards. Following years of locally determined language proficiency testing, ADE adopted a single English language proficiency test, the *Stanford English Language Proficiency Test* (SELP), for statewide use in the 2004-2005 and 2005-2006 school years. SELP was modified to better align to the Arizona ELPS creating AZELLA Form AZ-1 and was used from the 2006-2007 school year through the 2008-2009 school year. AZELLA Form AZ-2 was equated to SELP and used in Arizona from the 2009-2010 school year through the 2011-2012 school year, and as a placement test for Stages II – V in the 2012-2013 school year. For the

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AZELLA Form AZ-1 and Form AZ-2, a single test form per Stage was used both for placement testing and for annual reassessment for ELL students.

In 2011, Arizona revised the performance indicators of the ELPS, to ensure that English language learners would have the linguistic foundations for academic English that is needed to meet the language demands and complexity required in Arizona's College and Career Ready Standards – English Language Arts/Literacy (AZ CCRS-ELA). The modifications of the ELPS necessitated a parallel revision of the AZELLA. Consistent with the prior Standards and tests, both the revised ELPS and the revised AZELLA were developed to address five grade spans; Stage I for Kindergarten, Stage II for Grades 1 and 2, Stage III for Grades 3, 4, and 5, Stage IV for Grades 6, 7, and 8, and Stage V for high school. The revised AZELLA was designed to test the increased language demands created by the rigor of the ELPS and the AZ CCRS-ELA. The revised AZELLA was developed in accordance to the *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 1999) and meets the requirements set forth in federal and state law.

Under the previous assessment system using AZELLA forms AZ-1 and AZ-2, the Stage I form was used for both Kindergarten placement and the spring reassessment. A new component of the revised AZELLA assessment system is a separate Kindergarten Placement Test (KPT). The new KPT is better aligned to the assessment needs of incoming Kindergarten students than the end of year Stage I test.

Currently, the Kindergarten Placement Test is used for the assessment of incoming Kindergarten students to determine ELL service need. A non-parallel Stage I test is then used to reassess Kindergarten ELL students during spring. For the other stages, two parallel and equated AZELLA forms per stage were created and operationalized during the 2012-2013 school year. One of these forms was chosen to be used as the placement assessment for new PHLOTE students throughout the year, and the other was refreshed annually for use as the spring reassessment.

AZELLA Stage tests are designed to assess students at all skill progression levels within the assigned grade span. This vertical development of the language assessed allows the test to discriminate relatively finely among students at different levels of language acquisition. AZELLA results provide students, teachers, and parents with an objective report of students' English language skills in listening, speaking, reading, and writing. AZELLA results determine whether schools are helping students to make adequate progress toward English language proficiency and the amount of year-to-year progress students make in language proficiency for federal and state accountability.

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Chapter 2. INVOLVEMENT OF ARIZONA EDUCATORS AT ALL LEVELS

Chapter 2 of the technical report addresses the involvement of Arizona educators in test development. This part of the technical report addresses Standard 3.5 of the *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 1999) and Standard 4.6 in the new edition of *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 2014).

While no new committees were held in preparation of the 2014 Spring AZELLA Reassessments, prior to fiscal year 2014 several committees were involved in the development of the new AZELLA. These committees included teachers, curriculum specialists, administrators, and policy makers from across the state.

The committee meetings included:

- ADE Staff facilitated a meeting of the ELP Advisory Committee on April 7 and 8, 2011 to review the English Language Proficiency Standards in order to determine which performance indicators would be assessable on the new AZELLA tests.
- A committee of ELL educators met from June 29 to July 1, 2011 to review item specifications. The final versions of these specifications are presented within the AZELLA Field Test Technical Report (Arizona Department of Education, 2013c) available at http://www.azed.gov/assessment/files/2014/05/azella_ft_tech_report_2013_final_0214.pdf.
- A committee of educators met on July 11 to 15, 2011 to review reading passages and write test items.
- Item content and bias review meetings were held on August 27, 2011 for Stages I through V, and on January 12, 2012 for the Kindergarten Placement Test.
- Data review meetings in which educators reviewed item field test statistics and identified item eligible for inclusion on the AZELLA tests were held on March 15 and 16, 2012 and on June 28, 2012.
- Standard setting meeting July 11 and 12, 2012 in which educators set performance standards on the Kindergarten Placement Test.
- May Standard Setting Meeting, conducted in May 2013, in which educators were gathered to set performance standards for the Stages I through V tests.
- June Standard Setting Meeting, conducted in June 2013, in which educators reviewed the performance standards for the Stages I through V tests set in the May standard setting meeting after impact data on Arizona's Instrument to Measure Standards (AIMS) was available.

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Chapter 3. TEST DESIGN

Chapter 3 of the technical report provides information regarding test design. The following 1999 AERA/APA/NCME standards (AERA, APA, NCME, 1999) are addressed: 1.2, 1.6, 3.1, 3.2, 3.3, 3.11, 6.4, 6.15, 13.3, and 13.5. The 2014 AERA/APA/NCME standards (AERA, APA, NCME, 2014) addressed by this part of the technical report are 1.1, 1.11, 4.0, 4.1, 4.2, 4.12, 7.0, 7.2, 12.4, and 12.8.

3.1 Content Standards

In 2011, the Arizona Department of Education (ADE) adopted a new version of the Arizona ELPS. These standards are designed to provide students with the prerequisite language skills necessary to access content and instruction in academic classrooms. The 2011 ELPS reflect a purposeful overlap with the language skills of the Arizona College and Career Ready Standards (ACCRS), and they also reflect an increase in rigor, consistent with the ACCRS, when compared to the previous version of the standards.

The ELPS are organized by strand, specifically Listening and Speaking, Reading, Writing, and Language, which includes English Conventions and Vocabulary. The standards are presented by stage and domain and performance indicators for each standard and each skill progression level. The Stages are as follows: Stage I (kindergarten), Stage II (Grades 1 and 2), Stage III (Grades 3, 4, and 5), Stage IV (Grades 6, 7, and 8), and Stage V (high school). The skill progression levels are Pre-Emergent, Emergent, Basic, Low Intermediate, and High Intermediate. The complete set of standards can be accessed at http://www.azed.gov/english-language-learners/elps/.

With the revision of the ELPS, it was necessary to revise the Arizona English Language Learner Assessment (AZELLA) to reflect the content and expectations of the new standards. To support this effort, WestEd content and test development project management staff collaborated with ADE staff to develop item specifications and blueprints to guide the item and test development process for each of the stages.

3.2 Item Specifications

Beginning in May 2011, as the first step in the development of item specifications, WestEd undertook a comprehensive and systematic evaluation of the Arizona English Language Proficiency (ELP) Standards in order to determine which of those instructional standards were considered assessable for the new AZELLA. In particular, WestEd sought to identify ELPS that could be operationalized through item specifications to guide development of K-12 assessments to measure proficiency across the four primary domains of Listening, Speaking, Reading, and Writing. The determination of assessment content was based on an iterative judgment-based process involving ADE staff, the Arizona ELP Advisory Committee, and WestEd staff. The steps involved with the development of the item specifications as well as the final version of the item specifications for AZELLA are contained within the AZELLA Field Test Technical Report (Arizona Department of Education, 2013c). The item specifications were updated further following the results of the field test to reflect the subsequent decisions about assessable content and to ensure consistency with the format and content of the items as they appeared on the final forms.

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3.3 Test Blueprint

The Test Blueprint, in concert with the Item Specifications, defines the content and structure of the test. The blueprint defines the standards to be assessed for each test form, the number of items per standard, the number of item types, the number of points per item type, and the total number of items and points per test form. Inherent in the number of points per test is the relative weighting associated with the standards and, in the case of AZELLA, the domains being assessed. For this test, it was particularly important to consider the relative weight of reading and writing versus speaking and listening across the stages. This point will be addressed more fully below.

The development of the test blueprint was done in parallel with the item specifications. Once WestEd content and assessment staff identified the assessable content, the initial test blueprints were drafted based on the number of PIs determined to be appropriate for a statewide assessment. These determinations were based on the 2011 ELP Standards and the continued use of a primarily paper-and-pencil assessment. In addition, the ADE identified by stage, the target percentages for the domains that were to be considered in determining the test blueprints. These targets were based on the increasing importance of reading and writing to student success in the regular classroom. As a consequence, the relative percentage of the composite of reading and writing increases from 43% at Stage 1 to 60% at Stage V. The specific targets by stage are summarized below.

- For Stage I, at least 43% of the composite score will be composed of the reading and writing subdomain scores, with at least 20% of the composite score composed of the reading score.
- For Stage II, at least 52% of the composite score shall be composed of the reading and writing subdomain scores, with at least 25% of the composite score composed of the reading score.
- For Stage III, at least 55% of the composite score shall be composed of the reading and writing subdomain scores, with at least 28% of the composite score composed of the reading score.
- For Stage IV, at least 60% of the composite score shall be composed of the reading and writing subdomain scores, with at least 30% of the composite score composed of the reading score.
- For Stage V, at least 60% of the composite score shall be composed of the reading and writing subdomain scores, with at least 29% of the composite score composed of the reading score.

An iterative process was enacted for both the development of the Item Specifications and the development and review of the Test Blueprint. WestEd's content and development staff drafted an initial blueprint for each stage based on the criteria outlined above. These draft blueprints were submitted to ADE for review. Adjustments were made as requested, and then the drafts were submitted to the ELP advisory committee for its consideration. Following the approval of the ELP Advisory Committee, the item development targets for the item writing workshops could be developed.

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As with the Item Specifications, the Test Blueprint continued to be revised over time reflecting information gained from item performance and scoring of the pilot items. Table 3.1 below summarizes the percentages by stage and domain.

Table 3.1: AZELLA Blueprint

Domain/Standard	Kindergarten Placement	Stage I	Stage II	Stage III	Stage IV	Stage V
Reading	**17%**	**28%**	**34%**	**32%**	**33%**	**33%**
Print Concepts/Phonemic Awareness/Decoding	43%	50%	44%	35%	25%	21%
Comprehension	57%	50%	56%	65%	75%	79%
Writing	**5%**	**28%**	**26%**	**32%**	**33%**	**33%**
Applications	0%	33%	32%	39%	36%	36%
Conventions	0%	67%	68%	62%	50%	39%
Process/Elements/Research	100%	0%	0%	0%	14%	26%
Listening	**31%**	**22%**	**19%**	**17%**	**16%**	**16%**
Comprehension	100%	100%	100%	100%	100%	100%
Speaking	**48%**	**22%**	**21%**	**19%**	**18%**	**18%**
Delivery	50%	71%	88%	88%	88%	88%
Repeats	50%	29%	13%	13%	13%	13%

3.4 Description of AZELLA Tests

The test blueprints were used with the processes described in detail in Chapter 4 to develop the Kindergarten Placement Test and Stages I through V tests. The resulting test configurations are as follows.

3.4.1 Kindergarten Placement Test

The Kindergarten Placement Test consisted of 38 items that were locally scored by certified test administrators. The raw scores ranged from 0-42, and scale scores were designed to range from 100 to 300.

3.4.2 Stages I through V Assessments

Stages I through V tests consisted of 49 to 70 items from four domains (Listening, Speaking, Reading, and Writing), depending on the stage. The ranges of raw scores and scale scores for Total Combined are summarized by stage in Table 3.2. Note that scores for non-speaking items on Stages II through V were weighted twice as much as those for speaking items to meet the weight of each domain in the blueprints.

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Table 3.2: AZELLA Assessment Total Combined Score Range by Stage

Stage	Raw Score Range	Scale Score Range
I	0-64	2000-3000
II	0-148	2000-3000
III	0-164	2000-3000
IV	0-172	2000-3000
V	0-172	2000-3000

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Chapter 4. TEST CONSTRUCTION

This part of the technical report addresses Standards 1.6, 3.1, 3.5, 3.6, 3.7, 3.9, 3.11, 3.16, 6.4, 6.15, 7.3, 7.4, 7.7, 13.3, and 13.5 of the *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 1999) and Standards 1.11, 3.2, 3.6, 4.0, 4.4, 4.6, 4.7, 4.8, 4.10, 4.12, 7.0, 7.2, 12.4, 12.8 in the new edition of *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 2014).

4.1 General Goals of Spring 2014 AZELLA Reassessment Test Construction

The primary goal of the Spring 2013 AZELLA test form construction was to develop two Spring 2013 AZELLA forms (Forms A and B) per stage. After analysis of the test administration data, Form A would serve as the foundation for the Spring 2014 Reassessments, and Form B would serve as the foundation for the Placement Tests at each stage.

The Spring 2014 test development and review process generally followed the same process as the Spring 2013 tests once the forms designation was determined. However, there were some differences in the development of the Spring 2014 Reassessment when compared to the 2013 version.

4.2 Test Form Construction Guidelines

At Stage I, the items on the Speaking test that were previously in field test positions were removed for the Spring 2014 Reassessment, and the overall test length was reduced. For the Student Test Book, the same changes were made.

At Stages II through V, it was determined that, for the Speaking Test Book, no changes would be made to the selection of items on the forms (i.e., those items that had appeared for vertical scaling purposes in Spring 2013 Form A would remain). For the Student Test Books, the vertical scaling items on the Spring 2013 Form A would be replaced, one-for-one with embedded field test items. The location of the field test items could change, as long as the test form construction guidelines outlined below were met:

- Each vertical scaling item must be replaced one-for-one with a field test item.
- Any operational item may move positions to accommodate a better field-test position, but must remain within two positions of its Spring 2013 Form A location.
- Operational items must remain in the same sequence as on the Spring 2013 Form A test.
- Within each domain, items grouped on the Spring 2013 forms (e.g., paired Listening items, passage-based Reading items) must remain grouped on the Spring 2014 Reassessment test.

4.3 Item Selection Criteria

The operational items for the Spring 2014 test were, one-for-one, those from the Spring 2013 Form A test. Therefore, the items inherently met the desired breakdown by domain, item type, content representation, difficulty, and discrimination.

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Field test items were selected based on an analysis of the existing item pool, performed by ADE. The analysis identified gaps that might be filled by newly field tested items. The primary restriction to what could be field tested was that they needed to be one-for-one replacements for the vertical scaling items of the Spring 2013 test.

4.4 Form Construction Process

ADE, Pearson, and WestEd worked collaboratively to construct the Spring 2014 AZELLA Reassessment test. The steps taken for the Spring 2014 Reassessment test construction are outlined below.

Step 1. Materials

The following materials were compiled by WestEd and Pearson and made available to ADE staff:

- Stage-specific test blueprints.
- Item cards, which included the wording and metadata for each item as well as item statistics and staff notes.
- Spring 2013 item level and test level statistics.
- Preliminary test maps.

WestEd provided preliminary Spring 2014 test maps to ADE as a starting place for test construction. The test map included the Spring 2013 Form A operational items, and also identified the prior year's vertical scaling positions by shading the associated row in gray. The gray shading indicated items that, according to the test construction guidelines, were replaceable with items that ADE intended to field-test. The location of these items had the potential of shifting in relation to the positions of the operational items, but consideration also needed to be given to the test form construction guidelines that Pearson provided (see Section 4.2 above).

Step 2. Item Positioning

ADE identified which item types it intended to field test on the Spring 2014 Reassessments. ADE had two available sources for potential field test items: items that were previously field tested but could be edited to address their initial performance and then re-field tested, and items that were previously developed but never field tested.

ADE then determined the specific locations where the field-test items should appear. ADE updated the test map based on their intent, and delivered the revised test map to WestEd. This allowed WestEd to begin the layout of the operational items before the finalization of the field test graphics and text.

WestEd and Pearson staff verified that the proposed operational positions followed the test construction guidelines. If there were any inquiries, WestEd and Pearson discussed and resolved them with ADE.

Step 3. Field Test Selection Hand Off

ADE finalized the content of the field test items, then provided them to WestEd and Pearson via item cards from the 2011 data review meeting. These item cards contained all associated

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metadata, intended positions on the tests, Test Administration Directions (TAD), and script language specific to items when appropriate.

Step 4. Field Test Verification

WestEd reviewed the newly embedded field-test items against the operational items for cueing or clanging, and resolved any inquiries directly with ADE. WestEd then verified, from a content perspective, that any modifications to items were aligned to item specifications. WestEd assigned item IDs to items and finalized test maps. Pearson verified that the item IDs conformed to established item ID numbering procedures.

WestEd returned revised test maps, including the field test selection and annotated item cards, to ADE and Pearson for review and approval.

4.5 Production and Review of Camera-Ready Spring 2014 AZELLA Reassessment Test Forms

Since there were no changes to anything except the covers, the Speaking Test Books for Stages II through V were updated first. ADE reviewed the forms, and the camera-ready copies were handed off to Pearson.

The Stage I Speaking Book and Student Test Book contained no new items, and thus, were updated and reviewed prior to the more aggressive schedule for Stages II-V and the Test Administration Directions.

Production then shifted to Stage II, III, IV, and V Student Test Books, with simultaneous review of the Test Administration directions.

The Student Test Book (Listening, Reading, and Writing), the Listening Scripts, and the Answer Documents went through three rounds of ADE reviews. For the Round 1 review, WestEd provided the forms to ADE in PDF format, laid out as the student would see the items presented. ADE then reviewed the documents and returned marked-up pages to WestEd with a summary of changes. For the Round 2 review, WestEd implemented all changes and repeated the process. The Listening Scripts were handed off to the audio vendor before Round 2. After Round 2, the camera-ready answer documents at Stages III, IV, and V were handed off to Pearson.

Once the Student Test Books completed their three rounds of reviews, the Test Administration Directions for each stage received multiple additional rounds of review and change implementation.

Once each document received final approval from ADE, the camera-ready files were produced by WestEd and uploaded to Pearson for printing and distribution.

4.6 Development and Review of Test Maps

Test maps for each stage were maintained throughout all steps of production. The test maps were updated when any replacements or changes to items or item metadata were made. Once ADE approved the camera-ready files, the test maps for the approved tests were uploaded to Pearson.

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Chapter 5. TEST ADMINISTRATION

This section describes how the AZELLA Kindergarten Placement Test and the AZELLA Placement Test for the 2013-2014 school year and the Spring 2014 AZELLA Reassessment were administered. It describes the administration procedures used to ensure that the test administrations were completed in a secure and standardized manner. It also describes how the test administration for speaking was different from other domains. The following 1999 AERA/APA/NCME standards (AERA, APA, NCME, 1999) are addressed: 1.13, 3.3, 3.19, 3.20, 3.21, 3.24, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 6.11, 6.15, 9.1, 10.1, and 10.2. The 2014 AERA/APA/NCME standards (AERA, APA, NCME, 2014) addressed by this part of the technical report are 1.10, 3.1, 3.9, 3.10, 4.2, 4.5, 4.15, 4.16, 4.21, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 7.0, 7.8.

5.1 Accommodation

There were a number of test accommodations that were available for students who took the AZELLA Placement Test and the Spring 2014 AZELLA Reassessment. A list of accommodations that were available or unavailable for the administration is presented by domain (L: Listening; R: Reading; S: Speaking; W: Writing) in Table 5.1.

Table 5.1: Test Accommodations

Accommodation	Acceptable	Not Acceptable or Not Applicable
Allow frequent breaks	L, R, W	S
Allow the Test Administrator to read the prompts aloud, at student request	W	L, R, S
Allow a scribe to assist in bubbling answers for multiple choice items	L, R, W	S
Allow the use of assistive technology for the extended writing prompt response with spell check, grammar check, and word prediction functions turned off	W	L, R, S
Allow the enlargement of test material	L, R, W, S	
Allow the test to be administered over multiple days	L, R, W	S

The translation of the test by the test administrator into another language is not allowed. The use of dictionaries, word lists, or glossaries was not allowed in the administration of the AZELLA. Accommodations routinely provided to students during classroom instruction or for classroom assessments based on an IEP or 504 Plan not listed above must be approved by ADE prior to their use during AZELLA administration.

5.2 Test Security

It is the responsibility of the AZELLA District Test Coordinator to provide for the training of Test Administrators and Proctors in test security procedures and proper test administration. The AZELLA Test Coordinator must monitor testing activities and ensure that protocols are being

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followed. Test materials should be secured prior to and at the ending of all testing sessions. It is unethical and shall be viewed as a violation of test security for any person to:

- Disclose or allow to be disclosed the content of any portion of the test before, during, or after test administration.
- Discuss any test item before, during, or after test administration.
- Allow students access to test questions or writing prompts prior to testing.
- Allow students to share information during the test administration.
- Read any parts of the test to students except as indicated in the test administration directions.
- Influence students' answers.
- Change students' answer choices.
- Read or review students' answers.
- Photocopy, transcribe, or in any way duplicate any part of the test books.
- Participate in, direct, aid, counsel, assist in, encourage, or fail to report any violations of these test administration security procedures.
- Test Administrators and Proctors may not assist students in their responses to test questions. Test Administrators and Proctors may not translate, reword, or explain any test questions or any answer choices. No test question/item may be discussed before, during, or after test administration. Refer to "Test Preparation and Administration Practices" on the Arizona Department of Education Web site at www.azed.gov.

To ensure the security of AZELLA, Test Administrators and Proctors must sign a copy of the AZELLA Test Security Agreement obtained from the Test Coordinator or found on the Arizona Department of Education Web site at www.azed.gov.

5.3 Test Administration

5.3.1 Kindergarten Placement Test Administration and Scorer Training

Test Administrators are required to complete the Kindergarten Placement Test Training on Pearson Perspective before the district is allowed to order test materials. The Kindergarten Placement Test Training provides instruction on test administration and scoring.
The scoring portion of the training is in three parts: Training Set, Practice Set, and Qualification Set. The Training Set offers sample student responses at each score point for each item of the Kindergarten Placement Test. The Practice Set allows the user to listen to and score responses for each item on the test. The Practice Set items are annotated to provide additional instruction on applying the scoring rubric. The Qualification Sets are the last step in the training. There are two Qualification Sets available to the users. To qualify for a KPT Test Administrator Qualification Number, the candidate must correctly score 37 two-point items, and must have a matching or adjacent score for Item 38, a 0-3 point item on one of the two Qualification Sets.

The AZELLA Kindergarten Placement Test requires a one-on-one test administration and can range from approximately 14 to 22 minutes per student. The following test materials are required to administer/score the test: Student and Test Administrator Test Book, Student Response Sheets, Laminated Activity Card, Erasable Marker, and Stickers (two types-for beginning and end of test).

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The Student and Test Administrator book is designed to stand up on a flat surface. One side should face the Test Administrator, and one side should face the student. Scoring for each item will be recorded as the Test Administrator reads an item and the student gives a response. The score point and rubric for each item are on the student response sheet. The Test Administrator records scores for student responses on the student response sheet. The District Test Coordinator, or their delegate, key enters student scores on the Placement Scoring application to obtain the student's Overall Proficiency Level.

5.3.2 AZELLA Placement Test Stages II through V Training and Administration

The AZELLA Placement Test Stages II-V Training provides instruction on scoring the Writing portion of the AZELLA Placement Test. The training is stage-specific and users only qualify on the applicable stage(s). The Writing scoring training is in three parts: Training Set, Practice Set, and Qualification Set. The Training Set offers sample student responses at each score point for each open-ended Writing item for each stage of the AZELLA Placement Test Stages II - V. The Practice Set allows the user to read and score Writing responses for each open-ended Writing item on the test. The Practice Set items are annotated to provide additional instruction on applying the scoring rubric. The Qualification Sets are the last step in the training. There are two Qualification Sets available to the users. To be considered qualified to score Writing responses, users must correctly score 20 papers. Although correctly matching the established scores for all 20 papers is preferable, the user is allowed up to 3 papers with scores that are adjacent to the established scores to receive qualification status.

In addition to the Writing Scorer Training, mandatory district test coordinator training was provided by the ADE and Pearson. After participating in the state mandated training, test coordinators provided training to all school test coordinators who then trained the test administrators. Training covered topics such as test security and test administration procedures.

To promote a standardized AZELLA test administration, the domains were administered in a prescribed order. The order of administration for AZELLA Placement Test Stages II-V was Listening, Reading, Writing, and Speaking.

Test administrators were instructed to administer the AZELLA Placement Test in one or two days. Each domain was considered a testing session. In a two-day administration, Sessions 1 (Listening), 2 (Reading), and 3 (Writing) were administered on the first day, and Session 4 (Speaking) was administered on the second day. Because the Speaking session was administered individually, students did not all complete the Speaking session on the same day.

The Listening domain required the use of an audio CD and CD player. The Speaking domain required the use of a computer or video player for the demonstration video and also required a land-line speaker-telephone.

The following test materials summarized in Table 5.3 were provided for the AZELLA Placement Test Stages II-V test administration:

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Table 5.2: AZELLA Placement Test Stages II-V Test Materials

Stage	Combined Student and Speaking Test Book	Answer Document	Listening CD	Test Administrators Directions
Stage II	X	N/A	X	X
Stage III	X	X	X	X
Stage IV	X	X	X	X
Stage V	X	X	X	X

Student responses are captured in the Student Test Book for Stage II and on Answer Documents for Stages III-V. The District Test Coordinator, or their delegate, key enters student responses on the Placement Scoring application to obtain the student's Overall Proficiency Level.

5.3.3 Spring Test Administration

To promote a standardized AZELLA test administration, the domains were administered in a prescribed order. The order of administration for Stages I-V was Listening, Reading, Writing, and Speaking.

Test administrators were instructed to administer AZELLA in one or two days. Each domain was considered a testing session. In a two-day administration, Sessions 1 (Listening), 2 (Reading), and 3 (Writing) were administered on the first day and Session 4 (Speaking) was administered on the second day. Because the Speaking session was administered individually, students did not all complete the Speaking session on the same day.

The Listening domain required the use of an audio CD and CD player. The Speaking domain required the use of a computer or video player for the demonstration video and also required a land-line speaker-telephone.

Mandatory district test coordinator training was provided by the ADE and Pearson. After participating in the state mandated training, test coordinators provided training to all school test coordinators who then trained the test administrators. Training covered topics such as test security and test administration procedures.

The following test materials summarized in Table 5.3 were provided for AZELLA Spring 2014 AZELLA test administration:

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Table 5.3: Test Materials

Stage	Test Book	Answer Document	Listening CD	Test Administrators Directions	Speaking Test Book
Stage I	X	N/A	X	X	X
Stage II	X	N/A	X	X	X
Stage III	X	X	X	X	X
Stage IV	X	X	X	X	X
Stage V	X	X	X	X	X

The AZELLA *Test Administration Directions* (TADs) were provided to all test administrators. The TAD included scripted directions to guide test administrators and students through the test administration in a secure and standardized manner.

The Listening domain required the use of an audio CD and CD player. The Listening CDs delivered directions, samples, and test items for the Listening domain. The students responded to multiple choice questions in their student test book (Stages I and II) or answer document (Stages III-V).

The Reading and Writing domains were delivered by the test administrator using scripted directions provided in the TAD. The Writing items included multiple choice and open-ended items and the Reading items were multiple choice only. Student responses were captured via the consumable student test book (Stages I-II) or the answer document (Stages III-V).
The Stages I-V AZELLA Speaking test was delivered via speaker telephone using Pearson Knowledge Technologies' (Pearson KT) Versant platform. Test administrators entered a unique Speaking test lithocode using the telephone key pad to call up the assigned form for each student. Student responses were captured electronically via the speaker telephone and transmitted back to Pearson for scoring. Stimuli related to the item prompts were included in the Speaking Test Book.

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Chapter 6. SCORING OF OPEN-ENDED ITEMS

The AZELLA assessments contain Writing items that prompt students to write a short answer or extended response (i.e., an essay) and Speaking items that prompt students to orally generate a short answer. Such items are called open-ended items. This chapter describes the procedures used by the Pearson Performance Scoring Center to score the Writing and Speaking items and the procedures use by Pearson Knowledge Technologies for automated scoring of the Speaking items for the Stages I though V tests. All open-ended items in the Kindergarten Placement Test are scored by the test administrator during testing. This part of the technical report addresses Standards 2.10, 3.22, 3.23, and 5.9 of the *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 1999) and Standards 2.7, 4.18, 4.19, 4.20, 6.8, and 6.9 in the new edition of *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 2014).

6.1 Human Scoring of Writing and Speaking Items

The open-ended items are scored by professionally trained scorers. The procedure for scoring these types of items used by the Pearson Performance Scoring Center (PSC) is described in this section.

6.1.1 Scoring Process

Outlined below is the scoring process that the AZELLA testing contractor follows. For the Spring 2014 AZELLA tests, both AZELLA writing and speaking items were scored at a regional site. This procedure was used to score all open-ended items for the Spring 2014 AZELLA assessments.

6.1.2 Recruiting and Training Scorers

Highly qualified scorers are essential to achieving and maintaining a high degree of reliability in scoring students' responses. Thus, the careful selection of professional scorers to evaluate student responses to the open-ended items is critical in scoring the AZELLA assessments. Scorers are recruited by the Pearson Human Resources department and must have extensive experience scoring this type of writing and speaking on previous projects. Scorers must also have performed well based on internal quality metrics of interrater reliability and validity to have achieved a high enough performance rating on previous writing and speaking type responses to be recruited for the AZELLA assessment. Included in the scorer pool is a core group of veteran scorers with experience in working on other ELL projects whose insight, flexibility, and dedication have been demonstrated while working on a range of performance assessments.

Scoring supervisors are chosen from the pool of scorers based on demonstrated expertise in all facets of the scoring process, including strong organizational abilities and training skills. Individuals chosen to perform these assignments possess practical skills, leadership abilities, and sensitivity to interpersonal communication requirements. Supervisors also possess the essential capability of assimilating and helping scorers understand the particular scoring requirements of the AZELLA.

Upon being hired, scorers sign a confidentiality agreement in which they pledge to keep all information and student responses confidential. Scorers and scoring supervisors are trained to

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thoroughly learn the rubric and score responses according to the scoring guidelines developed for the AZELLA assessment.

At the beginning of each scoring project, all scoring supervisors and scorers assigned to the project must complete project-specific training consisting of a review of the rubric and prompts for the items being scored and a review of the anchor responses selected and approved by ADE for each prompt.

6.1.3 Training

Thorough training is vital to the successful completion of any scoring. PSC content specialists and scoring directors follow a series of prescribed steps to ensure training is consistent and of the highest quality. The PSC staff develops its training materials to facilitate learning through visual, auditory and kinesthetic channels. The training for AZELLA is conducted using online modules designed to take scorers through the background of the assessment and through the rubric and anchor sets for each item. Scorers are then required to take two sets of practice papers and two sets of qualification papers once they complete the item specific modules. The scorer must then pass 1 of the 2 qualification sets for that module in order to score the item or items associated with that module. Once the scorer completes the item specific training and has qualified, the scorer is then allowed to score live responses for that item or set of items. There are different scoring rubrics for the different item types on the AZELLA.

Prior to scorer training, the PSC scoring directors designated for each subject and stage conduct supervisor training. A primary goal of this session is to ensure supervisors clearly understand the scoring rubrics and anchors for the stage they are assigned. This ensures all responses are scored in a manner consistent with the intentions of ADE. Scoring supervisors are then required to take two sets of practice papers and two sets of qualification papers once they complete the item specific modules. Supervisors must pass 1 of the 2 qualification sets for the items they are assigned in order to score on the project. Supervisors perform a key role in that they are the ones which provide continuous feedback to the scorers through the validity and calibration process and by monitoring the quality of the scorers assigned to them.

6.1.4 Quality Control

A variety of reports are produced throughout the scoring process to allow scoring supervisory staff to monitor the progress of the project, the reliability of scores assigned, and individual scorers' work. Those reports include:

- Daily and Cumulative Interrater Reliability Reports by Item and Scorer. These reports provide information about how many times scorers were in exact agreement or assigned adjacent scores. The reliability is computed and is monitored daily and cumulatively for the project.
- Daily and Cumulative Frequency Distributions. These reports show how many times each score point has been assigned to the item being scored by readers. The frequency distributions are produced both on a daily basis and cumulatively for the entire scoring project. This report allows scoring supervisors and scoring directors to see whether scorers have a tendency to score consistently high or low.

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The most immediate method of monitoring a scorer's performance is through backreading by scoring supervisors. If a scoring supervisor discovers that a scorer is consistently assigning scores other than those the scoring supervisor would assign, he or she can send a message to that scorer using the backreading function and through the instant messaging system in the ePEN scoring system.

With the help of the individual scorer reliability metrics and through backreading, the scoring staff can closely monitor each scorer's performance. Scorers are also monitored using the scorer exception process for validity and scoring rate. A scorer must meet and maintain the quality metrics established for AZELLA in the designated area in order to continue scoring the project. If a scorer fails to maintain the validity perfect agreement and perfect plus adjacent agreement percentage established in scorer exception, a scorer will received a targeted calibration set. This set will consist of 10 anchor type responses and is similar to a qualification set. If the scorer fails to pass the calibration set, they will be locked out of scoring and dismissed from the project. In addition, scorer exception can also be set for scoring rate; they may receive up to three warnings before being locked out of the ePEN system. The scoring staff will then determine if the scorer will be unlocked and allowed to continue scoring based on how they are performing according IRR and validity statistics.

Scorers who have low IRR or a lower or higher than desired scoring rate are closely monitored in backreading and through reports. If in the opinion of the Scoring Director and Content Specialist, these scorers are still performing below acceptable standards after receiving sufficient feedback and given every reasonable opportunity to improve; they will be manually locked out of the system and notified by email that they are dismissed from the project.

6.1.5 Security

To ensure security is never compromised, the following safeguards are employed:

- No scorers are hired who reside in Arizona as per contract requirement.
- Scorers and scoring staff personnel must sign a non-disclosure and confidentiality form in which they agree not to use or divulge any information concerning the tests.

Any contact with the press is handled through ADE.

6.2 Automated Scoring of Speaking Items

This section describes how speaking items were scored. It includes information about what type of items were scored and how the scoring rubrics were developed. It also describes how the scoring engine was trained. It provides information about the reliability and validity of machine scoring.

6.2.1 Overview

A machine algorithm scores both the content (what was said) and the manner of the students' responses (how it was said). The machine scoring methods are based on algorithms and procedures from automatic speech recognition, speech processing, statistical modeling, linguistics, Latent Semantic Analysis, and machine learning. Pearson's patented technology uses a speech processing method that is built to handle different rhythms and varied pronunciations used by native English speakers and English learners. In addition to recognizing the words that

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were uttered, the system also aligns the speech signal, i.e., it locates the part of the signal containing relevant segments, syllables, and words to the hypothesized response. This allows the system to assign independent scores based on the content of what is said and on the manner in which it is said. Thus, the system is able to generate scores based on the words used in the spoken responses (the "content"), as well as the pace, fluency, and pronunciation of those words in phrases and sentences (the "manner"). Base measures are then derived from the linguistic units (segments, syllables, words), as analyzed by statistical models built from native and learner speaker performances.

Each AZELLA speaking item has one holistic score. Different features derived from speech were used to predict the final human holistic score. Oral Reading items, such as syllabification and wordlist, are separated from the calculation of the speaking domain score. The analysis for these Oral Reading items was conducted separately.

6.2.2 Acoustic models

An acoustic model was tailored to the AZELLA's younger population of test-takers. The model used for speech recognition was trained on all transcriptions we collected for the AZELLA project. The training set was enlarged by adding transcriptions from other junior English projects Pearson had conducted internally. The goal was to build a robust speech recognition model for young children's oral responses. The final model used approximately 360 hours of data.

For machine scoring purposes, a native acoustic model was also needed. At the time of the acoustic model training, the demographic information for test-takers was not available. Pearson hired human raters to classify Stage II test-takers into native vs. non-native groups by listening to their speech. There were 287 test-takers in Stage II identified as native. Transcriptions from these 287 subjects plus the native transcriptions Pearson used for building Versant Junior English tests were used to build a native acoustic model for the grading. It is important to note that this categorization of native vs. non-native was rough, due to the lack of available demographic information at the time of initial training. The acoustic model was enhanced by using the real demographic information before the operational testing started.

6.2.3 Content modeling

Non-repeat items

The content score component indicates how well the test-taker understood the prompt and could respond with appropriate linguistic content. For non-repeat items, a holistic score for each response was produced by using an adapted form of Latent Semantic Analysis. These responses are scored by scaling the weighted sum of the occurrence of a large set of expected words and word sequences that may be recognized in the spoken response. Weights are assigned to the expected words and word sequences according to their semantic relation to the good responses using a method similar to Latent Semantic Analysis.

Repeat items

For sentence repetition items, the recognized string produced by the augmented speech recognizer was compared to the word string in the prompt. The number of word errors was calculated as the minimum number of substitutions, deletions, and/or insertions required to find a best string match in the response. This matching algorithm ignores hesitations and filled or

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unfilled pauses, as well as any leading or trailing material in the response. A verbatim repetition would have zero word errors. For every repeat response, the percentage of words read correctly (percent correct) from automated speech recognition was then calculated as the Repeat Accuracy score.

Oral reading items

For Oral Reading items such as syllabification and wordlist-reading in Stage III and IV, there was a binary score (0, 1) based on the occurrence of the correct sequence of syllables or words. Stage II wordlist-reading items were 3-point items, for which the number of words that were read correctly were counted.

6.2.4 Manner modeling

6.2.4.1 Fluency

Phoneme level duration statistics help to predict test-takers' performance in fluency. It measures if test-takers produce the correct duration for different phonemes.

Duration statistics from native speakers were used to compute the log likelihood for durations of phonemes produced by test-takers. If enough samples for a phoneme in a specific word existed, a unique duration model was built for this phoneme in a given context. Special attention was paid to the pauses produced by candidates and a separate predictor was computed based on them. The duration statistics models used for this report were built from native data from the Versant Junior English Test. The native responses were run through speech recognition and accumulated duration data for every phoneme. The statistics of the phoneme durations of native responses were stored as non-parametric cumulative density functions (CDFs).

In developing the CDFs, when the duration probability for a phoneme produced by a new native speaker was computed, a check was performed to see if there was the specific CDF model with the corresponding word first. If a model for the word in context could not be found, the phoneme duration without context was used. Given a sequence of phonemes in a recognized response p_i , i = 1...N, and their corresponding durations D_i, the log likelihood segmental probability for phonemes (*log_seg_prob*) was computed as:

$$log_seg_prob = \frac{1}{n-2}\sum_{i=2}^{n-1}\log(\Pr(D_i))$$

where $\Pr(D_i)$ was the probability that a native would produce phoneme p_i with the observed duration D_i in the context found. The first and last phonemes in the response were not used for the calculation of the *log_seg_prob* because durations of these phonemes were unstable as measured by speech recognition.

The log likelihood segmental probability for inter-word silence durations, *iw_log_seg_prob*, was calculated the same way, i.e., given a sequence of inter-word silences s_i, i = 1...M, and their durations D_i:

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$$iw_log_seq_prob = \frac{1}{M}\sum_{i=1}^{M} log\big(Pr(D_i)\big)$$

where Pr(D_i) was the probability that a native would produce inter-word silence s_i with the observed duration D_i.

6.2.4.2 Pronunciation

Pronunciation was measured by computing spectral likelihood features. These features were based on native and non-native acoustic models built for segmental alignment. The utterance to the word string from the recognized sentence was force-aligned using the native acoustic model. Then the acoustic log likelihood, duration, and time boundaries for every phoneme was reviewed.

6.2.5 Final model for holistic scores

Features derived from content modeling can effectively define content scores based on what is spoken by test-takers. Features derived from manner modeling can effectively measure both the rhythmic and segmental aspects of the performance by comparing them to how likely it would be for the observed base physical measures to have been produced by native speakers. By combining these features together, a prediction with a relatively high level of accuracy was made concerning the human's holistic scores assigned by human raters. Then multiple linear regressions and other related models were used to obtain the results discussed in the following sections.

6.2.6 Validation Results

During the 2014 spring reassessment testing, Pearson delivered over 90,000 AZELLA speaking tests over telephones. Students' oral responses to the speaking section of AZELLA reassessment test were captured and scored by Pearson's automated scoring technology. Prior to the 2014 spring reassessment testing, Pearson and ADE had undergone re-calibration of the automated scoring system based on 2013 reassessment testing data. Satisfactory improvement and validity evidence was presented at that time. Further validity evidence based on 2014 reassessment testing data is warranted to establish the validity and the accuracy of the improved machine scoring. The present validation study was conducted to determine the comparability between machine scoring and human scoring. One hundred fifty tests were selected for each Stage and double-rated by professional human raters through Pearson Scoring Center (PSC). Pearson conducted an in-depth analysis on the performance of human raters and the machine-rating algorithm based on the candidate-level speaking scores. The goal of this summary is to present the results of these analyses.

6.2.6.1 Data Overview

A set of 150 calls were selected for each Stage and double-rated by human raters at PSC. In total, 750 students' tests were used for the validation analysis, as shown in Table 6.1. The number of speaking items included in the analysis for each Stage with available human and machine scores is shown in Table 6.2.

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Table 6.1: Total number of speaking tests included in the validation study

Stage	Total Tests
I	150
II	150
III	150
IV	150
V	150

Table 6.2: Total number of speaking items included in the validation analysis

Stage	Items with Machine Score	Items with Human Scores
I	1050	1050
II	1800	1800
III	1800	1800
IV	1650	1650
V	1350	1350

6.2.6.2 Reliability

Before score analysis, a check was made on the internal consistency of the test by computing the Cronbach α (Cronbach, 1951) for both human scores and machine scores. Table 6.3 is a summary of results for each Stage. The results show that the consistency of machine scoring (average 0.89) is very comparable to human scoring (average 0.90). Both machine scoring and human scoring methods are highly reliable.

Table 6.3: Cronbach alpha across Stages

Stage	Human Cronbach Alpha	Machine Cronbach Alpha
I	0.82	0.80
II	0.92	0.91
III	0.94	0.92
IV	0.92	0.90
V	0.92	0.90
Average	0.90	0.89

6.2.6.3 Candidate-Level Correlation

We calculated a candidate-level speaking domain score by aggregating item scores of all speaking items for each test-taker in the dataset. Since each test was double-rated by human graders, for each item there were two human scores and one machine score. In order to evaluate the performance of the machine scoring method, we computed the Pearson product-moment correlation between the two human scores to establish a human baseline measure. We then computed the correlation between the machine score and the average human score, on the assumption that the average of the two human scores is a more accurate reflection of a test-taker's ability.

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Table 6.4: Candidate-level human-human correlation and machine-human correlation

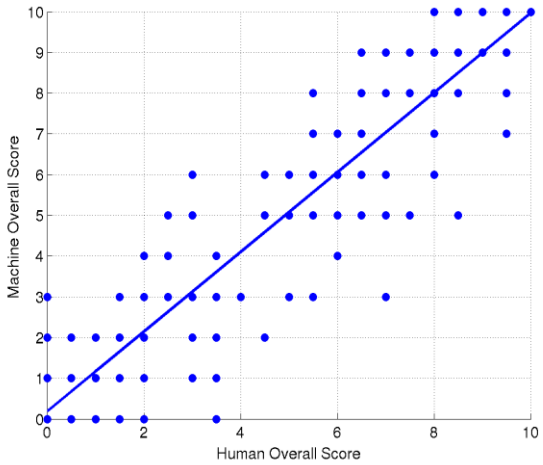
Stage	Human-Human Correlation	Machine-Human Correlation
I	0.95	0.91
II	0.98	0.94
III	0.98	0.94
IV	0.99	0.93
V	0.99	0.89
Average	0.98	0.92

As shown in Table 6.4, on average, the machine-human correlation across Stages is 0.92, which is comparable to human performance (0.98). The result suggests that machine generated scores are strongly correlated with human ratings. To help visualize this correlation, scatterplats for human and machine scores for each Stage are shown in Figure 6.1.

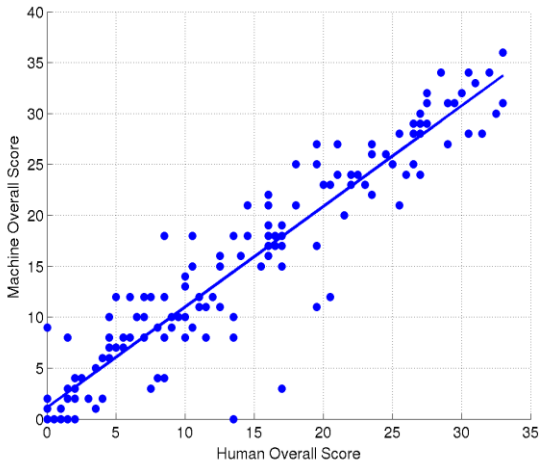
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Figure 6.1: Scatterplots for candidate-level human scores and machine scores for five Stages

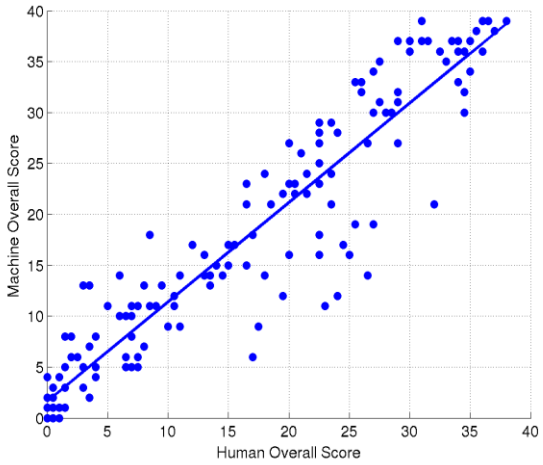
Stage I



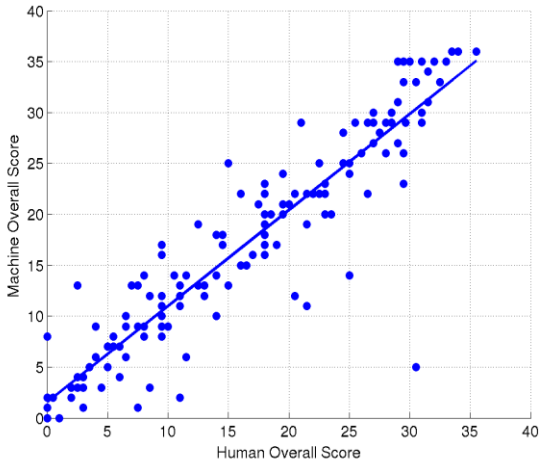
Stage II



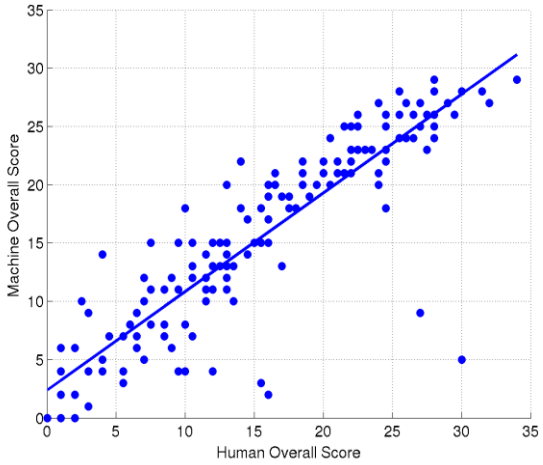
Stage III



Stage IV



Stage V



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The scatterplots in general present a good fit between human scores and machine scores. They demonstrate that the automated scoring algorithm can score the AZELLA spoken responses with a similar degree of accuracy to human raters. Although there are still outliers, the data suggest that the performance of the machine scoring method is in general comparable to the human rating approach. An analysis of the outliers was conducted in order to understand the cause of the discrepancy between human scores and machine scores of those tests. The examination revealed that the score discrepancy was largely due to audio issues in students' spoken responses. These audio issues include background noise, line noise and the extremely soft voice of some students' responses. The presence of these audio issues posed a great challenge for the automated scoring engine to correctly identify the content of those responses, which led to the score discrepancy. However, it is important to note that the outliers are very rare cases and the majority of the tests have comparable machine and human scores.

6.2.6.4 Summary

The reported validation analyses indicate that Pearson's automated scoring corresponds closely to human ratings in the AZELLA 2014 reassessment speaking test. Machine scoring is as reliable (Cronbach α =0.89) as human rating (Cronbach α =0.90). The average candidate-level machine-to-human correlation across Stages is 0.92, which is comparable to human performance (r=0.98). Machine scoring is consistently accurate across all Stages of AZELLA testing (all $r \geq$ 0.85). This evidence supports the validity of machine-generated scores for the AZELLA spoken responses. In conjunction with the results of 10% human ratings conducted by Pearson Scoring Center, this validation study suggests that automated scoring of 2014 AZELLA reassessment speaking section is accurate, reliable, and comparable to professional human grading.

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Chapter 7. CLASSICAL ITEM ANALYSIS

This chapter presents classical statistics for the data used for calibration, equating, and scaling for the Spring 2014 AZELLA Reassessment. Please refer to Appendix A for the classical statistics for the AZELLA Placement tests. Addressed in this part of the technical report are the following 1999 AERA/APA/NCME standards (AERA, APA, NCME, 1999): 1.5, 1.13, 2.4, 2.8, 3.18, 6.5, and 7.1. The 2014 AERA/APA/NCME standards (AERA, APA, NCME, 2014) addressed by this chapter are: 1.8, 1.10, 2.5, 2.19, 3.6, 4.14, and 7.4.

7.1 Data

The test window for the Spring 2014 AZELLA Reassessment was open between February 10, 2014 and March 28, 2014. The classical item analysis for the Spring 2014 AZELLA Reassessment was conducted based on the calibration samples, which were ELL students as described in Chapter 8. During the Spring 2014 AZELLA Reassessment, IFEP students at Stage I participated in the administration. Their classical item statistics are also presented in Section 7.3. Note that non-ELL students participated in the field test administrations in fall 2011 for Stages II through V and in spring 2012 for Stage I. This was done to compare the non-ELL students performance on items to that of the ELL students. The non-ELL students did not participate in the spring 2014 administration because they are not a part of the population of interest for the AZELLA, and testing them would place an undue burden on the schools. The demographic information concerning the students who are in the calibration sample for the Spring 2014 AZELLA Reassessment [e.g., ELL status, gender, Hispanic and ethnicity, special education (Special Ed.), home language, and free/reduced lunch (F/R Lunch or FRL) status] is summarized in Table 7.1. Note that the number of FRL students includes both ELL and FEP students.

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Table 7.1: Frequency of Students by Subgroups for the 2014 Spring Reassessments

		Stage I	Stage II	Stage III	Stage IV	Stage V
ALL		22089	28175	25338	10569	5265
ELL		10733	28175	25338	10569	5265
Gender	Male	5532	14918	14167	6225	3009
	Female	5190	13229	11142	4332	2245
Hispanic	Hispanic	9549	24641	21776	8609	3624
	Non-Hispanic	1184	3534	3562	1960	1641
Ethnicity	Asian	431	956	835	436	507
	American Indian or Alaskan Native	535	1985	2628	1262	453
	Black or African American	168	539	487	304	362
	Native Hawaiian or Other Pacific Islander	36	90	74	34	28
	Multiple Indication	32	155	184	60	23
	White	8859	23220	19959	7872	3459
Special Ed.	Special Ed.	726	2102	2598	1249	300
	Non-Special Ed.	10007	26073	22740	9320	4965
Home Language	American Indian	35	182	199	145	45
	English	806	3516	3401	1268	600
	Spanish	7062	17447	14918	5583	1947
FEP	IFEP	11356	0	0	0	0
F/R Lunch	FRL	18009	24185	21731	8879	4206
	Non-FRL	3577	3305	2714	1189	861

7.2 Descriptive Statistics by Test

Table 7.2 presents descriptive statistics on Total Combined raw scores for the Spring 2014 AZELLA Reassessments by stage and also by grade. The table shows the number of students included in the classical analysis (N), the maximum obtained raw score (Max RS), the mean raw score (Mean RS), the standard deviation of raw score (RS SD), the average *p*-value (P-value M), the average item-to-total correlation (Mean *rpb*). The item-to-total correlation is computed as a point biserial correlation for dichotomous items and as a Pearson product-moment correlation for polytomous items. The point biserial correlation reported is the correlation of the item and the Total Combined raw scores. The Pearson product-moment correlation reported is the correlation of the polytomous item and the Total Combined raw scores.

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Table 7.2: Classical Test Analysis Statistics for the Spring 2014 AZELLA Reassessments

Stage	Grade	N	Max RS Obtained	Mean RS	SD RS	Mean P-value	Mean rpb
I	Kindergarten	10733	64	39.50	10.28	0.64	0.37
II		28175	147	93.58	23.57	0.62	0.38
	1	14453	142	83.06	20.91	0.55	0.33
	2	13722	147	104.66	20.99	0.70	0.36
III		25338	160	100.63	23.80	0.60	0.36
	3	9542	156	91.28	21.70	0.53	0.32
	4	9111	160	103.73	23.10	0.62	0.36
	5	6685	158	109.76	22.94	0.66	0.36
IV		10569	166	97.29	23.31	0.56	0.33
	6	4449	157	94.50	21.97	0.54	0.32
	7	3865	162	99.49	23.60	0.57	0.34
	8	2255	166	99.02	24.79	0.57	0.35
V		5265	152	93.76	24.43	0.54	0.35
	9	1736	151	89.30	24.73	0.52	0.35
	10	1473	152	94.31	25.48	0.54	0.36
	11	1049	152	96.70	23.61	0.56	0.35
	12	1007	152	97.58	21.91	0.56	0.33

7.3 Classical Item Analysis

Classical item analysis was conducted for Stage I through V reassessments. Item statistics for the tests are presented in Table 7.3 through Table 7.22 . Note that operational items on the Stage I through V reassessments are reported in a sequence. The number of students (N-Count), P-value, point-biserial correlation between an item and Total Combined raw score (Pbis Total), point-biserial correlation between an item and its respective domain (Pbis Domain) for ELL students are summarized by domain in the tables. For the Stage I assessment, N-count and P-value for IFEP students are also reported as the FEP students participated in the spring 2014 administration. Note that the FEP students were not a part of calibration sample as described in Chapter 8.

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Table 7.3: Item-Level Statistics for Items in Reading on Stage I

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
15	MC	1	10733	0.806	0.327	0.369	11356	0.914
16	MC	1	10733	0.811	0.176	0.251	11356	0.864
17	MC	1	10733	0.829	0.412	0.432	11356	0.942
18	MC	1	10733	0.742	0.506	0.492	11356	0.883
19	MC	1	10733	0.820	0.428	0.410	11356	0.912
20	MC	1	10733	0.539	0.115	0.237	11356	0.645
21	MC	1	10733	0.669	0.311	0.385	11356	0.808
22	MC	1	10733	0.632	0.410	0.486	11356	0.796
23	MC	1	10733	0.620	0.381	0.466	11356	0.792
24	MC	1	10733	0.476	0.292	0.387	11356	0.633
25	MC	1	10733	0.566	0.400	0.481	11356	0.725
26	MC	1	10733	0.594	0.243	0.347	11356	0.673
27	MC	1	10733	0.615	0.264	0.358	11356	0.720
28	MC	1	10733	0.832	0.322	0.400	11356	0.934
29	MC	1	10733	0.569	0.266	0.375	11356	0.730
30	MC	1	10733	0.735	0.353	0.410	11356	0.869
31	MC	1	10733	0.628	0.419	0.478	11356	0.821
32	MC	1	10733	0.542	0.287	0.375	11356	0.694

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.4: Item-Level Statistics for Items in Writing on Stage I

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
33	SA2	2	10733	0.615	0.468	0.587	11356	0.716
34	SA2	2	10733	0.602	0.374	0.463	11356	0.643
35	SA2	2	10733	0.837	0.414	0.502	11356	0.890
36	SA2	2	10733	0.698	0.574	0.672	11356	0.839
37	SA2	2	10733	0.367	0.631	0.743	11356	0.529
38	SA1	1	10733	0.542	0.325	0.378	11356	0.639
39	SA1	1	10733	0.434	0.340	0.379	11356	0.568
40	SA3	3	10733	0.331	0.603	0.755	11356	0.452
41	SA3	3	10733	0.384	0.660	0.807	11356	0.580

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.5: Item-Level Statistics for Items in Listening on Stage I

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	10733	0.777	0.283	0.341	11356	0.884
2	MC	1	10733	0.747	0.334	0.405	11356	0.853
3	MC	1	10733	0.653	0.295	0.387	11356	0.830
4	MC	1	10733	0.774	0.319	0.417	11356	0.885
5	MC	1	10733	0.790	0.253	0.388	11356	0.888
6	MC	1	10733	0.581	0.410	0.530	11356	0.791
7	MC	1	10733	0.681	0.474	0.570	11356	0.880
8	MC	1	10733	0.542	0.246	0.363	11356	0.621
9	MC	1	10733	0.765	0.330	0.442	11356	0.861
10	MC	1	10733	0.766	0.389	0.494	11356	0.922
11	MC	1	10733	0.747	0.393	0.499	11356	0.864
12	MC	1	10733	0.630	0.392	0.494	11356	0.802
13	MC	1	10733	0.614	0.371	0.487	11356	0.768
14	MC	1	10733	0.540	0.295	0.386	11356	0.741

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.6: Item-Level Statistics for Items in Speaking on Stage I

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
42	SA1	1	10733	0.725	0.241	0.391	11356	0.800
43	SA1	1	10733	0.911	0.216	0.329	11356	0.952
44	SA1	1	10733	0.625	0.373	0.411	11356	0.772
45	SA1	1	10733	0.190	0.298	0.337	11356	0.384
46	SA2	2	10733	0.632	0.420	0.700	11356	0.831
47	SA2	2	10733	0.690	0.424	0.675	11356	0.845
48	SA2	2	10733	0.430	0.450	0.644	11356	0.635
49	SA4	4	10733	0.639	0.572	0.736	11356	0.807

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.7: Item-Level Statistics for Items in Reading on Stage II

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
15	MC	1	28175	0.761	0.314	0.328
16	MC	1	28175	0.762	0.484	0.492
17	MC	1	28175	0.795	0.356	0.359
18	MC	1	28175	0.547	0.395	0.412
19	MC	1	28175	0.710	0.199	0.233
20	MC	1	28175	0.759	0.494	0.504
21	MC	1	28175	0.659	0.420	0.456
22	MC	1	28175	0.626	0.320	0.351
23	MC	1	28175	0.468	0.373	0.411
24	MC	1	28175	0.594	0.410	0.436
25	MC	1	28175	0.596	0.448	0.495
26	MC	1	28175	0.593	0.400	0.450
27	MC	1	28175	0.502	0.388	0.437
28	MC	1	28175	0.582	0.266	0.323
29	MC	1	28175	0.320	0.255	0.316
30	MC	1	28175	0.543	0.429	0.479
31	MC	1	28175	0.533	0.418	0.476
32	MC	1	28175	0.528	0.220	0.269
33	MC	1	28175	0.456	0.348	0.400
34	MC	1	28175	0.607	0.469	0.510
50	SA1	1	28175	0.626	0.302	0.327
51	SA1	1	28175	0.526	0.327	0.347
52	SA3	3	28175	0.377	0.613	0.677

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.8: Item-Level Statistics for Items in Writing on Stage II

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
35	MC	1	28175	0.808	0.489	0.537
36	MC	1	28175	0.605	0.370	0.404
37	MC	1	28175	0.445	0.308	0.364
38	MC	1	28175	0.697	0.328	0.407
39	MC	1	28175	0.823	0.471	0.522
40	MC	1	28175	0.619	0.427	0.493
41	MC	1	28175	0.553	0.391	0.455
42	MC	1	28175	0.630	0.440	0.498
43	MC	1	28175	0.536	0.461	0.503
44	MC	1	28175	0.330	0.105	0.192
45	MC	1	28175	0.447	0.314	0.385
46	MC	1	28175	0.410	0.289	0.351
47	MC	1	28175	0.489	0.335	0.406
48	ER	3	28175	0.779	0.659	0.731
49	ER	3	28175	0.762	0.661	0.732

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.9: Item-Level Statistics for Items in Listening on Stage II

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
1	MC	1	28175	0.729	0.330	0.466
2	MC	1	28175	0.601	0.356	0.518
3	MC	1	28175	0.618	0.312	0.489
4	MC	1	28175	0.478	0.416	0.558
5	MC	1	28175	0.485	0.321	0.468
6	MC	1	28175	0.444	0.324	0.463
7	MC	1	28175	0.859	0.280	0.369
8	MC	1	28175	0.670	0.208	0.337
9	MC	1	28175	0.890	0.180	0.267
10	MC	1	28175	0.913	0.340	0.383
11	MC	1	28175	0.797	0.398	0.468
12	MC	1	28175	0.710	0.261	0.353
13	MC	1	28175	0.905	0.362	0.393
14	MC	1	28175	0.512	0.433	0.476

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.10: Item-Level Statistics for Items in Speaking on Stage II

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
53	SA4	4	28175	0.749	0.429	0.667
54	SA4	4	28175	0.861	0.426	0.663
55	SA4	4	28175	0.389	0.437	0.531
56	SA4	4	28175	0.622	0.421	0.708
57	SA4	4	28175	0.581	0.427	0.677
58	SA4	4	28175	0.707	0.396	0.667
59	SA4	4	28175	0.706	0.377	0.672
60	SA4	4	28175	0.852	0.536	0.621

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.11: Item-Level Statistics for Items in Reading on Stage III

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
15	MC	1	25338	0.854	0.306	0.299
16	MC	1	25338	0.354	0.271	0.308
17	MC	1	25338	0.667	0.316	0.347
18	MC	1	25338	0.562	0.428	0.450
19	MC	1	25338	0.805	0.496	0.475
20	MC	1	25338	0.489	0.326	0.383
21	MC	1	25338	0.905	0.374	0.366
22	MC	1	25338	0.378	0.101	0.184
23	MC	1	25338	0.562	0.308	0.363
24	MC	1	25338	0.476	0.414	0.464
25	MC	1	25338	0.759	0.458	0.478
26	MC	1	25338	0.662	0.496	0.518
27	MC	1	25338	0.642	0.459	0.499
28	MC	1	25338	0.617	0.431	0.492
29	MC	1	25338	0.195	0.121	0.183
30	MC	1	25338	0.429	0.362	0.438
31	MC	1	25338	0.412	0.314	0.383
32	MC	1	25338	0.361	0.275	0.334
33	MC	1	25338	0.563	0.428	0.472
34	MC	1	25338	0.339	0.292	0.376
35	MC	1	25338	0.321	0.225	0.310
36	MC	1	25338	0.310	0.186	0.255
37	MC	1	25338	0.355	0.171	0.236
56	SA1	1	25338	0.590	0.242	0.244
57	SA1	1	25338	0.378	0.375	0.410
58	SA1	1	25338	0.401	0.414	0.444

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.12: Item-Level Statistics for Items in Writing on Stage III

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
38	MC	1	25338	0.386	0.353	0.418
39	MC	1	25338	0.507	0.281	0.349
40	MC	1	25338	0.198	-0.006	0.049
41	MC	1	25338	0.509	0.361	0.435
42	MC	1	25338	0.488	0.319	0.398
43	MC	1	25338	0.517	0.352	0.423
44	MC	1	25338	0.767	0.397	0.448
45	MC	1	25338	0.816	0.498	0.556
46	MC	1	25338	0.626	0.503	0.547
47	MC	1	25338	0.571	0.309	0.387
48	MC	1	25338	0.814	0.416	0.482
49	MC	1	25338	0.622	0.410	0.482
50	MC	1	25338	0.702	0.354	0.426
51	MC	1	25338	0.653	0.451	0.505
52	MC	1	25338	0.596	0.401	0.462
53	MC	1	25338	0.671	0.464	0.531
54	ER	5	25338	0.557	0.680	0.707
55	ER	5	25338	0.563	0.612	0.654

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.13: Item-Level Statistics for Items in Listening on Stage III

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
1	MC	1	25338	0.765	0.276	0.357
2	MC	1	25338	0.727	0.296	0.389
3	MC	1	25338	0.636	0.371	0.436
4	MC	1	25338	0.670	0.306	0.417
5	MC	1	25338	0.832	0.351	0.434
6	MC	1	25338	0.288	0.213	0.327
7	MC	1	25338	0.750	0.366	0.457
8	MC	1	25338	0.593	0.349	0.460
9	MC	1	25338	0.668	0.221	0.369
10	MC	1	25338	0.570	0.416	0.493
11	MC	1	25338	0.614	0.326	0.435
12	MC	1	25338	0.702	0.322	0.433
13	MC	1	25338	0.590	0.423	0.508
14	MC	1	25338	0.526	0.272	0.397

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.14: Item-Level Statistics for Items in Speaking on Stage III

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
59	SA4	4	25338	0.669	0.500	0.628
60	SA4	4	25338	0.962	0.339	0.547
61	SA4	4	25338	0.774	0.507	0.641
62	SA4	4	25338	0.867	0.493	0.717
63	SA4	4	25338	0.840	0.465	0.696
64	SA4	4	25338	0.746	0.388	0.646
65	SA4	4	25338	0.769	0.424	0.704
66	SA4	4	25338	0.852	0.546	0.671

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.15: Item-Level Statistics for Items in Reading on Stage IV

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
15	MC	1	10569	0.906	0.369	0.344
16	MC	1	10569	0.610	0.308	0.337
17	MC	1	10569	0.850	0.460	0.421
18	MC	1	10569	0.843	0.419	0.387
19	MC	1	10569	0.911	0.472	0.404
20	MC	1	10569	0.402	0.298	0.360
21	MC	1	10569	0.632	0.397	0.445
22	MC	1	10569	0.627	0.457	0.490
23	MC	1	10569	0.381	0.229	0.312
24	MC	1	10569	0.768	0.504	0.506
25	MC	1	10569	0.413	0.296	0.369
26	MC	1	10569	0.517	0.324	0.382
27	MC	1	10569	0.307	0.253	0.337
28	MC	1	10569	0.242	0.209	0.289
29	MC	1	10569	0.475	0.260	0.350
30	MC	1	10569	0.563	0.401	0.458
31	MC	1	10569	0.339	0.279	0.352
32	MC	1	10569	0.619	0.431	0.494
33	MC	1	10569	0.381	0.227	0.289
34	MC	1	10569	0.361	0.156	0.230
35	MC	1	10569	0.432	0.274	0.347
36	MC	1	10569	0.334	0.173	0.287
37	MC	1	10569	0.549	0.369	0.405
38	MC	1	10569	0.171	-0.049	0.011
39	MC	1	10569	0.357	0.152	0.237
40	MC	1	10569	0.338	0.132	0.213
61	SA1	1	10569	0.318	0.300	0.317
62	SA1	1	10569	0.270	0.326	0.338

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.16: Item-Level Statistics for Items in Writing on Stage IV

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
41	MC	1	10569	0.680	0.303	0.361
42	MC	1	10569	0.324	0.139	0.203
43	MC	1	10569	0.498	0.192	0.263
44	MC	1	10569	0.639	0.325	0.394
45	MC	1	10569	0.469	0.381	0.446
46	MC	1	10569	0.381	0.235	0.301
47	MC	1	10569	0.451	0.271	0.307
48	MC	1	10569	0.407	0.262	0.324
49	MC	1	10569	0.412	0.316	0.382
50	MC	1	10569	0.776	0.417	0.480
51	MC	1	10569	0.703	0.438	0.488
52	MC	1	10569	0.617	0.429	0.488
53	MC	1	10569	0.611	0.336	0.424
54	MC	1	10569	0.376	0.217	0.285
55	MC	1	10569	0.570	0.324	0.390
56	MC	1	10569	0.674	0.415	0.482
57	MC	1	10569	0.401	0.225	0.292
58	MC	1	10569	0.353	0.287	0.327
59	ER	5	10569	0.485	0.647	0.675
60	ER	5	10569	0.477	0.666	0.699

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.17: Item-Level Statistics for Items in Listening on Stage IV

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
1	MC	1	10569	0.912	0.308	0.359
2	MC	1	10569	0.757	0.378	0.447
3	MC	1	10569	0.762	0.379	0.460
4	MC	1	10569	0.521	0.235	0.385
5	MC	1	10569	0.803	0.335	0.421
6	MC	1	10569	0.755	0.271	0.374
7	MC	1	10569	0.758	0.369	0.476
8	MC	1	10569	0.341	0.186	0.340
9	MC	1	10569	0.727	0.350	0.449
10	MC	1	10569	0.616	0.277	0.404
11	MC	1	10569	0.589	0.345	0.456
12	MC	1	10569	0.599	0.309	0.423
13	MC	1	10569	0.661	0.367	0.474
14	MC	1	10569	0.333	0.271	0.376

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.18: Item-Level Statistics for Items in Speaking on Stage IV

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
63	SA4	4	10569	0.856	0.406	0.609
64	SA4	4	10569	0.628	0.470	0.701
65	SA4	4	10569	0.838	0.492	0.694
66	SA4	4	10569	0.614	0.516	0.729
67	SA4	4	10569	0.780	0.487	0.781
68	SA4	4	10569	0.576	0.399	0.646
69	SA4	4	10569	0.695	0.493	0.777
70	SA4	4	10569	0.733	0.553	0.688

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.19: Item-Level Statistics for Items in Reading on Stage V

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
15	MC	1	5265	0.636	0.140	0.176
16	MC	1	5265	0.788	0.362	0.373
17	MC	1	5265	0.734	0.495	0.483
18	MC	1	5265	0.446	0.218	0.251
19	MC	1	5265	0.644	0.442	0.376
20	MC	1	5265	0.905	0.396	0.370
21	MC	1	5265	0.567	0.276	0.361
22	MC	1	5265	0.466	0.282	0.356
23	MC	1	5265	0.728	0.500	0.510
24	MC	1	5265	0.374	0.273	0.329
25	MC	1	5265	0.452	0.247	0.320
26	MC	1	5265	0.424	0.355	0.420
27	MC	1	5265	0.526	0.288	0.359
28	MC	1	5265	0.668	0.423	0.469
29	MC	1	5265	0.565	0.397	0.448
30	MC	1	5265	0.554	0.320	0.402
31	MC	1	5265	0.434	0.287	0.336
32	MC	1	5265	0.715	0.430	0.484
33	MC	1	5265	0.555	0.486	0.531
34	MC	1	5265	0.758	0.402	0.449
35	MC	1	5265	0.417	0.273	0.349
36	MC	1	5265	0.586	0.436	0.483
37	MC	1	5265	0.371	0.295	0.349
38	MC	1	5265	0.545	0.368	0.440
39	MC	1	5265	0.346	0.256	0.331
40	MC	1	5265	0.386	0.291	0.343
41	MC	1	5265	0.295	0.143	0.181
42	MC	1	5265	0.435	0.354	0.408

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.20: Item-Level Statistics for Items in Writing on Stage V

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
43	MC	1	5265	0.883	0.330	0.383
44	MC	1	5265	0.382	0.211	0.282
45	MC	1	5265	0.840	0.328	0.373
46	MC	1	5265	0.195	0.139	0.189
47	MC	1	5265	0.149	0.096	0.152
48	MC	1	5265	0.734	0.469	0.484
49	MC	1	5265	0.304	0.163	0.226
50	MC	1	5265	0.375	0.283	0.346
51	MC	1	5265	0.548	0.265	0.338
52	MC	1	5265	0.261	0.222	0.291
53	MC	1	5265	0.599	0.433	0.467
54	MC	1	5265	0.389	0.252	0.297
55	MC	1	5265	0.642	0.420	0.441
56	MC	1	5265	0.457	0.268	0.303
57	MC	1	5265	0.620	0.388	0.430
58	MC	1	5265	0.242	0.252	0.255
59	MC	1	5265	0.652	0.471	0.502
60	MC	1	5265	0.452	0.205	0.256
61	ER	5	5265	0.525	0.651	0.725
62	ER	5	5265	0.477	0.634	0.701

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.21: Item-Level Statistics for Items in Listening on Stage V

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
1	MC	1	5265	0.872	0.417	0.415
2	MC	1	5265	0.703	0.305	0.429
3	MC	1	5265	0.701	0.371	0.459
4	MC	1	5265	0.540	0.237	0.369
5	MC	1	5265	0.671	0.383	0.466
6	MC	1	5265	0.370	0.297	0.380
7	MC	1	5265	0.591	0.369	0.463
8	MC	1	5265	0.528	0.471	0.576
9	MC	1	5265	0.550	0.362	0.485
10	MC	1	5265	0.440	0.268	0.427
11	MC	1	5265	0.454	0.199	0.347
12	MC	1	5265	0.442	0.149	0.279
13	MC	1	5265	0.381	0.323	0.413
14	MC	1	5265	0.613	0.436	0.530

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.22: Item-Level Statistics for Items in Speaking on Stage V

Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain
63	SA4	4	5265	0.702	0.488	0.676
64	SA4	4	5265	0.618	0.495	0.720
65	SA4	4	5265	0.616	0.525	0.748
66	SA4	4	5265	0.656	0.506	0.744
67	SA4	4	5265	0.682	0.485	0.731
68	SA4	4	5265	0.402	0.500	0.715
69	SA4	4	5265	0.665	0.411	0.660
70	SA4	4	5265	0.645	0.628	0.790

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

In addition, a distractor analysis was conducted for multiple-choice items for the Stages I through V tests. The response distribution in percentage for an item across all possible choices (e.g., a correct option and distractors) as well as the percentage of students who omitted the items was calculated. Also, the point biserial correlation associated with each option was calculated. Typically, a negative point biserial correlation is sought for incorrect options (i.e., distractors) because less English proficient students should be more likely to choose an incorrect option. Note that there are three option items for Stages I and II, and four option items for Stages III, IV, and V. The statistics for the distractor analysis is summarized by stage and domain in Table 7.23 through Table 7.36.

Table 7.23: Distractor Analysis of Multiple Choice Items in Reading on Stage I

Item	Correct Option		Distractor 1		Distractor 2		% Omit
	%	PtBis	%	PtBis	%	PtBis	
15	80.62	0.37	9.67	-0.26	8.75	-0.21	0.96
16	81.07	0.25	3.72	-0.13	14.27	-0.17	0.94
17	82.91	0.43	11.79	-0.31	4.09	-0.23	1.21
18	74.25	0.49	5.66	-0.25	19.38	-0.37	0.72
19	81.98	0.41	10.37	-0.30	6.25	-0.19	1.40
20	53.87	0.24	15.57	-0.18	29.62	-0.09	0.94
21	66.87	0.39	13.65	-0.22	18.52	-0.24	0.96
22	63.21	0.49	15.63	-0.29	20.32	-0.29	0.84
23	61.98	0.47	16.41	-0.23	20.73	-0.31	0.89
24	47.64	0.39	26.68	-0.29	24.76	-0.12	0.92
25	56.62	0.48	27.08	-0.37	15.01	-0.16	1.29
26	59.41	0.35	28.43	-0.21	10.71	-0.18	1.45
27	61.51	0.36	9.89	-0.21	26.21	-0.19	2.39
28	83.16	0.40	10.24	-0.28	5.35	-0.22	1.25
29	56.94	0.38	9.39	-0.30	31.74	-0.18	1.93
30	73.46	0.41	19.12	-0.32	6.40	-0.18	1.02
31	62.83	0.48	14.27	-0.25	21.69	-0.30	1.20
32	54.20	0.38	32.51	-0.23	10.76	-0.19	2.53

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.24: Distractor Analysis of Multiple Choice Items in Listening on Stage I

Item	Correct Option		Distractor 1		Distractor 2		%
	%	PtBis	%	PtBis	%	PtBis	Omit
1	77.67	0.34	7.30	-0.24	13.44	-0.18	1.59
2	74.70	0.41	11.69	-0.26	12.09	-0.22	1.51
3	65.34	0.39	25.72	-0.24	7.32	-0.22	1.62
4	77.40	0.42	13.46	-0.28	8.00	-0.23	1.14
5	78.98	0.39	7.95	-0.26	11.65	-0.21	1.43
6	58.08	0.53	33.88	-0.40	6.66	-0.22	1.38
7	68.10	0.57	13.57	-0.40	16.85	-0.29	1.48
8	54.15	0.36	13.50	-0.35	31.04	-0.09	1.30
9	76.48	0.44	11.53	-0.32	10.92	-0.22	1.07
10	76.59	0.49	12.84	-0.39	9.48	-0.21	1.10
11	74.66	0.50	17.06	-0.34	7.07	-0.28	1.21
12	63.02	0.49	16.32	-0.32	19.54	-0.26	1.12
13	61.41	0.49	23.12	-0.36	14.37	-0.19	1.11
14	54.05	0.39	21.49	-0.23	23.28	-0.19	1.18

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.25: Distractor Analysis of Multiple Choice Items in Reading on Stage II

Item	Correct Option		Distractor 1		Distractor 2		%
	%	PtBis	%	PtBis	%	PtBis	Omit
15	76.13	0.33	12.89	-0.20	10.56	-0.23	0.42
16	76.19	0.49	13.25	-0.42	10.40	-0.21	0.16
17	79.49	0.36	17.70	-0.31	2.64	-0.15	0.17
18	54.72	0.41	17.42	-0.28	27.61	-0.22	0.26
19	71.03	0.23	10.17	-0.23	18.55	-0.09	0.24
20	75.90	0.50	12.69	-0.36	11.08	-0.30	0.33
21	65.89	0.46	15.95	-0.30	17.79	-0.27	0.36
22	62.60	0.35	25.24	-0.18	11.57	-0.27	0.59
23	46.79	0.41	25.91	-0.38	26.94	-0.08	0.35
24	59.42	0.44	15.96	-0.35	23.99	-0.19	0.63
25	59.57	0.50	18.02	-0.25	21.73	-0.34	0.69
26	59.35	0.45	20.09	-0.18	19.87	-0.35	0.70
27	50.24	0.44	22.75	-0.05	26.46	-0.43	0.55
28	58.22	0.32	13.22	-0.26	27.94	-0.15	0.61
29	32.05	0.32	40.57	-0.17	26.89	-0.13	0.48
30	54.32	0.48	19.16	-0.35	25.92	-0.22	0.60
31	53.33	0.48	23.35	-0.22	22.61	-0.33	0.71
32	52.77	0.27	25.06	-0.19	21.50	-0.11	0.66
33	45.61	0.40	23.74	-0.39	29.86	-0.06	0.78
34	60.73	0.51	15.45	-0.28	23.00	-0.34	0.82

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.26: Distractor Analysis of Multiple Choice Items in Writing on Stage II

Item	Correct Option		Distractor 1		Distractor 2		%
	%	PtBis	%	PtBis	%	PtBis	Omit
35	80.79	0.54	11.16	-0.38	7.85	-0.33	0.20
36	60.55	0.40	22.96	-0.26	16.26	-0.23	0.24
37	44.52	0.36	24.33	-0.24	30.72	-0.16	0.42
38	69.70	0.41	6.65	-0.31	23.41	-0.25	0.24
39	82.26	0.52	9.66	-0.37	7.70	-0.33	0.38
40	61.93	0.49	16.37	-0.40	21.46	-0.22	0.24
41	55.27	0.46	28.46	-0.23	15.95	-0.33	0.32
42	63.04	0.50	21.15	-0.30	15.25	-0.31	0.55
43	53.57	0.50	27.46	-0.30	18.63	-0.29	0.34
44	33.00	0.19	42.64	-0.03	23.91	-0.16	0.44
45	44.70	0.38	34.03	-0.13	20.66	-0.30	0.60
46	40.96	0.35	19.85	-0.41	38.82	-0.01	0.37
47	48.85	0.41	33.35	-0.21	17.11	-0.26	0.69

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.27: Distractor Analysis of Multiple Choice Items in Listening on Stage II

Item	Correct Option		Distractor 1		Distractor 2		%
	%	PtBis	%	PtBis	%	PtBis	Omit
1	72.87	0.47	17.38	-0.35	9.15	-0.24	0.60
2	60.15	0.52	23.84	-0.38	15.19	-0.23	0.82
3	61.79	0.49	27.25	-0.36	10.12	-0.24	0.84
4	47.82	0.56	18.69	-0.33	32.51	-0.30	0.99
5	48.47	0.47	11.16	-0.21	40.02	-0.34	0.35
6	44.42	0.46	37.03	-0.39	18.14	-0.10	0.42
7	85.91	0.37	10.51	-0.30	3.46	-0.18	0.12
8	66.98	0.34	24.20	-0.21	8.58	-0.23	0.23
9	89.04	0.27	6.96	-0.18	3.87	-0.18	0.12
10	91.34	0.38	4.28	-0.25	4.22	-0.28	0.16
11	79.72	0.47	13.41	-0.34	6.76	-0.28	0.12
12	71.00	0.35	18.51	-0.22	10.28	-0.24	0.22
13	90.49	0.39	5.50	-0.29	3.80	-0.25	0.20
14	51.21	0.48	11.73	-0.21	36.39	-0.34	0.67

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.28: Distractor Analysis of Multiple Choice Items in Reading on Stage III

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
15	85.35	0.30	5.81	-0.17	4.70	-0.17	3.82	-0.15	0.32
16	35.36	0.31	55.45	-0.15	4.80	-0.18	4.33	-0.18	0.06
17	66.68	0.35	15.14	-0.10	9.92	-0.16	8.14	-0.29	0.12
18	56.21	0.45	9.57	-0.26	7.17	-0.17	26.52	-0.23	0.52
19	80.54	0.47	7.39	-0.29	5.80	-0.23	6.17	-0.23	0.09
20	48.90	0.38	16.11	-0.16	12.91	-0.15	21.85	-0.19	0.24
21	90.48	0.37	5.06	-0.23	2.86	-0.19	1.55	-0.18	0.05
22	37.80	0.18	15.65	-0.07	30.16	-0.07	16.23	-0.09	0.16
23	56.19	0.36	27.04	-0.13	5.48	-0.25	10.91	-0.21	0.37
24	47.63	0.46	21.00	-0.24	13.90	-0.32	17.37	-0.06	0.11
25	75.93	0.48	5.62	-0.26	6.07	-0.25	12.23	-0.25	0.15
26	66.17	0.52	6.53	-0.22	8.66	-0.28	18.23	-0.28	0.41
27	64.18	0.50	15.47	-0.29	8.00	-0.20	12.20	-0.23	0.15
28	61.73	0.49	9.88	-0.22	18.80	-0.24	9.32	-0.26	0.27
29	19.54	0.18	29.42	0.03	17.53	-0.03	33.01	-0.14	0.50
30	42.93	0.44	26.89	-0.23	15.75	-0.16	14.25	-0.15	0.19
31	41.20	0.38	21.00	-0.15	19.24	-0.14	18.32	-0.18	0.24
32	36.10	0.33	28.54	-0.17	15.74	-0.16	19.13	-0.06	0.49
33	56.26	0.47	13.04	-0.19	12.57	-0.23	17.27	-0.24	0.85
34	33.92	0.38	32.88	-0.21	19.35	-0.04	13.59	-0.17	0.26
35	32.09	0.31	31.73	-0.03	19.54	-0.15	16.30	-0.18	0.35
36	31.02	0.26	24.47	-0.05	24.72	-0.17	19.41	-0.05	0.39
37	35.50	0.24	13.33	-0.15	34.83	0.03	15.97	-0.20	0.37

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.29: Distractor Analysis of Multiple Choice Items in Writing on Stage III

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
38	38.59	0.42	19.86	-0.10	38.13	-0.25	3.33	-0.23	0.09
39	50.68	0.35	10.40	-0.22	28.06	-0.12	10.45	-0.17	0.40
40	19.80	0.05	55.64	0.20	15.22	-0.13	9.25	-0.24	0.08
41	50.87	0.43	23.34	-0.14	12.53	-0.25	13.07	-0.22	0.19
42	48.79	0.40	10.12	-0.27	14.06	-0.20	26.49	-0.10	0.54
43	51.72	0.42	13.80	-0.29	24.97	-0.11	9.40	-0.22	0.11
44	76.73	0.45	8.95	-0.24	8.40	-0.21	5.81	-0.26	0.11
45	81.58	0.56	6.01	-0.28	9.03	-0.35	3.16	-0.25	0.21
46	62.59	0.55	5.21	-0.25	22.85	-0.34	8.90	-0.22	0.45
47	57.06	0.39	4.03	-0.25	10.38	-0.32	28.38	-0.09	0.15
48	81.39	0.48	4.57	-0.28	7.78	-0.24	5.90	-0.25	0.36
49	62.23	0.48	6.70	-0.30	8.72	-0.21	21.63	-0.22	0.73
50	70.24	0.43	6.39	-0.30	16.42	-0.14	6.76	-0.27	0.19
51	65.29	0.51	13.91	-0.24	13.09	-0.22	7.41	-0.29	0.30
52	59.59	0.46	16.28	-0.22	6.48	-0.29	17.31	-0.19	0.34
53	67.10	0.53	12.23	-0.26	10.29	-0.25	10.08	-0.28	0.29

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.30: Distractor Analysis of Multiple Choice Items in Listening on Stage III

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
1	76.46	0.36	4.87	-0.20	7.65	-0.23	10.90	-0.15	0.13
2	72.69	0.39	10.02	-0.24	2.48	-0.14	14.15	-0.21	0.67
3	63.60	0.44	14.86	-0.22	11.96	-0.25	9.45	-0.16	0.13
4	66.97	0.42	9.34	-0.20	4.80	-0.16	18.26	-0.25	0.63
5	83.18	0.43	3.03	-0.26	6.61	-0.24	7.08	-0.22	0.09
6	28.84	0.33	23.32	-0.02	39.73	-0.23	7.74	-0.10	0.36
7	75.01	0.46	5.10	-0.23	6.20	-0.24	13.35	-0.25	0.35
8	59.28	0.46	9.59	-0.28	8.97	-0.24	22.05	-0.18	0.12
9	66.80	0.37	8.34	-0.19	15.78	-0.19	8.66	-0.17	0.42
10	57.04	0.49	16.43	-0.21	14.25	-0.21	12.15	-0.28	0.13
11	61.40	0.43	11.20	-0.20	21.91	-0.23	5.36	-0.24	0.13
12	70.21	0.43	6.84	-0.26	8.77	-0.22	13.89	-0.20	0.28
13	58.96	0.51	8.32	-0.25	17.73	-0.18	14.87	-0.31	0.12
14	52.58	0.40	13.23	-0.24	20.07	-0.15	13.91	-0.16	0.21

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.31: Distractor Analysis of Multiple Choice Items in Reading on Stage IV

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
15	90.62	0.34	4.31	-0.21	2.14	-0.18	2.86	-0.18	0.08
16	61.02	0.34	19.64	-0.19	8.10	-0.11	11.06	-0.18	0.18
17	85.02	0.42	6.64	-0.20	4.52	-0.25	3.44	-0.24	0.37
18	84.28	0.39	11.54	-0.27	2.61	-0.20	1.48	-0.16	0.09
19	91.08	0.40	3.90	-0.27	2.52	-0.21	2.27	-0.18	0.24
20	40.23	0.36	18.35	-0.16	34.14	-0.19	7.19	-0.09	0.09
21	63.20	0.45	12.49	-0.19	10.85	-0.20	13.33	-0.26	0.12
22	62.71	0.49	12.50	-0.24	10.09	-0.21	14.41	-0.26	0.29
23	38.13	0.31	27.44	-0.06	17.45	-0.18	16.34	-0.14	0.64
24	76.85	0.51	13.44	-0.35	5.35	-0.23	4.27	-0.21	0.10
25	41.34	0.37	23.11	-0.11	26.00	-0.19	9.40	-0.17	0.16
26	51.70	0.38	18.40	-0.17	17.81	-0.19	11.86	-0.14	0.23
27	30.68	0.34	17.49	-0.14	27.68	-0.08	23.61	-0.14	0.54
28	24.24	0.29	13.95	-0.20	39.12	0.00	22.51	-0.13	0.18
29	47.50	0.35	6.16	-0.25	6.11	-0.16	40.12	-0.15	0.11
30	56.29	0.46	14.22	-0.17	16.83	-0.29	12.27	-0.16	0.39
31	33.90	0.35	35.70	-0.10	11.28	-0.14	18.24	-0.18	0.88
32	61.88	0.49	9.21	-0.27	9.07	-0.24	19.75	-0.23	0.09
33	38.08	0.29	34.28	-0.06	16.68	-0.15	10.77	-0.18	0.19
34	36.12	0.23	14.39	-0.16	35.24	0.01	13.89	-0.16	0.36
35	43.19	0.35	33.22	-0.08	9.09	-0.22	14.15	-0.20	0.35
36	33.44	0.29	18.51	-0.11	16.98	-0.19	30.55	-0.04	0.52
37	54.89	0.41	14.17	-0.18	15.08	-0.20	15.73	-0.18	0.12
38	17.07	0.01	25.36	-0.06	32.79	0.15	24.57	-0.11	0.21
39	35.65	0.24	19.22	-0.08	21.40	-0.11	23.50	-0.08	0.23
40	33.76	0.21	19.38	-0.07	28.21	-0.04	18.49	-0.13	0.17

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.32: Distractor Analysis of Multiple Choice Items in Writing on Stage IV

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
41	68.04	0.36	8.27	-0.21	2.98	-0.21	20.60	-0.18	0.11
42	32.40	0.20	8.20	-0.19	30.93	-0.02	28.30	-0.07	0.17
43	49.80	0.26	13.53	-0.14	5.32	-0.23	31.29	-0.07	0.07
44	63.93	0.39	18.87	-0.19	11.47	-0.21	5.64	-0.20	0.09
45	46.95	0.45	10.88	-0.25	12.40	-0.13	29.44	-0.21	0.33
46	38.12	0.30	10.90	-0.20	16.98	-0.12	33.36	-0.07	0.63
47	45.06	0.31	17.45	-0.13	20.77	-0.14	16.34	-0.11	0.39
48	40.71	0.32	20.17	-0.09	21.56	-0.11	16.78	-0.19	0.77
49	41.23	0.38	15.93	-0.14	14.04	-0.12	28.68	-0.21	0.11
50	77.64	0.48	5.25	-0.27	8.60	-0.26	8.32	-0.23	0.19
51	70.30	0.49	6.18	-0.24	14.07	-0.25	8.95	-0.25	0.50
52	61.69	0.49	12.86	-0.30	11.10	-0.16	14.15	-0.24	0.21
53	61.09	0.42	17.36	-0.13	10.73	-0.32	10.56	-0.18	0.26
54	37.58	0.28	16.54	-0.27	39.35	0.04	5.82	-0.22	0.71
55	57.02	0.39	13.87	-0.16	11.35	-0.17	17.53	-0.22	0.23
56	67.43	0.48	13.11	-0.25	7.60	-0.24	11.66	-0.23	0.20
57	40.14	0.29	22.07	-0.10	19.32	-0.19	18.19	-0.05	0.28
58	35.33	0.33	32.80	-0.11	16.25	-0.17	15.32	-0.11	0.30

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.33: Distractor Analysis of Multiple Choice Items in Listening on Stage IV

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
1	91.16	0.36	1.27	-0.15	2.22	-0.19	5.20	-0.25	0.14
2	75.73	0.45	10.97	-0.32	5.92	-0.16	7.08	-0.19	0.30
3	76.20	0.46	4.19	-0.23	4.33	-0.16	15.18	-0.33	0.09
4	52.09	0.38	19.54	-0.22	19.54	-0.16	8.59	-0.14	0.25
5	80.33	0.42	4.83	-0.22	4.10	-0.20	10.64	-0.26	0.10
6	75.48	0.37	5.24	-0.25	10.97	-0.14	7.92	-0.21	0.40
7	75.82	0.48	9.92	-0.26	7.78	-0.27	6.43	-0.21	0.06
8	34.07	0.34	16.26	-0.17	27.27	-0.11	22.21	-0.12	0.20
9	72.71	0.45	14.63	-0.26	3.37	-0.16	8.77	-0.26	0.52
10	61.61	0.40	3.86	-0.18	19.32	-0.20	15.12	-0.23	0.09
11	58.88	0.46	25.25	-0.22	9.07	-0.22	6.69	-0.26	0.10
12	59.86	0.42	14.54	-0.22	16.78	-0.24	8.75	-0.13	0.07
13	66.05	0.47	17.15	-0.23	7.94	-0.27	8.74	-0.22	0.11
14	33.30	0.38	7.14	-0.20	9.43	-0.32	49.99	-0.06	0.14

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.34: Distractor Analysis of Multiple Choice Items in Reading on Stage V

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
15	63.61	0.18	31.57	-0.06	2.49	-0.18	2.20	-0.19	0.13
16	78.82	0.37	5.55	-0.19	4.39	-0.21	10.83	-0.20	0.42
17	73.43	0.48	9.08	-0.27	10.37	-0.27	6.93	-0.20	0.19
18	44.60	0.25	15.06	-0.26	29.76	-0.01	10.29	-0.08	0.28
19	64.43	0.38	18.08	-0.17	9.52	-0.20	7.65	-0.21	0.32
20	90.54	0.37	2.66	-0.22	2.70	-0.20	3.82	-0.21	0.28
21	56.71	0.36	13.18	-0.17	7.35	-0.20	22.72	-0.16	0.04
22	46.59	0.36	28.34	-0.20	17.70	-0.13	6.93	-0.14	0.44
23	72.82	0.51	5.58	-0.27	13.68	-0.28	7.67	-0.26	0.25
24	37.40	0.33	21.14	-0.01	28.55	-0.26	12.02	-0.12	0.89
25	45.19	0.32	20.04	-0.13	19.45	-0.12	14.99	-0.17	0.34
26	42.36	0.42	23.23	-0.05	14.00	-0.25	20.40	-0.24	0.02
27	52.57	0.36	14.66	-0.15	23.30	-0.16	9.40	-0.20	0.06
28	66.80	0.47	18.84	-0.26	5.83	-0.26	8.41	-0.20	0.11
29	56.54	0.45	20.08	-0.16	8.72	-0.22	14.15	-0.26	0.51
30	55.38	0.40	15.48	-0.13	16.11	-0.24	12.90	-0.19	0.13
31	43.36	0.34	20.44	-0.11	19.30	-0.14	16.45	-0.18	0.46
32	71.47	0.48	10.14	-0.31	10.14	-0.21	8.03	-0.22	0.21
33	55.54	0.53	20.06	-0.31	11.53	-0.26	12.27	-0.16	0.61
34	75.76	0.45	5.17	-0.23	6.31	-0.29	12.71	-0.21	0.06
35	41.71	0.35	19.98	-0.07	17.11	-0.24	21.14	-0.13	0.06
36	58.59	0.48	12.69	-0.22	10.31	-0.22	18.25	-0.25	0.15
37	37.13	0.35	28.32	-0.12	22.85	-0.14	11.51	-0.16	0.19
38	54.53	0.44	22.55	-0.19	9.36	-0.24	13.20	-0.19	0.36
39	34.64	0.33	11.85	-0.24	34.07	-0.01	19.22	-0.18	0.21
40	38.59	0.34	12.84	-0.13	21.31	-0.13	26.97	-0.16	0.28
41	29.48	0.18	22.09	-0.09	22.75	-0.15	25.28	0.04	0.40
42	43.48	0.41	23.13	-0.14	11.04	-0.21	22.03	-0.19	0.32

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 7.35: Distractor Analysis of Multiple Choice Items in Writing on Stage V

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
43	88.26	0.38	8.57	-0.28	1.75	-0.20	1.29	-0.14	0.13
44	38.16	0.28	33.71	-0.04	19.58	-0.20	8.47	-0.13	0.08
45	83.95	0.37	2.91	-0.18	2.72	-0.20	10.31	-0.24	0.11
46	19.49	0.19	48.83	-0.06	26.70	-0.02	4.75	-0.16	0.23
47	14.93	0.15	5.32	-0.12	10.26	-0.13	69.19	0.04	0.30
48	73.37	0.48	16.37	-0.28	4.81	-0.27	5.39	-0.22	0.06
49	30.45	0.23	11.24	-0.13	50.96	-0.04	7.12	-0.16	0.23
50	37.49	0.35	38.10	-0.14	12.08	-0.13	11.79	-0.16	0.53
51	54.83	0.34	29.02	-0.05	11.57	-0.33	4.44	-0.19	0.13
52	26.10	0.29	17.93	-0.09	26.93	-0.16	28.96	-0.06	0.08
53	59.91	0.47	12.71	-0.27	19.70	-0.17	7.10	-0.25	0.59
54	38.86	0.30	28.21	-0.10	12.88	-0.19	19.92	-0.09	0.13
55	64.16	0.44	14.30	-0.17	7.37	-0.25	13.88	-0.25	0.28
56	45.68	0.30	9.76	-0.25	28.58	-0.07	15.78	-0.12	0.19
57	62.01	0.43	17.74	-0.20	8.76	-0.29	11.42	-0.16	0.08
58	24.22	0.26	39.41	-0.04	17.61	-0.06	17.87	-0.16	0.89
59	65.22	0.50	8.45	-0.20	12.06	-0.28	14.02	-0.25	0.25
60	45.24	0.26	20.06	-0.10	28.05	-0.07	6.42	-0.21	0.23

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 7.36: Distractor Analysis of Multiple Choice Items in Listening on Stage V

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
1	87.16	0.41	3.25	-0.21	3.17	-0.19	6.29	-0.28	0.13
2	70.26	0.43	3.61	-0.26	3.87	-0.20	21.99	-0.26	0.27
3	70.09	0.46	12.61	-0.21	8.05	-0.24	9.08	-0.26	0.17
4	53.96	0.37	5.93	-0.16	33.37	-0.26	6.53	-0.10	0.21
5	67.14	0.47	5.94	-0.17	8.66	-0.19	18.04	-0.32	0.21
6	36.98	0.38	13.11	-0.13	22.22	-0.20	27.33	-0.12	0.36
7	59.15	0.46	10.01	-0.27	6.78	-0.21	23.32	-0.21	0.74
8	52.78	0.58	17.25	-0.23	6.70	-0.20	23.08	-0.36	0.19
9	55.02	0.48	25.39	-0.26	5.34	-0.20	14.00	-0.23	0.25
10	44.05	0.43	21.99	-0.15	23.27	-0.22	9.84	-0.16	0.85
11	45.43	0.35	29.15	0.00	13.45	-0.25	11.91	-0.27	0.06
12	44.18	0.28	14.28	-0.20	22.79	-0.13	18.42	-0.02	0.32
13	38.06	0.41	13.39	-0.15	21.16	-0.25	27.01	-0.10	0.38
14	61.25	0.53	15.48	-0.19	10.45	-0.25	12.67	-0.33	0.15

Note: Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Chapter 8. CALIBRATION, EQUATING, AND SCALING

This chapter of the technical report describes calibration, equating, and scaling procedures that took place for the Spring 2014 AZELLA Reassessment and summarizes the results. All stages were calibrated and scaled with calibration samples that typically consisted of the entire ELL population. Note that there was no calibration executed for the AZELLA Placement Tests as they are pre-equated tests. Please refer to Appendix A for the calibration results for the AZELLA Placement Tests when they were scaled. This part of the technical report addresses the following 1999 AERA/APA/NCME standards (AERA, APA, NCME, 1999): 1.13, 4.1, 4.2, 4.3, 6.4, 6.5, and 13.6. The 2014 AERA/APA/NCME standards (AERA, APA, NCME, 2014) addressed by this chapter are: 1.10, 5.1, 5.2, 5.3, 7.2, 7.4, and 12.9.

8.1 Calibration Sample

In order to ensure valid calibration results, several data-cleaning steps occurred upon receipt of raw data from the scanning and scoring processes. These steps allowed for calibration to be conducted on valid student responses at the targeted stage level.

The cleaning process removed the following records from the calibration datasets for each stage level:

- records with invalid tests noted by a special invalidation code obtained from ADE and marked on the answer document
- records with non-valid attempts noted by less than one response in any of the test sessions
- records which indicated the student took a test other than their stage level
- duplicate records (score sheets were double scanned or students indicated as taking the test more than once)
- records which indicated the student was not classified as ELL

8.2 Calibration Methods

Item response theory (IRT) models were used in the item calibration for the AZELLA tests. All tests were calibrated separately by stage. All calibration activities were replicated with two Pearson psychometricians as a quality control measure.

8.2.1 Calibration Models and Form Equating

The AZELLA tests are composed of one-point and multiple-point items. Items on the two operational test forms were calibrated concurrently by stage to equate the operational test forms. The Rasch model (Rasch, 1960) was used for one-point items. It estimates item difficulty and student ability on the same scale. Under the Rasch model, the probability that student *j* with ability θ answers item *i* with difficulty of *b* correctly is

$$P_i(\theta_j) = \frac{\exp(\theta_j - b_i)}{1 + \exp(\theta_j - b_i)}.$$

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For multiple-point items, the partial credit model (Masters, 1982) was used to establish the scale. The partial credit model is an extension of the Rasch model; it is for items for which students may get partial credit. Thus, the partial credit model reduces to the Rasch model when items have only two response categories (i.e., 0 or 1). According to the partial credit model, the probability that student *j* scores *x* on item *i* which has a maximum possible point of *m* (*k*=*m*+1 possible response categories) is expressed as

$$P_{ix}(\theta_j) = \frac{\exp \sum_{l=0}^{x} (\theta_j - D_{il})}{\sum_{k=0}^{m_i} [\exp \sum_{l=0}^{k} (\theta_j - D_{il})]},$$

where *x*=0, 1,…, m_i , D_{il} is a step difficulty for score *l* and by definition,

$$\sum_{l=0}^{0} (\theta_j - D_{il}) = 0.$$

The step difficulty, D_{il} can be decomposed such that

$$D_{il} = b_i + h_{il},$$

where b_i is an overall difficulty for item *i* and h_{il} is a threshold for score *l* (Embretson & Reise, 2000; Linacre, 2011). This parameterization allows b_i in the partial credit model to be comparable to b_i in the Rasch model.

8.2.2 Calibration Software

Parameter estimation for items on the Stages I through V tests was implemented using Winsteps 3.73.0 (Linacre, 2011). Winsteps uses joint maximum likelihood estimation (JMLE) as described by Wright and Masters (1982).

8.3 Calibration Results

IRT statistics at item level resulting from calibration of the Spring 2014 AZELLA Reassessment are presented in Table 8.1 through Table 8.20. All items for all AZELLA tests converged during calibration using typical procedures for Winsteps software. Standard error of estimates for the Rasch difficulty measures indicated that the parameters were well estimated. Mode-to-item data fit was monitored using weighted mean-square (MNSQ) and unweighted MNSQ statistics, which indicate the degree of accuracy and predictability with which the data fits the model (Linacre, 2002). In Winsteps and Rasch literature, weighted mean-square is also referred to as infit MNSQ and unweighted mean square is referred to as outfit MNSQ. The infit MNSQ is sensitive to unexpected responses at or near the item's calibrated level; whereas, outfit MNSQ is sensitive to unexpected responses away from the item's calibrated level. AZELLA items were flagged for misfit using a set of conservative criteria. For infit MNSQ, these values were less than 0.6 or greater than 1.4, and for outfit MNSQ, items flagged had a value greater than 1.4 (Wright & Linacre, 1994). The use of these criteria allowed more items to be inspected for model misfit than with the criteria currently recommended (Linacre, 2014).

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Table 8.1: IRT Statistics for Items in Reading on Stage I

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
15	MC	-3.52	0.03	1.03	0.99	24	MC	-1.85	0.02	1.06	1.07
16	MC	-3.66	0.03	1.20	1.37	25	MC	-2.07	0.02	0.96	0.96
17	MC	-3.52	0.03	0.86	0.77	26	MC	-2.45	0.02	1.14	1.19
18	MC	-3.04	0.02	0.86	0.77	27	MC	-2.47	0.02	1.10	1.12
19	MC	-3.44	0.03	0.85	0.74	28	MC	-3.55	0.03	0.93	0.88
20	MC	-2.00	0.02	1.21	1.26	29	MC	-2.26	0.02	1.10	1.14
21	MC	-2.68	0.02	1.04	1.05	30	MC	-2.85	0.02	0.94	0.90
22	MC	-2.43	0.02	0.95	0.92	31	MC	-2.46	0.02	0.95	0.94
23	MC	-2.31	0.02	0.97	0.94	32	MC	-2.16	0.02	1.08	1.10

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.2: IRT Statistics for Items in Writing on Stage I

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
33	SA2	-2.49	0.01	1.17	1.21	38	SA1	-2.02	0.02	1.04	1.05
34	SA2	-3.48	0.02	0.98	0.95	39	SA1	-1.58	0.02	1.01	1.01
35	SA2	-3.71	0.02	0.97	0.98	40	SA3	-0.84	0.01	0.86	0.86
36	SA2	-2.49	0.01	0.89	0.84	41	SA3	-1.31	0.01	1.09	1.04
37	SA2	-0.95	0.02	0.87	0.85						

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.3: IRT Statistics for Items in Listening on Stage I

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-3.25	0.02	1.03	1.05	8	MC	-2.16	0.02	1.12	1.19
2	MC	-3.08	0.02	1.01	0.99	9	MC	-3.14	0.02	0.98	0.96
3	MC	-2.72	0.02	1.10	1.12	10	MC	-3.14	0.02	0.93	0.88
4	MC	-3.34	0.03	1.05	1.05	11	MC	-3.03	0.02	0.94	0.92
5	MC	-3.58	0.03	1.19	1.23	12	MC	-2.36	0.02	0.96	0.93
6	MC	-2.23	0.02	0.96	0.95	13	MC	-2.36	0.02	0.99	1.00
7	MC	-2.66	0.02	0.89	0.85	14	MC	-2.12	0.02	1.06	1.07

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.4: IRT Statistics for Items in Speaking on Stage I

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
42	SA1	-2.93	0.02	1.07	1.20	46	SA2	-2.25	0.01	1.22	1.44
43	SA1	-4.42	0.04	1.00	1.06	47	SA2	-2.49	0.01	1.14	1.32
44	SA1	-2.41	0.02	0.99	0.99	48	SA2	-1.62	0.01	1.21	1.37
45	SA1	-0.16	0.03	1.01	1.01	49	SA4	-2.07	0.01	0.87	0.92

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA4=4 Point Short Answer, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 8.5: IRT Statistics for Items in Reading on Stage II

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
15	MC	-1.72	0.02	1.03	1.03	27	MC	-0.56	0.01	0.99	0.99
16	MC	-1.72	0.02	0.91	0.80	28	MC	-0.80	0.01	1.08	1.09
17	MC	-1.98	0.02	1.03	0.97	29	MC	0.44	0.01	1.03	1.07
18	MC	-0.39	0.01	0.96	0.95	30	MC	-0.57	0.01	0.94	0.92
19	MC	-1.39	0.01	1.11	1.21	31	MC	-0.44	0.01	0.94	0.93
20	MC	-1.53	0.01	0.83	0.72	32	MC	-0.44	0.01	1.10	1.12
21	MC	-1.14	0.01	0.96	0.92	33	MC	-0.19	0.01	0.99	1.01
22	MC	-0.77	0.01	1.00	1.00	34	MC	-0.85	0.01	0.91	0.87
23	MC	-0.21	0.01	0.98	0.98	50	SA1	-0.91	0.01	1.03	1.05
24	MC	-0.64	0.01	0.94	0.92	51	SA1	-0.45	0.01	1.02	1.03
25	MC	-0.67	0.01	0.91	0.88	52	SA3	0.12	0.01	1.03	1.01
26	MC	-0.97	0.01	1.01	1.00						

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.6: IRT Statistics for Items in Writing on Stage II

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
35	MC	-1.98	0.02	0.88	0.71	43	MC	-0.44	0.01	0.91	0.89
36	MC	-0.76	0.01	0.98	0.95	44	MC	0.25	0.01	1.14	1.20
37	MC	-0.28	0.01	1.03	1.05	45	MC	-0.18	0.01	1.02	1.03
38	MC	-1.33	0.01	1.02	1.01	46	MC	-0.04	0.01	1.04	1.04
39	MC	-2.04	0.02	0.87	0.69	47	MC	-0.32	0.01	1.01	1.02
40	MC	-0.89	0.01	0.94	0.91	48	ER	-1.35	0.01	0.78	0.74
41	MC	-0.69	0.01	0.99	0.97	49	ER	-1.30	0.01	0.76	0.73
42	MC	-0.96	0.01	0.93	0.89						

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.7: IRT Statistics for Items in Listening on Stage II

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-1.47	0.01	1.01	0.98	8	MC	-1.36	0.01	1.19	1.28
2	MC	-0.70	0.01	0.98	0.96	9	MC	-2.63	0.02	1.01	1.17
3	MC	-0.71	0.01	1.01	0.99	10	MC	-3.12	0.02	1.09	0.86
4	MC	-0.04	0.01	0.96	0.97	11	MC	-1.84	0.02	0.91	0.84
5	MC	-0.34	0.01	1.03	1.03	12	MC	-1.44	0.01	1.09	1.12
6	MC	-0.13	0.01	1.02	1.03	13	MC	-3.07	0.02	1.13	0.84
7	MC	-2.19	0.02	0.90	0.85	14	MC	-0.17	0.01	0.94	0.94

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.8: IRT Statistics for Items in Speaking on Stage II

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
53	SA4	-1.16	0.01	1.11	1.20	57	SA4	-0.76	0.01	1.55	1.79
54	SA4	-1.66	0.01	1.06	1.24	58	SA4	-1.37	0.01	1.38	1.64
55	SA4	-0.35	0.01	1.46	1.93	59	SA4	-1.22	0.01	1.45	1.72
56	SA4	-0.83	0.01	1.56	1.84	60	SA4	-1.80	0.01	0.87	0.90

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 8.9: IRT Statistics for Items in Reading on Stage III

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
15	MC	-1.58	0.02	0.96	0.92	28	MC	-0.29	0.01	0.95	0.93
16	MC	0.90	0.01	1.01	1.03	29	MC	1.82	0.02	1.02	1.22
17	MC	-0.40	0.01	1.00	0.99	30	MC	0.73	0.01	0.96	0.99
18	MC	0.26	0.01	0.92	0.92	31	MC	0.71	0.01	0.99	1.01
19	MC	-1.12	0.02	0.81	0.69	32	MC	1.00	0.01	1.02	1.06
20	MC	0.28	0.01	1.01	1.01	33	MC	0.23	0.01	0.92	0.91
21	MC	-1.93	0.02	0.79	0.61	34	MC	1.03	0.01	0.98	1.02
22	MC	0.74	0.01	1.14	1.19	35	MC	1.10	0.01	1.02	1.08
23	MC	0.10	0.01	1.02	1.04	36	MC	1.09	0.01	1.04	1.09
24	MC	0.56	0.01	0.94	0.95	37	MC	0.92	0.01	1.09	1.14
25	MC	-0.86	0.02	0.86	0.80	56	SA1	-0.06	0.01	1.07	1.10
26	MC	-0.27	0.01	0.85	0.81	57	SA1	0.92	0.01	0.96	0.94
27	MC	-0.36	0.01	0.92	0.89	58	SA1	0.81	0.01	0.93	0.91

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.10: IRT Statistics for Items in Writing on Stage III

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
38	MC	0.83	0.01	0.96	0.98	47	MC	0.10	0.01	1.01	1.02
39	MC	0.25	0.01	1.04	1.05	48	MC	-1.15	0.02	0.84	0.77
40	MC	1.91	0.02	1.17	1.52	49	MC	-0.02	0.01	0.92	0.90
41	MC	0.27	0.01	0.98	0.98	50	MC	-0.39	0.01	0.92	0.92
42	MC	0.31	0.01	1.01	1.02	51	MC	-0.16	0.01	0.88	0.85
43	MC	0.23	0.01	0.98	0.99	52	MC	0.00	0.01	0.94	0.93
44	MC	-0.75	0.01	0.85	0.81	53	MC	-0.38	0.01	0.88	0.84
45	MC	-1.18	0.02	0.80	0.67	54	ER	0.21	0.01	0.71	0.68
46	MC	-0.10	0.01	0.85	0.82	55	ER	0.45	0.01	0.63	0.58

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.11: IRT Statistics for Items in Listening on Stage III

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-0.86	0.02	0.98	0.98	8	MC	-0.12	0.01	1.00	1.01
2	MC	-0.79	0.02	1.03	1.05	9	MC	-0.54	0.01	1.11	1.18
3	MC	-0.37	0.01	0.99	0.99	10	MC	0.01	0.01	0.94	0.93
4	MC	-0.68	0.01	1.11	1.13	11	MC	-0.14	0.01	1.00	1.01
5	MC	-1.47	0.02	0.97	0.95	12	MC	-0.62	0.01	1.00	1.00
6	MC	1.11	0.01	0.99	1.04	13	MC	0.16	0.01	0.92	0.90
7	MC	-0.88	0.02	0.96	0.93	14	MC	0.24	0.01	1.05	1.06

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.12: IRT Statistics for Items in Speaking on Stage III

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
59	SA4	-0.57	0.01	1.35	1.71	63	SA4	-0.63	0.01	1.36	2.85
60	SA4	-1.47	0.01	1.05	2.18	64	SA4	-0.54	0.01	1.46	1.93
61	SA4	-0.88	0.01	1.31	2.06	65	SA4	-0.51	0.01	1.45	2.08
62	SA4	-1.05	0.01	1.08	1.42	66	SA4	-1.27	0.01	0.84	0.87

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 8.13: IRT Statistics for Items in Reading on Stage IV

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
15	MC	-1.76	0.03	0.92	0.72	29	MC	0.64	0.02	1.04	1.05
16	MC	0.14	0.02	1.02	1.02	30	MC	0.56	0.02	0.93	0.92
17	MC	-1.05	0.03	0.79	0.68	31	MC	1.34	0.02	0.97	1.01
18	MC	-0.88	0.03	0.77	0.70	32	MC	0.24	0.02	0.91	0.88
19	MC	-1.60	0.03	0.71	0.51	33	MC	1.04	0.02	1.02	1.04
20	MC	0.95	0.02	0.98	0.99	34	MC	1.25	0.02	1.08	1.12
21	MC	0.14	0.02	0.94	0.91	35	MC	0.90	0.02	1.01	1.02
22	MC	0.22	0.02	0.88	0.85	36	MC	1.29	0.02	1.03	1.08
23	MC	1.13	0.02	1.02	1.06	37	MC	0.71	0.02	0.96	0.96
24	MC	-0.36	0.02	0.77	0.70	38	MC	2.44	0.03	1.16	1.55
25	MC	1.12	0.02	1.00	1.01	39	MC	1.08	0.02	1.05	1.09
26	MC	0.55	0.02	1.00	0.99	40	MC	1.34	0.02	1.07	1.14
27	MC	1.61	0.02	1.00	1.06	61	SA1	1.55	0.02	1.00	0.98
28	MC	1.84	0.02	0.96	1.06	62	SA1	1.81	0.02	0.97	0.92

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.14: IRT Statistics for Items in Writing on Stage IV

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
41	MC	-0.11	0.02	1.00	1.01	51	MC	-0.08	0.02	0.86	0.84
42	MC	1.52	0.02	1.09	1.18	52	MC	0.37	0.02	0.89	0.88
43	MC	0.53	0.02	1.10	1.13	53	MC	0.21	0.02	0.98	0.98
44	MC	-0.03	0.02	1.02	1.02	54	MC	1.20	0.02	1.04	1.07
45	MC	0.80	0.02	0.95	0.94	55	MC	0.46	0.02	0.99	0.99
46	MC	0.98	0.02	1.02	1.03	56	MC	-0.06	0.02	0.91	0.90
47	MC	0.71	0.02	1.02	1.03	57	MC	1.02	0.02	1.03	1.06
48	MC	1.07	0.02	1.02	1.03	58	MC	1.29	0.02	0.98	1.00
49	MC	1.24	0.02	1.02	1.03	59	ER	1.58	0.01	0.76	0.77
50	MC	-0.55	0.02	0.87	0.80	60	ER	1.74	0.01	0.87	0.88

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.15: IRT Statistics for Items in Listening on Stage IV

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-1.65	0.03	0.83	0.71	8	MC	1.30	0.02	1.04	1.08
2	MC	-0.40	0.02	0.88	0.86	9	MC	-0.38	0.02	0.97	0.95
3	MC	-0.46	0.02	0.89	0.87	10	MC	0.23	0.02	1.02	1.01
4	MC	0.45	0.02	1.07	1.08	11	MC	0.41	0.02	0.97	0.96
5	MC	-0.77	0.03	0.93	0.89	12	MC	0.16	0.02	1.03	1.02
6	MC	-0.53	0.02	1.01	1.06	13	MC	0.04	0.02	0.94	0.92
7	MC	-0.61	0.02	0.97	0.94	14	MC	1.56	0.02	1.03	1.05

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 8.16: IRT Statistics for Items in Speaking on Stage IV

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
63	SA4	-0.72	0.01	1.01	1.10	67	SA4	-0.03	0.01	1.34	2.17
64	SA4	0.29	0.01	1.23	1.29	68	SA4	0.29	0.01	1.16	1.20
65	SA4	-0.41	0.01	1.09	1.39	69	SA4	0.17	0.01	1.27	1.47
66	SA4	0.35	0.01	1.12	1.15	70	SA4	-0.12	0.02	0.95	0.95

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.17: IRT Statistics for Items in Reading on Stage V

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
15	MC	0.13	0.03	1.17	1.25	29	MC	0.57	0.03	0.95	0.94
16	MC	-0.57	0.04	0.94	0.89	30	MC	0.68	0.03	1.01	1.00
17	MC	-0.17	0.03	0.83	0.77	31	MC	1.27	0.03	1.05	1.07
18	MC	1.13	0.03	1.10	1.12	32	MC	-0.08	0.03	0.89	0.83
19	MC	0.07	0.03	0.95	0.94	33	MC	0.66	0.03	0.88	0.86
20	MC	-1.69	0.05	0.95	0.68	34	MC	-0.45	0.03	0.95	0.89
21	MC	0.69	0.03	1.04	1.04	35	MC	1.03	0.03	1.04	1.04
22	MC	1.01	0.03	1.04	1.05	36	MC	0.44	0.03	0.93	0.90
23	MC	-0.37	0.03	0.92	0.85	37	MC	1.47	0.03	1.01	1.05
24	MC	1.40	0.03	1.02	1.05	38	MC	0.69	0.03	0.97	0.96
25	MC	1.12	0.03	1.06	1.10	39	MC	1.48	0.03	1.02	1.04
26	MC	1.21	0.03	0.97	0.99	40	MC	1.42	0.03	1.02	1.06
27	MC	0.77	0.03	1.04	1.05	41	MC	1.83	0.03	1.12	1.20
28	MC	0.10	0.03	0.92	0.88	42	MC	1.20	0.03	0.98	0.99

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.18: IRT Statistics for Items in Writing on Stage V

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
43	MC	-1.45	0.05	1.01	0.92	53	MC	0.49	0.03	0.92	0.90
44	MC	1.45	0.03	1.10	1.15	54	MC	1.28	0.03	1.04	1.06
45	MC	-1.07	0.04	1.02	0.98	55	MC	0.47	0.03	0.90	0.88
46	MC	2.21	0.03	0.98	1.07	56	MC	0.97	0.03	1.05	1.06
47	MC	2.80	0.04	1.08	1.37	57	MC	0.36	0.03	0.95	0.95
48	MC	-0.24	0.03	0.87	0.82	58	MC	2.07	0.03	0.96	1.09
49	MC	1.74	0.03	1.08	1.17	59	MC	0.26	0.03	0.87	0.83
50	MC	1.42	0.03	1.03	1.04	60	MC	1.13	0.03	1.10	1.14
51	MC	0.66	0.03	1.06	1.07	61	ER	1.15	0.02	0.92	0.99
52	MC	2.11	0.03	1.07	1.17	62	ER	1.64	0.02	0.88	0.96

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 8.19: IRT Statistics for Items in Listening on Stage V

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-1.15	0.04	0.83	0.69	8	MC	0.77	0.03	0.89	0.88
2	MC	0.00	0.03	0.98	0.98	9	MC	0.76	0.03	0.98	0.97
3	MC	-0.24	0.03	1.02	1.02	10	MC	1.09	0.03	1.05	1.06
4	MC	0.82	0.03	1.08	1.09	11	MC	1.13	0.03	1.11	1.15
5	MC	0.01	0.03	0.98	0.95	12	MC	1.13	0.03	1.14	1.18
6	MC	1.44	0.03	1.01	1.03	13	MC	1.40	0.03	0.99	1.01
7	MC	0.38	0.03	0.99	1.00	14	MC	0.45	0.03	0.91	0.90

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 8.20: IRT Statistics for Items in Speaking on Stage V

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
63	SA4	0.07	0.02	1.09	1.14	67	SA4	1.12	0.02	0.87	0.89
64	SA4	0.97	0.02	1.06	1.20	68	SA4	1.97	0.01	1.16	1.20
65	SA4	1.13	0.02	0.96	1.06	69	SA4	1.01	0.02	1.06	1.38
66	SA4	0.33	0.01	1.22	1.35	70	SA4	0.73	0.02	0.68	0.69

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

8.4 Equating

The Spring 2014 AZELLA Reassessment Tests were equated and placed on the operational AZELLA scale using a non-equaivalent groups anchor item (NEAT) design. A set of anchor items was selected from the Spring 2014 operational items. Since only a few of the Spring 2013 non-Speaking items were replaced with new items to construct the Spring 2014 form, most of the operational non-Speaking items were designated as anchor items in spring 2014. As noted in Section 6.2.6, the scoring engine for non-repeat Speaking items was recalibrated. Thus, they were not used as anchors in spring 2014.

A fixed anchor parameter equating was implemented within WINSTEPS in order to link the Spring 2014 tests to the operational reporting scale. This was implemented by constraining the Spring 2013 parameter estimates for the anchor items to equal the final parameter estimates obtained in the original AZELLA calibration analyses. The displacement statistic, which estimates the difference between the fixed parameter and the estimate had the item parameter not been constrained, was evaluated for each anchor item. Items with a displacement statistic greater than 0.3 or less than -0.3 were reiteratively removed from the anchor set. Therefore, if more than one anchor items were flagged, the item with the largest magnitude of displacement value was dropped from the anchor set. The displacement values of the remaining anchor items were then re-estimated by implementing the fixed anchor parameter equating with the remaining anchor items. This process was repeated until all of the anchor items had displacement values of a magnitude smaller than 0.3.

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8.5 Scaling Methods

In 2013, a scale of measurement was determined for the AZELLA Stage I though V tests. These tests were placed on a vertical scale for Total Combined score with the reporting scale ranging from 2000 to 3000. For each of the domain and subdomain strands, a scale score system was created that is not vertically linked across stages. The reporting scale for each of the domains (Listening, Speaking, Reading, and Writing) and subdomains (Language, Oral, Comprehension, and Literacy) was established to range from 100 to 400, in which the scale scores for Basic/Intermediate and Proficient cuts were fixed at 230, and 250, respectively for each Stage.

In 2012, a scale of measurement was determined for the AZELLA Kindergarten Placement Test. The Kindergarten Placement Test scale which ranges from 100 to 300, was placed on a separate scale from the AZELLA Stages I through V tests. Details about the creating of the scale scores can be found in the field test technical report (Arizona Department of Education, 2013c).

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Chapter 9. TEST RESULTS

Chapter 9 of this technical report contains information about the results of the administration of Spring 2014 AZELLA Reassessment. The first section provides information on Total Combined score as well as the four domains (Listening, Speaking, Reading, and Writing) from the AZELLA Stages I through V assessments. The second section provides information on Overall and subdomains (Language, Oral, Comprehension, Literacy). Please refer to Appendix A for the test results for the AZELLA Placement Tests when they were scaled. Test results for the AZELLA Placement Tests during the School Year of 2013-2014 are presented in Appendix B. The 1999 AERA/APA/NCME standards (AERA, APA, NCME, 1999) addressed in this part of the technical report include: 1.5, 4.3, 6.5, 7.1, 7.10, 13.15, and 13.19. The 2014 AERA/APA/NCME standards (AERA, APA, NCME, 2014) addressed by this chapter are: 1.8, 2.11, 2.15, 3.1, 3.3, 3.6, 3.15, 5.3, 7.4, 12.17, and 12.18.

Results presented below are based on population data contained within the final electronic data files. The results presented in this part of the technical report may differ slightly from final testing results presented on the Arizona Department of Education website due to slight differences in the application of exclusion rules. Official final results typically use more detailed school-level information than is used to conduct research analyses. The results in the following tables are presented as evidence of reliability and validity of the AZELLA assessments and should not be used for state accountability purposes.

Test results for the total group by grade for the Spring 2014 AZELLA Reassessments are shown in Table 9.1 through Table 9.13.. For each grade, the mean and standard deviation of the scale scores on Total Combined score as well as the percentages of students in Overall proficiency levels are presented for the state as a whole. Note that unlike the Kindergarten Placement Test where proficiency is based solely on Total Scale Score, the Overall proficiency levels for the Stages I through V assessments are determined based on the proficiency levels on Total Combined, Reading, and Writing scores. Students will be Overall Proficient only if they are Proficient on the Total Combined score plus both the Reading and Writing domains.

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Table 9.1: Spring 2014 AZELLA Stage I Test Results at Kindergarten

			Total Combined Scale Score		*% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total		22090	2337.95	64.55	4	15	45	36
	ELL	10733	2311.04	55.75	8	23	47	22
	IFEP	11357	2363.37	61.95	1	6	43	50
Hispanic		18949	2334.92	61.25	4	15	46	34
	ELL	9549	2310.92	55.06	8	23	47	22
	IFEP	9400	2359.30	57.47	1	7	45	47
Non-Hispanic		3141	2356.21	79.31	4	12	35	49
	ELL	1184	2312.03	61.04	10	24	42	25
	IFEP	1957	2382.94	77.11	1	5	30	64
White		18107	2336.30	61.72	4	15	46	35
	ELL	8859	2310.55	54.70	8	23	47	22
	IFEP	9248	2360.96	57.88	1	6	45	48
Black or African American		417	2341.84	68.14	5	14	41	40
	ELL	168	2302.57	61.97	11	24	46	18
	IFEP	249	2368.34	58.77	0	6	39	55
Asian		1242	2376.27	89.73	3	9	27	61
	ELL	431	2317.71	61.93	8	22	41	29
	IFEP	811	2407.39	86.63	0	2	19	78
American Indian or Alaskan Native		1124	2328.35	58.07	6	17	45	32
	ELL	535	2309.17	53.44	10	22	47	21
	IFEP	589	2345.77	56.64	2	12	43	42
Native Hawaiian or Other Pacific Islander		79	2349.16	101.01	4	19	37	41
	ELL	36	2304.78	57.61	8	36	33	22
	IFEP	43	2386.33	114.37	0	5	40	56
Multiple Indication		158	2356.42	62.91	1	9	44	45
	ELL	32	2316.28	52.71	6	19	47	28
	IFEP	126	2366.62	61.36	0	7	44	49
Special Education		1120	2305.66	60.04	11	25	45	19
	ELL	726	2289.82	57.49	15	32	40	12
	IFEP	394	2334.86	53.36	2	12	54	31
Low SES		18009	2334.19	61.02	5	15	46	34
	ELL	9251	2310.86	55.22	8	23	47	22
	IFEP	8758	2358.84	57.03	1	7	45	48
Migrant		257	2316.12	56.42	7	23	43	27
	ELL	183	2301.83	53.24	10	29	42	19
	IFEP	74	2351.46	48.17	0	8	46	46

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.2: Spring 2014 AZELLA Stage II Test Results at Grade 1

			Total Combined Scale Score		*% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	14454	2383.53	43.33	1	12	54	32
Hispanic	ELL	12645	2382.55	42.52	1	12	55	31
Non-Hispanic	ELL	1809	2390.34	48.05	2	11	49	38
White	ELL	11892	2383.11	42.84	1	12	55	32
Black or African American	ELL	267	2384.07	46.63	4	9	52	34
Asian	ELL	538	2403.50	49.87	1	9	39	51
American Indian or Alaskan Native	ELL	951	2379.46	41.39	2	13	57	28
Native Hawaiian or Other Pacific Islander	ELL	53	2389.53	48.31	0	15	47	38
Multiple Indication	ELL	81	2389.56	48.60	1	16	47	36
Special Education	ELL	1017	2361.62	40.67	4	25	55	17
Low SES	ELL	12431	2382.42	42.85	2	13	55	31
Migrant	ELL	244	2373.22	44.37	3	20	52	25

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

Table 9.3: Spring 2014 AZELLA Stage II Test Results at Grade 2

			Total Combined Scale Score		*% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	13723	2430.86	48.91	4	12	42	43
Hispanic	ELL	11998	2430.88	48.83	3	12	42	43
Non-Hispanic	ELL	1725	2430.76	49.43	4	12	41	43
White	ELL	11329	2430.96	48.90	4	12	42	43
Black or African American	ELL	272	2428.17	50.18	5	12	43	40
Asian	ELL	418	2442.54	51.77	5	8	33	55
American Indian or Alaskan Native	ELL	1034	2426.62	44.96	3	13	48	36
Native Hawaiian or Other Pacific Islander	ELL	37	2429.65	45.64	3	11	46	41
Multiple Indication	ELL	74	2434.81	56.36	4	18	31	47
Special Education	ELL	1085	2400.81	48.28	11	25	42	22
Low SES	ELL	11755	2430.35	48.72	4	12	42	42
Migrant	ELL	254	2421.03	57.14	9	15	36	39

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.4: Spring 2014 AZELLA Stage III Test Results at Grade 3

			Total Combined Scale Score		*% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	9683	2429.67	41.84	7	27	48	18
Hispanic	ELL	8375	2429.35	41.08	7	27	48	18
Non-Hispanic	ELL	1308	2431.76	46.38	8	26	46	21
White	ELL	7850	2429.40	41.32	7	27	48	18
Black or African American	ELL	164	2422.25	44.95	13	28	46	13
Asian	ELL	312	2442.95	49.52	6	20	44	30
American Indian or Alaskan Native	ELL	859	2425.93	39.98	6	31	48	15
Native Hawaiian or Other Pacific Islander	ELL	24	2442.63	53.13	8	21	38	33
Multiple Indication	ELL	68	2440.82	44.08	3	25	49	24
Special Education	ELL	946	2405.28	37.69	16	44	33	6
Low SES	ELL	8286	2429.21	41.15	7	27	48	18
Migrant	ELL	211	2418.95	38.02	8	38	43	11

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

Table 9.5: Spring 2014 AZELLA Stage III Test Results at Grade 4

			Total Combined Scale Score		*% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	9244	2455.50	48.31	9	20	43	28
Hispanic	ELL	7978	2455.61	47.93	9	20	43	27
Non-Hispanic	ELL	1266	2454.79	50.62	10	22	38	30
White	ELL	7271	2455.21	48.05	10	20	43	28
Black or African American	ELL	172	2444.87	53.88	17	22	38	23
Asian	ELL	307	2461.62	56.91	11	19	35	36
American Indian or Alaskan Native	ELL	970	2455.21	45.97	6	25	44	25
Native Hawaiian or Other Pacific Islander	ELL	32	2458.66	56.00	9	16	44	31
Multiple Indication	ELL	69	2457.52	35.53	4	20	55	20
Special Education	ELL	934	2424.16	42.00	22	39	30	10
Low SES	ELL	7943	2454.89	47.88	9	21	43	27
Migrant	ELL	201	2441.34	57.13	21	18	34	26

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.6: Spring 2014 AZELLA Stage III Test Results at Grade 5

			Total Combined Scale Score		*% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	6792	2469.16	49.95	9	17	35	39
Hispanic	ELL	5772	2469.34	49.06	9	17	35	39
Non-Hispanic	ELL	1020	2468.18	54.72	11	17	32	40
White	ELL	5151	2469.28	49.00	9	17	35	39
Black or African American	ELL	155	2465.19	58.74	15	12	36	37
Asian	ELL	222	2472.04	68.04	15	13	24	47
American Indian or Alaskan Native	ELL	823	2470.18	44.64	6	19	36	39
Native Hawaiian or Other Pacific Islander	ELL	18	2422.78	64.37	22	28	44	6
Multiple Indication	ELL	53	2469.74	45.59	9	19	32	40
Special Education	ELL	761	2443.18	42.89	15	34	34	17
Low SES	ELL	5855	2468.60	49.72	9	18	35	38
Migrant	ELL	145	2456.96	52.13	14	25	29	32

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

Table 9.7: Spring 2014 AZELLA Stage IV Test Results at Grade 6

			Total Combined Scale Score		*% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	4571	2466.52	41.86	7	20	48	26
Hispanic	ELL	3791	2466.62	40.92	6	19	49	25
Non-Hispanic	ELL	780	2466.02	46.19	8	22	42	28
White	ELL	3462	2466.26	41.49	7	19	48	26
Black or African American	ELL	119	2460.99	47.80	12	18	47	24
Asian	ELL	153	2464.22	52.73	11	27	29	33
American Indian or Alaskan Native	ELL	534	2466.92	36.75	3	23	49	25
Native Hawaiian or Other Pacific Islander	ELL	13	2481.54	27.93	0	8	69	23
Multiple Indication	ELL	30	2464.80	37.66	10	17	40	33
Special Education	ELL	579	2449.45	34.48	8	36	46	10
Low SES	ELL	3871	2465.73	41.06	6	20	48	25
Migrant	ELL	134	2460.10	45.45	9	28	38	25

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.8: Spring 2014 AZELLA Stage IV Test Results at Grade 7

			Total Combined Scale Score		*% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	3935	2476.83	46.42	6	15	41	37
Hispanic	ELL	3229	2477.11	45.67	6	15	42	37
Non-Hispanic	ELL	706	2475.55	49.75	7	17	40	36
White	ELL	2942	2476.32	46.00	6	15	42	37
Black or African American	ELL	101	2463.22	46.48	11	22	41	27
Asian	ELL	158	2476.39	55.93	11	16	36	37
American Indian or Alaskan Native	ELL	477	2478.00	42.80	5	15	43	38
Native Hawaiian or Other Pacific Islander	ELL	14	2504.86	56.82	0	7	36	57
Multiple Indication	ELL	23	2484.22	62.28	9	13	30	48
Special Education	ELL	433	2460.19	39.39	5	26	50	19
Low SES	ELL	3323	2475.62	45.48	7	15	42	36
Migrant	ELL	131	2468.47	50.58	13	16	34	37

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

Table 9.9: Spring 2014 AZELLA Stage IV Test Results at Grade 8

			Total Combined Scale Score		**% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	2317	2476.07	48.64	8	15	39	38
Hispanic	ELL	1788	2475.98	47.86	8	15	39	38
Non-Hispanic	ELL	529	2476.36	51.23	8	18	37	37
White	ELL	1651	2475.35	48.33	8	15	39	37
Black or African American	ELL	88	2463.73	49.87	11	24	33	32
Asian	ELL	139	2469.38	56.65	12	23	31	35
American Indian or Alaskan Native	ELL	287	2483.76	43.16	3	13	42	42
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*	*	*	*
Multiple Indication	ELL	8	*	*	*	*	*	*
Special Education	ELL	272	2463.81	35.00	4	24	47	24
Low SES	ELL	1903	2474.02	47.58	8	17	39	36
Migrant	ELL	81	2473.25	55.69	10	19	33	38

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.

**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.10: Spring 2014 AZELLA Stage V Test Results at Grade 9

			Total Combined Scale Score		**% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	1778	2473.91	48.94	16	29	39	16
Hispanic	ELL	1305	2473.07	49.10	16	30	39	15
Non-Hispanic	ELL	473	2476.25	48.45	16	26	40	18
White	ELL	1239	2471.72	49.17	17	30	38	15
Black or African American	ELL	95	2469.05	45.20	17	31	40	13
Asian	ELL	115	2470.56	56.25	27	19	36	18
American Indian or Alaskan Native	ELL	170	2488.94	39.82	4	26	48	22
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*	*	*	*
Multiple Indication	ELL	4	*	*	*	*	*	*
Special Education	ELL	98	2460.28	36.27	21	35	42	2
Low SES	ELL	1462	2471.96	48.59	17	30	38	15
Migrant	ELL	77	2455.97	46.42	29	38	23	10

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.

**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

Table 9.11: Spring 2014 AZELLA Stage V Test Results at Grade 10

			Total Combined Scale Score		**% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	1509	2484.06	51.24	13	24	38	25
Hispanic	ELL	1005	2484.08	51.72	13	26	36	26
Non-Hispanic	ELL	504	2484.02	50.33	14	20	42	23
White	ELL	994	2483.21	52.62	13	26	35	26
Black or African American	ELL	119	2473.43	53.76	21	19	35	24
Asian	ELL	153	2479.93	47.39	16	22	44	18
American Indian or Alaskan Native	ELL	120	2493.58	41.49	6	19	55	20
Native Hawaiian or Other Pacific Islander	ELL	11	2483.27	35.46	0	45	45	9
Multiple Indication	ELL	5	*	*	*	*	*	*
Special Education	ELL	88	2469.89	39.31	10	41	42	7
Low SES	ELL	1234	2481.97	50.98	14	25	37	24
Migrant	ELL	73	2470.78	44.50	16	33	37	14

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.

**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.12: Spring 2014 AZELLA Stage V Test Results at Grade 11

			Total Combined Scale Score		**% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	1069	2488.45	47.94	10	24	38	28
Hispanic	ELL	722	2487.49	47.56	10	25	38	27
Non-Hispanic	ELL	347	2490.46	48.73	9	22	40	29
White	ELL	679	2485.94	48.67	11	25	37	27
Black or African American	ELL	76	2491.96	43.12	5	24	42	29
Asian	ELL	129	2489.47	53.88	10	22	36	31
American Indian or Alaskan Native	ELL	88	2490.49	41.19	5	24	47	25
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*	*	*	*
Multiple Indication	ELL	4	*	*	*	*	*	*
Special Education	ELL	64	2474.23	34.13	11	27	55	8
Low SES	ELL	840	2484.88	47.37	11	26	39	25
Migrant	ELL	50	2488.64	43.20	8	26	34	32

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.

**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

Table 9.13: Spring 2014 AZELLA Stage V Test Results at Grade 12

			Total Combined Scale Score		**% at Overall Proficiency Levels			
Group	**ELL Status**	**N**	**Mean**	**SD**	**PE/E**	**B**	**I**	**P**
Total	ELL	1032	2490.34	45.02	7	24	44	24
Hispanic	ELL	681	2491.87	43.21	6	24	45	24
Non-Hispanic	ELL	351	2487.38	48.27	10	25	41	25
White	ELL	634	2489.83	44.76	8	24	44	24
Black or African American	ELL	76	2480.76	46.03	12	30	39	18
Asian	ELL	116	2490.65	49.64	9	26	39	27
American Indian or Alaskan Native	ELL	88	2492.39	44.80	6	23	49	23
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*	*	*	*
Multiple Indication	ELL	10	*	*	*	*	*	*
Special Education	ELL	59	2480.27	41.23	14	24	49	14
Low SES	ELL	765	2487.86	43.20	7	27	44	22
Migrant	ELL	50	2475.68	32.63	4	44	40	12

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.

**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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In addition to the overall test results presented above, the percentages of students in each proficiency level for domains and subdomains are also presented in Table 9.14 through Table 9.130. Each grade and domain/subdomain is presented in a separate table.

Table 9.14: Spring 2014 AZELLA Stage I Test Results on Listening at Kindergarten

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		22090	21	20	59
	ELL	10733	34	24	43
	IFEP	11357	10	16	75
Hispanic		18949	22	20	58
	ELL	9549	33	24	43
	IFEP	9400	10	16	74
Non-Hispanic		3141	20	16	64
	ELL	1184	37	22	41
	IFEP	1957	10	12	78
White		18107	21	20	59
	ELL	8859	34	24	42
	IFEP	9248	10	16	74
Black or African American		417	25	17	58
	ELL	168	43	23	34
	IFEP	249	13	13	74
Asian		1242	16	13	71
	ELL	431	34	23	43
	IFEP	811	6	8	85
American Indian or Alaskan Native		1124	26	21	53
	ELL	535	38	23	40
	IFEP	589	16	19	66
Native Hawaiian or Other Pacific Islander		79	24	22	54
	ELL	36	44	19	36
	IFEP	43	7	23	70
Multiple Indication		158	14	15	72
	ELL	32	25	19	56
	IFEP	126	11	13	75
Special Education		1120	37	23	41
	ELL	726	46	24	30
	IFEP	394	19	21	61
Low SES		18009	22	20	57
	ELL	9251	34	24	42
	IFEP	8758	10	16	73
Migrant		257	30	24	46
	ELL	183	38	26	36
	IFEP	74	9	20	70

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.15: Spring 2014 AZELLA Stage I Test Results on Speaking at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels		
			PE/E/B	I	P
Total		22090	22	18	60
	ELL	10733	34	22	44
	IFEP	11357	10	15	75
Hispanic		18949	22	19	59
	ELL	9549	34	22	43
	IFEP	9400	10	15	75
Non-Hispanic		3141	20	16	65
	ELL	1184	34	20	46
	IFEP	1957	11	13	76
White		18107	22	18	60
	ELL	8859	35	22	43
	IFEP	9248	10	15	75
Black or African American		417	15	14	71
	ELL	168	27	18	55
	IFEP	249	6	11	83
Asian		1242	20	15	65
	ELL	431	38	21	41
	IFEP	811	11	11	78
American Indian or Alaskan Native		1124	22	20	58
	ELL	535	31	23	46
	IFEP	589	14	17	68
Native Hawaiian or Other Pacific Islander		79	18	13	70
	ELL	36	28	17	56
	IFEP	43	9	9	81
Multiple Indication		158	16	15	69
	ELL	32	25	25	50
	IFEP	126	13	13	74
Special Education		1120	36	20	44
	ELL	726	47	20	33
	IFEP	394	17	20	64
Low SES		18009	23	18	59
	ELL	9251	35	22	44
	IFEP	8758	10	15	75
Migrant		257	38	22	40
	ELL	183	47	22	31
	IFEP	74	15	22	64

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.16: Spring 2014 AZELLA Stage I Test Results on Reading at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		22090	21	28	51
	ELL	10733	32	33	35
	IFEP	11357	10	23	66
Hispanic		18949	22	29	50
	ELL	9549	32	33	35
	IFEP	9400	11	25	64
Non-Hispanic		3141	17	21	62
	ELL	1184	33	30	38
	IFEP	1957	8	16	76
White		18107	21	29	50
	ELL	8859	32	33	35
	IFEP	9248	10	25	65
Black or African American		417	23	25	52
	ELL	168	42	28	30
	IFEP	249	11	23	66
Asian		1242	12	18	70
	ELL	431	29	31	41
	IFEP	811	3	11	86
American Indian or Alaskan Native		1124	24	30	46
	ELL	535	33	35	32
	IFEP	589	16	25	59
Native Hawaiian or Other Pacific Islander		79	27	19	54
	ELL	36	44	19	36
	IFEP	43	12	19	70
Multiple Indication		158	16	23	61
	ELL	32	34	28	38
	IFEP	126	11	21	67
Special Education		1120	34	32	34
	ELL	726	43	33	24
	IFEP	394	17	31	52
Low SES		18009	22	29	49
	ELL	9251	32	33	35
	IFEP	8758	11	25	64
Migrant		257	27	31	42
	ELL	183	33	34	32
	IFEP	74	11	22	68

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.17: Spring 2014 AZELLA Stage I Test Results on Writing at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		22090	24	24	52
	ELL	10733	33	26	40
	IFEP	11357	16	21	63
Hispanic		18949	25	24	50
	ELL	9549	34	26	40
	IFEP	9400	17	22	61
Non-Hispanic		3141	19	20	61
	ELL	1184	32	27	41
	IFEP	1957	12	15	73
White		18107	24	24	51
	ELL	8859	33	27	40
	IFEP	9248	16	22	62
Black or African American		417	22	25	53
	ELL	168	36	31	33
	IFEP	249	12	21	67
Asian		1242	12	15	73
	ELL	431	26	26	48
	IFEP	811	5	9	87
American Indian or Alaskan Native		1124	30	24	46
	ELL	535	37	23	40
	IFEP	589	24	25	52
Native Hawaiian or Other Pacific Islander		79	28	18	54
	ELL	36	44	19	36
	IFEP	43	14	16	70
Multiple Indication		158	19	19	62
	ELL	32	34	19	47
	IFEP	126	15	19	66
Special Education		1120	41	26	33
	ELL	726	48	25	27
	IFEP	394	28	28	44
Low SES		18009	25	24	51
	ELL	9251	33	27	40
	IFEP	8758	17	22	61
Migrant		257	31	24	46
	ELL	183	38	23	39
	IFEP	74	12	26	62

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.18: Spring 2014 AZELLA Stage I Test Results on Language at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		22090	19	25	56
	ELL	10733	32	30	38
	IFEP	11357	7	20	73
Hispanic		18949	20	26	55
	ELL	9549	32	30	38
	IFEP	9400	8	21	72
Non-Hispanic		3141	17	20	64
	ELL	1184	34	27	39
	IFEP	1957	6	15	78
White		18107	19	25	56
	ELL	8859	32	30	38
	IFEP	9248	7	20	72
Black or African American		417	17	24	58
	ELL	168	35	32	34
	IFEP	249	6	20	75
Asian		1242	13	16	71
	ELL	431	32	28	40
	IFEP	811	3	9	87
American Indian or Alaskan Native		1124	24	25	51
	ELL	535	33	29	38
	IFEP	589	16	22	63
Native Hawaiian or Other Pacific Islander		79	22	20	58
	ELL	36	39	25	36
	IFEP	43	7	16	77
Multiple Indication		158	11	24	65
	ELL	32	28	31	41
	IFEP	126	7	22	71
Special Education		1120	36	30	35
	ELL	726	47	29	24
	IFEP	394	15	30	55
Low SES		18009	20	26	54
	ELL	9251	32	30	38
	IFEP	8758	8	21	71
Migrant		257	32	27	41
	ELL	183	42	28	31
	IFEP	74	8	24	68

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.19: Spring 2014 AZELLA Stage I Test Results on Oral at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		22090	17	28	55
	ELL	10733	29	35	36
	IFEP	11357	6	21	73
Hispanic		18949	17	29	54
	ELL	9549	29	35	36
	IFEP	9400	6	22	73
Non-Hispanic		3141	15	24	61
	ELL	1184	30	33	37
	IFEP	1957	6	19	75
White		18107	17	28	55
	ELL	8859	29	35	35
	IFEP	9248	5	21	73
Black or African American		417	13	29	57
	ELL	168	27	41	32
	IFEP	249	4	21	75
Asian		1242	14	21	65
	ELL	431	32	31	37
	IFEP	811	4	15	81
American Indian or Alaskan Native		1124	18	32	50
	ELL	535	28	35	37
	IFEP	589	9	30	61
Native Hawaiian or Other Pacific Islander		79	19	20	61
	ELL	36	36	22	42
	IFEP	43	5	19	77
Multiple Indication		158	9	22	69
	ELL	32	19	34	47
	IFEP	126	6	19	75
Special Education		1120	31	34	35
	ELL	726	41	35	23
	IFEP	394	11	32	57
Low SES		18009	18	29	53
	ELL	9251	29	35	36
	IFEP	8758	6	22	72
Migrant		257	30	31	39
	ELL	183	39	31	31
	IFEP	74	8	32	59

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.20: Spring 2014 AZELLA Stage I Test Results on Comprehension at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		22090	22	21	58
	ELL	10733	35	25	40
	IFEP	11357	9	16	74
Hispanic		18949	22	21	57
	ELL	9549	34	25	40
	IFEP	9400	10	17	73
Non-Hispanic		3141	19	16	65
	ELL	1184	36	23	40
	IFEP	1957	8	12	80
White		18107	22	21	57
	ELL	8859	35	26	40
	IFEP	9248	9	17	74
Black or African American		417	25	18	57
	ELL	168	46	24	30
	IFEP	249	11	14	75
Asian		1242	14	13	73
	ELL	431	33	25	42
	IFEP	811	4	7	89
American Indian or Alaskan Native		1124	27	21	52
	ELL	535	39	24	38
	IFEP	589	16	18	66
Native Hawaiian or Other Pacific Islander		79	27	16	57
	ELL	36	42	28	31
	IFEP	43	14	7	79
Multiple Indication		158	12	18	70
	ELL	32	28	25	47
	IFEP	126	8	17	75
Special Education		1120	38	22	40
	ELL	726	49	22	29
	IFEP	394	18	22	60
Low SES		18009	22	22	56
	ELL	9251	34	25	40
	IFEP	8758	10	18	73
Migrant		257	26	30	44
	ELL	183	34	33	33
	IFEP	74	7	22	72

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.21: Spring 2014 AZELLA Stage I Test Results on Literacy at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels		
			PE/E/B	I	P
Total		22090	22	23	55
	ELL	10733	33	27	40
	IFEP	11357	11	20	68
Hispanic		18949	23	24	53
	ELL	9549	33	27	39
	IFEP	9400	12	21	67
Non-Hispanic		3141	18	17	65
	ELL	1184	35	22	43
	IFEP	1957	9	14	78
White		18107	22	24	54
	ELL	8859	33	28	39
	IFEP	9248	12	21	67
Black or African American		417	23	22	56
	ELL	168	40	25	35
	IFEP	249	11	19	70
Asian		1242	12	13	75
	ELL	431	29	23	48
	IFEP	811	3	8	89
American Indian or Alaskan Native		1124	28	22	50
	ELL	535	38	22	40
	IFEP	589	19	21	59
Native Hawaiian or Other Pacific Islander		79	29	14	57
	ELL	36	47	19	33
	IFEP	43	14	9	77
Multiple Indication		158	16	20	64
	ELL	32	34	25	41
	IFEP	126	11	19	70
Special Education		1120	38	29	33
	ELL	726	48	27	25
	IFEP	394	21	31	48
Low SES		18009	23	24	53
	ELL	9251	33	27	40
	IFEP	8758	12	21	67
Migrant		257	27	28	45
	ELL	183	35	30	35
	IFEP	74	8	22	70

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.22: Spring 2014 AZELLA Stage I Test Results on Total Combined at Kindergarten

Group	ELL Status	N	*% at Proficiency Level PE/E	B	I	P
Total		22090	4	15	25	56
	ELL	10733	8	23	31	38
	IFEP	11357	1	6	20	73
Hispanic		18949	4	15	26	55
	ELL	9549	8	23	31	38
	IFEP	9400	1	7	21	72
Non-Hispanic		3141	4	12	19	65
	ELL	1184	10	24	27	40
	IFEP	1957	1	5	15	80
White		18107	4	15	25	56
	ELL	8859	8	23	31	38
	IFEP	9248	1	6	20	73
Black or African American		417	5	14	25	57
	ELL	168	11	24	33	32
	IFEP	249	0	6	20	74
Asian		1242	3	9	15	73
	ELL	431	8	22	27	43
	IFEP	811	0	2	8	90
American Indian or Alaskan Native		1124	6	17	26	51
	ELL	535	10	22	30	38
	IFEP	589	2	12	23	63
Native Hawaiian or Other Pacific Islander		79	4	19	19	58
	ELL	36	8	36	17	39
	IFEP	43	0	5	21	74
Multiple Indication		158	1	9	25	64
	ELL	32	6	19	38	38
	IFEP	126	0	7	22	71
Special Education		1120	11	25	30	34
	ELL	726	15	32	29	23
	IFEP	394	2	12	32	54
Low SES		18009	5	15	26	54
	ELL	9251	8	23	31	38
	IFEP	8758	1	7	21	72
Migrant		257	7	23	27	43
	ELL	183	10	29	28	32
	IFEP	74	0	8	23	69

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.23: Spring 2014 AZELLA Stage II Test Results on Listening at Grade 1

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	14454	19	26	55
Hispanic	ELL	12645	19	27	55
Non-Hispanic	ELL	1809	19	24	57
White	ELL	11892	19	26	55
Black or African American	ELL	267	22	28	51
Asian	ELL	538	13	22	65
American Indian or Alaskan Native	ELL	951	21	28	52
Native Hawaiian or Other Pacific Islander	ELL	53	34	13	53
Multiple Indication	ELL	81	17	23	59
Special Education	ELL	1017	36	28	36
Low SES	ELL	12431	19	26	55
Migrant	ELL	244	24	24	52

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.24: Spring 2014 AZELLA Stage II Test Results on Speaking at Grade 1

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	14454	14	24	62
Hispanic	ELL	12645	14	24	62
Non-Hispanic	ELL	1809	15	25	60
White	ELL	11892	14	24	62
Black or African American	ELL	267	11	26	63
Asian	ELL	538	14	22	64
American Indian or Alaskan Native	ELL	951	15	27	58
Native Hawaiian or Other Pacific Islander	ELL	53	9	25	66
Multiple Indication	ELL	81	12	19	69
Special Education	ELL	1017	18	31	51
Low SES	ELL	12431	15	25	61
Migrant	ELL	244	22	28	50

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.25: Spring 2014 AZELLA Stage II Test Results on Reading at Grade 1

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	14454	23	35	41
Hispanic	ELL	12645	24	36	41
Non-Hispanic	ELL	1809	20	33	47
White	ELL	11892	24	35	41
Black or African American	ELL	267	26	30	44
Asian	ELL	538	14	27	59
American Indian or Alaskan Native	ELL	951	23	39	38
Native Hawaiian or Other Pacific Islander	ELL	53	23	32	45
Multiple Indication	ELL	81	20	37	43
Special Education	ELL	1017	37	36	27
Low SES	ELL	12431	24	36	41
Migrant	ELL	244	28	37	35

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.26: Spring 2014 AZELLA Stage II Test Results on Writing at Grade 1

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	14454	22	28	50
Hispanic	ELL	12645	22	28	49
Non-Hispanic	ELL	1809	18	27	55
White	ELL	11892	22	28	50
Black or African American	ELL	267	21	28	51
Asian	ELL	538	12	21	67
American Indian or Alaskan Native	ELL	951	22	30	47
Native Hawaiian or Other Pacific Islander	ELL	53	17	25	58
Multiple Indication	ELL	81	23	20	57
Special Education	ELL	1017	39	31	30
Low SES	ELL	12431	22	29	49
Migrant	ELL	244	28	27	45

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.27: Spring 2014 AZELLA Stage II Test Results on Language at Grade 1

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	14454	14	36	50
Hispanic	ELL	12645	14	37	49
Non-Hispanic	ELL	1809	13	31	56
White	ELL	11892	14	36	49
Black or African American	ELL	267	14	33	53
Asian	ELL	538	11	26	63
American Indian or Alaskan Native	ELL	951	14	38	48
Native Hawaiian or Other Pacific Islander	ELL	53	17	21	62
Multiple Indication	ELL	81	19	25	57
Special Education	ELL	1017	30	42	28
Low SES	ELL	12431	15	36	49
Migrant	ELL	244	23	36	41

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.28: Spring 2014 AZELLA Stage II Test Results on Oral at Grade 1

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	14454	14	31	55
Hispanic	ELL	12645	14	31	55
Non-Hispanic	ELL	1809	16	29	56
White	ELL	11892	14	31	55
Black or African American	ELL	267	16	29	55
Asian	ELL	538	13	25	62
American Indian or Alaskan Native	ELL	951	17	31	52
Native Hawaiian or Other Pacific Islander	ELL	53	17	28	55
Multiple Indication	ELL	81	12	28	59
Special Education	ELL	1017	25	38	37
Low SES	ELL	12431	14	31	55
Migrant	ELL	244	22	31	47

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.29: Spring 2014 AZELLA Stage II Test Results on Comprehension at Grade 1

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	14454	20	37	43
Hispanic	ELL	12645	21	37	42
Non-Hispanic	ELL	1809	19	32	49
White	ELL	11892	20	37	42
Black or African American	ELL	267	23	36	41
Asian	ELL	538	13	26	61
American Indian or Alaskan Native	ELL	951	23	38	39
Native Hawaiian or Other Pacific Islander	ELL	53	32	15	53
Multiple Indication	ELL	81	22	32	46
Special Education	ELL	1017	37	39	24
Low SES	ELL	12431	21	37	42
Migrant	ELL	244	26	39	36

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.30: Spring 2014 AZELLA Stage II Test Results on Literacy at Grade 1

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	14454	18	40	42
Hispanic	ELL	12645	19	40	41
Non-Hispanic	ELL	1809	15	37	48
White	ELL	11892	18	40	42
Black or African American	ELL	267	21	35	44
Asian	ELL	538	9	29	62
American Indian or Alaskan Native	ELL	951	17	46	37
Native Hawaiian or Other Pacific Islander	ELL	53	19	32	49
Multiple Indication	ELL	81	23	28	48
Special Education	ELL	1017	34	41	24
Low SES	ELL	12431	19	40	41
Migrant	ELL	244	23	44	33

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.31: Spring 2014 AZELLA Stage II Test Results on Total Combined at Grade 1

Group	ELL Status	N	*% at Proficiency Level			
			PE/E	B	I	P
Total	ELL	14454	1	12	39	47
Hispanic	ELL	12645	1	12	40	46
Non-Hispanic	ELL	1809	2	11	34	53
White	ELL	11892	1	12	40	47
Black or African American	ELL	267	4	9	39	48
Asian	ELL	538	1	9	25	65
American Indian or Alaskan Native	ELL	951	2	13	42	44
Native Hawaiian or Other Pacific Islander	ELL	53	0	15	28	57
Multiple Indication	ELL	81	1	16	28	54
Special Education	ELL	1017	4	25	46	26
Low SES	ELL	12431	2	13	40	46
Migrant	ELL	244	3	20	38	40

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.32: Spring 2014 AZELLA Stage II Test Results on Listening at Grade 2

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	13723	22	26	52
Hispanic	ELL	11998	22	26	52
Non-Hispanic	ELL	1725	25	24	52
White	ELL	11329	22	26	52
Black or African American	ELL	272	31	23	47
Asian	ELL	418	19	21	60
American Indian or Alaskan Native	ELL	1034	25	26	49
Native Hawaiian or Other Pacific Islander	ELL	37	19	27	54
Multiple Indication	ELL	74	23	24	53
Special Education	ELL	1085	38	27	35
Low SES	ELL	11755	23	26	52
Migrant	ELL	254	21	28	52

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.33: Spring 2014 AZELLA Stage II Test Results on Speaking at Grade 2

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	13723	17	34	49
Hispanic	ELL	11998	17	33	49
Non-Hispanic	ELL	1725	18	35	47
White	ELL	11329	17	34	49
Black or African American	ELL	272	17	29	54
Asian	ELL	418	18	32	50
American Indian or Alaskan Native	ELL	1034	18	38	44
Native Hawaiian or Other Pacific Islander	ELL	37	11	46	43
Multiple Indication	ELL	74	19	34	47
Special Education	ELL	1085	26	39	34
Low SES	ELL	11755	17	34	49
Migrant	ELL	254	22	33	45

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.34: Spring 2014 AZELLA Stage II Test Results on Reading at Grade 2

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	13723	21	24	55
Hispanic	ELL	11998	21	24	55
Non-Hispanic	ELL	1725	19	24	57
White	ELL	11329	21	24	55
Black or African American	ELL	272	19	26	56
Asian	ELL	418	13	20	67
American Indian or Alaskan Native	ELL	1034	21	28	51
Native Hawaiian or Other Pacific Islander	ELL	37	16	38	46
Multiple Indication	ELL	74	16	24	59
Special Education	ELL	1085	43	24	33
Low SES	ELL	11755	21	25	55
Migrant	ELL	254	27	23	50

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.35: Spring 2014 AZELLA Stage II Test Results on Writing at Grade 2

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	13723	19	24	57
Hispanic	ELL	11998	19	24	57
Non-Hispanic	ELL	1725	19	25	56
White	ELL	11329	19	24	57
Black or African American	ELL	272	21	24	56
Asian	ELL	418	11	22	67
American Indian or Alaskan Native	ELL	1034	18	31	51
Native Hawaiian or Other Pacific Islander	ELL	37	16	30	54
Multiple Indication	ELL	74	20	23	57
Special Education	ELL	1085	40	26	34
Low SES	ELL	11755	19	24	57
Migrant	ELL	254	31	19	49

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.36: Spring 2014 AZELLA Stage II Test Results on Language at Grade 2

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	13723	14	30	55
Hispanic	ELL	11998	14	30	56
Non-Hispanic	ELL	1725	16	30	54
White	ELL	11329	14	30	56
Black or African American	ELL	272	15	31	54
Asian	ELL	418	15	22	63
American Indian or Alaskan Native	ELL	1034	14	39	48
Native Hawaiian or Other Pacific Islander	ELL	37	11	32	57
Multiple Indication	ELL	74	16	28	55
Special Education	ELL	1085	31	37	31
Low SES	ELL	11755	14	30	55
Migrant	ELL	254	24	25	51

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.37: Spring 2014 AZELLA Stage II Test Results on Oral at Grade 2

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	13723	15	35	50
Hispanic	ELL	11998	15	35	50
Non-Hispanic	ELL	1725	18	35	47
White	ELL	11329	15	35	50
Black or African American	ELL	272	18	35	47
Asian	ELL	418	17	30	53
American Indian or Alaskan Native	ELL	1034	17	40	43
Native Hawaiian or Other Pacific Islander	ELL	37	16	27	57
Multiple Indication	ELL	74	16	27	57
Special Education	ELL	1085	28	41	31
Low SES	ELL	11755	16	35	49
Migrant	ELL	254	20	32	48

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.38: Spring 2014 AZELLA Stage II Test Results on Comprehension at Grade 2

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	13723	17	26	57
Hispanic	ELL	11998	17	26	57
Non-Hispanic	ELL	1725	16	26	58
White	ELL	11329	17	26	57
Black or African American	ELL	272	19	27	54
Asian	ELL	418	11	21	68
American Indian or Alaskan Native	ELL	1034	17	29	54
Native Hawaiian or Other Pacific Islander	ELL	37	19	30	51
Multiple Indication	ELL	74	16	23	61
Special Education	ELL	1085	37	29	34
Low SES	ELL	11755	17	26	57
Migrant	ELL	254	24	22	54

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.39: Spring 2014 AZELLA Stage II Test Results on Literacy at Grade 2

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	13723	17	24	59
Hispanic	ELL	11998	17	24	58
Non-Hispanic	ELL	1725	16	24	59
White	ELL	11329	17	24	58
Black or African American	ELL	272	16	25	58
Asian	ELL	418	11	20	69
American Indian or Alaskan Native	ELL	1034	17	28	55
Native Hawaiian or Other Pacific Islander	ELL	37	14	35	51
Multiple Indication	ELL	74	18	22	61
Special Education	ELL	1085	39	28	34
Low SES	ELL	11755	17	25	58
Migrant	ELL	254	28	20	52

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.40: Spring 2014 AZELLA Stage II Test Results on Total Combined at Grade 2

			*% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total	ELL	13723	4	12	31	54
Hispanic	ELL	11998	3	12	31	54
Non-Hispanic	ELL	1725	4	12	30	54
White	ELL	11329	4	12	31	54
Black or African American	ELL	272	5	12	29	54
Asian	ELL	418	5	8	23	65
American Indian or Alaskan Native	ELL	1034	3	13	36	48
Native Hawaiian or Other Pacific Islander	ELL	37	3	11	38	49
Multiple Indication	ELL	74	4	18	19	59
Special Education	ELL	1085	11	25	36	29
Low SES	ELL	11755	4	12	31	54
Migrant	ELL	254	9	15	24	51

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.41: Spring 2014 AZELLA Stage III Test Results on Listening at Grade 3

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9683	40	27	32
Hispanic	ELL	8375	41	27	32
Non-Hispanic	ELL	1308	39	26	35
White	ELL	7850	41	27	32
Black or African American	ELL	164	45	26	29
Asian	ELL	312	30	23	47
American Indian or Alaskan Native	ELL	859	43	26	31
Native Hawaiian or Other Pacific Islander	ELL	24	46	25	29
Multiple Indication	ELL	68	32	29	38
Special Education	ELL	946	60	22	18
Low SES	ELL	8286	41	27	32
Migrant	ELL	211	47	33	19

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.42: Spring 2014 AZELLA Stage III Test Results on Speaking at Grade 3

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9683	27	45	28
Hispanic	ELL	8375	26	45	29
Non-Hispanic	ELL	1308	34	43	23
White	ELL	7850	26	45	29
Black or African American	ELL	164	26	49	25
Asian	ELL	312	31	41	28
American Indian or Alaskan Native	ELL	859	36	44	19
Native Hawaiian or Other Pacific Islander	ELL	24	21	63	17
Multiple Indication	ELL	68	24	28	49
Special Education	ELL	946	41	45	15
Low SES	ELL	8286	27	45	28
Migrant	ELL	211	36	46	17

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.43: Spring 2014 AZELLA Stage III Test Results on Reading at Grade 3

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9683	41	27	32
Hispanic	ELL	8375	41	27	31
Non-Hispanic	ELL	1308	36	26	38
White	ELL	7850	41	27	32
Black or African American	ELL	164	46	25	29
Asian	ELL	312	27	25	48
American Indian or Alaskan Native	ELL	859	41	27	31
Native Hawaiian or Other Pacific Islander	ELL	24	29	21	50
Multiple Indication	ELL	68	31	28	41
Special Education	ELL	946	62	22	16
Low SES	ELL	8286	41	27	32
Migrant	ELL	211	46	32	21

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.44: Spring 2014 AZELLA Stage III Test Results on Writing at Grade 3

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9683	37	28	35
Hispanic	ELL	8375	37	28	35
Non-Hispanic	ELL	1308	35	27	37
White	ELL	7850	37	28	35
Black or African American	ELL	164	42	29	29
Asian	ELL	312	27	29	44
American Indian or Alaskan Native	ELL	859	38	31	31
Native Hawaiian or Other Pacific Islander	ELL	24	33	17	50
Multiple Indication	ELL	68	29	31	40
Special Education	ELL	946	61	24	15
Low SES	ELL	8286	37	28	35
Migrant	ELL	211	47	27	26

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.45: Spring 2014 AZELLA Stage III Test Results on Language at Grade 3

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9683	32	38	30
Hispanic	ELL	8375	32	38	31
Non-Hispanic	ELL	1308	34	37	29
White	ELL	7850	32	38	31
Black or African American	ELL	164	34	38	28
Asian	ELL	312	28	34	38
American Indian or Alaskan Native	ELL	859	38	39	23
Native Hawaiian or Other Pacific Islander	ELL	24	21	38	42
Multiple Indication	ELL	68	25	31	44
Special Education	ELL	946	58	29	13
Low SES	ELL	8286	32	38	30
Migrant	ELL	211	46	36	18

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.46: Spring 2014 AZELLA Stage III Test Results on Oral at Grade 3

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9683	32	42	26
Hispanic	ELL	8375	31	42	26
Non-Hispanic	ELL	1308	37	37	26
White	ELL	7850	32	42	26
Black or African American	ELL	164	40	36	24
Asian	ELL	312	31	37	32
American Indian or Alaskan Native	ELL	859	39	40	22
Native Hawaiian or Other Pacific Islander	ELL	24	33	42	25
Multiple Indication	ELL	68	22	38	40
Special Education	ELL	946	53	34	13
Low SES	ELL	8286	32	42	26
Migrant	ELL	211	43	41	17

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.47: Spring 2014 AZELLA Stage III Test Results on Comprehension at Grade 3

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9683	37	36	27
Hispanic	ELL	8375	37	37	26
Non-Hispanic	ELL	1308	34	35	32
White	ELL	7850	37	37	26
Black or African American	ELL	164	40	36	24
Asian	ELL	312	25	30	44
American Indian or Alaskan Native	ELL	859	38	36	25
Native Hawaiian or Other Pacific Islander	ELL	24	29	42	29
Multiple Indication	ELL	68	28	41	31
Special Education	ELL	946	60	28	12
Low SES	ELL	8286	37	37	26
Migrant	ELL	211	48	35	17

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.48: Spring 2014 AZELLA Stage III Test Results on Literacy at Grade 3

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9683	36	34	30
Hispanic	ELL	8375	36	35	29
Non-Hispanic	ELL	1308	33	31	35
White	ELL	7850	36	34	30
Black or African American	ELL	164	41	30	28
Asian	ELL	312	25	32	43
American Indian or Alaskan Native	ELL	859	36	35	28
Native Hawaiian or Other Pacific Islander	ELL	24	29	21	50
Multiple Indication	ELL	68	24	38	38
Special Education	ELL	946	61	27	12
Low SES	ELL	8286	36	35	29
Migrant	ELL	211	44	37	19

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.49: Spring 2014 AZELLA Stage III Test Results on Total Combined at Grade 3

			*% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total	ELL	9683	7	27	40	26
Hispanic	ELL	8375	7	27	40	26
Non-Hispanic	ELL	1308	8	26	39	28
White	ELL	7850	7	27	40	26
Black or African American	ELL	164	13	28	36	23
Asian	ELL	312	6	20	36	38
American Indian or Alaskan Native	ELL	859	6	31	41	22
Native Hawaiian or Other Pacific Islander	ELL	24	8	21	29	42
Multiple Indication	ELL	68	3	25	38	34
Special Education	ELL	946	16	44	30	9
Low SES	ELL	8286	7	27	40	25
Migrant	ELL	211	8	38	38	16

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.50: Spring 2014 AZELLA Stage III Test Results on Listening at Grade 4

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9244	36	29	35
Hispanic	ELL	7978	36	29	35
Non-Hispanic	ELL	1266	38	28	35
White	ELL	7271	36	29	35
Black or African American	ELL	172	44	26	31
Asian	ELL	307	32	25	43
American Indian or Alaskan Native	ELL	970	39	29	32
Native Hawaiian or Other Pacific Islander	ELL	32	41	38	22
Multiple Indication	ELL	69	29	36	35
Special Education	ELL	934	57	24	19
Low SES	ELL	7943	37	29	35
Migrant	ELL	201	47	27	26

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.51: Spring 2014 AZELLA Stage III Test Results on Speaking at Grade 4

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9244	31	34	34
Hispanic	ELL	7978	30	34	36
Non-Hispanic	ELL	1266	41	32	27
White	ELL	7271	30	35	35
Black or African American	ELL	172	36	33	31
Asian	ELL	307	36	34	29
American Indian or Alaskan Native	ELL	970	38	32	31
Native Hawaiian or Other Pacific Islander	ELL	32	31	41	28
Multiple Indication	ELL	69	20	46	33
Special Education	ELL	934	48	34	18
Low SES	ELL	7943	31	35	34
Migrant	ELL	201	44	30	25

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.52: Spring 2014 AZELLA Stage III Test Results on Reading at Grade 4

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9244	37	25	38
Hispanic	ELL	7978	37	25	38
Non-Hispanic	ELL	1266	35	23	42
White	ELL	7271	38	25	38
Black or African American	ELL	172	41	22	37
Asian	ELL	307	31	19	50
American Indian or Alaskan Native	ELL	970	36	27	37
Native Hawaiian or Other Pacific Islander	ELL	32	38	22	41
Multiple Indication	ELL	69	29	41	30
Special Education	ELL	934	66	19	16
Low SES	ELL	7943	38	25	37
Migrant	ELL	201	43	21	35

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.53: Spring 2014 AZELLA Stage III Test Results on Writing at Grade 4

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9244	35	17	48
Hispanic	ELL	7978	35	18	48
Non-Hispanic	ELL	1266	35	15	49
White	ELL	7271	35	17	48
Black or African American	ELL	172	42	17	41
Asian	ELL	307	33	15	52
American Indian or Alaskan Native	ELL	970	35	18	46
Native Hawaiian or Other Pacific Islander	ELL	32	31	13	56
Multiple Indication	ELL	69	30	25	45
Special Education	ELL	934	63	16	21
Low SES	ELL	7943	35	18	47
Migrant	ELL	201	41	13	46

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.54: Spring 2014 AZELLA Stage III Test Results on Language at Grade 4

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9244	30	28	42
Hispanic	ELL	7978	29	28	43
Non-Hispanic	ELL	1266	36	27	37
White	ELL	7271	29	28	43
Black or African American	ELL	172	38	27	35
Asian	ELL	307	34	25	41
American Indian or Alaskan Native	ELL	970	35	29	36
Native Hawaiian or Other Pacific Islander	ELL	32	25	28	47
Multiple Indication	ELL	69	23	35	42
Special Education	ELL	934	60	24	16
Low SES	ELL	7943	30	28	42
Migrant	ELL	201	40	23	37

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.55: Spring 2014 AZELLA Stage III Test Results on Oral at Grade 4

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9244	32	32	36
Hispanic	ELL	7978	31	32	37
Non-Hispanic	ELL	1266	38	32	30
White	ELL	7271	32	32	37
Black or African American	ELL	172	39	28	33
Asian	ELL	307	32	30	38
American Indian or Alaskan Native	ELL	970	37	33	30
Native Hawaiian or Other Pacific Islander	ELL	32	28	44	28
Multiple Indication	ELL	69	25	38	38
Special Education	ELL	934	55	27	18
Low SES	ELL	7943	32	32	36
Migrant	ELL	201	46	28	26

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.56: Spring 2014 AZELLA Stage III Test Results on Comprehension at Grade 4

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9244	32	30	38
Hispanic	ELL	7978	32	30	38
Non-Hispanic	ELL	1266	33	26	41
White	ELL	7271	32	30	38
Black or African American	ELL	172	38	27	34
Asian	ELL	307	30	20	50
American Indian or Alaskan Native	ELL	970	33	32	35
Native Hawaiian or Other Pacific Islander	ELL	32	28	31	41
Multiple Indication	ELL	69	23	43	33
Special Education	ELL	934	59	24	16
Low SES	ELL	7943	33	30	37
Migrant	ELL	201	39	29	32

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.57: Spring 2014 AZELLA Stage III Test Results on Literacy at Grade 4

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	9244	33	22	45
Hispanic	ELL	7978	33	22	45
Non-Hispanic	ELL	1266	34	18	48
White	ELL	7271	34	22	45
Black or African American	ELL	172	41	17	42
Asian	ELL	307	31	16	53
American Indian or Alaskan Native	ELL	970	33	24	43
Native Hawaiian or Other Pacific Islander	ELL	32	28	25	47
Multiple Indication	ELL	69	29	28	43
Special Education	ELL	934	63	18	18
Low SES	ELL	7943	34	22	44
Migrant	ELL	201	39	18	43

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.58: Spring 2014 AZELLA Stage III Test Results on Total Combined at Grade 4

Group	ELL Status	N	*% at Proficiency Level			
			PE/E	B	I	P
Total	ELL	9244	9	20	32	38
Hispanic	ELL	7978	9	20	32	38
Non-Hispanic	ELL	1266	10	22	29	38
White	ELL	7271	10	20	32	39
Black or African American	ELL	172	17	22	30	31
Asian	ELL	307	11	19	24	46
American Indian or Alaskan Native	ELL	970	6	25	34	35
Native Hawaiian or Other Pacific Islander	ELL	32	9	16	41	34
Multiple Indication	ELL	69	4	20	42	33
Special Education	ELL	934	22	39	25	14
Low SES	ELL	7943	9	21	32	38
Migrant	ELL	201	21	18	26	34

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.59: Spring 2014 AZELLA Stage III Test Results on Listening at Grade 5

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	6792	27	28	45
Hispanic	ELL	5772	27	28	44
Non-Hispanic	ELL	1020	27	27	46
White	ELL	5151	27	28	45
Black or African American	ELL	155	26	31	43
Asian	ELL	222	25	22	53
American Indian or Alaskan Native	ELL	823	29	27	44
Native Hawaiian or Other Pacific Islander	ELL	18	33	33	33
Multiple Indication	ELL	53	19	34	47
Special Education	ELL	761	40	29	31
Low SES	ELL	5855	28	28	44
Migrant	ELL	145	39	30	32

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.60: Spring 2014 AZELLA Stage III Test Results on Speaking at Grade 5

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	6792	31	25	43
Hispanic	ELL	5772	30	25	45
Non-Hispanic	ELL	1020	41	25	34
White	ELL	5151	30	25	45
Black or African American	ELL	155	33	19	48
Asian	ELL	222	41	22	37
American Indian or Alaskan Native	ELL	823	34	27	40
Native Hawaiian or Other Pacific Islander	ELL	18	61	22	17
Multiple Indication	ELL	53	36	26	38
Special Education	ELL	761	43	26	30
Low SES	ELL	5855	31	25	44
Migrant	ELL	145	43	24	32

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.61: Spring 2014 AZELLA Stage III Test Results on Reading at Grade 5

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	6792	27	23	51
Hispanic	ELL	5772	27	23	50
Non-Hispanic	ELL	1020	26	22	52
White	ELL	5151	27	23	50
Black or African American	ELL	155	30	23	48
Asian	ELL	222	25	17	58
American Indian or Alaskan Native	ELL	823	25	22	53
Native Hawaiian or Other Pacific Islander	ELL	18	50	33	17
Multiple Indication	ELL	53	28	17	55
Special Education	ELL	761	48	26	26
Low SES	ELL	5855	27	23	50
Migrant	ELL	145	34	25	41

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.62: Spring 2014 AZELLA Stage III Test Results on Writing at Grade 5

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	6792	27	15	58
Hispanic	ELL	5772	27	16	58
Non-Hispanic	ELL	1020	28	15	57
White	ELL	5151	27	16	58
Black or African American	ELL	155	33	14	53
Asian	ELL	222	27	13	59
American Indian or Alaskan Native	ELL	823	25	16	59
Native Hawaiian or Other Pacific Islander	ELL	18	61	11	28
Multiple Indication	ELL	53	28	15	57
Special Education	ELL	761	47	21	32
Low SES	ELL	5855	27	16	57
Migrant	ELL	145	38	14	48

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.63: Spring 2014 AZELLA Stage III Test Results on Language at Grade 5

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	6792	27	25	48
Hispanic	ELL	5772	26	25	49
Non-Hispanic	ELL	1020	32	26	42
White	ELL	5151	26	25	49
Black or African American	ELL	155	27	26	47
Asian	ELL	222	33	18	49
American Indian or Alaskan Native	ELL	823	27	29	44
Native Hawaiian or Other Pacific Islander	ELL	18	56	28	17
Multiple Indication	ELL	53	34	15	51
Special Education	ELL	761	50	26	24
Low SES	ELL	5855	27	25	48
Migrant	ELL	145	37	25	39

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.64: Spring 2014 AZELLA Stage III Test Results on Oral at Grade 5

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	6792	30	23	47
Hispanic	ELL	5772	29	23	47
Non-Hispanic	ELL	1020	36	21	44
White	ELL	5151	30	23	47
Black or African American	ELL	155	31	19	50
Asian	ELL	222	33	17	50
American Indian or Alaskan Native	ELL	823	33	24	43
Native Hawaiian or Other Pacific Islander	ELL	18	56	17	28
Multiple Indication	ELL	53	28	26	45
Special Education	ELL	761	46	23	32
Low SES	ELL	5855	30	23	47
Migrant	ELL	145	44	21	35

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.65: Spring 2014 AZELLA Stage III Test Results on Comprehension at Grade 5

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	6792	27	22	52
Hispanic	ELL	5772	27	22	51
Non-Hispanic	ELL	1020	26	21	52
White	ELL	5151	26	22	51
Black or African American	ELL	155	28	22	50
Asian	ELL	222	26	14	59
American Indian or Alaskan Native	ELL	823	26	23	51
Native Hawaiian or Other Pacific Islander	ELL	18	50	22	28
Multiple Indication	ELL	53	25	23	53
Special Education	ELL	761	48	24	28
Low SES	ELL	5855	27	22	51
Migrant	ELL	145	37	21	42

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.66: Spring 2014 AZELLA Stage III Test Results on Literacy at Grade 5

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	6792	27	21	52
Hispanic	ELL	5772	27	21	52
Non-Hispanic	ELL	1020	27	20	53
White	ELL	5151	27	21	52
Black or African American	ELL	155	30	23	48
Asian	ELL	222	28	13	59
American Indian or Alaskan Native	ELL	823	25	22	53
Native Hawaiian or Other Pacific Islander	ELL	18	50	33	17
Multiple Indication	ELL	53	32	11	57
Special Education	ELL	761	51	22	26
Low SES	ELL	5855	27	21	52
Migrant	ELL	145	37	23	41

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.67: Spring 2014 AZELLA Stage III Test Results on Total Combined at Grade 5

			*% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total	ELL	6792	9	17	24	50
Hispanic	ELL	5772	9	17	24	50
Non-Hispanic	ELL	1020	11	17	24	48
White	ELL	5151	9	17	24	50
Black or African American	ELL	155	15	12	27	46
Asian	ELL	222	15	13	16	56
American Indian or Alaskan Native	ELL	823	6	19	26	49
Native Hawaiian or Other Pacific Islander	ELL	18	22	28	39	11
Multiple Indication	ELL	53	9	19	17	55
Special Education	ELL	761	15	34	27	24
Low SES	ELL	5855	9	18	24	50
Migrant	ELL	145	14	25	21	41

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.68: Spring 2014 AZELLA Stage IV Test Results on Listening at Grade 6

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	4571	28	28	44
Hispanic	ELL	3791	28	28	44
Non-Hispanic	ELL	780	31	26	43
White	ELL	3462	28	28	44
Black or African American	ELL	119	33	25	42
Asian	ELL	153	34	17	49
American Indian or Alaskan Native	ELL	534	29	29	42
Native Hawaiian or Other Pacific Islander	ELL	13	15	38	46
Multiple Indication	ELL	30	23	47	30
Special Education	ELL	579	39	28	33
Low SES	ELL	3871	28	28	43
Migrant	ELL	134	31	25	44

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.69: Spring 2014 AZELLA Stage IV Test Results on Speaking at Grade 6

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	4571	23	25	51
Hispanic	ELL	3791	22	25	53
Non-Hispanic	ELL	780	29	27	44
White	ELL	3462	23	25	52
Black or African American	ELL	119	21	26	53
Asian	ELL	153	40	28	32
American Indian or Alaskan Native	ELL	534	23	26	51
Native Hawaiian or Other Pacific Islander	ELL	13	23	31	46
Multiple Indication	ELL	30	23	20	57
Special Education	ELL	579	26	30	45
Low SES	ELL	3871	23	26	51
Migrant	ELL	134	30	28	43

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.70: Spring 2014 AZELLA Stage IV Test Results on Reading at Grade 6

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	4571	34	28	38
Hispanic	ELL	3791	34	29	37
Non-Hispanic	ELL	780	33	26	40
White	ELL	3462	34	29	37
Black or African American	ELL	119	41	24	34
Asian	ELL	153	35	20	45
American Indian or Alaskan Native	ELL	534	34	31	35
Native Hawaiian or Other Pacific Islander	ELL	13	15	46	38
Multiple Indication	ELL	30	37	20	43
Special Education	ELL	579	54	26	20
Low SES	ELL	3871	35	28	37
Migrant	ELL	134	39	24	37

*****PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.71: Spring 2014 AZELLA Stage IV Test Results on Writing at Grade 6

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	4571	30	26	44
Hispanic	ELL	3791	30	26	44
Non-Hispanic	ELL	780	30	23	47
White	ELL	3462	31	26	44
Black or African American	ELL	119	34	24	42
Asian	ELL	153	37	18	44
American Indian or Alaskan Native	ELL	534	26	28	46
Native Hawaiian or Other Pacific Islander	ELL	13	8	23	69
Multiple Indication	ELL	30	30	23	47
Special Education	ELL	579	47	29	24
Low SES	ELL	3871	31	26	43
Migrant	ELL	134	36	26	38

*****PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.72: Spring 2014 AZELLA Stage IV Test Results on Language at Grade 6

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	4571	25	27	48
Hispanic	ELL	3791	24	27	49
Non-Hispanic	ELL	780	29	27	43
White	ELL	3462	24	27	49
Black or African American	ELL	119	31	18	50
Asian	ELL	153	40	25	35
American Indian or Alaskan Native	ELL	534	24	30	47
Native Hawaiian or Other Pacific Islander	ELL	13	15	15	69
Multiple Indication	ELL	30	20	23	57
Special Education	ELL	579	38	34	28
Low SES	ELL	3871	25	27	48
Migrant	ELL	134	31	27	43

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.73: Spring 2014 AZELLA Stage IV Test Results on Oral at Grade 6

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	4571	25	30	45
Hispanic	ELL	3791	24	30	45
Non-Hispanic	ELL	780	32	28	40
White	ELL	3462	25	30	45
Black or African American	ELL	119	28	26	46
Asian	ELL	153	41	23	36
American Indian or Alaskan Native	ELL	534	26	31	43
Native Hawaiian or Other Pacific Islander	ELL	13	23	15	62
Multiple Indication	ELL	30	20	37	43
Special Education	ELL	579	34	33	33
Low SES	ELL	3871	25	30	44
Migrant	ELL	134	33	26	41

*****PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.74: Spring 2014 AZELLA Stage IV Test Results on Comprehension at Grade 6

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	4571	32	26	42
Hispanic	ELL	3791	32	27	41
Non-Hispanic	ELL	780	34	23	43
White	ELL	3462	32	27	41
Black or African American	ELL	119	40	17	43
Asian	ELL	153	38	13	49
American Indian or Alaskan Native	ELL	534	31	29	40
Native Hawaiian or Other Pacific Islander	ELL	13	15	46	38
Multiple Indication	ELL	30	27	37	37
Special Education	ELL	579	50	26	24
Low SES	ELL	3871	32	27	41
Migrant	ELL	134	37	23	40

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.75: Spring 2014 AZELLA Stage IV Test Results on Literacy at Grade 6

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	4571	28	30	42
Hispanic	ELL	3791	28	30	42
Non-Hispanic	ELL	780	29	25	46
White	ELL	3462	28	30	42
Black or African American	ELL	119	35	24	40
Asian	ELL	153	33	20	47
American Indian or Alaskan Native	ELL	534	27	31	42
Native Hawaiian or Other Pacific Islander	ELL	13	0	31	69
Multiple Indication	ELL	30	27	33	40
Special Education	ELL	579	48	31	21
Low SES	ELL	3871	28	30	41
Migrant	ELL	134	31	33	36

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.76: Spring 2014 AZELLA Stage IV Test Results on Total Combined at Grade 6

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total	ELL	4571	7	20	32	42
Hispanic	ELL	3791	6	19	32	42
Non-Hispanic	ELL	780	8	22	27	43
White	ELL	3462	7	19	32	42
Black or African American	ELL	119	12	18	30	40
Asian	ELL	153	11	27	17	45
American Indian or Alaskan Native	ELL	534	3	23	34	40
Native Hawaiian or Other Pacific Islander	ELL	13	0	8	38	54
Multiple Indication	ELL	30	10	17	27	47
Special Education	ELL	579	8	36	35	21
Low SES	ELL	3871	6	20	32	42
Migrant	ELL	134	9	28	24	39

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.77: Spring 2014 AZELLA Stage IV Test Results on Listening at Grade 7

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	3935	23	24	53
Hispanic	ELL	3229	22	24	54
Non-Hispanic	ELL	706	26	25	49
White	ELL	2942	23	24	53
Black or African American	ELL	101	36	23	42
Asian	ELL	158	20	26	54
American Indian or Alaskan Native	ELL	477	25	26	48
Native Hawaiian or Other Pacific Islander	ELL	14	0	21	79
Multiple Indication	ELL	23	13	26	61
Special Education	ELL	433	30	31	39
Low SES	ELL	3323	23	25	52
Migrant	ELL	131	28	19	53

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.78: Spring 2014 AZELLA Stage IV Test Results on Speaking at Grade 7

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	3935	24	23	54
Hispanic	ELL	3229	23	22	55
Non-Hispanic	ELL	706	28	24	49
White	ELL	2942	23	23	54
Black or African American	ELL	101	26	28	47
Asian	ELL	158	36	18	46
American Indian or Alaskan Native	ELL	477	22	23	55
Native Hawaiian or Other Pacific Islander	ELL	14	7	36	57
Multiple Indication	ELL	23	48	17	35
Special Education	ELL	433	26	30	44
Low SES	ELL	3323	24	23	53
Migrant	ELL	131	31	24	44

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.79: Spring 2014 AZELLA Stage IV Test Results on Reading at Grade 7

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	3935	26	25	49
Hispanic	ELL	3229	26	25	50
Non-Hispanic	ELL	706	29	24	47
White	ELL	2942	26	25	49
Black or African American	ELL	101	37	22	42
Asian	ELL	158	31	23	46
American Indian or Alaskan Native	ELL	477	25	26	49
Native Hawaiian or Other Pacific Islander	ELL	14	7	14	79
Multiple Indication	ELL	23	30	17	52
Special Education	ELL	433	38	30	33
Low SES	ELL	3323	26	25	48
Migrant	ELL	131	31	21	49

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.80: Spring 2014 AZELLA Stage IV Test Results on Writing at Grade 7

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	3935	24	21	55
Hispanic	ELL	3229	24	21	55
Non-Hispanic	ELL	706	26	18	55
White	ELL	2942	24	21	54
Black or African American	ELL	101	36	21	44
Asian	ELL	158	27	22	51
American Indian or Alaskan Native	ELL	477	22	18	59
Native Hawaiian or Other Pacific Islander	ELL	14	7	21	71
Multiple Indication	ELL	23	17	9	74
Special Education	ELL	433	36	26	38
Low SES	ELL	3323	24	22	54
Migrant	ELL	131	33	21	46

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.81: Spring 2014 AZELLA Stage IV Test Results on Language at Grade 7

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	3935	21	23	55
Hispanic	ELL	3229	21	23	57
Non-Hispanic	ELL	706	24	27	49
White	ELL	2942	21	23	56
Black or African American	ELL	101	29	27	45
Asian	ELL	158	28	24	48
American Indian or Alaskan Native	ELL	477	19	26	56
Native Hawaiian or Other Pacific Islander	ELL	14	14	14	71
Multiple Indication	ELL	23	22	30	48
Special Education	ELL	433	27	36	37
Low SES	ELL	3323	21	23	55
Migrant	ELL	131	29	25	46

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.82: Spring 2014 AZELLA Stage IV Test Results on Oral at Grade 7

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	3935	23	25	52
Hispanic	ELL	3229	22	25	53
Non-Hispanic	ELL	706	27	27	46
White	ELL	2942	22	25	52
Black or African American	ELL	101	32	31	38
Asian	ELL	158	27	27	47
American Indian or Alaskan Native	ELL	477	24	27	49
Native Hawaiian or Other Pacific Islander	ELL	14	7	14	79
Multiple Indication	ELL	23	35	9	57
Special Education	ELL	433	29	35	37
Low SES	ELL	3323	23	25	52
Migrant	ELL	131	33	19	48

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.83: Spring 2014 AZELLA Stage IV Test Results on Comprehension at Grade 7

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	3935	24	22	54
Hispanic	ELL	3229	24	22	54
Non-Hispanic	ELL	706	27	23	50
White	ELL	2942	24	23	53
Black or African American	ELL	101	35	21	45
Asian	ELL	158	28	19	53
American Indian or Alaskan Native	ELL	477	24	23	52
Native Hawaiian or Other Pacific Islander	ELL	14	7	14	79
Multiple Indication	ELL	23	30	13	57
Special Education	ELL	433	36	28	36
Low SES	ELL	3323	25	23	53
Migrant	ELL	131	27	21	51

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.84: Spring 2014 AZELLA Stage IV Test Results on Literacy at Grade 7

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	3935	22	22	55
Hispanic	ELL	3229	21	23	56
Non-Hispanic	ELL	706	26	19	55
White	ELL	2942	22	23	55
Black or African American	ELL	101	32	23	46
Asian	ELL	158	28	18	54
American Indian or Alaskan Native	ELL	477	21	20	59
Native Hawaiian or Other Pacific Islander	ELL	14	7	14	79
Multiple Indication	ELL	23	13	22	65
Special Education	ELL	433	34	31	35
Low SES	ELL	3323	22	23	55
Migrant	ELL	131	27	23	50

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.85: Spring 2014 AZELLA Stage IV Test Results on Total Combined at Grade 7

Group	ELL Status	N	*% at Proficiency Level PE/E	B	I	P
Total	ELL	3935	6	15	24	54
Hispanic	ELL	3229	6	15	24	55
Non-Hispanic	ELL	706	7	17	27	49
White	ELL	2942	6	15	24	55
Black or African American	ELL	101	11	22	26	42
Asian	ELL	158	11	16	23	49
American Indian or Alaskan Native	ELL	477	5	15	28	53
Native Hawaiian or Other Pacific Islander	ELL	14	0	7	14	79
Multiple Indication	ELL	23	9	13	22	57
Special Education	ELL	433	5	26	35	34
Low SES	ELL	3323	7	15	25	54
Migrant	ELL	131	13	16	22	49

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.86: Spring 2014 AZELLA Stage IV Test Results on Listening at Grade 8

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	2317	23	25	52
Hispanic	ELL	1788	23	24	53
Non-Hispanic	ELL	529	23	27	50
White	ELL	1651	23	24	53
Black or African American	ELL	88	35	25	40
Asian	ELL	139	25	22	53
American Indian or Alaskan Native	ELL	287	19	29	52
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*
Multiple Indication	ELL	8	*	*	*
Special Education	ELL	272	26	31	42
Low SES	ELL	1903	24	25	51
Migrant	ELL	81	26	17	57

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.87: Spring 2014 AZELLA Stage IV Test Results on Speaking at Grade 8

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	2317	31	23	46
Hispanic	ELL	1788	30	22	48
Non-Hispanic	ELL	529	34	25	41
White	ELL	1651	30	23	47
Black or African American	ELL	88	41	23	36
Asian	ELL	139	44	27	29
American Indian or Alaskan Native	ELL	287	26	24	49
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*
Multiple Indication	ELL	8	*	*	*
Special Education	ELL	272	25	24	51
Low SES	ELL	1903	32	23	45
Migrant	ELL	81	43	15	42

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.88: Spring 2014 AZELLA Stage IV Test Results on Reading at Grade 8

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	2317	27	23	50
Hispanic	ELL	1788	27	23	50
Non-Hispanic	ELL	529	28	21	51
White	ELL	1651	27	24	49
Black or African American	ELL	88	39	22	40
Asian	ELL	139	30	22	48
American Indian or Alaskan Native	ELL	287	24	21	55
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*
Multiple Indication	ELL	8	*	*	*
Special Education	ELL	272	39	26	35
Low SES	ELL	1903	28	23	49
Migrant	ELL	81	27	20	53

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.89: Spring 2014 AZELLA Stage IV Test Results on Writing at Grade 8

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	2317	24	20	56
Hispanic	ELL	1788	24	19	56
Non-Hispanic	ELL	529	25	21	54
White	ELL	1651	25	19	55
Black or African American	ELL	88	31	22	48
Asian	ELL	139	32	20	47
American Indian or Alaskan Native	ELL	287	15	24	61
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*
Multiple Indication	ELL	8	*	*	*
Special Education	ELL	272	32	24	44
Low SES	ELL	1903	25	21	54
Migrant	ELL	81	31	14	56

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.90: Spring 2014 AZELLA Stage IV Test Results on Language at Grade 8

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	2317	24	23	53
Hispanic	ELL	1788	23	22	54
Non-Hispanic	ELL	529	25	25	50
White	ELL	1651	24	22	54
Black or African American	ELL	88	31	24	45
Asian	ELL	139	40	17	44
American Indian or Alaskan Native	ELL	287	15	29	56
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*
Multiple Indication	ELL	8	*	*	*
Special Education	ELL	272	24	35	41
Low SES	ELL	1903	25	23	52
Migrant	ELL	81	30	27	43

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.91: Spring 2014 AZELLA Stage IV Test Results on Oral at Grade 8

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	2317	28	25	48
Hispanic	ELL	1788	27	24	49
Non-Hispanic	ELL	529	28	27	45
White	ELL	1651	27	24	49
Black or African American	ELL	88	40	27	33
Asian	ELL	139	35	20	45
American Indian or Alaskan Native	ELL	287	21	29	50
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*
Multiple Indication	ELL	8	*	*	*
Special Education	ELL	272	28	30	43
Low SES	ELL	1903	29	24	47
Migrant	ELL	81	36	19	46

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.92: Spring 2014 AZELLA Stage IV Test Results on Comprehension at Grade 8

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	2317	25	21	54
Hispanic	ELL	1788	25	21	55
Non-Hispanic	ELL	529	25	21	53
White	ELL	1651	25	21	54
Black or African American	ELL	88	36	19	44
Asian	ELL	139	26	27	47
American Indian or Alaskan Native	ELL	287	22	18	60
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*
Multiple Indication	ELL	8	*	*	*
Special Education	ELL	272	35	26	40
Low SES	ELL	1903	26	21	53
Migrant	ELL	81	27	20	53

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.93: Spring 2014 AZELLA Stage IV Test Results on Literacy at Grade 8

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	2317	22	23	55
Hispanic	ELL	1788	22	23	55
Non-Hispanic	ELL	529	22	21	57
White	ELL	1651	22	23	54
Black or African American	ELL	88	31	22	48
Asian	ELL	139	29	21	50
American Indian or Alaskan Native	ELL	287	14	23	64
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*
Multiple Indication	ELL	8	*	*	*
Special Education	ELL	272	29	33	39
Low SES	ELL	1903	23	24	53
Migrant	ELL	81	27	21	52

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.94: Spring 2014 AZELLA Stage IV Test Results on Total Combined at Grade 8

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total	ELL	2317	8	15	24	52
Hispanic	ELL	1788	8	15	25	52
Non-Hispanic	ELL	529	8	18	22	52
White	ELL	1651	8	15	25	52
Black or African American	ELL	88	11	24	24	41
Asian	ELL	139	12	23	17	48
American Indian or Alaskan Native	ELL	287	3	13	24	60
Native Hawaiian or Other Pacific Islander	ELL	8	*	*	*	*
Multiple Indication	ELL	8	*	*	*	*
Special Education	ELL	272	4	24	35	36
Low SES	ELL	1903	8	17	25	50
Migrant	ELL	81	10	19	25	47

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.

**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.95: Spring 2014 AZELLA Stage V Test Results on Listening at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1778	50	22	28
Hispanic	ELL	1305	52	21	27
Non-Hispanic	ELL	473	46	26	28
White	ELL	1239	53	21	26
Black or African American	ELL	95	57	24	19
Asian	ELL	115	48	24	28
American Indian or Alaskan Native	ELL	170	35	29	36
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	98	59	17	23
Low SES	ELL	1462	52	21	26
Migrant	ELL	77	70	17	13

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.96: Spring 2014 AZELLA Stage V Test Results on Speaking at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1778	38	23	40
Hispanic	ELL	1305	39	22	39
Non-Hispanic	ELL	473	35	24	41
White	ELL	1239	40	23	38
Black or African American	ELL	95	39	23	38
Asian	ELL	115	48	21	31
American Indian or Alaskan Native	ELL	170	19	25	55
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	98	32	33	36
Low SES	ELL	1462	39	22	39
Migrant	ELL	77	53	23	23

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.97: Spring 2014 AZELLA Stage V Test Results on Reading at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1778	44	27	29
Hispanic	ELL	1305	44	28	28
Non-Hispanic	ELL	473	45	25	30
White	ELL	1239	46	27	27
Black or African American	ELL	95	43	32	25
Asian	ELL	115	43	25	32
American Indian or Alaskan Native	ELL	170	39	27	34
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	98	59	28	13
Low SES	ELL	1462	46	28	27
Migrant	ELL	77	53	27	19

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.98: Spring 2014 AZELLA Stage V Test Results on Writing at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1778	44	28	28
Hispanic	ELL	1305	45	28	27
Non-Hispanic	ELL	473	40	27	32
White	ELL	1239	46	27	27
Black or African American	ELL	95	48	24	27
Asian	ELL	115	42	24	34
American Indian or Alaskan Native	ELL	170	29	35	36
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	98	58	30	12
Low SES	ELL	1462	45	28	27
Migrant	ELL	77	62	21	17

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.99: Spring 2014 AZELLA Stage V Test Results on Language at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1778	44	26	30
Hispanic	ELL	1305	46	26	29
Non-Hispanic	ELL	473	39	28	33
White	ELL	1239	47	25	28
Black or African American	ELL	95	45	24	31
Asian	ELL	115	45	29	26
American Indian or Alaskan Native	ELL	170	25	33	42
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	98	59	23	17
Low SES	ELL	1462	46	26	28
Migrant	ELL	77	68	19	13

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.100: Spring 2014 AZELLA Stage V Test Results on Oral at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1778	42	26	32
Hispanic	ELL	1305	43	25	31
Non-Hispanic	ELL	473	39	28	33
White	ELL	1239	45	25	30
Black or African American	ELL	95	46	31	23
Asian	ELL	115	46	23	31
American Indian or Alaskan Native	ELL	170	22	34	44
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	98	42	29	30
Low SES	ELL	1462	44	26	30
Migrant	ELL	77	69	13	18

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.101: Spring 2014 AZELLA Stage V Test Results on Comprehension at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1778	49	24	28
Hispanic	ELL	1305	49	25	27
Non-Hispanic	ELL	473	48	21	30
White	ELL	1239	51	23	25
Black or African American	ELL	95	55	25	20
Asian	ELL	115	44	22	34
American Indian or Alaskan Native	ELL	170	38	27	35
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	98	60	30	10
Low SES	ELL	1462	51	24	26
Migrant	ELL	77	64	18	18

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.102: Spring 2014 AZELLA Stage V Test Results on Literacy at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1778	46	29	26
Hispanic	ELL	1305	47	29	25
Non-Hispanic	ELL	473	43	28	29
White	ELL	1239	48	28	24
Black or African American	ELL	95	47	29	23
Asian	ELL	115	43	27	30
American Indian or Alaskan Native	ELL	170	34	33	33
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	98	64	27	9
Low SES	ELL	1462	47	29	24
Migrant	ELL	77	61	21	18

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.103: Spring 2014 AZELLA Stage V Test Results on Total Combined at Grade 9

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total	ELL	1778	16	29	29	26
Hispanic	ELL	1305	16	30	29	25
Non-Hispanic	ELL	473	16	26	29	29
White	ELL	1239	17	30	29	24
Black or African American	ELL	95	17	31	29	23
Asian	ELL	115	27	19	23	30
American Indian or Alaskan Native	ELL	170	4	26	35	35
Native Hawaiian or Other Pacific Islander	ELL	10	*	*	*	*
Multiple Indication	ELL	4	*	*	*	*
Special Education	ELL	98	21	35	31	13
Low SES	ELL	1462	17	30	29	24
Migrant	ELL	77	29	38	18	16

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.

**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.104: Spring 2014 AZELLA Stage V Test Results on Listening at Grade 10

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1509	44	23	33
Hispanic	ELL	1005	44	23	33
Non-Hispanic	ELL	504	43	24	33
White	ELL	994	45	24	31
Black or African American	ELL	119	53	26	21
Asian	ELL	153	46	23	31
American Indian or Alaskan Native	ELL	120	32	24	44
Native Hawaiian or Other Pacific Islander	ELL	11	55	18	27
Multiple Indication	ELL	5	*	*	*
Special Education	ELL	88	49	26	25
Low SES	ELL	1234	45	24	31
Migrant	ELL	73	64	15	21

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.105: Spring 2014 AZELLA Stage V Test Results on Speaking at Grade 10

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1509	34	26	41
Hispanic	ELL	1005	34	24	42
Non-Hispanic	ELL	504	34	28	39
White	ELL	994	35	24	41
Black or African American	ELL	119	38	31	31
Asian	ELL	153	39	27	34
American Indian or Alaskan Native	ELL	120	27	28	46
Native Hawaiian or Other Pacific Islander	ELL	11	45	18	36
Multiple Indication	ELL	5	*	*	*
Special Education	ELL	88	23	34	43
Low SES	ELL	1234	35	25	40
Migrant	ELL	73	49	18	33

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.106: Spring 2014 AZELLA Stage V Test Results on Reading at Grade 10

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1509	36	27	37
Hispanic	ELL	1005	37	25	38
Non-Hispanic	ELL	504	35	31	34
White	ELL	994	38	25	38
Black or African American	ELL	119	39	30	31
Asian	ELL	153	37	31	32
American Indian or Alaskan Native	ELL	120	30	33	38
Native Hawaiian or Other Pacific Islander	ELL	11	27	55	18
Multiple Indication	ELL	5	*	*	*
Special Education	ELL	88	59	22	19
Low SES	ELL	1234	37	27	36
Migrant	ELL	73	41	27	32

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.107: Spring 2014 AZELLA Stage V Test Results on Writing at Grade 10

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1509	36	26	37
Hispanic	ELL	1005	38	26	36
Non-Hispanic	ELL	504	33	26	41
White	ELL	994	38	26	36
Black or African American	ELL	119	38	19	43
Asian	ELL	153	37	25	39
American Indian or Alaskan Native	ELL	120	28	35	38
Native Hawaiian or Other Pacific Islander	ELL	11	9	55	36
Multiple Indication	ELL	5	*	*	*
Special Education	ELL	88	45	36	18
Low SES	ELL	1234	38	26	36
Migrant	ELL	73	42	34	23

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.108: Spring 2014 AZELLA Stage V Test Results on Language at Grade 10

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1509	37	25	38
Hispanic	ELL	1005	38	25	38
Non-Hispanic	ELL	504	35	26	38
White	ELL	994	39	24	37
Black or African American	ELL	119	42	16	42
Asian	ELL	153	41	25	33
American Indian or Alaskan Native	ELL	120	24	38	38
Native Hawaiian or Other Pacific Islander	ELL	11	36	27	36
Multiple Indication	ELL	5	*	*	*
Special Education	ELL	88	35	36	28
Low SES	ELL	1234	38	25	37
Migrant	ELL	73	47	32	22

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.109: Spring 2014 AZELLA Stage V Test Results on Oral at Grade 10

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1509	36	26	38
Hispanic	ELL	1005	36	25	40
Non-Hispanic	ELL	504	36	29	35
White	ELL	994	38	25	38
Black or African American	ELL	119	45	29	27
Asian	ELL	153	40	31	29
American Indian or Alaskan Native	ELL	120	24	32	44
Native Hawaiian or Other Pacific Islander	ELL	11	45	18	36
Multiple Indication	ELL	5	*	*	*
Special Education	ELL	88	34	31	35
Low SES	ELL	1234	38	26	37
Migrant	ELL	73	52	27	21

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.110: Spring 2014 AZELLA Stage V Test Results on Comprehension at Grade 10

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1509	40	25	35
Hispanic	ELL	1005	41	23	36
Non-Hispanic	ELL	504	38	28	34
White	ELL	994	41	24	35
Black or African American	ELL	119	47	29	24
Asian	ELL	153	42	27	31
American Indian or Alaskan Native	ELL	120	30	23	47
Native Hawaiian or Other Pacific Islander	ELL	11	36	45	18
Multiple Indication	ELL	5	*	*	*
Special Education	ELL	88	59	18	23
Low SES	ELL	1234	42	24	34
Migrant	ELL	73	47	36	18

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.111: Spring 2014 AZELLA Stage V Test Results on Literacy at Grade 10

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1509	37	29	35
Hispanic	ELL	1005	38	27	35
Non-Hispanic	ELL	504	34	33	34
White	ELL	994	39	26	35
Black or African American	ELL	119	39	30	31
Asian	ELL	153	37	33	30
American Indian or Alaskan Native	ELL	120	28	36	36
Native Hawaiian or Other Pacific Islander	ELL	11	9	64	27
Multiple Indication	ELL	5	*	*	*
Special Education	ELL	88	55	32	14
Low SES	ELL	1234	38	29	33
Migrant	ELL	73	45	27	27

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.112: Spring 2014 AZELLA Stage V Test Results on Total Combined at Grade 10

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total	ELL	1509	13	24	29	34
Hispanic	ELL	1005	13	26	27	34
Non-Hispanic	ELL	504	14	20	33	33
White	ELL	994	13	26	28	33
Black or African American	ELL	119	21	19	32	28
Asian	ELL	153	16	22	35	27
American Indian or Alaskan Native	ELL	120	6	19	34	41
Native Hawaiian or Other Pacific Islander	ELL	11	0	45	18	36
Multiple Indication	ELL	5	*	*	*	*
Special Education	ELL	88	10	41	31	18
Low SES	ELL	1234	14	25	29	32
Migrant	ELL	73	16	33	33	18

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.

**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.113: Spring 2014 AZELLA Stage V Test Results on Listening at Grade 11

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1069	41	26	33
Hispanic	ELL	722	42	26	32
Non-Hispanic	ELL	347	39	27	34
White	ELL	679	44	26	30
Black or African American	ELL	76	42	20	38
Asian	ELL	129	43	23	33
American Indian or Alaskan Native	ELL	88	32	38	31
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	64	47	22	31
Low SES	ELL	840	43	26	30
Migrant	ELL	50	54	16	30

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.114: Spring 2014 AZELLA Stage V Test Results on Speaking at Grade 11

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1069	32	25	44
Hispanic	ELL	722	32	25	43
Non-Hispanic	ELL	347	31	24	45
White	ELL	679	33	25	42
Black or African American	ELL	76	26	26	47
Asian	ELL	129	39	28	33
American Indian or Alaskan Native	ELL	88	23	19	58
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	64	25	27	48
Low SES	ELL	840	33	24	43
Migrant	ELL	50	28	28	44

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.115: Spring 2014 AZELLA Stage V Test Results on Reading at Grade 11

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1069	34	25	41
Hispanic	ELL	722	34	25	41
Non-Hispanic	ELL	347	34	25	41
White	ELL	679	34	24	42
Black or African American	ELL	76	28	30	42
Asian	ELL	129	38	19	43
American Indian or Alaskan Native	ELL	88	36	28	35
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	64	48	28	23
Low SES	ELL	840	37	25	38
Migrant	ELL	50	30	18	52

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.116: Spring 2014 AZELLA Stage V Test Results on Writing at Grade 11

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1069	31	29	41
Hispanic	ELL	722	32	29	39
Non-Hispanic	ELL	347	28	27	45
White	ELL	679	34	28	38
Black or African American	ELL	76	26	29	45
Asian	ELL	129	27	21	52
American Indian or Alaskan Native	ELL	88	26	39	35
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	64	41	39	20
Low SES	ELL	840	32	29	39
Migrant	ELL	50	26	28	46

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.117: Spring 2014 AZELLA Stage V Test Results on Language at Grade 11

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1069	33	29	38
Hispanic	ELL	722	34	29	37
Non-Hispanic	ELL	347	31	29	40
White	ELL	679	37	28	35
Black or African American	ELL	76	32	17	51
Asian	ELL	129	33	29	38
American Indian or Alaskan Native	ELL	88	24	38	39
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	64	30	41	30
Low SES	ELL	840	35	29	36
Migrant	ELL	50	30	32	38

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.118: Spring 2014 AZELLA Stage V Test Results on Oral at Grade 11

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1069	34	27	39
Hispanic	ELL	722	34	28	38
Non-Hispanic	ELL	347	34	25	41
White	ELL	679	36	28	36
Black or African American	ELL	76	36	21	43
Asian	ELL	129	38	28	34
American Indian or Alaskan Native	ELL	88	26	27	47
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	64	27	39	34
Low SES	ELL	840	37	26	37
Migrant	ELL	50	44	22	34

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.119: Spring 2014 AZELLA Stage V Test Results on Comprehension at Grade 11

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1069	38	24	39
Hispanic	ELL	722	39	24	37
Non-Hispanic	ELL	347	36	22	42
White	ELL	679	40	23	37
Black or African American	ELL	76	34	21	45
Asian	ELL	129	42	16	43
American Indian or Alaskan Native	ELL	88	34	30	36
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	64	45	36	19
Low SES	ELL	840	40	24	36
Migrant	ELL	50	38	20	42

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.120: Spring 2014 AZELLA Stage V Test Results on Literacy at Grade 11

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1069	33	29	38
Hispanic	ELL	722	34	29	37
Non-Hispanic	ELL	347	30	31	39
White	ELL	679	35	27	38
Black or African American	ELL	76	26	36	38
Asian	ELL	129	30	29	41
American Indian or Alaskan Native	ELL	88	32	39	30
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*
Multiple Indication	ELL	4	*	*	*
Special Education	ELL	64	53	31	16
Low SES	ELL	840	35	31	35
Migrant	ELL	50	30	30	40

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.121: Spring 2014 AZELLA Stage V Test Results on Total Combined at Grade 11

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total	ELL	1069	10	24	29	37
Hispanic	ELL	722	10	25	30	35
Non-Hispanic	ELL	347	9	22	28	41
White	ELL	679	11	25	28	36
Black or African American	ELL	76	5	24	24	47
Asian	ELL	129	10	22	27	40
American Indian or Alaskan Native	ELL	88	5	24	39	33
Native Hawaiian or Other Pacific Islander	ELL	3	*	*	*	*
Multiple Indication	ELL	4	*	*	*	*
Special Education	ELL	64	11	27	45	17
Low SES	ELL	840	11	26	30	34
Migrant	ELL	50	8	26	26	40

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.

**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

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Table 9.122: Spring 2014 AZELLA Stage V Test Results on Listening at Grade 12

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1032	38	28	34
Hispanic	ELL	681	37	27	36
Non-Hispanic	ELL	351	40	31	29
White	ELL	634	38	27	36
Black or African American	ELL	76	42	34	24
Asian	ELL	116	45	28	27
American Indian or Alaskan Native	ELL	88	31	39	31
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*
Multiple Indication	ELL	10	*	*	*
Special Education	ELL	59	32	27	41
Low SES	ELL	765	41	28	32
Migrant	ELL	50	52	32	16

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.123: Spring 2014 AZELLA Stage V Test Results on Speaking at Grade 12

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1032	28	28	44
Hispanic	ELL	681	28	27	44
Non-Hispanic	ELL	351	29	28	43
White	ELL	634	30	28	42
Black or African American	ELL	76	21	33	46
Asian	ELL	116	37	33	30
American Indian or Alaskan Native	ELL	88	24	24	52
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*
Multiple Indication	ELL	10	*	*	*
Special Education	ELL	59	22	41	37
Low SES	ELL	765	30	28	42
Migrant	ELL	50	40	24	36

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.124: Spring 2014 AZELLA Stage V Test Results on Reading at Grade 12

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1032	32	28	39
Hispanic	ELL	681	29	30	41
Non-Hispanic	ELL	351	38	26	36
White	ELL	634	32	29	39
Black or African American	ELL	76	47	22	30
Asian	ELL	116	31	27	42
American Indian or Alaskan Native	ELL	88	35	30	35
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*
Multiple Indication	ELL	10	*	*	*
Special Education	ELL	59	42	27	31
Low SES	ELL	765	34	29	38
Migrant	ELL	50	36	32	32

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.125: Spring 2014 AZELLA Stage V Test Results on Writing at Grade 12

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1032	30	32	38
Hispanic	ELL	681	29	33	38
Non-Hispanic	ELL	351	32	30	38
White	ELL	634	30	31	39
Black or African American	ELL	76	43	25	32
Asian	ELL	116	27	36	37
American Indian or Alaskan Native	ELL	88	28	30	42
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*
Multiple Indication	ELL	10	*	*	*
Special Education	ELL	59	51	29	20
Low SES	ELL	765	32	32	37
Migrant	ELL	50	38	38	24

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.126: Spring 2014 AZELLA Stage V Test Results on Language at Grade 12

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1032	30	33	37
Hispanic	ELL	681	28	34	38
Non-Hispanic	ELL	351	32	31	37
White	ELL	634	30	34	35
Black or African American	ELL	76	33	37	30
Asian	ELL	116	32	34	34
American Indian or Alaskan Native	ELL	88	27	25	48
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*
Multiple Indication	ELL	10	*	*	*
Special Education	ELL	59	37	34	29
Low SES	ELL	765	31	34	35
Migrant	ELL	50	38	40	22

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.127: Spring 2014 AZELLA Stage V Test Results on Oral at Grade 12

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1032	30	32	38
Hispanic	ELL	681	29	31	40
Non-Hispanic	ELL	351	32	33	35
White	ELL	634	32	29	39
Black or African American	ELL	76	28	43	29
Asian	ELL	116	38	33	29
American Indian or Alaskan Native	ELL	88	23	34	43
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*
Multiple Indication	ELL	10	*	*	*
Special Education	ELL	59	27	29	44
Low SES	ELL	765	32	32	36
Migrant	ELL	50	48	34	18

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.128: Spring 2014 AZELLA Stage V Test Results on Comprehension at Grade 12

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1032	36	25	39
Hispanic	ELL	681	34	25	41
Non-Hispanic	ELL	351	39	27	34
White	ELL	634	36	25	39
Black or African American	ELL	76	47	26	26
Asian	ELL	116	38	22	41
American Indian or Alaskan Native	ELL	88	33	33	34
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*
Multiple Indication	ELL	10	*	*	*
Special Education	ELL	59	37	27	36
Low SES	ELL	765	38	25	36
Migrant	ELL	50	50	28	22

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table 9.129: Spring 2014 AZELLA Stage V Test Results on Literacy at Grade 12

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total	ELL	1032	32	32	36
Hispanic	ELL	681	30	33	37
Non-Hispanic	ELL	351	36	30	34
White	ELL	634	31	33	36
Black or African American	ELL	76	47	24	29
Asian	ELL	116	33	28	40
American Indian or Alaskan Native	ELL	88	31	31	39
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*
Multiple Indication	ELL	10	*	*	*
Special Education	ELL	59	46	34	20
Low SES	ELL	765	34	33	33
Migrant	ELL	50	48	30	22

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

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Table 9.130: Spring 2014 AZELLA Stage V Test Results on Total Combined at Grade 12

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total	ELL	1032	7	24	33	35
Hispanic	ELL	681	6	24	34	36
Non-Hispanic	ELL	351	10	25	32	33
White	ELL	634	8	24	34	34
Black or African American	ELL	76	12	30	33	25
Asian	ELL	116	9	26	28	38
American Indian or Alaskan Native	ELL	88	6	23	36	35
Native Hawaiian or Other Pacific Islander	ELL	5	*	*	*	*
Multiple Indication	ELL	10	*	*	*	*
Special Education	ELL	59	14	24	41	22
Low SES	ELL	765	7	27	35	32
Migrant	ELL	50	4	44	36	16

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
**PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

In addition to the proficiency level distributions for Total Combined scores, domain, and subdomain scores presented above, raw score and scale score distributions for Total Combined score are presented the Stages I through V assessments by grade in Table 9.131 through Table 9.143. In the score distribution tables, raw score, scale score, frequency of students who obtained the scale score (Freq.), percent of student who obtained the scale score (%), cumulative frequency (Cum. Freq.), and cumulative percent (Cum. %) are presented for the total group of students. For the Stages I through V assessments, the lowest scale scores for the Basic, Intermediate, and Proficient level are in bold. Note that the scale scores in bold may not be exact proficiency level cuts. For the exact proficiency level cuts for the Stages I through V assessments, please refer to Table 11.1 and Table 11.2, respectively.

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Table 9.131: Spring 2014 AZELLA Stage I Reassessment Form Frequency Distribution at Kindergarten

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2363	793	3.59	15305	69.28
1	2000	0	0.00	0	0.00	51	2370	821	3.72	16126	73.00
2	2020	0	0.00	0	0.00	52	2377	815	3.69	16941	76.69
3	2052	2	0.01	2	0.01	53	2385	802	3.63	17743	80.32
4	2076	0	0.00	2	0.01	54	2393	737	3.34	18480	83.66
5	2094	2	0.01	4	0.02	55	2402	714	3.23	19194	86.89
6	2109	5	0.02	9	0.04	56	2412	687	3.11	19881	90.00
7	2122	0	0.00	9	0.04	57	2423	557	2.52	20438	92.52
8	2133	2	0.01	11	0.05	58	2436	491	2.22	20929	94.74
9	2144	3	0.01	14	0.06	59	2450	418	1.89	21347	96.64
10	2153	13	0.06	27	0.12	60	2467	321	1.45	21668	98.09
11	2161	16	0.07	43	0.19	61	2489	213	0.96	21881	99.05
12	2169	11	0.05	54	0.24	62	2518	130	0.59	22011	99.64
13	2176	19	0.09	73	0.33	63	2565	63	0.29	22074	99.93
14	2183	29	0.13	102	0.46	64	3000	16	0.07	22090	100.00
15	2189	36	0.16	138	0.62						
16	2195	29	0.13	167	0.76						
17	2201	40	0.18	207	0.94						
18	2207	66	0.30	273	1.24						
19	2212	76	0.34	349	1.58						
20	2217	78	0.35	427	1.93						
21	2222	93	0.42	520	2.35						
22	2227	118	0.53	638	2.89						
23	2232	164	0.74	802	3.63						
24	2237	170	0.77	972	4.40						
25	**2241**	**194**	**0.88**	**1166**	**5.28**						
26	2246	217	0.98	1383	6.26						
27	2250	248	1.12	1631	7.38						
28	2255	273	1.24	1904	8.62						
29	2259	301	1.36	2205	9.98						
30	2263	302	1.37	2507	11.35						
31	2268	381	1.72	2888	13.07						
32	2272	386	1.75	3274	14.82						
33	2276	425	1.92	3699	16.75						
34	2281	484	2.19	4183	18.94						
35	**2285**	**488**	**2.21**	**4671**	**21.15**						
36	2290	503	2.28	5174	23.42						
37	2294	601	2.72	5775	26.14						
38	2299	552	2.50	6327	28.64						
39	2303	611	2.77	6938	31.41						
40	2308	657	2.97	7595	34.38						
41	2313	680	3.08	8275	37.46						
42	2318	678	3.07	8953	40.53						
43	2323	730	3.30	9683	43.83						
44	**2328**	**754**	**3.41**	**10437**	**47.25**						
45	2333	802	3.63	11239	50.88						
46	2338	848	3.84	12087	54.72						
47	2344	828	3.75	12915	58.47						
48	2350	800	3.62	13715	62.09						
49	2356	797	3.61	14512	65.69						

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Table 9.132: Spring 2014 AZELLA Stage II Reassessment Form Frequency Distribution at Grade 1

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2317	83	0.57	791	5.47
1	2038	0	0.00	0	0.00	51	2319	95	0.66	886	6.13
2	2083	0	0.00	0	0.00	52	2321	124	0.86	1010	6.99
3	2110	0	0.00	0	0.00	53	2323	101	0.70	1111	7.69
4	2129	0	0.00	0	0.00	54	2325	94	0.65	1205	8.34
5	2144	0	0.00	0	0.00	55	2327	114	0.79	1319	9.13
6	2157	0	0.00	0	0.00	56	2329	124	0.86	1443	9.98
7	2167	0	0.00	0	0.00	57	2331	133	0.92	1576	10.90
8	2177	0	0.00	0	0.00	58	2333	146	1.01	1722	11.91
9	2185	0	0.00	0	0.00	59	2335	143	0.99	1865	12.90
10	2192	0	0.00	0	0.00	60	2337	130	0.90	1995	13.80
11	2199	0	0.00	0	0.00	**61**	**2339**	**163**	**1.13**	**2158**	**14.93**
12	2205	0	0.00	0	0.00	62	2341	183	1.27	2341	16.20
13	2211	0	0.00	0	0.00	63	2343	165	1.14	2506	17.34
14	2216	0	0.00	0	0.00	64	2345	196	1.36	2702	18.69
15	2221	0	0.00	0	0.00	65	2347	239	1.65	2941	20.35
16	2226	0	0.00	0	0.00	66	2349	226	1.56	3167	21.91
17	2230	0	0.00	0	0.00	67	2351	213	1.47	3380	23.38
18	2234	2	0.01	2	0.01	68	2353	247	1.71	3627	25.09
19	2238	1	0.01	3	0.02	69	2355	262	1.81	3889	26.91
20	2242	2	0.01	5	0.03	70	2357	267	1.85	4156	28.75
21	2246	0	0.00	5	0.03	71	2359	257	1.78	4413	30.53
22	2249	3	0.02	8	0.06	72	2361	254	1.76	4667	32.29
23	2252	0	0.00	8	0.06	73	2363	286	1.98	4953	34.27
24	2256	2	0.01	10	0.07	74	2365	293	2.03	5246	36.29
25	2259	5	0.03	15	0.10	75	2367	249	1.72	5495	38.02
26	2262	3	0.02	18	0.12	76	2369	288	1.99	5783	40.01
27	2265	4	0.03	22	0.15	77	2371	278	1.92	6061	41.93
28	2267	5	0.03	27	0.19	78	2373	280	1.94	6341	43.87
29	2270	9	0.06	36	0.25	79	2375	259	1.79	6600	45.66
30	2273	13	0.09	49	0.34	80	2377	249	1.72	6849	47.38
31	2275	9	0.06	58	0.40	81	2379	261	1.81	7110	49.19
32	2278	10	0.07	68	0.47	82	2381	254	1.76	7364	50.95
33	2280	6	0.04	74	0.51	83	2383	262	1.81	7626	52.76
34	2283	16	0.11	90	0.62	**84**	**2385**	**245**	**1.70**	**7871**	**54.46**
35	2285	24	0.17	114	0.79	85	2387	255	1.76	8126	56.22
36	2287	21	0.15	135	0.93	86	2389	241	1.67	8367	57.89
37	2290	17	0.12	152	1.05	87	2391	232	1.61	8599	59.49
38	2292	33	0.23	185	1.28	88	2393	242	1.67	8841	61.17
39	2294	27	0.19	212	1.47	89	2394	239	1.65	9080	62.82
40	**2296**	**26**	**0.18**	**238**	**1.65**	90	2396	223	1.54	9303	64.36
41	2299	34	0.24	272	1.88	91	2398	253	1.75	9556	66.11
42	2301	35	0.24	307	2.12	92	2400	226	1.56	9782	67.68
43	2303	40	0.28	347	2.40	93	2402	215	1.49	9997	69.16
44	2305	63	0.44	410	2.84	94	2404	180	1.25	10177	70.41
45	2307	49	0.34	459	3.18	95	2406	194	1.34	10371	71.75
46	2309	46	0.32	505	3.49	96	2408	195	1.35	10566	73.10
47	2311	62	0.43	567	3.92	97	2410	185	1.28	10751	74.38
48	2313	61	0.42	628	4.34	98	2412	196	1.36	10947	75.74
49	2315	80	0.55	708	4.90	99	2414	188	1.30	11135	77.04

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Table 9.132: Spring 2014 AZELLA Stage II Reassessment Form Frequency Distribution at Grade 1

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2416	176	1.22	11311	78.26						
101	2418	176	1.22	11487	79.47						
102	2420	167	1.16	11654	80.63						
103	2422	191	1.32	11845	81.95						
104	2425	175	1.21	12020	83.16						
105	2427	159	1.10	12179	84.26						
106	2429	151	1.04	12330	85.31						
107	2431	149	1.03	12479	86.34						
108	2433	147	1.02	12626	87.35						
109	2435	131	0.91	12757	88.26						
110	2437	134	0.93	12891	89.19						
111	2440	110	0.76	13001	89.95						
112	2442	114	0.79	13115	90.74						
113	2444	101	0.70	13216	91.43						
114	2447	104	0.72	13320	92.15						
115	2449	99	0.68	13419	92.84						
116	2451	105	0.73	13524	93.57						
117	2454	97	0.67	13621	94.24						
118	2456	99	0.68	13720	94.92						
119	2459	76	0.53	13796	95.45						
120	2461	87	0.60	13883	96.05						
121	2464	58	0.40	13941	96.45						
122	2467	65	0.45	14006	96.90						
123	2470	50	0.35	14056	97.25						
124	2473	54	0.37	14110	97.62						
125	2476	52	0.36	14162	97.98						
126	2479	51	0.35	14213	98.33						
127	2482	38	0.26	14251	98.60						
128	2486	27	0.19	14278	98.78						
129	2489	38	0.26	14316	99.05						
130	2493	26	0.18	14342	99.23						
131	2497	14	0.10	14356	99.32						
132	2501	16	0.11	14372	99.43						
133	2506	16	0.11	14388	99.54						
134	2511	16	0.11	14404	99.65						
135	2516	11	0.08	14415	99.73						
136	2521	13	0.09	14428	99.82						
137	2527	7	0.05	14435	99.87						
138	2534	6	0.04	14441	99.91						
139	2541	5	0.03	14446	99.94						
140	2549	3	0.02	14449	99.97						
141	2558	2	0.01	14451	99.98						
142	2568	3	0.02	14454	100.00						
143	2581	0	0.00	14454	100.00						
144	2596	0	0.00	14454	100.00						
145	2615	0	0.00	14454	100.00						
146	2641	0	0.00	14454	100.00						
147	2686	0	0.00	14454	100.00						
148	3000	0	0.00	14454	100.00						

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Table 9.133: Spring 2014 AZELLA Stage II Reassessment Form Frequency Distribution at Grade 2

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %		Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	0	50	2317	22	0.16	199	1.45
1	2038	0	0.00	0	0.00	1	51	2319	14	0.10	213	1.55
2	2083	0	0.00	0	0.00	2	52	2321	23	0.17	236	1.72
3	2110	0	0.00	0	0.00	3	53	2323	22	0.16	258	1.88
4	2129	0	0.00	0	0.00	4	54	2325	28	0.20	286	2.08
5	2144	0	0.00	0	0.00	5	55	2327	22	0.16	308	2.24
6	2157	0	0.00	0	0.00	6	56	2329	26	0.19	334	2.43
7	2167	0	0.00	0	0.00	7	57	2331	36	0.26	370	2.70
8	2177	0	0.00	0	0.00	8	58	2333	32	0.23	402	2.93
9	2185	0	0.00	0	0.00	9	59	2335	42	0.31	444	3.24
10	2192	0	0.00	0	0.00	10	60	2337	38	0.28	482	3.51
11	2199	0	0.00	0	0.00	11	**61**	**2339**	**28**	**0.20**	**510**	**3.72**
12	2205	0	0.00	0	0.00	12	62	2341	41	0.30	551	4.02
13	2211	0	0.00	0	0.00	13	63	2343	35	0.26	586	4.27
14	2216	0	0.00	0	0.00	14	64	2345	44	0.32	630	4.59
15	2221	1	0.01	1	0.01	15	65	2347	61	0.44	691	5.04
16	2226	0	0.00	1	0.01	16	66	2349	50	0.36	741	5.40
17	2230	0	0.00	1	0.01	17	67	2351	59	0.43	800	5.83
18	2234	0	0.00	1	0.01	18	68	2353	49	0.36	849	6.19
19	2238	0	0.00	1	0.01	19	69	2355	67	0.49	916	6.67
20	2242	0	0.00	1	0.01	20	70	2357	67	0.49	983	7.16
21	2246	1	0.01	2	0.01	21	71	2359	68	0.50	1051	7.66
22	2249	0	0.00	2	0.01	22	72	2361	70	0.51	1121	8.17
23	2252	0	0.00	2	0.01	23	73	2363	82	0.60	1203	8.77
24	2256	2	0.01	4	0.03	24	74	2365	75	0.55	1278	9.31
25	2259	1	0.01	5	0.04	25	75	2367	82	0.60	1360	9.91
26	2262	2	0.01	7	0.05	26	76	2369	94	0.68	1454	10.60
27	2265	1	0.01	8	0.06	27	77	2371	100	0.73	1554	11.32
28	2267	4	0.03	12	0.09	28	78	2373	87	0.63	1641	11.96
29	2270	0	0.00	12	0.09	29	79	2375	123	0.90	1764	12.85
30	2273	2	0.01	14	0.10	30	80	2377	101	0.74	1865	13.59
31	2275	1	0.01	15	0.11	31	81	2379	116	0.85	1981	14.44
32	2278	3	0.02	18	0.13	32	82	2381	144	1.05	2125	15.48
33	2280	4	0.03	22	0.16	33	**83**	**2383**	**122**	**0.89**	**2247**	**16.37**
34	2283	4	0.03	26	0.19	34	84	2385	137	1.00	2384	17.37
35	2285	2	0.01	28	0.20	35	85	2387	149	1.09	2533	18.46
36	2287	5	0.04	33	0.24	36	86	2389	151	1.10	2684	19.56
37	2290	4	0.03	37	0.27	37	87	2391	155	1.13	2839	20.69
38	2292	5	0.04	42	0.31	38	88	2393	163	1.19	3002	21.88
39	2294	7	0.05	49	0.36	39	89	2394	151	1.10	3153	22.98
40	2296	6	0.04	55	0.40	40	90	2396	142	1.03	3295	24.01
41	2299	7	0.05	62	0.45	41	91	2398	161	1.17	3456	25.18
42	2301	12	0.09	74	0.54	42	92	2400	199	1.45	3655	26.63
43	2303	12	0.09	86	0.63	43	93	2402	174	1.27	3829	27.90
44	2305	9	0.07	95	0.69	44	94	2404	169	1.23	3998	29.13
45	2307	9	0.07	104	0.76	45	95	2406	190	1.38	4188	30.52
46	2309	8	0.06	112	0.82	46	96	2408	205	1.49	4393	32.01
47	2311	18	0.13	130	0.95	47	97	2410	190	1.38	4583	33.40
48	2313	22	0.16	152	1.11	48	98	2412	182	1.33	4765	34.72
49	2315	25	0.18	177	1.29	49	99	2414	184	1.34	4949	36.06

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Table 9.133: Spring 2014 AZELLA Stage II Reassessment Form Frequency Distribution at Grade 2

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2416	222	1.62	5171	37.68						
101	2418	230	1.68	5401	39.36						
102	2420	228	1.66	5629	41.02						
103	2422	202	1.47	5831	42.49						
104	2425	222	1.62	6053	44.11						
105	2427	260	1.89	6313	46.00						
106	**2429**	**221**	**1.61**	**6534**	**47.61**						
107	2431	245	1.79	6779	49.40						
108	2433	255	1.86	7034	51.26						
109	2435	249	1.81	7283	53.07						
110	2437	256	1.87	7539	54.94						
111	2440	251	1.83	7790	56.77						
112	2442	252	1.84	8042	58.60						
113	2444	249	1.81	8291	60.42						
114	2447	271	1.97	8562	62.39						
115	2449	291	2.12	8853	64.51						
116	2451	289	2.11	9142	66.62						
117	2454	266	1.94	9408	68.56						
118	2456	274	2.00	9682	70.55						
119	2459	283	2.06	9965	72.62						
120	2461	276	2.01	10241	74.63						
121	2464	282	2.05	10523	76.68						
122	2467	249	1.81	10772	78.50						
123	2470	278	2.03	11050	80.52						
124	2473	239	1.74	11289	82.26						
125	2476	238	1.73	11527	84.00						
126	2479	215	1.57	11742	85.56						
127	2482	229	1.67	11971	87.23						
128	2486	217	1.58	12188	88.81						
129	2489	203	1.48	12391	90.29						
130	2493	183	1.33	12574	91.63						
131	2497	172	1.25	12746	92.88						
132	2501	153	1.11	12899	94.00						
133	2506	134	0.98	13033	94.97						
134	2511	160	1.17	13193	96.14						
135	2516	96	0.70	13289	96.84						
136	2521	107	0.78	13396	97.62						
137	2527	54	0.39	13450	98.01						
138	2534	77	0.56	13527	98.57						
139	2541	62	0.45	13589	99.02						
140	2549	40	0.29	13629	99.32						
141	2558	37	0.27	13666	99.58						
142	2568	17	0.12	13683	99.71						
143	2581	15	0.11	13698	99.82						
144	2596	15	0.11	13713	99.93						
145	2615	3	0.02	13716	99.95						
146	2641	3	0.02	13719	99.97						
147	2686	4	0.03	13723	100.00						
148	3000	0	0.00	13723	100.00						

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Table 9.134: Spring 2014 AZELLA Stage III Reassessment Form Frequency Distribution at Grade 3

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2355	31	0.32	401	4.14
1	2089	0	0.00	0	0.00	51	2357	38	0.39	439	4.53
2	2134	1	0.01	1	0.01	52	2359	38	0.39	477	4.93
3	2161	0	0.00	1	0.01	53	2361	44	0.45	521	5.38
4	2180	0	0.00	1	0.01	54	2363	50	0.52	571	5.90
5	2195	0	0.00	1	0.01	55	2365	40	0.41	611	6.31
6	2207	0	0.00	1	0.01	56	2366	36	0.37	647	6.68
7	2217	0	0.00	1	0.01	57	2368	40	0.41	687	7.09
8	2226	0	0.00	1	0.01	**58**	**2370**	**49**	**0.51**	**736**	**7.60**
9	2234	0	0.00	1	0.01	59	2372	53	0.55	789	8.15
10	2241	0	0.00	1	0.01	60	2373	58	0.60	847	8.75
11	2248	1	0.01	2	0.02	61	2375	68	0.70	915	9.45
12	2253	1	0.01	3	0.03	62	2377	70	0.72	985	10.17
13	2259	1	0.01	4	0.04	63	2379	77	0.80	1062	10.97
14	2264	0	0.00	4	0.04	64	2380	70	0.72	1132	11.69
15	2268	0	0.00	4	0.04	65	2382	97	1.00	1229	12.69
16	2272	0	0.00	4	0.04	66	2384	68	0.70	1297	13.39
17	2276	0	0.00	4	0.04	67	2385	84	0.87	1381	14.26
18	2280	1	0.01	5	0.05	68	2387	91	0.94	1472	15.20
19	2284	1	0.01	6	0.06	69	2389	91	0.94	1563	16.14
20	2287	1	0.01	7	0.07	70	2390	94	0.97	1657	17.11
21	2291	0	0.00	7	0.07	71	2392	103	1.06	1760	18.18
22	2294	4	0.04	11	0.11	72	2394	109	1.13	1869	19.30
23	2297	2	0.02	13	0.13	73	2396	127	1.31	1996	20.61
24	2300	5	0.05	18	0.19	74	2397	117	1.21	2113	21.82
25	2302	5	0.05	23	0.24	75	2399	115	1.19	2228	23.01
26	2305	5	0.05	28	0.29	76	2401	133	1.37	2361	24.38
27	2308	6	0.06	34	0.35	77	2402	119	1.23	2480	25.61
28	2310	4	0.04	38	0.39	78	2404	134	1.38	2614	27.00
29	2313	3	0.03	41	0.42	79	2406	139	1.44	2753	28.43
30	2315	7	0.07	48	0.50	80	2407	142	1.47	2895	29.90
31	2317	7	0.07	55	0.57	81	2409	152	1.57	3047	31.47
32	2320	10	0.10	65	0.67	82	2411	134	1.38	3181	32.85
33	2322	6	0.06	71	0.73	83	2413	130	1.34	3311	34.19
34	2324	8	0.08	79	0.82	**84**	**2414**	**166**	**1.71**	**3477**	**35.91**
35	2326	6	0.06	85	0.88	85	2416	142	1.47	3619	37.37
36	2328	9	0.09	94	0.97	86	2418	133	1.37	3752	38.75
37	2330	16	0.17	110	1.14	87	2420	159	1.64	3911	40.39
38	2332	17	0.18	127	1.31	88	2421	170	1.76	4081	42.15
39	2334	10	0.10	137	1.41	89	2423	167	1.72	4248	43.87
40	2336	21	0.22	158	1.63	90	2425	184	1.90	4432	45.77
41	2338	16	0.17	174	1.80	91	2427	172	1.78	4604	47.55
42	2340	17	0.18	191	1.97	92	2428	180	1.86	4784	49.41
43	2342	23	0.24	214	2.21	93	2430	174	1.80	4958	51.20
44	2344	23	0.24	237	2.45	94	2432	180	1.86	5138	53.06
45	2346	31	0.32	268	2.77	95	2434	168	1.73	5306	54.80
46	2348	22	0.23	290	2.99	96	2436	165	1.70	5471	56.50
47	2350	29	0.30	319	3.29	97	2438	151	1.56	5622	58.06
48	2352	24	0.25	343	3.54	98	2440	168	1.73	5790	59.80
49	2354	27	0.28	370	3.82	99	2441	209	2.16	5999	61.95

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Table 9.134: Spring 2014 AZELLA Stage III Reassessment Form Frequency Distribution at Grade 3

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2443	171	1.77	6170	63.72	150	2597	2	0.02	9680	99.97
101	2445	164	1.69	6334	65.41	151	2603	1	0.01	9681	99.98
102	2447	176	1.82	6510	67.23	152	2610	1	0.01	9682	99.99
103	2449	161	1.66	6671	68.89	153	2617	0	0.00	9682	99.99
104	2451	168	1.73	6839	70.63	154	2625	0	0.00	9682	99.99
105	2453	171	1.77	7010	72.39	155	2633	0	0.00	9682	99.99
106	2455	168	1.73	7178	74.13	156	2643	1	0.01	9683	100.00
107	**2457**	**168**	**1.73**	**7346**	**75.86**	157	2653	0	0.00	9683	100.00
108	2459	152	1.57	7498	77.43	158	2665	0	0.00	9683	100.00
109	2461	141	1.46	7639	78.89	159	2679	0	0.00	9683	100.00
110	2464	161	1.66	7800	80.55	160	2695	0	0.00	9683	100.00
111	2466	138	1.43	7938	81.98	161	2716	0	0.00	9683	100.00
112	2468	131	1.35	8069	83.33	162	2745	0	0.00	9683	100.00
113	2470	118	1.22	8187	84.55	163	2792	0	0.00	9683	100.00
114	2472	134	1.38	8321	85.93	164	3000	0	0.00	9683	100.00
115	2475	105	1.08	8426	87.02						
116	2477	123	1.27	8549	88.29						
117	2479	86	0.89	8635	89.18						
118	2482	113	1.17	8748	90.34						
119	2484	95	0.98	8843	91.33						
120	2487	95	0.98	8938	92.31						
121	2489	74	0.76	9012	93.07						
122	2492	85	0.88	9097	93.95						
123	2494	66	0.68	9163	94.63						
124	2497	71	0.73	9234	95.36						
125	2500	53	0.55	9287	95.91						
126	2502	60	0.62	9347	96.53						
127	2505	31	0.32	9378	96.85						
128	2508	44	0.45	9422	97.30						
129	2511	30	0.31	9452	97.61						
130	2514	42	0.43	9494	98.05						
131	2517	27	0.28	9521	98.33						
132	2520	35	0.36	9556	98.69						
133	2523	18	0.19	9574	98.87						
134	2527	19	0.20	9593	99.07						
135	2530	14	0.14	9607	99.22						
136	2533	18	0.19	9625	99.40						
137	2537	9	0.09	9634	99.49						
138	2541	10	0.10	9644	99.60						
139	2544	4	0.04	9648	99.64						
140	2548	8	0.08	9656	99.72						
141	2552	4	0.04	9660	99.76						
142	2556	4	0.04	9664	99.80						
143	2561	3	0.03	9667	99.83						
144	2565	1	0.01	9668	99.85						
145	2570	3	0.03	9671	99.88						
146	2575	2	0.02	9673	99.90						
147	2580	2	0.02	9675	99.92						
148	2585	2	0.02	9677	99.94						
149	2591	1	0.01	9678	99.95						

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Table 9.135: Spring 2014 AZELLA Stage III Reassessment Form Frequency Distribution at Grade 4

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2355	22	0.24	278	3.01
1	2089	0	0.00	0	0.00	51	2357	19	0.21	297	3.21
2	2134	0	0.00	0	0.00	52	2359	19	0.21	316	3.42
3	2161	0	0.00	0	0.00	53	2361	15	0.16	331	3.58
4	2180	1	0.01	1	0.01	54	2363	14	0.15	345	3.73
5	2195	0	0.00	1	0.01	55	2365	20	0.22	365	3.95
6	2207	0	0.00	1	0.01	56	2366	27	0.29	392	4.24
7	2217	0	0.00	1	0.01	57	2368	21	0.23	413	4.47
8	2226	0	0.00	1	0.01	58	2370	33	0.36	446	4.82
9	2234	0	0.00	1	0.01	59	2372	26	0.28	472	5.11
10	2241	1	0.01	2	0.02	60	2373	27	0.29	499	5.40
11	2248	0	0.00	2	0.02	61	2375	23	0.25	522	5.65
12	2253	0	0.00	2	0.02	62	2377	33	0.36	555	6.00
13	2259	0	0.00	2	0.02	63	2379	36	0.39	591	6.39
14	2264	0	0.00	2	0.02	64	2380	26	0.28	617	6.67
15	2268	1	0.01	3	0.03	65	2382	35	0.38	652	7.05
16	2272	1	0.01	4	0.04	66	2384	37	0.40	689	7.45
17	2276	1	0.01	5	0.05	67	2385	47	0.51	736	7.96
18	2280	1	0.01	6	0.06	68	2387	34	0.37	770	8.33
19	2284	1	0.01	7	0.08	69	2389	52	0.56	822	8.89
20	2287	2	0.02	9	0.10	70	2390	44	0.48	866	9.37
21	2291	0	0.00	9	0.10	**71**	**2392**	**59**	**0.64**	**925**	**10.01**
22	2294	1	0.01	10	0.11	72	2394	51	0.55	976	10.56
23	2297	3	0.03	13	0.14	73	2396	57	0.62	1033	11.17
24	2300	6	0.06	19	0.21	74	2397	53	0.57	1086	11.75
25	2302	1	0.01	20	0.22	75	2399	68	0.74	1154	12.48
26	2305	4	0.04	24	0.26	76	2401	45	0.49	1199	12.97
27	2308	3	0.03	27	0.29	77	2402	64	0.69	1263	13.66
28	2310	2	0.02	29	0.31	78	2404	77	0.83	1340	14.50
29	2313	7	0.08	36	0.39	79	2406	55	0.59	1395	15.09
30	2315	9	0.10	45	0.49	80	2407	66	0.71	1461	15.80
31	2317	4	0.04	49	0.53	81	2409	84	0.91	1545	16.71
32	2320	4	0.04	53	0.57	82	2411	83	0.90	1628	17.61
33	2322	10	0.11	63	0.68	83	2413	75	0.81	1703	18.42
34	2324	14	0.15	77	0.83	84	2414	88	0.95	1791	19.37
35	2326	6	0.06	83	0.90	85	2416	77	0.83	1868	20.21
36	2328	8	0.09	91	0.98	86	2418	89	0.96	1957	21.17
37	2330	6	0.06	97	1.05	87	2420	68	0.74	2025	21.91
38	2332	9	0.10	106	1.15	88	2421	97	1.05	2122	22.96
39	2334	14	0.15	120	1.30	89	2423	83	0.90	2205	23.85
40	2336	8	0.09	128	1.38	90	2425	94	1.02	2299	24.87
41	2338	17	0.18	145	1.57	91	2427	99	1.07	2398	25.94
42	2340	5	0.05	150	1.62	92	2428	112	1.21	2510	27.15
43	2342	10	0.11	160	1.73	93	2430	103	1.11	2613	28.27
44	2344	14	0.15	174	1.88	94	2432	144	1.56	2757	29.82
45	2346	15	0.16	189	2.04	**95**	**2434**	**125**	**1.35**	**2882**	**31.18**
46	2348	15	0.16	204	2.21	96	2436	141	1.53	3023	32.70
47	2350	18	0.19	222	2.40	97	2438	130	1.41	3153	34.11
48	2352	15	0.16	237	2.56	98	2440	128	1.38	3281	35.49
49	2354	19	0.21	256	2.77	99	2441	135	1.46	3416	36.95

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Table 9.135: Spring 2014 AZELLA Stage III Reassessment Form Frequency Distribution at Grade 4

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2443	139	1.50	3555	38.46	150	2597	4	0.04	9232	99.87
101	2445	141	1.53	3696	39.98	151	2603	1	0.01	9233	99.88
102	2447	166	1.80	3862	41.78	152	2610	4	0.04	9237	99.92
103	2449	138	1.49	4000	43.27	153	2617	0	0.00	9237	99.92
104	2451	183	1.98	4183	45.25	154	2625	2	0.02	9239	99.95
105	2453	139	1.50	4322	46.75	155	2633	1	0.01	9240	99.96
106	2455	193	2.09	4515	48.84	156	2643	2	0.02	9242	99.98
107	2457	124	1.34	4639	50.18	157	2653	0	0.00	9242	99.98
108	2459	189	2.04	4828	52.23	158	2665	1	0.01	9243	99.99
109	2461	155	1.68	4983	53.91	159	2679	0	0.00	9243	99.99
110	2464	203	2.20	5186	56.10	160	2695	1	0.01	9244	100.00
111	2466	143	1.55	5329	57.65	161	2716	0	0.00	9244	100.00
112	2468	200	2.16	5529	59.81	162	2745	0	0.00	9244	100.00
113	2470	173	1.87	5702	61.68	163	2792	0	0.00	9244	100.00
114	**2472**	**208**	**2.25**	**5910**	**63.93**	164	3000	0	0.00	9244	100.00
115	2475	142	1.54	6052	65.47						
116	2477	213	2.30	6265	67.77						
117	2479	156	1.69	6421	69.46						
118	2482	151	1.63	6572	71.09						
119	2484	150	1.62	6722	72.72						
120	2487	180	1.95	6902	74.66						
121	2489	150	1.62	7052	76.29						
122	2492	227	2.46	7279	78.74						
123	2494	142	1.54	7421	80.28						
124	2497	180	1.95	7601	82.23						
125	2500	102	1.10	7703	83.33						
126	2502	180	1.95	7883	85.28						
127	2505	100	1.08	7983	86.36						
128	2508	136	1.47	8119	87.83						
129	2511	94	1.02	8213	88.85						
130	2514	143	1.55	8356	90.39						
131	2517	77	0.83	8433	91.23						
132	2520	127	1.37	8560	92.60						
133	2523	76	0.82	8636	93.42						
134	2527	113	1.22	8749	94.65						
135	2530	65	0.70	8814	95.35						
136	2533	80	0.87	8894	96.21						
137	2537	36	0.39	8930	96.60						
138	2541	61	0.66	8991	97.26						
139	2544	35	0.38	9026	97.64						
140	2548	54	0.58	9080	98.23						
141	2552	20	0.22	9100	98.44						
142	2556	47	0.51	9147	98.95						
143	2561	9	0.10	9156	99.05						
144	2565	29	0.31	9185	99.36						
145	2570	8	0.09	9193	99.45						
146	2575	17	0.18	9210	99.63						
147	2580	7	0.08	9217	99.71						
148	2585	7	0.08	9224	99.78						
149	2591	4	0.04	9228	99.83						

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Table 9.136: Spring 2014 AZELLA Stage III Reassessment Form Frequency Distribution at Grade 5

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2355	10	0.15	168	2.47
1	2089	0	0.00	0	0.00	51	2357	11	0.16	179	2.64
2	2134	0	0.00	0	0.00	52	2359	7	0.10	186	2.74
3	2161	0	0.00	0	0.00	53	2361	15	0.22	201	2.96
4	2180	0	0.00	0	0.00	54	2363	13	0.19	214	3.15
5	2195	0	0.00	0	0.00	55	2365	8	0.12	222	3.27
6	2207	0	0.00	0	0.00	56	2366	14	0.21	236	3.47
7	2217	0	0.00	0	0.00	57	2368	13	0.19	249	3.67
8	2226	0	0.00	0	0.00	58	2370	15	0.22	264	3.89
9	2234	0	0.00	0	0.00	59	2372	9	0.13	273	4.02
10	2241	0	0.00	0	0.00	60	2373	20	0.29	293	4.31
11	2248	0	0.00	0	0.00	61	2375	13	0.19	306	4.51
12	2253	0	0.00	0	0.00	62	2377	23	0.34	329	4.84
13	2259	0	0.00	0	0.00	63	2379	15	0.22	344	5.06
14	2264	1	0.01	1	0.01	64	2380	15	0.22	359	5.29
15	2268	1	0.01	2	0.03	65	2382	19	0.28	378	5.57
16	2272	0	0.00	2	0.03	66	2384	23	0.34	401	5.90
17	2276	0	0.00	2	0.03	67	2385	19	0.28	420	6.18
18	2280	1	0.01	3	0.04	68	2387	15	0.22	435	6.40
19	2284	2	0.03	5	0.07	69	2389	22	0.32	457	6.73
20	2287	0	0.00	5	0.07	70	2390	23	0.34	480	7.07
21	2291	0	0.00	5	0.07	71	2392	24	0.35	504	7.42
22	2294	1	0.01	6	0.09	72	2394	23	0.34	527	7.76
23	2297	1	0.01	7	0.10	73	2396	25	0.37	552	8.13
24	2300	6	0.09	13	0.19	74	2397	25	0.37	577	8.50
25	2302	1	0.01	14	0.21	75	2399	24	0.35	601	8.85
26	2305	4	0.06	18	0.27	**76**	**2401**	**25**	**0.37**	**626**	**9.22**
27	2308	3	0.04	21	0.31	77	2402	27	0.40	653	9.61
28	2310	3	0.04	24	0.35	78	2404	32	0.47	685	10.09
29	2313	1	0.01	25	0.37	79	2406	32	0.47	717	10.56
30	2315	3	0.04	28	0.41	80	2407	37	0.54	754	11.10
31	2317	1	0.01	29	0.43	81	2409	39	0.57	793	11.68
32	2320	3	0.04	32	0.47	82	2411	46	0.68	839	12.35
33	2322	5	0.07	37	0.54	83	2413	48	0.71	887	13.06
34	2324	5	0.07	42	0.62	84	2414	40	0.59	927	13.65
35	2326	4	0.06	46	0.68	85	2416	28	0.41	955	14.06
36	2328	6	0.09	52	0.77	86	2418	60	0.88	1015	14.94
37	2330	6	0.09	58	0.85	87	2420	46	0.68	1061	15.62
38	2332	4	0.06	62	0.91	88	2421	42	0.62	1103	16.24
39	2334	8	0.12	70	1.03	89	2423	69	1.02	1172	17.26
40	2336	8	0.12	78	1.15	90	2425	46	0.68	1218	17.93
41	2338	13	0.19	91	1.34	91	2427	46	0.68	1264	18.61
42	2340	10	0.15	101	1.49	92	2428	61	0.90	1325	19.51
43	2342	11	0.16	112	1.65	93	2430	50	0.74	1375	20.24
44	2344	9	0.13	121	1.78	94	2432	58	0.85	1433	21.10
45	2346	3	0.04	124	1.83	95	2434	65	0.96	1498	22.06
46	2348	5	0.07	129	1.90	96	2436	73	1.07	1571	23.13
47	2350	8	0.12	137	2.02	97	2438	68	1.00	1639	24.13
48	2352	12	0.18	149	2.19	98	2440	74	1.09	1713	25.22
49	2354	9	0.13	158	2.33	99	2441	72	1.06	1785	26.28

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Table 9.136: Spring 2014 AZELLA Stage III Reassessment Form Frequency Distribution at Grade 5

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	**2443**	**88**	**1.30**	**1873**	**27.58**	150	2597	13	0.19	6771	99.69
101	2445	87	1.28	1960	28.86	151	2603	1	0.01	6772	99.71
102	2447	99	1.46	2059	30.32	152	2610	8	0.12	6780	99.82
103	2449	105	1.55	2164	31.86	153	2617	1	0.01	6781	99.84
104	2451	117	1.72	2281	33.58	154	2625	6	0.09	6787	99.93
105	2453	98	1.44	2379	35.03	155	2633	1	0.01	6788	99.94
106	2455	105	1.55	2484	36.57	156	2643	1	0.01	6789	99.96
107	2457	104	1.53	2588	38.10	157	2653	2	0.03	6791	99.99
108	2459	105	1.55	2693	39.65	158	2665	1	0.01	6792	100.00
109	2461	121	1.78	2814	41.43	159	2679	0	0.00	6792	100.00
110	2464	123	1.81	2937	43.24	160	2695	0	0.00	6792	100.00
111	2466	92	1.35	3029	44.60	161	2716	0	0.00	6792	100.00
112	2468	136	2.00	3165	46.60	162	2745	0	0.00	6792	100.00
113	2470	113	1.66	3278	48.26	163	2792	0	0.00	6792	100.00
114	2472	135	1.99	3413	50.25	164	3000	0	0.00	6792	100.00
115	**2475**	**105**	**1.55**	**3518**	**51.80**						
116	2477	166	2.44	3684	54.24						
117	2479	113	1.66	3797	55.90						
118	2482	179	2.64	3976	58.54						
119	2484	103	1.52	4079	60.06						
120	2487	195	2.87	4274	62.93						
121	2489	123	1.81	4397	64.74						
122	2492	175	2.58	4572	67.31						
123	2494	121	1.78	4693	69.10						
124	2497	185	2.72	4878	71.82						
125	2500	108	1.59	4986	73.41						
126	2502	175	2.58	5161	75.99						
127	2505	99	1.46	5260	77.44						
128	2508	182	2.68	5442	80.12						
129	2511	98	1.44	5540	81.57						
130	2514	177	2.61	5717	84.17						
131	2517	94	1.38	5811	85.56						
132	2520	157	2.31	5968	87.87						
133	2523	65	0.96	6033	88.83						
134	2527	114	1.68	6147	90.50						
135	2530	63	0.93	6210	91.43						
136	2533	105	1.55	6315	92.98						
137	2537	49	0.72	6364	93.70						
138	2541	92	1.35	6456	95.05						
139	2544	34	0.50	6490	95.55						
140	2548	66	0.97	6556	96.53						
141	2552	22	0.32	6578	96.85						
142	2556	48	0.71	6626	97.56						
143	2561	17	0.25	6643	97.81						
144	2565	38	0.56	6681	98.37						
145	2570	11	0.16	6692	98.53						
146	2575	33	0.49	6725	99.01						
147	2580	8	0.12	6733	99.13						
148	2585	21	0.31	6754	99.44						
149	2591	4	0.06	6758	99.50						

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Table 9.137: Spring 2014 AZELLA Stage IV Reassessment Form Frequency Distribution at Grade 6

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2388	11	0.24	179	3.92
1	2117	0	0.00	0	0.00	51	2390	14	0.31	193	4.22
2	2163	0	0.00	0	0.00	52	2391	11	0.24	204	4.46
3	2189	0	0.00	0	0.00	53	2393	16	0.35	220	4.81
4	2208	0	0.00	0	0.00	54	2395	15	0.33	235	5.14
5	2223	0	0.00	0	0.00	55	2397	13	0.28	248	5.43
6	2235	0	0.00	0	0.00	56	2398	21	0.46	269	5.88
7	2246	0	0.00	0	0.00	57	2400	16	0.35	285	6.23
8	2255	0	0.00	0	0.00	58	2402	14	0.31	299	6.54
9	2263	0	0.00	0	0.00	**59**	**2404**	**20**	**0.44**	**319**	**6.98**
10	2270	0	0.00	0	0.00	60	2405	35	0.77	354	7.74
11	2277	0	0.00	0	0.00	61	2407	30	0.66	384	8.40
12	2283	1	0.02	1	0.02	62	2409	24	0.53	408	8.93
13	2288	0	0.00	1	0.02	63	2410	28	0.61	436	9.54
14	2293	1	0.02	2	0.04	64	2412	18	0.39	454	9.93
15	2298	0	0.00	2	0.04	65	2414	31	0.68	485	10.61
16	2302	0	0.00	2	0.04	66	2415	33	0.72	518	11.33
17	2306	0	0.00	2	0.04	67	2417	22	0.48	540	11.81
18	2310	1	0.02	3	0.07	68	2419	32	0.70	572	12.51
19	2314	0	0.00	3	0.07	69	2420	33	0.72	605	13.24
20	2318	1	0.02	4	0.09	70	2422	28	0.61	633	13.85
21	2321	1	0.02	5	0.11	71	2424	44	0.96	677	14.81
22	2324	1	0.02	6	0.13	72	2425	36	0.79	713	15.60
23	2327	0	0.00	6	0.13	73	2427	38	0.83	751	16.43
24	2330	1	0.02	7	0.15	74	2429	49	1.07	800	17.50
25	2333	3	0.07	10	0.22	75	2430	46	1.01	846	18.51
26	2336	4	0.09	14	0.31	76	2432	46	1.01	892	19.51
27	2339	1	0.02	15	0.33	77	2434	44	0.96	936	20.48
28	2341	5	0.11	20	0.44	78	2435	52	1.14	988	21.61
29	2344	3	0.07	23	0.50	79	2437	44	0.96	1032	22.58
30	2347	3	0.07	26	0.57	80	2439	53	1.16	1085	23.74
31	2349	1	0.02	27	0.59	81	2441	57	1.25	1142	24.98
32	2351	9	0.20	36	0.79	82	2442	61	1.33	1203	26.32
33	2354	1	0.02	37	0.81	**83**	**2444**	**62**	**1.36**	**1265**	**27.67**
34	2356	5	0.11	42	0.92	84	2446	76	1.66	1341	29.34
35	2358	7	0.15	49	1.07	85	2447	68	1.49	1409	30.82
36	2360	4	0.09	53	1.16	86	2449	63	1.38	1472	32.20
37	2362	5	0.11	58	1.27	87	2451	77	1.68	1549	33.89
38	2365	11	0.24	69	1.51	88	2453	69	1.51	1618	35.40
39	2367	8	0.18	77	1.68	89	2454	82	1.79	1700	37.19
40	2369	8	0.18	85	1.86	90	2456	68	1.49	1768	38.68
41	2371	7	0.15	92	2.01	91	2458	75	1.64	1843	40.32
42	2373	10	0.22	102	2.23	92	2460	95	2.08	1938	42.40
43	2375	9	0.20	111	2.43	93	2462	69	1.51	2007	43.91
44	2377	8	0.18	119	2.60	94	2463	79	1.73	2086	45.64
45	2378	7	0.15	126	2.76	95	2465	100	2.19	2186	47.82
46	2380	11	0.24	137	3.00	96	2467	89	1.95	2275	49.77
47	2382	7	0.15	144	3.15	97	2469	100	2.19	2375	51.96
48	2384	12	0.26	156	3.41	98	2471	87	1.90	2462	53.86
49	2386	12	0.26	168	3.68	99	2473	93	2.03	2555	55.90

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Table 9.137: Spring 2014 AZELLA Stage IV Reassessment Form Frequency Distribution at Grade 6

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2475	88	1.93	2643	57.82	150	2606	3	0.07	4566	99.89
101	**2477**	**106**	**2.32**	**2749**	**60.14**	151	2610	0	0.00	4566	99.89
102	2478	78	1.71	2827	61.85	152	2615	1	0.02	4567	99.91
103	2480	94	2.06	2921	63.90	153	2620	0	0.00	4567	99.91
104	2482	87	1.90	3008	65.81	154	2625	2	0.04	4569	99.96
105	2484	92	2.01	3100	67.82	155	2631	0	0.00	4569	99.96
106	2486	79	1.73	3179	69.55	156	2637	0	0.00	4569	99.96
107	2488	90	1.97	3269	71.52	157	2643	2	0.04	4571	100.00
108	2490	74	1.62	3343	73.13	158	2650	0	0.00	4571	100.00
109	2492	70	1.53	3413	74.67	159	2657	0	0.00	4571	100.00
110	2494	71	1.55	3484	76.22	160	2665	0	0.00	4571	100.00
111	2496	76	1.66	3560	77.88	161	2673	0	0.00	4571	100.00
112	2498	65	1.42	3625	79.30	162	2682	0	0.00	4571	100.00
113	2500	77	1.68	3702	80.99	163	2692	0	0.00	4571	100.00
114	2503	55	1.20	3757	82.19	164	2704	0	0.00	4571	100.00
115	2505	73	1.60	3830	83.79	165	2716	0	0.00	4571	100.00
116	2507	63	1.38	3893	85.17	166	2731	0	0.00	4571	100.00
117	2509	62	1.36	3955	86.52	167	2748	0	0.00	4571	100.00
118	2511	54	1.18	4009	87.71	168	2767	0	0.00	4571	100.00
119	2513	57	1.25	4066	88.95	169	2792	0	0.00	4571	100.00
120	2516	48	1.05	4114	90.00	170	2825	0	0.00	4571	100.00
121	2518	56	1.23	4170	91.23	171	2876	0	0.00	4571	100.00
122	2520	35	0.77	4205	91.99	172	3000	0	0.00	4571	100.00
123	2522	29	0.63	4234	92.63						
124	2525	28	0.61	4262	93.24						
125	2527	33	0.72	4295	93.96						
126	2530	27	0.59	4322	94.55						
127	2532	27	0.59	4349	95.14						
128	2535	27	0.59	4376	95.73						
129	2537	23	0.50	4399	96.24						
130	2540	27	0.59	4426	96.83						
131	2542	19	0.42	4445	97.24						
132	2545	14	0.31	4459	97.55						
133	2548	13	0.28	4472	97.83						
134	2550	18	0.39	4490	98.23						
135	2553	9	0.20	4499	98.42						
136	2556	7	0.15	4506	98.58						
137	2559	5	0.11	4511	98.69						
138	2562	16	0.35	4527	99.04						
139	2565	6	0.13	4533	99.17						
140	2568	5	0.11	4538	99.28						
141	2571	1	0.02	4539	99.30						
142	2575	2	0.04	4541	99.34						
143	2578	8	0.18	4549	99.52						
144	2582	4	0.09	4553	99.61						
145	2585	5	0.11	4558	99.72						
146	2589	2	0.04	4560	99.76						
147	2593	1	0.02	4561	99.78						
148	2597	2	0.04	4563	99.82						
149	2601	0	0.00	4563	99.82						

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Table 9.138: Spring 2014 AZELLA Stage IV Reassessment Form Frequency Distribution at Grade 7

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2388	8	0.20	153	3.89
1	2117	0	0.00	0	0.00	51	2390	9	0.23	162	4.12
2	2163	2	0.05	2	0.05	52	2391	9	0.23	171	4.35
3	2189	0	0.00	2	0.05	53	2393	13	0.33	184	4.68
4	2208	0	0.00	2	0.05	54	2395	14	0.36	198	5.03
5	2223	0	0.00	2	0.05	55	2397	14	0.36	212	5.39
6	2235	0	0.00	2	0.05	56	2398	15	0.38	227	5.77
7	2246	0	0.00	2	0.05	57	2400	7	0.18	234	5.95
8	2255	0	0.00	2	0.05	58	2402	15	0.38	249	6.33
9	2263	0	0.00	2	0.05	**59**	**2404**	**13**	**0.33**	**262**	**6.66**
10	2270	0	0.00	2	0.05	60	2405	14	0.36	276	7.01
11	2277	0	0.00	2	0.05	61	2407	22	0.56	298	7.57
12	2283	0	0.00	2	0.05	62	2409	21	0.53	319	8.11
13	2288	0	0.00	2	0.05	63	2410	19	0.48	338	8.59
14	2293	0	0.00	2	0.05	64	2412	15	0.38	353	8.97
15	2298	0	0.00	2	0.05	65	2414	24	0.61	377	9.58
16	2302	1	0.03	3	0.08	66	2415	14	0.36	391	9.94
17	2306	0	0.00	3	0.08	67	2417	21	0.53	412	10.47
18	2310	0	0.00	3	0.08	68	2419	25	0.64	437	11.11
19	2314	0	0.00	3	0.08	69	2420	19	0.48	456	11.59
20	2318	0	0.00	3	0.08	70	2422	23	0.58	479	12.17
21	2321	0	0.00	3	0.08	71	2424	23	0.58	502	12.76
22	2324	1	0.03	4	0.10	72	2425	25	0.64	527	13.39
23	2327	1	0.03	5	0.13	73	2427	27	0.69	554	14.08
24	2330	2	0.05	7	0.18	74	2429	25	0.64	579	14.71
25	2333	1	0.03	8	0.20	75	2430	25	0.64	604	15.35
26	2336	4	0.10	12	0.30	76	2432	22	0.56	626	15.91
27	2339	0	0.00	12	0.30	77	2434	32	0.81	658	16.72
28	2341	2	0.05	14	0.36	78	2435	27	0.69	685	17.41
29	2344	2	0.05	16	0.41	79	2437	33	0.84	718	18.25
30	2347	3	0.08	19	0.48	80	2439	43	1.09	761	19.34
31	2349	5	0.13	24	0.61	81	2441	46	1.17	807	20.51
32	2351	5	0.13	29	0.74	82	2442	36	0.91	843	21.42
33	2354	6	0.15	35	0.89	**83**	**2444**	**22**	**0.56**	**865**	**21.98**
34	2356	5	0.13	40	1.02	84	2446	44	1.12	909	23.10
35	2358	6	0.15	46	1.17	85	2447	42	1.07	951	24.17
36	2360	7	0.18	53	1.35	86	2449	58	1.47	1009	25.64
37	2362	6	0.15	59	1.50	87	2451	50	1.27	1059	26.91
38	2365	3	0.08	62	1.58	88	2453	66	1.68	1125	28.59
39	2367	4	0.10	66	1.68	89	2454	47	1.19	1172	29.78
40	2369	6	0.15	72	1.83	90	2456	54	1.37	1226	31.16
41	2371	4	0.10	76	1.93	91	2458	50	1.27	1276	32.43
42	2373	5	0.13	81	2.06	92	2460	60	1.52	1336	33.95
43	2375	9	0.23	90	2.29	93	2462	49	1.25	1385	35.20
44	2377	8	0.20	98	2.49	94	2463	56	1.42	1441	36.62
45	2378	10	0.25	108	2.74	95	2465	57	1.45	1498	38.07
46	2380	8	0.20	116	2.95	96	2467	57	1.45	1555	39.52
47	2382	10	0.25	126	3.20	97	2469	75	1.91	1630	41.42
48	2384	14	0.36	140	3.56	98	2471	57	1.45	1687	42.87
49	2386	5	0.13	145	3.68	99	2473	64	1.63	1751	44.50

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Table 9.138: Spring 2014 AZELLA Stage IV Reassessment Form Frequency Distribution at Grade 7

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2475	51	1.30	1802	45.79	150	2606	1	0.03	3926	99.77
101	**2477**	**55**	**1.40**	**1857**	**47.19**	151	2610	1	0.03	3927	99.80
102	2478	67	1.70	1924	48.89	152	2615	1	0.03	3928	99.82
103	2480	79	2.01	2003	50.90	153	2620	1	0.03	3929	99.85
104	2482	71	1.80	2074	52.71	154	2625	1	0.03	3930	99.87
105	2484	84	2.13	2158	54.84	155	2631	1	0.03	3931	99.90
106	2486	82	2.08	2240	56.93	156	2637	0	0.00	3931	99.90
107	2488	80	2.03	2320	58.96	157	2643	0	0.00	3931	99.90
108	2490	78	1.98	2398	60.94	158	2650	0	0.00	3931	99.90
109	2492	76	1.93	2474	62.87	159	2657	1	0.03	3932	99.92
110	2494	79	2.01	2553	64.88	160	2665	1	0.03	3933	99.95
111	2496	75	1.91	2628	66.79	161	2673	1	0.03	3934	99.97
112	2498	65	1.65	2693	68.44	162	2682	1	0.03	3935	100.00
113	2500	82	2.08	2775	70.52	163	2692	0	0.00	3935	100.00
114	2503	72	1.83	2847	72.35	164	2704	0	0.00	3935	100.00
115	2505	48	1.22	2895	73.57	165	2716	0	0.00	3935	100.00
116	2507	59	1.50	2954	75.07	166	2731	0	0.00	3935	100.00
117	2509	70	1.78	3024	76.85	167	2748	0	0.00	3935	100.00
118	2511	60	1.52	3084	78.37	168	2767	0	0.00	3935	100.00
119	2513	64	1.63	3148	80.00	169	2792	0	0.00	3935	100.00
120	2516	45	1.14	3193	81.14	170	2825	0	0.00	3935	100.00
121	2518	73	1.86	3266	83.00	171	2876	0	0.00	3935	100.00
122	2520	51	1.30	3317	84.29	172	3000	0	0.00	3935	100.00
123	2522	49	1.25	3366	85.54						
124	2525	55	1.40	3421	86.94						
125	2527	60	1.52	3481	88.46						
126	2530	32	0.81	3513	89.28						
127	2532	48	1.22	3561	90.50						
128	2535	45	1.14	3606	91.64						
129	2537	41	1.04	3647	92.68						
130	2540	28	0.71	3675	93.39						
131	2542	32	0.81	3707	94.21						
132	2545	30	0.76	3737	94.97						
133	2548	27	0.69	3764	95.65						
134	2550	25	0.64	3789	96.29						
135	2553	22	0.56	3811	96.85						
136	2556	10	0.25	3821	97.10						
137	2559	13	0.33	3834	97.43						
138	2562	13	0.33	3847	97.76						
139	2565	11	0.28	3858	98.04						
140	2568	14	0.36	3872	98.40						
141	2571	9	0.23	3881	98.63						
142	2575	9	0.23	3890	98.86						
143	2578	6	0.15	3896	99.01						
144	2582	3	0.08	3899	99.09						
145	2585	6	0.15	3905	99.24						
146	2589	3	0.08	3908	99.31						
147	2593	6	0.15	3914	99.47						
148	2597	8	0.20	3922	99.67						
149	2601	3	0.08	3925	99.75						

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Table 9.139: Spring 2014 AZELLA Stage IV Reassessment Form Frequency Distribution at Grade 8

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2388	8	0.35	112	4.83
1	2117	0	0.00	0	0.00	51	2390	12	0.52	124	5.35
2	2163	0	0.00	0	0.00	52	2391	6	0.26	130	5.61
3	2189	0	0.00	0	0.00	53	2393	11	0.47	141	6.09
4	2208	0	0.00	0	0.00	54	2395	4	0.17	145	6.26
5	2223	0	0.00	0	0.00	55	2397	8	0.35	153	6.60
6	2235	0	0.00	0	0.00	56	2398	6	0.26	159	6.86
7	2246	0	0.00	0	0.00	57	2400	12	0.52	171	7.38
8	2255	0	0.00	0	0.00	58	2402	13	0.56	184	7.94
9	2263	0	0.00	0	0.00	**59**	**2404**	**8**	**0.35**	**192**	**8.29**
10	2270	0	0.00	0	0.00	60	2405	15	0.65	207	8.93
11	2277	1	0.04	1	0.04	61	2407	9	0.39	216	9.32
12	2283	0	0.00	1	0.04	62	2409	7	0.30	223	9.62
13	2288	0	0.00	1	0.04	63	2410	15	0.65	238	10.27
14	2293	0	0.00	1	0.04	64	2412	13	0.56	251	10.83
15	2298	0	0.00	1	0.04	65	2414	10	0.43	261	11.26
16	2302	0	0.00	1	0.04	66	2415	16	0.69	277	11.96
17	2306	0	0.00	1	0.04	67	2417	19	0.82	296	12.78
18	2310	0	0.00	1	0.04	68	2419	12	0.52	308	13.29
19	2314	0	0.00	1	0.04	69	2420	11	0.47	319	13.77
20	2318	1	0.04	2	0.09	70	2422	16	0.69	335	14.46
21	2321	0	0.00	2	0.09	71	2424	13	0.56	348	15.02
22	2324	0	0.00	2	0.09	72	2425	9	0.39	357	15.41
23	2327	1	0.04	3	0.13	73	2427	12	0.52	369	15.93
24	2330	0	0.00	3	0.13	74	2429	14	0.60	383	16.53
25	2333	1	0.04	4	0.17	75	2430	18	0.78	401	17.31
26	2336	0	0.00	4	0.17	76	2432	21	0.91	422	18.21
27	2339	1	0.04	5	0.22	77	2434	14	0.60	436	18.82
28	2341	0	0.00	5	0.22	78	2435	20	0.86	456	19.68
29	2344	0	0.00	5	0.22	79	2437	18	0.78	474	20.46
30	2347	5	0.22	10	0.43	80	2439	20	0.86	494	21.32
31	2349	5	0.22	15	0.65	81	2441	24	1.04	518	22.36
32	2351	3	0.13	18	0.78	82	2442	23	0.99	541	23.35
33	2354	0	0.00	18	0.78	**83**	**2444**	**13**	**0.56**	**554**	**23.91**
34	2356	3	0.13	21	0.91	84	2446	31	1.34	585	25.25
35	2358	4	0.17	25	1.08	85	2447	18	0.78	603	26.03
36	2360	5	0.22	30	1.29	86	2449	28	1.21	631	27.23
37	2362	2	0.09	32	1.38	87	2451	21	0.91	652	28.14
38	2365	4	0.17	36	1.55	88	2453	30	1.29	682	29.43
39	2367	6	0.26	42	1.81	89	2454	23	0.99	705	30.43
40	2369	4	0.17	46	1.99	90	2456	28	1.21	733	31.64
41	2371	8	0.35	54	2.33	91	2458	27	1.17	760	32.80
42	2373	8	0.35	62	2.68	92	2460	22	0.95	782	33.75
43	2375	4	0.17	66	2.85	93	2462	26	1.12	808	34.87
44	2377	3	0.13	69	2.98	94	2463	39	1.68	847	36.56
45	2378	5	0.22	74	3.19	95	2465	35	1.51	882	38.07
46	2380	2	0.09	76	3.28	96	2467	32	1.38	914	39.45
47	2382	10	0.43	86	3.71	97	2469	51	2.20	965	41.65
48	2384	10	0.43	96	4.14	98	2471	56	2.42	1021	44.07
49	2386	8	0.35	104	4.49	99	2473	40	1.73	1061	45.79

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Table 9.139: Spring 2014 AZELLA Stage IV Reassessment Form Frequency Distribution at Grade 8

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2475	43	1.86	1104	47.65	150	2606	4	0.17	2306	99.53
101	**2477**	**40**	**1.73**	**1144**	**49.37**	151	2610	2	0.09	2308	99.61
102	2478	42	1.81	1186	51.19	152	2615	0	0.00	2308	99.61
103	2480	42	1.81	1228	53.00	153	2620	3	0.13	2311	99.74
104	2482	34	1.47	1262	54.47	154	2625	1	0.04	2312	99.78
105	2484	34	1.47	1296	55.93	155	2631	2	0.09	2314	99.87
106	2486	31	1.34	1327	57.27	156	2637	0	0.00	2314	99.87
107	2488	47	2.03	1374	59.30	157	2643	1	0.04	2315	99.91
108	2490	44	1.90	1418	61.20	158	2650	0	0.00	2315	99.91
109	2492	33	1.42	1451	62.62	159	2657	0	0.00	2315	99.91
110	2494	51	2.20	1502	64.83	160	2665	0	0.00	2315	99.91
111	2496	47	2.03	1549	66.85	161	2673	1	0.04	2316	99.96
112	2498	26	1.12	1575	67.98	162	2682	0	0.00	2316	99.96
113	2500	37	1.60	1612	69.57	163	2692	0	0.00	2316	99.96
114	2503	35	1.51	1647	71.08	164	2704	0	0.00	2316	99.96
115	2505	32	1.38	1679	72.46	165	2716	0	0.00	2316	99.96
116	2507	36	1.55	1715	74.02	166	2731	1	0.04	2317	100.00
117	2509	33	1.42	1748	75.44	167	2748	0	0.00	2317	100.00
118	2511	44	1.90	1792	77.34	168	2767	0	0.00	2317	100.00
119	2513	45	1.94	1837	79.28	169	2792	0	0.00	2317	100.00
120	2516	32	1.38	1869	80.66	170	2825	0	0.00	2317	100.00
121	2518	35	1.51	1904	82.18	171	2876	0	0.00	2317	100.00
122	2520	33	1.42	1937	83.60	172	3000	0	0.00	2317	100.00
123	2522	37	1.60	1974	85.20						
124	2525	28	1.21	2002	86.40						
125	2527	38	1.64	2040	88.04						
126	2530	23	0.99	2063	89.04						
127	2532	18	0.78	2081	89.81						
128	2535	25	1.08	2106	90.89						
129	2537	19	0.82	2125	91.71						
130	2540	21	0.91	2146	92.62						
131	2542	21	0.91	2167	93.53						
132	2545	16	0.69	2183	94.22						
133	2548	13	0.56	2196	94.78						
134	2550	14	0.60	2210	95.38						
135	2553	12	0.52	2222	95.90						
136	2556	16	0.69	2238	96.59						
137	2559	13	0.56	2251	97.15						
138	2562	5	0.22	2256	97.37						
139	2565	5	0.22	2261	97.58						
140	2568	7	0.30	2268	97.89						
141	2571	10	0.43	2278	98.32						
142	2575	3	0.13	2281	98.45						
143	2578	3	0.13	2284	98.58						
144	2582	4	0.17	2288	98.75						
145	2585	4	0.17	2292	98.92						
146	2589	4	0.17	2296	99.09						
147	2593	3	0.13	2299	99.22						
148	2597	1	0.04	2300	99.27						
149	2601	2	0.09	2302	99.35						

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Table 9.140: Spring 2014 AZELLA Stage V Reassessment Form Frequency Distribution at Grade 9

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2401	5	0.28	131	7.37
1	2133	0	0.00	0	0.00	51	2403	12	0.67	143	8.04
2	2178	0	0.00	0	0.00	52	2405	16	0.90	159	8.94
3	2205	0	0.00	0	0.00	53	2407	7	0.39	166	9.34
4	2224	0	0.00	0	0.00	54	2408	12	0.67	178	10.01
5	2239	0	0.00	0	0.00	55	2410	12	0.67	190	10.69
6	2251	0	0.00	0	0.00	56	2412	12	0.67	202	11.36
7	2261	0	0.00	0	0.00	57	2414	10	0.56	212	11.92
8	2270	0	0.00	0	0.00	58	2415	8	0.45	220	12.37
9	2278	0	0.00	0	0.00	59	2417	11	0.62	231	12.99
10	2286	0	0.00	0	0.00	60	2419	12	0.67	243	13.67
11	2292	0	0.00	0	0.00	61	2421	8	0.45	251	14.12
12	2298	0	0.00	0	0.00	62	2422	18	1.01	269	15.13
13	2303	0	0.00	0	0.00	63	2424	20	1.12	289	16.25
14	2309	0	0.00	0	0.00	**64**	**2426**	**13**	**0.73**	**302**	**16.99**
15	2313	0	0.00	0	0.00	65	2427	17	0.96	319	17.94
16	2318	0	0.00	0	0.00	66	2429	21	1.18	340	19.12
17	2322	0	0.00	0	0.00	67	2431	15	0.84	355	19.97
18	2326	1	0.06	1	0.06	68	2433	15	0.84	370	20.81
19	2329	0	0.00	1	0.06	69	2434	17	0.96	387	21.77
20	2333	0	0.00	1	0.06	70	2436	13	0.73	400	22.50
21	2336	0	0.00	1	0.06	71	2438	21	1.18	421	23.68
22	2340	0	0.00	1	0.06	72	2440	27	1.52	448	25.20
23	2343	0	0.00	1	0.06	73	2441	23	1.29	471	26.49
24	2346	2	0.11	3	0.17	74	2443	23	1.29	494	27.78
25	2348	1	0.06	4	0.22	75	2445	25	1.41	519	29.19
26	2351	0	0.00	4	0.22	76	2447	16	0.90	535	30.09
27	2354	0	0.00	4	0.22	77	2448	29	1.63	564	31.72
28	2356	0	0.00	4	0.22	78	2450	21	1.18	585	32.90
29	2359	3	0.17	7	0.39	79	2452	23	1.29	608	34.20
30	2361	4	0.22	11	0.62	80	2454	28	1.57	636	35.77
31	2364	2	0.11	13	0.73	81	2456	20	1.12	656	36.90
32	2366	6	0.34	19	1.07	82	2457	22	1.24	678	38.13
33	2368	1	0.06	20	1.12	83	2459	28	1.57	706	39.71
34	2370	7	0.39	27	1.52	84	2461	29	1.63	735	41.34
35	2373	4	0.22	31	1.74	85	2463	19	1.07	754	42.41
36	2375	5	0.28	36	2.02	86	2465	24	1.35	778	43.76
37	2377	5	0.28	41	2.31	87	2467	22	1.24	800	44.99
38	2379	8	0.45	49	2.76	**88**	**2468**	**23**	**1.29**	**823**	**46.29**
39	2381	3	0.17	52	2.92	89	2470	25	1.41	848	47.69
40	2383	13	0.73	65	3.66	90	2472	28	1.57	876	49.27
41	2385	0	0.00	65	3.66	91	2474	30	1.69	906	50.96
42	2387	7	0.39	72	4.05	92	2476	34	1.91	940	52.87
43	2389	5	0.28	77	4.33	93	2478	32	1.80	972	54.67
44	2390	8	0.45	85	4.78	94	2480	14	0.79	986	55.46
45	2392	12	0.67	97	5.46	95	2482	22	1.24	1008	56.69
46	2394	8	0.45	105	5.91	96	2484	24	1.35	1032	58.04
47	2396	4	0.22	109	6.13	97	2486	28	1.57	1060	59.62
48	2398	7	0.39	116	6.52	98	2488	23	1.29	1083	60.91
49	2400	10	0.56	126	7.09	99	2490	18	1.01	1101	61.92

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Table 9.140: Spring 2014 AZELLA Stage V Reassessment Form Frequency Distribution at Grade 9

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2492	31	1.74	1132	63.67	150	2634	1	0.06	1777	99.94
101	2494	28	1.57	1160	65.24	151	2639	1	0.06	1778	100.00
102	2496	29	1.63	1189	66.87	152	2645	0	0.00	1778	100.00
103	2498	25	1.41	1214	68.28	153	2650	0	0.00	1778	100.00
104	2500	26	1.46	1240	69.74	154	2656	0	0.00	1778	100.00
105	2502	28	1.57	1268	71.32	155	2662	0	0.00	1778	100.00
106	2504	34	1.91	1302	73.23	156	2669	0	0.00	1778	100.00
107	2506	15	0.84	1317	74.07	157	2676	0	0.00	1778	100.00
108	**2508**	**31**	**1.74**	**1348**	**75.82**	158	2683	0	0.00	1778	100.00
109	2510	32	1.80	1380	77.62	159	2691	0	0.00	1778	100.00
110	2512	28	1.57	1408	79.19	160	2700	0	0.00	1778	100.00
111	2514	24	1.35	1432	80.54	161	2709	0	0.00	1778	100.00
112	2517	19	1.07	1451	81.61	162	2719	0	0.00	1778	100.00
113	2519	26	1.46	1477	83.07	163	2730	0	0.00	1778	100.00
114	2521	18	1.01	1495	84.08	164	2742	0	0.00	1778	100.00
115	2523	25	1.41	1520	85.49	165	2755	0	0.00	1778	100.00
116	2526	17	0.96	1537	86.45	166	2770	0	0.00	1778	100.00
117	2528	16	0.90	1553	87.35	167	2788	0	0.00	1778	100.00
118	2530	12	0.67	1565	88.02	168	2808	0	0.00	1778	100.00
119	2533	19	1.07	1584	89.09	169	2832	0	0.00	1778	100.00
120	2535	11	0.62	1595	89.71	170	2865	0	0.00	1778	100.00
121	2537	11	0.62	1606	90.33	171	2916	0	0.00	1778	100.00
122	2540	20	1.12	1626	91.45	172	3000	0	0.00	1778	100.00
123	2542	19	1.07	1645	92.52						
124	2545	16	0.90	1661	93.42						
125	2547	8	0.45	1669	93.87						
126	2550	7	0.39	1676	94.26						
127	2553	10	0.56	1686	94.83						
128	2555	11	0.62	1697	95.44						
129	2558	11	0.62	1708	96.06						
130	2561	12	0.67	1720	96.74						
131	2564	9	0.51	1729	97.24						
132	2567	4	0.22	1733	97.47						
133	2570	7	0.39	1740	97.86						
134	2573	6	0.34	1746	98.20						
135	2576	5	0.28	1751	98.48						
136	2579	1	0.06	1752	98.54						
137	2582	0	0.00	1752	98.54						
138	2585	4	0.22	1756	98.76						
139	2589	1	0.06	1757	98.82						
140	2592	5	0.28	1762	99.10						
141	2596	3	0.17	1765	99.27						
142	2600	1	0.06	1766	99.33						
143	2603	6	0.34	1772	99.66						
144	2607	1	0.06	1773	99.72						
145	2611	0	0.00	1773	99.72						
146	2616	0	0.00	1773	99.72						
147	2620	2	0.11	1775	99.83						
148	2625	1	0.06	1776	99.89						
149	2629	0	0.00	1776	99.89						

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Table 9.141: Spring 2014 AZELLA Stage V Reassessment Form Frequency Distribution at Grade 10

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2401	7	0.46	88	5.83
1	2133	0	0.00	0	0.00	51	2403	3	0.20	91	6.03
2	2178	0	0.00	0	0.00	52	2405	10	0.66	101	6.69
3	2205	0	0.00	0	0.00	53	2407	7	0.46	108	7.16
4	2224	0	0.00	0	0.00	54	2408	11	0.73	119	7.89
5	2239	0	0.00	0	0.00	55	2410	6	0.40	125	8.28
6	2251	0	0.00	0	0.00	56	2412	4	0.27	129	8.55
7	2261	0	0.00	0	0.00	57	2414	13	0.86	142	9.41
8	2270	0	0.00	0	0.00	58	2415	5	0.33	147	9.74
9	2278	0	0.00	0	0.00	59	2417	6	0.40	153	10.14
10	2286	0	0.00	0	0.00	60	2419	10	0.66	163	10.80
11	2292	0	0.00	0	0.00	61	2421	12	0.80	175	11.60
12	2298	0	0.00	0	0.00	62	2422	12	0.80	187	12.39
13	2303	0	0.00	0	0.00	63	2424	11	0.73	198	13.12
14	2309	0	0.00	0	0.00	**64**	**2426**	**7**	**0.46**	**205**	**13.59**
15	2313	0	0.00	0	0.00	65	2427	12	0.80	217	14.38
16	2318	0	0.00	0	0.00	66	2429	13	0.86	230	15.24
17	2322	0	0.00	0	0.00	67	2431	14	0.93	244	16.17
18	2326	0	0.00	0	0.00	68	2433	15	0.99	259	17.16
19	2329	0	0.00	0	0.00	69	2434	11	0.73	270	17.89
20	2333	1	0.07	1	0.07	70	2436	23	1.52	293	19.42
21	2336	0	0.00	1	0.07	71	2438	11	0.73	304	20.15
22	2340	1	0.07	2	0.13	72	2440	12	0.80	316	20.94
23	2343	0	0.00	2	0.13	73	2441	15	0.99	331	21.94
24	2346	1	0.07	3	0.20	74	2443	13	0.86	344	22.80
25	2348	0	0.00	3	0.20	75	2445	12	0.80	356	23.59
26	2351	2	0.13	5	0.33	76	2447	10	0.66	366	24.25
27	2354	0	0.00	5	0.33	77	2448	19	1.26	385	25.51
28	2356	1	0.07	6	0.40	78	2450	21	1.39	406	26.91
29	2359	1	0.07	7	0.46	79	2452	11	0.73	417	27.63
30	2361	3	0.20	10	0.66	80	2454	13	0.86	430	28.50
31	2364	2	0.13	12	0.80	81	2456	23	1.52	453	30.02
32	2366	3	0.20	15	0.99	82	2457	18	1.19	471	31.21
33	2368	3	0.20	18	1.19	83	2459	17	1.13	488	32.34
34	2370	4	0.27	22	1.46	84	2461	19	1.26	507	33.60
35	2373	0	0.00	22	1.46	85	2463	17	1.13	524	34.72
36	2375	4	0.27	26	1.72	86	2465	29	1.92	553	36.65
37	2377	4	0.27	30	1.99	87	2467	10	0.66	563	37.31
38	2379	4	0.27	34	2.25	**88**	**2468**	**16**	**1.06**	**579**	**38.37**
39	2381	6	0.40	40	2.65	89	2470	19	1.26	598	39.63
40	2383	3	0.20	43	2.85	90	2472	22	1.46	620	41.09
41	2385	4	0.27	47	3.11	91	2474	17	1.13	637	42.21
42	2387	3	0.20	50	3.31	92	2476	11	0.73	648	42.94
43	2389	6	0.40	56	3.71	93	2478	22	1.46	670	44.40
44	2390	5	0.33	61	4.04	94	2480	27	1.79	697	46.19
45	2392	4	0.27	65	4.31	95	2482	24	1.59	721	47.78
46	2394	6	0.40	71	4.71	96	2484	25	1.66	746	49.44
47	2396	3	0.20	74	4.90	97	2486	20	1.33	766	50.76
48	2398	2	0.13	76	5.04	98	2488	24	1.59	790	52.35
49	2400	5	0.33	81	5.37	99	2490	23	1.52	813	53.88

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Table 9.141: Spring 2014 AZELLA Stage V Reassessment Form Frequency Distribution at Grade 10

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2492	25	1.66	838	55.53	150	2634	2	0.13	1506	99.80
101	2494	25	1.66	863	57.19	151	2639	1	0.07	1507	99.87
102	2496	26	1.72	889	58.91	152	2645	2	0.13	1509	100.00
103	2498	22	1.46	911	60.37	153	2650	0	0.00	1509	100.00
104	2500	23	1.52	934	61.90	154	2656	0	0.00	1509	100.00
105	2502	23	1.52	957	63.42	155	2662	0	0.00	1509	100.00
106	2504	21	1.39	978	64.81	156	2669	0	0.00	1509	100.00
107	2506	22	1.46	1000	66.27	157	2676	0	0.00	1509	100.00
108	**2508**	**22**	**1.46**	**1022**	**67.73**	158	2683	0	0.00	1509	100.00
109	2510	20	1.33	1042	69.05	159	2691	0	0.00	1509	100.00
110	2512	28	1.86	1070	70.91	160	2700	0	0.00	1509	100.00
111	2514	33	2.19	1103	73.09	161	2709	0	0.00	1509	100.00
112	2517	16	1.06	1119	74.16	162	2719	0	0.00	1509	100.00
113	2519	21	1.39	1140	75.55	163	2730	0	0.00	1509	100.00
114	2521	19	1.26	1159	76.81	164	2742	0	0.00	1509	100.00
115	2523	24	1.59	1183	78.40	165	2755	0	0.00	1509	100.00
116	2526	11	0.73	1194	79.13	166	2770	0	0.00	1509	100.00
117	2528	24	1.59	1218	80.72	167	2788	0	0.00	1509	100.00
118	2530	18	1.19	1236	81.91	168	2808	0	0.00	1509	100.00
119	2533	18	1.19	1254	83.10	169	2832	0	0.00	1509	100.00
120	2535	13	0.86	1267	83.96	170	2865	0	0.00	1509	100.00
121	2537	12	0.80	1279	84.76	171	2916	0	0.00	1509	100.00
122	2540	21	1.39	1300	86.15	172	3000	0	0.00	1509	100.00
123	2542	8	0.53	1308	86.68						
124	2545	19	1.26	1327	87.94						
125	2547	18	1.19	1345	89.13						
126	2550	19	1.26	1364	90.39						
127	2553	10	0.66	1374	91.05						
128	2555	16	1.06	1390	92.11						
129	2558	17	1.13	1407	93.24						
130	2561	7	0.46	1414	93.70						
131	2564	15	0.99	1429	94.70						
132	2567	13	0.86	1442	95.56						
133	2570	11	0.73	1453	96.29						
134	2573	11	0.73	1464	97.02						
135	2576	6	0.40	1470	97.42						
136	2579	6	0.40	1476	97.81						
137	2582	5	0.33	1481	98.14						
138	2585	7	0.46	1488	98.61						
139	2589	1	0.07	1489	98.67						
140	2592	5	0.33	1494	99.01						
141	2596	4	0.27	1498	99.27						
142	2600	2	0.13	1500	99.40						
143	2603	1	0.07	1501	99.47						
144	2607	0	0.00	1501	99.47						
145	2611	1	0.07	1502	99.54						
146	2616	0	0.00	1502	99.54						
147	2620	0	0.00	1502	99.54						
148	2625	1	0.07	1503	99.60						
149	2629	1	0.07	1504	99.67						

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Table 9.142: Spring 2014 AZELLA Stage V Reassessment Form Frequency Distribution at Grade 11

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2401	3	0.28	42	3.93
1	2133	0	0.00	0	0.00	51	2403	2	0.19	44	4.12
2	2178	0	0.00	0	0.00	52	2405	4	0.37	48	4.49
3	2205	0	0.00	0	0.00	53	2407	4	0.37	52	4.86
4	2224	0	0.00	0	0.00	54	2408	4	0.37	56	5.24
5	2239	0	0.00	0	0.00	55	2410	3	0.28	59	5.52
6	2251	0	0.00	0	0.00	56	2412	5	0.47	64	5.99
7	2261	0	0.00	0	0.00	57	2414	5	0.47	69	6.45
8	2270	0	0.00	0	0.00	58	2415	8	0.75	77	7.20
9	2278	0	0.00	0	0.00	59	2417	4	0.37	81	7.58
10	2286	0	0.00	0	0.00	60	2419	6	0.56	87	8.14
11	2292	0	0.00	0	0.00	61	2421	3	0.28	90	8.42
12	2298	0	0.00	0	0.00	62	2422	5	0.47	95	8.89
13	2303	0	0.00	0	0.00	63	2424	7	0.65	102	9.54
14	2309	0	0.00	0	0.00	**64**	**2426**	**10**	**0.94**	**112**	**10.48**
15	2313	0	0.00	0	0.00	65	2427	5	0.47	117	10.94
16	2318	0	0.00	0	0.00	66	2429	2	0.19	119	11.13
17	2322	0	0.00	0	0.00	67	2431	12	1.12	131	12.25
18	2326	0	0.00	0	0.00	68	2433	11	1.03	142	13.28
19	2329	1	0.09	1	0.09	69	2434	8	0.75	150	14.03
20	2333	0	0.00	1	0.09	70	2436	11	1.03	161	15.06
21	2336	0	0.00	1	0.09	71	2438	12	1.12	173	16.18
22	2340	0	0.00	1	0.09	72	2440	6	0.56	179	16.74
23	2343	0	0.00	1	0.09	73	2441	14	1.31	193	18.05
24	2346	0	0.00	1	0.09	74	2443	8	0.75	201	18.80
25	2348	0	0.00	1	0.09	75	2445	13	1.22	214	20.02
26	2351	0	0.00	1	0.09	76	2447	12	1.12	226	21.14
27	2354	0	0.00	1	0.09	77	2448	14	1.31	240	22.45
28	2356	0	0.00	1	0.09	78	2450	8	0.75	248	23.20
29	2359	0	0.00	1	0.09	79	2452	14	1.31	262	24.51
30	2361	1	0.09	2	0.19	80	2454	12	1.12	274	25.63
31	2364	0	0.00	2	0.19	81	2456	15	1.40	289	27.03
32	2366	0	0.00	2	0.19	82	2457	12	1.12	301	28.16
33	2368	1	0.09	3	0.28	83	2459	8	0.75	309	28.91
34	2370	2	0.19	5	0.47	84	2461	13	1.22	322	30.12
35	2373	1	0.09	6	0.56	85	2463	10	0.94	332	31.06
36	2375	2	0.19	8	0.75	86	2465	17	1.59	349	32.65
37	2377	1	0.09	9	0.84	87	2467	13	1.22	362	33.86
38	2379	2	0.19	11	1.03	**88**	**2468**	**10**	**0.94**	**372**	**34.80**
39	2381	2	0.19	13	1.22	89	2470	18	1.68	390	36.48
40	2383	3	0.28	16	1.50	90	2472	16	1.50	406	37.98
41	2385	2	0.19	18	1.68	91	2474	11	1.03	417	39.01
42	2387	0	0.00	18	1.68	92	2476	11	1.03	428	40.04
43	2389	2	0.19	20	1.87	93	2478	15	1.40	443	41.44
44	2390	2	0.19	22	2.06	94	2480	17	1.59	460	43.03
45	2392	4	0.37	26	2.43	95	2482	14	1.31	474	44.34
46	2394	3	0.28	29	2.71	96	2484	11	1.03	485	45.37
47	2396	2	0.19	31	2.90	97	2486	24	2.25	509	47.61
48	2398	6	0.56	37	3.46	98	2488	10	0.94	519	48.55
49	2400	2	0.19	39	3.65	99	2490	25	2.34	544	50.89

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Table 9.142: Spring 2014 AZELLA Stage V Reassessment Form Frequency Distribution at Grade 11

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2492	20	1.87	564	52.76	150	2634	2	0.19	1068	99.91
101	2494	12	1.12	576	53.88	151	2639	0	0.00	1068	99.91
102	2496	20	1.87	596	55.75	152	2645	1	0.09	1069	100.00
103	2498	14	1.31	610	57.06	153	2650	0	0.00	1069	100.00
104	2500	14	1.31	624	58.37	154	2656	0	0.00	1069	100.00
105	2502	15	1.40	639	59.78	155	2662	0	0.00	1069	100.00
106	2504	19	1.78	658	61.55	156	2669	0	0.00	1069	100.00
107	2506	14	1.31	672	62.86	157	2676	0	0.00	1069	100.00
108	**2508**	**19**	**1.78**	**691**	**64.64**	158	2683	0	0.00	1069	100.00
109	2510	16	1.50	707	66.14	159	2691	0	0.00	1069	100.00
110	2512	13	1.22	720	67.35	160	2700	0	0.00	1069	100.00
111	2514	14	1.31	734	68.66	161	2709	0	0.00	1069	100.00
112	2517	16	1.50	750	70.16	162	2719	0	0.00	1069	100.00
113	2519	20	1.87	770	72.03	163	2730	0	0.00	1069	100.00
114	2521	17	1.59	787	73.62	164	2742	0	0.00	1069	100.00
115	2523	20	1.87	807	75.49	165	2755	0	0.00	1069	100.00
116	2526	22	2.06	829	77.55	166	2770	0	0.00	1069	100.00
117	2528	19	1.78	848	79.33	167	2788	0	0.00	1069	100.00
118	2530	15	1.40	863	80.73	168	2808	0	0.00	1069	100.00
119	2533	16	1.50	879	82.23	169	2832	0	0.00	1069	100.00
120	2535	18	1.68	897	83.91	170	2865	0	0.00	1069	100.00
121	2537	15	1.40	912	85.31	171	2916	0	0.00	1069	100.00
122	2540	20	1.87	932	87.18	172	3000	0	0.00	1069	100.00
123	2542	12	1.12	944	88.31						
124	2545	10	0.94	954	89.24						
125	2547	11	1.03	965	90.27						
126	2550	6	0.56	971	90.83						
127	2553	14	1.31	985	92.14						
128	2555	11	1.03	996	93.17						
129	2558	6	0.56	1002	93.73						
130	2561	10	0.94	1012	94.67						
131	2564	14	1.31	1026	95.98						
132	2567	6	0.56	1032	96.54						
133	2570	8	0.75	1040	97.29						
134	2573	2	0.19	1042	97.47						
135	2576	5	0.47	1047	97.94						
136	2579	2	0.19	1049	98.13						
137	2582	5	0.47	1054	98.60						
138	2585	2	0.19	1056	98.78						
139	2589	1	0.09	1057	98.88						
140	2592	0	0.00	1057	98.88						
141	2596	1	0.09	1058	98.97						
142	2600	1	0.09	1059	99.06						
143	2603	1	0.09	1060	99.16						
144	2607	3	0.28	1063	99.44						
145	2611	0	0.00	1063	99.44						
146	2616	1	0.09	1064	99.53						
147	2620	0	0.00	1064	99.53						
148	2625	1	0.09	1065	99.63						
149	2629	1	0.09	1066	99.72						

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Table 9.143: Spring 2014 AZELLA Stage V Reassessment Form Frequency Distribution at Grade 12

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2401	3	0.29	24	2.33
1	2133	0	0.00	0	0.00	51	2403	7	0.68	31	3.00
2	2178	0	0.00	0	0.00	52	2405	3	0.29	34	3.29
3	2205	0	0.00	0	0.00	53	2407	1	0.10	35	3.39
4	2224	0	0.00	0	0.00	54	2408	6	0.58	41	3.97
5	2239	0	0.00	0	0.00	55	2410	2	0.19	43	4.17
6	2251	0	0.00	0	0.00	56	2412	3	0.29	46	4.46
7	2261	0	0.00	0	0.00	57	2414	4	0.39	50	4.84
8	2270	0	0.00	0	0.00	58	2415	2	0.19	52	5.04
9	2278	0	0.00	0	0.00	59	2417	6	0.58	58	5.62
10	2286	0	0.00	0	0.00	60	2419	4	0.39	62	6.01
11	2292	0	0.00	0	0.00	61	2421	5	0.48	67	6.49
12	2298	0	0.00	0	0.00	62	2422	4	0.39	71	6.88
13	2303	0	0.00	0	0.00	63	2424	6	0.58	77	7.46
14	2309	0	0.00	0	0.00	**64**	**2426**	**3**	**0.29**	**80**	**7.75**
15	2313	0	0.00	0	0.00	65	2427	5	0.48	85	8.24
16	2318	0	0.00	0	0.00	66	2429	11	1.07	96	9.30
17	2322	0	0.00	0	0.00	67	2431	8	0.78	104	10.08
18	2326	0	0.00	0	0.00	68	2433	7	0.68	111	10.76
19	2329	0	0.00	0	0.00	69	2434	8	0.78	119	11.53
20	2333	0	0.00	0	0.00	70	2436	9	0.87	128	12.40
21	2336	0	0.00	0	0.00	71	2438	5	0.48	133	12.89
22	2340	0	0.00	0	0.00	72	2440	8	0.78	141	13.66
23	2343	0	0.00	0	0.00	73	2441	6	0.58	147	14.24
24	2346	0	0.00	0	0.00	74	2443	7	0.68	154	14.92
25	2348	0	0.00	0	0.00	75	2445	10	0.97	164	15.89
26	2351	0	0.00	0	0.00	76	2447	8	0.78	172	16.67
27	2354	0	0.00	0	0.00	77	2448	4	0.39	176	17.05
28	2356	0	0.00	0	0.00	78	2450	8	0.78	184	17.83
29	2359	0	0.00	0	0.00	79	2452	23	2.23	207	20.06
30	2361	0	0.00	0	0.00	80	2454	12	1.16	219	21.22
31	2364	0	0.00	0	0.00	81	2456	11	1.07	230	22.29
32	2366	0	0.00	0	0.00	82	2457	17	1.65	247	23.93
33	2368	0	0.00	0	0.00	83	2459	12	1.16	259	25.10
34	2370	0	0.00	0	0.00	84	2461	10	0.97	269	26.07
35	2373	0	0.00	0	0.00	85	2463	19	1.84	288	27.91
36	2375	0	0.00	0	0.00	86	2465	16	1.55	304	29.46
37	2377	2	0.19	2	0.19	87	2467	24	2.33	328	31.78
38	2379	2	0.19	4	0.39	**88**	**2468**	**10**	**0.97**	**338**	**32.75**
39	2381	1	0.10	5	0.48	89	2470	17	1.65	355	34.40
40	2383	0	0.00	5	0.48	90	2472	19	1.84	374	36.24
41	2385	0	0.00	5	0.48	91	2474	15	1.45	389	37.69
42	2387	2	0.19	7	0.68	92	2476	16	1.55	405	39.24
43	2389	3	0.29	10	0.97	93	2478	10	0.97	415	40.21
44	2390	1	0.10	11	1.07	94	2480	23	2.23	438	42.44
45	2392	0	0.00	11	1.07	95	2482	13	1.26	451	43.70
46	2394	0	0.00	11	1.07	96	2484	19	1.84	470	45.54
47	2396	2	0.19	13	1.26	97	2486	21	2.03	491	47.58
48	2398	4	0.39	17	1.65	98	2488	22	2.13	513	49.71
49	2400	4	0.39	21	2.03	99	2490	14	1.36	527	51.07

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Table 9.143: Spring 2014 AZELLA Stage V Reassessment Form Frequency Distribution at Grade 12

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2492	20	1.94	547	53.00	150	2634	0	0.00	1031	99.90
101	2494	22	2.13	569	55.14	151	2639	0	0.00	1031	99.90
102	2496	9	0.87	578	56.01	152	2645	1	0.10	1032	100.00
103	2498	20	1.94	598	57.95	153	2650	0	0.00	1032	100.00
104	2500	10	0.97	608	58.91	154	2656	0	0.00	1032	100.00
105	2502	23	2.23	631	61.14	155	2662	0	0.00	1032	100.00
106	2504	20	1.94	651	63.08	156	2669	0	0.00	1032	100.00
107	2506	18	1.74	669	64.83	157	2676	0	0.00	1032	100.00
108	**2508**	**17**	**1.65**	**686**	**66.47**	158	2683	0	0.00	1032	100.00
109	2510	19	1.84	705	68.31	159	2691	0	0.00	1032	100.00
110	2512	18	1.74	723	70.06	160	2700	0	0.00	1032	100.00
111	2514	10	0.97	733	71.03	161	2709	0	0.00	1032	100.00
112	2517	18	1.74	751	72.77	162	2719	0	0.00	1032	100.00
113	2519	21	2.03	772	74.81	163	2730	0	0.00	1032	100.00
114	2521	18	1.74	790	76.55	164	2742	0	0.00	1032	100.00
115	2523	16	1.55	806	78.10	165	2755	0	0.00	1032	100.00
116	2526	17	1.65	823	79.75	166	2770	0	0.00	1032	100.00
117	2528	13	1.26	836	81.01	167	2788	0	0.00	1032	100.00
118	2530	14	1.36	850	82.36	168	2808	0	0.00	1032	100.00
119	2533	16	1.55	866	83.91	169	2832	0	0.00	1032	100.00
120	2535	13	1.26	879	85.17	170	2865	0	0.00	1032	100.00
121	2537	16	1.55	895	86.72	171	2916	0	0.00	1032	100.00
122	2540	10	0.97	905	87.69	172	3000	0	0.00	1032	100.00
123	2542	12	1.16	917	88.86						
124	2545	7	0.68	924	89.53						
125	2547	14	1.36	938	90.89						
126	2550	11	1.07	949	91.96						
127	2553	6	0.58	955	92.54						
128	2555	5	0.48	960	93.02						
129	2558	1	0.10	961	93.12						
130	2561	9	0.87	970	93.99						
131	2564	7	0.68	977	94.67						
132	2567	6	0.58	983	95.25						
133	2570	4	0.39	987	95.64						
134	2573	6	0.58	993	96.22						
135	2576	3	0.29	996	96.51						
136	2579	5	0.48	1001	97.00						
137	2582	4	0.39	1005	97.38						
138	2585	3	0.29	1008	97.67						
139	2589	3	0.29	1011	97.97						
140	2592	6	0.58	1017	98.55						
141	2596	3	0.29	1020	98.84						
142	2600	2	0.19	1022	99.03						
143	2603	1	0.10	1023	99.13						
144	2607	3	0.29	1026	99.42						
145	2611	3	0.29	1029	99.71						
146	2616	1	0.10	1030	99.81						
147	2620	0	0.00	1030	99.81						
148	2625	1	0.10	1031	99.90						
149	2629	0	0.00	1031	99.90						

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Chapter 10. VALIDITY EVIDENCE

Chapter 10 of the technical report provides evidence supporting the reliability and validity of scores on the Spring 2014 AZELLA Reassessment. All data presented in this section for the AZELLA Stages I through V assessments in the spring 2014 administration were computed using the calibration sample. The following 1999 AERA/APA/NCME standards (AERA, APA, NCME, 1999) are addressed by this section of the technical report: 1.5, 1.7, 2.1, 2.4, 2.10, 2.13, 3.16, 4.15, 6.5, 7.1, 7.3, and 7.10. The 2014 AERA/APA/NCME standards (AERA, APA, NCME, 2014) addressed by this chapter are: 1.8, 1.9, 2.3, 2.7, 2.8, 2.11, 2.15, 2.19, 3.1, 3.3, 3.6, 3.15, and 7.4.

10.1 Reliability

AERA/APA/NCME *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 1999) refer to reliability as the "consistency of [a measure] when the testing procedure is repeated on a population of individuals or groups." The 2014 edition of AERA/APA/NCME *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 2014) indicates that "The term *reliability* has been used in two ways in the measurement literature. First, the term has been used to refer to the reliability coefficients of classical test theory, refined as the correlation between scores on two equivalent forms of the test, presuming that taking one form has no effect on performance on the second form. Second, the term has been used in a more general sense, to refer to the consistency of scores across relications of a testing procedure, regardless of how this consistency is estimated or reported (e.g., in terms of standard errors, reliability coefficients per se, generalizability coefficient, error/tolerance ratios, item response theory (IRT) information functions, or various indices of classification consistency)". A reliable test produces stable scores; that is, very similar score distributions would result if the test were administered repeatedly under similar conditions to the same students without memory or fatigue affecting the scores. Reliability of the Spring 2014 AZELLA Reassessment Tests were estimated in two ways: internal consistency for all tests and reliability of scoring for all open-ended items. Please refer to Appendix A for the internal consistency and reliability of scoring for all open-ended items for AZELLA Placement Tests when they were scaled.

10.1.1 Measures of Internal Consistency

For test reliability, Coefficient Alpha is a frequently used measure of internal consistency. Coefficient Alpha is computed as (Crocker & Algina, 1986; Cronbach, 1951)

$$\alpha = \frac{k}{k-1}\left(1 - \frac{\sum \sigma_i^2}{\sigma_X^2}\right)$$

where k = the number of items, σ_X^2= the variance of total score, and σ_i^2 = the variance of item i.

Coefficient Alphas, computed based on the calibration sample for Total Combined and four domains (Listening, Speaking, Reading, and Writing) by form for each stage, are presented in Table 10.1.

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Table 10.1: Coefficient Alpha for the Spring 2014 AZELLA Reassessments

Stage	Total Combined	Domain			
		Listening	Speaking	Reading	Writing
I	0.871	0.685	0.670	0.682	0.779
II	0.899	0.663	0.796	0.776	0.753
III	0.900	0.645	0.795	0.753	0.787
IV	0.887	0.631	0.847	0.725	0.740
V	0.898	0.661	0.861	0.780	0.705

10.1.2 Interrater Reliability

For open-ended items, the consistency with which two raters assign scores to student responses is typically determined by interrater agreement. Such items include short answer writing items, extended response writing items, oral reading items, and speaking short answer items. The Speaking repeat items were excluded from the analysis because the items were scored holistically only by the trained scoring engine. In scoring the open-ended items, each student response was randomly assigned to a rater. Twenty-five percent of the student responses were scored by a second rater. Because different raters scored different responses, the interrater statistics computed did not measure the degrees of agreement or disagreements between the same two raters across the entire set of responses. Therefore, it is more accurate to describe the interrater agreement reported in this section as interrater position reliability.

The read-behind student responses were randomly selected and scored by a second rater to reduce rater drift and allow measures of rater agreement to be estimated. The statistics provided in Table 10.2 through Table 10.14 were calculated using the scores from both raters.

Cohen's kappa and the intraclass correlation are provided as indices of agreement between the first and second rating.

Cohen's kappa (Cohen, 1960) is commonly used to summarize the agreement between raters corrected for chance agreement and is computed as (Brennan & Prediger, 1981):

$$\kappa = \frac{\sum P_{ii} - \sum P_{i.}P_{.i}}{1 - \sum P_{i.}P_{.i}},$$

where $\sum P_{ii}$ is the observed proportion of agreement and $\sum P_{i.}P_{.i}$ is the chance proportion of agreement.

The Intraclass correlation is defined by Shrout and Fleiss (1979) as "the correlation between one measurement on a target and another measurement obtained on that target." In the context of the AZELLA field tests, the "target" is the student response, and each measurement was obtained by a randomly assigned rater to that response. Therefore, *ICC*(1,1) was used to estimate intraclass correlation. *ICC*(1,1) is estimated as (Shrout & Fleiss, 1979):

$$ICC(1,1) = \frac{BMS - WMS}{BMS + (k-1)WMS},$$

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where *BMS* = between-targets mean square, *WMS* = within-targets mean square, and *k* = the number of raters rating each target.

The interrater reliability coefficients described above are summarized by stage and domain in Table 10.2 through Table 10.14.

Table 10.2: Interrater Reliability Statistics for Items in Writing on Stage I

Item	Item Type	Max	Kappa	Intraclass Correlation
33	SA2	2	0.87	0.96
34	SA2	2	0.64	0.79
35	SA2	2	0.63	0.81
36	SA2	2	0.73	0.93
37	SA2	2	0.71	0.90
38	SA1	1	0.85	0.92
39	SA1	1	0.94	0.97
40	SA3	3	0.67	0.90
41	SA3	3	0.70	0.94

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.3: Interrater Reliability Statistics for Items in Speaking on Stage I

Item	Item Type	Max	Kappa	Intraclass Correlation
42	SA1	1	0.23	0.38
43	SA1	1	0.30	0.43
44	SA1	1	0.73	0.85
45	SA1	1	0.71	0.83
46	SA2	2	0.39	0.69
47	SA2	2	0.34	0.69
48	SA2	2	0.50	0.81

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.4: Interrater Reliability Statistics for Items in Reading on Stage II

Item	Item Type	Max	Kappa	Intraclass Correlation
50	SA1	1	0.54	0.70
51	SA1	1	0.48	0.65
52	SA3	3	0.46	0.84

Note: SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.5: Interrater Reliability Statistics for Items in Writing on Stage II

Item	Item Type	Max	Kappa	Intraclass Correlation
48	ER	3	0.53	0.88
49	ER	3	0.54	0.89

Note: ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.6: Interrater Reliability Statistics for Items in Speaking on Stage II

Item	Item Type	Max	Kappa	Intraclass Correlation
53	SA4	4	0.21	0.74
54	SA4	4	0.19	0.72
55	SA4	4	0.39	0.74
56	SA4	4	0.35	0.78
57	SA4	4	0.32	0.77
58	SA4	4	0.35	0.77
59	SA4	4	0.41	0.79

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.7: Interrater Reliability Statistics for Items in Reading on Stage III

Item	Item Type	Max	Kappa	Intraclass Correlation
56	SA1	1	0.27	0.42
57	SA1	1	0.45	0.61
58	SA1	1	0.43	0.61

Note: SA1=1 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.8: Interrater Reliability Statistics for Items in Writing on Stage III

Item	Item Type	Max	Kappa	Intraclass Correlation
54	ER	5	0.45	0.85
55	ER	5	0.48	0.88

Note: ER=Extended Response Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.9: Interrater Reliability Statistics for Items in Speaking on Stage III

Item	Item Type	Max	Kappa	Intraclass Correlation
59	SA4	4	0.39	0.81
60	SA4	4	0.08	0.48
61	SA4	4	0.38	0.81
62	SA4	4	0.24	0.73
63	SA4	4	0.30	0.83
64	SA4	4	0.42	0.85
65	SA4	4	0.33	0.82

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.10: Interrater Reliability Statistics for Items in Reading on Stage IV

Item	Item Type	Max	Kappa	Intraclass Correlation
61	SA1	1	0.42	0.59
62	SA1	1	0.37	0.53

Note: SA1=1 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.11: Interrater Reliability Statistics for Items in Writing on Stage IV

Item	Item Type	Max	Kappa	Intraclass Correlation
59	ER	5	0.51	0.86
60	ER	5	0.47	0.89

Note: ER=Extended Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.12: Interrater Reliability Statistics for Items in Speaking on Stage IV

Item	Item Type	Max	Kappa	Intraclass Correlation
63	SA4	4	0.25	0.72
64	SA4	4	0.34	0.82
65	SA4	4	0.22	0.77
66	SA4	4	0.34	0.83
67	SA4	4	0.39	0.88
68	SA4	4	0.29	0.67
69	SA4	4	0.32	0.81

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.13: Interrater Reliability Statistics for Items in Writing on Stage V

Item	Item Type	Max	Kappa	Intraclass Correlation
61	ER	5	0.57	0.87
62	ER	5	0.53	0.88

Note: ER=Extended Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.14: Interrater Reliability Statistics for Items in Speaking on Stage V

Item	Item Type	Max	Kappa	Intraclass Correlation
63	SA4	4	0.26	0.69
64	SA4	4	0.35	0.80
65	SA4	4	0.26	0.79
66	SA4	4	0.18	0.69
67	SA4	4	0.28	0.78
68	SA4	4	0.46	0.88
69	SA4	4	0.34	0.80

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

10.2 Validity

"Validity refers to the degree to which evidence and theory support the interpretations of test scores entailed for proposed uses of tests. Validity is, therefore, the most fundamental consideration in developing and evaluating tests" (AERA/APA/NCME, 2014). The purpose of test score validation is not to validate the test itself but to validate interpretations of the test scores for particular purposes or uses. Test score validation is not a quantifiable property but an ongoing process, beginning at initial conceptualization and continuing throughout the entire assessment process.

The Spring 2014 AZELLA tests were designed and developed to provide fair and accurate ability scores that support appropriate, meaningful, and useful educational decisions. In addition to the evidence provided in Chapter 2 (Involvement of Arizona Educators), additional validity evidence may be found in the following parts as described: Chapter 3 (Test Design), Chapter 4 (Test Construction), Chapter 5 (Test Administration), Chapter 7 (Classical Item Analysis), Chapter 8 (Calibration, Equating and Scaling), Section 10.1 (Reliability), and Chapter 11 (Classification). As the technical report has progressed, chapter by chapter, it has moved through the phases of the testing cycle. Each part of the technical report detailed the procedures and processes applied in the creation of AZELLA, as well as their results. Each part also highlights the meaning and significance of the procedures, processes, and results in terms of content and construct validity and the relationship to the Standards. Part 10.2 addresses two final issues in validity: the issues of bias and construct validity. The analyses presented here add to the perspectives provided in Chapters 2 through 10. Below is a brief review.

Chapter 2 of the technical report described the involvement of Arizona educators, ADE, and Pearson in the test development process. As indicated in Chapter 2, the test development process and the involvement of Arizona educators in that process formed an important part of the validity of the entire AZELLA. The knowledge, expertise, and professional judgment offered by Arizona educators

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ultimately ensured that the content of AZELLA formed an adequate and representative sample of appropriate content and that the content formed a legitimate basis upon which to validly derive conclusions about student achievement.

Chapters 3 and 4 of the technical report addressed the issue of test form construction. Chapter 3 provided a general discussion of the test book creation and editing process, the process of selecting operational test items, the content distribution of embedded field test items, and the process of obtaining ADE approvals. The test design process and the participation of Arizona educators in the process of test selection, including item content and bias review, provide a solid rationale for having confidence in the content and design of AZELLA as a tool from which to derive valid inferences about Arizona students' proficiency in English.

Chapter 5 of the technical report described the process, procedures, and policies that guided the administration of the AZELLA, including accommodations, security, and the written procedures provided to test administrators and school personnel.

Chapter 6 addressed the quality of human and machine scoring on the OE items. The chapter also presented the validation study of machine scoring on the Speaking items for the Spring 2014 Reassessment.

Chapter 7 described classical data analysis of the Spring 2014.

Chapter 8 of the technical report described the calibration, scaling, and equating methods, as well as processes and procedures for deriving scale scores from students' raw scores and the data cleaning steps which ensure valid calibration and scaling. Some references to introductory and advanced discussions of IRT are provided.

Chapter 9 of the technical report dealt with the test results, including descriptive statistics and proficiency levels on Overall, Total Combined, domains, and subdomains.

Chapter 10 above dealt with reliability of the AZELLA test overall as well as by domains. It described Coefficient Alpha as a measure for internal consistency. It also dealt with interrater reliability for open-ended items.

Chapter 10 below presents an analysis of Differential Item Functioning (DIF) complete with tables of gender and ethnic functioning of all operational items for the Spring 2014 AZELLA assessments.

Chapter 11 of the technical report will describe a detailed analysis of classification consistency and classification accuracy.

Additional evidence to support the validity of the Spring 2014 AZELLA assessments is provided by the following:

- Any items that displayed differential item functioning for subgroups of ethnicity and gender were identified.
- Correlations between scores on the domains of the Spring 2014 AZELLA tests for each stage as construct validity were presented.

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Also note that further evidence in support of the AZELLA assessment has been documented in the standard setting technical reports.

10.2.1 Differential Item Functioning

Because test scores can have many sources of variation, the test developers' task is to create assessments that measure the intended abilities and skills without introducing extraneous elements or construct irrelevant variance. When tests measure something other than what they are intended to measure, test scores will reflect these unintended skills and knowledge, as well as what is purportedly assessed by the test. If this occurs, these tests can be called biased (Angoff, 1993; Camilli & Shepard, 1994; Green, 1975; Zumbo, 1999). One of the factors that may render test scores as biased is differing cultural and socioeconomic experiences.

Analysis of Differential Item Functioning (DIF) is a statistical method to detect potential bias of an item. DIF is defined as a difference between groups (e.g., male and female) in the probability of getting an item correct. These analyzes are conditioned on the ability that the assessment is intended to measure. Two types of DIF, namely uniform DIF and non-uniform DIF, are investigated. Uniform DIF means that, given the ability, the probability of getting an item correct is always higher for one subgroup than the other across the full range of the ability continuum. In other words, the direction of DIF remains the same on the entire ability continuum. On the other hand, non-uniform DIF occurs when the direction of DIF changes at some point within the ability continuum. DIF is an indicator that the item might exhibit bias for one group over the other, not that it actually does. If DIF exists on an item, a committee composed of a group of subject experts reviews the item to determine whether it actually shows bias. To date, many DIF detection methods have been proposed. For the AZELLA tests administered during the 2012-2013 school year, three DIF methods were used.

The Mantel-Haenszel method (Holland & Thayer, 1988; Mantel & Haenszel, 1959) was used to investigate DIF on one-point items. The Mantel-Haenszel method is frequently used and efficient in terms of statistical power (Clauser & Mazor, 1998). The Mantel-Haenszel chi-square statistic is computed as

$$MH-\chi^2=\frac{(\sum_k F_k-\sum_k E(F_k))^2}{\sum_k Var(F_k)},$$

where F_k is the sum of scores for the focal group at the *k*th level of the matching variable (Zwick, Donoghue, & Grima, 1993). Note that the Mantel-Haenszel statistic is sensitive to *N* such that larger sample sizes increase the value of chi-square.

In addition to the Mantel-Haenszel chi-square statistic, the Mantel-Haenszel delta statistic (MH-D DIF) was computed. Educational Testing Service (ETS) first developed the MH-D DIF statistic. To compute the MH-D DIF, the Mantel-Haenszel alpha (the odds ratio) is first computed

$$\alpha_{MH}=\frac{\sum_{k=1}^{K} N_{r1k}N_{f0k}/N_k}{\sum_{k=1}^{K} N_{f1k}N_{r0k}/N_k},$$

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where N_{r1k} is the number of correct responses in the reference group at ability level *k*, N_{f0k} is the number of incorrect responses in the focal group at ability level *k*, N_k is the total number of responses, N_{f1k} is the number of correct responses in the focal group at ability level *k*, and N_{r0k} is the number of incorrect responses in the reference group at ability level *k*. The *MH-D DIF* is the computed as

$$MH\text{-}D\ DIF = -2.35\ln(\alpha_{MH}).$$

Positive values of *MH-D DIF* indicate items that favor the focal group, whereas negative values of *MH-D DIF* indicate items that favor the reference group.

The Mantel-Haenszel chi-square statistic and the *MH-D DIF* were used in combination to identify the field test items that exhibit strong, weak, or no DIF (Zieky, 1993). The summary of DIF classification criteria is presented in Table 10.15. An alpha level of .01 was used for all Mantel-Haenszel statistics.

Table 10.15: Differential Item Functioning Flag Categories based on the Mantel-Haenszel Statistics

Category	Description	Criterion
A	No DIF	Mantel-Haenszel chi-square not significantly different from 0 or $\|MH\text{-}D\ DIF\|<1.0$
B	Weak DIF	Significant Mantel-Haenszel chi-square ($p<.01$) and $1.0\leq\|MH\text{-}D\ DIF\|<1.5$
C	Strong DIF	Significant Mantel-Haenszel chi-square ($p<.01$) and $\|MH\text{-}D\ DIF\|\geq 1.5$

The standardized mean difference (*SMD*; Zwick et al., 1993) is another DIF method applied to one-point items as well as multiple-point items The *SMD* is an effect size index of DIF. It compares the mean scores of the reference and focal groups for an item, adjusting for the distribution of reference and focal group on the conditioning variable, which for the analyses is the raw score. The *SMD* is computed as

$$SMD = \sum_k P_{F_k}(m_{F_k} - m_{R_k}),$$

Where P_{F_k} is the proportion of the focal group at the *k*th level of the matching variable, m_{F_k} is the mean score on the item for the focal group at the *k*th level of the matching variable, and m_{R_k} is the mean score on the item for the reference group at the *k*th level of the matching variable (Zwick et al., 1993). A negative *SMD* value indicates that an item on which the focal group has a lower mean than the reference group, conditioning on the matching variable. On the other hand, a positive *SMD* value indicates an item on which the reference group has a lower mean than the focal group, conditioning on the matching variable. The summary of DIF classification criteria for SMD is presented in Table 10.16. An alpha level of .01 was used for all SMD statistics.

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Table 10.16: Differential Item Functioning Flag Categories based on the SMD Statistics

Category	Description	Criterion
A	No DIF	*SMD* not significantly different from 0 or $\|SMD\|<0.17$
B	Weak DIF	Significant *SMD* ($p<.01$) and $0.17 \leq \|SMD\| < 0.25$
C	Strong DIF	Significant *SMD* ($p<.01$) and $\|SMD\| \geq 0.25$

DIF statistics are summarized by stage and domain in Table 10.17 through 10.76. Note that DIF flags for one-point items are based on the Mantel-Haenszel statistics while DIF flags for multiple-point items are based on the *SMD* statistics.

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Table 10.17: DIF Statistics based on ELL Students for Items in Reading on Stage I

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	5190	5532	2.43	0.19	0.02	A	9549	1184	1.78	-0.26	-0.04	A	535	10198	0.02	0.04	0.01	A	726	10007	0.22	-0.10	-0.02	A
16	MC	5190	5532	8.04	-0.33	-0.05	A	9549	1184	2.48	-0.31	-0.05	A	535	10198	0.00	0.00	0.00	A	726	10007	6.28	0.60	0.10	A
17	MC	5190	5532	4.80	0.29	0.04	A	9549	1184	8.01	0.57	0.08	A	535	10198	5.22	-0.64	-0.09	A	726	10007	6.75	-0.60	-0.11	A
18	MC	5190	5532	0.59	-0.09	-0.01	A	9549	1184	0.05	0.04	0.00	A	535	10198	4.98	-0.57	-0.09	A	726	10007	4.58	-0.47	-0.08	A
19	MC	5190	5532	1.48	0.16	0.02	A	9549	1184	6.20	-0.53	-0.07	A	535	10198	18.37	-1.14	-0.17	B<	726	10007	6.63	0.63	0.10	A
20	MC	5190	5532	0.98	-0.09	-0.02	A	9549	1184	31.25	-0.84	-0.17	A	535	10198	0.02	0.03	0.01	A	726	10007	9.36	0.56	0.12	A
21	MC	5190	5532	0.08	-0.03	-0.01	A	9549	1184	5.19	-0.38	-0.06	A	535	10198	1.93	-0.31	-0.06	A	726	10007	10.63	-0.62	-0.13	A
22	MC	5190	5532	3.69	-0.20	-0.03	A	9549	1184	1.05	0.17	0.03	A	535	10198	0.20	-0.10	-0.02	A	726	10007	3.00	-0.34	-0.06	A
23	MC	5190	5532	30.80	-0.56	-0.09	A	9549	1184	2.54	0.27	0.04	A	535	10198	1.87	0.31	0.06	A	726	10007	0.07	-0.05	-0.01	A
24	MC	5190	5532	26.15	-0.49	-0.09	A	9549	1184	2.25	-0.23	-0.05	A	535	10198	0.97	0.21	0.04	A	726	10007	5.03	-0.43	-0.08	A
25	MC	5190	5532	3.11	0.18	0.03	A	9549	1184	1.94	-0.23	-0.04	A	535	10198	3.85	0.45	0.08	A	726	10007	0.65	0.16	0.03	A
26	MC	5190	5532	0.81	-0.09	-0.02	A	9549	1184	1.68	0.20	0.04	A	535	10198	0.12	-0.08	-0.02	A	726	10007	3.23	0.34	0.07	A
27	MC	5190	5532	2.76	0.16	0.03	A	9549	1184	2.94	0.26	0.05	A	535	10198	3.74	-0.42	-0.08	A	726	10007	0.02	0.02	0.00	A
28	MC	5190	5532	1.13	-0.14	-0.02	A	9549	1184	0.10	0.06	0.01	A	535	10198	2.10	0.43	0.06	A	726	10007	0.50	0.16	0.03	A
29	MC	5190	5532	2.57	-0.15	-0.04	A	9549	1184	2.83	-0.26	-0.05	A	535	10198	6.12	0.55	0.11	A	726	10007	3.00	0.32	0.07	A
30	MC	5190	5532	1.54	-0.14	-0.02	A	9549	1184	0.78	0.16	0.02	A	535	10198	0.08	0.07	0.01	A	726	10007	3.02	-0.35	-0.07	A
31	MC	5190	5532	21.99	-0.49	-0.08	A	9549	1184	22.68	0.77	0.14	A	535	10198	1.17	-0.25	-0.04	A	726	10007	0.00	-0.01	0.00	A
32	MC	5190	5532	8.39	0.28	0.05	A	9549	1184	0.76	0.13	0.02	A	535	10198	2.20	-0.32	-0.06	A	726	10007	0.68	-0.16	-0.03	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.18: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage I

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	7062	3671	0.02	0.02	0.00	A	7062	806	0.42	0.15	0.02	A	2865	806	0.48	0.17	0.02	A	35	806	0.62	0.85	0.14	A
16	MC	7062	3671	3.66	-0.24	-0.04	A	7062	806	3.17	-0.42	-0.07	A	2865	806	0.97	-0.25	-0.04	A	35	806	0.26	-0.50	-0.09	A
17	MC	7062	3671	1.72	0.18	0.02	A	7062	806	1.27	-0.29	-0.04	A	2865	806	4.55	-0.58	-0.08	A	35	806	3.43	-1.77	-0.32	A
18	MC	7062	3671	4.88	0.28	0.04	A	7062	806	5.42	0.52	0.07	A	2865	806	1.74	0.32	0.04	A	35	806	0.10	-0.31	-0.05	A
19	MC	7062	3671	28.29	0.71	0.10	A	7062	806	11.70	0.81	0.11	A	2865	806	0.23	0.12	0.01	A	35	806	4.12	2.32	0.34	A
20	MC	7062	3671	33.89	-0.57	-0.12	A	7062	806	6.05	-0.43	-0.09	A	2865	806	0.69	0.16	0.03	A	35	806	0.03	-0.15	-0.03	A
21	MC	7062	3671	5.83	-0.26	-0.05	A	7062	806	0.72	0.16	0.03	A	2865	806	6.54	0.53	0.10	A	35	806	0.21	0.39	0.08	A
22	MC	7062	3671	0.19	0.05	0.01	A	7062	806	0.10	0.06	0.01	A	2865	806	0.00	0.00	0.00	A	35	806	3.50	1.60	0.31	A
23	MC	7062	3671	4.12	0.22	0.04	A	7062	806	1.89	0.26	0.05	A	2865	806	0.04	0.04	0.01	A	35	806	2.25	-1.36	-0.25	A
24	MC	7062	3671	7.75	-0.28	-0.06	A	7062	806	2.43	-0.28	-0.06	A	2865	806	0.03	-0.03	0.00	A	35	806	0.00	-0.06	-0.01	A
25	MC	7062	3671	1.01	-0.11	-0.02	A	7062	806	0.14	-0.07	-0.01	A	2865	806	0.10	0.06	0.01	A	35	806	0.83	-0.92	-0.15	A
26	MC	7062	3671	0.16	-0.04	-0.01	A	7062	806	0.21	-0.08	-0.01	A	2865	806	0.10	-0.06	-0.01	A	35	806	0.56	0.67	0.12	A
27	MC	7062	3671	0.23	-0.05	-0.01	A	7062	806	1.99	-0.26	-0.05	A	2865	806	1.45	-0.24	-0.04	A	35	806	4.15	-1.66	-0.34	A
28	MC	7062	3671	1.27	-0.15	-0.02	A	7062	806	1.41	-0.29	-0.04	A	2865	806	0.51	-0.19	-0.02	A	35	806	0.67	0.99	0.15	A
29	MC	7062	3671	15.07	-0.39	-0.08	A	7062	806	11.94	-0.64	-0.13	A	2865	806	3.06	-0.35	-0.06	A	35	806	1.11	0.85	0.19	A
30	MC	7062	3671	0.22	0.05	0.01	A	7062	806	0.34	0.12	0.02	A	2865	806	0.16	0.09	0.02	A	35	806	0.02	-0.15	-0.03	A
31	MC	7062	3671	0.07	0.03	0.00	A	7062	806	7.62	-0.55	-0.09	A	2865	806	11.18	-0.72	-0.13	A	35	806	6.81	-2.63	-0.42	C<
32	MC	7062	3671	0.09	-0.03	-0.01	A	7062	806	5.06	-0.41	-0.08	A	2865	806	5.67	-0.47	-0.10	A	35	806	2.57	-1.34	-0.26	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.19: DIF Statistics based on ELL and FEP Students for Items in Reading on Stage I

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	11356	10733	26.08	0.55	0.06	A	18009	3577	0.02	0.02	0.01	A
16	MC	11356	10733	0.26	-0.05	0.00	A	18009	3577	0.79	-0.11	-0.01	A
17	MC	11356	10733	57.42	0.94	0.07	A	18009	3577	2.38	-0.25	-0.03	A
18	MC	11356	10733	0.03	-0.02	-0.01	A	18009	3577	0.85	0.12	0.01	A
19	MC	11356	10733	8.45	-0.33	-0.03	A	18009	3577	0.04	-0.03	0.00	A
20	MC	11356	10733	20.56	0.32	0.09	A	18009	3577	133.84	-1.12	-0.18	B<
21	MC	11356	10733	19.74	0.37	0.06	A	18009	3577	25.58	-0.58	-0.08	A
22	MC	11356	10733	0.70	0.07	0.02	A	18009	3577	0.12	-0.04	0.00	A
23	MC	11356	10733	12.33	0.29	0.05	A	18009	3577	1.78	0.15	0.03	A
24	MC	11356	10733	2.56	0.12	0.03	A	18009	3577	6.14	-0.24	-0.03	A
25	MC	11356	10733	0.63	0.06	0.01	A	18009	3577	3.17	-0.18	-0.02	A
26	MC	11356	10733	10.30	-0.24	-0.03	A	18009	3577	5.95	-0.23	-0.04	A
27	MC	11356	10733	3.80	-0.15	-0.02	A	18009	3577	2.59	-0.16	-0.02	A
28	MC	11356	10733	50.15	0.83	0.07	A	18009	3577	2.83	-0.27	-0.03	A
29	MC	11356	10733	73.60	0.64	0.11	A	18009	3577	23.83	-0.49	-0.08	A
30	MC	11356	10733	28.12	0.50	0.05	A	18009	3577	0.21	-0.06	0.00	A
31	MC	11356	10733	100.41	0.84	0.09	A	18009	3577	1.78	-0.15	-0.02	A
32	MC	11356	10733	12.96	0.27	0.06	A	18009	3577	1.80	-0.13	-0.02	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.20: DIF Statistics based on ELL Students for Items in Writing on Stage I

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
33	SA2	5190	5532	12.09		0.06	A	9549	1184	1.14		0.01	A	535	10198	1.06		0.04	A	726	10007	0.88		-0.03	A
34	SA2	5190	5532	55.33		0.14	A	9549	1184	13.26		-0.08	A	535	10198	0.10		0.01	A	726	10007	10.61		-0.11	A
35	SA2	5190	5532	44.49		0.10	A	9549	1184	5.54		0.05	A	535	10198	2.27		0.06	A	726	10007	5.64		-0.09	A
36	SA2	5190	5532	9.19		0.04	A	9549	1184	0.91		-0.02	A	535	10198	5.19		-0.05	A	726	10007	11.86		-0.12	A
37	SA2	5190	5532	11.81		0.05	A	9549	1184	0.67		0.03	A	535	10198	5.09		-0.07	A	726	10007	2.72		-0.04	A
38	SA1	5190	5532	6.01	0.24	0.05	A	9549	1184	1.13	0.16	0.03	A	535	10198	0.04	0.05	0.01	A	726	10007	1.30	-0.21	-0.04	A
39	SA1	5190	5532	0.23	0.05	0.01	A	9549	1184	7.40	0.43	0.08	A	535	10198	34.36	-1.35	-0.24	B<	726	10007	0.00	0.00	0.00	A
40	SA3	5190	5532	29.59		0.08	A	9549	1184	0.75		-0.01	A	535	10198	4.65		-0.04	A	726	10007	5.99		-0.05	A
41	SA3	5190	5532	17.05		0.06	A	9549	1184	2.85		-0.03	A	535	10198	7.16		-0.06	A	726	10007	6.54		-0.05	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.21: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage I

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
33	SA2	7062	3671	32.36		0.08	A	7062	806	5.10		0.03	A	2865	806	2.69		-0.06	A	35	806	1.31		0.12	A
34	SA2	7062	3671	7.85		-0.04	A	7062	806	1.10		0.03	A	2865	806	6.80		0.09	A	35	806	2.27		0.23	A
35	SA2	7062	3671	19.21		0.06	A	7062	806	8.14		0.09	A	2865	806	3.70		0.03	A	35	806	0.03		-0.01	A
36	SA2	7062	3671	50.28		0.11	A	7062	806	35.06		0.17	B>	2865	806	8.07		0.08	A	35	806	1.63		0.15	A
37	SA2	7062	3671	46.39		0.09	A	7062	806	24.50		0.15	A	2865	806	7.41		0.08	A	35	806	1.59		0.07	A
38	SA1	7062	3671	2.81	0.17	0.03	A	7062	806	0.00	0.00	0.00	A	2865	806	1.04	-0.20	-0.05	A	35	806	0.02	-0.10	-0.02	A
39	SA1	7062	3671	3.10	0.18	0.03	A	7062	806	0.18	0.08	0.02	A	2865	806	0.39	-0.12	-0.02	A	35	806	4.23	-2.00	-0.34	A
40	SA3	7062	3671	31.98		0.08	A	7062	806	16.33		0.07	A	2865	806	2.53		0.01	A	35	806	1.81		0.02	A
41	SA3	7062	3671	31.04		0.07	A	7062	806	17.56		0.11	A	2865	806	3.63		0.06	A	35	806	3.19		0.17	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.22: DIF Statistics based on ELL and FEP Students for Items in Writing on Stage I

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
33	SA2	11356	10733	68.81		-0.10	A	18009	3577	19.92		0.07	A
34	SA2	11356	10733	84.17		-0.12	A	18009	3577	30.54		-0.08	A
35	SA2	11356	10733	47.22		-0.07	A	18009	3577	3.79		0.02	A
36	SA2	11356	10733	13.17		-0.02	A	18009	3577	12.75		0.06	A
37	SA2	11356	10733	86.78		-0.07	A	18009	3577	9.59		-0.01	A
38	SA1	11356	10733	3.08	-0.13	-0.04	A	18009	3577	0.31	0.05	0.01	A
39	SA1	11356	10733	19.09	-0.33	-0.05	A	18009	3577	0.03	0.02	0.02	A
40	SA3	11356	10733	85.22		-0.08	A	18009	3577	41.17		0.02	A
41	SA3	11356	10733	64.37		-0.04	A	18009	3577	24.82		-0.01	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.23: DIF Statistics based on ELL Students for Items in Listening on Stage I

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	5190	5532	0.36	-0.07	-0.01	A	9549	1184	8.86	-0.57	-0.08	A	535	10198	3.96	-0.51	-0.09	A	726	10007	0.52	-0.15	-0.03	A
2	MC	5190	5532	15.46	-0.44	-0.07	A	9549	1184	2.03	-0.26	-0.05	A	535	10198	1.94	-0.34	-0.06	A	726	10007	2.71	0.35	0.06	A
3	MC	5190	5532	2.99	-0.17	-0.03	A	9549	1184	29.28	-0.91	-0.16	A	535	10198	0.07	0.06	0.01	A	726	10007	0.40	-0.12	-0.02	A
4	MC	5190	5532	5.51	-0.27	-0.05	A	9549	1184	0.89	-0.17	-0.03	A	535	10198	0.03	0.05	0.01	A	726	10007	5.80	0.54	0.09	A
5	MC	5190	5532	1.30	-0.13	-0.02	A	9549	1184	0.11	0.06	0.01	A	535	10198	0.00	0.01	0.00	A	726	10007	10.96	0.76	0.13	A
6	MC	5190	5532	2.76	-0.17	-0.03	A	9549	1184	0.05	-0.04	0.00	A	535	10198	0.51	0.17	0.03	A	726	10007	0.30	-0.11	-0.02	A
7	MC	5190	5532	15.95	0.44	0.07	A	9549	1184	8.90	0.52	0.08	A	535	10198	0.13	-0.09	-0.01	A	726	10007	7.36	-0.57	-0.10	A
8	MC	5190	5532	10.39	0.30	0.06	A	9549	1184	3.88	0.29	0.05	A	535	10198	1.74	-0.28	-0.06	A	726	10007	9.97	-0.59	-0.12	A
9	MC	5190	5532	0.25	-0.06	-0.01	A	9549	1184	7.62	0.48	0.08	A	535	10198	1.85	-0.34	-0.06	A	726	10007	0.64	0.17	0.03	A
10	MC	5190	5532	11.29	0.39	0.06	A	9549	1184	0.07	0.05	0.01	A	535	10198	5.28	0.64	0.10	A	726	10007	0.00	0.01	0.00	A
11	MC	5190	5532	4.07	0.23	0.04	A	9549	1184	29.24	0.92	0.16	A	535	10198	1.17	-0.27	-0.04	A	726	10007	4.96	-0.45	-0.09	A
12	MC	5190	5532	0.12	0.04	0.00	A	9549	1184	11.72	0.55	0.10	A	535	10198	1.79	0.31	0.06	A	726	10007	0.46	-0.13	-0.03	A
13	MC	5190	5532	0.67	0.08	0.02	A	9549	1184	5.52	0.38	0.07	A	535	10198	3.37	-0.42	-0.08	A	726	10007	5.48	-0.46	-0.09	A
14	MC	5190	5532	0.01	-0.01	0.00	A	9549	1184	0.03	-0.03	0.00	A	535	10198	0.43	-0.15	-0.03	A	726	10007	0.79	0.17	0.03	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference,
A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.24: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage I

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	7062	3671	7.61	-0.33	-0.05	A	7062	806	0.18	-0.09	-0.02	A	2865	806	1.47	0.28	0.05	A	35	806	0.01	0.07	0.01	A
2	MC	7062	3671	0.63	0.09	0.01	A	7062	806	0.11	-0.07	-0.01	A	2865	806	0.78	-0.20	-0.04	A	35	806	0.49	-0.61	-0.12	A
3	MC	7062	3671	9.85	-0.33	-0.06	A	7062	806	1.13	-0.20	-0.04	A	2865	806	0.45	0.14	0.03	A	35	806	0.05	-0.19	-0.04	A
4	MC	7062	3671	2.54	-0.19	-0.03	A	7062	806	4.37	-0.46	-0.07	A	2865	806	2.54	-0.37	-0.05	A	35	806	0.09	-0.29	-0.05	A
5	MC	7062	3671	3.61	-0.23	-0.04	A	7062	806	1.90	-0.31	-0.05	A	2865	806	0.19	-0.10	-0.02	A	35	806	0.17	0.44	0.07	A
6	MC	7062	3671	8.20	-0.30	-0.05	A	7062	806	3.47	-0.36	-0.07	A	2865	806	0.25	-0.10	-0.02	A	35	806	4.19	-1.79	-0.32	A
7	MC	7062	3671	2.20	-0.17	-0.03	A	7062	806	1.33	-0.23	-0.03	A	2865	806	0.25	-0.11	-0.01	A	35	806	0.38	-0.59	-0.10	A
8	MC	7062	3671	3.43	0.18	0.03	A	7062	806	3.73	0.34	0.08	A	2865	806	1.40	0.23	0.04	A	35	806	0.79	-0.75	-0.15	A
9	MC	7062	3671	14.15	0.44	0.07	A	7062	806	0.37	0.13	0.02	A	2865	806	2.96	-0.39	-0.07	A	35	806	0.83	-0.81	-0.16	A
10	MC	7062	3671	1.52	-0.15	-0.03	A	7062	806	3.81	-0.44	-0.07	A	2865	806	2.74	-0.40	-0.06	A	35	806	1.69	1.50	0.22	A
11	MC	7062	3671	2.25	0.18	0.03	A	7062	806	3.60	-0.41	-0.06	A	2865	806	10.36	-0.75	-0.12	A	35	806	0.16	0.39	0.07	A
12	MC	7062	3671	0.35	0.06	0.01	A	7062	806	2.70	-0.32	-0.06	A	2865	806	5.42	-0.49	-0.08	A	35	806	1.30	0.98	0.19	A
13	MC	7062	3671	0.25	-0.05	-0.01	A	7062	806	0.02	0.03	0.01	A	2865	806	0.37	0.12	0.03	A	35	806	0.55	0.64	0.12	A
14	MC	7062	3671	0.95	-0.10	-0.02	A	7062	806	0.30	-0.10	-0.02	A	2865	806	0.00	-0.01	0.00	A	35	806	0.16	0.34	0.07	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference,
A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.25: DIF Statistics based on ELL and FEP Students for Items in Listening on Stage I

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	11356	10733	19.96	0.43	0.06	A	18009	3577	3.88	-0.26	-0.03	A
2	MC	11356	10733	0.89	0.09	0.00	A	18009	3577	2.76	-0.20	-0.03	A
3	MC	11356	10733	98.25	0.82	0.14	A	18009	3577	19.36	-0.51	-0.07	A
4	MC	11356	10733	31.27	0.55	0.05	A	18009	3577	3.72	-0.25	-0.03	A
5	MC	11356	10733	22.28	0.47	0.05	A	18009	3577	4.00	0.25	0.03	A
6	MC	11356	10733	102.33	0.81	0.12	A	18009	3577	13.99	-0.42	-0.06	A
7	MC	11356	10733	147.11	1.14	0.12	B>	18009	3577	2.70	-0.21	-0.03	A
8	MC	11356	10733	2.95	-0.12	-0.03	A	18009	3577	1.98	-0.13	-0.01	A
9	MC	11356	10733	1.25	0.11	0.00	A	18009	3577	0.42	0.08	0.02	A
10	MC	11356	10733	157.85	1.35	0.12	B>	18009	3577	0.15	0.05	0.00	A
11	MC	11356	10733	5.89	0.23	0.01	A	18009	3577	4.37	0.25	0.04	A
12	MC	11356	10733	18.00	0.35	0.05	A	18009	3577	0.62	-0.09	-0.01	A
13	MC	11356	10733	14.91	0.31	0.04	A	18009	3577	0.37	0.06	0.01	A
14	MC	11356	10733	91.88	0.73	0.12	A	18009	3577	4.93	-0.23	-0.04	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.26: DIF Statistics based on ELL Students for Items in Speaking on Stage I

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
42	SA1	5190	5532	3.44	-0.19	-0.03	A	9549	1184	1.75	0.22	0.04	A	535	10198	0.07	0.06	0.01	A	726	10007	0.95	0.20	0.04	A
43	SA1	5190	5532	0.67	-0.13	-0.01	A	9549	1184	1.01	0.25	0.02	A	535	10198	5.89	1.06	0.11	A	726	10007	0.85	-0.26	-0.04	A
44	SA1	5190	5532	32.11	-0.57	-0.10	A	9549	1184	9.25	-0.49	-0.09	A	535	10198	0.49	-0.16	-0.03	A	726	10007	6.73	0.50	0.10	A
45	SA1	5190	5532	28.51	-0.65	-0.10	A	9549	1184	4.58	-0.40	-0.06	A	535	10198	2.30	0.41	0.06	A	726	10007	6.52	0.62	0.09	A
46	SA2	5190	5532	7.57		-0.01	A	9549	1184	2.84		0.01	A	535	10198	6.23		0.10	A	726	10007	3.18		0.00	A
47	SA2	5190	5532	2.45		0.00	A	9549	1184	6.10		0.07	A	535	10198	5.01		0.09	A	726	10007	10.30		-0.05	A
48	SA2	5190	5532	2.26		0.03	A	9549	1184	0.46		-0.03	A	535	10198	1.93		-0.05	A	726	10007	4.19		0.03	A
49	SA4	5190	5532	6.39		0.00	A	9549	1184	12.59		0.01	A	535	10198	26.41		0.16	A	726	10007	51.85		-0.18	B<

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.27: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage I

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
42	SA1	7062	3671	0.94	0.11	0.02	A	7062	806	2.18	-0.30	-0.05	A	2865	806	5.37	-0.51	-0.10	A	35	806	0.00	-0.01	0.00	A
43	SA1	7062	3671	0.16	-0.07	-0.01	A	7062	806	0.01	-0.03	0.00	A	2865	806	0.01	0.04	0.00	A	35	806	2.23	3.41	0.27	A
44	SA1	7062	3671	0.06	-0.03	-0.01	A	7062	806	0.00	0.01	0.00	A	2865	806	0.01	0.02	0.00	A	35	806	0.21	-0.42	-0.08	A
45	SA1	7062	3671	26.41	-0.65	-0.10	A	7062	806	5.93	-0.56	-0.09	A	2865	806	0.04	0.05	0.02	A	35	806	0.14	0.42	0.05	A
46	SA2	7062	3671	6.40		-0.03	A	7062	806	2.62		-0.05	A	2865	806	0.77		-0.02	A	35	806	2.86		0.04	A
47	SA2	7062	3671	4.35		0.04	A	7062	806	4.76		0.01	A	2865	806	9.72		-0.03	A	35	806	0.58		0.12	A
48	SA2	7062	3671	5.60		-0.02	A	7062	806	1.62		-0.03	A	2865	806	0.25		-0.01	A	35	806	2.01		-0.20	A
49	SA4	7062	3671	54.75		-0.03	A	7062	806	11.70		-0.05	A	2865	806	2.86		-0.03	A	35	806	12.26		0.39	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item , NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.28: DIF Statistics based on ELL and FEP Students for Items in Speaking on Stage I

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
42	SA1	11356	10733	4.73	0.18	0.02	A	18009	3577	1.57	0.13	0.02	A
43	SA1	11356	10733	8.29	0.42	0.03	A	18009	3577	0.30	0.10	0.00	A
44	SA1	11356	10733	10.40	0.26	0.04	A	18009	3577	4.43	-0.22	-0.03	A
45	SA1	11356	10733	165.41	1.03	0.18	B>	18009	3577	45.62	-0.65	-0.11	A
46	SA2	11356	10733	148.84		0.12	A	18009	3577	4.34		-0.02	A
47	SA2	11356	10733	74.90		0.07	A	18009	3577	4.87		0.03	A
48	SA2	11356	10733	19.20		0.05	A	18009	3577	8.17		0.03	A
49	SA4	11356	10733	1014.32		0.32	C>	18009	3577	40.57		-0.03	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.29: DIF Statistics based on ELL Students for Items in Reading on Stage II

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	13229	14918	0.02	0.01	0.00	A	24641	3534	6.18	0.26	0.04	A	1985	26190	1.44	-0.16	-0.03	A	2102	26073	1.10	-0.13	-0.03	A
16	MC	13229	14918	1.86	-0.10	-0.01	A	24641	3534	1.12	-0.12	-0.02	A	1985	26190	0.02	-0.02	0.00	A	2102	26073	1.91	0.18	0.03	A
17	MC	13229	14918	0.38	-0.05	-0.01	A	24641	3534	59.83	-0.96	-0.13	A	1985	26190	17.23	0.62	0.09	A	2102	26073	9.54	-0.39	-0.07	A
18	MC	13229	14918	11.00	0.20	0.04	A	24641	3534	11.92	0.31	0.06	A	1985	26190	0.80	-0.11	-0.02	A	2102	26073	1.10	-0.12	-0.02	A
19	MC	13229	14918	1.66	0.08	0.01	A	24641	3534	0.39	-0.06	-0.01	A	1985	26190	0.48	-0.08	-0.02	A	2102	26073	7.02	-0.31	-0.06	A
20	MC	13229	14918	0.32	-0.04	-0.01	A	24641	3534	48.89	-0.84	-0.11	A	1985	26190	10.92	0.49	0.07	A	2102	26073	6.68	-0.33	-0.06	A
21	MC	13229	14918	24.80	-0.33	-0.05	A	24641	3534	19.75	-0.45	-0.07	A	1985	26190	9.08	0.38	0.06	A	2102	26073	2.63	0.19	0.03	A
22	MC	13229	14918	24.65	0.30	0.06	A	24641	3534	13.43	0.33	0.06	A	1985	26190	0.58	0.09	0.02	A	2102	26073	8.09	0.33	0.06	A
23	MC	13229	14918	4.70	-0.13	-0.02	A	24641	3534	0.26	0.05	0.01	A	1985	26190	3.08	0.21	0.04	A	2102	26073	1.14	-0.13	-0.02	A
24	MC	13229	14918	0.68	-0.05	-0.01	A	24641	3534	21.41	0.43	0.08	A	1985	26190	3.39	-0.22	-0.04	A	2102	26073	4.30	-0.24	-0.05	A
25	MC	13229	14918	10.83	0.21	0.04	A	24641	3534	0.22	-0.05	-0.01	A	1985	26190	1.27	-0.14	-0.02	A	2102	26073	3.57	-0.22	-0.04	A
26	MC	13229	14918	14.03	0.23	0.04	A	24641	3534	4.73	-0.21	-0.04	A	1985	26190	2.79	0.20	0.04	A	2102	26073	1.63	0.15	0.03	A
27	MC	13229	14918	55.89	0.45	0.08	A	24641	3534	2.10	-0.13	-0.02	A	1985	26190	1.62	-0.15	-0.03	A	2102	26073	0.13	-0.04	-0.01	A
28	MC	13229	14918	0.36	0.04	0.01	A	24641	3534	1.50	-0.11	-0.02	A	1985	26190	0.59	-0.09	-0.02	A	2102	26073	0.19	-0.05	-0.01	A
29	MC	13229	14918	0.56	-0.05	-0.01	A	24641	3534	5.24	-0.21	-0.04	A	1985	26190	1.33	-0.14	-0.03	A	2102	26073	0.46	0.08	0.01	A
30	MC	13229	14918	3.71	0.12	0.02	A	24641	3534	0.62	-0.07	-0.01	A	1985	26190	2.51	-0.19	-0.03	A	2102	26073	8.82	-0.35	-0.06	A
31	MC	13229	14918	112.59	-0.66	-0.12	A	24641	3534	7.49	-0.26	-0.04	A	1985	26190	0.08	0.03	0.01	A	2102	26073	4.28	0.24	0.04	A
32	MC	13229	14918	10.33	-0.19	-0.04	A	24641	3534	4.07	-0.18	-0.04	A	1985	26190	0.32	-0.06	-0.01	A	2102	26073	0.12	-0.04	-0.01	A
33	MC	13229	14918	0.46	-0.04	-0.01	A	24641	3534	0.33	-0.05	-0.01	A	1985	26190	0.00	0.00	0.00	A	2102	26073	0.25	-0.06	-0.01	A
34	MC	13229	14918	1.57	-0.08	-0.01	A	24641	3534	0.53	-0.07	-0.01	A	1985	26190	0.19	-0.05	-0.01	A	2102	26073	0.00	0.00	0.00	A
50	SA1	13229	14918	0.37	-0.04	-0.01	A	24641	3534	4.27	-0.19	-0.04	A	1985	26190	3.43	0.22	0.04	A	2102	26073	0.01	-0.01	0.00	A
51	SA1	13229	14918	0.03	-0.01	0.00	A	24641	3534	1.82	0.12	0.02	A	1985	26190	1.18	0.12	0.02	A	2102	26073	2.62	-0.18	-0.03	A
52	SA3	13229	14918	155.37		-0.12	A	24641	3534	48.09		-0.07	A	1985	26190	12.47		0.02	A	2102	26073	0.95		-0.01	A

Note: MC=Multiple-choice Items, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.30: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage II

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	17447	10728	19.46	-0.32	-0.05	A	17447	3516	23.64	-0.55	-0.09	A	7212	3516	6.44	-0.32	-0.05	A	182	3516	8.05	-1.16	-0.21	B<
16	MC	17447	10728	3.92	-0.15	-0.02	A	17447	3516	2.04	-0.17	-0.02	A	7212	3516	0.01	-0.02	0.00	A	182	3516	0.82	0.46	0.06	A
17	MC	17447	10728	35.83	-0.46	-0.07	A	17447	3516	14.12	-0.45	-0.06	A	7212	3516	0.05	0.03	0.01	A	182	3516	1.14	-0.49	-0.08	A
18	MC	17447	10728	3.14	0.11	0.02	A	17447	3516	3.76	-0.18	-0.03	A	7212	3516	17.93	-0.45	-0.08	A	182	3516	1.06	-0.39	-0.07	A
19	MC	17447	10728	0.33	-0.04	-0.01	A	17447	3516	0.05	0.02	0.00	A	7212	3516	0.65	0.09	0.02	A	182	3516	0.01	-0.03	-0.01	A
20	MC	17447	10728	8.23	-0.22	-0.03	A	17447	3516	1.64	-0.15	-0.02	A	7212	3516	0.36	0.08	0.01	A	182	3516	6.26	1.31	0.18	A
21	MC	17447	10728	15.37	-0.26	-0.04	A	17447	3516	1.58	-0.13	-0.02	A	7212	3516	3.42	0.21	0.04	A	182	3516	5.78	1.05	0.17	A
22	MC	17447	10728	41.84	0.40	0.08	A	17447	3516	16.82	0.39	0.07	A	7212	3516	0.13	-0.04	-0.01	A	182	3516	0.43	0.26	0.05	A
23	MC	17447	10728	1.17	-0.07	-0.01	A	17447	3516	0.28	-0.05	-0.01	A	7212	3516	0.00	0.01	0.00	A	182	3516	0.20	-0.17	-0.03	A
24	MC	17447	10728	3.67	0.12	0.02	A	17447	3516	0.83	0.09	0.01	A	7212	3516	0.46	-0.07	-0.01	A	182	3516	2.95	-0.66	-0.12	A
25	MC	17447	10728	0.08	-0.02	0.00	A	17447	3516	0.60	-0.08	-0.01	A	7212	3516	0.41	-0.07	-0.01	A	182	3516	0.00	-0.01	0.00	A
26	MC	17447	10728	8.36	-0.18	-0.03	A	17447	3516	3.30	-0.18	-0.03	A	7212	3516	0.02	0.01	0.00	A	182	3516	0.38	0.24	0.04	A
27	MC	17447	10728	0.00	0.00	0.00	A	17447	3516	0.48	0.06	0.01	A	7212	3516	1.00	0.11	0.02	A	182	3516	8.75	-1.16	-0.21	B<
28	MC	17447	10728	0.23	0.03	0.01	A	17447	3516	4.27	0.19	0.04	A	7212	3516	5.97	0.25	0.05	A	182	3516	0.14	0.14	0.03	A
29	MC	17447	10728	0.31	0.04	0.01	A	17447	3516	0.40	0.06	0.01	A	7212	3516	0.18	0.05	0.01	A	182	3516	1.32	-0.46	-0.08	A
30	MC	17447	10728	2.83	-0.11	-0.02	A	17447	3516	0.07	-0.03	0.00	A	7212	3516	1.47	0.13	0.02	A	182	3516	0.47	0.25	0.05	A
31	MC	17447	10728	10.34	-0.21	-0.04	A	17447	3516	3.72	-0.19	-0.03	A	7212	3516	0.20	0.05	0.01	A	182	3516	0.02	0.06	0.01	A
32	MC	17447	10728	9.10	-0.18	-0.04	A	17447	3516	1.53	-0.11	-0.02	A	7212	3516	1.20	0.11	0.02	A	182	3516	3.62	-0.69	-0.14	A
33	MC	17447	10728	0.01	0.01	0.00	A	17447	3516	3.06	0.16	0.03	A	7212	3516	5.04	0.23	0.04	A	182	3516	0.20	-0.17	-0.03	A
34	MC	17447	10728	1.07	-0.07	-0.01	A	17447	3516	5.33	-0.24	-0.04	A	7212	3516	4.38	-0.24	-0.04	A	182	3516	1.29	-0.48	-0.08	A
50	SA1	17447	10728	9.79	-0.19	-0.04	A	17447	3516	16.04	-0.38	-0.07	A	7212	3516	6.75	-0.28	-0.05	A	182	3516	0.00	0.02	0.00	A
51	SA1	17447	10728	4.01	0.12	0.02	A	17447	3516	1.89	0.13	0.03	A	7212	3516	0.03	0.02	0.00	A	182	3516	0.08	0.11	0.02	A
52	SA3	17447	10728	21.99		-0.02	A	17447	3516	7.56		-0.01	A	7212	3516	1.46		0.02	A	182	3516	2.93		0.08	A

Note: MC=Multiple-choice Items, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.31: DIF Statistics based on FRL Students for Items in Reading on Stage II

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	24185	3305	0.71	0.09	0.02	A
16	MC	24185	3305	2.45	-0.19	-0.03	A
17	MC	24185	3305	11.95	-0.42	-0.06	A
18	MC	24185	3305	1.11	0.10	0.01	A
19	MC	24185	3305	0.23	-0.05	-0.01	A
20	MC	24185	3305	1.6	-0.15	-0.02	A
21	MC	24185	3305	1.28	-0.12	-0.02	A
22	MC	24185	3305	15.77	0.37	0.07	A
23	MC	24185	3305	1.08	0.10	0.02	A
24	MC	24185	3305	5.87	0.24	0.04	A
25	MC	24185	3305	0.19	0.04	0.01	A
26	MC	24185	3305	0.03	0.02	0.01	A
27	MC	24185	3305	0.84	0.09	0.02	A
28	MC	24185	3305	4.15	-0.19	-0.04	A
29	MC	24185	3305	5.93	-0.23	-0.04	A
30	MC	24185	3305	0.19	-0.04	-0.01	A
31	MC	24185	3305	1.28	-0.11	-0.02	A
32	MC	24185	3305	1.4	-0.11	-0.02	A
33	MC	24185	3305	0.25	-0.05	-0.01	A
34	MC	24185	3305	0.68	0.09	0.02	A
50	SA1	24185	3305	4.99	-0.21	-0.04	A
51	SA1	24185	3305	0.83	0.08	0.02	A
52	SA3	24185	3305	34.54		-0.07	A

Note: MC=Multiple-choice Items, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.32: DIF Statistics based on ELL Students for Items in Writing on Stage II

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
35	MC	13229	14918	5.72	0.20	0.02	A	24641	3534	14.82	-0.50	-0.06	A	1985	26190	1.34	0.18	0.02	A	2102	26073	2.39	-0.21	-0.04	A
36	MC	13229	14918	3.15	0.11	0.02	A	24641	3534	1.36	-0.11	-0.02	A	1985	26190	2.71	-0.19	-0.04	A	2102	26073	2.20	0.17	0.03	A
37	MC	13229	14918	97.66	0.59	0.12	A	24641	3534	21.13	-0.41	-0.08	A	1985	26190	4.08	0.23	0.04	A	2102	26073	3.70	0.22	0.04	A
38	MC	13229	14918	1.53	0.08	0.01	A	24641	3534	0.41	-0.06	-0.01	A	1985	26190	0.59	0.10	0.02	A	2102	26073	39.15	-0.69	-0.14	A
39	MC	13229	14918	38.42	0.52	0.06	A	24641	3534	0.75	-0.11	-0.01	A	1985	26190	0.26	-0.08	-0.01	A	2102	26073	22.52	-0.65	-0.11	A
40	MC	13229	14918	0.03	0.01	0.00	A	24641	3534	6.41	0.24	0.04	A	1985	26190	3.62	-0.23	-0.04	A	2102	26073	4.08	-0.23	-0.04	A
41	MC	13229	14918	2.47	-0.10	-0.02	A	24641	3534	6.18	0.23	0.04	A	1985	26190	1.22	-0.13	-0.02	A	2102	26073	28.89	-0.61	-0.11	A
42	MC	13229	14918	10.93	0.21	0.03	A	24641	3534	2.01	0.14	0.02	A	1985	26190	3.75	-0.23	-0.04	A	2102	26073	4.26	-0.24	-0.04	A
43	MC	13229	14918	4.89	0.14	0.02	A	24641	3534	3.78	-0.19	-0.03	A	1985	26190	0.00	0.00	0.00	A	2102	26073	3.12	-0.21	-0.04	A
44	MC	13229	14918	0.04	-0.01	0.00	A	24641	3534	22.92	-0.42	-0.08	A	1985	26190	0.02	-0.02	0.00	A	2102	26073	0.04	-0.02	-0.01	A
45	MC	13229	14918	0.00	0.00	0.00	A	24641	3534	0.07	-0.02	0.00	A	1985	26190	0.35	0.07	0.01	A	2102	26073	3.89	-0.22	-0.04	A
46	MC	13229	14918	1.45	0.07	0.01	A	24641	3534	137.15	1.05	0.19	B>	1985	26190	3.08	-0.20	-0.04	A	2102	26073	9.59	-0.36	-0.06	A
47	MC	13229	14918	0.44	0.04	0.01	A	24641	3534	34.65	-0.53	-0.10	A	1985	26190	2.79	-0.19	-0.04	A	2102	26073	5.79	0.28	0.05	A
48	ER	13229	14918	303.37		0.15	A	24641	3534	4.69		0.00	A	1985	26190	8.23		0.05	A	2102	26073	74.98		-0.17	B<
49	ER	13229	14918	205.19		0.12	A	24641	3534	2.95		0.01	A	1985	26190	0.07		0.00	A	2102	26073	77.27		-0.17	B<

Note: MC=Multiple-choice Items, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group,
Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.33: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage II

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
35	MC	17447	10728	0.13	-0.03	0.00	A	17447	3516	0.94	-0.13	-0.02	A	7212	3516	0.90	-0.14	-0.02	A	182	3516	4.82	1.28	0.15	A
36	MC	17447	10728	0.00	0.00	0.00	A	17447	3516	4.44	0.20	0.04	A	7212	3516	8.03	0.30	0.05	A	182	3516	0.93	-0.37	-0.07	A
37	MC	17447	10728	0.19	-0.03	-0.01	A	17447	3516	1.80	0.12	0.02	A	7212	3516	5.13	0.23	0.04	A	182	3516	0.87	0.34	0.07	A
38	MC	17447	10728	0.88	0.06	0.01	A	17447	3516	3.51	0.19	0.03	A	7212	3516	2.61	0.18	0.03	A	182	3516	0.30	0.22	0.04	A
39	MC	17447	10728	4.44	0.18	0.02	A	17447	3516	3.99	0.26	0.03	A	7212	3516	0.63	0.12	0.02	A	182	3516	0.01	-0.04	0.00	A
40	MC	17447	10728	3.12	0.12	0.02	A	17447	3516	5.07	0.22	0.04	A	7212	3516	1.55	0.14	0.03	A	182	3516	0.01	-0.04	-0.01	A
41	MC	17447	10728	0.46	-0.04	-0.01	A	17447	3516	3.30	-0.18	-0.03	A	7212	3516	3.50	-0.20	-0.03	A	182	3516	1.32	-0.43	-0.08	A
42	MC	17447	10728	0.21	-0.03	-0.01	A	17447	3516	0.46	-0.07	-0.01	A	7212	3516	0.37	-0.07	-0.01	A	182	3516	1.15	-0.43	-0.08	A
43	MC	17447	10728	5.90	-0.16	-0.03	A	17447	3516	2.85	-0.17	-0.03	A	7212	3516	0.01	-0.01	0.00	A	182	3516	0.26	-0.20	-0.04	A
44	MC	17447	10728	3.83	-0.12	-0.02	A	17447	3516	0.27	-0.05	-0.01	A	7212	3516	1.46	0.12	0.02	A	182	3516	1.81	0.50	0.10	A
45	MC	17447	10728	3.84	-0.12	-0.02	A	17447	3516	1.62	-0.12	-0.02	A	7212	3516	0.01	0.01	0.00	A	182	3516	0.43	0.24	0.05	A
46	MC	17447	10728	94.07	0.59	0.11	A	17447	3516	22.88	0.44	0.08	A	7212	3516	6.44	-0.26	-0.05	A	182	3516	4.51	-0.84	-0.16	A
47	MC	17447	10728	8.33	-0.18	-0.03	A	17447	3516	0.48	-0.06	-0.01	A	7212	3516	3.14	0.18	0.03	A	182	3516	4.30	0.80	0.15	A
48	ER	17447	10728	24.94		0.05	A	17447	3516	7.72		0.01	A	7212	3516	25.77		-0.05	A	182	3516	2.07		0.05	A
49	ER	17447	10728	38.25		0.05	A	17447	3516	7.26		-0.01	A	7212	3516	46.33		-0.08	A	182	3516	1.02		0.04	A

Note: MC=Multiple-choice Items, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group,
Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.34: DIF Statistics based on FRL Students for Items in Writing on Stage II

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
35	MC	24185	3305	0.93	0.13	0.02	A
36	MC	24185	3305	0.04	0.02	0.01	A
37	MC	24185	3305	0.56	-0.07	-0.01	A
38	MC	24185	3305	3.75	0.20	0.04	A
39	MC	24185	3305	7.53	0.36	0.05	A
40	MC	24185	3305	1.25	0.11	0.02	A
41	MC	24185	3305	4.14	-0.20	-0.03	A
42	MC	24185	3305	4.29	0.21	0.03	A
43	MC	24185	3305	1.03	-0.10	-0.02	A
44	MC	24185	3305	6.44	-0.23	-0.04	A
45	MC	24185	3305	5.59	-0.22	-0.04	A
46	MC	24185	3305	11.48	0.31	0.06	A
47	MC	24185	3305	6.60	-0.24	-0.04	A
48	ER	24185	3305	3.78		0.03	A
49	ER	24185	3305	6.64		0.04	A

Note: MC= Multiple-choice Item, ER=Extended Response Item , NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.35: DIF Statistics based on ELL Students for Items in Listening on Stage II

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	13229	14918	0.88	0.06	0.01	A	24641	3534	3.70	0.19	0.03	A	1985	26190	2.88	-0.22	-0.04	A	2102	26073	5.41	-0.28	-0.06	A
2	MC	13229	14918	1.27	-0.07	-0.01	A	24641	3534	5.74	0.22	0.04	A	1985	26190	7.11	-0.31	-0.06	A	2102	26073	2.80	-0.19	-0.04	A
3	MC	13229	14918	6.21	-0.15	-0.03	A	24641	3534	0.00	0.00	0.00	A	1985	26190	0.15	-0.05	-0.01	A	2102	26073	1.18	-0.12	-0.02	A
4	MC	13229	14918	0.21	-0.03	-0.01	A	24641	3534	2.05	0.13	0.02	A	1985	26190	0.01	0.01	0.00	A	2102	26073	5.41	-0.28	-0.05	A
5	MC	13229	14918	2.02	0.08	0.02	A	24641	3534	23.48	-0.44	-0.08	A	1985	26190	8.34	0.34	0.06	A	2102	26073	8.79	-0.34	-0.06	A
6	MC	13229	14918	0.57	-0.05	-0.01	A	24641	3534	9.65	-0.28	-0.05	A	1985	26190	4.75	-0.26	-0.05	A	2102	26073	0.34	0.07	0.01	A
7	MC	13229	14918	16.73	0.34	0.05	A	24641	3534	35.18	0.71	0.11	A	1985	26190	15.01	-0.58	-0.09	A	2102	26073	47.48	-0.92	-0.17	A
8	MC	13229	14918	0.23	0.03	0.00	A	24641	3534	22.07	0.43	0.09	A	1985	26190	5.81	-0.28	-0.06	A	2102	26073	6.70	-0.29	-0.06	A
9	MC	13229	14918	0.34	-0.05	-0.01	A	24641	3534	9.41	0.41	0.05	A	1985	26190	3.22	-0.30	-0.04	A	2102	26073	23.83	-0.72	-0.12	A
10	MC	13229	14918	20.93	0.49	0.05	A	24641	3534	17.37	0.64	0.07	A	1985	26190	3.75	0.42	0.04	A	2102	26073	63.77	-1.23	-0.21	B<
11	MC	13229	14918	0.61	0.06	0.01	A	24641	3534	1.09	0.12	0.02	A	1985	26190	5.60	0.36	0.05	A	2102	26073	16.78	-0.52	-0.10	A
12	MC	13229	14918	1.18	-0.07	-0.01	A	24641	3534	7.28	-0.27	-0.05	A	1985	26190	17.24	0.53	0.09	A	2102	26073	0.09	-0.03	-0.01	A
13	MC	13229	14918	0.00	0.00	0.00	A	24641	3534	1.14	0.17	0.02	A	1985	26190	1.53	0.25	0.03	A	2102	26073	22.82	-0.75	-0.13	A
14	MC	13229	14918	2.29	0.09	0.02	A	24641	3534	3.60	0.18	0.03	A	1985	26190	3.10	-0.21	-0.04	A	2102	26073	5.79	0.28	0.05	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.36: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage II

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	17447	10728	4.61	0.15	0.02	A	17447	3516	3.17	0.18	0.03	A	7212	3516	0.10	0.04	0.01	A	182	3516	1.26	0.49	0.08	A
2	MC	17447	10728	4.35	0.13	0.02	A	17447	3516	12.39	0.33	0.06	A	7212	3516	7.33	0.28	0.05	A	182	3516	0.43	0.25	0.05	A
3	MC	17447	10728	10.69	0.20	0.04	A	17447	3516	28.64	0.50	0.09	A	7212	3516	17.45	0.43	0.08	A	182	3516	4.39	0.83	0.15	A
4	MC	17447	10728	23.82	0.31	0.05	A	17447	3516	41.31	0.61	0.11	A	7212	3516	17.10	0.44	0.08	A	182	3516	1.66	0.50	0.09	A
5	MC	17447	10728	8.84	-0.18	-0.03	A	17447	3516	0.25	-0.05	-0.01	A	7212	3516	4.40	0.21	0.04	A	182	3516	2.49	0.61	0.11	A
6	MC	17447	10728	1.04	0.06	0.01	A	17447	3516	11.54	0.31	0.06	A	7212	3516	13.92	0.38	0.07	A	182	3516	0.92	0.38	0.07	A
7	MC	17447	10728	0.69	0.07	0.01	A	17447	3516	1.38	0.15	0.02	A	7212	3516	0.79	0.13	0.02	A	182	3516	5.25	-1.08	-0.17	A
8	MC	17447	10728	1.27	0.07	0.01	A	17447	3516	0.00	0.00	0.00	A	7212	3516	0.73	-0.09	-0.02	A	182	3516	0.07	0.11	0.02	A
9	MC	17447	10728	1.97	0.13	0.02	A	17447	3516	1.61	0.18	0.03	A	7212	3516	0.30	0.09	0.01	A	182	3516	3.10	-0.90	-0.13	A
10	MC	17447	10728	11.08	0.36	0.04	A	17447	3516	2.71	0.27	0.03	A	7212	3516	0.29	-0.10	-0.01	A	182	3516	0.41	-0.42	-0.05	A
11	MC	17447	10728	1.53	-0.10	-0.01	A	17447	3516	0.96	-0.12	-0.02	A	7212	3516	0.03	-0.02	0.00	A	182	3516	0.28	0.27	0.04	A
12	MC	17447	10728	43.41	-0.44	-0.08	A	17447	3516	47.94	-0.72	-0.12	A	7212	3516	11.88	-0.40	-0.07	A	182	3516	1.23	-0.46	-0.08	A
13	MC	17447	10728	3.30	-0.19	-0.02	A	17447	3516	12.01	-0.60	-0.06	A	7212	3516	8.84	-0.57	-0.06	A	182	3516	1.81	-0.84	-0.10	A
14	MC	17447	10728	6.93	0.17	0.03	A	17447	3516	2.11	0.14	0.03	A	7212	3516	0.11	-0.04	-0.01	A	182	3516	2.66	-0.68	-0.11	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.37: DIF Statistics based on FRL Students for Items in Listening on Stage II

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	24185	3305	0.02	0.01	0.00	A
2	MC	24185	3305	1.05	0.10	0.02	A
3	MC	24185	3305	1.68	0.12	0.02	A
4	MC	24185	3305	0.41	0.06	0.01	A
5	MC	24185	3305	1.93	-0.13	-0.02	A
6	MC	24185	3305	0.37	0.06	0.01	A
7	MC	24185	3305	0.42	-0.09	-0.01	A
8	MC	24185	3305	0.72	0.08	0.02	A
9	MC	24185	3305	1.32	0.16	0.02	A
10	MC	24185	3305	0.05	-0.04	0.00	A
11	MC	24185	3305	1.59	-0.16	-0.02	A
12	MC	24185	3305	5.66	-0.24	-0.04	A
13	MC	24185	3305	1.76	-0.22	-0.02	A
14	MC	24185	3305	1.01	0.10	0.02	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.38: DIF Statistics based on ELL Students for Items in Speaking on Stage II

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
53	SA4	13229	14918	178.46		-0.14	A	24641	3534	43.65		0.03	A	1985	26190	30.48		0.05	A	2102	26073	48.57		0.14	A
54	SA4	13229	14918	44.27		-0.07	A	24641	3534	9.54		0.02	A	1985	26190	15.21		0.04	A	2102	26073	34.99		0.10	A
55	SA4	13229	14918	78.80		0.01	A	24641	3534	25.48		-0.04	A	1985	26190	14.47		-0.05	A	2102	26073	27.05		-0.02	A
56	SA4	13229	14918	51.89		0.01	A	24641	3534	28.77		0.08	A	1985	26190	17.64		-0.06	A	2102	26073	50.64		0.11	A
57	SA4	13229	14918	29.26		-0.03	A	24641	3534	53.57		-0.03	A	1985	26190	12.55		0.06	A	2102	26073	16.98		0.07	A
58	SA4	13229	14918	94.74		0.08	A	24641	3534	109.94		0.17	B>	1985	26190	23.24		-0.08	A	2102	26073	19.18		0.02	A
59	SA4	13229	14918	123.29		0.05	A	24641	3534	93.18		0.16	A	1985	26190	30.16		-0.11	A	2102	26073	17.92		0.07	A
60	SA4	13229	14918	4.04		0.00	A	24641	3534	13.13		0.02	A	1985	26190	23.89		0.09	A	2102	26073	194.33		-0.27	C<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group,
Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.39: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage II

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
53	SA4	17447	10728	44.09		-0.03	A	17447	3516	38.31		-0.10	A	7212	3516	30.13		-0.10	A	182	3516	2.61		-0.04	A
54	SA4	17447	10728	30.06		-0.02	A	17447	3516	23.80		-0.07	A	7212	3516	19.43		-0.07	A	182	3516	1.40		-0.01	A
55	SA4	17447	10728	69.40		-0.09	A	17447	3516	46.64		-0.11	A	7212	3516	11.19		-0.03	A	182	3516	2.18		0.01	A
56	SA4	17447	10728	4.10		0.01	A	17447	3516	9.50		-0.03	A	7212	3516	14.81		-0.06	A	182	3516	6.10		-0.13	A
57	SA4	17447	10728	21.46		-0.02	A	17447	3516	12.45		-0.06	A	7212	3516	21.83		-0.06	A	182	3516	2.50		-0.05	A
58	SA4	17447	10728	132.95		0.13	A	17447	3516	20.86		0.06	A	7212	3516	27.11		-0.10	A	182	3516	1.52		-0.04	A
59	SA4	17447	10728	75.80		0.10	A	17447	3516	11.52		0.04	A	7212	3516	22.20		-0.08	A	182	3516	12.56		-0.01	A
60	SA4	17447	10728	94.04		-0.06	A	17447	3516	76.09		-0.11	A	7212	3516	17.79		-0.08	A	182	3516	7.35		-0.04	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group,
Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.40: DIF Statistics based on FRL Students for Items in Speaking on Stage II

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
53	SA4	24185	3305	35.57		-0.06	A
54	SA4	24185	3305	8.75		-0.04	A
55	SA4	24185	3305	54.23		-0.12	A
56	SA4	24185	3305	10.03		-0.04	A
57	SA4	24185	3305	19.33		-0.07	A
58	SA4	24185	3305	45.18		0.10	A
59	SA4	24185	3305	26.25		0.06	A
60	SA4	24185	3305	27.38		-0.08	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.41: DIF Statistics based on ELL Students for Items in Reading on Stage III

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	11142	14167	2.35	0.14	0.02	A	21776	3562	0.74	-0.11	-0.01	A	2628	22710	1.20	0.16	0.02	A	2598	22740	22.23	-0.59	-0.11	A
16	MC	11142	14167	13.80	0.24	0.05	A	21776	3562	79.69	-0.80	-0.16	A	2628	22710	110.21	1.08	0.21	B>	2598	22740	0.98	0.11	0.02	A
17	MC	11142	14167	0.35	0.04	0.01	A	21776	3562	2.42	-0.15	-0.03	A	2628	22710	2.31	-0.16	-0.03	A	2598	22740	4.17	-0.21	-0.04	A
18	MC	11142	14167	4.39	-0.14	-0.02	A	21776	3562	45.45	-0.66	-0.11	A	2628	22710	38.32	0.68	0.12	A	2598	22740	15.04	-0.42	-0.07	A
19	MC	11142	14167	27.28	0.45	0.05	A	21776	3562	1.35	0.14	0.02	A	2628	22710	0.05	0.03	0.00	A	2598	22740	36.33	-0.73	-0.14	A
20	MC	11142	14167	28.67	0.34	0.06	A	21776	3562	27.53	-0.47	-0.09	A	2628	22710	11.11	0.34	0.06	A	2598	22740	1.09	-0.11	-0.02	A
21	MC	11142	14167	32.97	0.64	0.06	A	21776	3562	0.43	-0.10	-0.01	A	2628	22710	1.37	0.21	0.02	A	2598	22740	26.88	-0.73	-0.13	A
22	MC	11142	14167	8.75	0.18	0.04	A	21776	3562	3.41	-0.16	-0.03	A	2628	22710	0.03	0.02	0.00	A	2598	22740	0.23	-0.05	-0.01	A
23	MC	11142	14167	0.09	0.02	0.00	A	21776	3562	29.90	-0.50	-0.09	A	2628	22710	14.85	0.40	0.08	A	2598	22740	0.93	0.10	0.02	A
24	MC	11142	14167	10.96	0.22	0.04	A	21776	3562	0.72	-0.08	-0.01	A	2628	22710	2.18	0.16	0.03	A	2598	22740	0.00	0.00	0.00	A
25	MC	11142	14167	67.23	0.65	0.09	A	21776	3562	0.13	-0.04	0.00	A	2628	22710	0.73	0.11	0.02	A	2598	22740	6.42	-0.29	-0.06	A
26	MC	11142	14167	85.08	0.67	0.10	A	21776	3562	7.08	0.27	0.04	A	2628	22710	1.10	-0.12	-0.02	A	2598	22740	6.72	-0.29	-0.05	A
27	MC	11142	14167	2.66	-0.11	-0.02	A	21776	3562	2.58	-0.16	-0.03	A	2628	22710	8.69	0.33	0.05	A	2598	22740	5.39	-0.25	-0.05	A
28	MC	11142	14167	16.78	0.28	0.05	A	21776	3562	11.97	-0.34	-0.06	A	2628	22710	0.62	0.09	0.01	A	2598	22740	0.00	0.00	0.00	A
29	MC	11142	14167	5.44	-0.18	-0.03	A	21776	3562	7.69	-0.29	-0.05	A	2628	22710	1.40	0.14	0.02	A	2598	22740	1.06	-0.14	-0.02	A
30	MC	11142	14167	39.53	-0.41	-0.07	A	21776	3562	11.77	-0.32	-0.06	A	2628	22710	0.02	0.02	0.00	A	2598	22740	0.23	0.05	0.01	A
31	MC	11142	14167	8.29	-0.19	-0.03	A	21776	3562	18.40	-0.39	-0.07	A	2628	22710	1.37	0.12	0.02	A	2598	22740	8.91	0.32	0.06	A
32	MC	11142	14167	0.00	0.00	0.00	A	21776	3562	10.70	0.31	0.06	A	2628	22710	14.88	-0.41	-0.08	A	2598	22740	0.90	0.11	0.02	A
33	MC	11142	14167	0.01	-0.01	0.00	A	21776	3562	19.42	0.41	0.07	A	2628	22710	15.90	-0.42	-0.07	A	2598	22740	3.28	-0.20	-0.04	A
34	MC	11142	14167	26.06	0.34	0.06	A	21776	3562	0.02	0.01	0.00	A	2628	22710	0.56	0.08	0.01	A	2598	22740	11.37	-0.40	-0.07	A
35	MC	11142	14167	0.11	-0.02	0.00	A	21776	3562	1.85	-0.13	-0.02	A	2628	22710	2.39	0.16	0.03	A	2598	22740	3.16	0.20	0.03	A
36	MC	11142	14167	0.01	0.00	0.00	A	21776	3562	0.31	-0.05	-0.01	A	2628	22710	0.12	-0.04	-0.01	A	2598	22740	0.13	-0.04	-0.01	A
37	MC	11142	14167	1.52	-0.08	-0.02	A	21776	3562	0.04	0.02	0.00	A	2628	22710	2.11	0.15	0.03	A	2598	22740	3.08	0.19	0.04	A
56	SA1	11142	14167	0.78	0.05	0.01	A	21776	3562	54.87	0.65	0.13	A	2628	22710	13.24	-0.36	-0.07	A	2598	22740	0.55	0.07	0.02	A
57	SA1	11142	14167	167.46	-0.86	-0.16	A	21776	3562	14.30	-0.35	-0.06	A	2628	22710	0.34	0.06	0.01	A	2598	22740	16.31	-0.48	-0.08	A
58	SA1	11142	14167	126.58	-0.75	-0.13	A	21776	3562	39.67	-0.60	-0.10	A	2628	22710	1.43	0.13	0.02	A	2598	22740	30.34	-0.67	-0.10	A

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.42: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage III

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	14918	10420	2.03	-0.13	-0.02	A	14918	3401	1.09	-0.14	-0.02	A	7019	3401	0.00	-0.01	0.00	A	199	3401	1.06	0.56	0.07	A
16	MC	14918	10420	7.35	-0.18	-0.03	A	14918	3401	3.83	-0.19	-0.04	A	7019	3401	0.02	-0.01	0.00	A	199	3401	9.21	1.09	0.21	B>
17	MC	14918	10420	0.03	0.01	0.00	A	14918	3401	1.21	0.11	0.02	A	7019	3401	2.02	0.15	0.03	A	199	3401	0.01	-0.03	-0.01	A
18	MC	14918	10420	38.09	-0.41	-0.07	A	14918	3401	17.75	-0.42	-0.07	A	7019	3401	0.00	-0.01	0.00	A	199	3401	1.92	0.52	0.09	A
19	MC	14918	10420	1.31	0.10	0.01	A	14918	3401	0.01	0.01	0.00	A	7019	3401	0.92	-0.14	-0.02	A	199	3401	0.06	0.12	0.02	A
20	MC	14918	10420	3.85	-0.12	-0.02	A	14918	3401	0.28	-0.05	-0.01	A	7019	3401	1.18	0.11	0.02	A	199	3401	15.44	1.50	0.27	C>
21	MC	14918	10420	0.27	0.06	0.01	A	14918	3401	0.52	0.12	0.01	A	7019	3401	0.34	0.10	0.01	A	199	3401	1.23	0.71	0.08	A
22	MC	14918	10420	1.22	-0.07	-0.01	A	14918	3401	0.06	-0.02	0.00	A	7019	3401	0.41	0.07	0.02	A	199	3401	1.08	0.37	0.08	A
23	MC	14918	10420	17.37	-0.26	-0.05	A	14918	3401	2.03	-0.13	-0.03	A	7019	3401	3.73	0.20	0.04	A	199	3401	10.46	1.24	0.23	B>
24	MC	14918	10420	3.66	-0.13	-0.02	A	14918	3401	1.29	-0.11	-0.02	A	7019	3401	0.06	0.03	0.00	A	199	3401	0.35	0.20	0.04	A
25	MC	14918	10420	3.63	0.15	0.02	A	14918	3401	0.90	0.11	0.02	A	7019	3401	0.21	-0.06	-0.01	A	199	3401	0.17	0.18	0.03	A
26	MC	14918	10420	3.80	0.14	0.02	A	14918	3401	1.73	0.14	0.02	A	7019	3401	0.00	0.00	0.00	A	199	3401	10.90	-1.29	-0.21	B<
27	MC	14918	10420	0.39	-0.04	-0.01	A	14918	3401	0.01	-0.01	0.00	A	7019	3401	0.29	0.06	0.01	A	199	3401	5.11	0.91	0.15	A
28	MC	14918	10420	1.90	-0.09	-0.02	A	14918	3401	0.42	0.07	0.01	A	7019	3401	5.17	0.26	0.04	A	199	3401	0.87	0.35	0.06	A
29	MC	14918	10420	0.11	-0.02	0.00	A	14918	3401	0.03	0.02	0.00	A	7019	3401	0.23	0.06	0.01	A	199	3401	0.17	-0.18	-0.03	A
30	MC	14918	10420	9.67	-0.21	-0.04	A	14918	3401	1.03	-0.10	-0.02	A	7019	3401	2.00	0.15	0.03	A	199	3401	2.56	0.60	0.11	A
31	MC	14918	10420	3.06	-0.11	-0.02	A	14918	3401	0.52	-0.07	-0.01	A	7019	3401	0.43	0.07	0.01	A	199	3401	6.10	0.93	0.17	A
32	MC	14918	10420	0.27	0.03	0.01	A	14918	3401	0.22	0.05	0.01	A	7019	3401	0.04	0.02	0.01	A	199	3401	0.30	0.20	0.04	A
33	MC	14918	10420	23.76	0.33	0.06	A	14918	3401	9.54	0.30	0.05	A	7019	3401	0.10	-0.03	-0.01	A	199	3401	6.87	-0.91	-0.17	A
34	MC	14918	10420	9.59	0.21	0.04	A	14918	3401	14.51	0.38	0.07	A	7019	3401	5.79	0.27	0.05	A	199	3401	1.34	0.43	0.08	A
35	MC	14918	10420	5.13	-0.15	-0.03	A	14918	3401	0.32	-0.06	-0.01	A	7019	3401	1.58	0.14	0.03	A	199	3401	0.06	-0.09	-0.02	A
36	MC	14918	10420	1.36	0.08	0.01	A	14918	3401	0.14	0.04	0.01	A	7019	3401	0.23	-0.05	-0.01	A	199	3401	0.04	-0.07	-0.02	A
37	MC	14918	10420	0.16	-0.03	-0.01	A	14918	3401	0.00	0.00	0.00	A	7019	3401	0.16	0.04	0.01	A	199	3401	2.48	-0.59	-0.11	A
56	SA1	14918	10420	1.22	0.07	0.01	A	14918	3401	0.28	-0.05	-0.01	A	7019	3401	3.12	-0.18	-0.04	A	199	3401	10.92	-1.17	-0.24	B<
57	SA1	14918	10420	18.78	-0.29	-0.05	A	14918	3401	0.05	-0.02	0.00	A	7019	3401	14.16	0.41	0.07	A	199	3401	2.96	0.66	0.12	A
58	SA1	14918	10420	20.19	-0.30	-0.05	A	14918	3401	0.63	-0.08	-0.01	A	7019	3401	9.51	0.34	0.06	A	199	3401	1.41	0.45	0.08	A

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.43: DIF Statistics based on FRL Students for Items in Reading on Stage III

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	21731	2714	0.03	-0.02	-0.01	A
16	MC	21731	2714	0.06	0.03	0.01	A
17	MC	21731	2714	1.02	-0.11	-0.02	A
18	MC	21731	2714	13.01	-0.40	-0.07	A
19	MC	21731	2714	0.28	0.08	0.01	A
20	MC	21731	2714	1.02	0.10	0.02	A
21	MC	21731	2714	2.98	0.30	0.03	A
22	MC	21731	2714	0.47	-0.07	-0.01	A
23	MC	21731	2714	4.20	-0.21	-0.04	A
24	MC	21731	2714	0.03	0.02	0.00	A
25	MC	21731	2714	2.21	0.18	0.03	A
26	MC	21731	2714	0.44	0.08	0.01	A
27	MC	21731	2714	3.22	0.20	0.03	A
28	MC	21731	2714	0.32	0.06	0.01	A
29	MC	21731	2714	0.42	-0.08	-0.01	A
30	MC	21731	2714	1.27	-0.12	-0.02	A
31	MC	21731	2714	3.24	-0.18	-0.04	A
32	MC	21731	2714	4.31	-0.21	-0.04	A
33	MC	21731	2714	0.02	-0.01	0.00	A
34	MC	21731	2714	0.03	0.02	0.00	A
35	MC	21731	2714	0.22	-0.05	-0.01	A
36	MC	21731	2714	0.34	0.06	0.01	A
37	MC	21731	2714	0.04	0.02	0.00	A
56	SA1	21731	2714	0.17	0.04	0.01	A
57	SA1	21731	2714	21.51	-0.49	-0.08	A
58	SA1	21731	2714	23.10	-0.51	-0.09	A

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.44: DIF Statistics based on ELL Students for Items in Writing on Stage III

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
38	MC	11142	14167	3.90	0.13	0.02	A	21776	3562	7.31	-0.25	-0.04	A	2628	22710	0.03	-0.02	0.00	A	2598	22740	7.26	-0.31	-0.05	A
39	MC	11142	14167	178.74	0.83	0.17	A	21776	3562	22.93	-0.43	-0.09	A	2628	22710	42.25	0.66	0.13	A	2598	22740	0.84	-0.10	-0.02	A
40	MC	11142	14167	16.49	-0.31	-0.05	A	21776	3562	13.96	-0.38	-0.07	A	2628	22710	0.14	0.05	0.01	A	2598	22740	2.27	0.18	0.03	A
41	MC	11142	14167	13.01	0.23	0.04	A	21776	3562	50.34	-0.67	-0.12	A	2628	22710	4.24	0.22	0.04	A	2598	22740	0.07	-0.03	-0.01	A
42	MC	11142	14167	41.12	0.40	0.08	A	21776	3562	19.57	-0.39	-0.08	A	2628	22710	14.97	0.39	0.08	A	2598	22740	4.07	-0.21	-0.04	A
43	MC	11142	14167	40.63	0.41	0.08	A	21776	3562	4.87	-0.20	-0.04	A	2628	22710	2.58	0.17	0.03	A	2598	22740	0.00	0.00	0.00	A
44	MC	11142	14167	12.30	0.27	0.04	A	21776	3562	18.50	0.45	0.07	A	2628	22710	12.16	-0.42	-0.07	A	2598	22740	8.06	-0.31	-0.06	A
45	MC	11142	14167	3.97	0.18	0.02	A	21776	3562	23.19	-0.63	-0.08	A	2628	22710	52.25	1.10	0.13	B>	2598	22740	3.14	-0.22	-0.04	A
46	MC	11142	14167	4.15	0.15	0.02	A	21776	3562	2.40	-0.16	-0.03	A	2628	22710	4.26	0.24	0.04	A	2598	22740	10.48	-0.36	-0.06	A
47	MC	11142	14167	0.00	0.00	0.00	A	21776	3562	64.48	-0.75	-0.14	A	2628	22710	3.12	0.18	0.03	A	2598	22740	2.13	0.15	0.03	A
48	MC	11142	14167	22.79	0.40	0.05	A	21776	3562	19.82	0.50	0.07	A	2628	22710	6.23	-0.32	-0.05	A	2598	22740	23.43	-0.58	-0.11	A
49	MC	11142	14167	0.05	-0.02	0.00	A	21776	3562	0.89	0.09	0.02	A	2628	22710	3.81	0.21	0.04	A	2598	22740	8.76	-0.31	-0.06	A
50	MC	11142	14167	0.95	0.07	0.01	A	21776	3562	103.30	0.93	0.17	A	2628	22710	96.09	-1.01	-0.19	B<	2598	22740	2.58	-0.17	-0.03	A
51	MC	11142	14167	22.72	-0.34	-0.05	A	21776	3562	0.94	-0.10	-0.02	A	2628	22710	16.16	0.46	0.07	A	2598	22740	2.34	-0.17	-0.03	A
52	MC	11142	14167	6.80	0.17	0.03	A	21776	3562	22.55	0.44	0.08	A	2628	22710	0.26	-0.05	-0.01	A	2598	22740	27.77	-0.56	-0.10	A
53	MC	11142	14167	0.32	-0.04	-0.01	A	21776	3562	0.35	-0.06	-0.01	A	2628	22710	0.35	0.07	0.01	A	2598	22740	11.64	-0.38	-0.07	A
54	ER	11142	14167	193.34		0.12	A	21776	3562	26.39		0.05	A	2628	22710	29.03		0.07	A	2598	22740	55.15		-0.07	A
55	ER	11142	14167	239.04		0.13	A	21776	3562	11.98		0.03	A	2628	22710	44.04		0.09	A	2598	22740	61.37		-0.07	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.45: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage III

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
38	MC	14918	10420	0.07	0.02	0.00	A	14918	3401	8.92	0.30	0.05	A	7019	3401	14.20	0.41	0.07	A	199	3401	1.32	0.46	0.08	A
39	MC	14918	10420	3.16	-0.11	-0.02	A	14918	3401	0.04	0.02	0.00	A	7019	3401	3.85	0.20	0.04	A	199	3401	11.17	1.22	0.23	B>
40	MC	14918	10420	11.93	-0.26	-0.04	A	14918	3401	5.76	-0.27	-0.04	A	7019	3401	0.00	-0.01	0.00	A	199	3401	1.19	0.44	0.08	A
41	MC	14918	10420	7.03	-0.17	-0.03	A	14918	3401	0.00	-0.01	0.00	A	7019	3401	5.46	0.25	0.04	A	199	3401	0.23	0.18	0.03	A
42	MC	14918	10420	1.59	-0.08	-0.02	A	14918	3401	0.06	-0.02	-0.01	A	7019	3401	0.81	0.09	0.01	A	199	3401	0.24	0.17	0.03	A
43	MC	14918	10420	0.24	-0.03	-0.01	A	14918	3401	0.99	0.09	0.02	A	7019	3401	3.13	0.19	0.04	A	199	3401	3.89	0.76	0.14	A
44	MC	14918	10420	16.01	0.31	0.05	A	14918	3401	2.45	0.18	0.03	A	7019	3401	2.47	-0.19	-0.03	A	199	3401	3.99	-0.81	-0.14	A
45	MC	14918	10420	3.61	-0.17	-0.02	A	14918	3401	2.37	-0.20	-0.03	A	7019	3401	0.23	-0.07	-0.01	A	199	3401	0.17	0.20	0.03	A
46	MC	14918	10420	6.82	0.19	0.03	A	14918	3401	21.02	0.47	0.07	A	7019	3401	14.36	0.44	0.07	A	199	3401	2.79	0.68	0.11	A
47	MC	14918	10420	13.21	-0.23	-0.04	A	14918	3401	2.35	0.14	0.03	A	7019	3401	30.17	0.57	0.11	A	199	3401	13.28	1.39	0.25	B>
48	MC	14918	10420	6.72	0.22	0.03	A	14918	3401	2.21	0.18	0.02	A	7019	3401	0.10	-0.04	-0.01	A	199	3401	0.09	-0.13	-0.02	A
49	MC	14918	10420	0.03	0.01	0.00	A	14918	3401	1.04	0.10	0.02	A	7019	3401	1.58	0.14	0.02	A	199	3401	2.95	0.67	0.12	A
50	MC	14918	10420	82.75	0.63	0.11	A	14918	3401	56.52	0.76	0.13	A	7019	3401	2.95	0.19	0.03	A	199	3401	10.57	-1.10	-0.23	B<
51	MC	14918	10420	5.05	-0.16	-0.03	A	14918	3401	5.47	-0.25	-0.04	A	7019	3401	1.23	-0.13	-0.02	A	199	3401	0.07	-0.10	-0.02	A
52	MC	14918	10420	7.33	0.18	0.03	A	14918	3401	3.07	0.17	0.03	A	7019	3401	0.02	-0.01	0.00	A	199	3401	0.80	-0.34	-0.06	A
53	MC	14918	10420	0.92	0.07	0.01	A	14918	3401	0.13	0.04	0.00	A	7019	3401	0.17	-0.05	-0.01	A	199	3401	1.50	-0.49	-0.08	A
54	ER	14918	10420	25.10		0.04	A	14918	3401	9.83		-0.02	A	7019	3401	42.31		-0.09	A	199	3401	3.73		0.11	A
55	ER	14918	10420	27.49		0.05	A	14918	3401	20.07		-0.01	A	7019	3401	43.60		-0.08	A	199	3401	4.79		0.06	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.46: DIF Statistics based on FRL Students for Items in Writing on Stage III

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
38	MC	21731	2714	4.92	-0.23	-0.04	A
39	MC	21731	2714	0.03	-0.02	0.00	A
40	MC	21731	2714	2.08	-0.17	-0.03	A
41	MC	21731	2714	3.10	-0.18	-0.03	A
42	MC	21731	2714	0.17	-0.04	-0.01	A
43	MC	21731	2714	3.75	0.20	0.04	A
44	MC	21731	2714	3.38	0.22	0.03	A
45	MC	21731	2714	0.14	-0.05	-0.01	A
46	MC	21731	2714	0.39	0.07	0.01	A
47	MC	21731	2714	4.85	-0.23	-0.04	A
48	MC	21731	2714	6.66	0.34	0.05	A
49	MC	21731	2714	0.16	0.04	0.01	A
50	MC	21731	2714	38.57	0.68	0.12	A
51	MC	21731	2714	0.31	-0.06	-0.01	A
52	MC	21731	2714	2.20	0.16	0.03	A
53	MC	21731	2714	0.62	0.09	0.02	A
54	ER	21731	2714	18.55		0.04	A
55	ER	21731	2714	6.13		-0.01	A

Note: MC= Multiple-choice Item, ER=Extended Response Item , NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.47: DIF Statistics based on ELL Students for Items in Listening on Stage III

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	11142	14167	0.49	0.05	0.01	A	21776	3562	9.55	0.31	0.05	A	2628	22710	0.87	-0.11	-0.02	A	2598	22740	19.61	-0.48	-0.10	A
2	MC	11142	14167	39.58	-0.44	-0.07	A	21776	3562	82.25	-0.97	-0.16	A	2628	22710	26.47	0.61	0.10	A	2598	22740	6.94	0.29	0.06	A
3	MC	11142	14167	14.10	-0.25	-0.04	A	21776	3562	10.58	0.30	0.05	A	2628	22710	0.42	-0.07	-0.01	A	2598	22740	4.52	-0.22	-0.04	A
4	MC	11142	14167	0.31	-0.04	-0.01	A	21776	3562	9.16	0.28	0.05	A	2628	22710	6.65	-0.27	-0.05	A	2598	22740	0.20	0.05	0.01	A
5	MC	11142	14167	0.42	0.05	0.01	A	21776	3562	0.13	0.04	0.01	A	2628	22710	23.81	0.71	0.10	A	2598	22740	0.55	0.09	0.02	A
6	MC	11142	14167	83.93	-0.62	-0.12	A	21776	3562	129.37	-1.04	-0.20	B<	2628	22710	3.04	0.19	0.04	A	2598	22740	0.06	0.03	0.00	A
7	MC	11142	14167	19.31	-0.32	-0.05	A	21776	3562	0.16	0.04	0.01	A	2628	22710	1.60	-0.15	-0.02	A	2598	22740	0.59	0.09	0.02	A
8	MC	11142	14167	28.16	-0.34	-0.06	A	21776	3562	1.54	0.11	0.02	A	2628	22710	6.00	-0.25	-0.05	A	2598	22740	1.86	-0.15	-0.03	A
9	MC	11142	14167	28.47	-0.34	-0.07	A	21776	3562	2.01	-0.13	-0.03	A	2628	22710	17.12	0.44	0.08	A	2598	22740	0.56	0.08	0.01	A
10	MC	11142	14167	46.71	-0.45	-0.08	A	21776	3562	1.56	-0.12	-0.02	A	2628	22710	0.49	0.07	0.01	A	2598	22740	3.19	0.19	0.03	A
11	MC	11142	14167	3.03	0.11	0.02	A	21776	3562	5.05	-0.21	-0.04	A	2628	22710	8.34	0.30	0.06	A	2598	22740	0.72	-0.09	-0.02	A
12	MC	11142	14167	5.20	-0.16	-0.03	A	21776	3562	3.75	0.19	0.03	A	2628	22710	15.39	-0.42	-0.08	A	2598	22740	0.38	0.07	0.01	A
13	MC	11142	14167	16.35	-0.27	-0.05	A	21776	3562	1.17	0.10	0.02	A	2628	22710	10.11	-0.34	-0.06	A	2598	22740	0.00	-0.01	0.00	A
14	MC	11142	14167	5.82	-0.15	-0.03	A	21776	3562	0.65	0.07	0.02	A	2628	22710	8.75	-0.30	-0.06	A	2598	22740	9.94	0.32	0.06	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF),
SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.48: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage III

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	14918	10420	2.74	0.12	0.02	A	14918	3401	1.85	0.15	0.02	A	7019	3401	0.07	0.03	0.00	A	199	3401	0.12	0.15	0.02	A
2	MC	14918	10420	41.59	-0.46	-0.08	A	14918	3401	33.65	-0.62	-0.11	A	7019	3401	4.53	-0.25	-0.04	A	199	3401	0.57	0.33	0.05	A
3	MC	14918	10420	1.19	0.07	0.01	A	14918	3401	0.01	-0.01	0.00	A	7019	3401	0.99	-0.11	-0.02	A	199	3401	0.11	0.13	0.02	A
4	MC	14918	10420	0.56	0.05	0.01	A	14918	3401	1.67	-0.13	-0.02	A	7019	3401	5.81	-0.26	-0.05	A	199	3401	12.25	-1.31	-0.24	B<
5	MC	14918	10420	0.03	-0.02	0.00	A	14918	3401	1.85	-0.17	-0.03	A	7019	3401	3.15	-0.25	-0.04	A	199	3401	0.01	-0.04	-0.01	A
6	MC	14918	10420	121.55	-0.74	-0.14	A	14918	3401	43.69	-0.66	-0.12	A	7019	3401	1.50	0.13	0.03	A	199	3401	1.79	0.50	0.10	A
7	MC	14918	10420	0.22	-0.03	-0.01	A	14918	3401	7.12	-0.30	-0.05	A	7019	3401	9.51	-0.38	-0.06	A	199	3401	0.00	0.01	0.00	A
8	MC	14918	10420	0.12	-0.02	0.00	A	14918	3401	0.00	0.00	0.00	A	7019	3401	0.14	0.04	0.01	A	199	3401	2.24	-0.54	-0.10	A
9	MC	14918	10420	2.07	-0.09	-0.02	A	14918	3401	5.76	-0.23	-0.05	A	7019	3401	3.76	-0.21	-0.04	A	199	3401	1.04	-0.38	-0.07	A
10	MC	14918	10420	0.00	0.00	0.00	A	14918	3401	0.09	-0.03	-0.01	A	7019	3401	0.26	-0.06	-0.01	A	199	3401	0.01	0.04	0.01	A
11	MC	14918	10420	2.36	-0.10	-0.02	A	14918	3401	2.93	-0.16	-0.03	A	7019	3401	0.85	-0.10	-0.02	A	199	3401	0.06	0.09	0.02	A
12	MC	14918	10420	0.10	0.02	0.00	A	14918	3401	0.92	0.10	0.02	A	7019	3401	0.98	0.11	0.02	A	199	3401	2.52	-0.60	-0.11	A
13	MC	14918	10420	0.14	-0.02	0.00	A	14918	3401	0.25	0.05	0.01	A	7019	3401	0.91	0.10	0.02	A	199	3401	0.26	-0.20	-0.03	A
14	MC	14918	10420	0.72	-0.05	-0.01	A	14918	3401	0.11	-0.03	-0.01	A	7019	3401	0.03	0.02	0.01	A	199	3401	0.02	-0.05	-0.01	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF),
SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.49: DIF Statistics based on FRL Students for Items in Listening on Stage III

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	21731	2714	1.23	0.13	0.02	A
2	MC	21731	2714	0.54	-0.08	-0.01	A
3	MC	21731	2714	2.86	0.18	0.03	A
4	MC	21731	2714	0.13	0.04	0.01	A
5	MC	21731	2714	0.02	0.02	0.00	A
6	MC	21731	2714	53.65	-0.76	-0.14	A
7	MC	21731	2714	3.80	-0.24	-0.04	A
8	MC	21731	2714	0.02	0.02	0.00	A
9	MC	21731	2714	0.79	-0.09	-0.02	A
10	MC	21731	2714	0.05	-0.02	0.00	A
11	MC	21731	2714	0.07	-0.03	0.00	A
12	MC	21731	2714	6.39	-0.29	-0.05	A
13	MC	21731	2714	0.29	0.06	0.01	A
14	MC	21731	2714	2.01	-0.14	-0.03	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.50: DIF Statistics based on ELL Students for Items in Speaking on Stage III

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
59	SA4	11142	14167	152.82		0.09	A	21776	3562	26.14		0.07	A	2628	22710	37.05		-0.09	A	2598	22740	88.01		-0.03	A
60	SA4	11142	14167	18.51		-0.03	A	21776	3562	2.01		0.00	A	2628	22710	11.40		0.06	A	2598	22740	59.27		0.20	B>
61	SA4	11142	14167	41.42		-0.05	A	21776	3562	82.98		0.14	A	2628	22710	17.07		-0.02	A	2598	22740	36.65		0.03	A
62	SA4	11142	14167	27.24		0.01	A	21776	3562	173.27		0.21	B>	2628	22710	83.47		-0.11	A	2598	22740	50.01		0.08	A
63	SA4	11142	14167	40.79		-0.07	A	21776	3562	26.03		0.08	A	2628	22710	21.56		0.05	A	2598	22740	103.85		0.22	B>
64	SA4	11142	14167	113.39		-0.08	A	21776	3562	253.21		0.27	C>	2628	22710	56.70		-0.14	A	2598	22740	41.10		0.13	A
65	SA4	11142	14167	17.55		0.03	A	21776	3562	94.86		0.16	A	2628	22710	43.52		-0.12	A	2598	22740	35.53		0.11	A
66	SA4	11142	14167	48.25		-0.07	A	21776	3562	1.13		0.01	A	2628	22710	37.95		0.10	A	2598	22740	73.82		-0.06	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.51: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage III

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
59	SA4	14918	10420	17.61		0.00	A	14918	3401	12.47		-0.04	A	7019	3401	27.72		-0.06	A	199	3401	22.48		-0.24	B<
60	SA4	14918	10420	7.30		0.03	A	14918	3401	9.86		-0.05	A	7019	3401	34.51		-0.10	A	199	3401	1.83		-0.05	A
61	SA4	14918	10420	14.56		0.01	A	14918	3401	23.16		-0.08	A	7019	3401	51.05		-0.13	A	199	3401	25.46		-0.32	C<
62	SA4	14918	10420	89.45		0.10	A	14918	3401	17.93		0.00	A	7019	3401	67.68		-0.14	A	199	3401	42.34		-0.43	C<
63	SA4	14918	10420	3.95		0.02	A	14918	3401	29.37		-0.09	A	7019	3401	68.71		-0.15	A	199	3401	3.47		0.10	A
64	SA4	14918	10420	205.93		0.17	A	14918	3401	34.62		0.08	A	7019	3401	38.85		-0.12	A	199	3401	7.14		-0.16	A
65	SA4	14918	10420	31.56		0.07	A	14918	3401	0.45		-0.01	A	7019	3401	30.45		-0.10	A	199	3401	8.23		-0.17	A
66	SA4	14918	10420	55.73		-0.05	A	14918	3401	79.04		-0.15	A	7019	3401	51.79		-0.13	A	199	3401	3.61		0.07	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.52: DIF Statistics based on FRL Students for Items in Speaking on Stage III

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELLP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
59	SA4	21731	2714	6.77		-0.03	A
60	SA4	21731	2714	1.86		0.00	A
61	SA4	21731	2714	16.49		-0.07	A
62	SA4	21731	2714	9.27		0.03	A
63	SA4	21731	2714	7.95		0.00	A
64	SA4	21731	2714	35.56		0.10	A
65	SA4	21731	2714	7.56		0.00	A
66	SA4	21731	2714	28.04		-0.07	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.53: DIF Statistics based on ELL Students for Items in Reading on Stage IV

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	4332	6225	20.44	0.80	0.08	A	8609	1960	5.84	0.50	0.05	A	1262	9307	1.37	-0.30	-0.03	A	1249	9320	6.37	-0.55	-0.09	A
16	MC	4332	6225	20.12	0.45	0.08	A	8609	1960	0.45	-0.08	-0.02	A	1262	9307	0.44	0.10	0.02	A	1249	9320	6.12	-0.37	-0.08	A
17	MC	4332	6225	0.76	0.13	0.01	A	8609	1960	0.90	-0.17	-0.02	A	1262	9307	5.07	0.52	0.06	A	1249	9320	3.38	-0.36	-0.06	A
18	MC	4332	6225	1.97	-0.20	-0.02	A	8609	1960	0.04	-0.03	0.00	A	1262	9307	25.33	1.20	0.14	B>	1249	9320	4.60	0.42	0.07	A
19	MC	4332	6225	3.87	0.36	0.03	A	8609	1960	0.25	-0.11	-0.01	A	1262	9307	14.45	1.20	0.10	B>	1249	9320	4.75	0.54	0.07	A
20	MC	4332	6225	22.20	0.47	0.09	A	8609	1960	1.43	-0.15	-0.03	A	1262	9307	1.88	-0.21	-0.04	A	1249	9320	0.09	0.05	0.01	A
21	MC	4332	6225	24.51	0.52	0.09	A	8609	1960	0.19	-0.06	-0.01	A	1262	9307	0.61	0.12	0.02	A	1249	9320	3.60	0.29	0.06	A
22	MC	4332	6225	56.44	0.82	0.13	A	8609	1960	3.54	-0.26	-0.04	A	1262	9307	0.00	-0.01	0.00	A	1249	9320	1.12	-0.17	-0.03	A
23	MC	4332	6225	34.62	0.58	0.12	A	8609	1960	0.31	-0.07	-0.02	A	1262	9307	0.02	0.02	0.00	A	1249	9320	0.72	-0.13	-0.03	A
24	MC	4332	6225	0.23	-0.06	-0.01	A	8609	1960	1.83	-0.22	-0.03	A	1262	9307	13.31	0.72	0.09	A	1249	9320	0.40	-0.11	-0.02	A
25	MC	4332	6225	3.31	0.18	0.03	A	8609	1960	5.04	0.28	0.06	A	1262	9307	10.03	-0.47	-0.09	A	1249	9320	5.09	-0.35	-0.07	A
26	MC	4332	6225	0.77	0.09	0.01	A	8609	1960	0.01	0.01	0.00	A	1262	9307	11.50	-0.51	-0.10	A	1249	9320	6.63	-0.38	-0.07	A
27	MC	4332	6225	33.01	-0.61	-0.11	A	8609	1960	1.48	-0.16	-0.03	A	1262	9307	0.56	-0.12	-0.02	A	1249	9320	0.53	-0.12	-0.02	A
28	MC	4332	6225	2.98	-0.19	-0.03	A	8609	1960	8.31	-0.40	-0.07	A	1262	9307	0.02	-0.03	0.00	A	1249	9320	0.92	-0.18	-0.03	A
29	MC	4332	6225	40.56	-0.62	-0.12	A	8609	1960	0.29	-0.07	-0.02	A	1262	9307	1.33	-0.17	-0.03	A	1249	9320	10.79	-0.50	-0.10	A
30	MC	4332	6225	86.74	-0.95	-0.17	A	8609	1960	4.71	-0.28	-0.05	A	1262	9307	20.47	0.71	0.13	A	1249	9320	0.80	-0.13	-0.02	A
31	MC	4332	6225	16.08	-0.41	-0.08	A	8609	1960	9.12	-0.40	-0.07	A	1262	9307	1.36	-0.19	-0.03	A	1249	9320	0.06	0.04	0.01	A
32	MC	4332	6225	9.93	0.34	0.05	A	8609	1960	1.22	-0.15	-0.03	A	1262	9307	3.67	-0.31	-0.05	A	1249	9320	20.59	-0.71	-0.13	A
33	MC	4332	6225	6.86	-0.26	-0.05	A	8609	1960	17.78	0.53	0.10	A	1262	9307	3.88	-0.30	-0.06	A	1249	9320	1.39	0.18	0.04	A
34	MC	4332	6225	1.89	0.13	0.03	A	8609	1960	1.18	-0.13	-0.03	A	1262	9307	2.14	0.22	0.04	A	1249	9320	1.92	0.21	0.04	A
35	MC	4332	6225	0.02	-0.01	0.00	A	8609	1960	12.98	-0.45	-0.09	A	1262	9307	4.64	-0.32	-0.06	A	1249	9320	2.80	0.26	0.05	A
36	MC	4332	6225	0.17	-0.04	-0.01	A	8609	1960	1.47	0.15	0.03	A	1262	9307	8.73	-0.46	-0.09	A	1249	9320	5.52	-0.38	-0.07	A
37	MC	4332	6225	150.50	-1.24	-0.23	B<	8609	1960	4.33	-0.27	-0.05	A	1262	9307	8.00	0.44	0.08	A	1249	9320	3.66	0.29	0.06	A
38	MC	4332	6225	16.79	0.50	0.08	A	8609	1960	1.38	-0.18	-0.03	A	1262	9307	0.69	0.15	0.03	A	1249	9320	0.62	-0.15	-0.03	A
39	MC	4332	6225	13.50	0.36	0.07	A	8609	1960	1.31	0.14	0.03	A	1262	9307	3.36	-0.28	-0.05	A	1249	9320	0.68	0.13	0.02	A
40	MC	4332	6225	3.38	0.18	0.04	A	8609	1960	13.89	-0.46	-0.09	A	1262	9307	4.95	-0.34	-0.07	A	1249	9320	2.12	-0.23	-0.04	A
61	SA1	4332	6225	83.94	-0.97	-0.18	A	8609	1960	3.37	-0.24	-0.05	A	1262	9307	9.77	0.48	0.09	A	1249	9320	26.79	-0.92	-0.14	A
62	SA1	4332	6225	5.50	0.26	0.05	A	8609	1960	14.33	-0.52	-0.09	A	1262	9307	12.35	0.57	0.10	A	1249	9320	25.78	-1.00	-0.14	B<

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.54: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage IV

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	5583	4986	5.67	0.40	0.04	A	5583	1268	0.73	-0.24	-0.03	A	3718	1268	8.02	-0.82	-0.09	A	145	1268	0.22	-0.34	-0.04	A
16	MC	5583	4986	0.00	0.01	0.00	A	5583	1268	1.35	0.18	0.04	A	3718	1268	2.55	0.26	0.05	A	145	1268	0.14	0.16	0.03	A
17	MC	5583	4986	2.64	0.23	0.03	A	5583	1268	0.01	0.02	0.00	A	3718	1268	1.23	-0.26	-0.04	A	145	1268	0.84	0.61	0.08	A
18	MC	5583	4986	3.31	-0.25	-0.03	A	5583	1268	19.23	-1.05	-0.13	B<	3718	1268	17.50	-1.04	-0.13	B<	145	1268	0.13	0.27	0.03	A
19	MC	5583	4986	1.92	-0.25	-0.02	A	5583	1268	10.73	-1.03	-0.09	B<	3718	1268	9.27	-0.99	-0.10	A	145	1268	0.54	-0.58	-0.07	A
20	MC	5583	4986	0.72	-0.08	-0.02	A	5583	1268	1.90	-0.21	-0.04	A	3718	1268	1.07	-0.17	-0.04	A	145	1268	0.60	-0.34	-0.06	A
21	MC	5583	4986	1.07	-0.11	-0.02	A	5583	1268	4.75	-0.36	-0.06	A	3718	1268	3.26	-0.31	-0.06	A	145	1268	1.66	-0.57	-0.11	A
22	MC	5583	4986	0.77	-0.09	-0.02	A	5583	1268	0.59	-0.13	-0.02	A	3718	1268	0.07	-0.05	-0.01	A	145	1268	0.02	-0.06	-0.01	A
23	MC	5583	4986	0.91	0.09	0.02	A	5583	1268	2.46	0.25	0.05	A	3718	1268	1.37	0.19	0.04	A	145	1268	1.97	0.61	0.12	A
24	MC	5583	4986	0.18	-0.05	-0.01	A	5583	1268	0.30	0.10	0.01	A	3718	1268	1.36	0.24	0.03	A	145	1268	8.67	1.76	0.24	C>
25	MC	5583	4986	16.23	0.39	0.08	A	5583	1268	19.32	0.69	0.13	A	3718	1268	5.88	0.40	0.07	A	145	1268	0.75	0.38	0.07	A
26	MC	5583	4986	0.61	0.08	0.01	A	5583	1268	0.09	0.05	0.01	A	3718	1268	0.05	-0.04	-0.01	A	145	1268	2.46	-0.70	-0.13	A
27	MC	5583	4986	0.34	0.06	0.01	A	5583	1268	2.88	0.28	0.05	A	3718	1268	2.97	0.30	0.05	A	145	1268	0.19	0.20	0.04	A
28	MC	5583	4986	9.15	-0.33	-0.06	A	5583	1268	0.37	-0.11	-0.02	A	3718	1268	2.26	0.28	0.05	A	145	1268	0.14	0.19	0.03	A
29	MC	5583	4986	0.12	0.03	0.01	A	5583	1268	3.96	0.30	0.06	A	3718	1268	5.35	0.37	0.07	A	145	1268	0.02	0.06	0.01	A
30	MC	5583	4986	0.49	0.07	0.01	A	5583	1268	1.20	-0.17	-0.03	A	3718	1268	3.81	-0.33	-0.06	A	145	1268	0.18	-0.19	-0.04	A
31	MC	5583	4986	6.35	-0.26	-0.05	A	5583	1268	0.02	0.02	0.01	A	3718	1268	4.30	0.35	0.07	A	145	1268	0.03	0.08	0.01	A
32	MC	5583	4986	2.76	0.17	0.03	A	5583	1268	5.50	0.39	0.07	A	3718	1268	3.26	0.31	0.05	A	145	1268	0.51	0.32	0.06	A
33	MC	5583	4986	2.26	0.15	0.03	A	5583	1268	0.88	0.14	0.03	A	3718	1268	0.00	0.01	0.00	A	145	1268	8.42	-1.39	-0.25	B<
34	MC	5583	4986	0.00	0.00	0.00	A	5583	1268	0.67	0.13	0.03	A	3718	1268	1.17	0.18	0.03	A	145	1268	1.37	0.51	0.10	A
35	MC	5583	4986	12.31	-0.34	-0.07	A	5583	1268	0.30	0.09	0.02	A	3718	1268	11.98	0.56	0.11	A	145	1268	0.73	-0.37	-0.07	A
36	MC	5583	4986	6.28	0.25	0.05	A	5583	1268	7.34	0.43	0.09	A	3718	1268	2.22	0.25	0.05	A	145	1268	0.96	0.43	0.08	A
37	MC	5583	4986	10.90	-0.33	-0.06	A	5583	1268	8.14	-0.45	-0.08	A	3718	1268	0.96	-0.16	-0.03	A	145	1268	0.01	-0.05	-0.01	A
38	MC	5583	4986	1.56	-0.15	-0.02	A	5583	1268	0.01	-0.02	0.00	A	3718	1268	0.76	0.18	0.03	A	145	1268	0.36	0.32	0.05	A
39	MC	5583	4986	1.02	0.10	0.02	A	5583	1268	0.30	0.09	0.02	A	3718	1268	0.06	-0.04	0.00	A	145	1268	0.14	-0.16	-0.03	A
40	MC	5583	4986	1.78	-0.13	-0.03	A	5583	1268	0.05	-0.04	-0.01	A	3718	1268	0.58	0.12	0.03	A	145	1268	1.50	-0.56	-0.11	A
61	SA1	5583	4986	7.88	-0.29	-0.05	A	5583	1268	0.62	-0.13	-0.02	A	3718	1268	1.37	0.20	0.04	A	145	1268	2.25	0.66	0.13	A
62	SA1	5583	4986	16.21	-0.44	-0.08	A	5583	1268	1.81	-0.23	-0.04	A	3718	1268	2.30	0.27	0.06	A	145	1268	0.27	0.25	0.04	A

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.55: DIF Statistics based on FRL Students for Items in Reading on Stage IV

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	8879	1189	1.42	0.32	0.03	A
16	MC	8879	1189	0.00	0.00	0.00	A
17	MC	8879	1189	0.02	-0.03	-0.01	A
18	MC	8879	1189	0.16	0.09	0.01	A
19	MC	8879	1189	0.11	0.09	0.01	A
20	MC	8879	1189	0.32	-0.09	-0.01	A
21	MC	8879	1189	1.68	-0.22	-0.03	A
22	MC	8879	1189	0.45	-0.11	-0.01	A
23	MC	8879	1189	0.88	-0.14	-0.03	A
24	MC	8879	1189	0.10	-0.06	-0.01	A
25	MC	8879	1189	0.65	0.13	0.03	A
26	MC	8879	1189	0.05	0.04	0.01	A
27	MC	8879	1189	1.80	-0.22	-0.04	A
28	MC	8879	1189	0.48	-0.12	-0.01	A
29	MC	8879	1189	0.66	-0.12	-0.03	A
30	MC	8879	1189	0.00	0.00	0.00	A
31	MC	8879	1189	0.77	-0.14	-0.02	A
32	MC	8879	1189	0.07	0.04	0.01	A
33	MC	8879	1189	4.43	0.32	0.06	A
34	MC	8879	1189	1.72	-0.20	-0.04	A
35	MC	8879	1189	5.67	-0.36	-0.07	A
36	MC	8879	1189	0.22	-0.07	-0.01	A
37	MC	8879	1189	7.37	-0.44	-0.08	A
38	MC	8879	1189	2.66	0.33	0.05	A
39	MC	8879	1189	0.15	-0.06	-0.01	A
40	MC	8879	1189	3.35	-0.28	-0.05	A
61	SA1	8879	1189	0.46	-0.11	-0.02	A
62	SA1	8879	1189	1.08	-0.18	-0.03	A

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item , NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.56: DIF Statistics based on ELL Students for Items in Writing on Stage IV

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
41	MC	4332	6225	33.33	0.61	0.11	A	8609	1960	93.35	-1.38	-0.24	B<	1262	9307	131.17	2.09	0.33	C>	1249	9320	1.91	-0.21	-0.04	A
42	MC	4332	6225	0.21	0.05	0.01	A	8609	1960	21.36	-0.58	-0.12	A	1262	9307	7.34	0.41	0.08	A	1249	9320	1.11	-0.17	-0.03	A
43	MC	4332	6225	5.17	-0.22	-0.05	A	8609	1960	11.53	-0.41	-0.08	A	1262	9307	7.74	0.40	0.08	A	1249	9320	0.48	0.10	0.02	A
44	MC	4332	6225	16.69	0.42	0.07	A	8609	1960	7.38	-0.36	-0.07	A	1262	9307	0.42	0.10	0.02	A	1249	9320	25.83	-0.77	-0.16	A
45	MC	4332	6225	51.85	0.72	0.13	A	8609	1960	2.38	-0.19	-0.03	A	1262	9307	0.13	-0.05	-0.01	A	1249	9320	8.09	-0.44	-0.08	A
46	MC	4332	6225	0.84	0.09	0.02	A	8609	1960	0.80	0.11	0.02	A	1262	9307	17.69	-0.64	-0.12	A	1249	9320	0.07	0.04	0.01	A
47	MC	4332	6225	0.31	0.05	0.01	A	8609	1960	0.10	0.04	0.01	A	1262	9307	2.72	-0.25	-0.05	A	1249	9320	23.18	-0.74	-0.14	A
48	MC	4332	6225	4.21	0.20	0.04	A	8609	1960	0.00	0.00	0.00	A	1262	9307	0.01	0.01	0.00	A	1249	9320	3.43	0.28	0.05	A
49	MC	4332	6225	0.05	-0.02	0.00	A	8609	1960	12.67	0.45	0.09	A	1262	9307	0.08	-0.04	-0.01	A	1249	9320	0.65	0.12	0.03	A
50	MC	4332	6225	34.87	0.74	0.10	A	8609	1960	2.38	0.23	0.04	A	1262	9307	8.17	0.55	0.08	A	1249	9320	0.52	-0.12	-0.02	A
51	MC	4332	6225	0.03	0.02	0.00	A	8609	1960	0.95	0.14	0.02	A	1262	9307	0.11	0.06	0.01	A	1249	9320	8.89	0.50	0.09	A
52	MC	4332	6225	0.77	-0.09	-0.02	A	8609	1960	4.78	0.29	0.05	A	1262	9307	3.02	-0.28	-0.05	A	1249	9320	23.28	-0.76	-0.14	A
53	MC	4332	6225	29.09	0.55	0.10	A	8609	1960	4.78	-0.28	-0.06	A	1262	9307	1.47	0.19	0.03	A	1249	9320	7.44	-0.40	-0.08	A
54	MC	4332	6225	0.03	0.02	0.00	A	8609	1960	2.78	-0.21	-0.05	A	1262	9307	0.57	0.11	0.02	A	1249	9320	2.08	0.22	0.04	A
55	MC	4332	6225	30.73	-0.55	-0.11	A	8609	1960	24.19	-0.62	-0.12	A	1262	9307	30.18	0.84	0.16	A	1249	9320	2.72	0.25	0.05	A
56	MC	4332	6225	22.03	0.51	0.08	A	8609	1960	0.09	-0.04	0.00	A	1262	9307	1.18	0.18	0.03	A	1249	9320	4.45	-0.34	-0.06	A
57	MC	4332	6225	1.73	-0.13	-0.03	A	8609	1960	4.01	-0.25	-0.05	A	1262	9307	1.26	0.16	0.03	A	1249	9320	0.25	0.08	0.01	A
58	MC	4332	6225	9.57	0.32	0.06	A	8609	1960	5.98	-0.32	-0.06	A	1262	9307	1.48	0.18	0.03	A	1249	9320	2.02	0.23	0.04	A
59	ER	4332	6225	90.39		0.12	A	8609	1960	25.61		-0.01	A	1262	9307	29.03		0.11	A	1249	9320	31.21		0.02	A
60	ER	4332	6225	79.18		0.10	A	8609	1960	30.72		-0.03	A	1262	9307	15.93		0.07	A	1249	9320	46.88		0.01	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.57: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage IV

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
41	MC	5583	4986	24.93	-0.51	-0.09	A	5583	1268	7.98	-0.46	-0.08	A	3718	1268	0.17	0.07	0.02	A	145	1268	15.59	2.22	0.34	C>
42	MC	5583	4986	0.01	0.01	0.00	A	5583	1268	3.09	0.28	0.06	A	3718	1268	5.00	0.38	0.08	A	145	1268	0.56	-0.35	-0.07	A
43	MC	5583	4986	0.10	-0.03	-0.01	A	5583	1268	0.46	0.10	0.02	A	3718	1268	0.95	0.15	0.03	A	145	1268	1.44	0.51	0.10	A
44	MC	5583	4986	10.32	0.32	0.06	A	5583	1268	12.70	0.57	0.11	A	3718	1268	4.09	0.34	0.06	A	145	1268	0.06	0.11	0.02	A
45	MC	5583	4986	0.31	-0.05	-0.01	A	5583	1268	0.95	0.15	0.03	A	3718	1268	2.61	0.26	0.06	A	145	1268	0.05	0.09	0.02	A
46	MC	5583	4986	2.76	0.16	0.03	A	5583	1268	0.78	0.14	0.03	A	3718	1268	0.07	-0.04	0.00	A	145	1268	4.80	-1.01	-0.19	A
47	MC	5583	4986	5.19	0.22	0.04	A	5583	1268	10.77	0.50	0.10	A	3718	1268	5.87	0.39	0.08	A	145	1268	0.86	0.40	0.08	A
48	MC	5583	4986	1.22	-0.11	-0.02	A	5583	1268	1.74	-0.20	-0.04	A	3718	1268	0.63	-0.13	-0.03	A	145	1268	8.36	-1.31	-0.25	B<
49	MC	5583	4986	0.09	-0.03	0.00	A	5583	1268	1.34	-0.18	-0.03	A	3718	1268	1.77	-0.21	-0.04	A	145	1268	0.32	-0.25	-0.05	A
50	MC	5583	4986	8.23	0.34	0.05	A	5583	1268	1.24	0.21	0.03	A	3718	1268	0.59	-0.15	-0.02	A	145	1268	0.67	0.43	0.07	A
51	MC	5583	4986	0.95	-0.11	-0.02	A	5583	1268	1.65	-0.23	-0.04	A	3718	1268	0.71	-0.16	-0.03	A	145	1268	2.75	-0.79	-0.14	A
52	MC	5583	4986	0.10	0.03	0.00	A	5583	1268	0.23	0.08	0.01	A	3718	1268	0.24	0.08	0.01	A	145	1268	0.18	-0.19	-0.03	A
53	MC	5583	4986	1.83	-0.13	-0.03	A	5583	1268	0.15	-0.06	-0.01	A	3718	1268	0.35	0.10	0.02	A	145	1268	0.22	-0.20	-0.04	A
54	MC	5583	4986	1.11	-0.10	-0.02	A	5583	1268	0.20	-0.07	-0.01	A	3718	1268	0.13	0.06	0.01	A	145	1268	0.47	-0.30	-0.06	A
55	MC	5583	4986	33.02	-0.56	-0.11	A	5583	1268	14.10	-0.59	-0.11	A	3718	1268	0.03	-0.03	0.00	A	145	1268	4.40	0.95	0.18	A
56	MC	5583	4986	1.01	0.11	0.02	A	5583	1268	0.00	-0.01	0.00	A	3718	1268	0.84	-0.16	-0.02	A	145	1268	0.01	-0.05	-0.01	A
57	MC	5583	4986	0.74	0.08	0.02	A	5583	1268	0.08	-0.04	-0.01	A	3718	1268	0.88	-0.15	-0.03	A	145	1268	0.14	-0.16	-0.03	A
58	MC	5583	4986	4.04	-0.20	-0.04	A	5583	1268	0.81	-0.14	-0.03	A	3718	1268	0.09	0.05	0.01	A	145	1268	0.01	0.05	0.01	A
59	ER	5583	4986	17.37		0.02	A	5583	1268	6.29		-0.02	A	3718	1268	19.92		-0.05	A	145	1268	14.37		0.19	B>
60	ER	5583	4986	35.27		-0.04	A	5583	1268	11.00		-0.07	A	3718	1268	21.64		-0.04	A	145	1268	8.60		0.14	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.58: DIF Statistics based on FRL Students for Items in Writing on Stage IV

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
41	MC	8879	1189	1.48	-0.20	-0.04	A
42	MC	8879	1189	0.06	0.04	0.01	A
43	MC	8879	1189	0.01	0.01	0.00	A
44	MC	8879	1189	1.20	0.18	0.03	A
45	MC	8879	1189	4.38	-0.33	-0.06	A
46	MC	8879	1189	2.65	-0.25	-0.04	A
47	MC	8879	1189	0.42	-0.10	-0.02	A
48	MC	8879	1189	2.19	-0.23	-0.05	A
49	MC	8879	1189	3.48	-0.29	-0.06	A
50	MC	8879	1189	2.33	0.29	0.04	A
51	MC	8879	1189	1.42	-0.22	-0.03	A
52	MC	8879	1189	0.43	0.11	0.02	A
53	MC	8879	1189	0.00	0.00	0.00	A
54	MC	8879	1189	3.86	-0.30	-0.06	A
55	MC	8879	1189	0.91	0.15	0.03	A
56	MC	8879	1189	0.21	-0.08	-0.01	A
57	MC	8879	1189	3.48	-0.29	-0.05	A
58	MC	8879	1189	2.57	-0.25	-0.05	A
59	ER	8879	1189	36.75		-0.01	A
60	ER	8879	1189	34.26		0.01	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.59: DIF Statistics based on ELL Students for Items in Listening on Stage IV

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	4332	6225	5.07	-0.38	-0.04	A	8609	1960	0.45	0.14	0.02	A	1262	9307	0.89	0.25	0.03	A	1249	9320	2.82	0.40	0.06	A
2	MC	4332	6225	3.94	-0.23	-0.03	A	8609	1960	0.02	0.02	0.00	A	1262	9307	21.40	0.86	0.13	A	1249	9320	1.26	0.18	0.04	A
3	MC	4332	6225	26.60	-0.60	-0.09	A	8609	1960	7.82	-0.42	-0.06	A	1262	9307	31.58	1.08	0.16	B>	1249	9320	5.26	0.39	0.07	A
4	MC	4332	6225	27.10	-0.50	-0.10	A	8609	1960	0.01	-0.01	0.00	A	1262	9307	1.13	-0.15	-0.03	A	1249	9320	0.15	-0.06	-0.01	A
5	MC	4332	6225	13.87	0.47	0.07	A	8609	1960	0.12	0.05	0.01	A	1262	9307	0.64	-0.15	-0.02	A	1249	9320	2.52	-0.27	-0.05	A
6	MC	4332	6225	6.54	-0.28	-0.05	A	8609	1960	2.28	-0.22	-0.04	A	1262	9307	17.03	0.74	0.12	A	1249	9320	11.27	0.56	0.11	A
7	MC	4332	6225	2.94	-0.20	-0.03	A	8609	1960	3.32	-0.27	-0.04	A	1262	9307	0.20	-0.08	-0.01	A	1249	9320	2.61	0.27	0.05	A
8	MC	4332	6225	1.33	-0.12	-0.02	A	8609	1960	0.27	-0.07	-0.01	A	1262	9307	12.60	-0.55	-0.10	A	1249	9320	0.30	0.09	0.02	A
9	MC	4332	6225	8.47	-0.32	-0.05	A	8609	1960	0.50	-0.10	-0.02	A	1262	9307	2.94	-0.28	-0.05	A	1249	9320	1.87	0.22	0.05	A
10	MC	4332	6225	13.05	-0.36	-0.07	A	8609	1960	0.23	-0.06	-0.01	A	1262	9307	2.83	-0.25	-0.05	A	1249	9320	3.16	-0.26	-0.05	A
11	MC	4332	6225	10.45	-0.33	-0.06	A	8609	1960	5.98	0.31	0.06	A	1262	9307	10.47	-0.49	-0.09	A	1249	9320	2.43	-0.24	-0.05	A
12	MC	4332	6225	4.88	-0.22	-0.04	A	8609	1960	0.04	-0.02	0.00	A	1262	9307	2.56	-0.24	-0.05	A	1249	9320	1.52	-0.18	-0.04	A
13	MC	4332	6225	3.42	-0.19	-0.03	A	8609	1960	1.73	0.17	0.03	A	1262	9307	9.67	-0.49	-0.09	A	1249	9320	2.54	-0.25	-0.05	A
14	MC	4332	6225	21.87	-0.48	-0.09	A	8609	1960	14.00	0.50	0.09	A	1262	9307	19.98	-0.72	-0.13	A	1249	9320	6.80	0.41	0.07	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.60: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage IV

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	5583	4986	0.04	0.03	0.00	A	5583	1268	6.23	-0.74	-0.07	A	3718	1268	10.56	-0.99	-0.10	A	145	1268	1.67	1.30	0.11	A
2	MC	5583	4986	0.62	-0.09	-0.01	A	5583	1268	0.04	-0.03	-0.01	A	3718	1268	0.27	0.10	0.01	A	145	1268	0.81	0.47	0.08	A
3	MC	5583	4986	23.52	-0.56	-0.09	A	5583	1268	30.72	-1.08	-0.16	B<	3718	1268	11.50	-0.69	-0.10	A	145	1268	2.65	-0.82	-0.14	A
4	MC	5583	4986	0.42	0.06	0.01	A	5583	1268	0.26	0.08	0.02	A	3718	1268	0.00	-0.01	0.00	A	145	1268	0.53	-0.31	-0.06	A
5	MC	5583	4986	0.70	0.10	0.01	A	5583	1268	0.46	-0.13	-0.02	A	3718	1268	2.17	-0.30	-0.05	A	145	1268	1.86	-0.69	-0.12	A
6	MC	5583	4986	1.79	-0.15	-0.02	A	5583	1268	3.22	-0.32	-0.06	A	3718	1268	1.66	-0.24	-0.05	A	145	1268	4.07	1.14	0.18	A
7	MC	5583	4986	0.24	0.06	0.01	A	5583	1268	0.08	0.05	0.00	A	3718	1268	0.00	-0.01	-0.01	A	145	1268	2.83	-0.78	-0.14	A
8	MC	5583	4986	0.00	0.00	0.00	A	5583	1268	0.46	-0.10	-0.02	A	3718	1268	0.75	-0.14	-0.03	A	145	1268	5.67	-1.16	-0.21	A
9	MC	5583	4986	0.38	0.07	0.01	A	5583	1268	0.07	0.04	0.01	A	3718	1268	0.01	-0.02	-0.01	A	145	1268	0.18	-0.19	-0.03	A
10	MC	5583	4986	0.00	-0.01	0.00	A	5583	1268	1.58	-0.20	-0.04	A	3718	1268	2.77	-0.28	-0.05	A	145	1268	0.35	-0.26	-0.05	A
11	MC	5583	4986	3.40	0.18	0.03	A	5583	1268	0.53	0.11	0.02	A	3718	1268	0.32	-0.09	-0.02	A	145	1268	2.29	-0.69	-0.13	A
12	MC	5583	4986	2.20	0.15	0.03	A	5583	1268	1.02	0.16	0.03	A	3718	1268	0.01	0.02	0.00	A	145	1268	0.02	-0.06	-0.01	A
13	MC	5583	4986	0.70	0.09	0.01	A	5583	1268	0.40	-0.11	-0.02	A	3718	1268	2.08	-0.25	-0.04	A	145	1268	6.68	-1.11	-0.21	B<
14	MC	5583	4986	6.44	-0.26	-0.05	A	5583	1268	1.72	-0.21	-0.04	A	3718	1268	0.06	0.04	0.01	A	145	1268	3.52	-0.89	-0.16	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.61: DIF Statistics based on FRL Students for Items in Listening on Stage IV

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	8879	1189	0.37	-0.17	-0.02	A
2	MC	8879	1189	4.77	-0.42	-0.07	A
3	MC	8879	1189	0.43	-0.12	-0.01	A
4	MC	8879	1189	0.79	-0.13	-0.02	A
5	MC	8879	1189	0.01	0.02	0.00	A
6	MC	8879	1189	0.85	-0.16	-0.03	A
7	MC	8879	1189	4.59	-0.41	-0.06	A
8	MC	8879	1189	0.15	0.06	0.02	A
9	MC	8879	1189	0.00	-0.01	0.00	A
10	MC	8879	1189	1.12	0.17	0.04	A
11	MC	8879	1189	0.07	-0.04	-0.01	A
12	MC	8879	1189	4.04	0.31	0.06	A
13	MC	8879	1189	0.28	0.09	0.02	A
14	MC	8879	1189	4.14	-0.32	-0.05	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.62: DIF Statistics based on ELL Students for Items in Speaking on Stage IV

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	4332	6225	12.74		0.03	A	8609	1960	10.64		0.05	A	1262	9307	5.34		-0.02	A	1249	9320	43.39		0.20	B>
64	SA4	4332	6225	17.38		-0.01	A	8609	1960	51.60		0.14	A	1262	9307	16.69		0.03	A	1249	9320	42.58		0.15	A
65	SA4	4332	6225	69.33		-0.08	A	8609	1960	13.85		0.08	A	1262	9307	4.06		0.03	A	1249	9320	39.38		0.17	A
66	SA4	4332	6225	53.80		-0.12	A	8609	1960	10.57		0.02	A	1262	9307	40.70		0.16	A	1249	9320	54.31		0.15	A
67	SA4	4332	6225	58.63		-0.12	A	8609	1960	33.44		0.12	A	1262	9307	10.88		-0.02	A	1249	9320	60.13		0.24	B>
68	SA4	4332	6225	53.69		0.06	A	8609	1960	33.80		0.13	A	1262	9307	6.97		-0.04	A	1249	9320	72.56		0.15	A
69	SA4	4332	6225	40.46		-0.04	A	8609	1960	5.70		0.06	A	1262	9307	7.33		-0.03	A	1249	9320	58.10		0.16	A
70	SA4	4332	6225	23.46		-0.04	A	8609	1960	51.31		-0.09	A	1262	9307	58.25		0.17	B>	1249	9320	106.58		0.26	C>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.63: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage IV

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	5583	4986	22.60		0.07	A	5583	1268	26.35		0.03	A	3718	1268	18.97		-0.06	A	145	1268	4.44		-0.13	A
64	SA4	5583	4986	27.09		0.05	A	5583	1268	3.29		0.02	A	3718	1268	7.93		-0.03	A	145	1268	4.39		0.05	A
65	SA4	5583	4986	10.97		0.03	A	5583	1268	4.87		-0.03	A	3718	1268	6.95		-0.08	A	145	1268	5.25		0.17	A
66	SA4	5583	4986	10.10		-0.04	A	5583	1268	18.01		-0.09	A	3718	1268	10.16		-0.07	A	145	1268	4.56		0.11	A
67	SA4	5583	4986	14.16		0.05	A	5583	1268	8.68		-0.03	A	3718	1268	17.05		-0.11	A	145	1268	0.98		0.04	A
68	SA4	5583	4986	23.61		0.08	A	5583	1268	16.95		0.05	A	3718	1268	15.17		-0.04	A	145	1268	6.67		-0.17	A
69	SA4	5583	4986	8.26		0.04	A	5583	1268	9.26		-0.02	A	3718	1268	12.12		-0.08	A	145	1268	0.83		0.01	A
70	SA4	5583	4986	102.66		-0.11	A	5583	1268	60.92		-0.19	B<	3718	1268	13.90		-0.10	A	145	1268	2.47		-0.01	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.64: DIF Statistics based on FRL Students for Items in Speaking on Stage IV

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	8879	1189	7.51		0.05	A
64	SA4	8879	1189	8.81		0.04	A
65	SA4	8879	1189	11.09		-0.03	A
66	SA4	8879	1189	7.52		-0.03	A
67	SA4	8879	1189	3.71		-0.01	A
68	SA4	8879	1189	1.44		-0.03	A
69	SA4	8879	1189	2.93		-0.03	A
70	SA4	8879	1189	9.32		-0.07	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.65: DIF Statistics based on ELL Students for Items in Reading on Stage V

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	2245	3009	3.59	-0.26	-0.05	A	3624	1641	1.02	0.15	0.03	A	453	4812	23.04	1.28	0.24	B>	300	4965	9.61	0.96	0.19	A
16	MC	2245	3009	7.83	0.48	0.07	A	3624	1641	0.30	0.10	0.02	A	453	4812	0.16	-0.12	-0.02	A	300	4965	15.57	-1.28	-0.24	B<
17	MC	2245	3009	0.08	-0.05	-0.01	A	3624	1641	3.53	0.34	0.05	A	453	4812	2.25	0.48	0.06	A	300	4965	5.51	-0.75	-0.13	A
18	MC	2245	3009	1.33	0.16	0.03	A	3624	1641	7.05	0.38	0.08	A	453	4812	2.66	0.38	0.08	A	300	4965	0.81	0.26	0.05	A
19	MC	2245	3009	34.83	-0.89	-0.15	A	3624	1641	58.45	-1.31	-0.20	B<	453	4812	96.32	3.46	0.43	C>	300	4965	28.58	1.88	0.30	C>
20	MC	2245	3009	4.96	0.54	0.06	A	3624	1641	4.76	0.55	0.06	A	453	4812	0.77	0.45	0.04	A	300	4965	2.63	-0.73	-0.10	A
21	MC	2245	3009	2.77	0.23	0.04	A	3624	1641	81.72	1.33	0.26	B>	453	4812	18.79	-1.05	-0.21	B<	300	4965	10.67	-0.93	-0.19	A
22	MC	2245	3009	3.89	0.27	0.05	A	3624	1641	7.65	0.40	0.08	A	453	4812	2.07	-0.35	-0.07	A	300	4965	3.02	-0.52	-0.10	A
23	MC	2245	3009	22.15	0.81	0.11	A	3624	1641	9.13	-0.56	-0.08	A	453	4812	5.55	-0.69	-0.10	A	300	4965	7.68	-0.92	-0.16	A
24	MC	2245	3009	1.26	0.16	0.03	A	3624	1641	33.43	0.88	0.16	A	453	4812	4.70	-0.54	-0.11	A	300	4965	0.54	-0.22	-0.04	A
25	MC	2245	3009	0.00	0.01	0.00	A	3624	1641	28.99	0.78	0.15	A	453	4812	21.34	-1.16	-0.22	B<	300	4965	2.30	-0.44	-0.09	A
26	MC	2245	3009	4.74	0.31	0.06	A	3624	1641	7.24	0.41	0.07	A	453	4812	0.28	0.13	0.03	A	300	4965	4.85	-0.68	-0.12	A
27	MC	2245	3009	34.31	0.80	0.16	A	3624	1641	9.87	0.46	0.09	A	453	4812	1.06	-0.25	-0.05	A	300	4965	2.01	-0.42	-0.08	A
28	MC	2245	3009	23.45	0.74	0.12	A	3624	1641	2.02	0.23	0.04	A	453	4812	6.29	-0.66	-0.11	A	300	4965	6.01	-0.75	-0.14	A
29	MC	2245	3009	3.77	0.28	0.05	A	3624	1641	0.06	-0.04	-0.01	A	453	4812	10.14	-0.80	-0.15	A	300	4965	4.16	-0.61	-0.12	A
30	MC	2245	3009	7.71	0.39	0.07	A	3624	1641	9.72	0.47	0.09	A	453	4812	4.87	-0.56	-0.10	A	300	4965	8.45	-0.85	-0.17	A
31	MC	2245	3009	5.49	-0.32	-0.06	A	3624	1641	22.40	0.70	0.14	A	453	4812	0.27	-0.13	-0.02	A	300	4965	0.06	-0.07	-0.01	A
32	MC	2245	3009	17.05	0.66	0.10	A	3624	1641	2.37	-0.27	-0.04	A	453	4812	5.69	-0.68	-0.10	A	300	4965	19.93	-1.41	-0.26	B<
33	MC	2245	3009	0.38	0.09	0.01	A	3624	1641	9.03	0.49	0.08	A	453	4812	3.22	-0.47	-0.08	A	300	4965	6.54	-0.77	-0.14	A
34	MC	2245	3009	8.22	0.48	0.07	A	3624	1641	4.64	-0.39	-0.06	A	453	4812	4.22	-0.61	-0.09	A	300	4965	5.67	-0.76	-0.14	A
35	MC	2245	3009	0.59	0.11	0.02	A	3624	1641	33.46	-0.84	-0.17	A	453	4812	0.08	0.07	0.01	A	300	4965	4.04	-0.61	-0.11	A
36	MC	2245	3009	2.81	-0.25	-0.04	A	3624	1641	3.67	0.30	0.05	A	453	4812	5.30	0.62	0.10	A	300	4965	0.71	0.26	0.05	A
37	MC	2245	3009	9.13	0.43	0.08	A	3624	1641	1.31	0.17	0.03	A	453	4812	8.52	-0.72	-0.14	A	300	4965	1.39	-0.36	-0.06	A
38	MC	2245	3009	24.46	0.70	0.13	A	3624	1641	0.02	-0.02	0.00	A	453	4812	6.99	-0.66	-0.12	A	300	4965	6.02	-0.71	-0.14	A
39	MC	2245	3009	8.36	0.41	0.08	A	3624	1641	2.48	-0.24	-0.04	A	453	4812	22.07	-1.23	-0.23	B<	300	4965	3.37	-0.58	-0.10	A
40	MC	2245	3009	1.81	0.19	0.04	A	3624	1641	0.82	0.14	0.03	A	453	4812	0.20	0.11	0.02	A	300	4965	0.34	-0.18	-0.03	A
41	MC	2245	3009	0.04	-0.03	-0.01	A	3624	1641	10.45	-0.49	-0.09	A	453	4812	0.83	-0.23	-0.05	A	300	4965	1.63	0.40	0.07	A
42	MC	2245	3009	0.18	-0.06	-0.01	A	3624	1641	0.07	-0.04	-0.01	A	453	4812	1.13	0.26	0.05	A	300	4965	0.05	-0.07	-0.01	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.66: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage V

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	1947	3318	3.58	-0.26	-0.05	A	1947	600	5.55	-0.55	-0.11	A	2718	600	1.84	-0.31	-0.07	A	45	600	1.74	1.16	0.20	A
16	MC	1947	3318	5.68	0.42	0.07	A	1947	600	10.74	0.90	0.15	A	2718	600	4.97	0.59	0.10	A	45	600	2.31	1.60	0.22	A
17	MC	1947	3318	0.55	0.13	0.02	A	1947	600	0.01	0.02	0.00	A	2718	600	0.14	-0.10	-0.02	A	45	600	0.00	0.04	0.00	A
18	MC	1947	3318	0.32	-0.08	-0.01	A	1947	600	2.73	-0.37	-0.07	A	2718	600	2.59	-0.35	-0.07	A	45	600	0.03	-0.14	-0.03	A
19	MC	1947	3318	151.12	-1.87	-0.31	C<	1947	600	46.82	-1.75	-0.29	C<	2718	600	0.37	0.16	0.02	A	45	600	8.63	3.59	0.40	C>
20	MC	1947	3318	5.31	0.57	0.07	A	1947	600	1.53	-0.56	-0.06	A	2718	600	8.89	-1.30	-0.13	B<	45	600	0.95	2.39	0.13	A
21	MC	1947	3318	63.91	1.14	0.22	B>	1947	600	6.64	0.60	0.11	A	2718	600	8.46	-0.65	-0.13	A	45	600	2.36	-1.13	-0.23	A
22	MC	1947	3318	11.88	0.48	0.09	A	1947	600	2.19	0.34	0.06	A	2718	600	0.83	-0.20	-0.04	A	45	600	0.05	-0.16	-0.03	A
23	MC	1947	3318	0.30	-0.09	-0.02	A	1947	600	0.18	0.12	0.01	A	2718	600	0.85	0.25	0.03	A	45	600	0.00	-0.04	-0.01	A
24	MC	1947	3318	17.90	0.61	0.11	A	1947	600	0.94	0.22	0.04	A	2718	600	4.65	-0.48	-0.09	A	45	600	1.78	-1.08	-0.20	A
25	MC	1947	3318	9.31	0.43	0.08	A	1947	600	1.96	0.32	0.06	A	2718	600	0.45	-0.15	-0.03	A	45	600	11.25	-2.93	-0.50	C<
26	MC	1947	3318	4.87	0.32	0.06	A	1947	600	1.68	0.32	0.06	A	2718	600	0.01	-0.03	-0.01	A	45	600	1.76	-0.93	-0.19	A
27	MC	1947	3318	10.54	0.45	0.09	A	1947	600	1.73	0.30	0.06	A	2718	600	0.79	-0.20	-0.04	A	45	600	6.97	-2.15	-0.39	C<
28	MC	1947	3318	3.75	0.30	0.05	A	1947	600	0.11	0.09	0.02	A	2718	600	1.25	-0.28	-0.04	A	45	600	0.63	-0.65	-0.11	A
29	MC	1947	3318	0.03	0.03	0.00	A	1947	600	3.04	0.41	0.07	A	2718	600	4.31	0.47	0.09	A	45	600	4.05	-1.65	-0.29	A
30	MC	1947	3318	13.02	0.51	0.10	A	1947	600	13.81	0.86	0.16	A	2718	600	4.42	0.47	0.08	A	45	600	0.65	-0.67	-0.12	A
31	MC	1947	3318	19.47	0.62	0.12	A	1947	600	8.88	0.69	0.14	A	2718	600	0.13	0.08	0.01	A	45	600	5.02	-1.85	-0.34	A
32	MC	1947	3318	1.28	0.18	0.03	A	1947	600	0.03	0.05	0.01	A	2718	600	0.25	-0.13	-0.02	A	45	600	0.57	-0.68	-0.10	A
33	MC	1947	3318	3.63	0.30	0.05	A	1947	600	1.01	0.25	0.04	A	2718	600	0.02	-0.03	-0.01	A	45	600	2.61	-1.33	-0.23	A
34	MC	1947	3318	2.49	0.27	0.04	A	1947	600	2.31	0.42	0.07	A	2718	600	0.50	0.19	0.03	A	45	600	1.37	-1.06	-0.16	A
35	MC	1947	3318	1.62	0.18	0.03	A	1947	600	1.20	0.25	0.05	A	2718	600	0.14	0.08	0.01	A	45	600	0.23	0.36	0.07	A
36	MC	1947	3318	3.16	0.27	0.05	A	1947	600	0.23	0.12	0.03	A	2718	600	0.72	-0.21	-0.03	A	45	600	0.00	0.02	0.01	A
37	MC	1947	3318	9.18	0.44	0.08	A	1947	600	3.12	0.42	0.08	A	2718	600	0.00	-0.01	0.00	A	45	600	3.33	-1.49	-0.28	A
38	MC	1947	3318	5.07	0.32	0.06	A	1947	600	1.72	0.31	0.06	A	2718	600	0.01	0.02	0.01	A	45	600	0.01	-0.08	-0.01	A
39	MC	1947	3318	3.80	0.28	0.05	A	1947	600	0.14	-0.09	-0.03	A	2718	600	4.34	-0.47	-0.09	A	45	600	2.84	-1.34	-0.26	A
40	MC	1947	3318	0.07	0.04	0.00	A	1947	600	3.33	0.44	0.08	A	2718	600	3.61	0.44	0.09	A	45	600	0.27	-0.39	-0.07	A
41	MC	1947	3318	19.11	-0.66	-0.12	A	1947	600	4.48	-0.52	-0.09	A	2718	600	0.67	0.19	0.04	A	45	600	1.01	0.75	0.16	A
42	MC	1947	3318	0.12	0.05	0.01	A	1947	600	0.03	0.04	0.01	A	2718	600	0.00	-0.02	0.00	A	45	600	0.18	0.31	0.06	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.67: DIF Statistics based on FRL Students for Items in Reading on Stage V

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	4206	861	2.04	-0.27	-0.05	A
16	MC	4206	861	0.74	-0.21	-0.03	A
17	MC	4206	861	0.22	0.11	0.01	A
18	MC	4206	861	2.89	-0.31	-0.06	A
19	MC	4206	861	17.88	-0.91	-0.14	A
20	MC	4206	861	0.31	-0.20	-0.02	A
21	MC	4206	861	1.64	0.24	0.05	A
22	MC	4206	861	1.97	0.26	0.06	A
23	MC	4206	861	0.65	0.19	0.02	A
24	MC	4206	861	3.04	0.33	0.07	A
25	MC	4206	861	0.15	0.07	0.02	A
26	MC	4206	861	0.01	-0.02	0.00	A
27	MC	4206	861	0.60	0.14	0.04	A
28	MC	4206	861	0.01	0.02	0.00	A
29	MC	4206	861	0.02	-0.03	-0.01	A
30	MC	4206	861	2.55	0.30	0.06	A
31	MC	4206	861	0.40	-0.12	-0.02	A
32	MC	4206	861	4.45	-0.48	-0.08	A
33	MC	4206	861	1.17	-0.23	-0.03	A
34	MC	4206	861	0.28	-0.12	-0.02	A
35	MC	4206	861	0.11	0.06	0.02	A
36	MC	4206	861	4.94	-0.45	-0.07	A
37	MC	4206	861	2.06	0.28	0.06	A
38	MC	4206	861	0.64	-0.16	-0.02	A
39	MC	4206	861	0.99	-0.19	-0.02	A
40	MC	4206	861	1.27	-0.21	-0.04	A
41	MC	4206	861	0.09	-0.06	-0.01	A
42	MC	4206	861	3.64	-0.37	-0.05	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.68: DIF Statistics based on ELL Students for Items in Writing on Stage V

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
43	MC	2245	3009	16.17	0.88	0.11	A	3624	1641	1.40	-0.28	-0.03	A	453	4812	9.59	1.52	0.13	C>	300	4965	1.68	-0.51	-0.08	A
44	MC	2245	3009	2.95	0.24	0.05	A	3624	1641	2.28	-0.22	-0.04	A	453	4812	9.01	-0.75	-0.15	A	300	4965	2.23	-0.45	-0.08	A
45	MC	2245	3009	17.64	0.80	0.11	A	3624	1641	0.33	-0.12	-0.01	A	453	4812	1.65	-0.44	-0.06	A	300	4965	16.80	-1.37	-0.25	B<
46	MC	2245	3009	0.15	0.06	0.01	A	3624	1641	4.20	-0.36	-0.06	A	453	4812	0.32	0.16	0.03	A	300	4965	2.35	0.53	0.09	A
47	MC	2245	3009	13.24	-0.69	-0.10	A	3624	1641	4.76	-0.42	-0.07	A	453	4812	0.05	-0.08	-0.01	A	300	4965	2.21	0.57	0.08	A
48	MC	2245	3009	3.44	-0.31	-0.05	A	3624	1641	22.66	-0.87	-0.13	A	453	4812	35.86	2.20	0.25	C>	300	4965	18.34	1.62	0.25	C>
49	MC	2245	3009	0.11	0.05	0.01	A	3624	1641	1.71	0.20	0.04	A	453	4812	11.76	-0.92	-0.17	A	300	4965	1.04	-0.33	-0.06	A
50	MC	2245	3009	5.42	-0.33	-0.06	A	3624	1641	15.42	-0.59	-0.11	A	453	4812	0.12	-0.09	-0.02	A	300	4965	0.01	-0.03	0.00	A
51	MC	2245	3009	0.17	-0.06	-0.01	A	3624	1641	23.41	-0.70	-0.14	A	453	4812	0.77	-0.21	-0.04	A	300	4965	0.79	-0.25	-0.05	A
52	MC	2245	3009	0.21	-0.07	-0.01	A	3624	1641	3.67	-0.31	-0.06	A	453	4812	0.37	0.16	0.03	A	300	4965	0.00	0.01	0.00	A
53	MC	2245	3009	6.54	-0.38	-0.07	A	3624	1641	27.16	-0.83	-0.14	A	453	4812	35.56	1.75	0.27	C>	300	4965	2.39	0.48	0.09	A
54	MC	2245	3009	0.24	-0.07	-0.01	A	3624	1641	1.07	-0.15	-0.03	A	453	4812	12.44	0.85	0.17	A	300	4965	0.00	0.02	0.00	A
55	MC	2245	3009	0.29	0.08	0.01	A	3624	1641	5.25	0.37	0.06	A	453	4812	0.59	0.21	0.03	A	300	4965	0.13	0.11	0.02	A
56	MC	2245	3009	3.52	0.26	0.05	A	3624	1641	17.86	0.62	0.12	A	453	4812	4.40	-0.50	-0.10	A	300	4965	7.57	-0.82	-0.16	A
57	MC	2245	3009	1.12	-0.15	-0.03	A	3624	1641	0.34	0.09	0.02	A	453	4812	38.38	1.87	0.28	C>	300	4965	0.27	-0.16	-0.03	A
58	MC	2245	3009	0.90	-0.15	-0.02	A	3624	1641	21.43	0.82	0.13	A	453	4812	1.12	0.28	0.05	A	300	4965	4.89	0.76	0.12	A
59	MC	2245	3009	35.03	0.93	0.15	A	3624	1641	11.43	-0.56	-0.09	A	453	4812	3.70	-0.51	-0.08	A	300	4965	33.18	-1.70	-0.33	C<
60	MC	2245	3009	0.66	0.11	0.02	A	3624	1641	0.31	0.08	0.02	A	453	4812	5.83	0.58	0.12	A	300	4965	1.83	0.39	0.08	A
61	ER	2245	3009	44.75		0.13	A	3624	1641	46.94		0.04	A	453	4812	42.92		-0.20	B<	300	4965	11.89		-0.08	A
62	ER	2245	3009	37.35		0.12	A	3624	1641	86.75		-0.09	A	453	4812	6.65		-0.02	A	300	4965	21.55		-0.18	B<

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.69: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage V

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
43	MC	1947	3318	0.31	-0.12	-0.01	A	1947	600	6.12	-0.97	-0.12	A	2718	600	5.89	-0.92	-0.11	A	45	600	0.03	0.26	0.03	A
44	MC	1947	3318	0.00	-0.01	0.00	A	1947	600	1.27	-0.26	-0.06	A	2718	600	2.09	-0.32	-0.06	A	45	600	0.35	-0.46	-0.09	A
45	MC	1947	3318	23.22	0.94	0.14	A	1947	600	6.85	0.83	0.13	A	2718	600	0.22	-0.14	-0.02	A	45	600	0.12	0.40	0.05	A
46	MC	1947	3318	7.07	-0.46	-0.08	A	1947	600	0.46	-0.19	-0.04	A	2718	600	1.48	0.33	0.05	A	45	600	0.04	-0.21	-0.03	A
47	MC	1947	3318	4.31	-0.40	-0.06	A	1947	600	4.13	-0.61	-0.09	A	2718	600	1.08	-0.30	-0.05	A	45	600	0.11	-0.34	-0.06	A
48	MC	1947	3318	35.55	-0.99	-0.15	A	1947	600	7.82	-0.78	-0.11	A	2718	600	1.19	0.30	0.04	A	45	600	3.52	2.08	0.25	A
49	MC	1947	3318	3.18	0.26	0.05	A	1947	600	1.65	0.31	0.06	A	2718	600	0.07	0.06	0.01	A	45	600	2.01	-1.20	-0.22	A
50	MC	1947	3318	0.73	0.12	0.02	A	1947	600	0.53	0.17	0.03	A	2718	600	0.10	0.07	0.01	A	45	600	0.54	0.57	0.11	A
51	MC	1947	3318	2.25	0.21	0.04	A	1947	600	2.34	0.34	0.06	A	2718	600	0.50	0.15	0.03	A	45	600	0.02	-0.10	-0.02	A
52	MC	1947	3318	0.44	-0.10	-0.02	A	1947	600	0.13	-0.09	-0.02	A	2718	600	0.00	0.00	0.00	A	45	600	0.03	0.13	0.03	A
53	MC	1947	3318	47.68	-1.04	-0.18	B<	1947	600	11.37	-0.83	-0.14	A	2718	600	1.30	0.28	0.05	A	45	600	2.51	1.52	0.22	A
54	MC	1947	3318	0.03	-0.03	-0.01	A	1947	600	0.30	-0.13	-0.03	A	2718	600	0.28	-0.12	-0.03	A	45	600	0.45	0.52	0.10	A
55	MC	1947	3318	10.07	0.49	0.08	A	1947	600	0.83	0.22	0.03	A	2718	600	1.21	-0.26	-0.05	A	45	600	1.32	1.03	0.16	A
56	MC	1947	3318	23.50	0.68	0.13	A	1947	600	12.56	0.81	0.15	A	2718	600	0.54	0.16	0.03	A	45	600	4.08	-1.70	-0.31	A
57	MC	1947	3318	1.47	-0.18	-0.03	A	1947	600	4.84	-0.55	-0.08	A	2718	600	2.93	-0.42	-0.07	A	45	600	0.00	-0.02	0.00	A
58	MC	1947	3318	6.24	0.41	0.06	A	1947	600	0.00	-0.01	-0.01	A	2718	600	4.67	-0.56	-0.09	A	45	600	4.73	-2.16	-0.32	A
59	MC	1947	3318	2.13	0.23	0.04	A	1947	600	2.54	0.42	0.06	A	2718	600	0.62	0.20	0.03	A	45	600	0.18	0.35	0.05	A
60	MC	1947	3318	10.31	-0.44	-0.08	A	1947	600	23.69	-1.10	-0.21	B<	2718	600	13.93	-0.82	-0.16	A	45	600	0.01	-0.08	-0.02	A
61	ER	1947	3318	21.22		0.07	A	1947	600	6.80		0.05	A	2718	600	6.30		-0.03	A	45	600	3.53		0.14	A
62	ER	1947	3318	20.95		0.01	A	1947	600	23.57		-0.04	A	2718	600	14.95		-0.05	A	45	600	9.00		0.20	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.70: DIF Statistics based on FRL Students for Items in Writing on Stage V

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
43	MC	4206	861	4.20	-0.65	-0.08	A
44	MC	4206	861	2.37	0.29	0.05	A
45	MC	4206	861	0.05	-0.06	-0.01	A
46	MC	4206	861	2.79	-0.36	-0.06	A
47	MC	4206	861	3.23	-0.42	-0.06	A
48	MC	4206	861	2.15	0.34	0.06	A
49	MC	4206	861	0.02	0.03	0.01	A
50	MC	4206	861	2.30	0.29	0.05	A
51	MC	4206	861	2.61	-0.29	-0.08	A
52	MC	4206	861	0.00	0.01	0.02	A
53	MC	4206	861	1.57	-0.26	-0.04	A
54	MC	4206	861	0.20	0.08	0.00	A
55	MC	4206	861	2.92	-0.36	-0.06	A
56	MC	4206	861	1.02	0.19	0.03	A
57	MC	4206	861	0.01	0.01	0.02	A
58	MC	4206	861	8.28	-0.60	-0.09	A
59	MC	4206	861	0.28	-0.11	-0.02	A
60	MC	4206	861	1.09	-0.19	-0.03	A
61	ER	4206	861	4.59		0.02	A
62	ER	4206	861	4.16		0.04	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.71: DIF Statistics based on ELL Students for Items in Listening on Stage V

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	2245	3009	0.60	-0.16	-0.02	A	3624	1641	1.04	0.23	0.03	A	453	4812	0.00	0.01	0.00	A	300	4965	4.62	-0.80	-0.13	A
2	MC	2245	3009	14.39	-0.57	-0.10	A	3624	1641	0.01	0.01	0.00	A	453	4812	6.89	0.76	0.12	A	300	4965	12.77	1.21	0.21	B>
3	MC	2245	3009	6.47	-0.39	-0.07	A	3624	1641	1.83	-0.22	-0.04	A	453	4812	0.17	0.11	0.02	A	300	4965	1.02	0.31	0.06	A
4	MC	2245	3009	0.71	-0.11	-0.02	A	3624	1641	0.62	0.11	0.02	A	453	4812	0.02	0.03	0.01	A	300	4965	2.02	0.41	0.08	A
5	MC	2245	3009	5.56	-0.35	-0.06	A	3624	1641	4.99	-0.36	-0.06	A	453	4812	12.62	1.02	0.16	B>	300	4965	0.01	-0.03	0.00	A
6	MC	2245	3009	4.81	-0.31	-0.06	A	3624	1641	3.68	-0.29	-0.05	A	453	4812	9.68	0.75	0.15	A	300	4965	0.02	-0.04	-0.01	A
7	MC	2245	3009	3.46	0.27	0.05	A	3624	1641	2.60	0.25	0.05	A	453	4812	0.15	0.10	0.02	A	300	4965	0.45	-0.20	-0.04	A
8	MC	2245	3009	55.20	-1.11	-0.18	B<	3624	1641	0.32	0.09	0.02	A	453	4812	2.87	0.47	0.08	A	300	4965	20.39	1.37	0.25	B>
9	MC	2245	3009	106.14	-1.45	-0.27	B<	3624	1641	0.37	0.09	0.02	A	453	4812	41.93	1.72	0.30	C>	300	4965	16.16	1.22	0.23	B>
10	MC	2245	3009	9.62	-0.42	-0.09	A	3624	1641	5.85	0.35	0.07	A	453	4812	0.26	0.12	0.03	A	300	4965	13.85	1.08	0.21	B>
11	MC	2245	3009	1.06	-0.14	-0.03	A	3624	1641	8.34	-0.41	-0.09	A	453	4812	0.51	-0.17	-0.04	A	300	4965	0.22	-0.14	-0.03	A
12	MC	2245	3009	0.42	0.09	0.02	A	3624	1641	8.72	-0.42	-0.09	A	453	4812	2.60	-0.38	-0.08	A	300	4965	0.15	-0.11	-0.02	A
13	MC	2245	3009	0.72	0.12	0.02	A	3624	1641	10.71	0.50	0.09	A	453	4812	17.66	-1.07	-0.20	B<	300	4965	0.02	0.04	0.01	A
14	MC	2245	3009	8.69	-0.44	-0.07	A	3624	1641	0.06	0.04	0.01	A	453	4812	18.86	1.23	0.19	B>	300	4965	8.97	0.97	0.17	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.72: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage V

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	1947	3318	0.67	0.18	0.02	A	1947	600	0.03	-0.07	-0.01	A	2718	600	0.71	-0.30	-0.03	A	45	600	0.41	-0.72	-0.09	A
2	MC	1947	3318	4.35	-0.32	-0.06	A	1947	600	1.38	0.29	0.05	A	2718	600	10.58	0.77	0.14	A	45	600	1.96	1.26	0.21	A
3	MC	1947	3318	1.07	-0.16	-0.03	A	1947	600	0.00	0.02	0.00	A	2718	600	0.66	0.20	0.04	A	45	600	1.53	1.14	0.18	A
4	MC	1947	3318	2.19	-0.20	-0.04	A	1947	600	0.00	0.00	0.00	A	2718	600	1.41	0.26	0.05	A	45	600	1.22	0.81	0.17	A
5	MC	1947	3318	9.86	-0.48	-0.08	A	1947	600	4.60	-0.55	-0.10	A	2718	600	0.11	-0.08	-0.02	A	45	600	0.11	-0.27	-0.05	A
6	MC	1947	3318	2.33	-0.22	-0.04	A	1947	600	0.08	-0.07	-0.01	A	2718	600	0.90	0.22	0.04	A	45	600	4.51	1.59	0.32	A
7	MC	1947	3318	4.22	0.30	0.06	A	1947	600	1.92	0.33	0.07	A	2718	600	0.12	0.08	0.01	A	45	600	0.04	0.16	0.03	A
8	MC	1947	3318	13.48	-0.56	-0.09	A	1947	600	1.93	-0.35	-0.05	A	2718	600	1.29	0.28	0.05	A	45	600	0.26	-0.46	-0.06	A
9	MC	1947	3318	24.27	-0.70	-0.13	A	1947	600	3.07	-0.41	-0.06	A	2718	600	3.14	0.41	0.08	A	45	600	6.52	2.40	0.37	A
10	MC	1947	3318	1.23	-0.16	-0.03	A	1947	600	0.65	-0.19	-0.03	A	2718	600	0.01	-0.02	-0.01	A	45	600	0.27	0.41	0.08	A
11	MC	1947	3318	0.83	-0.13	-0.02	A	1947	600	0.72	-0.19	-0.04	A	2718	600	0.06	-0.05	-0.01	A	45	600	0.23	0.35	0.07	A
12	MC	1947	3318	4.21	0.28	0.06	A	1947	600	3.01	0.39	0.07	A	2718	600	0.29	0.12	0.03	A	45	600	0.06	0.19	0.04	A
13	MC	1947	3318	0.14	0.06	0.01	A	1947	600	0.83	0.22	0.04	A	2718	600	0.58	0.18	0.04	A	45	600	4.06	-2.00	-0.29	A
14	MC	1947	3318	17.82	-0.63	-0.11	A	1947	600	2.18	-0.37	-0.06	A	2718	600	2.42	0.38	0.06	A	45	600	3.42	1.84	0.25	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.73: DIF Statistics based on FRL Students for Items in Listening on Stage V

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	4206	861	0.02	-0.04	-0.02	A
2	MC	4206	861	5.00	-0.47	-0.08	A
3	MC	4206	861	1.40	-0.25	-0.04	A
4	MC	4206	861	0.77	0.16	0.03	A
5	MC	4206	861	0.88	-0.19	-0.04	A
6	MC	4206	861	0.74	0.16	0.03	A
7	MC	4206	861	0.32	0.11	0.00	A
8	MC	4206	861	9.23	-0.61	-0.10	A
9	MC	4206	861	9.42	-0.59	-0.10	A
10	MC	4206	861	0.07	0.05	0.02	A
11	MC	4206	861	0.00	0.01	0.00	A
12	MC	4206	861	1.46	-0.21	-0.05	A
13	MC	4206	861	0.42	-0.13	-0.01	A
14	MC	4206	861	3.54	-0.39	-0.06	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.74: DIF Statistics based on ELL Students for Items in Speaking on Stage V

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	2245	3009	25.62		-0.08	A	3624	1641	2.07		0.03	A	453	4812	17.27		0.15	A	300	4965	45.11		0.34	C>
64	SA4	2245	3009	12.41		-0.04	A	3624	1641	10.00		0.03	A	453	4812	8.07		-0.04	A	300	4965	14.10		0.02	A
65	SA4	2245	3009	29.04		-0.06	A	3624	1641	16.64		0.07	A	453	4812	36.55		0.23	B>	300	4965	13.02		0.18	A
66	SA4	2245	3009	117.64		-0.25	B<	3624	1641	27.04		0.09	A	453	4812	30.44		0.17	A	300	4965	17.00		0.15	A
67	SA4	2245	3009	11.40		0.02	A	3624	1641	11.12		0.05	A	453	4812	2.48		-0.03	A	300	4965	10.52		0.14	A
68	SA4	2245	3009	34.94		-0.05	A	3624	1641	34.70		-0.15	A	453	4812	18.46		0.10	A	300	4965	57.11		0.38	C>
69	SA4	2245	3009	14.90		0.05	A	3624	1641	10.59		0.04	A	453	4812	46.97		-0.25	B<	300	4965	13.52		0.02	A
70	SA4	2245	3009	19.40		-0.06	A	3624	1641	39.31		-0.13	A	453	4812	79.78		0.31	C>	300	4965	69.34		0.36	C>

Note: SA4=4 Point Short Answer, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.75: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage V

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	1947	3318	21.28		-0.11	A	1947	600	19.86		-0.15	A	2718	600	5.05		-0.06	A	45	600	6.05		-0.11	A
64	SA4	1947	3318	15.99		0.02	A	1947	600	14.80		0.00	A	2718	600	14.16		-0.02	A	45	600	1.45		0.02	A
65	SA4	1947	3318	11.99		-0.07	A	1947	600	11.85		-0.11	A	2718	600	4.92		-0.06	A	45	600	4.82		0.12	A
66	SA4	1947	3318	18.32		-0.01	A	1947	600	23.31		-0.08	A	2718	600	19.11		-0.11	A	45	600	0.62		-0.09	A
67	SA4	1947	3318	1.06		0.00	A	1947	600	5.00		0.00	A	2718	600	7.40		-0.01	A	45	600	6.92		-0.09	A
68	SA4	1947	3318	121.18		-0.23	B<	1947	600	38.28		-0.15	A	2718	600	5.93		0.08	A	45	600	5.74		0.19	A
69	SA4	1947	3318	28.60		0.07	A	1947	600	3.58		0.02	A	2718	600	5.58		-0.06	A	45	600	4.38		-0.25	A
70	SA4	1947	3318	158.96		-0.27	C<	1947	600	76.77		-0.27	C<	2718	600	11.29		-0.02	A	45	600	3.42		0.20	A

Note: SA4=4 Point Short Answer, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.76: DIF Statistics based on FRL Students for Items in Speaking on Stage V

		Focal Group: FRL (ELL) Reference Group: Non-FRL (ELL)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	4206	861	3.67		0.04	A
64	SA4	4206	861	3.56		0.01	A
65	SA4	4206	861	1.02		-0.02	A
66	SA4	4206	861	4.05		0.01	A
67	SA4	4206	861	9.68		0.09	A
68	SA4	4206	861	4.07		0.00	A
69	SA4	4206	861	3.30		0.07	A
70	SA4	4206	861	8.84		0.01	A

Note: SA4=4 Point Short Answer, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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In addition to the Mantel-Haenszel and SMD methods, both uniform and non-uniform DIF were investigated by a logistic regression method. The following logistic regression model was used to investigate non-uniform DIF for dichotomously score items (Paek, 2012; Swaminathan & Rogers, 1990),

$$ln\left[\frac{p_i}{(1-p_i)}\right] = \alpha^{NUni} + \beta_0^{NUni}x + \beta_1^{NUni}G + \beta_2^{NUni}xG,$$

where p is a probability of answering item *i* correctly, $\alpha^{NUni}$is an intercept, β_0^{NUni}captures an impact, x is the total combined raw score, $\beta_1^{NUni}$is a main effect on group, *G*, and $\beta_2^{NUni}$is an interaction effect between the total combined raw score and group to capture non-uniform DIF. If the Wald chi-square statistic associated with $\beta_2^{NUni}$is statistically significant, the item is flagged as a non-uniform DIF item. An alpha level of 0.01 is used for the significance test as used for the Mantel-Haenszel and SMD methods. For the investigation of uniform DIF, then the interaction term is dropped from the model such as

$$ln\left[\frac{p_i}{(1-p_i)}\right] = \alpha^{Uni} + \beta_0^{Uni}x + \beta_1^{Uni}G$$

to determine if uniform DIF exists. If the Wald chi-square statistic associated with the main effect, β_1^{Uni} is statistically significant at 0.01, the item is considered to manifest uniform DIF.

For polytomously scored items, ordinal logistic regression (Crane, Gibbons, Jolley, & van Bell, 2006; Zumbo, 1999) was implemented to study uniform and non-uniform DIF. In ordinal logistic regression, the cumulative probability for getting a response category of *j* or below is modeled as

$$ln\left[\frac{P(Y\leq j)}{P(Y>j)}\right] = \alpha_j^{NUni} + \beta_0^{NUni}x + \beta_1^{NUni}G + \beta_2^{NUni}xG.$$

Similar to what was implemented for dichotomously scored items, non-uniform DIF was investigated based on the model above. If the Wald statistic associated with the interaction term,β_2^{NUni}, is statistically significant at 0.01 then, the item is flagged as a non-uniform DIF item. Uniform DIF was also investigated based on the reduced model by dropping the interaction term from the ordinal logistic regression above such as

$$ln\left[\frac{P(Y\leq j)}{P(Y>j)}\right] = \alpha_j^{NUni} + \beta_0^{NUni}x + \beta_1^{NUni}G.$$

If the Wald chi-square statistic associated with the main effect, β_1^{NUni}, is statistically significant, it is concluded that the item manifests uniform DIF. The results of the logistic regression DIF analysis are summarized in Table 10.77 through Table 10.260.

Note that one should expect more items to be flagged by the logistic regression DIF analysis method than the Mantel-Haenszel and the SMD methods. The flagging of items by the logistic regression method is based only on the significance test while both the significance test and effect size are considered for flagging the items with Mantel-Haenszel and SMD methods. Monahan, McHorney, Stump, and Perkins (2007) developed a DIF flagging criteria for a binary

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logistic regression method, which is equivalent to the DIF criteria that Educational Testing Service developed for the Mantel-Haenszel method. This method, however, can only be applied to uniform DIF in the binary logistic regression. Thus, it is decided that only the significance test would be used to flag the items for both uniform and non-uniform DIF.

Table 10.77: Logistic Regression DIF Results on Stage I Reading Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	5190	5532	0.08	2.10	0.147	0.22	1.20	0.273	0.00	0.54	0.460	
16	MC	5190	5532	-0.16	9.82	0.002	-0.06	0.11	0.736	0.00	0.28	0.598	Uniform<
17	MC	5190	5532	0.10	3.29	0.070	0.14	0.38	0.536	0.00	0.02	0.876	
18	MC	5190	5532	-0.06	1.20	0.274	-0.12	0.25	0.615	0.00	0.07	0.795	
19	MC	5190	5532	0.05	0.91	0.340	-0.16	0.52	0.469	0.01	1.00	0.318	
20	MC	5190	5532	-0.05	1.53	0.216	-0.07	0.19	0.659	0.00	0.02	0.891	
21	MC	5190	5532	-0.03	0.37	0.541	0.05	0.07	0.789	0.00	0.19	0.664	
22	MC	5190	5532	-0.10	4.61	0.032	-0.68	12.68	0.000	0.02	9.94	0.002	NonUniform
23	MC	5190	5532	-0.25	33.43	0.000	-0.98	27.54	0.000	0.02	16.10	0.000	NonUniform
24	MC	5190	5532	-0.22	28.68	0.000	-0.79	20.00	0.000	0.01	11.12	0.001	NonUniform
25	MC	5190	5532	0.07	2.40	0.122	0.14	0.59	0.441	0.00	0.18	0.668	
26	MC	5190	5532	-0.05	1.36	0.243	-0.11	0.48	0.489	0.00	0.17	0.677	
27	MC	5190	5532	0.06	2.24	0.134	0.40	5.87	0.015	-0.01	4.48	0.034	
28	MC	5190	5532	-0.08	1.89	0.169	0.06	0.09	0.767	0.00	0.48	0.487	
29	MC	5190	5532	-0.08	3.56	0.059	0.37	4.90	0.027	-0.01	7.58	0.006	NonUniform
30	MC	5190	5532	-0.07	2.26	0.132	-0.17	0.84	0.360	0.00	0.31	0.580	
31	MC	5190	5532	-0.23	25.92	0.000	-0.24	1.55	0.214	0.00	0.00	0.946	Uniform<
32	MC	5190	5532	0.11	6.68	0.010	0.22	1.64	0.201	0.00	0.46	0.495	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.78: Logistic Regression DIF Results on Stage I Reading Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	9549	1184	-0.14	2.78	0.096	-0.34	1.35	0.245	0.01	0.50	0.479	
16	MC	9549	1184	-0.15	3.35	0.067	0.05	0.03	0.863	-0.01	0.54	0.461	
17	MC	9549	1184	0.23	6.68	0.010	0.07	0.04	0.832	0.00	0.26	0.610	Uniform>
18	MC	9549	1184	-0.01	0.02	0.902	0.06	0.03	0.873	0.00	0.04	0.846	
19	MC	9549	1184	-0.28	8.90	0.003	-0.59	3.12	0.077	0.01	0.92	0.337	Uniform<
20	MC	9549	1184	-0.38	34.84	0.000	0.49	4.19	0.041	-0.02	13.92	0.000	NonUniform
21	MC	9549	1184	-0.18	6.49	0.011	0.02	0.00	0.946	-0.01	0.61	0.436	
22	MC	9549	1184	0.04	0.36	0.546	0.11	0.14	0.704	0.00	0.06	0.812	
23	MC	9549	1184	0.08	1.33	0.248	0.97	10.59	0.001	-0.02	9.43	0.002	NonUniform
24	MC	9549	1184	-0.13	4.28	0.039	0.49	3.19	0.074	-0.02	5.52	0.019	
25	MC	9549	1184	-0.11	2.56	0.110	0.24	0.65	0.420	-0.01	1.49	0.222	
26	MC	9549	1184	0.07	1.32	0.251	0.41	2.68	0.102	-0.01	1.92	0.165	
27	MC	9549	1184	0.08	1.44	0.230	-0.14	0.34	0.560	0.01	0.88	0.349	
28	MC	9549	1184	0.00	0.00	0.976	-0.25	0.71	0.401	0.01	0.76	0.383	
29	MC	9549	1184	-0.12	3.38	0.066	0.24	0.86	0.353	-0.01	2.10	0.148	
30	MC	9549	1184	0.04	0.28	0.600	0.57	3.95	0.047	-0.01	3.65	0.056	
31	MC	9549	1184	0.32	21.42	0.000	0.33	1.27	0.260	0.00	0.00	0.983	Uniform>
32	MC	9549	1184	0.03	0.25	0.619	-0.35	1.91	0.167	0.01	2.44	0.118	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.79: Logistic Regression DIF Results on Stage I Reading Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	535	10198	0.02	0.04	0.847	-0.52	1.29	0.255	0.02	1.49	0.222	
16	MC	535	10198	0.00	0.00	0.974	0.69	2.57	0.109	-0.02	2.81	0.094	
17	MC	535	10198	-0.29	5.46	0.019	-0.49	0.98	0.322	0.01	0.18	0.674	
18	MC	535	10198	-0.25	4.71	0.030	0.42	0.77	0.382	-0.02	2.10	0.148	
19	MC	535	10198	-0.51	18.63	0.000	-0.27	0.34	0.562	-0.01	0.27	0.604	Uniform<
20	MC	535	10198	0.02	0.06	0.811	-0.53	2.11	0.146	0.01	2.43	0.119	
21	MC	535	10198	-0.13	1.78	0.182	0.16	0.17	0.678	-0.01	0.61	0.436	
22	MC	535	10198	-0.03	0.09	0.759	1.15	8.72	0.003	-0.03	9.88	0.002	NonUniform
23	MC	535	10198	0.15	2.28	0.131	0.62	2.45	0.117	-0.01	1.50	0.220	
24	MC	535	10198	0.11	1.33	0.249	0.50	1.73	0.189	-0.01	1.13	0.287	
25	MC	535	10198	0.20	4.26	0.039	0.30	0.52	0.470	0.00	0.06	0.812	
26	MC	535	10198	-0.03	0.08	0.782	-0.18	0.22	0.636	0.00	0.18	0.676	
27	MC	535	10198	-0.17	3.25	0.072	0.10	0.08	0.780	-0.01	0.57	0.450	
28	MC	535	10198	0.19	2.18	0.139	0.63	1.79	0.181	-0.01	0.94	0.333	
29	MC	535	10198	0.24	6.46	0.011	-0.01	0.00	0.989	0.01	0.44	0.508	
30	MC	535	10198	0.04	0.14	0.713	-0.24	0.32	0.569	0.01	0.47	0.495	
31	MC	535	10198	-0.10	1.02	0.313	0.28	0.44	0.509	-0.01	0.87	0.352	
32	MC	535	10198	-0.13	1.87	0.171	0.48	1.65	0.198	-0.02	2.81	0.094	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.80: Logistic Regression DIF Results on Stage I Reading Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	726	10007	0.00	0.00	0.989	0.56	2.78	0.095	-0.02	3.09	0.079	
16	MC	726	10007	0.29	8.24	0.004	0.69	3.84	0.050	-0.01	1.41	0.235	Uniform>
17	MC	726	10007	-0.19	3.56	0.059	-0.41	1.10	0.295	0.01	0.34	0.557	
18	MC	726	10007	-0.13	1.91	0.167	0.05	0.01	0.903	-0.01	0.21	0.645	
19	MC	726	10007	0.36	11.39	0.001	-0.07	0.02	0.874	0.01	1.11	0.293	Uniform>
20	MC	726	10007	0.27	11.62	0.001	0.40	2.00	0.158	0.00	0.24	0.626	Uniform>
21	MC	726	10007	-0.23	7.83	0.005	-0.12	0.14	0.704	0.00	0.14	0.710	Uniform<
22	MC	726	10007	-0.10	1.31	0.252	0.79	6.10	0.014	-0.03	8.26	0.004	NonUniform
23	MC	726	10007	0.02	0.09	0.769	0.55	2.91	0.088	-0.01	2.85	0.092	
24	MC	726	10007	-0.15	3.13	0.077	0.36	1.27	0.261	-0.01	2.68	0.102	
25	MC	726	10007	0.11	1.64	0.200	-0.36	0.97	0.324	0.01	1.76	0.185	
26	MC	726	10007	0.18	5.12	0.024	0.06	0.03	0.854	0.00	0.19	0.660	
27	MC	726	10007	0.04	0.29	0.588	0.16	0.27	0.604	0.00	0.15	0.699	
28	MC	726	10007	0.13	1.64	0.201	1.11	10.29	0.001	-0.03	9.06	0.003	NonUniform
29	MC	726	10007	0.17	4.64	0.031	0.52	3.02	0.082	-0.01	1.43	0.231	
30	MC	726	10007	-0.10	1.36	0.244	-0.35	1.06	0.303	0.01	0.57	0.452	
31	MC	726	10007	0.05	0.33	0.565	0.14	0.17	0.683	0.00	0.07	0.784	
32	MC	726	10007	-0.03	0.10	0.754	-0.32	1.01	0.315	0.01	0.91	0.339	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.81: Logistic Regression DIF Results on Stage I Reading Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	7062	3671	-0.03	0.31	0.578	0.15	0.59	0.441	-0.01	0.92	0.338	
16	MC	7062	3671	-0.13	5.69	0.017	-0.06	0.09	0.761	0.00	0.14	0.707	
17	MC	7062	3671	0.02	0.08	0.783	-0.02	0.00	0.946	0.00	0.02	0.884	
18	MC	7062	3671	0.07	1.55	0.213	0.18	0.58	0.446	0.00	0.24	0.626	
19	MC	7062	3671	0.25	18.71	0.000	0.20	0.77	0.380	0.00	0.06	0.807	Uniform>
20	MC	7062	3671	-0.26	38.95	0.000	-0.13	0.65	0.421	0.00	0.71	0.400	Uniform<
21	MC	7062	3671	-0.14	8.88	0.003	-0.03	0.03	0.870	0.00	0.39	0.532	Uniform<
22	MC	7062	3671	-0.01	0.07	0.791	-0.08	0.15	0.695	0.00	0.11	0.735	
23	MC	7062	3671	0.06	1.86	0.173	0.28	2.22	0.136	-0.01	1.44	0.231	
24	MC	7062	3671	-0.15	11.84	0.001	0.03	0.03	0.871	0.00	1.03	0.311	Uniform<
25	MC	7062	3671	-0.06	2.07	0.150	-0.48	6.40	0.011	0.01	5.08	0.024	
26	MC	7062	3671	-0.03	0.52	0.473	-0.27	2.60	0.107	0.01	2.18	0.140	
27	MC	7062	3671	-0.05	1.26	0.261	-0.61	13.13	0.000	0.01	11.93	0.001	NonUniform
28	MC	7062	3671	-0.11	3.83	0.050	0.12	0.32	0.571	-0.01	1.34	0.248	
29	MC	7062	3671	-0.18	17.88	0.000	0.23	1.74	0.188	-0.01	6.01	0.014	Uniform<
30	MC	7062	3671	-0.01	0.06	0.804	-0.11	0.34	0.558	0.00	0.29	0.589	
31	MC	7062	3671	-0.01	0.08	0.773	-0.39	3.94	0.047	0.01	3.89	0.049	
32	MC	7062	3671	-0.04	0.71	0.399	-0.23	1.75	0.186	0.00	1.32	0.251	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.82: Logistic Regression DIF Results on Stage I Reading Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	7062	806	0.06	0.43	0.511	0.73	3.48	0.062	-0.02	3.05	0.081	
16	MC	7062	806	-0.18	3.34	0.068	0.23	0.39	0.534	-0.01	1.29	0.257	
17	MC	7062	806	-0.14	1.58	0.209	0.04	0.01	0.920	-0.01	0.18	0.671	
18	MC	7062	806	0.22	5.22	0.022	0.47	1.13	0.289	-0.01	0.34	0.560	
19	MC	7062	806	0.35	11.70	0.001	1.16	6.45	0.011	-0.02	3.30	0.069	Uniform>
20	MC	7062	806	-0.19	6.19	0.013	-0.33	1.17	0.279	0.00	0.23	0.635	
21	MC	7062	806	0.07	0.64	0.423	0.23	0.47	0.495	0.00	0.25	0.615	
22	MC	7062	806	0.03	0.10	0.755	-0.14	0.16	0.691	0.00	0.23	0.629	
23	MC	7062	806	0.11	1.92	0.166	-0.21	0.37	0.546	0.01	0.93	0.336	
24	MC	7062	806	-0.12	2.38	0.123	-0.23	0.47	0.491	0.00	0.11	0.738	
25	MC	7062	806	-0.03	0.14	0.708	-0.32	0.82	0.366	0.01	0.71	0.401	
26	MC	7062	806	-0.04	0.25	0.616	-0.38	1.47	0.225	0.01	1.26	0.261	
27	MC	7062	806	-0.11	1.93	0.165	-0.32	1.01	0.315	0.01	0.47	0.495	
28	MC	7062	806	-0.13	1.56	0.211	-0.30	0.57	0.449	0.00	0.20	0.659	
29	MC	7062	806	-0.27	12.23	0.000	0.04	0.01	0.905	-0.01	0.99	0.319	Uniform<
30	MC	7062	806	0.05	0.30	0.585	-0.23	0.44	0.506	0.01	0.69	0.407	
31	MC	7062	806	-0.25	8.15	0.004	-0.23	0.38	0.539	0.00	0.00	0.960	Uniform<
32	MC	7062	806	-0.18	5.20	0.023	-0.06	0.03	0.864	0.00	0.15	0.702	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.83: Logistic Regression DIF Results on Stage I Reading Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2865	806	0.12	1.41	0.235	0.71	2.99	0.084	-0.02	2.16	0.142	
16	MC	2865	806	-0.07	0.41	0.523	0.35	0.79	0.374	-0.01	1.20	0.273	
17	MC	2865	806	-0.20	2.83	0.092	0.07	0.02	0.887	-0.01	0.34	0.558	
18	MC	2865	806	0.20	3.65	0.056	0.36	0.61	0.436	0.00	0.13	0.715	
19	MC	2865	806	0.12	1.28	0.258	1.17	6.12	0.013	-0.03	5.14	0.023	
20	MC	2865	806	0.09	1.16	0.282	-0.24	0.56	0.454	0.01	1.12	0.289	
21	MC	2865	806	0.26	8.89	0.003	0.33	0.87	0.352	0.00	0.04	0.846	Uniform>
22	MC	2865	806	0.05	0.31	0.576	-0.08	0.04	0.833	0.00	0.12	0.724	
23	MC	2865	806	0.06	0.49	0.484	-0.61	2.84	0.092	0.02	3.67	0.055	
24	MC	2865	806	0.03	0.13	0.720	-0.32	0.83	0.364	0.01	1.05	0.306	
25	MC	2865	806	0.05	0.35	0.553	0.20	0.30	0.586	0.00	0.17	0.676	
26	MC	2865	806	-0.01	0.01	0.936	-0.14	0.17	0.677	0.00	0.17	0.682	
27	MC	2865	806	-0.07	0.60	0.437	0.35	1.06	0.303	-0.01	1.60	0.206	
28	MC	2865	806	-0.03	0.05	0.820	-0.52	1.53	0.216	0.01	1.51	0.220	
29	MC	2865	806	-0.13	2.39	0.122	-0.24	0.51	0.477	0.00	0.11	0.736	
30	MC	2865	806	0.08	0.68	0.408	-0.15	0.16	0.685	0.01	0.41	0.523	
31	MC	2865	806	-0.28	9.71	0.002	0.16	0.17	0.680	-0.01	1.38	0.240	Uniform<
32	MC	2865	806	-0.18	4.43	0.035	0.19	0.31	0.575	-0.01	1.21	0.270	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.84: Logistic Regression DIF Results on Stage I Reading Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	35	806	0.34	0.55	0.458	0.14	0.01	0.942	0.01	0.01	0.910	
16	MC	35	806	-0.23	0.30	0.585	0.63	0.17	0.679	-0.03	0.36	0.550	
17	MC	35	806	-0.91	4.71	0.030	-1.18	0.41	0.519	0.01	0.02	0.880	
18	MC	35	806	-0.19	0.21	0.649	-0.56	0.08	0.777	0.01	0.04	0.850	
19	MC	35	806	1.06	3.88	0.049	1.96	0.82	0.365	-0.03	0.19	0.664	
20	MC	35	806	-0.02	0.00	0.945	-0.04	0.00	0.976	0.00	0.00	0.991	
21	MC	35	806	0.15	0.15	0.701	1.01	0.53	0.466	-0.02	0.43	0.513	
22	MC	35	806	0.76	3.49	0.062	3.02	4.50	0.034	-0.07	2.91	0.088	
23	MC	35	806	-0.54	2.09	0.148	-1.12	0.51	0.475	0.02	0.15	0.702	
24	MC	35	806	0.04	0.01	0.922	-0.74	0.25	0.619	0.02	0.29	0.590	
25	MC	35	806	-0.36	0.90	0.342	-2.48	1.65	0.199	0.06	1.27	0.260	
26	MC	35	806	0.28	0.57	0.452	-2.36	1.95	0.163	0.08	2.45	0.118	
27	MC	35	806	-0.72	4.00	0.046	-0.30	0.05	0.826	-0.01	0.10	0.748	
28	MC	35	806	0.37	0.52	0.471	-1.60	0.47	0.493	0.07	0.70	0.404	
29	MC	35	806	0.36	0.93	0.334	2.14	2.51	0.113	-0.05	1.95	0.163	
30	MC	35	806	-0.10	0.07	0.794	-1.87	1.10	0.294	0.05	1.01	0.316	
31	MC	35	806	-1.05	7.01	0.008	-3.32	2.42	0.120	0.06	1.19	0.275	Uniform<
32	MC	35	806	-0.59	2.57	0.109	0.43	0.10	0.756	-0.03	0.59	0.442	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.85: Logistic Regression DIF Results on Stage I Reading Items for the ELL/FEP Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	11356	10733	0.14	8.36	0.004	-0.79	16.11	0.000	0.02	23.37	0.000	NonUniform
16	MC	11356	10733	-0.07	3.02	0.082	-1.01	34.31	0.000	0.02	31.23	0.000	NonUniform
17	MC	11356	10733	0.18	10.74	0.001	0.25	1.24	0.266	0.00	0.11	0.746	Uniform>
18	MC	11356	10733	-0.21	21.70	0.000	-0.65	9.63	0.002	0.01	4.60	0.032	Uniform<
19	MC	11356	10733	-0.36	49.58	0.000	-1.22	32.36	0.000	0.02	17.20	0.000	NonUniform
20	MC	11356	10733	0.12	14.81	0.000	-1.60	127.92	0.000	0.04	155.19	0.000	NonUniform
21	MC	11356	10733	0.09	5.75	0.017	-0.91	32.08	0.000	0.02	40.42	0.000	NonUniform
22	MC	11356	10733	-0.05	1.66	0.197	-1.68	90.08	0.000	0.04	89.29	0.000	NonUniform
23	MC	11356	10733	0.06	2.43	0.119	-1.66	92.53	0.000	0.04	103.69	0.000	NonUniform
24	MC	11356	10733	0.02	0.23	0.628	-1.89	141.97	0.000	0.04	151.52	0.000	NonUniform
25	MC	11356	10733	-0.06	2.73	0.098	-0.57	12.39	0.000	0.01	10.57	0.001	NonUniform
26	MC	11356	10733	-0.16	25.74	0.000	-1.03	49.76	0.000	0.02	37.19	0.000	NonUniform
27	MC	11356	10733	-0.10	9.99	0.002	-1.52	99.78	0.000	0.03	91.20	0.000	NonUniform
28	MC	11356	10733	0.22	17.78	0.000	-0.62	8.72	0.003	0.02	16.75	0.000	NonUniform
29	MC	11356	10733	0.21	43.38	0.000	-0.50	11.40	0.001	0.02	24.24	0.000	NonUniform
30	MC	11356	10733	0.12	8.88	0.003	-0.48	7.41	0.006	0.01	12.25	0.000	NonUniform
31	MC	11356	10733	0.25	48.52	0.000	0.40	5.67	0.017	0.00	0.80	0.371	Uniform>
32	MC	11356	10733	0.06	3.19	0.074	-1.37	80.10	0.000	0.03	91.30	0.000	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.86: Logistic Regression DIF Results on Stage I Reading Items for the FRL/Non-FRL Comparison

Focal Group:FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	18009	3577	0.01	0.01	0.913	0.48	4.10	0.043	-0.01	4.23	0.040	
16	MC	18009	3577	-0.07	1.72	0.189	0.31	2.20	0.138	-0.01	3.50	0.061	
17	MC	18009	3577	-0.09	1.61	0.204	-0.20	0.57	0.449	0.00	0.19	0.666	
18	MC	18009	3577	0.07	1.50	0.221	-0.09	0.11	0.738	0.00	0.41	0.523	
19	MC	18009	3577	-0.02	0.05	0.821	0.13	0.23	0.629	0.00	0.31	0.577	
20	MC	18009	3577	-0.50	151.29	0.000	0.89	22.96	0.000	-0.03	58.51	0.000	NonUniform
21	MC	18009	3577	-0.26	28.96	0.000	0.56	7.20	0.007	-0.02	16.22	0.000	NonUniform
22	MC	18009	3577	-0.03	0.48	0.491	0.40	3.14	0.077	-0.01	3.86	0.049	
23	MC	18009	3577	0.04	0.72	0.396	0.63	8.08	0.004	-0.01	7.41	0.006	NonUniform
24	MC	18009	3577	-0.13	9.90	0.002	0.70	11.44	0.001	-0.02	16.72	0.000	NonUniform
25	MC	18009	3577	-0.07	2.61	0.106	0.18	0.71	0.399	-0.01	1.47	0.225	
26	MC	18009	3577	-0.10	6.61	0.010	0.38	4.35	0.037	-0.01	7.39	0.007	NonUniform
27	MC	18009	3577	-0.09	4.46	0.035	0.52	7.31	0.007	-0.01	10.55	0.001	NonUniform
28	MC	18009	3577	-0.11	2.67	0.102	0.36	2.04	0.153	-0.01	3.71	0.054	
29	MC	18009	3577	-0.21	23.61	0.000	0.48	6.23	0.013	-0.02	13.35	0.000	NonUniform
30	MC	18009	3577	-0.03	0.26	0.613	0.60	7.26	0.007	-0.02	8.35	0.004	NonUniform
31	MC	18009	3577	-0.05	1.01	0.314	0.18	0.69	0.407	-0.01	1.17	0.279	
32	MC	18009	3577	-0.07	2.96	0.086	0.65	10.78	0.001	-0.02	13.87	0.000	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.87: Logistic Regression DIF Results on Stage I Writing Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	5190	5532	0.10	6.77	0.009	0.05	0.11	0.736	0.00	0.08	0.772	Uniform>
34	SA2	5190	5532	0.35	49.55	0.000	0.57	5.43	0.020	0.00	0.82	0.364	Uniform>
35	SA2	5190	5532	0.27	34.86	0.000	0.18	1.04	0.307	0.00	0.26	0.612	Uniform>
36	SA2	5190	5532	0.12	7.49	0.006	-0.02	0.01	0.915	0.00	0.58	0.448	Uniform>
37	SA2	5190	5532	0.12	7.67	0.006	-0.08	0.15	0.702	0.00	0.95	0.330	Uniform>
38	SA1	5190	5532	0.09	4.36	0.037	0.22	1.60	0.205	0.00	0.64	0.424	
39	SA1	5190	5532	0.00	0.00	0.954	-0.15	0.64	0.423	0.00	0.70	0.404	
40	SA3	5190	5532	0.19	23.86	0.000	0.18	1.16	0.281	0.00	0.00	0.969	Uniform>
41	SA3	5190	5532	0.12	10.16	0.001	-0.44	5.33	0.021	0.01	9.08	0.003	NonUniform

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.88: Logistic Regression DIF Results on Stage I Writing Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	9549	1184	0.01	0.02	0.892	-0.11	0.19	0.661	0.00	0.24	0.626	
34	SA2	9549	1184	-0.22	8.17	0.004	0.25	0.47	0.494	-0.01	1.76	0.185	Uniform<
35	SA2	9549	1184	0.08	1.22	0.269	0.48	3.27	0.070	-0.01	2.42	0.120	
36	SA2	9549	1184	-0.05	0.63	0.429	-0.21	0.57	0.450	0.00	0.33	0.567	
37	SA2	9549	1184	0.02	0.09	0.760	-0.25	0.65	0.420	0.01	0.80	0.371	
38	SA1	9549	1184	0.08	1.31	0.253	-0.05	0.03	0.864	0.00	0.22	0.636	
39	SA1	9549	1184	0.14	4.62	0.032	0.12	0.17	0.683	0.00	0.01	0.929	
40	SA3	9549	1184	-0.04	0.33	0.563	-0.27	1.10	0.295	0.01	0.87	0.351	
41	SA3	9549	1184	-0.11	2.89	0.089	-0.21	0.52	0.471	0.00	0.13	0.714	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.89: Logistic Regression DIF Results on Stage I Writing Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	535	10198	0.10	1.27	0.259	-0.34	0.84	0.359	0.01	1.48	0.224	
34	SA2	535	10198	0.04	0.13	0.720	-1.17	4.45	0.035	0.03	4.97	0.026	
35	SA2	535	10198	0.14	1.72	0.190	0.29	0.50	0.480	0.00	0.14	0.707	
36	SA2	535	10198	-0.11	1.24	0.266	-0.98	5.12	0.024	0.02	4.21	0.040	
37	SA2	535	10198	-0.16	2.91	0.088	-0.03	0.00	0.951	0.00	0.09	0.768	
38	SA1	535	10198	0.02	0.07	0.798	0.09	0.05	0.829	0.00	0.03	0.873	
39	SA1	535	10198	-0.56	31.63	0.000	0.20	0.20	0.652	-0.02	3.10	0.078	Uniform<
40	SA3	535	10198	-0.11	1.46	0.227	-0.87	4.55	0.033	0.02	3.70	0.054	
41	SA3	535	10198	-0.17	3.82	0.051	-0.73	2.49	0.114	0.01	1.51	0.219	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.90: Logistic Regression DIF Results on Stage I Writing Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	726	10007	0.01	0.01	0.910	0.15	0.26	0.612	0.00	0.25	0.620	
34	SA2	726	10007	-0.30	6.80	0.009	-1.42	11.10	0.001	0.03	7.42	0.006	NonUniform
35	SA2	726	10007	-0.14	2.96	0.085	-0.68	4.55	0.033	0.02	2.98	0.084	
36	SA2	726	10007	-0.20	6.10	0.014	-1.22	11.51	0.001	0.03	8.45	0.004	NonUniform
37	SA2	726	10007	-0.03	0.09	0.763	0.06	0.02	0.882	0.00	0.05	0.827	
38	SA1	726	10007	-0.05	0.43	0.513	0.16	0.25	0.617	-0.01	0.48	0.489	
39	SA1	726	10007	0.06	0.44	0.507	-0.32	0.76	0.382	0.01	1.13	0.289	
40	SA3	726	10007	-0.05	0.34	0.559	0.04	0.02	0.893	0.00	0.08	0.774	
41	SA3	726	10007	-0.05	0.37	0.543	0.66	3.47	0.063	-0.02	4.18	0.041	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.91: Logistic Regression DIF Results on Stage I Writing Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	7062	3671	0.16	15.87	0.000	0.48	8.31	0.004	-0.01	3.89	0.049	Uniform>
34	SA2	7062	3671	-0.10	3.88	0.049	0.24	0.92	0.338	-0.01	1.98	0.160	
35	SA2	7062	3671	0.11	5.76	0.016	0.19	1.14	0.287	0.00	0.20	0.654	
36	SA2	7062	3671	0.24	30.10	0.000	0.35	3.43	0.064	0.00	0.33	0.568	Uniform>
37	SA2	7062	3671	0.22	25.70	0.000	0.59	7.51	0.006	-0.01	2.99	0.084	Uniform>
38	SA1	7062	3671	0.07	2.30	0.130	-0.11	0.35	0.552	0.00	0.98	0.322	
39	SA1	7062	3671	0.05	1.16	0.282	-0.16	0.66	0.418	0.01	1.17	0.279	
40	SA3	7062	3671	0.19	21.90	0.000	0.29	2.72	0.099	0.00	0.33	0.564	Uniform>
41	SA3	7062	3671	0.17	17.25	0.000	0.45	5.06	0.024	-0.01	2.05	0.152	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.92: Logistic Regression DIF Results on Stage I Writing Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	7062	806	0.09	1.39	0.238	1.08	10.79	0.001	-0.03	9.52	0.002	NonUniform
34	SA2	7062	806	0.11	1.24	0.266	0.70	2.15	0.143	-0.01	1.59	0.207	
35	SA2	7062	806	0.23	7.72	0.005	0.57	2.74	0.098	-0.01	1.01	0.314	Uniform>
36	SA2	7062	806	0.44	32.68	0.000	0.87	6.00	0.014	-0.01	1.50	0.220	Uniform>
37	SA2	7062	806	0.42	25.57	0.000	0.33	0.68	0.410	0.00	0.04	0.835	Uniform>
38	SA1	7062	806	0.00	0.00	0.954	-0.43	1.69	0.193	0.01	1.76	0.185	
39	SA1	7062	806	0.03	0.18	0.673	-0.48	1.91	0.167	0.01	2.29	0.130	
40	SA3	7062	806	0.25	10.85	0.001	0.66	3.79	0.052	-0.01	1.55	0.213	Uniform>
41	SA3	7062	806	0.31	17.38	0.000	0.56	2.15	0.143	-0.01	0.42	0.515	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.93: Logistic Regression DIF Results on Stage I Writing Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	2865	806	-0.10	1.61	0.205	0.70	4.11	0.043	-0.02	5.63	0.018	
34	SA2	2865	806	0.26	6.14	0.013	0.54	1.24	0.265	-0.01	0.35	0.556	
35	SA2	2865	806	0.15	2.79	0.095	0.44	1.49	0.222	-0.01	0.68	0.410	
36	SA2	2865	806	0.25	8.95	0.003	0.62	2.74	0.098	-0.01	1.01	0.314	Uniform>
37	SA2	2865	806	0.22	6.45	0.011	-0.25	0.35	0.553	0.01	1.29	0.255	
38	SA1	2865	806	-0.09	1.08	0.300	-0.41	1.38	0.239	0.01	0.91	0.341	
39	SA1	2865	806	-0.01	0.03	0.872	-0.41	1.23	0.267	0.01	1.21	0.271	
40	SA3	2865	806	0.07	0.70	0.404	0.46	1.63	0.201	-0.01	1.25	0.263	
41	SA3	2865	806	0.17	4.62	0.032	0.14	0.13	0.719	0.00	0.01	0.939	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.94: Logistic Regression DIF Results on Stage I Writing Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	35	806	0.30	0.75	0.386	2.32	3.43	0.064	-0.06	2.88	0.090	
34	SA2	35	806	0.66	2.11	0.146	2.22	1.43	0.232	-0.04	0.73	0.392	
35	SA2	35	806	-0.04	0.01	0.909	-1.83	1.15	0.284	0.06	1.12	0.290	
36	SA2	35	806	0.30	0.70	0.403	-1.07	0.38	0.538	0.04	0.64	0.425	
37	SA2	35	806	0.31	0.65	0.419	2.41	2.70	0.101	-0.06	2.16	0.142	
38	SA1	35	806	-0.07	0.04	0.849	0.49	0.13	0.714	-0.02	0.19	0.665	
39	SA1	35	806	-0.80	3.60	0.058	1.05	0.46	0.497	-0.05	1.46	0.227	
40	SA3	35	806	0.10	0.07	0.784	-0.54	0.14	0.711	0.02	0.20	0.653	
41	SA3	35	806	0.59	2.77	0.096	0.25	0.03	0.871	0.01	0.05	0.826	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.95: Logistic Regression DIF Results on Stage I Writing Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	11356	10733	-0.35	133.45	0.000	-0.83	35.37	0.000	0.01	12.45	0.000	NonUniform
34	SA2	11356	10733	-0.43	138.44	0.000	-0.88	17.94	0.000	0.01	4.85	0.028	Uniform<
35	SA2	11356	10733	-0.40	113.48	0.000	-0.52	10.48	0.001	0.00	0.57	0.452	Uniform<
36	SA2	11356	10733	-0.25	53.01	0.000	0.07	0.18	0.674	-0.01	4.18	0.041	Uniform<
37	SA2	11356	10733	-0.37	142.59	0.000	-2.25	181.90	0.000	0.04	132.01	0.000	NonUniform
38	SA1	11356	10733	-0.15	22.88	0.000	0.23	2.45	0.118	-0.01	7.04	0.008	NonUniform
39	SA1	11356	10733	-0.19	35.98	0.000	-2.17	163.54	0.000	0.04	142.50	0.000	NonUniform
40	SA3	11356	10733	-0.37	159.31	0.000	-1.95	181.95	0.000	0.03	124.65	0.000	NonUniform
41	SA3	11356	10733	-0.33	126.32	0.000	-2.53	240.51	0.000	0.05	188.83	0.000	NonUniform

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.96: Logistic Regression DIF Results on Stage I Writing Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
33	SA2	18009	3577	0.17	21.02	0.000	0.21	1.43	0.232	0.00	0.04	0.838	Uniform>
34	SA2	18009	3577	-0.18	18.11	0.000	0.20	0.58	0.448	-0.01	2.21	0.138	Uniform<
35	SA2	18009	3577	0.06	1.45	0.228	0.47	5.66	0.017	-0.01	4.58	0.032	
36	SA2	18009	3577	0.21	22.25	0.000	0.13	0.47	0.493	0.00	0.15	0.700	Uniform>
37	SA2	18009	3577	-0.03	0.43	0.511	0.61	7.91	0.005	-0.01	8.88	0.003	NonUniform
38	SA1	18009	3577	0.05	1.48	0.224	0.24	1.63	0.201	0.00	1.09	0.297	
39	SA1	18009	3577	-0.02	0.26	0.613	1.20	28.31	0.000	-0.03	30.44	0.000	NonUniform
40	SA3	18009	3577	0.08	4.78	0.029	0.71	14.42	0.000	-0.01	11.71	0.001	NonUniform
41	SA3	18009	3577	-0.03	0.61	0.434	0.94	19.00	0.000	-0.02	20.73	0.000	NonUniform

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.97: Logistic Regression DIF Results on Stage I Listening Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	5190	5532	-0.03	0.50	0.481	-0.08	0.20	0.659	0.00	0.07	0.791	
2	MC	5190	5532	-0.20	16.84	0.000	-0.11	0.37	0.541	0.00	0.21	0.647	Uniform<
3	MC	5190	5532	-0.08	3.63	0.057	0.04	0.04	0.832	0.00	0.50	0.479	
4	MC	5190	5532	-0.14	7.74	0.005	0.06	0.12	0.733	-0.01	1.23	0.268	Uniform<
5	MC	5190	5532	-0.07	1.81	0.178	-0.13	0.48	0.488	0.00	0.12	0.730	
6	MC	5190	5532	-0.09	4.17	0.041	-0.39	4.13	0.042	0.01	2.60	0.107	
7	MC	5190	5532	0.17	13.26	0.000	0.19	0.80	0.371	0.00	0.00	0.950	Uniform>
8	MC	5190	5532	0.12	8.50	0.004	0.36	4.75	0.029	-0.01	2.30	0.129	Uniform>
9	MC	5190	5532	-0.05	0.87	0.352	-0.29	2.32	0.128	0.01	1.76	0.185	
10	MC	5190	5532	0.15	9.07	0.003	-0.26	1.73	0.189	0.01	4.60	0.032	Uniform>
11	MC	5190	5532	0.08	2.61	0.106	0.07	0.14	0.711	0.00	0.00	0.972	
12	MC	5190	5532	0.00	0.00	0.967	-0.02	0.01	0.929	0.00	0.01	0.919	
13	MC	5190	5532	0.03	0.34	0.558	-0.07	0.14	0.707	0.00	0.28	0.596	
14	MC	5190	5532	-0.01	0.02	0.898	-0.28	2.65	0.104	0.01	2.70	0.100	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.98: Logistic Regression DIF Results on Stage I Listening Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	9549	1184	-0.26	10.17	0.001	-0.16	0.33	0.568	0.00	0.13	0.714	Uniform<
2	MC	9549	1184	-0.14	3.05	0.081	-0.33	1.45	0.228	0.01	0.55	0.457	
3	MC	9549	1184	-0.41	32.80	0.000	-0.26	0.98	0.323	0.00	0.36	0.546	Uniform<
4	MC	9549	1184	-0.10	1.44	0.230	-0.18	0.43	0.512	0.00	0.11	0.743	
5	MC	9549	1184	-0.01	0.01	0.928	-0.51	3.65	0.056	0.01	3.94	0.047	
6	MC	9549	1184	-0.03	0.20	0.654	-0.01	0.00	0.960	0.00	0.00	0.952	
7	MC	9549	1184	0.22	8.22	0.004	0.42	1.69	0.194	-0.01	0.42	0.517	Uniform>
8	MC	9549	1184	0.12	3.47	0.062	0.00	0.00	0.988	0.00	0.26	0.607	
9	MC	9549	1184	0.19	6.04	0.014	0.16	0.34	0.562	0.00	0.01	0.922	
10	MC	9549	1184	-0.01	0.00	0.950	0.00	0.00	0.993	0.00	0.00	0.993	
11	MC	9549	1184	0.40	28.61	0.000	0.14	0.25	0.616	0.01	0.87	0.350	Uniform>
12	MC	9549	1184	0.21	8.92	0.003	-0.10	0.14	0.705	0.01	1.37	0.242	Uniform>
13	MC	9549	1184	0.15	4.60	0.032	0.60	4.46	0.035	-0.01	2.71	0.100	
14	MC	9549	1184	-0.05	0.62	0.431	-0.43	2.89	0.089	0.01	2.39	0.122	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.99: Logistic Regression DIF Results on Stage I Listening Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	535	10198	-0.21	3.85	0.050	-1.03	5.80	0.016	0.02	3.87	0.049	
2	MC	535	10198	-0.14	1.80	0.180	-0.11	0.07	0.784	0.00	0.01	0.941	
3	MC	535	10198	0.03	0.12	0.727	-1.12	7.13	0.008	0.03	7.94	0.005	NonUniform
4	MC	535	10198	0.02	0.05	0.828	0.55	1.75	0.186	-0.01	1.74	0.187	
5	MC	535	10198	0.01	0.01	0.914	-0.35	0.69	0.407	0.01	0.78	0.376	
6	MC	535	10198	0.08	0.68	0.408	-0.32	0.53	0.468	0.01	0.88	0.349	
7	MC	535	10198	-0.03	0.09	0.770	0.53	1.46	0.227	-0.02	1.75	0.186	
8	MC	535	10198	-0.12	1.60	0.205	0.58	2.54	0.111	-0.02	3.90	0.048	
9	MC	535	10198	-0.14	1.77	0.183	0.27	0.43	0.513	-0.01	1.10	0.295	
10	MC	535	10198	0.28	5.61	0.018	0.03	0.01	0.941	0.01	0.31	0.579	
11	MC	535	10198	-0.12	1.15	0.283	0.19	0.21	0.646	-0.01	0.58	0.446	
12	MC	535	10198	0.15	2.18	0.140	1.09	7.88	0.005	-0.03	6.33	0.012	
13	MC	535	10198	-0.17	3.02	0.082	-0.24	0.33	0.565	0.00	0.03	0.864	
14	MC	535	10198	-0.04	0.21	0.650	-0.41	1.08	0.299	0.01	0.92	0.337	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.100: Logistic Regression DIF Results on Stage I Listening Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	726	10007	-0.04	0.16	0.691	0.08	0.07	0.796	0.00	0.15	0.699	
2	MC	726	10007	0.19	4.38	0.036	0.36	1.17	0.278	-0.01	0.28	0.600	
3	MC	726	10007	-0.02	0.08	0.782	0.09	0.08	0.780	0.00	0.14	0.713	
4	MC	726	10007	0.29	9.30	0.002	-0.14	0.16	0.689	0.01	1.62	0.203	Uniform>
5	MC	726	10007	0.38	14.04	0.000	1.13	11.04	0.001	-0.02	5.57	0.018	Uniform>
6	MC	726	10007	0.01	0.00	0.948	0.44	1.76	0.185	-0.01	1.83	0.176	
7	MC	726	10007	-0.18	4.07	0.044	-1.23	8.46	0.004	0.03	6.46	0.011	
8	MC	726	10007	-0.22	7.65	0.006	-0.44	1.98	0.159	0.01	0.52	0.470	Uniform<
9	MC	726	10007	0.13	2.11	0.146	0.45	1.87	0.171	-0.01	1.01	0.315	
10	MC	726	10007	0.07	0.54	0.461	-0.50	1.80	0.180	0.02	2.47	0.116	
11	MC	726	10007	-0.14	2.45	0.118	-0.14	0.17	0.682	0.00	0.00	0.995	
12	MC	726	10007	-0.01	0.00	0.951	-0.22	0.42	0.519	0.01	0.42	0.516	
13	MC	726	10007	-0.15	3.29	0.070	-0.45	1.70	0.192	0.01	0.79	0.374	
14	MC	726	10007	0.11	1.74	0.187	0.89	9.11	0.003	-0.02	7.61	0.006	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.101: Logistic Regression DIF Results on Stage I Listening Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	7062	3671	-0.17	10.57	0.001	-0.15	0.63	0.426	0.00	0.01	0.921	Uniform<
2	MC	7062	3671	0.01	0.02	0.879	-0.10	0.27	0.601	0.00	0.34	0.559	
3	MC	7062	3671	-0.17	13.61	0.000	0.03	0.03	0.852	-0.01	1.38	0.240	Uniform<
4	MC	7062	3671	-0.12	5.20	0.023	0.01	0.00	0.944	0.00	0.51	0.476	
5	MC	7062	3671	-0.13	6.64	0.010	0.15	0.62	0.433	-0.01	2.41	0.120	Uniform<
6	MC	7062	3671	-0.16	11.60	0.001	0.24	1.44	0.230	-0.01	4.19	0.041	Uniform<
7	MC	7062	3671	-0.11	4.94	0.026	-0.39	3.37	0.066	0.01	1.82	0.178	
8	MC	7062	3671	0.07	2.46	0.117	0.06	0.14	0.704	0.00	0.00	0.991	
9	MC	7062	3671	0.15	9.25	0.002	0.14	0.55	0.459	0.00	0.00	0.945	Uniform>
10	MC	7062	3671	-0.11	4.49	0.034	0.19	0.83	0.361	-0.01	2.29	0.130	
11	MC	7062	3671	0.04	0.72	0.395	-0.12	0.34	0.557	0.00	0.70	0.404	
12	MC	7062	3671	-0.01	0.02	0.875	-0.30	2.46	0.117	0.01	2.49	0.114	
13	MC	7062	3671	-0.04	0.95	0.329	-0.32	3.00	0.083	0.01	2.37	0.124	
14	MC	7062	3671	-0.07	2.62	0.105	-0.19	1.19	0.275	0.00	0.51	0.474	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.102: Logistic Regression DIF Results on Stage I Listening Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	7062	806	-0.04	0.19	0.660	0.15	0.18	0.669	-0.01	0.31	0.577	1
2	MC	7062	806	-0.03	0.11	0.740	-0.52	2.24	0.134	0.01	2.15	0.142	2
3	MC	7062	806	-0.09	1.13	0.289	0.01	0.00	0.980	0.00	0.09	0.768	3
4	MC	7062	806	-0.21	4.82	0.028	-0.65	3.18	0.074	0.01	1.58	0.209	4
5	MC	7062	806	-0.13	1.89	0.169	-0.08	0.05	0.816	0.00	0.02	0.895	5
6	MC	7062	806	-0.16	3.71	0.054	0.10	0.07	0.789	-0.01	0.52	0.471	6
7	MC	7062	806	-0.12	1.69	0.194	-0.99	7.10	0.008	0.02	5.90	0.015	7
8	MC	7062	806	0.15	3.63	0.057	-0.17	0.29	0.592	0.01	1.06	0.302	8
9	MC	7062	806	0.05	0.30	0.584	-0.34	0.90	0.343	0.01	1.28	0.257	9
10	MC	7062	806	-0.20	4.30	0.038	0.00	0.00	0.996	-0.01	0.29	0.593	10
11	MC	7062	806	-0.19	4.09	0.043	-0.63	2.84	0.092	0.01	1.47	0.225	11
12	MC	7062	806	-0.14	2.88	0.090	-0.26	0.52	0.472	0.00	0.11	0.744	12
13	MC	7062	806	0.01	0.02	0.902	-0.23	0.44	0.507	0.01	0.51	0.475	13
14	MC	7062	806	-0.04	0.22	0.636	-0.53	2.78	0.095	0.01	2.56	0.109	14

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.103: Logistic Regression DIF Results on Stage I Listening Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	2865	806	0.17	2.84	0.092	0.38	1.01	0.315	-0.01	0.34	0.561	
2	MC	2865	806	-0.05	0.25	0.614	-0.53	2.06	0.151	0.01	1.84	0.175	
3	MC	2865	806	0.10	1.33	0.249	-0.03	0.01	0.943	0.00	0.14	0.707	
4	MC	2865	806	-0.12	1.42	0.233	-0.82	4.59	0.032	0.02	3.62	0.057	
5	MC	2865	806	0.00	0.00	0.987	-0.29	0.56	0.453	0.01	0.62	0.432	
6	MC	2865	806	-0.01	0.02	0.889	-0.17	0.20	0.652	0.00	0.18	0.667	
7	MC	2865	806	-0.01	0.00	0.950	-0.77	3.75	0.053	0.02	3.94	0.047	
8	MC	2865	806	0.10	1.53	0.216	-0.28	0.72	0.396	0.01	1.43	0.232	
9	MC	2865	806	-0.13	1.87	0.171	-0.59	2.56	0.110	0.01	1.66	0.197	
10	MC	2865	806	-0.12	1.30	0.255	-0.23	0.32	0.572	0.00	0.08	0.776	
11	MC	2865	806	-0.30	8.76	0.003	-0.65	2.76	0.097	0.01	0.87	0.352	Uniform<
12	MC	2865	806	-0.17	3.45	0.063	0.03	0.01	0.927	-0.01	0.31	0.581	
13	MC	2865	806	0.07	0.72	0.396	0.12	0.11	0.746	0.00	0.02	0.902	
14	MC	2865	806	0.04	0.26	0.610	-0.42	1.58	0.209	0.01	2.04	0.154	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.104: Logistic Regression DIF Results on Stage I Listening Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	35	806	0.05	0.01	0.910	-1.23	0.48	0.489	0.04	0.53	0.467	
2	MC	35	806	-0.28	0.55	0.457	1.02	0.56	0.456	-0.04	1.01	0.314	
3	MC	35	806	-0.07	0.04	0.843	-0.27	0.03	0.853	0.01	0.02	0.889	
4	MC	35	806	-0.14	0.12	0.733	0.52	0.12	0.728	-0.02	0.22	0.643	
5	MC	35	806	0.17	0.14	0.705	-0.64	0.13	0.716	0.02	0.22	0.639	
6	MC	35	806	-0.82	4.36	0.037	-0.61	0.14	0.711	-0.01	0.02	0.891	
7	MC	35	806	-0.29	0.56	0.453	-2.11	1.24	0.266	0.05	0.95	0.330	
8	MC	35	806	-0.34	0.87	0.350	-0.40	0.09	0.770	0.00	0.00	0.960	
9	MC	35	806	-0.36	0.86	0.353	-0.39	0.07	0.791	0.00	0.00	0.981	
10	MC	35	806	0.61	1.56	0.211	0.68	0.13	0.722	0.00	0.00	0.967	
11	MC	35	806	0.07	0.02	0.874	-0.61	0.12	0.727	0.02	0.16	0.692	
12	MC	35	806	0.44	1.22	0.270	2.73	3.86	0.049	-0.07	3.13	0.077	
13	MC	35	806	0.22	0.35	0.552	0.42	0.09	0.771	-0.01	0.02	0.887	
14	MC	35	806	0.17	0.21	0.643	0.81	0.38	0.537	-0.02	0.26	0.609	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.105: Logistic Regression DIF Results on Stage I Listening Items for the ELL/FEP Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	11356	10733	0.11	6.25	0.012	-0.97	29.05	0.000	0.03	37.70	0.000	NonUniform
2	MC	11356	10733	-0.06	2.43	0.119	-0.66	14.65	0.000	0.01	12.68	0.000	NonUniform
3	MC	11356	10733	0.31	70.38	0.000	-1.75	108.09	0.000	0.05	155.78	0.000	NonUniform
4	MC	11356	10733	0.11	7.27	0.007	-0.07	0.16	0.692	0.00	1.14	0.286	Uniform>
5	MC	11356	10733	0.14	9.99	0.002	-0.80	19.95	0.000	0.02	28.74	0.000	NonUniform
6	MC	11356	10733	0.25	52.70	0.000	-0.51	9.07	0.003	0.02	21.34	0.000	NonUniform
7	MC	11356	10733	0.33	65.93	0.000	0.32	2.89	0.089	0.00	0.00	0.949	Uniform>
8	MC	11356	10733	-0.12	14.32	0.000	-0.30	4.54	0.033	0.00	1.80	0.180	Uniform<
9	MC	11356	10733	-0.06	2.50	0.114	-0.09	0.26	0.609	0.00	0.02	0.889	
10	MC	11356	10733	0.45	90.50	0.000	-0.03	0.03	0.868	0.01	5.97	0.015	Uniform>
11	MC	11356	10733	-0.06	1.84	0.174	0.10	0.34	0.558	0.00	0.86	0.354	
12	MC	11356	10733	0.07	3.62	0.057	-1.21	49.98	0.000	0.03	58.56	0.000	NonUniform
13	MC	11356	10733	0.05	2.37	0.124	-0.04	0.07	0.787	0.00	0.38	0.536	
14	MC	11356	10733	0.29	80.60	0.000	-1.39	78.32	0.000	0.04	120.16	0.000	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.106: Logistic Regression DIF Results on Stage I Listening Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	18009	3577	-0.11	3.91	0.048	0.17	0.63	0.427	-0.01	1.80	0.179	
2	MC	18009	3577	-0.08	2.51	0.113	-0.08	0.13	0.721	0.00	0.00	0.969	
3	MC	18009	3577	-0.24	23.08	0.000	0.30	2.08	0.149	-0.01	6.95	0.008	NonUniform
4	MC	18009	3577	-0.10	3.39	0.066	0.14	0.43	0.511	-0.01	1.36	0.244	
5	MC	18009	3577	0.09	2.99	0.084	0.22	1.03	0.311	0.00	0.35	0.555	
6	MC	18009	3577	-0.18	13.85	0.000	0.38	2.97	0.085	-0.01	6.63	0.010	Uniform<
7	MC	18009	3577	-0.07	1.71	0.191	-0.12	0.25	0.614	0.00	0.04	0.837	
8	MC	18009	3577	-0.05	1.44	0.231	0.55	9.19	0.002	-0.01	11.34	0.001	NonUniform
9	MC	18009	3577	0.04	0.55	0.457	0.47	4.99	0.026	-0.01	4.44	0.035	
10	MC	18009	3577	0.03	0.23	0.629	-0.12	0.25	0.615	0.00	0.42	0.516	
11	MC	18009	3577	0.14	7.00	0.008	0.00	0.00	0.998	0.00	0.45	0.503	Uniform>
12	MC	18009	3577	-0.05	0.99	0.319	0.67	9.03	0.003	-0.02	10.84	0.001	NonUniform
13	MC	18009	3577	0.04	0.80	0.371	-0.09	0.21	0.645	0.00	0.46	0.496	
14	MC	18009	3577	-0.12	7.76	0.005	0.28	2.00	0.158	-0.01	4.25	0.039	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.107: Logistic Regression DIF Results on Stage I Speaking Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	5190	5532	-0.10	5.12	0.024	0.09	0.26	0.612	-0.01	1.29	0.257	
43	SA1	5190	5532	-0.09	1.52	0.217	-0.11	0.20	0.655	0.00	0.01	0.927	
44	SA1	5190	5532	-0.27	37.31	0.000	-0.03	0.03	0.862	-0.01	1.73	0.188	Uniform<
45	SA1	5190	5532	-0.30	32.57	0.000	-0.59	4.58	0.032	0.01	1.17	0.279	Uniform<
46	SA2	5190	5532	-0.05	1.21	0.272	0.01	0.00	0.959	0.00	0.10	0.751	
47	SA2	5190	5532	-0.01	0.09	0.761	0.34	3.82	0.051	-0.01	4.37	0.037	
48	SA2	5190	5532	0.04	0.82	0.365	-0.28	1.68	0.196	0.01	2.28	0.131	
49	SA4	5190	5532	-0.02	0.26	0.611	-0.10	0.48	0.489	0.00	0.34	0.562	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.108: Logistic Regression DIF Results on Stage I Speaking Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	9549	1184	0.09	1.69	0.193	0.08	0.10	0.748	0.00	0.00	0.967	
43	SA1	9549	1184	0.09	0.65	0.421	0.29	0.69	0.406	-0.01	0.37	0.544	
44	SA1	9549	1184	-0.23	10.35	0.001	-0.39	2.05	0.153	0.00	0.37	0.543	Uniform<
45	SA1	9549	1184	-0.18	5.28	0.022	0.11	0.07	0.798	-0.01	0.51	0.474	
46	SA2	9549	1184	-0.02	0.09	0.765	-0.06	0.04	0.840	0.00	0.02	0.895	
47	SA2	9549	1184	0.13	3.83	0.050	0.17	0.45	0.502	0.00	0.03	0.861	
48	SA2	9549	1184	-0.05	0.62	0.429	-0.49	2.41	0.121	0.01	1.99	0.159	
49	SA4	9549	1184	-0.04	0.42	0.515	0.08	0.15	0.699	0.00	0.35	0.552	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.109: Logistic Regression DIF Results on Stage I Speaking Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	535	10198	0.03	0.08	0.782	-0.02	0.00	0.960	0.00	0.02	0.899	
43	SA1	535	10198	0.45	5.80	0.016	-0.32	0.24	0.625	0.02	1.46	0.227	
44	SA1	535	10198	-0.06	0.41	0.524	-0.79	3.32	0.068	0.02	2.97	0.085	
45	SA1	535	10198	0.20	2.98	0.084	0.09	0.02	0.875	0.00	0.03	0.861	
46	SA2	535	10198	0.27	7.21	0.007	0.39	0.93	0.336	0.00	0.10	0.758	Uniform>
47	SA2	535	10198	0.26	6.63	0.010	0.51	1.73	0.188	-0.01	0.46	0.496	
48	SA2	535	10198	-0.09	0.85	0.356	0.70	2.39	0.122	-0.02	3.18	0.075	
49	SA4	535	10198	0.45	25.00	0.000	0.11	0.11	0.746	0.01	1.13	0.288	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.110: Logistic Regression DIF Results on Stage I Speaking Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	726	10007	0.13	2.10	0.147	-0.77	5.50	0.019	0.03	7.88	0.005	NonUniform
43	SA1	726	10007	-0.05	0.14	0.707	0.59	2.09	0.148	-0.02	2.77	0.096	
44	SA1	726	10007	0.28	10.41	0.001	0.90	8.27	0.004	-0.02	4.33	0.037	Uniform>
45	SA1	726	10007	0.33	9.47	0.002	1.36	9.18	0.002	-0.03	5.47	0.019	Uniform>
46	SA2	726	10007	0.08	0.99	0.319	0.05	0.02	0.889	0.00	0.01	0.910	
47	SA2	726	10007	-0.06	0.58	0.446	0.43	2.02	0.156	-0.01	2.83	0.092	
48	SA2	726	10007	0.15	2.93	0.087	0.93	6.36	0.012	-0.02	4.70	0.030	
49	SA4	726	10007	-0.40	28.86	0.000	0.17	0.39	0.534	-0.02	4.85	0.028	Uniform<

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.111: Logistic Regression DIF Results on Stage I Speaking Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	7062	3671	0.03	0.42	0.517	0.00	0.00	0.996	0.00	0.03	0.861	
43	SA1	7062	3671	-0.07	1.00	0.317	0.14	0.31	0.580	-0.01	0.80	0.372	
44	SA1	7062	3671	-0.03	0.53	0.468	0.23	1.49	0.222	-0.01	2.08	0.150	
45	SA1	7062	3671	-0.28	26.80	0.000	0.37	1.76	0.185	-0.01	5.62	0.018	Uniform<
46	SA2	7062	3671	-0.10	5.27	0.022	-0.22	1.45	0.229	0.00	0.44	0.505	
47	SA2	7062	3671	0.05	1.48	0.223	0.10	0.31	0.579	0.00	0.07	0.796	
48	SA2	7062	3671	-0.05	1.32	0.251	0.06	0.09	0.770	0.00	0.29	0.588	
49	SA4	7062	3671	-0.16	15.44	0.000	0.27	3.27	0.071	-0.01	8.98	0.003	NonUniform

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.112: Logistic Regression DIF Results on Stage I Speaking Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	7062	806	-0.14	2.42	0.120	-0.25	0.56	0.454	0.00	0.13	0.719	
43	SA1	7062	806	-0.02	0.02	0.877	-0.45	0.91	0.341	0.01	0.92	0.339	
44	SA1	7062	806	0.00	0.00	0.978	0.61	2.80	0.094	-0.02	2.96	0.085	
45	SA1	7062	806	-0.24	5.78	0.016	-0.29	0.36	0.547	0.00	0.01	0.903	
46	SA2	7062	806	-0.13	2.41	0.121	-0.22	0.40	0.527	0.00	0.08	0.783	
47	SA2	7062	806	0.03	0.13	0.714	0.10	0.08	0.772	0.00	0.04	0.835	
48	SA2	7062	806	-0.07	0.76	0.384	-0.19	0.22	0.638	0.00	0.09	0.768	
49	SA4	7062	806	-0.16	4.64	0.031	-0.05	0.04	0.851	0.00	0.15	0.696	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.113: Logistic Regression DIF Results on Stage I Speaking Items for the Non-Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	2865	806	-0.21	5.18	0.023	-0.32	0.84	0.359	0.00	0.11	0.742	
43	SA1	2865	806	0.07	0.23	0.631	-0.72	2.13	0.144	0.02	2.86	0.091	
44	SA1	2865	806	0.04	0.18	0.674	0.47	1.51	0.219	-0.01	1.35	0.245	
45	SA1	2865	806	0.03	0.09	0.760	-0.84	2.58	0.108	0.02	2.88	0.090	
46	SA2	2865	806	-0.03	0.09	0.761	0.00	0.00	0.993	0.00	0.01	0.934	
47	SA2	2865	806	-0.03	0.15	0.701	-0.01	0.00	0.987	0.00	0.01	0.936	
48	SA2	2865	806	-0.03	0.10	0.748	-0.32	0.57	0.451	0.01	0.49	0.483	
49	SA4	2865	806	0.00	0.00	0.951	-0.39	1.72	0.190	0.01	1.79	0.181	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.114: Logistic Regression DIF Results on Stage I Speaking Items for the American Indian Language/English Comparison

Focal Group: American Indian; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	35	806	-0.03	0.01	0.929	-2.36	1.77	0.183	0.07	1.71	0.191	
43	SA1	35	806	1.40	1.85	0.174	-0.69	0.03	0.872	0.07	0.22	0.637	
44	SA1	35	806	-0.22	0.33	0.567	-0.79	0.23	0.634	0.02	0.12	0.724	
45	SA1	35	806	0.18	0.16	0.687	-3.49	1.40	0.237	0.09	1.68	0.195	
46	SA2	35	806	0.12	0.11	0.741	-0.81	0.25	0.619	0.03	0.35	0.552	
47	SA2	35	806	0.29	0.62	0.432	0.48	0.11	0.735	-0.01	0.02	0.886	
48	SA2	35	806	-0.58	1.87	0.171	-1.99	0.81	0.367	0.03	0.43	0.512	
49	SA4	35	806	0.94	7.45	0.006	-0.09	0.01	0.940	0.03	0.78	0.378	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.115: Logistic Regression DIF Results on Stage I Speaking Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	11356	10733	-0.02	0.25	0.619	0.49	9.93	0.002	-0.01	11.29	0.001	NonUniform
43	SA1	11356	10733	0.01	0.03	0.862	0.40	2.67	0.102	-0.01	2.72	0.099	
44	SA1	11356	10733	0.00	0.01	0.926	-0.26	2.74	0.098	0.01	2.94	0.086	
45	SA1	11356	10733	0.37	115.76	0.000	0.43	4.81	0.028	0.00	0.08	0.772	Uniform>
46	SA2	11356	10733	0.32	79.97	0.000	0.11	0.43	0.511	0.00	1.71	0.191	Uniform>
47	SA2	11356	10733	0.18	25.39	0.000	0.72	21.78	0.000	-0.01	13.13	0.000	NonUniform
48	SA2	11356	10733	0.04	1.87	0.172	-0.12	0.47	0.492	0.00	0.92	0.336	
49	SA4	11356	10733	0.83	709.80	0.000	0.68	25.82	0.000	0.00	1.21	0.272	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.116: Logistic Regression DIF Results on Stage I Speaking Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
42	SA1	18009	3577	0.08	3.19	0.074	-0.39	4.30	0.038	0.01	6.69	0.010	NonUniform
43	SA1	18009	3577	0.06	0.61	0.437	-0.64	5.15	0.023	0.02	6.89	0.009	NonUniform
44	SA1	18009	3577	-0.08	3.04	0.081	0.08	0.16	0.685	0.00	0.67	0.412	
45	SA1	18009	3577	-0.25	35.62	0.000	-0.27	1.17	0.278	0.00	0.01	0.931	Uniform<
46	SA2	18009	3577	-0.05	1.02	0.313	-0.36	3.18	0.075	0.01	2.53	0.111	
47	SA2	18009	3577	0.12	7.40	0.007	-0.38	4.05	0.044	0.01	7.55	0.006	NonUniform
48	SA2	18009	3577	0.14	10.87	0.001	-0.83	15.28	0.000	0.02	21.55	0.000	NonUniform
49	SA4	18009	3577	-0.10	7.41	0.006	0.29	3.20	0.074	-0.01	6.17	0.013	Uniform<

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.117: Logistic Regression DIF Results on Stage II Reading Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	13229	14918	-0.01	0.22	0.642	0.30	6.18	0.013	0.00	7.23	0.007	NonUniform
16	MC	13229	14918	-0.07	5.16	0.023	0.00	0.00	0.994	0.00	0.28	0.595	
17	MC	13229	14918	-0.04	1.85	0.174	-0.02	0.01	0.903	0.00	0.05	0.823	
18	MC	13229	14918	0.07	7.02	0.008	0.03	0.05	0.820	0.00	0.14	0.711	Uniform>
19	MC	13229	14918	0.03	0.99	0.321	0.30	7.87	0.005	0.00	6.98	0.008	NonUniform
20	MC	13229	14918	-0.05	2.45	0.117	-0.03	0.04	0.839	0.00	0.02	0.882	
21	MC	13229	14918	-0.16	32.94	0.000	-0.20	2.60	0.107	0.00	0.09	0.760	Uniform<
22	MC	13229	14918	0.12	19.76	0.000	-0.30	7.43	0.006	0.00	15.11	0.000	NonUniform
23	MC	13229	14918	-0.07	7.38	0.007	-0.03	0.06	0.802	0.00	0.12	0.728	Uniform<
24	MC	13229	14918	-0.04	2.52	0.112	-0.30	6.54	0.011	0.00	5.10	0.024	
25	MC	13229	14918	0.07	6.45	0.011	-0.30	5.74	0.017	0.00	9.15	0.002	NonUniform
26	MC	13229	14918	0.08	9.39	0.002	0.02	0.04	0.841	0.00	0.25	0.614	Uniform>
27	MC	13229	14918	0.18	46.96	0.000	-0.14	1.32	0.251	0.00	7.35	0.007	NonUniform
28	MC	13229	14918	0.00	0.01	0.936	0.14	1.77	0.183	0.00	1.83	0.177	
29	MC	13229	14918	-0.03	1.63	0.201	-0.29	5.65	0.017	0.00	4.63	0.031	
30	MC	13229	14918	0.03	1.19	0.275	-0.31	6.38	0.012	0.00	8.01	0.005	NonUniform
31	MC	13229	14918	-0.30	130.24	0.000	-0.34	7.96	0.005	0.00	0.12	0.729	Uniform<
32	MC	13229	14918	-0.09	13.88	0.000	-0.23	5.06	0.024	0.00	1.98	0.159	Uniform<
33	MC	13229	14918	-0.03	1.80	0.180	-0.31	7.13	0.008	0.00	5.94	0.015	
34	MC	13229	14918	-0.06	4.44	0.035	-0.25	3.94	0.047	0.00	2.45	0.117	
50	SA1	13229	14918	-0.03	1.31	0.252	-0.16	2.09	0.148	0.00	1.46	0.227	
51	SA1	13229	14918	-0.02	0.52	0.471	0.05	0.22	0.637	0.00	0.43	0.513	
52	SA3	13229	14918	-0.35	185.71	0.000	0.09	0.47	0.494	0.00	10.66	0.001	NonUniform

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.118: Logistic Regression DIF Results on Stage II Reading Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	24641	3534	0.10	5.44	0.020	0.31	3.11	0.078	0.00	1.48	0.224	
16	MC	24641	3534	-0.07	2.09	0.148	-0.43	4.13	0.042	0.00	3.03	0.082	
17	MC	24641	3534	-0.43	64.87	0.000	0.00	0.00	0.985	-0.01	4.62	0.032	Uniform<
18	MC	24641	3534	0.13	11.57	0.001	-0.11	0.40	0.525	0.00	2.06	0.151	Uniform>
19	MC	24641	3534	-0.03	0.44	0.505	0.18	1.27	0.260	0.00	1.78	0.182	
20	MC	24641	3534	-0.40	55.74	0.000	-0.85	15.09	0.000	0.01	4.58	0.032	Uniform<
21	MC	24641	3534	-0.20	21.92	0.000	0.01	0.00	0.963	0.00	1.36	0.244	Uniform<
22	MC	24641	3534	0.14	12.77	0.000	0.07	0.17	0.681	0.00	0.20	0.651	Uniform>
23	MC	24641	3534	0.02	0.22	0.639	-0.41	5.60	0.018	0.00	6.40	0.011	
24	MC	24641	3534	0.18	20.67	0.000	-0.08	0.18	0.669	0.00	2.24	0.134	Uniform>
25	MC	24641	3534	-0.03	0.43	0.514	0.45	5.26	0.022	-0.01	6.20	0.013	
26	MC	24641	3534	-0.09	5.37	0.021	-0.05	0.07	0.797	0.00	0.08	0.780	
27	MC	24641	3534	-0.06	2.29	0.130	-0.03	0.02	0.884	0.00	0.04	0.849	
28	MC	24641	3534	-0.05	1.89	0.169	0.43	7.09	0.008	-0.01	9.42	0.002	NonUniform
29	MC	24641	3534	-0.09	5.37	0.021	0.18	0.98	0.323	0.00	2.31	0.129	
30	MC	24641	3534	-0.04	0.86	0.353	0.04	0.06	0.809	0.00	0.21	0.650	
31	MC	24641	3534	-0.12	8.32	0.004	0.34	3.31	0.069	0.00	6.21	0.013	Uniform<
32	MC	24641	3534	-0.08	4.70	0.030	-0.12	0.56	0.452	0.00	0.06	0.811	
33	MC	24641	3534	-0.03	0.47	0.491	-0.02	0.01	0.921	0.00	0.00	0.958	
34	MC	24641	3534	-0.04	0.83	0.363	0.33	2.78	0.095	0.00	3.63	0.057	
50	SA1	24641	3534	-0.09	4.67	0.031	-0.04	0.05	0.820	0.00	0.09	0.761	
51	SA1	24641	3534	0.05	1.77	0.184	0.09	0.27	0.606	0.00	0.05	0.826	
52	SA3	24641	3534	-0.21	31.23	0.000	-0.04	0.04	0.840	0.00	0.72	0.398	Uniform<

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.119: Logistic Regression DIF Results on Stage II Reading Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1985	26190	-0.07	1.62	0.203	0.15	0.42	0.518	0.00	0.98	0.323	
16	MC	1985	26190	-0.01	0.04	0.845	-0.54	3.18	0.075	0.01	3.16	0.075	
17	MC	1985	26190	0.27	16.86	0.000	0.56	4.60	0.032	0.00	1.33	0.249	Uniform>
18	MC	1985	26190	-0.05	1.01	0.315	-0.14	0.36	0.551	0.00	0.15	0.696	
19	MC	1985	26190	-0.03	0.38	0.539	0.47	4.87	0.027	-0.01	5.97	0.015	
20	MC	1985	26190	0.21	10.53	0.001	0.26	0.80	0.372	0.00	0.03	0.856	Uniform>
21	MC	1985	26190	0.16	8.31	0.004	0.15	0.36	0.549	0.00	0.00	0.959	Uniform>
22	MC	1985	26190	0.04	0.51	0.473	-0.10	0.22	0.639	0.00	0.42	0.516	
23	MC	1985	26190	0.09	3.02	0.082	0.09	0.14	0.706	0.00	0.00	0.994	
24	MC	1985	26190	-0.10	3.91	0.048	0.10	0.19	0.660	0.00	0.80	0.370	
25	MC	1985	26190	-0.07	1.79	0.181	-0.35	1.96	0.162	0.00	1.32	0.251	
26	MC	1985	26190	0.08	2.50	0.114	0.43	3.62	0.057	0.00	2.52	0.113	
27	MC	1985	26190	-0.07	1.71	0.191	-0.09	0.15	0.703	0.00	0.01	0.914	
28	MC	1985	26190	-0.05	1.02	0.314	-0.01	0.00	0.963	0.00	0.04	0.848	
29	MC	1985	26190	-0.07	1.81	0.179	-0.41	2.63	0.105	0.00	1.90	0.168	
30	MC	1985	26190	-0.10	3.57	0.059	-0.40	2.56	0.109	0.00	1.54	0.214	
31	MC	1985	26190	0.00	0.00	0.956	-0.72	7.85	0.005	0.01	8.13	0.004	NonUniform
32	MC	1985	26190	-0.05	0.95	0.329	0.37	3.39	0.066	0.00	4.53	0.033	
33	MC	1985	26190	-0.01	0.08	0.772	0.03	0.01	0.907	0.00	0.03	0.854	
34	MC	1985	26190	-0.03	0.39	0.532	-0.39	2.22	0.136	0.00	1.93	0.164	
50	SA1	1985	26190	0.09	3.35	0.067	0.13	0.35	0.556	0.00	0.03	0.869	
51	SA1	1985	26190	0.05	1.19	0.276	0.41	3.54	0.060	0.00	2.81	0.094	
52	SA3	1985	26190	0.07	2.22	0.136	-0.67	5.58	0.018	0.01	7.08	0.008	NonUniform

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.120: Logistic Regression DIF Results on Stage II Reading Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2102	26073	0.01	0.04	0.841	-0.39	3.53	0.060	0.01	3.96	0.047	
16	MC	2102	26073	0.18	9.44	0.002	0.95	17.40	0.000	-0.01	12.46	0.000	NonUniform
17	MC	2102	26073	-0.09	2.86	0.091	0.24	1.32	0.251	0.00	2.76	0.097	
18	MC	2102	26073	0.02	0.11	0.740	-0.04	0.03	0.853	0.00	0.07	0.784	
19	MC	2102	26073	-0.10	3.98	0.046	-0.39	4.62	0.032	0.00	2.80	0.095	
20	MC	2102	26073	-0.05	0.84	0.358	0.16	0.43	0.513	0.00	0.80	0.372	
21	MC	2102	26073	0.15	9.03	0.003	0.10	0.21	0.646	0.00	0.08	0.774	Uniform>
22	MC	2102	26073	0.19	15.62	0.000	-0.09	0.22	0.638	0.00	2.33	0.127	Uniform>
23	MC	2102	26073	0.00	0.00	0.992	0.19	0.81	0.369	0.00	0.85	0.355	
24	MC	2102	26073	-0.03	0.41	0.519	0.08	0.14	0.707	0.00	0.30	0.582	
25	MC	2102	26073	-0.02	0.23	0.630	0.41	3.92	0.048	-0.01	4.69	0.030	
26	MC	2102	26073	0.13	6.80	0.009	0.06	0.08	0.780	0.00	0.14	0.710	Uniform>
27	MC	2102	26073	0.04	0.64	0.423	0.05	0.06	0.806	0.00	0.00	0.958	
28	MC	2102	26073	0.03	0.34	0.558	0.34	3.67	0.056	0.00	3.33	0.068	
29	MC	2102	26073	0.10	3.51	0.061	0.13	0.36	0.547	0.00	0.02	0.888	
30	MC	2102	26073	-0.07	2.01	0.156	0.89	19.82	0.000	-0.01	24.66	0.000	NonUniform
31	MC	2102	26073	0.19	13.82	0.000	0.50	6.10	0.014	0.00	2.56	0.110	Uniform>
32	MC	2102	26073	0.04	0.61	0.435	0.95	30.56	0.000	-0.01	30.46	0.000	NonUniform
33	MC	2102	26073	0.04	0.64	0.422	1.04	29.84	0.000	-0.01	29.28	0.000	NonUniform
34	MC	2102	26073	0.08	2.32	0.128	0.44	4.22	0.040	0.00	3.02	0.082	
50	SA1	2102	26073	0.05	1.09	0.296	0.61	11.73	0.001	-0.01	10.70	0.001	NonUniform
51	SA1	2102	26073	-0.02	0.22	0.637	0.06	0.10	0.753	0.00	0.20	0.654	
52	SA3	2102	26073	0.04	0.74	0.391	-0.23	0.82	0.364	0.00	1.22	0.269	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.121: Logistic Regression DIF Results on Stage II Reading Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	17447	10728	-0.14	22.11	0.000	0.18	2.09	0.148	0.00	7.37	0.007	NonUniform
16	MC	17447	10728	-0.08	6.10	0.014	0.05	0.11	0.737	0.00	0.84	0.359	
17	MC	17447	10728	-0.21	41.19	0.000	-0.07	0.28	0.599	0.00	1.27	0.259	Uniform<
18	MC	17447	10728	0.04	2.69	0.101	-0.11	0.77	0.380	0.00	1.63	0.201	
19	MC	17447	10728	-0.02	0.41	0.522	-0.11	1.06	0.303	0.00	0.81	0.369	
20	MC	17447	10728	-0.11	11.55	0.001	-0.62	17.08	0.000	0.01	11.93	0.001	NonUniform
21	MC	17447	10728	-0.12	17.92	0.000	0.00	0.00	1.000	0.00	1.01	0.314	Uniform<
22	MC	17447	10728	0.17	40.15	0.000	0.04	0.14	0.712	0.00	1.39	0.239	Uniform>
23	MC	17447	10728	-0.03	1.34	0.246	-0.37	9.44	0.002	0.00	8.33	0.004	NonUniform
24	MC	17447	10728	0.05	3.01	0.083	-0.36	8.74	0.003	0.00	11.85	0.001	NonUniform
25	MC	17447	10728	-0.01	0.28	0.596	0.27	4.47	0.035	0.00	5.22	0.022	
26	MC	17447	10728	-0.08	9.61	0.002	-0.17	1.92	0.166	0.00	0.48	0.488	Uniform<
27	MC	17447	10728	0.00	0.01	0.933	0.11	0.77	0.380	0.00	0.85	0.358	
28	MC	17447	10728	0.01	0.06	0.802	0.06	0.29	0.589	0.00	0.24	0.621	
29	MC	17447	10728	0.01	0.22	0.643	0.08	0.44	0.508	0.00	0.33	0.566	
30	MC	17447	10728	-0.05	3.71	0.054	0.07	0.34	0.561	0.00	1.05	0.305	
31	MC	17447	10728	-0.09	12.01	0.001	0.19	2.36	0.125	0.00	5.52	0.019	Uniform<
32	MC	17447	10728	-0.08	10.65	0.001	-0.05	0.23	0.634	0.00	0.10	0.754	Uniform<
33	MC	17447	10728	0.00	0.01	0.916	-0.11	0.81	0.370	0.00	0.80	0.370	
34	MC	17447	10728	-0.04	1.69	0.194	0.11	0.65	0.420	0.00	1.25	0.264	
50	SA1	17447	10728	-0.09	10.80	0.001	-0.12	1.24	0.265	0.00	0.11	0.740	Uniform<
51	SA1	17447	10728	0.05	3.77	0.052	0.18	2.57	0.109	0.00	1.42	0.234	
52	SA3	17447	10728	-0.05	3.90	0.048	0.26	3.56	0.059	0.00	5.24	0.022	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.122: Logistic Regression DIF Results on Stage II Reading Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	17447	3516	-0.22	21.82	0.000	0.13	0.41	0.522	0.00	3.36	0.067	Uniform<
16	MC	17447	3516	-0.06	1.43	0.232	0.57	5.38	0.020	-0.01	6.89	0.009	NonUniform
17	MC	17447	3516	-0.18	12.71	0.000	0.21	1.00	0.316	0.00	3.67	0.056	Uniform<
18	MC	17447	3516	-0.07	3.14	0.076	-0.14	0.57	0.451	0.00	0.14	0.710	
19	MC	17447	3516	0.02	0.18	0.674	-0.13	0.53	0.465	0.00	0.74	0.390	
20	MC	17447	3516	-0.06	1.21	0.271	-0.45	3.69	0.055	0.00	2.96	0.085	
21	MC	17447	3516	-0.05	1.34	0.247	0.17	0.72	0.395	0.00	1.29	0.256	
22	MC	17447	3516	0.17	18.21	0.000	0.12	0.44	0.509	0.00	0.11	0.737	Uniform>
23	MC	17447	3516	-0.01	0.13	0.718	0.05	0.06	0.813	0.00	0.10	0.749	
24	MC	17447	3516	0.05	1.20	0.273	-0.14	0.59	0.442	0.00	1.08	0.299	
25	MC	17447	3516	-0.03	0.45	0.504	0.66	10.35	0.001	-0.01	11.76	0.001	NonUniform
26	MC	17447	3516	-0.07	2.83	0.092	-0.15	0.64	0.425	0.00	0.19	0.666	
27	MC	17447	3516	0.03	0.67	0.414	0.16	0.74	0.389	0.00	0.50	0.481	
28	MC	17447	3516	0.08	4.42	0.035	0.22	1.69	0.194	0.00	0.70	0.402	
29	MC	17447	3516	0.03	0.56	0.453	0.13	0.46	0.495	0.00	0.29	0.591	
30	MC	17447	3516	-0.01	0.03	0.865	0.55	7.41	0.006	-0.01	7.95	0.005	NonUniform
31	MC	17447	3516	-0.08	3.39	0.065	0.52	6.89	0.009	-0.01	9.45	0.002	NonUniform
32	MC	17447	3516	-0.05	1.51	0.219	0.12	0.55	0.457	0.00	1.11	0.292	
33	MC	17447	3516	0.07	3.19	0.074	-0.08	0.18	0.671	0.00	0.68	0.408	
34	MC	17447	3516	-0.10	4.79	0.029	0.34	2.64	0.104	0.00	4.55	0.033	
50	SA1	17447	3516	-0.16	14.45	0.000	-0.08	0.21	0.644	0.00	0.20	0.658	Uniform<
51	SA1	17447	3516	0.06	2.67	0.102	0.32	3.17	0.075	0.00	2.12	0.145	
52	SA3	17447	3516	-0.02	0.28	0.597	0.29	1.80	0.180	0.00	2.13	0.144	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.123: Logistic Regression DIF Results on Stage II Reading Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	7212	3516	-0.11	4.12	0.042	-0.06	0.08	0.781	0.00	0.06	0.812	
16	MC	7212	3516	0.03	0.31	0.575	0.72	7.42	0.006	-0.01	7.09	0.008	NonUniform
17	MC	7212	3516	0.05	0.69	0.406	0.39	2.86	0.091	0.00	2.35	0.126	
18	MC	7212	3516	-0.18	15.13	0.000	-0.03	0.03	0.871	0.00	0.52	0.473	Uniform<
19	MC	7212	3516	0.05	1.14	0.287	-0.02	0.02	0.896	0.00	0.17	0.683	
20	MC	7212	3516	0.07	1.58	0.209	0.23	0.86	0.352	0.00	0.44	0.508	
21	MC	7212	3516	0.11	4.99	0.025	0.22	1.08	0.300	0.00	0.29	0.589	
22	MC	7212	3516	0.00	0.00	0.994	0.11	0.31	0.577	0.00	0.33	0.565	
23	MC	7212	3516	0.01	0.10	0.757	0.59	8.23	0.004	-0.01	8.25	0.004	NonUniform
24	MC	7212	3516	-0.01	0.10	0.748	0.31	2.24	0.135	0.00	2.59	0.108	
25	MC	7212	3516	-0.02	0.11	0.739	0.56	6.20	0.013	-0.01	6.86	0.009	NonUniform
26	MC	7212	3516	0.02	0.19	0.661	0.02	0.01	0.910	0.00	0.00	0.989	
27	MC	7212	3516	0.06	1.51	0.219	0.07	0.12	0.726	0.00	0.01	0.930	
28	MC	7212	3516	0.11	6.85	0.009	0.22	1.35	0.246	0.00	0.32	0.574	Uniform>
29	MC	7212	3516	0.03	0.40	0.529	0.07	0.10	0.749	0.00	0.04	0.849	
30	MC	7212	3516	0.07	2.25	0.134	0.67	9.31	0.002	-0.01	7.84	0.005	NonUniform
31	MC	7212	3516	0.03	0.52	0.470	0.47	4.64	0.031	0.00	4.19	0.041	
32	MC	7212	3516	0.05	1.57	0.210	0.24	1.78	0.183	0.00	1.14	0.285	
33	MC	7212	3516	0.11	5.94	0.015	0.02	0.01	0.904	0.00	0.17	0.676	
34	MC	7212	3516	-0.09	3.06	0.080	0.34	2.24	0.134	0.00	3.67	0.055	
50	SA1	7212	3516	-0.10	4.99	0.026	0.07	0.14	0.704	0.00	0.88	0.348	
51	SA1	7212	3516	0.02	0.28	0.597	0.19	0.96	0.327	0.00	0.78	0.377	
52	SA3	7212	3516	0.05	1.43	0.231	0.02	0.01	0.931	0.00	0.02	0.893	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.124: Logistic Regression DIF Results on Stage II Reading Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	182	3516	-0.51	8.06	0.005	-0.38	0.22	0.637	0.00	0.03	0.870	Uniform<
16	MC	182	3516	0.19	0.73	0.391	-1.10	0.80	0.372	0.02	1.11	0.292	
17	MC	182	3516	-0.23	1.28	0.258	0.41	0.22	0.638	-0.01	0.57	0.450	
18	MC	182	3516	-0.17	1.07	0.301	0.18	0.06	0.814	0.00	0.21	0.644	
19	MC	182	3516	0.00	0.00	0.989	-0.62	0.66	0.417	0.01	0.69	0.405	
20	MC	182	3516	0.54	5.55	0.018	0.33	0.09	0.760	0.00	0.04	0.845	
21	MC	182	3516	0.43	5.31	0.021	0.75	0.77	0.381	0.00	0.14	0.705	
22	MC	182	3516	0.12	0.50	0.479	-0.89	1.19	0.276	0.01	1.58	0.209	
23	MC	182	3516	-0.06	0.14	0.706	0.93	1.48	0.224	-0.01	1.75	0.185	
24	MC	182	3516	-0.29	3.05	0.081	-0.24	0.09	0.770	0.00	0.00	0.948	
25	MC	182	3516	-0.02	0.02	0.895	0.36	0.17	0.676	0.00	0.21	0.650	
26	MC	182	3516	0.10	0.35	0.552	0.57	0.54	0.462	-0.01	0.39	0.534	
27	MC	182	3516	-0.50	8.89	0.003	-0.29	0.12	0.730	0.00	0.06	0.802	Uniform<
28	MC	182	3516	0.03	0.02	0.875	-0.84	1.17	0.280	0.01	1.29	0.256	
29	MC	182	3516	-0.20	1.34	0.247	0.74	0.81	0.369	-0.01	1.35	0.245	
30	MC	182	3516	0.09	0.29	0.590	1.94	6.72	0.010	-0.02	6.44	0.011	
31	MC	182	3516	0.01	0.00	0.963	0.63	0.61	0.433	-0.01	0.63	0.429	
32	MC	182	3516	-0.32	4.19	0.041	-0.29	0.16	0.693	0.00	0.00	0.963	
33	MC	182	3516	-0.08	0.27	0.606	-0.51	0.38	0.537	0.00	0.28	0.598	
34	MC	182	3516	-0.21	1.46	0.228	-1.37	1.87	0.171	0.01	1.38	0.240	
50	SA1	182	3516	0.02	0.02	0.899	0.95	1.73	0.189	-0.01	1.76	0.185	
51	SA1	182	3516	0.07	0.19	0.666	0.58	0.62	0.431	-0.01	0.50	0.477	
52	SA3	182	3516	0.20	1.56	0.212	-0.68	0.54	0.464	0.01	0.91	0.340	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.125: Logistic Regression DIF Results on Stage II Reading Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	24185	3305	0.05	1.16	0.281	0.43	5.04	0.025	0.00	4.15	0.042	
16	MC	24185	3305	-0.07	1.89	0.170	-0.05	0.04	0.839	0.00	0.01	0.911	
17	MC	24185	3305	-0.17	10.89	0.001	0.06	0.07	0.793	0.00	1.26	0.262	Uniform<
18	MC	24185	3305	0.05	1.74	0.188	-0.43	5.82	0.016	0.01	7.74	0.005	NonUniform
19	MC	24185	3305	-0.01	0.06	0.800	-0.11	0.44	0.507	0.00	0.38	0.535	
20	MC	24185	3305	-0.06	1.22	0.270	0.07	0.08	0.774	0.00	0.30	0.585	
21	MC	24185	3305	-0.04	1.02	0.314	0.10	0.25	0.617	0.00	0.56	0.454	
22	MC	24185	3305	0.17	17.63	0.000	-0.03	0.03	0.873	0.00	1.40	0.237	Uniform>
23	MC	24185	3305	0.05	1.70	0.192	0.02	0.01	0.914	0.00	0.03	0.861	
24	MC	24185	3305	0.11	7.12	0.008	0.33	2.91	0.088	0.00	1.32	0.250	Uniform>
25	MC	24185	3305	0.02	0.33	0.563	0.56	7.62	0.006	-0.01	7.28	0.007	NonUniform
26	MC	24185	3305	0.02	0.13	0.714	0.36	3.50	0.061	0.00	3.37	0.066	
27	MC	24185	3305	0.05	1.34	0.248	0.45	5.58	0.018	0.00	4.71	0.030	
28	MC	24185	3305	-0.08	3.98	0.046	0.06	0.13	0.718	0.00	0.73	0.392	
29	MC	24185	3305	-0.09	5.04	0.025	0.33	2.86	0.091	0.00	4.90	0.027	
30	MC	24185	3305	-0.01	0.09	0.763	0.05	0.07	0.798	0.00	0.11	0.743	
31	MC	24185	3305	-0.04	1.03	0.310	0.16	0.65	0.420	0.00	1.10	0.294	
32	MC	24185	3305	-0.05	1.47	0.225	0.13	0.62	0.433	0.00	1.20	0.272	
33	MC	24185	3305	-0.02	0.15	0.695	0.07	0.13	0.721	0.00	0.20	0.651	
34	MC	24185	3305	0.04	0.97	0.324	0.43	4.23	0.040	0.00	3.57	0.059	
50	SA1	24185	3305	-0.08	3.99	0.046	-0.10	0.36	0.548	0.00	0.02	0.900	
51	SA1	24185	3305	0.05	1.51	0.219	0.06	0.13	0.717	0.00	0.01	0.930	
52	SA3	24185	3305	-0.20	27.18	0.000	-0.05	0.07	0.791	0.00	0.50	0.478	Uniform<

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.126: Logistic Regression DIF Results on Stage II Writing Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	13229	14918	0.05	1.88	0.171	-0.12	0.58	0.445	0.00	1.20	0.274	
36	MC	13229	14918	0.03	0.99	0.321	-0.16	2.03	0.154	0.00	2.89	0.089	
37	MC	13229	14918	0.24	88.21	0.000	-0.37	10.49	0.001	0.01	29.83	0.000	NonUniform
38	MC	13229	14918	0.02	0.42	0.516	0.21	3.47	0.062	0.00	3.09	0.079	
39	MC	13229	14918	0.19	27.92	0.000	0.49	9.12	0.003	0.00	3.47	0.062	Uniform>
40	MC	13229	14918	-0.02	0.37	0.543	0.01	0.01	0.918	0.00	0.06	0.806	
41	MC	13229	14918	-0.06	5.32	0.021	-0.22	3.66	0.056	0.00	2.06	0.151	
42	MC	13229	14918	0.07	5.96	0.015	-0.02	0.02	0.886	0.00	0.50	0.479	
43	MC	13229	14918	0.04	1.80	0.180	-0.29	5.11	0.024	0.00	6.78	0.009	NonUniform
44	MC	13229	14918	-0.01	0.16	0.687	-0.01	0.02	0.900	0.00	0.00	0.974	
45	MC	13229	14918	-0.02	0.37	0.544	0.04	0.10	0.754	0.00	0.21	0.646	
46	MC	13229	14918	0.02	0.55	0.457	0.07	0.41	0.523	0.00	0.24	0.627	
47	MC	13229	14918	0.00	0.00	0.971	0.04	0.15	0.699	0.00	0.15	0.697	
48	ER	13229	14918	0.44	282.25	0.000	0.74	42.45	0.000	0.00	7.21	0.007	NonUniform
49	ER	13229	14918	0.33	158.51	0.000	0.64	33.51	0.000	0.00	8.56	0.003	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.127: Logistic Regression DIF Results on Stage II Writing Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	24641	3534	-0.26	19.75	0.000	-0.27	1.18	0.277	0.00	0.00	0.957	Uniform<
36	MC	24641	3534	-0.05	1.77	0.183	0.23	1.80	0.180	0.00	2.86	0.091	
37	MC	24641	3534	-0.18	21.80	0.000	0.00	0.00	0.996	0.00	1.13	0.289	Uniform<
38	MC	24641	3534	-0.04	0.71	0.400	-0.52	9.69	0.002	0.01	9.03	0.003	NonUniform
39	MC	24641	3534	-0.08	2.02	0.155	-0.11	0.22	0.641	0.00	0.02	0.891	
40	MC	24641	3534	0.10	5.56	0.018	-0.44	6.33	0.012	0.01	9.95	0.002	NonUniform
41	MC	24641	3534	0.09	5.25	0.022	-0.20	1.26	0.262	0.00	2.84	0.092	
42	MC	24641	3534	0.05	1.48	0.224	-0.37	4.25	0.039	0.00	5.81	0.016	
43	MC	24641	3534	-0.09	4.38	0.036	0.13	0.45	0.503	0.00	1.29	0.256	
44	MC	24641	3534	-0.18	23.21	0.000	0.15	0.89	0.345	0.00	4.54	0.033	Uniform<
45	MC	24641	3534	-0.01	0.14	0.711	0.08	0.20	0.652	0.00	0.30	0.585	
46	MC	24641	3534	0.46	137.28	0.000	-0.76	19.58	0.000	0.01	52.73	0.000	NonUniform
47	MC	24641	3534	-0.23	35.86	0.000	0.03	0.03	0.870	0.00	2.39	0.122	Uniform<
48	ER	24641	3534	-0.02	0.14	0.704	-0.25	2.20	0.138	0.00	2.05	0.152	
49	ER	24641	3534	0.00	0.01	0.916	-0.03	0.03	0.855	0.00	0.05	0.830	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.128: Logistic Regression DIF Results on Stage II Writing Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	1985	26190	0.07	1.13	0.288	0.60	3.95	0.047	-0.01	3.23	0.072	
36	MC	1985	26190	-0.10	3.59	0.058	0.26	1.33	0.249	0.00	2.65	0.104	
37	MC	1985	26190	0.09	3.70	0.054	0.04	0.03	0.856	0.00	0.06	0.807	
38	MC	1985	26190	0.03	0.37	0.542	0.40	3.30	0.069	0.00	2.97	0.085	
39	MC	1985	26190	-0.05	0.42	0.519	-0.12	0.13	0.714	0.00	0.05	0.818	
40	MC	1985	26190	-0.11	4.40	0.036	0.11	0.23	0.633	0.00	0.93	0.336	
41	MC	1985	26190	-0.07	1.89	0.169	0.22	0.89	0.345	0.00	1.63	0.201	
42	MC	1985	26190	-0.12	4.79	0.029	0.35	2.15	0.143	-0.01	4.02	0.045	
43	MC	1985	26190	-0.01	0.08	0.779	0.02	0.00	0.945	0.00	0.02	0.897	
44	MC	1985	26190	-0.01	0.05	0.819	-0.14	0.40	0.528	0.00	0.35	0.552	
45	MC	1985	26190	0.02	0.11	0.739	-0.11	0.25	0.616	0.00	0.35	0.557	
46	MC	1985	26190	-0.09	3.10	0.078	0.70	10.24	0.001	-0.01	13.52	0.000	NonUniform
47	MC	1985	26190	-0.09	3.56	0.059	0.32	2.04	0.153	0.00	3.59	0.058	
48	ER	1985	26190	0.13	6.99	0.008	0.50	5.09	0.024	0.00	2.89	0.089	Uniform>
49	ER	1985	26190	0.01	0.04	0.837	0.10	0.21	0.645	0.00	0.18	0.671	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.129: Logistic Regression DIF Results on Stage II Writing Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	2102	26073	0.02	0.14	0.705	0.21	0.67	0.415	0.00	0.56	0.454	
36	MC	2102	26073	0.15	8.77	0.003	0.28	2.00	0.157	0.00	0.47	0.494	Uniform>
37	MC	2102	26073	0.15	8.75	0.003	0.44	5.37	0.020	0.00	2.60	0.107	Uniform>
38	MC	2102	26073	-0.25	26.05	0.000	0.96	28.83	0.000	-0.01	50.20	0.000	NonUniform
39	MC	2102	26073	-0.18	8.89	0.003	-0.16	0.37	0.544	0.00	0.01	0.942	Uniform<
40	MC	2102	26073	-0.03	0.38	0.535	0.49	6.09	0.014	-0.01	7.35	0.007	NonUniform
41	MC	2102	26073	-0.21	17.11	0.000	1.06	31.96	0.000	-0.01	48.58	0.000	NonUniform
42	MC	2102	26073	-0.03	0.29	0.590	0.67	11.11	0.001	-0.01	12.89	0.000	NonUniform
43	MC	2102	26073	-0.01	0.04	0.838	0.41	3.59	0.058	0.00	4.00	0.045	
44	MC	2102	26073	0.01	0.08	0.781	-0.15	0.66	0.417	0.00	0.85	0.358	
45	MC	2102	26073	-0.04	0.58	0.445	1.05	31.67	0.000	-0.01	36.04	0.000	NonUniform
46	MC	2102	26073	-0.11	4.52	0.034	0.45	5.33	0.021	-0.01	8.66	0.003	NonUniform
47	MC	2102	26073	0.18	13.60	0.000	0.39	4.18	0.041	0.00	1.30	0.253	Uniform>
48	ER	2102	26073	-0.27	34.77	0.000	-0.82	19.29	0.000	0.01	9.12	0.003	NonUniform
49	ER	2102	26073	-0.28	38.02	0.000	-0.81	19.43	0.000	0.01	8.72	0.003	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.130: Logistic Regression DIF Results on Stage II Writing Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	17447	10728	-0.04	1.01	0.315	-0.03	0.03	0.864	0.00	0.00	0.956	
36	MC	17447	10728	-0.01	0.04	0.835	0.05	0.15	0.694	0.00	0.21	0.650	
37	MC	17447	10728	-0.01	0.30	0.583	-0.07	0.38	0.535	0.00	0.26	0.610	
38	MC	17447	10728	0.02	0.45	0.504	-0.15	1.66	0.198	0.00	2.25	0.134	
39	MC	17447	10728	0.06	2.25	0.134	-0.08	0.23	0.635	0.00	0.71	0.400	
40	MC	17447	10728	0.04	2.28	0.131	-0.25	3.99	0.046	0.00	5.78	0.016	
41	MC	17447	10728	-0.03	0.88	0.348	-0.10	0.76	0.384	0.00	0.46	0.499	
42	MC	17447	10728	-0.02	0.59	0.441	-0.22	2.97	0.085	0.00	2.53	0.112	
43	MC	17447	10728	-0.07	7.13	0.008	-0.13	0.95	0.329	0.00	0.17	0.677	Uniform<
44	MC	17447	10728	-0.05	4.08	0.043	0.15	1.96	0.162	0.00	3.73	0.053	
45	MC	17447	10728	-0.06	4.56	0.033	0.03	0.06	0.805	0.00	0.55	0.458	
46	MC	17447	10728	0.26	94.25	0.000	-0.19	2.62	0.106	0.00	15.08	0.000	NonUniform
47	MC	17447	10728	-0.08	9.39	0.002	0.10	0.68	0.411	0.00	2.41	0.121	Uniform<
48	ER	17447	10728	0.12	20.92	0.000	0.44	14.62	0.000	0.00	8.00	0.005	NonUniform
49	ER	17447	10728	0.13	22.48	0.000	0.43	14.48	0.000	0.00	7.64	0.006	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.131: Logistic Regression DIF Results on Stage II Writing Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	17447	3516	-0.04	0.48	0.487	0.20	0.55	0.460	0.00	0.83	0.363	
36	MC	17447	3516	0.09	4.72	0.030	0.15	0.65	0.421	0.00	0.11	0.745	
37	MC	17447	3516	0.06	2.15	0.143	-0.13	0.50	0.481	0.00	1.10	0.294	
38	MC	17447	3516	0.09	4.14	0.042	0.04	0.05	0.818	0.00	0.07	0.795	
39	MC	17447	3516	0.13	5.46	0.019	0.49	3.42	0.065	0.00	1.89	0.169	
40	MC	17447	3516	0.10	5.55	0.019	0.22	1.28	0.258	0.00	0.40	0.526	
41	MC	17447	3516	-0.07	3.26	0.071	0.17	0.85	0.357	0.00	1.81	0.178	
42	MC	17447	3516	-0.03	0.36	0.551	0.27	1.83	0.177	0.00	2.30	0.130	
43	MC	17447	3516	-0.07	2.61	0.106	0.14	0.47	0.492	0.00	1.09	0.297	
44	MC	17447	3516	-0.02	0.21	0.648	0.04	0.05	0.820	0.00	0.12	0.733	
45	MC	17447	3516	-0.05	1.45	0.229	0.29	2.54	0.111	0.00	3.60	0.058	
46	MC	17447	3516	0.20	24.86	0.000	-0.14	0.58	0.445	0.00	3.56	0.059	Uniform>
47	MC	17447	3516	-0.02	0.38	0.538	0.23	1.63	0.202	0.00	2.08	0.149	
48	ER	17447	3516	0.08	3.70	0.054	0.14	0.61	0.436	0.00	0.12	0.727	
49	ER	17447	3516	0.01	0.11	0.740	0.12	0.43	0.513	0.00	0.35	0.552	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.132: Logistic Regression DIF Results on Stage II Writing Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	7212	3516	0.00	0.01	0.942	0.32	1.21	0.271	0.00	1.31	0.253	
36	MC	7212	3516	0.14	9.78	0.002	0.12	0.37	0.543	0.00	0.01	0.912	Uniform>
37	MC	7212	3516	0.11	5.97	0.015	-0.10	0.23	0.629	0.00	1.10	0.294	
38	MC	7212	3516	0.09	3.95	0.047	0.26	1.74	0.188	0.00	0.75	0.388	
39	MC	7212	3516	0.11	2.83	0.093	0.79	7.49	0.006	-0.01	5.86	0.015	
40	MC	7212	3516	0.07	2.49	0.115	0.66	9.59	0.002	-0.01	7.94	0.005	NonUniform
41	MC	7212	3516	-0.08	2.77	0.096	0.41	3.90	0.048	-0.01	5.76	0.016	
42	MC	7212	3516	-0.01	0.07	0.787	0.69	10.16	0.001	-0.01	11.06	0.001	NonUniform
43	MC	7212	3516	0.01	0.02	0.879	0.39	2.98	0.084	0.00	3.00	0.083	
44	MC	7212	3516	0.06	1.83	0.176	-0.17	0.84	0.359	0.00	1.60	0.206	
45	MC	7212	3516	0.01	0.09	0.759	0.38	3.54	0.060	0.00	3.46	0.063	
46	MC	7212	3516	-0.10	5.25	0.022	0.09	0.19	0.665	0.00	0.92	0.339	
47	MC	7212	3516	0.09	4.01	0.045	0.18	0.85	0.357	0.00	0.24	0.624	
48	ER	7212	3516	-0.06	1.46	0.227	-0.43	4.66	0.031	0.00	3.74	0.053	
49	ER	7212	3516	-0.16	12.08	0.001	-0.41	4.55	0.033	0.00	1.86	0.172	Uniform<

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.133: Logistic Regression DIF Results on Stage II Writing Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	182	3516	0.55	4.50	0.034	0.97	0.66	0.415	-0.01	0.13	0.720	
36	MC	182	3516	-0.19	1.34	0.248	-0.09	0.01	0.908	0.00	0.02	0.897	
37	MC	182	3516	0.15	0.89	0.344	0.48	0.42	0.517	0.00	0.21	0.649	
38	MC	182	3516	0.08	0.23	0.629	0.51	0.43	0.511	0.00	0.32	0.572	
39	MC	182	3516	-0.06	0.07	0.794	0.15	0.02	0.893	0.00	0.04	0.848	
40	MC	182	3516	-0.02	0.01	0.908	2.14	8.66	0.003	-0.02	9.41	0.002	NonUniform
41	MC	182	3516	-0.22	1.79	0.181	-0.11	0.02	0.891	0.00	0.02	0.890	
42	MC	182	3516	-0.21	1.49	0.222	-0.26	0.09	0.769	0.00	0.00	0.959	
43	MC	182	3516	-0.12	0.50	0.481	0.68	0.69	0.407	-0.01	0.99	0.319	
44	MC	182	3516	0.22	1.95	0.163	-0.62	0.68	0.411	0.01	1.32	0.251	
45	MC	182	3516	0.09	0.32	0.572	0.84	1.29	0.256	-0.01	1.08	0.299	
46	MC	182	3516	-0.36	4.48	0.034	-0.36	0.18	0.667	0.00	0.00	1.000	
47	MC	182	3516	0.33	4.10	0.043	0.20	0.07	0.797	0.00	0.03	0.865	
48	ER	182	3516	0.15	0.77	0.380	1.92	6.63	0.010	-0.02	6.07	0.014	
49	ER	182	3516	0.10	0.39	0.532	0.81	1.15	0.284	-0.01	0.92	0.337	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.134: Logistic Regression DIF Results on Stage II Writing Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	24185	3305	0.07	1.40	0.237	0.33	1.63	0.202	0.00	1.08	0.298	
36	MC	24185	3305	0.01	0.09	0.766	0.48	6.70	0.010	-0.01	6.69	0.010	NonUniform
37	MC	24185	3305	-0.02	0.33	0.566	0.40	4.81	0.028	0.00	5.64	0.018	
38	MC	24185	3305	0.09	4.34	0.037	0.31	2.95	0.086	0.00	1.58	0.208	
39	MC	24185	3305	0.17	8.90	0.003	0.27	1.12	0.289	0.00	0.16	0.690	Uniform>
40	MC	24185	3305	0.05	1.55	0.213	-0.03	0.02	0.888	0.00	0.19	0.666	
41	MC	24185	3305	-0.08	3.95	0.047	0.46	5.73	0.017	-0.01	8.34	0.004	NonUniform
42	MC	24185	3305	0.09	4.67	0.031	0.05	0.06	0.801	0.00	0.06	0.814	
43	MC	24185	3305	-0.04	0.83	0.362	0.18	0.78	0.377	0.00	1.20	0.273	
44	MC	24185	3305	-0.10	6.07	0.014	0.49	8.13	0.004	-0.01	12.34	0.000	NonUniform
45	MC	24185	3305	-0.09	5.03	0.025	0.07	0.14	0.708	0.00	0.79	0.375	
46	MC	24185	3305	0.15	13.62	0.000	0.07	0.15	0.701	0.00	0.18	0.670	Uniform>
47	MC	24185	3305	-0.10	5.92	0.015	0.31	2.98	0.084	0.00	5.33	0.021	
48	ER	24185	3305	0.10	6.02	0.014	0.03	0.04	0.850	0.00	0.15	0.695	
49	ER	24185	3305	0.12	9.52	0.002	0.08	0.22	0.638	0.00	0.07	0.798	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.135: Logistic Regression DIF Results on Stage II Listening Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	13229	14918	0.01	0.09	0.764	-0.10	0.69	0.407	0.00	0.87	0.351	
2	MC	13229	14918	-0.05	3.30	0.069	-0.26	5.23	0.022	0.00	3.68	0.055	
3	MC	13229	14918	-0.08	9.78	0.002	-0.13	1.50	0.221	0.00	0.25	0.620	Uniform<
4	MC	13229	14918	-0.03	1.34	0.246	-0.12	0.95	0.329	0.00	0.56	0.455	
5	MC	13229	14918	0.02	0.80	0.372	-0.01	0.02	0.895	0.00	0.12	0.732	
6	MC	13229	14918	-0.03	1.63	0.201	-0.19	2.76	0.096	0.00	2.00	0.157	
7	MC	13229	14918	0.13	12.20	0.000	0.08	0.35	0.556	0.00	0.12	0.734	Uniform>
8	MC	13229	14918	0.00	0.00	0.948	0.31	8.70	0.003	0.00	9.17	0.002	NonUniform
9	MC	13229	14918	-0.04	0.98	0.323	-0.18	1.59	0.207	0.00	1.07	0.301	
10	MC	13229	14918	0.17	13.63	0.000	0.42	5.50	0.019	0.00	2.07	0.150	Uniform>
11	MC	13229	14918	0.00	0.00	0.958	-0.15	1.24	0.266	0.00	1.29	0.257	
12	MC	13229	14918	-0.04	2.56	0.109	0.04	0.11	0.745	0.00	0.56	0.455	
13	MC	13229	14918	-0.05	1.05	0.305	0.15	0.75	0.388	0.00	1.35	0.246	
14	MC	13229	14918	0.02	0.63	0.426	-0.31	6.15	0.013	0.00	7.35	0.007	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.136: Logistic Regression DIF Results on Stage II Listening Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	24641	3534	0.08	3.06	0.080	0.02	0.01	0.913	0.00	0.11	0.737	
2	MC	24641	3534	0.09	5.08	0.024	-0.13	0.65	0.422	0.00	1.88	0.170	
3	MC	24641	3534	-0.01	0.02	0.887	-0.18	1.25	0.263	0.00	1.25	0.263	
4	MC	24641	3534	0.05	1.84	0.175	-0.17	0.85	0.357	0.00	1.54	0.215	
5	MC	24641	3534	-0.19	24.07	0.000	0.24	1.92	0.166	0.00	6.45	0.011	Uniform<
6	MC	24641	3534	-0.12	9.94	0.002	0.18	1.06	0.303	0.00	3.10	0.078	Uniform<
7	MC	24641	3534	0.30	32.72	0.000	0.31	2.45	0.118	0.00	0.00	0.958	Uniform>
8	MC	24641	3534	0.18	21.70	0.000	0.55	11.96	0.001	0.00	5.73	0.017	Uniform>
9	MC	24641	3534	0.17	9.08	0.003	-0.05	0.07	0.794	0.00	1.27	0.260	Uniform>
10	MC	24641	3534	0.25	14.20	0.000	0.14	0.32	0.572	0.00	0.21	0.651	Uniform>
11	MC	24641	3534	0.04	0.63	0.428	-0.05	0.07	0.792	0.00	0.23	0.633	
12	MC	24641	3534	-0.12	8.06	0.005	0.13	0.64	0.425	0.00	2.42	0.119	Uniform<
13	MC	24641	3534	0.04	0.28	0.594	0.20	0.54	0.460	0.00	0.38	0.535	
14	MC	24641	3534	0.07	3.20	0.074	-0.16	0.76	0.382	0.00	1.66	0.197	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.137: Logistic Regression DIF Results on Stage II Listening Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1985	26190	-0.10	3.39	0.066	-0.31	1.78	0.183	0.00	0.86	0.354	
2	MC	1985	26190	-0.15	8.44	0.004	-0.08	0.12	0.734	0.00	0.10	0.750	Uniform<
3	MC	1985	26190	-0.03	0.48	0.488	-0.07	0.10	0.755	0.00	0.02	0.875	
4	MC	1985	26190	0.00	0.01	0.922	0.27	1.26	0.262	0.00	1.36	0.243	
5	MC	1985	26190	0.14	8.29	0.004	-0.34	2.14	0.144	0.01	4.53	0.033	Uniform>
6	MC	1985	26190	-0.11	4.93	0.026	-0.52	4.64	0.031	0.00	3.01	0.083	
7	MC	1985	26190	-0.26	16.01	0.000	-0.06	0.05	0.816	0.00	0.66	0.418	Uniform<
8	MC	1985	26190	-0.12	6.00	0.014	-0.73	11.84	0.001	0.01	8.67	0.003	NonUniform
9	MC	1985	26190	-0.12	2.96	0.085	0.21	0.59	0.444	0.00	1.59	0.207	
10	MC	1985	26190	0.18	3.69	0.055	-0.34	0.79	0.375	0.01	1.95	0.163	
11	MC	1985	26190	0.16	5.73	0.017	0.33	1.49	0.222	0.00	0.44	0.507	
12	MC	1985	26190	0.22	16.63	0.000	0.14	0.36	0.548	0.00	0.16	0.685	Uniform>
13	MC	1985	26190	0.10	1.32	0.251	0.33	0.91	0.340	0.00	0.47	0.493	
14	MC	1985	26190	-0.10	3.94	0.047	0.26	1.19	0.275	0.00	2.39	0.122	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.138: Logistic Regression DIF Results on Stage II Listening Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	2102	26073	-0.05	1.10	0.294	-0.07	0.13	0.717	0.00	0.01	0.926	
2	MC	2102	26073	-0.02	0.11	0.744	0.24	1.53	0.216	0.00	1.87	0.171	
3	MC	2102	26073	0.01	0.03	0.857	0.60	11.02	0.001	-0.01	11.56	0.001	NonUniform
4	MC	2102	26073	-0.05	0.88	0.348	0.58	7.79	0.005	-0.01	9.67	0.002	NonUniform
5	MC	2102	26073	-0.10	3.80	0.051	-0.01	0.00	0.953	0.00	0.20	0.657	
6	MC	2102	26073	0.08	2.65	0.103	0.37	3.47	0.062	0.00	2.24	0.134	
7	MC	2102	26073	-0.32	31.57	0.000	-0.58	6.95	0.008	0.00	1.42	0.234	Uniform<
8	MC	2102	26073	-0.08	2.96	0.085	-0.16	0.77	0.379	0.00	0.19	0.665	
9	MC	2102	26073	-0.25	15.88	0.000	-0.45	3.94	0.047	0.00	0.82	0.364	Uniform<
10	MC	2102	26073	-0.41	36.96	0.000	-0.85	9.06	0.003	0.01	2.50	0.113	Uniform<
11	MC	2102	26073	-0.14	6.31	0.012	0.02	0.00	0.944	0.00	0.53	0.466	
12	MC	2102	26073	0.04	0.49	0.482	0.12	0.42	0.515	0.00	0.23	0.631	
13	MC	2102	26073	-0.20	8.11	0.004	-0.54	3.58	0.058	0.01	1.54	0.215	Uniform<
14	MC	2102	26073	0.20	15.17	0.000	0.55	6.97	0.008	0.00	3.03	0.082	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.139: Logistic Regression DIF Results on Stage II Listening Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	17447	10728	0.06	3.57	0.059	-0.18	2.45	0.118	0.00	4.41	0.036	
2	MC	17447	10728	0.05	3.45	0.063	-0.21	3.24	0.072	0.00	5.29	0.021	
3	MC	17447	10728	0.08	9.00	0.003	0.01	0.01	0.933	0.00	0.43	0.514	Uniform>
4	MC	17447	10728	0.13	22.61	0.000	-0.13	1.11	0.292	0.00	4.49	0.034	Uniform>
5	MC	17447	10728	-0.08	9.40	0.002	0.02	0.04	0.841	0.00	0.84	0.358	Uniform<
6	MC	17447	10728	0.02	0.91	0.340	0.09	0.61	0.436	0.00	0.34	0.560	
7	MC	17447	10728	0.02	0.24	0.628	0.03	0.05	0.820	0.00	0.01	0.918	
8	MC	17447	10728	0.03	1.05	0.305	0.22	4.15	0.042	0.00	3.38	0.066	
9	MC	17447	10728	0.05	1.66	0.198	0.23	2.49	0.114	0.00	1.63	0.201	
10	MC	17447	10728	0.13	7.48	0.006	0.28	2.34	0.126	0.00	0.72	0.396	Uniform>
11	MC	17447	10728	-0.06	2.67	0.102	0.08	0.34	0.560	0.00	1.03	0.311	
12	MC	17447	10728	-0.19	46.34	0.000	0.00	0.00	0.992	0.00	3.15	0.076	Uniform<
13	MC	17447	10728	-0.12	6.88	0.009	0.22	1.42	0.234	0.00	3.68	0.055	Uniform<
14	MC	17447	10728	0.07	6.05	0.014	0.05	0.16	0.688	0.00	0.02	0.898	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.140: Logistic Regression DIF Results on Stage II Listening Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	17447	3516	0.09	3.83	0.050	-0.14	0.59	0.443	0.00	1.64	0.200	
2	MC	17447	3516	0.15	13.37	0.000	-0.08	0.19	0.662	0.00	1.70	0.193	Uniform>
3	MC	17447	3516	0.21	29.10	0.000	0.13	0.61	0.436	0.00	0.23	0.634	Uniform>
4	MC	17447	3516	0.27	43.34	0.000	0.11	0.33	0.565	0.00	0.63	0.427	Uniform>
5	MC	17447	3516	-0.01	0.12	0.734	-0.04	0.05	0.832	0.00	0.02	0.888	
6	MC	17447	3516	0.14	12.63	0.000	0.25	1.82	0.177	0.00	0.37	0.542	Uniform>
7	MC	17447	3516	0.08	1.96	0.162	-0.03	0.02	0.896	0.00	0.26	0.611	
8	MC	17447	3516	0.01	0.03	0.868	0.32	3.67	0.055	0.00	3.72	0.054	
9	MC	17447	3516	0.09	2.28	0.131	0.30	1.73	0.188	0.00	0.91	0.341	
10	MC	17447	3516	0.16	4.56	0.033	0.11	0.14	0.707	0.00	0.03	0.864	
11	MC	17447	3516	-0.03	0.43	0.512	0.32	2.08	0.149	0.00	2.69	0.101	
12	MC	17447	3516	-0.30	46.22	0.000	0.03	0.02	0.875	0.00	3.48	0.062	Uniform<
13	MC	17447	3516	-0.24	10.02	0.002	0.00	0.00	0.987	0.00	0.63	0.426	Uniform<
14	MC	17447	3516	0.06	2.49	0.115	0.25	1.54	0.214	0.00	0.88	0.349	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.141: Logistic Regression DIF Results on Stage II Listening Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	7212	3516	0.04	0.62	0.431	0.06	0.08	0.775	0.00	0.01	0.924	
2	MC	7212	3516	0.14	9.34	0.002	0.16	0.71	0.399	0.00	0.02	0.887	Uniform>
3	MC	7212	3516	0.20	20.23	0.000	0.15	0.60	0.438	0.00	0.08	0.775	Uniform>
4	MC	7212	3516	0.20	19.47	0.000	0.32	2.19	0.139	0.00	0.33	0.566	Uniform>
5	MC	7212	3516	0.10	5.58	0.018	-0.10	0.29	0.592	0.00	1.19	0.275	
6	MC	7212	3516	0.17	15.74	0.000	0.20	0.96	0.327	0.00	0.02	0.899	Uniform>
7	MC	7212	3516	0.09	2.11	0.147	-0.10	0.18	0.671	0.00	0.70	0.403	
8	MC	7212	3516	-0.03	0.32	0.572	0.15	0.69	0.406	0.00	1.00	0.318	
9	MC	7212	3516	0.07	0.95	0.329	0.09	0.13	0.715	0.00	0.01	0.913	
10	MC	7212	3516	0.05	0.32	0.572	-0.25	0.64	0.424	0.00	0.96	0.327	
11	MC	7212	3516	0.03	0.34	0.560	0.33	1.92	0.166	0.00	1.64	0.200	
12	MC	7212	3516	-0.15	9.83	0.002	0.05	0.07	0.785	0.00	1.18	0.278	Uniform<
13	MC	7212	3516	-0.16	3.57	0.059	-0.29	0.75	0.386	0.00	0.16	0.689	
14	MC	7212	3516	-0.01	0.01	0.910	0.29	1.70	0.192	0.00	1.84	0.175	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.142: Logistic Regression DIF Results on Stage II Listening Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	182	3516	0.20	1.17	0.279	-0.68	0.61	0.434	0.01	1.06	0.302	
2	MC	182	3516	0.09	0.33	0.566	0.14	0.03	0.856	0.00	0.00	0.952	
3	MC	182	3516	0.34	4.09	0.043	-0.77	0.89	0.345	0.01	1.91	0.167	
4	MC	182	3516	0.21	1.62	0.203	0.19	0.05	0.817	0.00	0.00	0.983	
5	MC	182	3516	0.25	2.40	0.121	-0.56	0.50	0.478	0.01	1.09	0.297	
6	MC	182	3516	0.16	1.01	0.314	-1.72	3.55	0.060	0.02	4.43	0.035	
7	MC	182	3516	-0.46	5.31	0.021	-1.05	1.38	0.240	0.01	0.46	0.500	
8	MC	182	3516	0.05	0.08	0.783	-0.79	1.06	0.303	0.01	1.23	0.267	
9	MC	182	3516	-0.36	2.78	0.096	-0.64	0.49	0.486	0.00	0.10	0.755	
10	MC	182	3516	-0.20	0.55	0.460	-3.97	5.54	0.019	0.05	4.85	0.028	
11	MC	182	3516	0.12	0.32	0.569	-0.82	0.59	0.444	0.01	0.80	0.371	
12	MC	182	3516	-0.20	1.26	0.262	-0.20	0.07	0.793	0.00	0.00	0.992	
13	MC	182	3516	-0.40	2.01	0.156	0.37	0.10	0.753	-0.01	0.46	0.496	
14	MC	182	3516	-0.29	3.00	0.083	-1.95	3.71	0.054	0.02	2.77	0.096	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.143: Logistic Regression DIF Results on Stage II Listening Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	24185	3305	0.01	0.09	0.759	-0.04	0.04	0.842	0.00	0.08	0.776	
2	MC	24185	3305	0.05	1.37	0.242	-0.10	0.32	0.574	0.00	0.73	0.392	
3	MC	24185	3305	0.05	1.83	0.176	0.10	0.35	0.555	0.00	0.08	0.779	
4	MC	24185	3305	0.04	0.73	0.391	-0.02	0.01	0.917	0.00	0.08	0.771	
5	MC	24185	3305	-0.05	1.34	0.248	0.11	0.39	0.534	0.00	0.81	0.369	
6	MC	24185	3305	0.03	0.72	0.396	0.35	3.58	0.058	0.00	3.08	0.079	
7	MC	24185	3305	-0.03	0.23	0.633	-0.16	0.53	0.467	0.00	0.39	0.532	
8	MC	24185	3305	0.04	1.09	0.297	0.30	3.15	0.076	0.00	2.45	0.117	
9	MC	24185	3305	0.09	2.00	0.158	0.14	0.36	0.547	0.00	0.05	0.816	
10	MC	24185	3305	0.00	0.00	0.958	0.31	1.10	0.293	0.00	1.14	0.286	
11	MC	24185	3305	-0.05	0.95	0.329	0.22	1.01	0.314	0.00	1.63	0.201	
12	MC	24185	3305	-0.10	5.06	0.025	0.31	3.01	0.083	0.00	5.52	0.019	
13	MC	24185	3305	-0.08	1.27	0.259	0.07	0.06	0.799	0.00	0.31	0.575	
14	MC	24185	3305	0.05	1.41	0.235	0.38	3.62	0.057	0.00	2.88	0.090	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.144: Logistic Regression DIF Results on Stage II Speaking Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	13229	14918	-0.32	189.00	0.000	-0.62	43.27	0.000	0.00	10.54	0.001	NonUniform
54	SA4	13229	14918	-0.18	50.53	0.000	-0.21	4.27	0.039	0.00	0.10	0.752	Uniform<
55	SA4	13229	14918	-0.07	6.68	0.010	-0.79	51.80	0.000	0.01	45.82	0.000	NonUniform
56	SA4	13229	14918	0.01	0.23	0.633	-0.45	22.68	0.000	0.00	25.14	0.000	NonUniform
57	SA4	13229	14918	-0.08	13.63	0.000	-0.23	6.00	0.014	0.00	2.54	0.111	Uniform<
58	SA4	13229	14918	0.15	36.12	0.000	-0.44	17.95	0.000	0.01	33.59	0.000	NonUniform
59	SA4	13229	14918	0.12	24.61	0.000	-0.37	13.06	0.000	0.01	24.13	0.000	NonUniform
60	SA4	13229	14918	-0.03	1.32	0.251	-0.18	2.63	0.105	0.00	1.92	0.166	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.145: Logistic Regression DIF Results on Stage II Speaking Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	24641	3534	-0.02	0.38	0.539	0.45	10.09	0.001	0.00	11.54	0.001	NonUniform
54	SA4	24641	3534	0.00	0.01	0.916	0.04	0.06	0.801	0.00	0.05	0.818	
55	SA4	24641	3534	-0.07	3.42	0.064	0.38	5.60	0.018	0.00	8.39	0.004	NonUniform
56	SA4	24641	3534	0.16	23.19	0.000	0.05	0.13	0.721	0.00	0.72	0.398	Uniform>
57	SA4	24641	3534	-0.06	2.68	0.102	0.42	8.86	0.003	-0.01	11.84	0.001	NonUniform
58	SA4	24641	3534	0.39	115.99	0.000	0.29	3.50	0.061	0.00	0.52	0.472	Uniform>
59	SA4	24641	3534	0.35	92.98	0.000	0.35	5.22	0.022	0.00	0.00	0.983	Uniform>
60	SA4	24641	3534	0.02	0.32	0.574	-0.11	0.50	0.480	0.00	0.75	0.386	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.146: Logistic Regression DIF Results on Stage II Speaking Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	1985	26190	0.20	18.97	0.000	-0.27	2.03	0.154	0.01	6.29	0.012	Uniform>
54	SA4	1985	26190	0.17	11.52	0.001	-0.13	0.40	0.527	0.00	2.15	0.142	Uniform>
55	SA4	1985	26190	-0.10	3.65	0.056	-0.34	2.46	0.117	0.00	1.30	0.255	
56	SA4	1985	26190	-0.12	6.91	0.009	-0.28	2.29	0.130	0.00	0.84	0.359	Uniform<
57	SA4	1985	26190	0.13	8.33	0.004	0.01	0.00	0.969	0.00	0.43	0.513	Uniform>
58	SA4	1985	26190	-0.18	14.08	0.000	-0.23	1.26	0.262	0.00	0.07	0.793	Uniform<
59	SA4	1985	26190	-0.24	25.35	0.000	-0.23	1.24	0.265	0.00	0.00	0.957	Uniform<
60	SA4	1985	26190	0.26	25.87	0.000	0.27	1.47	0.225	0.00	0.00	0.973	Uniform>

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005 Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.147: Logistic Regression DIF Results on Stage II Speaking Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	2102	26073	0.31	47.14	0.000	0.31	3.62	0.057	0.00	0.00	0.996	Uniform>
54	SA4	2102	26073	0.19	16.63	0.000	0.23	1.76	0.185	0.00	0.06	0.808	Uniform>
55	SA4	2102	26073	0.14	6.67	0.010	1.00	28.03	0.000	-0.01	22.96	0.000	NonUniform
56	SA4	2102	26073	0.30	47.48	0.000	0.43	7.04	0.008	0.00	0.68	0.410	Uniform>
57	SA4	2102	26073	0.20	22.95	0.000	-0.02	0.01	0.905	0.00	2.10	0.148	Uniform>
58	SA4	2102	26073	0.13	7.27	0.007	0.18	1.01	0.315	0.00	0.09	0.762	Uniform>
59	SA4	2102	26073	0.22	21.36	0.000	0.28	2.56	0.110	0.00	0.15	0.696	Uniform>
60	SA4	2102	26073	-0.54	136.87	0.000	-0.69	16.42	0.000	0.00	0.91	0.340	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.148: Logistic Regression DIF Results on Stage II Speaking Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	17447	10728	-0.10	17.80	0.000	0.09	0.97	0.324	0.00	4.35	0.037	Uniform<
54	SA4	17447	10728	-0.09	12.11	0.001	0.07	0.44	0.506	0.00	2.45	0.117	Uniform<
55	SA4	17447	10728	-0.19	46.97	0.000	0.01	0.01	0.919	0.00	3.35	0.067	Uniform<
56	SA4	17447	10728	0.03	1.94	0.164	-0.06	0.38	0.536	0.00	0.98	0.323	
57	SA4	17447	10728	-0.03	1.66	0.197	0.00	0.00	0.980	0.00	0.12	0.728	
58	SA4	17447	10728	0.29	138.88	0.000	0.13	1.57	0.210	0.00	2.54	0.111	Uniform>
59	SA4	17447	10728	0.22	79.12	0.000	0.15	2.11	0.146	0.00	0.48	0.490	Uniform>
60	SA4	17447	10728	-0.22	66.73	0.000	-0.14	1.56	0.212	0.00	0.56	0.456	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.149: Logistic Regression DIF Results on Stage II Speaking Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	17447	3516	-0.20	31.37	0.000	-0.43	8.04	0.005	0.00	2.36	0.124	Uniform<
54	SA4	17447	3516	-0.18	19.81	0.000	-0.24	2.03	0.154	0.00	0.12	0.725	Uniform<
55	SA4	17447	3516	-0.25	37.69	0.000	-0.14	0.63	0.427	0.00	0.39	0.534	Uniform<
56	SA4	17447	3516	-0.03	0.67	0.414	-0.25	2.72	0.099	0.00	2.23	0.135	
57	SA4	17447	3516	-0.10	7.95	0.005	-0.41	7.88	0.005	0.00	4.80	0.029	Uniform<
58	SA4	17447	3516	0.17	20.29	0.000	-0.20	1.53	0.216	0.00	5.44	0.020	Uniform>
59	SA4	17447	3516	0.11	9.21	0.002	-0.24	2.19	0.139	0.00	5.02	0.025	Uniform>
60	SA4	17447	3516	-0.33	63.64	0.000	-0.43	5.96	0.015	0.00	0.35	0.552	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.150: Logistic Regression DIF Results on Stage II Speaking Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	7212	3516	-0.14	11.55	0.001	-0.70	17.64	0.000	0.01	11.97	0.001	NonUniform
54	SA4	7212	3516	-0.12	7.45	0.006	-0.39	4.68	0.030	0.00	2.33	0.127	Uniform<
55	SA4	7212	3516	-0.08	3.34	0.068	-0.17	0.79	0.375	0.00	0.22	0.637	
56	SA4	7212	3516	-0.09	5.68	0.017	-0.26	2.49	0.115	0.00	1.06	0.303	
57	SA4	7212	3516	-0.10	6.16	0.013	-0.57	12.37	0.000	0.00	8.96	0.003	NonUniform
58	SA4	7212	3516	-0.19	20.51	0.000	-0.47	6.83	0.009	0.00	2.56	0.110	Uniform<
59	SA4	7212	3516	-0.16	14.66	0.000	-0.55	9.48	0.002	0.00	5.02	0.025	Uniform<
60	SA4	7212	3516	-0.15	11.03	0.001	-0.32	2.88	0.090	0.00	0.86	0.353	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.151: Logistic Regression DIF Results on Stage II Speaking Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	182	3516	-0.06	0.14	0.704	1.07	2.60	0.107	-0.01	2.95	0.086	
54	SA4	182	3516	-0.07	0.20	0.651	2.13	9.53	0.002	-0.02	10.89	0.001	NonUniform
55	SA4	182	3516	0.12	0.54	0.461	1.41	3.26	0.071	-0.01	2.90	0.089	
56	SA4	182	3516	-0.19	1.81	0.178	-0.73	1.28	0.259	0.01	0.73	0.393	
57	SA4	182	3516	-0.07	0.22	0.642	-0.05	0.01	0.941	0.00	0.00	0.976	
58	SA4	182	3516	-0.05	0.09	0.764	-0.46	0.41	0.519	0.00	0.35	0.555	
59	SA4	182	3516	0.02	0.01	0.910	-0.50	0.48	0.487	0.01	0.54	0.462	
60	SA4	182	3516	-0.04	0.05	0.821	0.03	0.00	0.969	0.00	0.01	0.929	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.152: Logistic Regression DIF Results on Stage II Speaking Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	24185	3305	-0.16	20.54	0.000	-0.20	1.79	0.180	0.00	0.06	0.804	Uniform<
54	SA4	24185	3305	-0.08	4.09	0.043	-0.37	5.21	0.023	0.00	3.32	0.068	
55	SA4	24185	3305	-0.25	39.28	0.000	-0.26	2.20	0.138	0.00	0.00	0.963	Uniform<
56	SA4	24185	3305	-0.04	1.19	0.276	-0.49	11.15	0.001	0.00	10.03	0.002	NonUniform
57	SA4	24185	3305	-0.11	10.60	0.001	-0.30	4.28	0.038	0.00	1.74	0.187	Uniform<
58	SA4	24185	3305	0.26	49.41	0.000	-0.75	22.08	0.000	0.01	42.70	0.000	NonUniform
59	SA4	24185	3305	0.18	21.98	0.000	-0.70	18.97	0.000	0.01	31.62	0.000	NonUniform
60	SA4	24185	3305	-0.20	24.10	0.000	-0.53	9.46	0.002	0.00	3.84	0.050	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.153: Logistic Regression DIF Results on Stage III Reading Items for the Male/Female Comparison

Focal Group: Male; Reference Group: Female													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	11142	14167	0.05	1.84	0.175	0.42	8.42	0.004	0.00	6.96	0.008	NonUniform
16	MC	11142	14167	0.10	12.24	0.000	-0.71	24.26	0.000	0.01	32.60	0.000	NonUniform
17	MC	11142	14167	0.01	0.10	0.756	0.14	1.32	0.250	0.00	1.23	0.267	
18	MC	11142	14167	-0.07	5.48	0.019	-0.16	1.17	0.278	0.00	0.41	0.523	
19	MC	11142	14167	0.19	25.56	0.000	0.55	10.72	0.001	0.00	4.73	0.030	Uniform>
20	MC	11142	14167	0.14	26.32	0.000	0.15	1.32	0.251	0.00	0.01	0.913	Uniform>
21	MC	11142	14167	0.29	34.53	0.000	0.96	30.58	0.000	-0.01	16.37	0.000	NonUniform
22	MC	11142	14167	0.07	7.33	0.007	0.28	5.47	0.019	0.00	3.19	0.074	Uniform>
23	MC	11142	14167	0.00	0.00	0.997	0.30	5.59	0.018	0.00	5.86	0.015	
24	MC	11142	14167	0.09	9.52	0.002	-0.01	0.00	0.959	0.00	0.40	0.525	Uniform>
25	MC	11142	14167	0.27	63.90	0.000	0.05	0.10	0.755	0.00	2.35	0.125	Uniform>
26	MC	11142	14167	0.28	80.46	0.000	-0.09	0.30	0.581	0.00	5.73	0.017	Uniform>
27	MC	11142	14167	-0.06	3.80	0.051	0.32	4.63	0.031	0.00	6.78	0.009	NonUniform
28	MC	11142	14167	0.11	14.62	0.000	0.04	0.08	0.782	0.00	0.27	0.605	Uniform>
29	MC	11142	14167	-0.08	6.21	0.013	-0.44	7.54	0.006	0.00	5.25	0.022	
30	MC	11142	14167	-0.18	41.39	0.000	-0.31	4.34	0.037	0.00	0.80	0.370	Uniform<
31	MC	11142	14167	-0.08	9.64	0.002	-0.35	6.00	0.014	0.00	3.56	0.059	Uniform<
32	MC	11142	14167	-0.01	0.04	0.848	-0.25	3.02	0.082	0.00	3.00	0.083	
33	MC	11142	14167	-0.01	0.17	0.680	0.35	5.86	0.015	0.00	6.51	0.011	
34	MC	11142	14167	0.14	23.70	0.000	0.18	1.55	0.214	0.00	0.11	0.741	Uniform>
35	MC	11142	14167	-0.02	0.32	0.570	-0.15	1.20	0.273	0.00	1.01	0.316	
36	MC	11142	14167	0.00	0.02	0.884	-0.13	0.94	0.332	0.00	0.92	0.336	
37	MC	11142	14167	-0.04	1.77	0.184	0.18	2.08	0.149	0.00	3.10	0.078	
56	SA1	11142	14167	0.01	0.27	0.603	-0.15	1.64	0.200	0.00	2.05	0.152	
57	SA1	11142	14167	-0.39	181.33	0.000	-0.10	0.38	0.539	0.00	3.23	0.072	Uniform<
58	SA1	11142	14167	-0.34	138.84	0.000	-0.42	6.21	0.013	0.00	0.22	0.636	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.154: Logistic Regression DIF Results on Stage III Reading Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	21776	3562	-0.08	1.90	0.169	0.43	4.54	0.033	-0.01	6.71	0.010	NonUniform
16	MC	21776	3562	-0.35	81.72	0.000	-0.38	4.26	0.039	0.00	0.04	0.844	Uniform<
17	MC	21776	3562	-0.08	3.63	0.057	0.04	0.06	0.800	0.00	0.53	0.468	
18	MC	21776	3562	-0.29	48.66	0.000	-0.18	0.79	0.374	0.00	0.33	0.564	Uniform<
19	MC	21776	3562	0.02	0.15	0.703	-0.05	0.04	0.833	0.00	0.10	0.758	
20	MC	21776	3562	-0.21	30.84	0.000	-0.20	1.28	0.257	0.00	0.00	0.953	Uniform<
21	MC	21776	3562	-0.10	2.28	0.131	0.10	0.18	0.669	0.00	0.80	0.370	
22	MC	21776	3562	-0.08	4.31	0.038	0.33	4.01	0.045	0.00	6.48	0.011	
23	MC	21776	3562	-0.22	30.97	0.000	-0.01	0.00	0.958	0.00	1.51	0.219	Uniform<
24	MC	21776	3562	-0.04	1.01	0.314	-0.37	3.27	0.070	0.00	2.69	0.101	
25	MC	21776	3562	-0.05	0.89	0.346	-0.38	3.47	0.063	0.00	2.84	0.092	
26	MC	21776	3562	0.10	5.03	0.025	-0.44	4.39	0.036	0.01	6.93	0.008	NonUniform
27	MC	21776	3562	-0.09	4.08	0.043	-0.44	5.05	0.025	0.00	3.43	0.064	
28	MC	21776	3562	-0.16	14.81	0.000	-0.22	1.34	0.247	0.00	0.11	0.741	Uniform<
29	MC	21776	3562	-0.13	9.08	0.003	-0.21	0.97	0.324	0.00	0.12	0.728	Uniform<
30	MC	21776	3562	-0.15	14.55	0.000	0.51	6.07	0.014	-0.01	10.54	0.001	NonUniform
31	MC	21776	3562	-0.18	21.09	0.000	0.21	1.12	0.289	0.00	4.07	0.044	Uniform<
32	MC	21776	3562	0.12	9.44	0.002	0.07	0.11	0.736	0.00	0.08	0.775	Uniform>
33	MC	21776	3562	0.17	16.90	0.000	-0.19	0.94	0.332	0.00	3.43	0.064	Uniform>
34	MC	21776	3562	0.00	0.01	0.938	0.38	3.24	0.072	0.00	3.43	0.064	
35	MC	21776	3562	-0.07	2.93	0.087	0.24	1.55	0.214	0.00	2.65	0.104	
36	MC	21776	3562	-0.03	0.54	0.461	-0.12	0.40	0.525	0.00	0.24	0.625	
37	MC	21776	3562	0.00	0.01	0.904	0.19	1.14	0.285	0.00	1.15	0.285	
56	SA1	21776	3562	0.28	53.92	0.000	0.36	4.86	0.028	0.00	0.30	0.584	Uniform>
57	SA1	21776	3562	-0.15	14.25	0.000	0.11	0.23	0.630	0.00	1.42	0.233	Uniform<
58	SA1	21776	3562	-0.26	39.82	0.000	0.41	3.05	0.081	-0.01	8.40	0.004	NonUniform

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.155: Logistic Regression DIF Results on Stage III Reading Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2628	22710	0.02	0.11	0.740	-0.52	3.89	0.049	0.01	4.40	0.036	
16	MC	2628	22710	0.44	103.68	0.000	-0.32	1.92	0.166	0.01	11.10	0.001	NonUniform
17	MC	2628	22710	-0.09	4.30	0.038	-0.05	0.06	0.799	0.00	0.04	0.849	
18	MC	2628	22710	0.26	32.28	0.000	-0.03	0.02	0.901	0.00	1.51	0.220	Uniform>
19	MC	2628	22710	-0.06	1.14	0.286	-0.90	8.62	0.003	0.01	7.68	0.006	NonUniform
20	MC	2628	22710	0.13	8.39	0.004	-0.02	0.01	0.929	0.00	0.45	0.504	Uniform>
21	MC	2628	22710	-0.01	0.02	0.880	-0.49	2.32	0.128	0.01	2.32	0.127	
22	MC	2628	22710	0.00	0.00	0.984	0.11	0.30	0.585	0.00	0.31	0.579	
23	MC	2628	22710	0.16	12.81	0.000	0.01	0.00	0.977	0.00	0.52	0.471	Uniform>
24	MC	2628	22710	0.05	1.01	0.315	-0.35	1.94	0.164	0.00	2.55	0.111	
25	MC	2628	22710	0.00	0.00	0.960	-0.23	0.80	0.372	0.00	0.81	0.368	
26	MC	2628	22710	-0.09	3.28	0.070	0.16	0.38	0.535	0.00	0.98	0.323	
27	MC	2628	22710	0.11	5.20	0.023	0.36	2.25	0.134	0.00	1.13	0.287	
28	MC	2628	22710	0.01	0.03	0.860	-0.02	0.01	0.924	0.00	0.02	0.894	
29	MC	2628	22710	0.05	0.93	0.334	0.13	0.26	0.608	0.00	0.11	0.744	
30	MC	2628	22710	-0.01	0.09	0.759	-0.16	0.44	0.508	0.00	0.38	0.537	
31	MC	2628	22710	0.03	0.59	0.443	-0.72	8.76	0.003	0.01	9.97	0.002	NonUniform
32	MC	2628	22710	-0.19	17.22	0.000	0.53	5.18	0.023	-0.01	9.83	0.002	NonUniform
33	MC	2628	22710	-0.20	20.27	0.000	-0.14	0.33	0.568	0.00	0.08	0.783	Uniform<
34	MC	2628	22710	0.02	0.16	0.692	-0.61	5.72	0.017	0.01	6.30	0.012	
35	MC	2628	22710	0.05	1.47	0.225	-0.12	0.24	0.624	0.00	0.54	0.462	
36	MC	2628	22710	-0.02	0.29	0.593	-0.08	0.12	0.730	0.00	0.06	0.806	
37	MC	2628	22710	0.05	1.59	0.208	0.03	0.03	0.872	0.00	0.01	0.924	
56	SA1	2628	22710	-0.17	15.50	0.000	0.06	0.08	0.774	0.00	1.32	0.251	Uniform<
57	SA1	2628	22710	0.02	0.17	0.680	0.06	0.06	0.804	0.00	0.03	0.859	
58	SA1	2628	22710	0.05	1.10	0.294	-0.64	5.21	0.023	0.01	6.21	0.013	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.156: Logistic Regression DIF Results on Stage III Reading Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2598	22740	-0.25	21.54	0.000	-0.74	11.73	0.001	0.01	5.48	0.019	Uniform<
16	MC	2598	22740	0.08	2.63	0.105	0.80	15.04	0.000	-0.01	12.82	0.000	NonUniform
17	MC	2598	22740	-0.07	2.10	0.147	-0.01	0.00	0.967	0.00	0.10	0.752	
18	MC	2598	22740	-0.17	12.48	0.000	0.34	2.54	0.111	-0.01	5.92	0.015	Uniform<
19	MC	2598	22740	-0.31	35.68	0.000	-0.83	10.92	0.001	0.01	4.42	0.036	Uniform<
20	MC	2598	22740	-0.02	0.14	0.707	0.19	0.95	0.329	0.00	1.19	0.276	
21	MC	2598	22740	-0.36	34.82	0.000	-0.62	6.05	0.014	0.00	1.10	0.294	Uniform<
22	MC	2598	22740	0.02	0.15	0.696	0.04	0.04	0.837	0.00	0.01	0.910	
23	MC	2598	22740	0.06	1.91	0.166	-0.52	6.94	0.008	0.01	9.16	0.002	NonUniform
24	MC	2598	22740	0.03	0.33	0.568	0.73	11.31	0.001	-0.01	10.95	0.001	NonUniform
25	MC	2598	22740	-0.11	5.00	0.025	-0.63	7.50	0.006	0.01	5.32	0.021	
26	MC	2598	22740	-0.11	4.77	0.029	-0.15	0.43	0.513	0.00	0.04	0.839	
27	MC	2598	22740	-0.09	3.30	0.069	0.09	0.17	0.681	0.00	0.69	0.408	
28	MC	2598	22740	0.03	0.32	0.574	0.28	1.79	0.181	0.00	1.55	0.214	
29	MC	2598	22740	-0.01	0.06	0.802	0.62	7.13	0.008	-0.01	7.77	0.005	NonUniform
30	MC	2598	22740	0.07	2.31	0.129	1.10	28.46	0.000	-0.01	25.97	0.000	NonUniform
31	MC	2598	22740	0.18	15.65	0.000	1.21	38.15	0.000	-0.01	28.79	0.000	NonUniform
32	MC	2598	22740	0.08	2.84	0.092	0.69	11.37	0.001	-0.01	9.31	0.002	NonUniform
33	MC	2598	22740	-0.05	1.13	0.287	0.07	0.11	0.737	0.00	0.34	0.562	
34	MC	2598	22740	-0.13	6.45	0.011	0.03	0.02	0.901	0.00	0.49	0.486	
35	MC	2598	22740	0.14	8.26	0.004	0.85	17.91	0.000	-0.01	13.19	0.000	NonUniform
36	MC	2598	22740	0.02	0.13	0.718	0.36	3.07	0.080	0.00	2.92	0.087	
37	MC	2598	22740	0.09	3.86	0.049	0.44	5.33	0.021	0.00	3.55	0.060	
56	SA1	2598	22740	0.06	2.22	0.136	0.50	8.23	0.004	0.00	6.66	0.010	NonUniform
57	SA1	2598	22740	-0.16	9.15	0.002	-0.55	4.53	0.033	0.00	2.45	0.118	Uniform<
58	SA1	2598	22740	-0.24	20.84	0.000	-0.23	0.76	0.384	0.00	0.00	0.974	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.157: Logistic Regression DIF Results on Stage III Reading Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	14918	10420	-0.08	3.94	0.047	0.20	1.84	0.176	0.00	3.81	0.051	
16	MC	14918	10420	-0.08	8.23	0.004	-0.04	0.08	0.774	0.00	0.08	0.779	Uniform<
17	MC	14918	10420	-0.01	0.04	0.848	0.14	1.31	0.252	0.00	1.50	0.221	
18	MC	14918	10420	-0.18	41.28	0.000	-0.20	1.97	0.161	0.00	0.02	0.901	Uniform<
19	MC	14918	10420	0.01	0.14	0.710	-0.13	0.58	0.448	0.00	0.75	0.386	
20	MC	14918	10420	-0.06	5.42	0.020	0.02	0.02	0.900	0.00	0.38	0.538	
21	MC	14918	10420	-0.02	0.16	0.693	0.04	0.04	0.835	0.00	0.11	0.740	
22	MC	14918	10420	-0.04	1.77	0.183	0.25	4.33	0.037	0.00	5.95	0.015	
23	MC	14918	10420	-0.11	17.87	0.000	0.00	0.00	0.993	0.00	0.90	0.344	Uniform<
24	MC	14918	10420	-0.06	4.57	0.033	-0.34	5.11	0.024	0.00	3.58	0.059	
25	MC	14918	10420	0.05	1.87	0.171	-0.17	1.30	0.254	0.00	2.22	0.136	
26	MC	14918	10420	0.05	2.23	0.136	0.10	0.40	0.526	0.00	0.12	0.734	
27	MC	14918	10420	-0.03	1.09	0.296	-0.28	3.56	0.059	0.00	2.92	0.088	
28	MC	14918	10420	-0.05	3.16	0.076	-0.11	0.58	0.446	0.00	0.16	0.687	
29	MC	14918	10420	-0.02	0.37	0.546	-0.21	1.80	0.179	0.00	1.55	0.213	
30	MC	14918	10420	-0.10	12.90	0.000	0.33	5.12	0.024	0.00	8.97	0.003	NonUniform
31	MC	14918	10420	-0.06	4.54	0.033	0.23	2.73	0.099	0.00	4.45	0.035	
32	MC	14918	10420	0.01	0.07	0.794	0.01	0.01	0.920	0.00	0.00	0.960	
33	MC	14918	10420	0.13	20.54	0.000	-0.10	0.48	0.491	0.00	2.62	0.105	Uniform>
34	MC	14918	10420	0.08	7.77	0.005	-0.01	0.01	0.922	0.00	0.41	0.523	Uniform>
35	MC	14918	10420	-0.07	7.15	0.007	0.03	0.05	0.823	0.00	0.60	0.439	Uniform<
36	MC	14918	10420	0.03	0.94	0.333	0.13	0.96	0.327	0.00	0.64	0.425	
37	MC	14918	10420	-0.01	0.26	0.612	-0.06	0.19	0.664	0.00	0.11	0.738	
56	SA1	14918	10420	0.03	1.07	0.302	0.31	7.03	0.008	0.00	6.16	0.013	
57	SA1	14918	10420	-0.12	18.62	0.000	0.35	4.68	0.031	0.00	8.89	0.003	NonUniform
58	SA1	14918	10420	-0.13	19.97	0.000	0.27	2.62	0.105	0.00	5.94	0.015	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.158: Logistic Regression DIF Results on Stage III Reading Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	14918	3401	-0.02	0.18	0.674	0.18	0.58	0.445	0.00	0.79	0.375	
16	MC	14918	3401	-0.07	3.02	0.082	0.01	0.00	0.965	0.00	0.14	0.708	
17	MC	14918	3401	0.07	2.46	0.117	0.28	2.01	0.156	0.00	1.24	0.265	
18	MC	14918	3401	-0.16	14.96	0.000	0.17	0.57	0.450	0.00	2.24	0.135	Uniform<
19	MC	14918	3401	0.06	1.19	0.274	0.61	4.90	0.027	-0.01	4.13	0.042	
20	MC	14918	3401	-0.01	0.02	0.894	0.31	2.14	0.144	0.00	2.30	0.130	
21	MC	14918	3401	0.13	3.58	0.058	0.75	6.32	0.012	-0.01	4.48	0.034	
22	MC	14918	3401	0.00	0.01	0.942	0.26	1.87	0.172	0.00	2.00	0.157	
23	MC	14918	3401	-0.05	1.68	0.195	0.19	0.91	0.341	0.00	1.53	0.216	
24	MC	14918	3401	-0.03	0.52	0.469	-0.12	0.28	0.594	0.00	0.17	0.682	
25	MC	14918	3401	0.08	2.64	0.104	0.24	0.98	0.322	0.00	0.45	0.501	
26	MC	14918	3401	0.09	3.61	0.057	0.67	7.08	0.008	-0.01	5.54	0.019	
27	MC	14918	3401	0.02	0.18	0.669	-0.09	0.14	0.705	0.00	0.22	0.638	
28	MC	14918	3401	0.05	1.31	0.253	0.71	9.25	0.002	-0.01	8.30	0.004	NonUniform
29	MC	14918	3401	0.02	0.19	0.664	0.00	0.00	0.987	0.00	0.01	0.918	
30	MC	14918	3401	-0.02	0.24	0.623	0.32	1.93	0.164	0.00	2.26	0.132	
31	MC	14918	3401	-0.01	0.08	0.771	0.33	2.28	0.131	0.00	2.54	0.111	
32	MC	14918	3401	0.03	0.67	0.413	-0.24	1.21	0.271	0.00	1.63	0.201	
33	MC	14918	3401	0.15	12.52	0.000	0.25	1.20	0.273	0.00	0.20	0.651	Uniform>
34	MC	14918	3401	0.18	17.16	0.000	0.18	0.60	0.438	0.00	0.00	0.975	Uniform>
35	MC	14918	3401	-0.01	0.03	0.869	-0.22	1.07	0.302	0.00	1.04	0.309	
36	MC	14918	3401	0.02	0.33	0.566	0.07	0.10	0.747	0.00	0.05	0.830	
37	MC	14918	3401	0.01	0.02	0.881	0.32	2.39	0.122	0.00	2.40	0.122	
56	SA1	14918	3401	-0.01	0.12	0.724	0.03	0.02	0.887	0.00	0.05	0.825	
57	SA1	14918	3401	-0.01	0.02	0.892	0.49	3.84	0.050	0.00	4.06	0.044	
58	SA1	14918	3401	-0.03	0.54	0.463	0.45	3.04	0.081	0.00	3.58	0.058	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.159: Logistic Regression DIF Results on Stage III Reading Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	7019	3401	0.09	1.94	0.164	-0.02	0.01	0.938	0.00	0.19	0.661	
16	MC	7019	3401	0.01	0.07	0.792	0.07	0.09	0.759	0.00	0.07	0.794	
17	MC	7019	3401	0.11	5.44	0.020	0.20	0.87	0.351	0.00	0.19	0.661	
18	MC	7019	3401	0.03	0.49	0.482	0.52	4.59	0.032	0.00	4.19	0.041	
19	MC	7019	3401	0.07	1.13	0.287	1.00	11.57	0.001	-0.01	10.52	0.001	NonUniform
20	MC	7019	3401	0.09	3.81	0.051	0.41	3.37	0.067	0.00	2.20	0.138	
21	MC	7019	3401	0.23	8.53	0.003	0.91	8.46	0.004	-0.01	5.01	0.025	Uniform>
22	MC	7019	3401	0.05	1.19	0.276	0.03	0.02	0.901	0.00	0.01	0.914	
23	MC	7019	3401	0.09	4.53	0.033	0.27	1.59	0.207	0.00	0.70	0.402	
24	MC	7019	3401	0.05	1.11	0.292	0.31	1.55	0.214	0.00	1.14	0.285	
25	MC	7019	3401	0.05	0.76	0.385	0.56	4.76	0.029	-0.01	4.16	0.041	
26	MC	7019	3401	0.06	1.41	0.235	0.80	8.74	0.003	-0.01	7.74	0.005	NonUniform
27	MC	7019	3401	0.08	2.45	0.118	0.27	1.21	0.270	0.00	0.65	0.420	
28	MC	7019	3401	0.15	10.36	0.001	1.13	20.84	0.000	-0.01	16.17	0.000	NonUniform
29	MC	7019	3401	0.06	1.35	0.245	0.29	1.18	0.276	0.00	0.77	0.381	
30	MC	7019	3401	0.12	6.49	0.011	0.00	0.00	0.998	0.00	0.23	0.632	
31	MC	7019	3401	0.07	2.25	0.134	0.15	0.42	0.518	0.00	0.14	0.711	
32	MC	7019	3401	0.04	0.75	0.386	-0.35	2.20	0.138	0.00	2.82	0.093	
33	MC	7019	3401	0.03	0.38	0.536	0.49	4.02	0.045	0.00	3.70	0.054	
34	MC	7019	3401	0.15	9.65	0.002	0.30	1.41	0.236	0.00	0.39	0.531	Uniform>
35	MC	7019	3401	0.10	4.72	0.030	-0.34	2.08	0.149	0.00	3.62	0.057	
36	MC	7019	3401	-0.01	0.02	0.900	-0.09	0.15	0.696	0.00	0.14	0.709	
37	MC	7019	3401	0.03	0.45	0.504	0.51	5.45	0.020	0.00	5.06	0.024	
56	SA1	7019	3401	-0.06	2.02	0.155	-0.40	3.92	0.048	0.00	2.93	0.087	
57	SA1	7019	3401	0.17	13.40	0.000	0.24	0.77	0.382	0.00	0.06	0.807	Uniform>
58	SA1	7019	3401	0.14	9.18	0.002	0.28	1.04	0.308	0.00	0.26	0.607	Uniform>

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.160: Logistic Regression DIF Results on Stage III Reading Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	199	3401	0.26	1.24	0.265	-0.70	0.51	0.474	0.01	0.99	0.319	
16	MC	199	3401	0.47	9.28	0.002	0.31	0.17	0.682	0.00	0.04	0.835	Uniform>
17	MC	199	3401	-0.01	0.00	0.944	0.02	0.00	0.981	0.00	0.00	0.968	
18	MC	199	3401	0.23	1.81	0.178	1.04	1.77	0.184	-0.01	1.14	0.286	
19	MC	199	3401	0.06	0.08	0.771	1.08	1.27	0.260	-0.01	1.20	0.273	
20	MC	199	3401	0.64	15.79	0.000	-0.18	0.05	0.821	0.01	1.08	0.298	Uniform>
21	MC	199	3401	0.35	1.45	0.229	1.68	2.46	0.117	-0.02	1.73	0.189	
22	MC	199	3401	0.16	1.16	0.282	-0.73	1.03	0.311	0.01	1.61	0.204	
23	MC	199	3401	0.51	9.87	0.002	-0.27	0.12	0.731	0.01	1.05	0.306	Uniform>
24	MC	199	3401	0.10	0.36	0.546	2.78	16.22	0.000	-0.03	15.72	0.000	NonUniform
25	MC	199	3401	0.08	0.16	0.691	0.49	0.32	0.570	0.00	0.24	0.622	
26	MC	199	3401	-0.59	11.48	0.001	0.02	0.00	0.980	-0.01	0.46	0.499	Uniform<
27	MC	199	3401	0.41	5.24	0.022	1.01	1.57	0.210	-0.01	0.59	0.442	
28	MC	199	3401	0.16	0.86	0.353	2.05	7.60	0.006	-0.02	6.86	0.009	NonUniform
29	MC	199	3401	-0.06	0.10	0.748	0.09	0.01	0.925	0.00	0.03	0.870	
30	MC	199	3401	0.27	2.86	0.091	-0.03	0.00	0.973	0.00	0.13	0.718	
31	MC	199	3401	0.40	6.48	0.011	-0.07	0.01	0.928	0.00	0.35	0.552	
32	MC	199	3401	0.09	0.35	0.552	1.14	2.51	0.113	-0.01	2.19	0.138	
33	MC	199	3401	-0.42	6.88	0.009	1.16	2.28	0.131	-0.02	4.39	0.036	Uniform<
34	MC	199	3401	0.20	1.48	0.224	0.90	1.27	0.260	-0.01	0.80	0.371	
35	MC	199	3401	-0.01	0.00	0.945	-1.71	3.52	0.061	0.02	3.68	0.055	
36	MC	199	3401	-0.02	0.02	0.894	-0.30	0.14	0.708	0.00	0.13	0.722	
37	MC	199	3401	-0.26	2.54	0.111	0.58	0.60	0.438	-0.01	1.29	0.256	
56	SA1	199	3401	-0.50	10.98	0.001	-0.56	0.63	0.426	0.00	0.01	0.925	Uniform<
57	SA1	199	3401	0.27	2.66	0.103	-0.35	0.14	0.707	0.01	0.45	0.503	
58	SA1	199	3401	0.18	1.23	0.268	0.30	0.11	0.746	0.00	0.02	0.899	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.161: Logistic Regression DIF Results on Stage III Reading Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	21731	2714	-0.02	0.08	0.774	-0.15	0.46	0.499	0.00	0.39	0.534	
16	MC	21731	2714	0.02	0.19	0.666	0.28	1.47	0.226	0.00	1.33	0.250	
17	MC	21731	2714	-0.05	1.01	0.316	0.68	10.96	0.001	-0.01	13.13	0.000	NonUniform
18	MC	21731	2714	-0.16	11.91	0.001	0.19	0.68	0.410	0.00	2.38	0.123	Uniform<
19	MC	21731	2714	0.02	0.11	0.735	0.62	4.90	0.027	-0.01	4.79	0.029	
20	MC	21731	2714	0.05	1.10	0.294	0.16	0.55	0.457	0.00	0.29	0.588	
21	MC	21731	2714	0.11	2.13	0.144	0.13	0.23	0.635	0.00	0.00	0.948	
22	MC	21731	2714	-0.03	0.49	0.482	0.21	1.20	0.274	0.00	1.65	0.199	
23	MC	21731	2714	-0.08	3.16	0.075	-0.18	0.84	0.358	0.00	0.29	0.592	
24	MC	21731	2714	0.01	0.10	0.750	-0.03	0.01	0.905	0.00	0.03	0.854	
25	MC	21731	2714	0.08	2.21	0.137	-0.27	1.40	0.237	0.00	2.49	0.115	
26	MC	21731	2714	0.03	0.46	0.499	0.30	1.36	0.244	0.00	1.10	0.293	
27	MC	21731	2714	0.09	3.46	0.063	0.36	2.31	0.129	0.00	1.36	0.243	
28	MC	21731	2714	0.03	0.39	0.535	0.16	0.47	0.492	0.00	0.33	0.568	
29	MC	21731	2714	-0.04	0.50	0.481	0.03	0.02	0.895	0.00	0.08	0.776	
30	MC	21731	2714	-0.05	1.34	0.247	0.53	4.88	0.027	-0.01	6.10	0.013	
31	MC	21731	2714	-0.08	3.14	0.076	-0.15	0.48	0.488	0.00	0.12	0.731	
32	MC	21731	2714	-0.09	3.93	0.047	0.18	0.65	0.420	0.00	1.49	0.223	
33	MC	21731	2714	0.00	0.00	0.968	-0.12	0.29	0.590	0.00	0.29	0.588	
34	MC	21731	2714	0.01	0.06	0.803	0.25	1.07	0.302	0.00	1.01	0.315	
35	MC	21731	2714	-0.02	0.27	0.606	0.31	1.89	0.170	0.00	2.28	0.131	
36	MC	21731	2714	0.03	0.45	0.502	0.33	2.30	0.130	0.00	1.99	0.158	
37	MC	21731	2714	0.01	0.09	0.761	0.11	0.31	0.580	0.00	0.25	0.616	
56	SA1	21731	2714	0.03	0.39	0.531	0.13	0.46	0.499	0.00	0.30	0.584	
57	SA1	21731	2714	-0.19	17.85	0.000	0.23	0.81	0.368	0.00	2.84	0.092	Uniform<
58	SA1	21731	2714	-0.20	18.94	0.000	-0.24	0.90	0.344	0.00	0.03	0.871	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.162: Logistic Regression DIF Results on Stage III Writing Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	11142	14167	0.05	3.10	0.078	-0.28	3.48	0.062	0.00	4.96	0.026	
39	MC	11142	14167	0.35	172.83	0.000	-0.09	0.53	0.467	0.00	12.82	0.000	NonUniform
40	MC	11142	14167	-0.13	17.25	0.000	-0.58	16.82	0.000	0.00	10.55	0.001	NonUniform
41	MC	11142	14167	0.09	11.69	0.001	0.04	0.10	0.752	0.00	0.14	0.709	Uniform>
42	MC	11142	14167	0.17	38.67	0.000	0.11	0.68	0.410	0.00	0.21	0.651	Uniform>
43	MC	11142	14167	0.17	37.80	0.000	0.09	0.48	0.489	0.00	0.32	0.573	Uniform>
44	MC	11142	14167	0.11	10.60	0.001	0.20	1.97	0.160	0.00	0.43	0.514	Uniform>
45	MC	11142	14167	0.07	3.01	0.083	-0.08	0.20	0.658	0.00	0.74	0.389	
46	MC	11142	14167	0.05	2.78	0.096	-0.26	2.65	0.104	0.00	3.93	0.047	
47	MC	11142	14167	-0.01	0.06	0.802	-0.23	3.20	0.074	0.00	3.15	0.076	
48	MC	11142	14167	0.17	20.97	0.000	0.37	6.27	0.012	0.00	2.02	0.155	Uniform>
49	MC	11142	14167	-0.02	0.28	0.595	-0.22	2.50	0.114	0.00	2.26	0.133	
50	MC	11142	14167	0.02	0.53	0.467	0.13	1.01	0.315	0.00	0.74	0.390	
51	MC	11142	14167	-0.15	25.11	0.000	-0.29	4.08	0.043	0.00	1.02	0.312	Uniform<
52	MC	11142	14167	0.07	5.45	0.020	-0.07	0.29	0.591	0.00	1.08	0.298	
53	MC	11142	14167	-0.03	0.79	0.374	-0.38	6.41	0.011	0.00	5.76	0.016	
54	ER	11142	14167	0.36	176.03	0.000	0.13	1.32	0.250	0.00	4.80	0.029	Uniform>
55	ER	11142	14167	0.48	224.58	0.000	0.18	2.64	0.104	0.00	7.21	0.007	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.163: Logistic Regression DIF Results on Stage III Writing Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	21776	3562	-0.11	8.12	0.004	0.06	0.08	0.781	0.00	0.69	0.405	Uniform<
39	MC	21776	3562	-0.19	25.47	0.000	-0.09	0.28	0.594	0.00	0.36	0.548	Uniform<
40	MC	21776	3562	-0.17	14.35	0.000	0.25	1.81	0.178	0.00	5.35	0.021	Uniform<
41	MC	21776	3562	-0.29	54.06	0.000	0.55	7.85	0.005	-0.01	19.11	0.000	NonUniform
42	MC	21776	3562	-0.18	21.36	0.000	-0.55	10.10	0.001	0.00	4.90	0.027	Uniform<
43	MC	21776	3562	-0.10	6.38	0.012	-0.27	2.26	0.132	0.00	0.97	0.325	
44	MC	21776	3562	0.18	14.93	0.000	-0.64	12.46	0.000	0.01	21.76	0.000	NonUniform
45	MC	21776	3562	-0.34	33.89	0.000	-0.10	0.17	0.680	0.00	1.02	0.312	Uniform<
46	MC	21776	3562	-0.09	3.93	0.047	-0.44	4.25	0.039	0.00	2.85	0.091	
47	MC	21776	3562	-0.33	68.53	0.000	0.11	0.40	0.529	0.00	6.54	0.011	Uniform<
48	MC	21776	3562	0.20	15.54	0.000	-0.52	7.18	0.007	0.01	14.74	0.000	NonUniform
49	MC	21776	3562	0.03	0.38	0.537	-0.36	3.87	0.049	0.00	4.65	0.031	
50	MC	21776	3562	0.41	98.80	0.000	-0.89	28.61	0.000	0.01	64.47	0.000	NonUniform
51	MC	21776	3562	-0.06	1.83	0.176	-0.12	0.34	0.561	0.00	0.09	0.767	
52	MC	21776	3562	0.18	20.06	0.000	-0.18	0.90	0.342	0.00	3.84	0.050	Uniform>
53	MC	21776	3562	-0.05	1.13	0.288	-0.20	1.01	0.314	0.00	0.63	0.427	
54	ER	21776	3562	0.12	9.34	0.002	-0.23	2.45	0.117	0.00	5.94	0.015	Uniform>
55	ER	21776	3562	0.03	0.61	0.434	-0.16	1.16	0.281	0.00	1.86	0.173	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.164: Logistic Regression DIF Results on Stage III Writing Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	2628	22710	-0.02	0.27	0.603	-1.08	15.79	0.000	0.01	15.66	0.000	NonUniform
39	MC	2628	22710	0.27	37.80	0.000	-0.21	0.93	0.335	0.00	5.02	0.025	Uniform>
40	MC	2628	22710	0.02	0.16	0.688	0.54	5.47	0.019	-0.01	5.26	0.022	
41	MC	2628	22710	0.07	2.42	0.120	-0.46	3.77	0.052	0.01	5.17	0.023	
42	MC	2628	22710	0.15	12.21	0.000	0.06	0.07	0.792	0.00	0.19	0.664	Uniform>
43	MC	2628	22710	0.05	1.27	0.260	-0.09	0.15	0.695	0.00	0.39	0.533	
44	MC	2628	22710	-0.22	18.97	0.000	-0.23	0.96	0.327	0.00	0.00	0.964	Uniform<
45	MC	2628	22710	0.41	36.47	0.000	0.28	0.82	0.366	0.00	0.18	0.669	Uniform>
46	MC	2628	22710	0.07	1.88	0.171	-0.11	0.16	0.691	0.00	0.44	0.509	
47	MC	2628	22710	0.06	1.75	0.186	-0.22	1.05	0.305	0.00	1.75	0.186	
48	MC	2628	22710	-0.20	12.70	0.000	0.20	0.62	0.431	0.00	2.69	0.101	Uniform<
49	MC	2628	22710	0.06	1.90	0.168	-0.29	1.52	0.218	0.00	2.35	0.126	
50	MC	2628	22710	-0.47	106.83	0.000	0.68	10.55	0.001	-0.01	32.07	0.000	NonUniform
51	MC	2628	22710	0.17	11.38	0.001	0.02	0.01	0.920	0.00	0.34	0.561	Uniform>
52	MC	2628	22710	-0.05	1.06	0.303	-0.14	0.34	0.558	0.00	0.15	0.695	
53	MC	2628	22710	-0.01	0.02	0.880	-0.24	0.89	0.346	0.00	0.86	0.353	
54	ER	2628	22710	0.12	7.38	0.007	0.38	4.02	0.045	0.00	2.01	0.156	Uniform>
55	ER	2628	22710	0.26	24.95	0.000	0.57	8.28	0.004	0.00	2.67	0.102	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.165: Logistic Regression DIF Results on Stage III Writing Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	2598	22740	-0.10	4.11	0.043	0.37	2.59	0.107	0.00	4.38	0.036	
39	MC	2598	22740	-0.01	0.11	0.741	-0.28	2.08	0.149	0.00	1.97	0.160	
40	MC	2598	22740	0.09	3.36	0.067	0.20	0.98	0.321	0.00	0.30	0.585	
41	MC	2598	22740	0.01	0.06	0.809	0.56	7.87	0.005	-0.01	7.95	0.005	NonUniform
42	MC	2598	22740	-0.07	2.47	0.116	-0.02	0.01	0.914	0.00	0.06	0.799	
43	MC	2598	22740	0.03	0.48	0.491	0.01	0.00	0.958	0.00	0.01	0.917	
44	MC	2598	22740	-0.12	6.24	0.012	0.41	4.30	0.038	-0.01	7.71	0.005	NonUniform
45	MC	2598	22740	-0.09	2.61	0.106	-0.14	0.31	0.577	0.00	0.04	0.835	
46	MC	2598	22740	-0.12	6.33	0.012	0.47	4.34	0.037	-0.01	7.19	0.007	NonUniform
47	MC	2598	22740	0.08	3.59	0.058	0.37	3.89	0.048	0.00	2.45	0.118	
48	MC	2598	22740	-0.24	22.33	0.000	-0.76	11.43	0.001	0.01	5.59	0.018	Uniform<
49	MC	2598	22740	-0.11	5.97	0.015	0.44	4.89	0.027	-0.01	8.13	0.004	NonUniform
50	MC	2598	22740	-0.06	1.90	0.168	0.32	2.80	0.094	0.00	4.31	0.038	
51	MC	2598	22740	-0.06	1.73	0.189	0.29	1.84	0.175	0.00	2.87	0.090	
52	MC	2598	22740	-0.22	22.74	0.000	0.12	0.35	0.556	0.00	2.92	0.087	Uniform<
53	MC	2598	22740	-0.14	8.53	0.003	0.07	0.11	0.741	0.00	1.00	0.318	Uniform<
54	ER	2598	22740	-0.13	8.78	0.003	-0.24	1.98	0.159	0.00	0.44	0.505	Uniform<
55	ER	2598	22740	-0.21	18.69	0.000	0.03	0.03	0.858	0.00	1.91	0.167	Uniform<

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.166: Logistic Regression DIF Results on Stage III Writing Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	14918	10420	0.00	0.00	0.976	-0.15	0.93	0.335	0.00	0.97	0.324	
39	MC	14918	10420	-0.05	4.23	0.040	-0.10	0.61	0.434	0.00	0.12	0.725	
40	MC	14918	10420	-0.11	12.17	0.000	0.19	1.81	0.178	0.00	4.91	0.027	Uniform<
41	MC	14918	10420	-0.08	8.93	0.003	0.23	2.87	0.090	0.00	5.49	0.019	Uniform<
42	MC	14918	10420	-0.04	2.24	0.135	-0.23	3.22	0.073	0.00	2.30	0.129	
43	MC	14918	10420	-0.02	0.76	0.384	-0.07	0.31	0.577	0.00	0.15	0.698	
44	MC	14918	10420	0.12	12.60	0.000	-0.11	0.66	0.418	0.00	2.90	0.089	Uniform>
45	MC	14918	10420	-0.11	7.81	0.005	-0.01	0.01	0.934	0.00	0.33	0.565	Uniform<
46	MC	14918	10420	0.07	4.86	0.028	-0.16	1.08	0.298	0.00	2.24	0.134	
47	MC	14918	10420	-0.11	15.30	0.000	0.11	0.77	0.380	0.00	3.13	0.077	Uniform<
48	MC	14918	10420	0.07	4.15	0.042	-0.18	1.49	0.222	0.00	3.15	0.076	
49	MC	14918	10420	-0.01	0.03	0.852	-0.25	3.24	0.072	0.00	3.25	0.071	
50	MC	14918	10420	0.26	78.56	0.000	-0.39	8.94	0.003	0.01	26.79	0.000	NonUniform
51	MC	14918	10420	-0.08	7.07	0.008	-0.03	0.06	0.811	0.00	0.10	0.746	Uniform<
52	MC	14918	10420	0.07	5.70	0.017	-0.16	1.45	0.229	0.00	3.02	0.082	
53	MC	14918	10420	0.02	0.24	0.625	-0.24	2.70	0.100	0.00	3.19	0.074	
54	ER	14918	10420	0.10	13.81	0.000	0.07	0.37	0.541	0.00	0.10	0.748	Uniform>
55	ER	14918	10420	0.12	15.32	0.000	0.02	0.03	0.856	0.00	0.90	0.342	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.167: Logistic Regression DIF Results on Stage III Writing Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	14918	3401	0.14	10.86	0.001	0.37	2.24	0.134	0.00	0.89	0.346	Uniform>
39	MC	14918	3401	0.02	0.25	0.619	0.03	0.03	0.867	0.00	0.00	0.944	
40	MC	14918	3401	-0.11	5.85	0.016	-0.12	0.32	0.575	0.00	0.00	0.967	
41	MC	14918	3401	0.02	0.17	0.682	0.14	0.42	0.515	0.00	0.34	0.559	
42	MC	14918	3401	0.00	0.01	0.939	0.15	0.53	0.467	0.00	0.53	0.467	
43	MC	14918	3401	0.06	2.00	0.157	0.19	0.79	0.373	0.00	0.40	0.527	
44	MC	14918	3401	0.11	5.05	0.025	-0.03	0.01	0.903	0.00	0.39	0.531	
45	MC	14918	3401	-0.03	0.36	0.546	0.60	4.44	0.035	-0.01	5.15	0.023	
46	MC	14918	3401	0.23	26.34	0.000	0.07	0.08	0.772	0.00	0.43	0.514	Uniform>
47	MC	14918	3401	0.08	3.62	0.057	0.29	2.15	0.142	0.00	1.24	0.266	
48	MC	14918	3401	0.12	5.49	0.019	0.19	0.59	0.441	0.00	0.07	0.793	
49	MC	14918	3401	0.06	2.20	0.138	-0.10	0.21	0.645	0.00	0.59	0.443	
50	MC	14918	3401	0.35	63.56	0.000	-0.06	0.08	0.774	0.00	4.07	0.044	Uniform>
51	MC	14918	3401	-0.08	3.58	0.058	0.51	4.67	0.031	-0.01	6.58	0.010	
52	MC	14918	3401	0.09	4.60	0.032	-0.03	0.02	0.876	0.00	0.34	0.559	
53	MC	14918	3401	0.04	0.89	0.347	-0.10	0.20	0.653	0.00	0.42	0.518	
54	ER	14918	3401	0.01	0.04	0.839	-0.26	2.26	0.133	0.00	2.54	0.111	
55	ER	14918	3401	0.09	4.06	0.044	-0.39	4.55	0.033	0.01	7.45	0.006	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.168: Logistic Regression DIF Results on Stage III Writing Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	7019	3401	0.21	19.90	0.000	0.74	8.08	0.004	-0.01	4.36	0.037	Uniform>
39	MC	7019	3401	0.11	6.58	0.010	0.19	0.83	0.363	0.00	0.15	0.695	
40	MC	7019	3401	0.00	0.00	0.951	-0.42	3.21	0.073	0.00	3.31	0.069	
41	MC	7019	3401	0.15	10.83	0.001	-0.11	0.24	0.627	0.00	1.32	0.250	Uniform>
42	MC	7019	3401	0.07	2.26	0.132	0.54	5.87	0.015	0.00	4.71	0.030	
43	MC	7019	3401	0.12	7.47	0.006	0.38	2.79	0.095	0.00	1.34	0.247	Uniform>
44	MC	7019	3401	-0.02	0.09	0.764	0.11	0.23	0.629	0.00	0.32	0.572	
45	MC	7019	3401	0.12	3.28	0.070	0.83	7.47	0.006	-0.01	5.76	0.016	
46	MC	7019	3401	0.24	24.45	0.000	0.35	1.75	0.186	0.00	0.16	0.685	Uniform>
47	MC	7019	3401	0.28	38.84	0.000	0.27	1.61	0.204	0.00	0.00	0.983	Uniform>
48	MC	7019	3401	0.07	1.36	0.244	0.49	3.71	0.054	0.00	2.90	0.089	
49	MC	7019	3401	0.10	4.83	0.028	0.21	0.86	0.352	0.00	0.24	0.621	
50	MC	7019	3401	0.11	5.60	0.018	0.45	4.31	0.038	0.00	2.57	0.109	
51	MC	7019	3401	-0.01	0.01	0.911	0.74	8.78	0.003	-0.01	9.25	0.002	NonUniform
52	MC	7019	3401	0.03	0.51	0.477	0.19	0.65	0.419	0.00	0.46	0.497	
53	MC	7019	3401	0.04	0.67	0.413	0.20	0.63	0.428	0.00	0.41	0.522	
54	ER	7019	3401	-0.14	9.76	0.002	-0.47	6.13	0.013	0.00	3.24	0.072	Uniform<
55	ER	7019	3401	-0.03	0.34	0.562	-0.51	6.55	0.011	0.00	6.23	0.013	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.169: Logistic Regression DIF Results on Stage III Writing Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	199	3401	0.19	1.37	0.241	-1.71	2.72	0.099	0.02	3.49	0.062	
39	MC	199	3401	0.52	11.31	0.001	-0.02	0.00	0.981	0.01	0.56	0.452	Uniform>
40	MC	199	3401	0.19	1.18	0.278	-1.30	2.52	0.112	0.01	3.57	0.059	
41	MC	199	3401	0.09	0.30	0.584	-1.17	1.83	0.176	0.01	2.19	0.139	
42	MC	199	3401	0.08	0.25	0.616	0.65	0.80	0.373	-0.01	0.64	0.422	
43	MC	199	3401	0.32	4.13	0.042	-1.39	2.45	0.118	0.02	3.84	0.050	
44	MC	199	3401	-0.35	4.02	0.045	-0.14	0.03	0.860	0.00	0.07	0.786	
45	MC	199	3401	0.11	0.22	0.640	0.55	0.29	0.591	-0.01	0.20	0.655	
46	MC	199	3401	0.30	2.98	0.084	0.36	0.16	0.687	0.00	0.00	0.948	
47	MC	199	3401	0.60	13.40	0.000	0.26	0.12	0.726	0.00	0.21	0.649	Uniform>
48	MC	199	3401	-0.06	0.08	0.775	1.90	5.86	0.016	-0.02	6.85	0.009	NonUniform
49	MC	199	3401	0.30	3.11	0.078	0.33	0.18	0.671	0.00	0.00	0.960	
50	MC	199	3401	-0.52	10.91	0.001	1.77	7.24	0.007	-0.02	12.71	0.000	NonUniform
51	MC	199	3401	-0.05	0.09	0.767	1.96	6.84	0.009	-0.02	7.65	0.006	NonUniform
52	MC	199	3401	-0.15	0.92	0.338	-1.20	1.89	0.170	0.01	1.49	0.223	
53	MC	199	3401	-0.21	1.48	0.223	-0.88	0.95	0.331	0.01	0.57	0.449	
54	ER	199	3401	0.26	2.85	0.092	1.43	4.99	0.026	-0.01	3.56	0.059	
55	ER	199	3401	0.25	1.82	0.178	0.65	0.91	0.341	0.00	0.37	0.545	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.170: Logistic Regression DIF Results on Stage III Writing Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	21731	2714	-0.09	4.22	0.040	-0.17	0.50	0.481	0.00	0.10	0.749	
39	MC	21731	2714	0.00	0.01	0.925	0.11	0.28	0.597	0.00	0.32	0.575	
40	MC	21731	2714	-0.07	2.11	0.147	0.52	5.58	0.018	-0.01	7.78	0.005	NonUniform
41	MC	21731	2714	-0.08	2.93	0.087	0.43	3.67	0.055	0.00	5.31	0.021	
42	MC	21731	2714	-0.01	0.08	0.782	0.00	0.00	0.995	0.00	0.00	0.958	
43	MC	21731	2714	0.09	3.87	0.049	0.09	0.17	0.676	0.00	0.00	0.988	
44	MC	21731	2714	0.10	3.36	0.067	-0.32	2.30	0.130	0.00	4.14	0.042	
45	MC	21731	2714	-0.04	0.35	0.556	0.19	0.50	0.479	0.00	0.75	0.387	
46	MC	21731	2714	0.03	0.46	0.495	0.06	0.05	0.817	0.00	0.01	0.920	
47	MC	21731	2714	-0.09	4.60	0.032	0.43	4.45	0.035	-0.01	6.93	0.008	NonUniform
48	MC	21731	2714	0.15	6.48	0.011	-0.07	0.10	0.756	0.00	0.96	0.326	
49	MC	21731	2714	0.02	0.24	0.627	-0.10	0.20	0.656	0.00	0.32	0.574	
50	MC	21731	2714	0.30	40.57	0.000	0.29	1.95	0.162	0.00	0.00	0.956	Uniform>
51	MC	21731	2714	-0.02	0.25	0.620	0.21	0.85	0.358	0.00	1.09	0.296	
52	MC	21731	2714	0.07	2.56	0.110	-0.30	2.05	0.153	0.00	3.30	0.069	
53	MC	21731	2714	0.04	0.64	0.423	-0.04	0.03	0.866	0.00	0.12	0.727	
54	ER	21731	2714	0.16	13.51	0.000	-0.03	0.03	0.855	0.00	1.32	0.251	Uniform>
55	ER	21731	2714	0.00	0.00	0.967	-0.09	0.28	0.595	0.00	0.29	0.587	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.171: Logistic Regression DIF Results on Stage III Listening Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	11142	14167	0.02	0.25	0.619	-0.15	1.44	0.230	0.00	1.86	0.173	
2	MC	11142	14167	-0.20	44.51	0.000	-0.25	3.97	0.046	0.00	0.18	0.672	Uniform<
3	MC	11142	14167	-0.11	16.25	0.000	-0.07	0.26	0.610	0.00	0.14	0.713	Uniform<
4	MC	11142	14167	-0.02	0.61	0.433	0.29	5.59	0.018	0.00	6.82	0.009	NonUniform
5	MC	11142	14167	0.01	0.04	0.838	0.08	0.35	0.557	0.00	0.31	0.580	
6	MC	11142	14167	-0.27	85.30	0.000	-0.30	4.04	0.045	0.00	0.05	0.830	Uniform<
7	MC	11142	14167	-0.15	21.91	0.000	0.07	0.24	0.627	0.00	2.67	0.102	Uniform<
8	MC	11142	14167	-0.16	31.89	0.000	0.22	2.81	0.094	0.00	8.69	0.003	NonUniform
9	MC	11142	14167	-0.16	33.54	0.000	0.11	0.79	0.374	0.00	5.31	0.021	Uniform<
10	MC	11142	14167	-0.21	52.58	0.000	-0.07	0.25	0.619	0.00	0.93	0.334	Uniform<
11	MC	11142	14167	0.04	1.86	0.173	-0.02	0.02	0.877	0.00	0.21	0.643	
12	MC	11142	14167	-0.08	6.69	0.010	-0.07	0.28	0.599	0.00	0.01	0.940	Uniform<
13	MC	11142	14167	-0.12	19.01	0.000	-0.28	3.87	0.049	0.00	1.25	0.264	Uniform<
14	MC	11142	14167	-0.07	6.93	0.008	-0.03	0.06	0.811	0.00	0.11	0.740	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.172: Logistic Regression DIF Results on Stage III Listening Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	21776	3562	0.12	7.73	0.005	0.12	0.50	0.479	0.00	0.00	0.997	Uniform>
2	MC	21776	3562	-0.43	89.12	0.000	0.07	0.13	0.714	-0.01	8.09	0.004	NonUniform
3	MC	21776	3562	0.12	8.78	0.003	-0.22	1.52	0.217	0.00	3.83	0.050	Uniform>
4	MC	21776	3562	0.11	7.47	0.006	-0.34	4.26	0.039	0.00	7.87	0.005	NonUniform
5	MC	21776	3562	-0.01	0.03	0.857	0.50	6.20	0.013	-0.01	6.84	0.009	NonUniform
6	MC	21776	3562	-0.45	130.22	0.000	-0.06	0.09	0.768	0.00	4.33	0.037	Uniform<
7	MC	21776	3562	0.00	0.00	0.968	-0.03	0.02	0.879	0.00	0.02	0.884	
8	MC	21776	3562	0.05	1.40	0.237	0.01	0.00	0.950	0.00	0.04	0.838	
9	MC	21776	3562	-0.06	2.50	0.114	0.19	1.36	0.243	0.00	2.55	0.110	
10	MC	21776	3562	-0.06	2.23	0.136	-0.12	0.41	0.522	0.00	0.11	0.737	
11	MC	21776	3562	-0.10	6.23	0.013	-0.02	0.01	0.909	0.00	0.22	0.639	
12	MC	21776	3562	0.07	2.61	0.106	0.17	0.98	0.323	0.00	0.38	0.535	
13	MC	21776	3562	0.03	0.58	0.447	-0.39	4.23	0.040	0.00	5.16	0.023	
14	MC	21776	3562	0.02	0.29	0.591	-0.03	0.03	0.872	0.00	0.08	0.773	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.173: Logistic Regression DIF Results on Stage III Listening Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	2628	22710	-0.07	2.16	0.141	-0.47	4.33	0.038	0.00	3.22	0.073	
2	MC	2628	22710	0.24	21.86	0.000	-0.15	0.44	0.509	0.00	3.03	0.082	Uniform>
3	MC	2628	22710	-0.05	1.44	0.230	0.13	0.34	0.557	0.00	0.73	0.393	
4	MC	2628	22710	-0.14	9.57	0.002	-0.44	4.09	0.043	0.00	1.98	0.160	Uniform<
5	MC	2628	22710	0.26	16.96	0.000	0.14	0.30	0.587	0.00	0.21	0.651	Uniform>
6	MC	2628	22710	0.07	2.30	0.129	-0.22	0.84	0.358	0.00	1.51	0.219	
7	MC	2628	22710	-0.10	4.09	0.043	-0.32	1.89	0.169	0.00	0.92	0.337	
8	MC	2628	22710	-0.12	7.75	0.005	0.04	0.04	0.842	0.00	0.61	0.435	Uniform<
9	MC	2628	22710	0.18	15.06	0.000	0.11	0.29	0.588	0.00	0.11	0.745	Uniform>
10	MC	2628	22710	0.01	0.04	0.836	0.27	1.38	0.239	0.00	1.34	0.247	
11	MC	2628	22710	0.11	6.16	0.013	-0.18	0.66	0.415	0.00	1.83	0.176	
12	MC	2628	22710	-0.21	20.35	0.000	-0.35	2.62	0.106	0.00	0.46	0.499	Uniform<
13	MC	2628	22710	-0.17	14.17	0.000	-0.30	1.56	0.212	0.00	0.30	0.584	Uniform<
14	MC	2628	22710	-0.14	11.40	0.001	-0.19	0.79	0.375	0.00	0.04	0.834	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.174: Logistic Regression DIF Results on Stage III Listening Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	2598	22740	-0.20	17.30	0.000	-0.18	0.92	0.337	0.00	0.01	0.937	Uniform<
2	MC	2598	22740	0.15	10.38	0.001	0.54	8.25	0.004	0.00	4.55	0.033	Uniform>
3	MC	2598	22740	-0.08	2.93	0.087	0.23	1.39	0.239	0.00	2.64	0.104	
4	MC	2598	22740	0.04	0.73	0.394	-0.11	0.35	0.557	0.00	0.67	0.414	
5	MC	2598	22740	0.08	2.16	0.142	-0.08	0.14	0.713	0.00	0.57	0.451	
6	MC	2598	22740	0.03	0.34	0.559	0.33	2.31	0.128	0.00	2.01	0.156	
7	MC	2598	22740	0.05	1.16	0.281	-0.18	0.75	0.388	0.00	1.33	0.249	
8	MC	2598	22740	-0.05	1.08	0.299	-0.97	21.73	0.000	0.01	20.68	0.000	NonUniform
9	MC	2598	22740	0.07	2.64	0.104	-0.40	4.89	0.027	0.01	7.20	0.007	NonUniform
10	MC	2598	22740	0.12	6.71	0.010	0.07	0.10	0.753	0.00	0.07	0.796	Uniform>
11	MC	2598	22740	0.00	0.00	0.958	-0.16	0.73	0.392	0.00	0.75	0.386	
12	MC	2598	22740	0.05	1.29	0.256	-0.17	0.78	0.377	0.00	1.42	0.234	
13	MC	2598	22740	0.03	0.40	0.527	-0.13	0.37	0.543	0.00	0.58	0.446	
14	MC	2598	22740	0.17	14.73	0.000	0.17	0.86	0.354	0.00	0.00	0.988	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.175: Logistic Regression DIF Results on Stage III Listening Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	14918	10420	0.04	1.73	0.189	0.02	0.04	0.848	0.00	0.02	0.891	
2	MC	14918	10420	-0.21	46.52	0.000	0.03	0.05	0.815	0.00	3.74	0.053	Uniform<
3	MC	14918	10420	0.02	0.57	0.451	-0.15	1.24	0.265	0.00	1.72	0.190	
4	MC	14918	10420	0.01	0.17	0.680	-0.21	2.93	0.087	0.00	3.45	0.063	
5	MC	14918	10420	-0.03	0.50	0.481	0.35	5.88	0.015	0.00	7.26	0.007	NonUniform
6	MC	14918	10420	-0.32	124.16	0.000	-0.23	2.59	0.108	0.00	0.38	0.535	Uniform<
7	MC	14918	10420	-0.03	0.88	0.348	-0.21	2.47	0.116	0.00	1.92	0.165	
8	MC	14918	10420	-0.01	0.15	0.694	0.10	0.62	0.429	0.00	0.80	0.370	
9	MC	14918	10420	-0.04	2.40	0.121	-0.05	0.18	0.670	0.00	0.00	0.951	
10	MC	14918	10420	-0.01	0.07	0.797	-0.05	0.13	0.715	0.00	0.10	0.749	
11	MC	14918	10420	-0.05	3.07	0.080	-0.01	0.01	0.921	0.00	0.09	0.768	
12	MC	14918	10420	0.00	0.00	0.972	0.17	1.89	0.169	0.00	2.02	0.155	
13	MC	14918	10420	-0.02	0.54	0.461	-0.11	0.61	0.436	0.00	0.41	0.521	
14	MC	14918	10420	-0.03	1.36	0.244	-0.02	0.03	0.870	0.00	0.01	0.927	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.176: Logistic Regression DIF Results on Stage III Listening Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	14918	3401	0.08	3.26	0.071	0.33	2.54	0.111	0.00	1.49	0.222	
2	MC	14918	3401	-0.25	29.85	0.000	-0.13	0.38	0.535	0.00	0.36	0.548	Uniform<
3	MC	14918	3401	0.02	0.15	0.698	-0.10	0.24	0.627	0.00	0.33	0.563	
4	MC	14918	3401	-0.04	0.75	0.387	0.01	0.00	0.975	0.00	0.05	0.826	
5	MC	14918	3401	-0.04	0.56	0.452	-0.08	0.12	0.730	0.00	0.03	0.860	
6	MC	14918	3401	-0.27	40.81	0.000	-0.14	0.38	0.537	0.00	0.36	0.548	Uniform<
7	MC	14918	3401	-0.10	4.29	0.038	-0.11	0.25	0.617	0.00	0.00	0.961	
8	MC	14918	3401	0.01	0.02	0.879	0.24	1.34	0.248	0.00	1.32	0.251	
9	MC	14918	3401	-0.09	5.01	0.025	-0.47	6.06	0.014	0.00	4.10	0.043	
10	MC	14918	3401	0.00	0.00	0.950	0.46	4.16	0.041	0.00	4.26	0.039	
11	MC	14918	3401	-0.06	1.99	0.158	0.02	0.01	0.937	0.00	0.14	0.707	
12	MC	14918	3401	0.06	2.05	0.152	0.41	3.93	0.047	0.00	2.95	0.086	
13	MC	14918	3401	0.04	0.94	0.333	0.43	3.52	0.061	0.00	2.98	0.084	
14	MC	14918	3401	0.00	0.00	0.960	0.15	0.59	0.443	0.00	0.60	0.440	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.177: Logistic Regression DIF Results on Stage III Listening Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	7019	3401	0.06	1.48	0.224	0.41	3.52	0.061	0.00	2.68	0.102	
2	MC	7019	3401	-0.06	1.49	0.223	-0.21	0.95	0.331	0.00	0.51	0.477	
3	MC	7019	3401	-0.01	0.03	0.865	0.06	0.08	0.782	0.00	0.10	0.749	
4	MC	7019	3401	-0.07	2.46	0.117	0.29	1.80	0.179	0.00	2.98	0.084	
5	MC	7019	3401	-0.01	0.04	0.845	-0.58	5.31	0.021	0.01	5.44	0.020	
6	MC	7019	3401	0.07	2.48	0.115	0.14	0.36	0.549	0.00	0.09	0.764	
7	MC	7019	3401	-0.10	3.96	0.047	0.13	0.31	0.580	0.00	1.06	0.304	
8	MC	7019	3401	0.03	0.32	0.572	0.19	0.74	0.390	0.00	0.58	0.447	
9	MC	7019	3401	-0.07	2.60	0.107	-0.57	7.90	0.005	0.01	6.33	0.012	
10	MC	7019	3401	0.02	0.11	0.742	0.71	8.61	0.003	-0.01	8.56	0.003	NonUniform
11	MC	7019	3401	-0.01	0.09	0.758	0.04	0.03	0.862	0.00	0.06	0.806	
12	MC	7019	3401	0.10	4.02	0.045	0.32	2.15	0.142	0.00	1.11	0.293	
13	MC	7019	3401	0.09	4.04	0.045	0.75	9.55	0.002	-0.01	7.60	0.006	NonUniform
14	MC	7019	3401	0.05	1.29	0.256	0.24	1.30	0.254	0.00	0.86	0.354	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.178: Logistic Regression DIF Results on Stage III Listening Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	199	3401	0.07	0.16	0.686	-1.11	1.80	0.180	0.01	2.11	0.147	
2	MC	199	3401	0.15	0.65	0.421	-0.02	0.00	0.978	0.00	0.05	0.824	
3	MC	199	3401	0.06	0.13	0.721	-0.38	0.24	0.626	0.00	0.33	0.566	
4	MC	199	3401	-0.54	11.89	0.001	-1.98	5.74	0.017	0.01	3.16	0.075	Uniform<
5	MC	199	3401	-0.01	0.00	0.968	-0.82	0.82	0.366	0.01	0.83	0.362	
6	MC	199	3401	0.21	1.74	0.188	-0.47	0.33	0.567	0.01	0.71	0.399	
7	MC	199	3401	0.01	0.00	0.956	-1.11	1.59	0.207	0.01	1.67	0.196	
8	MC	199	3401	-0.25	2.64	0.104	-0.11	0.02	0.882	0.00	0.04	0.849	
9	MC	199	3401	-0.16	1.08	0.299	-0.93	1.74	0.188	0.01	1.24	0.266	
10	MC	199	3401	0.02	0.01	0.913	0.63	0.62	0.432	-0.01	0.61	0.436	
11	MC	199	3401	0.04	0.07	0.792	-0.71	0.83	0.361	0.01	0.97	0.324	
12	MC	199	3401	-0.25	2.42	0.120	0.07	0.01	0.922	0.00	0.20	0.651	
13	MC	199	3401	-0.09	0.28	0.596	0.54	0.45	0.502	-0.01	0.63	0.427	
14	MC	199	3401	-0.01	0.00	0.948	0.13	0.03	0.855	0.00	0.04	0.840	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.179: Logistic Regression DIF Results on Stage III Listening Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	21731	2714	0.06	1.24	0.265	0.21	1.09	0.295	0.00	0.63	0.428	
2	MC	21731	2714	-0.03	0.47	0.492	0.09	0.19	0.663	0.00	0.39	0.534	
3	MC	21731	2714	0.08	3.14	0.077	-0.01	0.00	0.958	0.00	0.21	0.648	
4	MC	21731	2714	0.02	0.15	0.702	0.17	0.74	0.390	0.00	0.63	0.428	
5	MC	21731	2714	0.01	0.01	0.917	0.07	0.09	0.759	0.00	0.08	0.772	
6	MC	21731	2714	-0.32	51.66	0.000	-0.10	0.21	0.648	0.00	1.02	0.312	Uniform<
7	MC	21731	2714	-0.11	4.09	0.043	-0.08	0.14	0.704	0.00	0.01	0.903	
8	MC	21731	2714	0.02	0.23	0.634	-0.04	0.05	0.831	0.00	0.11	0.745	
9	MC	21731	2714	-0.03	0.50	0.480	0.14	0.54	0.462	0.00	0.87	0.352	
10	MC	21731	2714	0.00	0.00	0.966	0.32	1.94	0.164	0.00	2.04	0.153	
11	MC	21731	2714	0.00	0.01	0.929	0.07	0.12	0.729	0.00	0.14	0.707	
12	MC	21731	2714	-0.12	6.38	0.012	0.06	0.09	0.763	0.00	0.87	0.350	
13	MC	21731	2714	0.03	0.36	0.550	0.09	0.15	0.695	0.00	0.08	0.783	
14	MC	21731	2714	-0.06	1.99	0.159	-0.04	0.04	0.845	0.00	0.01	0.906	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.180: Logistic Regression DIF Results on Stage III Speaking Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	11142	14167	0.16	41.62	0.000	-0.41	12.25	0.000	0.01	24.86	0.000	NonUniform
60	SA4	11142	14167	-0.11	4.00	0.045	-0.59	11.48	0.001	0.01	8.28	0.004	NonUniform
61	SA4	11142	14167	-0.18	38.05	0.000	-0.54	17.91	0.000	0.00	8.29	0.004	NonUniform
62	SA4	11142	14167	0.04	1.69	0.193	-0.34	6.98	0.008	0.00	9.30	0.002	NonUniform
63	SA4	11142	14167	-0.22	48.77	0.000	-0.52	16.18	0.000	0.00	5.61	0.018	Uniform<
64	SA4	11142	14167	-0.16	39.11	0.000	-0.34	9.29	0.002	0.00	2.71	0.100	Uniform<
65	SA4	11142	14167	0.01	0.26	0.608	-0.21	3.65	0.056	0.00	4.34	0.037	
66	SA4	11142	14167	-0.22	64.86	0.000	-0.25	4.33	0.037	0.00	0.07	0.798	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.181: Logistic Regression DIF Results on Stage III Speaking Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	21776	3562	0.15	17.13	0.000	0.33	4.16	0.041	0.00	1.29	0.257	Uniform>
60	SA4	21776	3562	-0.01	0.02	0.890	-0.27	1.39	0.238	0.00	1.42	0.234	
61	SA4	21776	3562	0.34	68.73	0.000	0.11	0.46	0.499	0.00	1.85	0.174	Uniform>
62	SA4	21776	3562	0.54	160.26	0.000	0.12	0.52	0.469	0.00	6.73	0.009	NonUniform
63	SA4	21776	3562	0.18	17.32	0.000	0.26	2.21	0.137	0.00	0.20	0.652	Uniform>
64	SA4	21776	3562	0.57	247.70	0.000	0.21	2.05	0.152	0.00	5.91	0.015	Uniform>
65	SA4	21776	3562	0.35	90.22	0.000	0.22	2.22	0.136	0.00	0.70	0.401	Uniform>
66	SA4	21776	3562	0.02	0.17	0.680	-0.17	1.08	0.299	0.00	1.37	0.241	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.182: Logistic Regression DIF Results on Stage III Speaking Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	2628	22710	-0.19	22.03	0.000	-0.27	1.79	0.181	0.00	0.15	0.694	Uniform<
60	SA4	2628	22710	0.14	2.19	0.139	0.46	1.97	0.161	0.00	1.07	0.300	
61	SA4	2628	22710	-0.09	3.67	0.055	0.17	0.60	0.438	0.00	1.49	0.222	
62	SA4	2628	22710	-0.39	61.70	0.000	0.04	0.03	0.856	0.00	4.10	0.043	Uniform<
63	SA4	2628	22710	0.04	0.63	0.426	0.90	16.65	0.000	-0.01	16.08	0.000	NonUniform
64	SA4	2628	22710	-0.32	59.32	0.000	-0.22	1.26	0.262	0.00	0.31	0.580	Uniform<
65	SA4	2628	22710	-0.28	44.54	0.000	0.37	3.95	0.047	-0.01	12.62	0.000	NonUniform
66	SA4	2628	22710	0.23	26.56	0.000	0.39	3.43	0.064	0.00	0.62	0.431	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.183: Logistic Regression DIF Results on Stage III Speaking Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	2598	22740	0.02	0.31	0.576	0.65	14.05	0.000	-0.01	13.91	0.000	NonUniform
60	SA4	2598	22740	0.66	59.39	0.000	1.16	14.26	0.000	-0.01	2.94	0.086	Uniform>
61	SA4	2598	22740	0.16	12.35	0.000	1.22	44.69	0.000	-0.01	36.65	0.000	NonUniform
62	SA4	2598	22740	0.19	15.81	0.000	0.84	19.20	0.000	-0.01	12.33	0.000	NonUniform
63	SA4	2598	22740	0.53	107.76	0.000	1.35	47.38	0.000	-0.01	19.10	0.000	NonUniform
64	SA4	2598	22740	0.31	53.19	0.000	0.69	16.27	0.000	0.00	5.28	0.022	Uniform>
65	SA4	2598	22740	0.26	39.11	0.000	0.65	14.83	0.000	0.00	5.58	0.018	Uniform>
66	SA4	2598	22740	-0.16	13.82	0.000	0.22	1.62	0.203	0.00	5.17	0.023	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.184: Logistic Regression DIF Results on Stage III Speaking Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	14918	10420	-0.01	0.10	0.754	0.17	2.22	0.136	0.00	2.54	0.111	
60	SA4	14918	10420	0.07	1.83	0.176	0.14	0.68	0.411	0.00	0.18	0.671	
61	SA4	14918	10420	0.01	0.23	0.631	0.12	0.88	0.347	0.00	0.72	0.396	
62	SA4	14918	10420	0.28	77.01	0.000	-0.14	1.26	0.262	0.00	11.69	0.001	NonUniform
63	SA4	14918	10420	0.02	0.34	0.559	0.05	0.14	0.711	0.00	0.05	0.818	
64	SA4	14918	10420	0.37	202.79	0.000	0.10	0.86	0.354	0.00	6.11	0.013	Uniform>
65	SA4	14918	10420	0.14	26.50	0.000	0.02	0.02	0.881	0.00	1.22	0.270	Uniform>
66	SA4	14918	10420	-0.18	44.39	0.000	-0.15	1.52	0.217	0.00	0.09	0.761	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.185: Logistic Regression DIF Results on Stage III Speaking Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	14918	3401	-0.09	5.94	0.015	-0.16	0.69	0.408	0.00	0.12	0.730	
60	SA4	14918	3401	-0.12	2.13	0.144	-0.73	5.27	0.022	0.01	3.94	0.047	
61	SA4	14918	3401	-0.19	17.80	0.000	-0.45	4.85	0.028	0.00	1.75	0.186	Uniform<
62	SA4	14918	3401	0.07	2.01	0.156	-0.76	13.01	0.000	0.01	16.42	0.000	NonUniform
63	SA4	14918	3401	-0.21	17.84	0.000	-0.73	11.87	0.001	0.01	6.41	0.011	Uniform<
64	SA4	14918	3401	0.21	28.92	0.000	-0.25	1.93	0.165	0.00	6.81	0.009	NonUniform
65	SA4	14918	3401	-0.01	0.02	0.882	-0.41	5.13	0.024	0.00	5.23	0.022	
66	SA4	14918	3401	-0.37	80.73	0.000	-0.99	24.20	0.000	0.01	9.84	0.002	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.186: Logistic Regression DIF Results on Stage III Speaking Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	7019	3401	-0.12	8.46	0.004	-0.43	4.62	0.032	0.00	2.48	0.116	Uniform<
60	SA4	7019	3401	-0.27	8.65	0.003	-1.05	10.28	0.001	0.01	6.25	0.012	Uniform<
61	SA4	7019	3401	-0.29	35.71	0.000	-0.74	11.42	0.001	0.00	4.40	0.036	Uniform<
62	SA4	7019	3401	-0.32	37.20	0.000	-0.83	13.81	0.000	0.01	5.55	0.018	Uniform<
63	SA4	7019	3401	-0.33	37.87	0.000	-1.04	21.14	0.000	0.01	10.38	0.001	NonUniform
64	SA4	7019	3401	-0.25	33.84	0.000	-0.52	7.37	0.007	0.00	2.17	0.141	Uniform<
65	SA4	7019	3401	-0.21	23.08	0.000	-0.57	8.95	0.003	0.00	3.83	0.050	Uniform<
66	SA4	7019	3401	-0.27	34.71	0.000	-1.03	24.04	0.000	0.01	13.91	0.000	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.187: Logistic Regression DIF Results on Stage III Speaking Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	199	3401	-0.48	10.84	0.001	-1.65	5.32	0.021	0.01	2.81	0.094	Uniform<
60	SA4	199	3401	-0.19	0.43	0.513	-1.06	0.97	0.325	0.01	0.67	0.413	
61	SA4	199	3401	-0.77	24.78	0.000	-0.34	0.25	0.617	0.00	0.41	0.523	Uniform<
62	SA4	199	3401	-1.00	41.47	0.000	-1.75	5.97	0.015	0.01	1.12	0.289	Uniform<
63	SA4	199	3401	0.25	1.52	0.217	0.27	0.11	0.735	0.00	0.00	0.974	
64	SA4	199	3401	-0.33	5.26	0.022	-0.94	2.06	0.151	0.01	0.91	0.341	
65	SA4	199	3401	-0.33	5.11	0.024	-0.49	0.58	0.445	0.00	0.07	0.793	
66	SA4	199	3401	0.15	0.89	0.344	-0.21	0.09	0.768	0.00	0.27	0.606	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.188: Logistic Regression DIF Results on Stage III Speaking Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	21731	2714	-0.05	1.25	0.263	-0.40	4.81	0.028	0.00	3.95	0.047	
60	SA4	21731	2714	-0.04	0.25	0.621	0.11	0.17	0.678	0.00	0.35	0.553	
61	SA4	21731	2714	-0.19	15.47	0.000	-0.31	2.43	0.119	0.00	0.38	0.540	Uniform<
62	SA4	21731	2714	0.08	2.20	0.138	-0.37	3.36	0.067	0.00	5.31	0.021	
63	SA4	21731	2714	-0.03	0.30	0.581	-0.27	1.80	0.180	0.00	1.53	0.217	
64	SA4	21731	2714	0.25	36.03	0.000	-0.17	0.96	0.328	0.00	6.19	0.013	Uniform>
65	SA4	21731	2714	-0.01	0.07	0.792	-0.26	2.25	0.134	0.00	2.18	0.140	
66	SA4	21731	2714	-0.21	21.63	0.000	-0.37	3.85	0.050	0.00	0.80	0.370	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.189: Logistic Regression DIF Results on Stage IV Reading Items for the Male/Female Comparison

Focal Group: Male; Reference Group: Female													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	4332	6225	0.40	26.54	0.000	0.34	1.62	0.203	0.00	0.06	0.806	Uniform>
16	MC	4332	6225	0.20	21.77	0.000	0.26	1.78	0.182	0.00	0.09	0.762	Uniform>
17	MC	4332	6225	0.09	1.73	0.188	0.06	0.05	0.817	0.00	0.01	0.918	
18	MC	4332	6225	-0.07	1.17	0.279	0.24	0.99	0.319	0.00	1.73	0.188	
19	MC	4332	6225	0.25	8.05	0.005	0.48	2.25	0.134	0.00	0.57	0.449	Uniform>
20	MC	4332	6225	0.20	22.78	0.000	-0.05	0.05	0.824	0.00	1.40	0.236	Uniform>
21	MC	4332	6225	0.24	27.22	0.000	0.21	0.99	0.320	0.00	0.01	0.905	Uniform>
22	MC	4332	6225	0.36	60.64	0.000	0.12	0.25	0.616	0.00	1.18	0.277	Uniform>
23	MC	4332	6225	0.25	35.17	0.000	-0.20	1.01	0.315	0.00	5.18	0.023	Uniform>
24	MC	4332	6225	0.00	0.00	0.946	0.88	12.24	0.000	-0.01	12.97	0.000	NonUniform
25	MC	4332	6225	0.08	3.39	0.065	0.19	0.78	0.377	0.00	0.28	0.598	
26	MC	4332	6225	0.04	0.97	0.325	0.57	8.05	0.005	-0.01	7.23	0.007	NonUniform
27	MC	4332	6225	-0.26	33.05	0.000	-0.35	2.23	0.135	0.00	0.16	0.690	Uniform<
28	MC	4332	6225	-0.08	3.05	0.081	-0.31	1.55	0.214	0.00	0.86	0.355	
29	MC	4332	6225	-0.26	38.33	0.000	0.22	1.32	0.251	0.00	6.33	0.012	Uniform<
30	MC	4332	6225	-0.40	83.94	0.000	0.09	0.16	0.687	-0.01	5.18	0.023	Uniform<
31	MC	4332	6225	-0.17	15.24	0.000	0.11	0.22	0.637	0.00	1.56	0.212	Uniform<
32	MC	4332	6225	0.16	12.00	0.001	0.84	14.39	0.000	-0.01	9.89	0.002	NonUniform
33	MC	4332	6225	-0.11	6.64	0.010	0.03	0.02	0.895	0.00	0.46	0.497	Uniform<
34	MC	4332	6225	0.06	2.09	0.149	0.10	0.27	0.603	0.00	0.05	0.831	
35	MC	4332	6225	0.00	0.00	0.984	0.54	7.24	0.007	-0.01	7.53	0.006	NonUniform
36	MC	4332	6225	-0.02	0.20	0.654	0.38	3.55	0.059	0.00	4.10	0.043	
37	MC	4332	6225	-0.52	143.71	0.000	0.31	2.09	0.149	-0.01	15.75	0.000	NonUniform
38	MC	4332	6225	0.21	16.60	0.000	0.09	0.16	0.690	0.00	0.36	0.548	Uniform>
39	MC	4332	6225	0.15	13.51	0.000	0.15	0.58	0.448	0.00	0.00	0.971	Uniform>
40	MC	4332	6225	0.08	3.25	0.071	0.09	0.22	0.640	0.00	0.01	0.939	
61	SA1	4332	6225	-0.41	83.08	0.000	-0.70	7.83	0.005	0.00	1.35	0.245	Uniform<
62	SA1	4332	6225	0.11	5.82	0.016	0.13	0.22	0.640	0.00	0.00	0.958	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.190: Logistic Regression DIF Results on Stage IV Reading Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	8609	1960	0.23	6.55	0.010	0.75	5.27	0.022	-0.01	2.71	0.099	
16	MC	8609	1960	-0.03	0.24	0.621	0.07	0.09	0.768	0.00	0.18	0.674	
17	MC	8609	1960	-0.07	0.86	0.355	0.03	0.01	0.934	0.00	0.11	0.743	
18	MC	8609	1960	-0.01	0.02	0.889	-0.33	1.30	0.255	0.00	1.31	0.252	
19	MC	8609	1960	-0.06	0.37	0.544	-0.34	0.79	0.375	0.00	0.57	0.452	
20	MC	8609	1960	-0.05	0.95	0.329	0.21	0.65	0.419	0.00	1.06	0.303	
21	MC	8609	1960	-0.02	0.10	0.754	0.21	0.62	0.430	0.00	0.77	0.380	
22	MC	8609	1960	-0.11	3.33	0.068	-0.19	0.47	0.494	0.00	0.09	0.761	
23	MC	8609	1960	-0.03	0.24	0.622	0.47	3.54	0.060	0.00	4.15	0.042	
24	MC	8609	1960	-0.10	1.85	0.174	-0.04	0.02	0.894	0.00	0.03	0.860	
25	MC	8609	1960	0.13	5.87	0.015	-0.36	2.00	0.157	0.00	3.90	0.048	
26	MC	8609	1960	0.02	0.08	0.776	-0.19	0.63	0.428	0.00	0.77	0.380	
27	MC	8609	1960	-0.06	1.25	0.264	0.11	0.15	0.699	0.00	0.39	0.531	
28	MC	8609	1960	-0.17	7.97	0.005	0.34	1.36	0.243	0.00	3.16	0.076	Uniform<
29	MC	8609	1960	-0.03	0.25	0.615	0.96	15.05	0.000	-0.01	16.70	0.000	NonUniform
30	MC	8609	1960	-0.12	4.34	0.037	0.14	0.26	0.613	0.00	0.92	0.337	
31	MC	8609	1960	-0.16	8.45	0.004	0.39	2.02	0.156	-0.01	4.17	0.041	Uniform<
32	MC	8609	1960	-0.06	1.05	0.305	0.15	0.31	0.576	0.00	0.63	0.427	
33	MC	8609	1960	0.24	19.30	0.000	-0.02	0.01	0.930	0.00	1.16	0.282	Uniform>
34	MC	8609	1960	-0.05	0.89	0.347	0.19	0.65	0.421	0.00	1.09	0.296	
35	MC	8609	1960	-0.18	11.93	0.001	-0.15	0.40	0.526	0.00	0.01	0.905	Uniform<
36	MC	8609	1960	0.06	1.37	0.242	0.15	0.39	0.533	0.00	0.14	0.709	
37	MC	8609	1960	-0.10	3.51	0.061	-0.49	3.96	0.047	0.00	2.61	0.106	
38	MC	8609	1960	-0.08	1.54	0.214	-0.42	2.65	0.103	0.00	1.83	0.177	
39	MC	8609	1960	0.06	1.36	0.244	0.83	11.58	0.001	-0.01	10.51	0.001	NonUniform
40	MC	8609	1960	-0.20	13.92	0.000	0.04	0.03	0.871	0.00	1.08	0.298	Uniform<
61	SA1	8609	1960	-0.07	1.74	0.187	-0.05	0.03	0.861	0.00	0.01	0.932	
62	SA1	8609	1960	-0.19	10.35	0.001	-0.30	0.90	0.344	0.00	0.13	0.720	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.191: Logistic Regression DIF Results on Stage IV Reading Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1262	9307	-0.28	6.62	0.010	-2.35	20.19	0.000	0.03	15.84	0.000	NonUniform
16	MC	1262	9307	0.01	0.02	0.897	-0.62	3.58	0.059	0.01	3.81	0.051	
17	MC	1262	9307	0.09	0.89	0.345	-0.41	0.78	0.377	0.01	1.23	0.267	
18	MC	1262	9307	0.41	15.77	0.000	-0.43	0.87	0.351	0.01	3.42	0.064	Uniform>
19	MC	1262	9307	0.28	3.89	0.049	-0.20	0.11	0.739	0.01	0.66	0.417	
20	MC	1262	9307	-0.12	3.31	0.069	-0.84	5.32	0.021	0.01	4.10	0.043	
21	MC	1262	9307	0.00	0.00	0.950	-0.28	0.62	0.432	0.00	0.66	0.417	
22	MC	1262	9307	-0.06	0.75	0.387	-0.23	0.38	0.540	0.00	0.21	0.643	
23	MC	1262	9307	-0.02	0.13	0.718	-0.68	4.02	0.045	0.01	3.91	0.048	
24	MC	1262	9307	0.22	6.27	0.012	-0.01	0.00	0.988	0.00	0.27	0.600	
25	MC	1262	9307	-0.24	13.35	0.000	0.12	0.13	0.717	0.00	1.15	0.285	Uniform<
26	MC	1262	9307	-0.25	15.31	0.000	-1.06	9.11	0.003	0.01	5.57	0.018	Uniform<
27	MC	1262	9307	-0.08	1.57	0.210	0.05	0.02	0.895	0.00	0.14	0.711	
28	MC	1262	9307	-0.05	0.41	0.522	-1.31	9.64	0.002	0.01	9.40	0.002	NonUniform
29	MC	1262	9307	-0.11	2.99	0.084	-1.02	9.17	0.002	0.01	7.64	0.006	NonUniform
30	MC	1262	9307	0.25	14.36	0.000	-0.48	1.72	0.190	0.01	4.12	0.042	Uniform>
31	MC	1262	9307	-0.11	2.94	0.086	-1.56	14.96	0.000	0.01	13.39	0.000	NonUniform
32	MC	1262	9307	-0.18	7.36	0.007	-0.78	4.33	0.037	0.01	2.64	0.104	Uniform<
33	MC	1262	9307	-0.15	5.46	0.019	-0.36	1.12	0.290	0.00	0.39	0.530	
34	MC	1262	9307	0.08	1.48	0.223	-0.19	0.34	0.557	0.00	0.71	0.398	
35	MC	1262	9307	-0.17	6.97	0.008	-0.29	0.73	0.394	0.00	0.13	0.717	Uniform<
36	MC	1262	9307	-0.22	11.51	0.001	0.25	0.54	0.460	0.00	2.07	0.150	Uniform<
37	MC	1262	9307	0.14	5.00	0.025	-0.39	1.25	0.264	0.01	2.43	0.119	
38	MC	1262	9307	0.07	0.79	0.373	0.16	0.19	0.661	0.00	0.06	0.802	
39	MC	1262	9307	-0.14	4.76	0.029	-0.95	7.98	0.005	0.01	6.08	0.014	
40	MC	1262	9307	-0.17	6.52	0.011	0.18	0.31	0.576	0.00	1.20	0.272	
61	SA1	1262	9307	0.20	8.80	0.003	0.70	3.91	0.048	0.00	2.10	0.147	Uniform>
62	SA1	1262	9307	0.23	11.24	0.001	0.08	0.03	0.852	0.00	0.14	0.704	Uniform>

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.192: Logistic Regression DIF Results on Stage IV Reading Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1249	9320	-0.43	20.79	0.000	-2.01	19.52	0.000	0.02	12.34	0.000	NonUniform
16	MC	1249	9320	-0.19	8.78	0.003	-1.06	10.48	0.001	0.01	7.37	0.007	NonUniform
17	MC	1249	9320	-0.29	11.81	0.001	-1.23	8.30	0.004	0.01	5.05	0.025	Uniform<
18	MC	1249	9320	0.07	0.70	0.403	-0.14	0.12	0.730	0.00	0.29	0.591	
19	MC	1249	9320	-0.04	0.14	0.710	-0.62	1.35	0.245	0.01	1.22	0.269	
20	MC	1249	9320	0.01	0.02	0.878	0.35	1.13	0.288	0.00	1.10	0.293	
21	MC	1249	9320	0.08	1.30	0.253	-0.17	0.26	0.607	0.00	0.57	0.452	
22	MC	1249	9320	-0.13	3.56	0.059	-0.29	0.64	0.422	0.00	0.21	0.643	
23	MC	1249	9320	-0.09	1.67	0.196	0.12	0.14	0.713	0.00	0.41	0.521	
24	MC	1249	9320	-0.16	4.29	0.038	-1.67	14.60	0.000	0.02	12.31	0.000	NonUniform
25	MC	1249	9320	-0.16	5.68	0.017	-0.55	2.44	0.118	0.00	1.29	0.257	
26	MC	1249	9320	-0.18	8.35	0.004	0.26	0.65	0.419	0.00	2.01	0.156	Uniform<
27	MC	1249	9320	-0.06	0.76	0.384	0.92	6.80	0.009	-0.01	7.97	0.005	NonUniform
28	MC	1249	9320	-0.09	1.34	0.246	0.35	0.79	0.375	0.00	1.29	0.256	
29	MC	1249	9320	-0.25	15.56	0.000	-0.87	6.90	0.009	0.01	3.62	0.057	Uniform<
30	MC	1249	9320	-0.10	2.16	0.141	0.53	2.59	0.108	-0.01	3.75	0.053	
31	MC	1249	9320	-0.01	0.05	0.829	0.03	0.01	0.934	0.00	0.02	0.899	
32	MC	1249	9320	-0.37	30.95	0.000	-1.36	12.93	0.000	0.01	7.12	0.008	NonUniform
33	MC	1249	9320	0.06	1.00	0.317	-0.19	0.33	0.568	0.00	0.62	0.432	
34	MC	1249	9320	0.08	1.40	0.237	-0.34	1.15	0.284	0.00	1.80	0.179	
35	MC	1249	9320	0.07	1.27	0.260	-0.38	1.34	0.246	0.00	1.98	0.160	
36	MC	1249	9320	-0.18	6.62	0.010	-0.12	0.13	0.721	0.00	0.03	0.863	
37	MC	1249	9320	0.08	1.61	0.205	-0.02	0.01	0.942	0.00	0.11	0.745	
38	MC	1249	9320	-0.06	0.60	0.438	-0.53	2.02	0.155	0.01	1.66	0.197	
39	MC	1249	9320	0.04	0.36	0.550	-0.01	0.00	0.985	0.00	0.02	0.884	
40	MC	1249	9320	-0.11	2.51	0.113	0.88	8.18	0.004	-0.01	10.59	0.001	NonUniform
61	SA1	1249	9320	-0.37	23.97	0.000	-1.10	6.55	0.010	0.01	3.00	0.083	Uniform<
62	SA1	1249	9320	-0.39	21.73	0.000	-1.30	6.51	0.011	0.01	3.29	0.070	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.193: Logistic Regression DIF Results on Stage IV Reading Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	5583	4986	0.17	5.14	0.023	0.52	4.01	0.045	0.00	2.00	0.157	
16	MC	5583	4986	0.00	0.00	0.951	-0.12	0.43	0.510	0.00	0.48	0.490	
17	MC	5583	4986	0.10	2.32	0.128	0.14	0.29	0.587	0.00	0.03	0.866	
18	MC	5583	4986	-0.12	4.12	0.042	0.19	0.65	0.419	0.00	1.87	0.171	
19	MC	5583	4986	-0.15	3.44	0.064	-0.10	0.10	0.750	0.00	0.03	0.857	
20	MC	5583	4986	-0.03	0.62	0.433	-0.25	1.38	0.240	0.00	1.08	0.299	
21	MC	5583	4986	-0.05	1.26	0.262	0.17	0.67	0.412	0.00	1.17	0.279	
22	MC	5583	4986	-0.05	1.00	0.318	0.31	1.89	0.169	0.00	2.58	0.108	
23	MC	5583	4986	0.04	0.81	0.368	-0.07	0.11	0.737	0.00	0.29	0.592	
24	MC	5583	4986	-0.04	0.41	0.520	0.22	0.80	0.371	0.00	1.12	0.289	
25	MC	5583	4986	0.17	16.53	0.000	-0.02	0.01	0.919	0.00	0.88	0.349	Uniform>
26	MC	5583	4986	0.03	0.65	0.420	-0.06	0.09	0.764	0.00	0.23	0.632	
27	MC	5583	4986	0.03	0.33	0.566	0.12	0.30	0.585	0.00	0.20	0.658	
28	MC	5583	4986	-0.14	9.25	0.002	0.04	0.03	0.863	0.00	0.61	0.433	Uniform<
29	MC	5583	4986	0.01	0.06	0.814	0.40	4.45	0.035	0.00	4.44	0.035	
30	MC	5583	4986	0.03	0.40	0.527	0.00	0.00	0.987	0.00	0.02	0.883	
31	MC	5583	4986	-0.11	6.51	0.011	-0.01	0.00	0.977	0.00	0.23	0.634	
32	MC	5583	4986	0.07	2.33	0.127	0.14	0.39	0.530	0.00	0.10	0.747	
33	MC	5583	4986	0.06	2.38	0.123	-0.18	0.83	0.363	0.00	1.58	0.208	
34	MC	5583	4986	0.00	0.00	0.997	0.14	0.52	0.471	0.00	0.54	0.461	
35	MC	5583	4986	-0.14	12.39	0.000	-0.21	1.12	0.289	0.00	0.12	0.732	Uniform<
36	MC	5583	4986	0.10	5.81	0.016	0.06	0.10	0.752	0.00	0.04	0.841	
37	MC	5583	4986	-0.14	10.94	0.001	-0.24	1.35	0.245	0.00	0.25	0.620	Uniform<
38	MC	5583	4986	-0.07	1.65	0.198	-0.25	1.41	0.234	0.00	0.82	0.366	
39	MC	5583	4986	0.04	0.93	0.334	0.42	5.01	0.025	0.00	4.32	0.038	
40	MC	5583	4986	-0.06	1.88	0.170	-0.16	0.71	0.399	0.00	0.31	0.577	
61	SA1	5583	4986	-0.11	6.57	0.010	0.19	0.65	0.421	0.00	1.71	0.192	
62	SA1	5583	4986	-0.18	14.13	0.000	0.08	0.10	0.758	0.00	0.95	0.329	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.194: Logistic Regression DIF Results on Stage IV Reading Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	5583	1268	0.00	0.00	0.968	0.82	2.75	0.097	-0.01	2.84	0.092	
16	MC	5583	1268	0.10	2.37	0.124	0.23	0.47	0.494	0.00	0.15	0.699	
17	MC	5583	1268	0.11	1.11	0.293	0.07	0.03	0.868	0.00	0.01	0.942	
18	MC	5583	1268	-0.38	13.79	0.000	-0.28	0.42	0.518	0.00	0.06	0.810	Uniform<
19	MC	5583	1268	-0.30	4.24	0.040	-0.34	0.34	0.562	0.00	0.00	0.945	
20	MC	5583	1268	-0.07	1.20	0.274	0.11	0.10	0.756	0.00	0.27	0.605	
21	MC	5583	1268	-0.12	2.83	0.092	0.18	0.25	0.614	0.00	0.72	0.398	
22	MC	5583	1268	-0.01	0.04	0.846	0.96	5.56	0.018	-0.01	5.91	0.015	
23	MC	5583	1268	0.12	3.47	0.063	0.42	1.38	0.240	0.00	0.72	0.397	
24	MC	5583	1268	0.11	1.82	0.178	-0.13	0.10	0.756	0.00	0.35	0.552	
25	MC	5583	1268	0.31	22.04	0.000	0.54	2.07	0.150	0.00	0.38	0.539	Uniform>
26	MC	5583	1268	0.04	0.41	0.521	0.25	0.51	0.476	0.00	0.36	0.546	
27	MC	5583	1268	0.14	4.09	0.043	0.16	0.16	0.687	0.00	0.00	0.967	
28	MC	5583	1268	-0.02	0.09	0.766	-0.03	0.01	0.935	0.00	0.00	0.978	
29	MC	5583	1268	0.15	5.61	0.018	0.60	3.13	0.077	0.00	1.82	0.178	
30	MC	5583	1268	-0.04	0.35	0.551	0.03	0.01	0.931	0.00	0.04	0.841	
31	MC	5583	1268	0.03	0.20	0.653	-0.10	0.07	0.798	0.00	0.12	0.732	
32	MC	5583	1268	0.20	8.54	0.003	0.74	3.59	0.058	-0.01	1.95	0.163	Uniform>
33	MC	5583	1268	0.08	1.36	0.244	-0.26	0.58	0.446	0.00	1.01	0.316	
34	MC	5583	1268	0.06	0.90	0.343	0.39	1.29	0.256	0.00	0.94	0.331	
35	MC	5583	1268	0.06	0.71	0.401	0.37	1.07	0.301	0.00	0.80	0.370	
36	MC	5583	1268	0.21	9.04	0.003	0.07	0.04	0.835	0.00	0.14	0.704	Uniform>
37	MC	5583	1268	-0.17	6.19	0.013	0.48	1.70	0.192	-0.01	3.19	0.074	
38	MC	5583	1268	-0.01	0.01	0.912	0.43	1.16	0.282	0.00	1.27	0.259	
39	MC	5583	1268	0.05	0.56	0.453	0.63	3.44	0.063	-0.01	3.06	0.080	
40	MC	5583	1268	0.00	0.00	0.993	-0.33	0.97	0.324	0.00	1.02	0.314	
61	SA1	5583	1268	-0.06	0.72	0.398	0.12	0.09	0.765	0.00	0.21	0.651	
62	SA1	5583	1268	-0.10	1.99	0.158	0.08	0.03	0.855	0.00	0.17	0.677	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.195: Logistic Regression DIF Results on Stage IV Reading Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	3718	1268	-0.20	2.41	0.120	0.38	0.58	0.448	-0.01	1.40	0.237	
16	MC	3718	1268	0.13	3.65	0.056	0.44	1.67	0.197	0.00	0.85	0.356	
17	MC	3718	1268	0.01	0.02	0.888	-0.08	0.03	0.859	0.00	0.05	0.829	
18	MC	3718	1268	-0.34	9.73	0.002	-0.56	1.57	0.210	0.00	0.26	0.608	Uniform<
19	MC	3718	1268	-0.18	1.46	0.227	-0.26	0.20	0.656	0.00	0.02	0.886	
20	MC	3718	1268	-0.05	0.55	0.457	0.44	1.41	0.235	0.00	1.82	0.177	
21	MC	3718	1268	-0.09	1.56	0.212	0.01	0.00	0.974	0.00	0.08	0.775	
22	MC	3718	1268	0.05	0.36	0.547	0.82	3.79	0.052	-0.01	3.50	0.062	
23	MC	3718	1268	0.12	2.80	0.094	0.61	2.80	0.094	0.00	1.92	0.166	
24	MC	3718	1268	0.21	5.72	0.017	-0.49	1.26	0.261	0.01	2.75	0.097	
25	MC	3718	1268	0.19	7.70	0.006	0.71	3.42	0.064	-0.01	1.88	0.170	Uniform>
26	MC	3718	1268	0.01	0.03	0.868	0.38	1.16	0.281	0.00	1.14	0.286	
27	MC	3718	1268	0.16	4.53	0.033	0.07	0.03	0.871	0.00	0.05	0.818	
28	MC	3718	1268	0.16	4.08	0.043	-0.07	0.03	0.867	0.00	0.30	0.582	
29	MC	3718	1268	0.20	8.29	0.004	0.26	0.56	0.455	0.00	0.04	0.847	Uniform>
30	MC	3718	1268	-0.09	1.66	0.197	0.04	0.01	0.918	0.00	0.12	0.724	
31	MC	3718	1268	0.19	6.84	0.009	-0.09	0.06	0.810	0.00	0.54	0.463	Uniform>
32	MC	3718	1268	0.18	6.35	0.012	0.75	3.56	0.059	-0.01	2.10	0.147	
33	MC	3718	1268	0.02	0.07	0.792	-0.10	0.08	0.777	0.00	0.12	0.733	
34	MC	3718	1268	0.08	1.47	0.226	0.31	0.82	0.365	0.00	0.46	0.497	
35	MC	3718	1268	0.27	15.38	0.000	0.73	4.04	0.045	0.00	1.69	0.194	Uniform>
36	MC	3718	1268	0.14	3.78	0.052	0.03	0.01	0.940	0.00	0.10	0.753	
37	MC	3718	1268	-0.04	0.25	0.614	0.89	5.61	0.018	-0.01	6.28	0.012	
38	MC	3718	1268	0.07	0.72	0.396	0.83	4.23	0.040	-0.01	3.73	0.053	
39	MC	3718	1268	0.01	0.03	0.860	0.26	0.54	0.460	0.00	0.52	0.473	
40	MC	3718	1268	0.08	1.24	0.266	-0.20	0.35	0.554	0.00	0.70	0.403	
61	SA1	3718	1268	0.07	0.91	0.341	-0.08	0.03	0.853	0.00	0.13	0.719	
62	SA1	3718	1268	0.09	1.43	0.232	0.02	0.00	0.972	0.00	0.03	0.870	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.196: Logistic Regression DIF Results on Stage IV Reading Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	145	1268	-0.23	0.48	0.487	-1.27	0.64	0.422	0.01	0.45	0.504	
16	MC	145	1268	0.07	0.15	0.698	0.21	0.05	0.830	0.00	0.02	0.885	
17	MC	145	1268	0.25	0.76	0.384	-0.37	0.07	0.796	0.01	0.19	0.659	
18	MC	145	1268	0.10	0.11	0.741	-3.29	3.64	0.056	0.04	3.81	0.051	
19	MC	145	1268	-0.36	0.99	0.321	0.23	0.02	0.888	-0.01	0.14	0.707	
20	MC	145	1268	-0.15	0.59	0.441	0.73	0.49	0.482	-0.01	0.73	0.392	
21	MC	145	1268	-0.26	1.79	0.181	0.46	0.21	0.648	-0.01	0.52	0.471	
22	MC	145	1268	-0.04	0.05	0.829	-0.35	0.08	0.774	0.00	0.06	0.799	
23	MC	145	1268	0.25	1.87	0.171	-0.20	0.04	0.845	0.00	0.20	0.658	
24	MC	145	1268	0.76	8.23	0.004	0.55	0.18	0.675	0.00	0.02	0.875	Uniform>
25	MC	145	1268	0.16	0.74	0.388	0.11	0.01	0.923	0.00	0.00	0.958	
26	MC	145	1268	-0.30	2.59	0.108	-0.96	0.76	0.384	0.01	0.37	0.542	
27	MC	145	1268	0.09	0.18	0.670	-0.94	0.59	0.441	0.01	0.73	0.392	
28	MC	145	1268	0.07	0.11	0.743	-2.38	2.90	0.088	0.02	3.23	0.072	
29	MC	145	1268	0.01	0.00	0.965	-2.18	3.44	0.063	0.02	3.59	0.058	
30	MC	145	1268	-0.09	0.22	0.638	-1.59	1.75	0.186	0.02	1.60	0.206	
31	MC	145	1268	0.02	0.01	0.913	-1.91	2.26	0.132	0.02	2.41	0.121	
32	MC	145	1268	0.13	0.42	0.517	0.05	0.00	0.962	0.00	0.00	0.949	
33	MC	145	1268	-0.59	8.15	0.004	-0.53	0.22	0.641	0.00	0.00	0.960	Uniform<
34	MC	145	1268	0.21	1.34	0.247	-0.14	0.02	0.891	0.00	0.13	0.722	
35	MC	145	1268	-0.17	0.81	0.367	1.48	2.24	0.135	-0.02	2.85	0.092	
36	MC	145	1268	0.18	0.88	0.347	0.45	0.21	0.649	0.00	0.08	0.778	
37	MC	145	1268	-0.03	0.03	0.860	-2.07	2.62	0.105	0.02	2.60	0.107	
38	MC	145	1268	0.13	0.31	0.576	2.01	3.34	0.067	-0.02	2.96	0.085	
39	MC	145	1268	-0.08	0.16	0.685	0.56	0.31	0.575	-0.01	0.42	0.517	
40	MC	145	1268	-0.25	1.61	0.204	1.65	2.85	0.092	-0.02	3.82	0.051	
61	SA1	145	1268	0.31	2.69	0.101	0.87	0.67	0.414	-0.01	0.28	0.595	
62	SA1	145	1268	0.14	0.47	0.493	0.33	0.07	0.795	0.00	0.02	0.881	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.197: Logistic Regression DIF Results on Stage IV Reading Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	8879	1189	0.14	1.49	0.223	0.16	0.16	0.686	0.00	0.00	0.959	
16	MC	8879	1189	0.02	0.06	0.805	0.06	0.04	0.847	0.00	0.02	0.889	
17	MC	8879	1189	0.01	0.01	0.922	-0.25	0.41	0.520	0.00	0.48	0.487	
18	MC	8879	1189	0.06	0.37	0.546	-0.34	0.89	0.345	0.00	1.33	0.249	
19	MC	8879	1189	0.05	0.15	0.703	0.13	0.06	0.799	0.00	0.02	0.875	
20	MC	8879	1189	-0.02	0.07	0.797	0.64	3.54	0.060	-0.01	3.90	0.048	
21	MC	8879	1189	-0.08	1.35	0.246	-0.04	0.02	0.892	0.00	0.02	0.901	
22	MC	8879	1189	-0.04	0.35	0.554	-0.17	0.23	0.628	0.00	0.14	0.713	
23	MC	8879	1189	-0.06	0.83	0.361	-0.40	1.82	0.177	0.00	1.38	0.240	
24	MC	8879	1189	-0.02	0.05	0.821	0.10	0.06	0.804	0.00	0.09	0.759	
25	MC	8879	1189	0.07	1.15	0.284	0.25	0.61	0.437	0.00	0.33	0.566	
26	MC	8879	1189	0.03	0.24	0.625	-0.27	0.81	0.368	0.00	1.07	0.302	
27	MC	8879	1189	-0.08	1.43	0.232	0.64	3.20	0.074	-0.01	4.26	0.039	
28	MC	8879	1189	-0.05	0.43	0.513	0.53	2.04	0.153	-0.01	2.54	0.111	
29	MC	8879	1189	-0.06	0.76	0.383	-0.11	0.15	0.700	0.00	0.04	0.843	
30	MC	8879	1189	0.01	0.01	0.917	0.24	0.51	0.477	0.00	0.50	0.481	
31	MC	8879	1189	-0.05	0.66	0.416	0.84	5.48	0.019	-0.01	6.51	0.011	
32	MC	8879	1189	0.02	0.06	0.806	-0.31	0.84	0.358	0.00	0.99	0.320	
33	MC	8879	1189	0.15	5.45	0.020	-0.32	1.12	0.289	0.00	2.58	0.108	
34	MC	8879	1189	-0.07	1.31	0.253	0.18	0.39	0.531	0.00	0.82	0.366	
35	MC	8879	1189	-0.15	5.22	0.022	-0.10	0.12	0.730	0.00	0.02	0.881	
36	MC	8879	1189	-0.03	0.24	0.623	0.53	2.84	0.092	-0.01	3.37	0.066	
37	MC	8879	1189	-0.17	6.36	0.012	0.33	1.00	0.318	-0.01	2.42	0.120	
38	MC	8879	1189	0.13	2.32	0.128	0.54	2.41	0.121	0.00	1.50	0.221	
39	MC	8879	1189	-0.02	0.13	0.714	0.19	0.44	0.508	0.00	0.58	0.445	
40	MC	8879	1189	-0.12	3.28	0.070	0.01	0.00	0.966	0.00	0.21	0.644	
61	SA1	8879	1189	0.00	0.00	0.983	-0.73	4.55	0.033	0.01	4.72	0.030	
62	SA1	8879	1189	-0.02	0.07	0.792	0.01	0.00	0.981	0.00	0.01	0.942	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.198: Logistic Regression DIF Results on Stage IV Writing Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	4332	6225	0.27	35.34	0.000	0.04	0.03	0.852	0.00	1.51	0.218	Uniform>
42	MC	4332	6225	0.02	0.27	0.607	-0.09	0.20	0.655	0.00	0.33	0.568	
43	MC	4332	6225	-0.09	4.82	0.028	0.16	0.75	0.388	0.00	1.92	0.166	
44	MC	4332	6225	0.19	18.67	0.000	0.68	12.05	0.001	-0.01	6.57	0.010	Uniform>
45	MC	4332	6225	0.32	54.43	0.000	0.28	1.59	0.207	0.00	0.02	0.877	Uniform>
46	MC	4332	6225	0.04	0.93	0.335	0.18	0.76	0.383	0.00	0.47	0.492	
47	MC	4332	6225	0.03	0.41	0.522	0.11	0.30	0.585	0.00	0.18	0.673	
48	MC	4332	6225	0.09	4.46	0.035	-0.20	0.92	0.336	0.00	2.02	0.155	
49	MC	4332	6225	0.00	0.01	0.908	-0.44	3.98	0.046	0.00	4.05	0.044	
50	MC	4332	6225	0.34	40.35	0.000	0.41	3.36	0.067	0.00	0.10	0.754	Uniform>
51	MC	4332	6225	0.02	0.19	0.659	0.47	4.47	0.035	0.00	4.27	0.039	
52	MC	4332	6225	-0.03	0.33	0.565	-0.01	0.00	0.977	0.00	0.01	0.928	
53	MC	4332	6225	0.24	31.50	0.000	0.12	0.35	0.554	0.00	0.42	0.515	Uniform>
54	MC	4332	6225	0.01	0.07	0.797	0.25	1.55	0.214	0.00	1.48	0.224	
55	MC	4332	6225	-0.23	28.61	0.000	0.16	0.63	0.427	0.00	3.93	0.047	Uniform<
56	MC	4332	6225	0.24	25.09	0.000	0.65	9.28	0.002	0.00	3.99	0.046	Uniform>
57	MC	4332	6225	-0.05	1.55	0.213	-0.09	0.21	0.648	0.00	0.04	0.840	
58	MC	4332	6225	0.14	9.81	0.002	-0.73	10.22	0.001	0.01	14.95	0.000	NonUniform
59	ER	4332	6225	0.40	93.55	0.000	-0.10	0.31	0.580	0.01	8.66	0.003	NonUniform
60	ER	4332	6225	0.34	71.42	0.000	-0.15	0.71	0.398	0.01	8.48	0.004	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.199: Logistic Regression DIF Results on Stage IV Writing Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	8609	1960	-0.57	88.62	0.000	-0.03	0.01	0.908	-0.01	5.20	0.023	Uniform<
42	MC	8609	1960	-0.24	20.33	0.000	0.21	0.82	0.365	0.00	3.89	0.049	Uniform<
43	MC	8609	1960	-0.17	10.50	0.001	0.65	8.30	0.004	-0.01	13.80	0.000	NonUniform
44	MC	8609	1960	-0.14	6.48	0.011	0.55	5.04	0.025	-0.01	8.38	0.004	NonUniform
45	MC	8609	1960	-0.07	1.58	0.209	-0.58	4.77	0.029	0.01	3.86	0.049	
46	MC	8609	1960	0.05	0.97	0.325	0.06	0.06	0.804	0.00	0.00	0.971	
47	MC	8609	1960	0.02	0.12	0.724	0.05	0.05	0.823	0.00	0.02	0.880	
48	MC	8609	1960	0.01	0.06	0.808	0.09	0.12	0.732	0.00	0.09	0.766	
49	MC	8609	1960	0.21	15.09	0.000	0.00	0.00	0.995	0.00	0.68	0.410	Uniform>
50	MC	8609	1960	0.11	2.68	0.102	0.00	0.00	0.993	0.00	0.16	0.689	
51	MC	8609	1960	0.07	1.37	0.242	-0.35	1.72	0.190	0.00	2.63	0.105	
52	MC	8609	1960	0.13	5.16	0.023	-0.33	1.58	0.209	0.00	3.20	0.073	
53	MC	8609	1960	-0.11	4.05	0.044	0.32	1.65	0.199	0.00	3.17	0.075	
54	MC	8609	1960	-0.08	2.04	0.154	0.18	0.58	0.448	0.00	1.20	0.273	
55	MC	8609	1960	-0.26	22.00	0.000	-0.28	1.43	0.232	0.00	0.02	0.901	Uniform<
56	MC	8609	1960	0.00	0.01	0.935	-0.80	10.18	0.001	0.01	10.67	0.001	NonUniform
57	MC	8609	1960	-0.10	3.63	0.057	0.62	6.30	0.012	-0.01	8.95	0.003	NonUniform
58	MC	8609	1960	-0.13	5.30	0.021	0.01	0.00	0.982	0.00	0.25	0.616	
59	ER	8609	1960	-0.04	0.49	0.482	0.47	5.10	0.024	-0.01	6.39	0.012	
60	ER	8609	1960	-0.05	1.07	0.302	0.32	2.38	0.123	0.00	3.46	0.063	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.200: Logistic Regression DIF Results on Stage IV Writing Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	1262	9307	0.85	116.95	0.000	0.31	0.72	0.395	0.01	2.40	0.121	Uniform>
42	MC	1262	9307	0.16	6.02	0.014	-0.89	7.07	0.008	0.01	10.23	0.001	NonUniform
43	MC	1262	9307	0.15	6.15	0.013	-0.15	0.25	0.615	0.00	1.05	0.305	
44	MC	1262	9307	0.01	0.01	0.938	-1.07	9.60	0.002	0.01	10.03	0.002	NonUniform
45	MC	1262	9307	-0.05	0.70	0.403	0.52	2.27	0.132	-0.01	2.86	0.091	
46	MC	1262	9307	-0.30	21.58	0.000	0.30	0.81	0.367	-0.01	3.40	0.065	Uniform<
47	MC	1262	9307	-0.14	5.02	0.025	-0.98	8.00	0.005	0.01	6.10	0.014	
48	MC	1262	9307	-0.02	0.11	0.739	-0.03	0.01	0.934	0.00	0.00	0.984	
49	MC	1262	9307	-0.04	0.46	0.496	-0.35	0.96	0.326	0.00	0.76	0.382	
50	MC	1262	9307	0.15	3.55	0.059	-0.62	2.36	0.125	0.01	3.82	0.051	
51	MC	1262	9307	-0.03	0.19	0.660	-0.59	2.40	0.122	0.01	2.22	0.136	
52	MC	1262	9307	-0.17	6.44	0.011	-1.18	9.32	0.002	0.01	7.05	0.008	NonUniform
53	MC	1262	9307	0.04	0.43	0.514	-0.19	0.32	0.570	0.00	0.51	0.477	
54	MC	1262	9307	0.03	0.22	0.636	-0.09	0.08	0.782	0.00	0.14	0.707	
55	MC	1262	9307	0.33	24.95	0.000	0.09	0.07	0.785	0.00	0.54	0.462	Uniform>
56	MC	1262	9307	0.03	0.16	0.685	0.30	0.74	0.389	0.00	0.64	0.425	
57	MC	1262	9307	0.04	0.45	0.501	0.28	0.78	0.377	0.00	0.58	0.445	
58	MC	1262	9307	0.04	0.46	0.498	0.39	1.27	0.260	0.00	1.03	0.310	
59	ER	1262	9307	0.20	10.64	0.001	0.48	2.71	0.100	0.00	0.96	0.328	Uniform>
60	ER	1262	9307	0.05	0.73	0.393	0.42	2.19	0.139	0.00	1.76	0.185	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.201: Logistic Regression DIF Results on Stage IV Writing Items for the Special Education/Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	1249	9320	-0.11	2.79	0.095	-0.38	1.49	0.222	0.00	0.80	0.371	
42	MC	1249	9320	-0.08	1.57	0.210	0.01	0.00	0.976	0.00	0.09	0.767	
43	MC	1249	9320	0.03	0.22	0.639	-0.58	3.68	0.055	0.01	4.24	0.040	
44	MC	1249	9320	-0.36	32.63	0.000	-1.65	23.48	0.000	0.01	14.83	0.000	NonUniform
45	MC	1249	9320	-0.21	9.55	0.002	0.08	0.05	0.815	0.00	0.69	0.406	Uniform<
46	MC	1249	9320	0.00	0.01	0.941	0.17	0.26	0.609	0.00	0.29	0.591	
47	MC	1249	9320	-0.35	28.44	0.000	0.27	0.70	0.401	-0.01	3.86	0.050	Uniform<
48	MC	1249	9320	0.11	2.76	0.096	0.51	2.59	0.107	0.00	1.68	0.195	
49	MC	1249	9320	0.04	0.41	0.520	1.39	18.99	0.000	-0.01	18.44	0.000	NonUniform
50	MC	1249	9320	-0.15	4.19	0.041	-1.39	13.21	0.000	0.01	10.85	0.001	NonUniform
51	MC	1249	9320	0.15	4.81	0.028	-0.56	2.29	0.131	0.01	3.86	0.050	
52	MC	1249	9320	-0.38	33.80	0.000	-1.13	9.27	0.002	0.01	4.18	0.041	Uniform<
53	MC	1249	9320	-0.21	10.74	0.001	0.30	0.92	0.337	-0.01	2.80	0.094	Uniform<
54	MC	1249	9320	0.08	1.55	0.214	-0.06	0.04	0.850	0.00	0.20	0.654	
55	MC	1249	9320	0.07	1.32	0.251	-0.28	0.75	0.387	0.00	1.24	0.265	
56	MC	1249	9320	-0.19	8.08	0.004	-1.42	14.75	0.000	0.01	11.44	0.001	NonUniform
57	MC	1249	9320	0.01	0.02	0.887	-0.55	2.80	0.094	0.01	3.02	0.082	
58	MC	1249	9320	0.08	1.27	0.260	0.27	0.62	0.432	0.00	0.33	0.564	
59	ER	1249	9320	-0.06	0.86	0.354	0.43	2.22	0.136	-0.01	3.05	0.081	
60	ER	1249	9320	-0.09	1.99	0.158	0.81	8.46	0.004	-0.01	11.01	0.001	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.202: Logistic Regression DIF Results on Stage IV Writing Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	5583	4986	-0.22	24.38	0.000	-0.05	0.06	0.805	0.00	0.87	0.352	Uniform<
42	MC	5583	4986	0.00	0.01	0.926	0.14	0.53	0.469	0.00	0.52	0.470	
43	MC	5583	4986	-0.01	0.08	0.782	0.46	6.79	0.009	0.00	7.49	0.006	NonUniform
44	MC	5583	4986	0.14	10.36	0.001	0.52	7.31	0.007	0.00	4.15	0.042	Uniform>
45	MC	5583	4986	-0.02	0.25	0.617	-0.68	9.47	0.002	0.01	9.23	0.002	NonUniform
46	MC	5583	4986	0.07	2.65	0.103	0.12	0.39	0.532	0.00	0.09	0.768	
47	MC	5583	4986	0.09	4.75	0.029	0.10	0.26	0.607	0.00	0.00	0.952	
48	MC	5583	4986	-0.04	1.09	0.297	0.13	0.44	0.509	0.00	0.80	0.372	
49	MC	5583	4986	-0.01	0.04	0.841	-0.22	1.05	0.305	0.00	1.01	0.315	
50	MC	5583	4986	0.14	7.60	0.006	0.48	4.71	0.030	0.00	2.44	0.118	Uniform>
51	MC	5583	4986	-0.05	1.07	0.301	-0.16	0.55	0.458	0.00	0.28	0.597	
52	MC	5583	4986	0.01	0.03	0.860	-0.11	0.25	0.615	0.00	0.30	0.581	
53	MC	5583	4986	-0.06	1.86	0.172	0.09	0.23	0.632	0.00	0.64	0.425	
54	MC	5583	4986	-0.04	0.95	0.330	-0.15	0.59	0.444	0.00	0.33	0.565	
55	MC	5583	4986	-0.24	32.70	0.000	-0.21	1.23	0.268	0.00	0.02	0.898	Uniform<
56	MC	5583	4986	0.05	1.00	0.318	-0.06	0.09	0.764	0.00	0.28	0.596	
57	MC	5583	4986	0.03	0.70	0.402	0.40	4.15	0.042	0.00	3.62	0.057	
58	MC	5583	4986	-0.09	4.07	0.044	-0.23	1.08	0.298	0.00	0.44	0.509	
59	ER	5583	4986	0.03	0.62	0.429	0.37	4.81	0.028	0.00	4.30	0.038	
60	ER	5583	4986	-0.11	7.89	0.005	0.25	2.27	0.132	0.00	5.00	0.025	Uniform<

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.203: Logistic Regression DIF Results on Stage IV Writing Items for the Spanish/English Comparison

Focal Group: Special Education; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	5583	1268	-0.18	6.81	0.009	-0.65	3.97	0.046	0.00	2.16	0.142	Uniform<
42	MC	5583	1268	0.13	3.62	0.057	0.15	0.20	0.657	0.00	0.01	0.942	
43	MC	5583	1268	0.05	0.65	0.420	0.68	4.55	0.033	-0.01	4.07	0.044	
44	MC	5583	1268	0.26	15.43	0.000	1.18	11.36	0.001	-0.01	7.14	0.008	NonUniform
45	MC	5583	1268	0.08	1.38	0.240	-0.42	1.23	0.268	0.00	1.79	0.181	
46	MC	5583	1268	0.08	1.35	0.246	0.12	0.12	0.728	0.00	0.02	0.896	
47	MC	5583	1268	0.24	13.51	0.000	0.62	3.03	0.082	0.00	1.18	0.278	Uniform>
48	MC	5583	1268	-0.07	1.11	0.292	-0.29	0.74	0.390	0.00	0.45	0.503	
49	MC	5583	1268	-0.06	0.96	0.327	-0.43	1.42	0.233	0.00	1.06	0.304	
50	MC	5583	1268	0.15	3.38	0.066	1.23	9.12	0.003	-0.01	7.29	0.007	NonUniform
51	MC	5583	1268	-0.06	0.62	0.430	-0.10	0.07	0.790	0.00	0.01	0.912	
52	MC	5583	1268	0.07	1.15	0.284	0.24	0.41	0.520	0.00	0.21	0.650	
53	MC	5583	1268	0.00	0.00	0.957	0.23	0.47	0.492	0.00	0.51	0.476	
54	MC	5583	1268	-0.02	0.08	0.772	-0.19	0.31	0.578	0.00	0.26	0.610	
55	MC	5583	1268	-0.23	12.12	0.000	0.51	2.10	0.148	-0.01	4.60	0.032	Uniform<
56	MC	5583	1268	0.03	0.13	0.722	0.30	0.66	0.418	0.00	0.57	0.450	
57	MC	5583	1268	0.00	0.00	0.981	0.55	2.53	0.112	-0.01	2.61	0.106	
58	MC	5583	1268	-0.04	0.37	0.541	-0.08	0.05	0.826	0.00	0.01	0.911	
59	ER	5583	1268	-0.02	0.06	0.801	-0.38	1.53	0.215	0.00	1.47	0.225	
60	ER	5583	1268	-0.14	4.94	0.026	-0.49	2.65	0.103	0.00	1.40	0.236	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.204: Logistic Regression DIF Results on Stage IV Writing Items for the Non-Spanish/English Comparison

Focal Group: Special Education; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	3718	1268	0.05	0.44	0.509	-0.76	5.08	0.024	0.01	6.08	0.014	
42	MC	3718	1268	0.17	5.57	0.018	0.03	0.01	0.925	0.00	0.15	0.699	
43	MC	3718	1268	0.09	1.66	0.198	0.28	0.71	0.401	0.00	0.35	0.554	
44	MC	3718	1268	0.18	6.15	0.013	0.82	5.24	0.022	-0.01	3.38	0.066	
45	MC	3718	1268	0.13	3.73	0.054	0.34	0.78	0.378	0.00	0.29	0.589	
46	MC	3718	1268	0.01	0.03	0.861	0.00	0.00	0.993	0.00	0.00	0.965	
47	MC	3718	1268	0.20	8.82	0.003	0.65	3.23	0.072	0.00	1.60	0.206	Uniform>
48	MC	3718	1268	-0.04	0.28	0.598	-0.54	2.38	0.123	0.01	2.15	0.142	
49	MC	3718	1268	-0.07	1.18	0.277	-0.27	0.55	0.458	0.00	0.30	0.584	
50	MC	3718	1268	0.01	0.03	0.866	0.93	4.97	0.026	-0.01	5.01	0.025	
51	MC	3718	1268	-0.02	0.04	0.846	0.08	0.04	0.842	0.00	0.06	0.807	
52	MC	3718	1268	0.09	1.50	0.220	0.44	1.32	0.251	0.00	0.87	0.350	
53	MC	3718	1268	0.08	1.13	0.287	0.18	0.26	0.610	0.00	0.09	0.763	
54	MC	3718	1268	0.03	0.18	0.674	-0.05	0.02	0.896	0.00	0.05	0.828	
55	MC	3718	1268	0.01	0.03	0.870	0.89	6.22	0.013	-0.01	6.30	0.012	
56	MC	3718	1268	-0.03	0.15	0.702	0.46	1.43	0.232	-0.01	1.68	0.195	
57	MC	3718	1268	-0.05	0.44	0.505	0.18	0.27	0.604	0.00	0.43	0.510	
58	MC	3718	1268	0.06	0.75	0.386	0.19	0.24	0.625	0.00	0.11	0.737	
59	ER	3718	1268	-0.05	0.54	0.462	-0.88	8.07	0.005	0.01	7.57	0.006	NonUniform
60	ER	3718	1268	-0.03	0.22	0.638	-0.88	8.55	0.003	0.01	8.34	0.004	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.205: Logistic Regression DIF Results on Stage IV Writing Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	145	1268	0.95	15.05	0.000	0.53	0.21	0.644	0.00	0.14	0.712	Uniform>
42	MC	145	1268	-0.15	0.53	0.465	-0.35	0.10	0.749	0.00	0.04	0.851	
43	MC	145	1268	0.21	1.37	0.242	-0.17	0.03	0.859	0.00	0.16	0.687	
44	MC	145	1268	0.05	0.06	0.807	-0.22	0.04	0.833	0.00	0.07	0.796	
45	MC	145	1268	0.05	0.07	0.798	0.53	0.26	0.613	0.00	0.22	0.640	
46	MC	145	1268	-0.44	4.81	0.028	0.60	0.32	0.572	-0.01	0.98	0.323	
47	MC	145	1268	0.17	0.82	0.365	0.31	0.09	0.759	0.00	0.02	0.884	
48	MC	145	1268	-0.57	8.52	0.004	-0.23	0.05	0.827	0.00	0.10	0.749	Uniform<
49	MC	145	1268	-0.10	0.32	0.573	-0.09	0.01	0.929	0.00	0.00	0.991	
50	MC	145	1268	0.17	0.54	0.462	0.96	0.67	0.412	-0.01	0.47	0.491	
51	MC	145	1268	-0.36	3.25	0.071	-0.86	0.56	0.453	0.01	0.20	0.657	
52	MC	145	1268	-0.11	0.30	0.582	0.33	0.09	0.759	0.00	0.17	0.681	
53	MC	145	1268	-0.10	0.28	0.595	0.44	0.21	0.651	-0.01	0.32	0.572	
54	MC	145	1268	-0.12	0.44	0.509	-0.39	0.14	0.707	0.00	0.07	0.794	
55	MC	145	1268	0.42	4.47	0.034	1.27	1.62	0.203	-0.01	0.76	0.382	
56	MC	145	1268	-0.01	0.00	0.971	0.37	0.12	0.733	0.00	0.13	0.723	
57	MC	145	1268	-0.06	0.09	0.762	0.77	0.62	0.432	-0.01	0.73	0.392	
58	MC	145	1268	0.00	0.00	0.986	1.25	1.49	0.223	-0.01	1.51	0.219	
59	ER	145	1268	0.39	4.60	0.032	-0.73	0.63	0.428	0.01	1.57	0.210	
60	ER	145	1268	0.33	3.38	0.066	0.46	0.26	0.607	0.00	0.02	0.879	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.206: Logistic Regression DIF Results on Stage IV Writing Items for the FRL/Non-FRL Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	8879	1189	-0.06	0.68	0.410	-0.43	2.28	0.131	0.00	1.82	0.177	
42	MC	8879	1189	0.02	0.12	0.728	0.28	0.85	0.356	0.00	0.75	0.385	
43	MC	8879	1189	0.02	0.09	0.765	0.06	0.04	0.838	0.00	0.02	0.889	
44	MC	8879	1189	0.09	1.68	0.195	0.09	0.09	0.760	0.00	0.00	0.994	
45	MC	8879	1189	-0.12	3.04	0.081	0.22	0.39	0.534	0.00	0.96	0.327	
46	MC	8879	1189	-0.10	2.36	0.124	0.66	4.21	0.040	-0.01	5.87	0.015	
47	MC	8879	1189	-0.04	0.46	0.498	-0.02	0.00	0.953	0.00	0.01	0.929	
48	MC	8879	1189	-0.08	1.52	0.217	-0.04	0.01	0.905	0.00	0.02	0.884	
49	MC	8879	1189	-0.10	2.28	0.131	-0.12	0.13	0.718	0.00	0.00	0.957	
50	MC	8879	1189	0.13	2.59	0.107	0.27	0.59	0.444	0.00	0.15	0.694	
51	MC	8879	1189	-0.07	0.85	0.357	0.18	0.27	0.607	0.00	0.55	0.460	
52	MC	8879	1189	0.05	0.44	0.505	0.35	1.00	0.317	0.00	0.78	0.378	
53	MC	8879	1189	0.02	0.05	0.821	-0.15	0.26	0.611	0.00	0.33	0.565	
54	MC	8879	1189	-0.11	2.86	0.091	0.15	0.25	0.617	0.00	0.78	0.377	
55	MC	8879	1189	0.08	1.56	0.212	0.00	0.00	0.988	0.00	0.07	0.789	
56	MC	8879	1189	-0.01	0.03	0.867	0.10	0.09	0.768	0.00	0.12	0.734	
57	MC	8879	1189	-0.11	3.19	0.074	0.45	2.13	0.145	-0.01	3.54	0.060	
58	MC	8879	1189	-0.10	2.10	0.148	-0.04	0.02	0.897	0.00	0.03	0.869	
59	ER	8879	1189	0.00	0.00	0.957	0.71	7.44	0.006	-0.01	7.92	0.005	NonUniform
60	ER	8879	1189	0.10	2.55	0.110	0.38	2.18	0.140	0.00	1.27	0.259	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.207: Logistic Regression DIF Results on Stage IV Listening Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	4332	6225	-0.15	3.93	0.048	-0.30	1.35	0.245	0.00	0.37	0.541	
2	MC	4332	6225	-0.09	3.10	0.078	-0.18	0.73	0.394	0.00	0.20	0.653	
3	MC	4332	6225	-0.25	24.95	0.000	-0.30	1.96	0.161	0.00	0.05	0.821	Uniform<
4	MC	4332	6225	-0.21	27.11	0.000	-0.52	7.57	0.006	0.00	2.77	0.096	Uniform<
5	MC	4332	6225	0.22	16.23	0.000	0.27	1.64	0.200	0.00	0.07	0.791	Uniform>
6	MC	4332	6225	-0.13	6.93	0.008	-0.16	0.63	0.427	0.00	0.02	0.878	Uniform<
7	MC	4332	6225	-0.08	2.28	0.131	-0.35	2.80	0.094	0.00	1.84	0.175	
8	MC	4332	6225	-0.05	1.16	0.282	-0.31	2.23	0.136	0.00	1.68	0.195	
9	MC	4332	6225	-0.14	8.09	0.004	-0.34	2.78	0.095	0.00	1.07	0.301	Uniform<
10	MC	4332	6225	-0.15	11.99	0.001	-0.38	3.96	0.047	0.00	1.55	0.212	Uniform<
11	MC	4332	6225	-0.13	9.18	0.002	0.05	0.07	0.797	0.00	0.85	0.356	Uniform<
12	MC	4332	6225	-0.09	4.49	0.034	-0.33	2.81	0.094	0.00	1.55	0.213	
13	MC	4332	6225	-0.07	2.63	0.105	0.33	2.66	0.103	0.00	4.16	0.041	
14	MC	4332	6225	-0.21	21.85	0.000	-0.27	1.44	0.231	0.00	0.09	0.759	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.208: Logistic Regression DIF Results on Stage IV Listening Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	8609	1960	0.07	0.51	0.475	0.08	0.07	0.796	0.00	0.00	0.959	
2	MC	8609	1960	0.02	0.08	0.781	0.15	0.34	0.562	0.00	0.28	0.598	
3	MC	8609	1960	-0.18	7.27	0.007	-0.18	0.46	0.497	0.00	0.00	0.997	Uniform<
4	MC	8609	1960	0.00	0.01	0.928	0.14	0.38	0.538	0.00	0.43	0.513	
5	MC	8609	1960	0.03	0.20	0.654	-0.08	0.09	0.760	0.00	0.19	0.661	
6	MC	8609	1960	-0.08	1.84	0.175	0.15	0.41	0.524	0.00	1.03	0.310	
7	MC	8609	1960	-0.11	2.99	0.084	-0.30	1.38	0.240	0.00	0.58	0.445	
8	MC	8609	1960	-0.02	0.14	0.705	-0.60	6.41	0.011	0.01	6.27	0.012	
9	MC	8609	1960	-0.04	0.37	0.542	-0.25	1.02	0.313	0.00	0.79	0.375	
10	MC	8609	1960	-0.02	0.12	0.733	-0.36	2.53	0.112	0.00	2.41	0.120	
11	MC	8609	1960	0.14	7.07	0.008	0.53	4.50	0.034	0.00	2.51	0.113	Uniform>
12	MC	8609	1960	0.00	0.01	0.930	-0.26	1.29	0.255	0.00	1.32	0.251	
13	MC	8609	1960	0.08	2.07	0.150	-0.11	0.20	0.657	0.00	0.64	0.424	
14	MC	8609	1960	0.23	16.29	0.000	0.45	2.51	0.113	0.00	0.63	0.426	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.209: Logistic Regression DIF Results on Stage IV Listening Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1262	9307	-0.01	0.01	0.933	0.12	0.07	0.793	0.00	0.09	0.769	
2	MC	1262	9307	0.31	14.99	0.000	0.34	0.86	0.354	0.00	0.01	0.935	Uniform>
3	MC	1262	9307	0.40	23.80	0.000	0.19	0.26	0.611	0.00	0.33	0.566	Uniform>
4	MC	1262	9307	-0.10	2.50	0.114	-0.29	0.90	0.342	0.00	0.42	0.516	
5	MC	1262	9307	-0.13	2.63	0.105	-0.55	2.29	0.130	0.00	1.41	0.235	
6	MC	1262	9307	0.28	13.63	0.000	0.49	1.98	0.159	0.00	0.36	0.549	Uniform>
7	MC	1262	9307	-0.09	1.56	0.211	-0.17	0.22	0.637	0.00	0.05	0.832	
8	MC	1262	9307	-0.26	14.84	0.000	-0.08	0.06	0.813	0.00	0.27	0.600	Uniform<
9	MC	1262	9307	-0.17	5.99	0.014	-0.05	0.03	0.872	0.00	0.13	0.720	
10	MC	1262	9307	-0.14	4.85	0.028	-0.30	0.89	0.346	0.00	0.26	0.611	
11	MC	1262	9307	-0.24	14.40	0.000	-0.96	7.71	0.005	0.01	4.48	0.034	Uniform<
12	MC	1262	9307	-0.14	4.82	0.028	-0.40	1.51	0.219	0.00	0.66	0.416	
13	MC	1262	9307	-0.25	14.68	0.000	-1.26	12.22	0.000	0.01	8.05	0.005	NonUniform
14	MC	1262	9307	-0.33	23.09	0.000	-0.55	2.03	0.154	0.00	0.34	0.563	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.210: Logistic Regression DIF Results on Stage IV Listening Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1249	9320	0.04	0.17	0.678	0.98	5.30	0.021	-0.01	5.29	0.021	
2	MC	1249	9320	0.02	0.09	0.760	0.61	3.42	0.065	-0.01	3.35	0.067	
3	MC	1249	9320	0.11	2.42	0.120	-0.26	0.56	0.453	0.00	1.20	0.272	
4	MC	1249	9320	-0.04	0.43	0.512	-0.04	0.02	0.901	0.00	0.00	0.990	
5	MC	1249	9320	-0.19	6.63	0.010	-0.44	1.64	0.200	0.00	0.55	0.458	
6	MC	1249	9320	0.25	11.92	0.001	0.80	6.16	0.013	-0.01	3.08	0.079	Uniform>
7	MC	1249	9320	0.06	0.70	0.404	0.25	0.55	0.460	0.00	0.33	0.566	
8	MC	1249	9320	0.02	0.07	0.797	0.94	8.91	0.003	-0.01	8.89	0.003	NonUniform
9	MC	1249	9320	0.06	0.84	0.360	0.31	0.94	0.332	0.00	0.63	0.428	
10	MC	1249	9320	-0.14	5.31	0.021	-0.48	2.40	0.121	0.00	1.22	0.270	
11	MC	1249	9320	-0.14	4.60	0.032	-0.75	5.13	0.024	0.01	3.57	0.059	
12	MC	1249	9320	-0.10	2.75	0.097	-0.11	0.13	0.722	0.00	0.00	0.987	
13	MC	1249	9320	-0.16	5.76	0.016	-0.82	5.89	0.015	0.01	3.99	0.046	
14	MC	1249	9320	0.18	7.03	0.008	0.23	0.42	0.515	0.00	0.02	0.889	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.211: Logistic Regression DIF Results on Stage IV Listening Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	5583	4986	0.00	0.00	0.958	0.14	0.33	0.568	0.00	0.34	0.561	
2	MC	5583	4986	-0.04	0.74	0.391	0.22	1.10	0.294	0.00	1.66	0.197	
3	MC	5583	4986	-0.25	24.58	0.000	-0.37	3.17	0.075	0.00	0.37	0.543	Uniform<
4	MC	5583	4986	0.02	0.36	0.548	0.07	0.16	0.693	0.00	0.07	0.788	
5	MC	5583	4986	0.04	0.57	0.449	0.10	0.24	0.627	0.00	0.09	0.760	
6	MC	5583	4986	-0.06	1.64	0.201	-0.19	0.99	0.320	0.00	0.49	0.484	
7	MC	5583	4986	0.02	0.20	0.654	0.06	0.10	0.758	0.00	0.04	0.836	
8	MC	5583	4986	0.00	0.00	0.992	-0.35	3.13	0.077	0.00	3.29	0.070	
9	MC	5583	4986	0.03	0.34	0.558	0.01	0.00	0.976	0.00	0.01	0.912	
10	MC	5583	4986	0.00	0.00	0.949	-0.06	0.12	0.732	0.00	0.11	0.737	
11	MC	5583	4986	0.08	3.43	0.064	0.26	1.72	0.190	0.00	0.88	0.349	
12	MC	5583	4986	0.06	2.16	0.142	0.15	0.63	0.428	0.00	0.23	0.631	
13	MC	5583	4986	0.03	0.59	0.441	-0.17	0.77	0.380	0.00	1.16	0.282	
14	MC	5583	4986	-0.10	5.95	0.015	0.03	0.02	0.889	0.00	0.39	0.531	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.212: Logistic Regression DIF Results on Stage IV Listening Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	5583	1268	-0.24	3.40	0.065	0.03	0.00	0.947	0.00	0.32	0.574	
2	MC	5583	1268	0.02	0.10	0.753	-0.29	0.69	0.407	0.00	0.85	0.357	
3	MC	5583	1268	-0.43	25.86	0.000	-0.23	0.38	0.540	0.00	0.27	0.606	Uniform<
4	MC	5583	1268	0.05	0.64	0.423	-0.06	0.03	0.857	0.00	0.12	0.728	
5	MC	5583	1268	-0.01	0.01	0.906	0.16	0.19	0.664	0.00	0.22	0.636	
6	MC	5583	1268	-0.12	2.36	0.124	-0.40	1.38	0.241	0.00	0.73	0.393	
7	MC	5583	1268	0.07	0.71	0.400	0.10	0.08	0.778	0.00	0.01	0.917	
8	MC	5583	1268	-0.03	0.22	0.640	-0.99	8.84	0.003	0.01	8.57	0.003	NonUniform
9	MC	5583	1268	0.05	0.55	0.458	0.20	0.31	0.578	0.00	0.17	0.682	
10	MC	5583	1268	-0.06	0.85	0.356	0.62	3.43	0.064	-0.01	4.31	0.038	
11	MC	5583	1268	0.07	1.19	0.276	0.64	3.32	0.068	-0.01	2.71	0.100	
12	MC	5583	1268	0.09	2.00	0.158	0.53	2.43	0.119	0.00	1.71	0.191	
13	MC	5583	1268	-0.01	0.02	0.900	0.40	1.25	0.264	0.00	1.36	0.244	
14	MC	5583	1268	-0.08	1.37	0.241	0.17	0.21	0.649	0.00	0.46	0.499	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.213: Logistic Regression DIF Results on Stage IV Listening Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	3718	1268	-0.30	5.30	0.021	-0.11	0.05	0.823	0.00	0.16	0.690	
2	MC	3718	1268	0.10	1.46	0.227	-0.66	3.19	0.074	0.01	4.46	0.035	
3	MC	3718	1268	-0.24	7.33	0.007	0.17	0.18	0.670	0.00	1.12	0.290	Uniform<
4	MC	3718	1268	0.04	0.30	0.583	-0.16	0.24	0.625	0.00	0.38	0.539	
5	MC	3718	1268	-0.07	0.55	0.457	0.08	0.04	0.837	0.00	0.15	0.699	
6	MC	3718	1268	-0.08	0.96	0.327	-0.26	0.55	0.456	0.00	0.29	0.591	
7	MC	3718	1268	0.06	0.54	0.464	0.05	0.02	0.901	0.00	0.00	0.970	
8	MC	3718	1268	-0.04	0.35	0.553	-0.80	5.60	0.018	0.01	5.23	0.022	
9	MC	3718	1268	0.04	0.22	0.639	0.24	0.43	0.513	0.00	0.32	0.571	
10	MC	3718	1268	-0.08	1.33	0.250	0.84	5.97	0.015	-0.01	7.46	0.006	NonUniform
11	MC	3718	1268	-0.01	0.01	0.919	0.48	1.75	0.186	-0.01	1.87	0.172	
12	MC	3718	1268	0.04	0.39	0.532	0.47	1.84	0.175	0.00	1.58	0.209	
13	MC	3718	1268	-0.06	0.69	0.407	0.71	3.76	0.053	-0.01	4.61	0.032	
14	MC	3718	1268	0.03	0.21	0.644	0.18	0.22	0.639	0.00	0.15	0.695	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.214: Logistic Regression DIF Results on Stage IV Listening Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	145	1268	0.56	1.59	0.207	2.35	1.54	0.214	-0.02	1.02	0.312	
2	MC	145	1268	0.19	0.77	0.380	-0.37	0.11	0.739	0.01	0.27	0.606	
3	MC	145	1268	-0.36	2.72	0.099	0.78	0.55	0.459	-0.01	1.24	0.266	
4	MC	145	1268	-0.14	0.58	0.447	-1.74	2.77	0.096	0.02	2.44	0.118	
5	MC	145	1268	-0.31	2.02	0.155	-0.46	0.18	0.675	0.00	0.02	0.890	
6	MC	145	1268	0.49	4.20	0.040	0.25	0.05	0.824	0.00	0.05	0.828	
7	MC	145	1268	-0.34	2.94	0.087	-0.54	0.25	0.615	0.00	0.03	0.855	
8	MC	145	1268	-0.49	5.87	0.015	-2.68	4.73	0.030	0.02	3.34	0.068	
9	MC	145	1268	-0.09	0.22	0.642	0.66	0.44	0.509	-0.01	0.59	0.441	
10	MC	145	1268	-0.11	0.37	0.543	-0.12	0.01	0.903	0.00	0.00	0.993	
11	MC	145	1268	-0.28	2.29	0.130	-2.55	4.13	0.042	0.02	3.35	0.067	
12	MC	145	1268	-0.03	0.02	0.883	-0.62	0.35	0.554	0.01	0.33	0.566	
13	MC	145	1268	-0.49	6.79	0.009	0.92	0.88	0.347	-0.01	2.16	0.141	Uniform<
14	MC	145	1268	-0.39	3.56	0.059	1.35	1.51	0.219	-0.02	2.54	0.111	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.215: Logistic Regression DIF Results on Stage IV Listening Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	8879	1189	-0.07	0.36	0.551	-0.32	0.64	0.422	0.00	0.43	0.513	
2	MC	8879	1189	-0.16	3.91	0.048	0.06	0.03	0.858	0.00	0.47	0.491	
3	MC	8879	1189	-0.03	0.14	0.704	-0.04	0.02	0.900	0.00	0.00	0.974	
4	MC	8879	1189	-0.05	0.63	0.426	-0.34	1.51	0.219	0.00	1.15	0.283	
5	MC	8879	1189	0.02	0.06	0.810	0.09	0.08	0.781	0.00	0.05	0.824	
6	MC	8879	1189	-0.03	0.21	0.648	-0.40	1.81	0.179	0.00	1.62	0.203	
7	MC	8879	1189	-0.16	3.88	0.049	0.51	2.25	0.134	-0.01	4.12	0.042	
8	MC	8879	1189	0.03	0.27	0.602	0.24	0.60	0.438	0.00	0.46	0.496	
9	MC	8879	1189	0.02	0.05	0.821	0.34	1.12	0.290	0.00	1.07	0.301	
10	MC	8879	1189	0.08	1.53	0.216	0.48	2.68	0.101	0.00	1.94	0.163	
11	MC	8879	1189	0.00	0.00	0.970	-0.16	0.30	0.585	0.00	0.30	0.581	
12	MC	8879	1189	0.15	4.87	0.027	0.17	0.34	0.560	0.00	0.01	0.929	
13	MC	8879	1189	0.05	0.42	0.517	0.24	0.59	0.441	0.00	0.41	0.522	
14	MC	8879	1189	-0.11	2.69	0.101	0.28	0.67	0.413	0.00	1.36	0.244	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.216: Logistic Regression DIF Results on Stage IV Speaking Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	4332	6225	0.10	5.47	0.019	-0.32	3.14	0.077	0.00	5.51	0.019	
64	SA4	4332	6225	-0.02	0.24	0.624	-0.46	8.20	0.004	0.00	8.00	0.005	NonUniform
65	SA4	4332	6225	-0.17	15.35	0.000	-0.30	2.85	0.091	0.00	0.57	0.448	Uniform<
66	SA4	4332	6225	-0.25	43.81	0.000	-0.57	11.63	0.001	0.00	3.93	0.047	Uniform<
67	SA4	4332	6225	-0.25	33.55	0.000	-0.76	16.28	0.000	0.01	7.68	0.006	NonUniform
68	SA4	4332	6225	0.16	13.84	0.000	-0.54	8.49	0.004	0.01	15.05	0.000	NonUniform
69	SA4	4332	6225	-0.05	1.42	0.234	-0.81	21.79	0.000	0.01	20.27	0.000	NonUniform
70	SA4	4332	6225	-0.07	2.38	0.123	-0.70	16.86	0.000	0.01	14.71	0.000	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.217: Logistic Regression DIF Results on Stage IV Speaking Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	8609	1960	0.15	8.35	0.004	-0.86	16.17	0.000	0.01	23.43	0.000	NonUniform
64	SA4	8609	1960	0.30	42.33	0.000	0.22	1.29	0.256	0.00	0.19	0.666	Uniform>
65	SA4	8609	1960	0.18	11.91	0.001	-0.05	0.07	0.794	0.00	1.35	0.246	Uniform>
66	SA4	8609	1960	0.07	2.16	0.142	0.00	0.00	0.988	0.00	0.14	0.710	
67	SA4	8609	1960	0.25	22.29	0.000	-0.28	1.61	0.204	0.01	6.28	0.012	Uniform>
68	SA4	8609	1960	0.36	41.82	0.000	-0.12	0.30	0.587	0.00	5.00	0.025	Uniform>
69	SA4	8609	1960	0.11	4.85	0.028	-0.13	0.42	0.516	0.00	1.43	0.231	
70	SA4	8609	1960	-0.30	25.51	0.000	-0.08	0.16	0.692	0.00	1.16	0.282	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.218: Logistic Regression DIF Results on Stage IV Speaking Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1262	9307	-0.10	2.73	0.098	0.60	4.09	0.043	-0.01	5.83	0.016	
64	SA4	1262	9307	0.03	0.36	0.550	-0.18	0.46	0.496	0.00	0.68	0.411	
65	SA4	1262	9307	0.04	0.38	0.538	0.86	8.38	0.004	-0.01	7.99	0.005	NonUniform
66	SA4	1262	9307	0.28	24.68	0.000	0.58	4.41	0.036	0.00	1.22	0.269	Uniform>
67	SA4	1262	9307	-0.05	0.62	0.432	0.92	9.16	0.002	-0.01	10.73	0.001	NonUniform
68	SA4	1262	9307	-0.10	2.30	0.129	1.18	13.21	0.000	-0.01	16.25	0.000	NonUniform
69	SA4	1262	9307	-0.09	2.66	0.103	0.65	5.39	0.020	-0.01	7.38	0.007	NonUniform
70	SA4	1262	9307	0.52	52.31	0.000	0.99	10.06	0.002	0.00	2.36	0.125	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.219: Logistic Regression DIF Results on Stage IV Speaking Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1249	9320	0.36	32.57	0.000	1.52	28.08	0.000	-0.01	17.34	0.000	NonUniform
64	SA4	1249	9320	0.27	24.53	0.000	0.45	2.97	0.085	0.00	0.46	0.497	Uniform>
65	SA4	1249	9320	0.27	17.49	0.000	1.07	14.10	0.000	-0.01	8.35	0.004	NonUniform
66	SA4	1249	9320	0.28	24.12	0.000	0.64	5.81	0.016	0.00	1.94	0.164	Uniform>
67	SA4	1249	9320	0.50	55.54	0.000	1.47	24.24	0.000	-0.01	11.29	0.001	NonUniform
68	SA4	1249	9320	0.37	29.14	0.000	2.20	46.45	0.000	-0.02	33.84	0.000	NonUniform
69	SA4	1249	9320	0.29	24.29	0.000	1.50	31.39	0.000	-0.01	21.64	0.000	NonUniform
70	SA4	1249	9320	0.60	64.61	0.000	2.21	50.31	0.000	-0.02	28.55	0.000	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.220: Logistic Regression DIF Results on Stage IV Speaking Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	5583	4986	0.19	22.95	0.000	-0.69	15.56	0.000	0.01	26.47	0.000	NonUniform
64	SA4	5583	4986	0.09	6.57	0.010	-0.11	0.46	0.496	0.00	1.70	0.192	
65	SA4	5583	4986	0.05	1.26	0.262	0.07	0.17	0.682	0.00	0.02	0.889	
66	SA4	5583	4986	-0.07	3.99	0.046	-0.13	0.59	0.441	0.00	0.11	0.743	
67	SA4	5583	4986	0.12	8.07	0.005	-0.28	2.40	0.121	0.00	5.20	0.023	Uniform>
68	SA4	5583	4986	0.20	21.87	0.000	-0.07	0.14	0.707	0.00	2.30	0.129	Uniform>
69	SA4	5583	4986	0.08	4.52	0.033	-0.32	3.73	0.053	0.00	6.08	0.014	
70	SA4	5583	4986	-0.39	68.81	0.000	-0.12	0.53	0.468	0.00	2.69	0.101	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.221: Logistic Regression DIF Results on Stage IV Speaking Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	5583	1268	0.18	8.12	0.004	-1.37	19.76	0.000	0.02	26.40	0.000	NonUniform
64	SA4	5583	1268	0.07	1.63	0.202	-0.18	0.45	0.502	0.00	0.92	0.339	
65	SA4	5583	1268	-0.07	0.98	0.323	-0.27	0.74	0.389	0.00	0.43	0.511	
66	SA4	5583	1268	-0.17	8.33	0.004	-0.26	0.80	0.370	0.00	0.10	0.752	Uniform<
67	SA4	5583	1268	-0.05	0.56	0.453	-0.66	4.23	0.040	0.01	3.75	0.053	
68	SA4	5583	1268	0.11	2.55	0.110	-0.89	6.92	0.009	0.01	9.07	0.003	NonUniform
69	SA4	5583	1268	0.02	0.12	0.728	-0.71	5.92	0.015	0.01	6.50	0.011	
70	SA4	5583	1268	-0.59	58.84	0.000	-1.06	10.82	0.001	0.00	2.23	0.135	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.222: Logistic Regression DIF Results on Stage IV Speaking Items for the Non-Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	3718	1268	-0.02	0.09	0.760	-0.79	6.46	0.011	0.01	6.39	0.011	
64	SA4	3718	1268	-0.03	0.28	0.599	-0.10	0.14	0.711	0.00	0.07	0.790	
65	SA4	3718	1268	-0.15	4.35	0.037	-0.38	1.43	0.231	0.00	0.56	0.456	
66	SA4	3718	1268	-0.13	4.75	0.029	-0.19	0.41	0.523	0.00	0.04	0.850	
67	SA4	3718	1268	-0.23	10.67	0.001	-0.44	1.84	0.175	0.00	0.43	0.514	Uniform<
68	SA4	3718	1268	-0.13	3.01	0.083	-1.00	8.41	0.004	0.01	6.72	0.010	NonUniform
69	SA4	3718	1268	-0.09	1.84	0.174	-0.48	2.55	0.110	0.00	1.78	0.182	
70	SA4	3718	1268	-0.20	6.99	0.008	-1.02	9.98	0.002	0.01	6.81	0.009	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.223: Logistic Regression DIF Results on Stage IV Speaking Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	145	1268	-0.19	1.22	0.270	-1.38	2.12	0.146	0.01	1.59	0.207	
64	SA4	145	1268	0.08	0.27	0.602	-0.04	0.00	0.959	0.00	0.02	0.875	
65	SA4	145	1268	0.33	2.84	0.092	1.63	2.99	0.084	-0.01	1.99	0.159	
66	SA4	145	1268	0.24	2.02	0.156	-0.06	0.00	0.944	0.00	0.12	0.727	
67	SA4	145	1268	0.06	0.10	0.757	0.32	0.12	0.733	0.00	0.08	0.776	
68	SA4	145	1268	-0.45	4.51	0.034	0.01	0.00	0.991	0.00	0.20	0.653	
69	SA4	145	1268	0.01	0.00	0.967	-1.05	1.38	0.240	0.01	1.44	0.230	
70	SA4	145	1268	0.04	0.03	0.860	-0.72	0.60	0.439	0.01	0.69	0.408	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.224: Logistic Regression DIF Results on Stage IV Speaking Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	8879	1189	0.15	5.91	0.015	-0.19	0.50	0.480	0.00	1.71	0.190	
64	SA4	8879	1189	0.09	2.32	0.127	0.08	0.10	0.753	0.00	0.00	0.963	
65	SA4	8879	1189	-0.04	0.38	0.540	-0.61	5.24	0.022	0.01	4.82	0.028	
66	SA4	8879	1189	-0.04	0.55	0.458	0.48	3.57	0.059	-0.01	4.46	0.035	
67	SA4	8879	1189	-0.03	0.14	0.708	-0.28	0.96	0.327	0.00	0.84	0.359	
68	SA4	8879	1189	0.02	0.05	0.817	-0.36	1.59	0.207	0.00	1.84	0.175	
69	SA4	8879	1189	-0.03	0.23	0.632	-0.16	0.39	0.535	0.00	0.27	0.601	
70	SA4	8879	1189	-0.08	1.06	0.303	-0.40	2.35	0.125	0.00	1.70	0.192	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.225: Logistic Regression DIF Results on Stage V Reading Items for the Male/Female Comparison

Focal Group: Male; Reference Group: Female													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2245	3009	-0.12	3.89	0.049	0.27	1.42	0.234	0.00	3.06	0.080	
16	MC	2245	3009	0.19	6.37	0.012	0.15	0.30	0.584	0.00	0.02	0.902	
17	MC	2245	3009	-0.05	0.40	0.527	0.04	0.01	0.910	0.00	0.07	0.788	
18	MC	2245	3009	0.06	1.21	0.272	-0.04	0.03	0.856	0.00	0.20	0.651	
19	MC	2245	3009	-0.40	36.88	0.000	0.08	0.08	0.779	-0.01	2.97	0.085	Uniform<
20	MC	2245	3009	0.19	3.08	0.079	0.21	0.30	0.583	0.00	0.00	0.959	
21	MC	2245	3009	0.09	2.19	0.139	0.11	0.22	0.639	0.00	0.01	0.908	
22	MC	2245	3009	0.11	3.33	0.068	0.12	0.24	0.625	0.00	0.00	0.944	
23	MC	2245	3009	0.33	19.46	0.000	-0.18	0.32	0.571	0.01	2.64	0.104	Uniform>
24	MC	2245	3009	0.06	1.03	0.310	-0.43	2.52	0.113	0.01	3.44	0.064	
25	MC	2245	3009	-0.01	0.01	0.907	-0.53	4.45	0.035	0.01	4.58	0.032	
26	MC	2245	3009	0.12	3.75	0.053	0.17	0.36	0.547	0.00	0.04	0.847	
27	MC	2245	3009	0.34	32.97	0.000	-0.05	0.04	0.850	0.00	2.51	0.113	Uniform>
28	MC	2245	3009	0.30	21.06	0.000	-0.05	0.03	0.859	0.00	1.69	0.194	Uniform>
29	MC	2245	3009	0.11	3.13	0.077	-0.05	0.03	0.860	0.00	0.35	0.554	
30	MC	2245	3009	0.15	6.33	0.012	0.20	0.63	0.426	0.00	0.04	0.834	
31	MC	2245	3009	-0.15	6.27	0.012	-0.03	0.01	0.908	0.00	0.21	0.645	
32	MC	2245	3009	0.27	14.72	0.000	0.55	3.74	0.053	0.00	1.05	0.305	Uniform>
33	MC	2245	3009	0.02	0.10	0.746	-0.22	0.52	0.470	0.00	0.65	0.420	
34	MC	2245	3009	0.18	6.54	0.011	0.44	2.42	0.120	0.00	0.87	0.351	
35	MC	2245	3009	0.04	0.45	0.501	0.24	0.83	0.361	0.00	0.61	0.435	
36	MC	2245	3009	-0.12	3.66	0.056	0.03	0.01	0.906	0.00	0.31	0.577	
37	MC	2245	3009	0.17	8.10	0.004	0.13	0.21	0.646	0.00	0.03	0.871	Uniform>
38	MC	2245	3009	0.28	22.20	0.000	0.11	0.18	0.674	0.00	0.45	0.501	Uniform>
39	MC	2245	3009	0.17	7.81	0.005	0.72	6.92	0.009	-0.01	4.25	0.039	Uniform>
40	MC	2245	3009	0.07	1.31	0.253	-0.59	4.62	0.032	0.01	6.05	0.014	
41	MC	2245	3009	-0.01	0.05	0.826	0.06	0.04	0.834	0.00	0.07	0.789	
42	MC	2245	3009	-0.04	0.39	0.530	-0.32	1.28	0.259	0.00	1.04	0.308	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.226: Logistic Regression DIF Results on Stage V Reading Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	3624	1641	0.06	0.99	0.319	0.36	2.12	0.145	0.00	1.55	0.213	
16	MC	3624	1641	0.03	0.12	0.729	0.12	0.17	0.683	0.00	0.11	0.744	
17	MC	3624	1641	0.13	2.74	0.098	0.64	3.54	0.060	-0.01	2.38	0.123	
18	MC	3624	1641	0.16	6.81	0.009	0.46	3.01	0.083	0.00	1.34	0.247	Uniform>
19	MC	3624	1641	-0.57	61.53	0.000	0.61	3.70	0.054	-0.01	14.46	0.000	NonUniform
20	MC	3624	1641	0.20	3.23	0.072	0.46	1.36	0.244	0.00	0.46	0.497	
21	MC	3624	1641	0.56	80.64	0.000	1.25	21.27	0.000	-0.01	6.85	0.009	NonUniform
22	MC	3624	1641	0.17	7.67	0.006	0.08	0.09	0.763	0.00	0.12	0.730	Uniform>
23	MC	3624	1641	-0.27	11.25	0.001	-0.54	2.67	0.102	0.00	0.72	0.396	Uniform<
24	MC	3624	1641	0.38	33.32	0.000	-0.48	2.72	0.099	0.01	9.12	0.003	NonUniform
25	MC	3624	1641	0.33	28.59	0.000	-0.19	0.50	0.480	0.01	4.08	0.044	Uniform>
26	MC	3624	1641	0.17	7.23	0.007	-0.28	0.87	0.350	0.00	2.40	0.121	Uniform>
27	MC	3624	1641	0.19	9.20	0.002	-0.03	0.01	0.912	0.00	0.73	0.394	Uniform>
28	MC	3624	1641	0.09	1.59	0.207	0.11	0.15	0.699	0.00	0.01	0.929	
29	MC	3624	1641	-0.03	0.15	0.700	-0.70	6.18	0.013	0.01	6.06	0.014	
30	MC	3624	1641	0.20	9.75	0.002	1.20	18.15	0.000	-0.01	13.41	0.000	NonUniform
31	MC	3624	1641	0.30	22.48	0.000	0.47	2.70	0.100	0.00	0.37	0.545	Uniform>
32	MC	3624	1641	-0.13	3.11	0.078	0.53	2.99	0.084	-0.01	4.91	0.027	
33	MC	3624	1641	0.20	8.38	0.004	0.82	5.72	0.017	-0.01	3.43	0.064	Uniform>
34	MC	3624	1641	-0.19	5.91	0.015	0.56	3.32	0.069	-0.01	6.31	0.012	
35	MC	3624	1641	-0.36	33.66	0.000	-0.49	3.30	0.069	0.00	0.24	0.624	Uniform<
36	MC	3624	1641	0.12	3.20	0.074	-0.73	6.26	0.012	0.01	8.92	0.003	NonUniform
37	MC	3624	1641	0.08	1.44	0.229	0.27	0.83	0.362	0.00	0.45	0.503	
38	MC	3624	1641	-0.01	0.03	0.872	0.43	2.25	0.133	0.00	2.49	0.114	
39	MC	3624	1641	-0.10	2.41	0.120	-0.52	3.31	0.069	0.00	2.27	0.132	
40	MC	3624	1641	0.06	0.87	0.352	-0.07	0.07	0.796	0.00	0.23	0.634	
41	MC	3624	1641	-0.21	10.84	0.001	0.58	4.17	0.041	-0.01	8.31	0.004	NonUniform
42	MC	3624	1641	-0.02	0.06	0.803	0.04	0.02	0.897	0.00	0.04	0.851	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.227: Logistic Regression DIF Results on Stage V Reading Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	453	4812	0.52	21.27	0.000	-1.14	4.25	0.039	0.02	9.16	0.002	NonUniform
16	MC	453	4812	-0.12	0.90	0.342	-0.17	0.08	0.776	0.00	0.01	0.934	
17	MC	453	4812	0.14	1.04	0.308	-0.24	0.12	0.726	0.00	0.31	0.575	
18	MC	453	4812	0.15	2.27	0.132	0.25	0.25	0.617	0.00	0.04	0.838	
19	MC	453	4812	1.39	83.03	0.000	-0.68	0.77	0.380	0.02	7.08	0.008	NonUniform
20	MC	453	4812	-0.01	0.00	0.946	-2.58	5.54	0.019	0.03	5.40	0.020	
21	MC	453	4812	-0.48	22.23	0.000	-1.21	4.93	0.026	0.01	1.87	0.171	Uniform<
22	MC	453	4812	-0.18	3.23	0.072	-1.36	5.57	0.018	0.01	4.34	0.037	
23	MC	453	4812	-0.36	8.24	0.004	-0.52	0.61	0.436	0.00	0.06	0.811	Uniform<
24	MC	453	4812	-0.26	5.98	0.014	-0.01	0.00	0.986	0.00	0.20	0.653	
25	MC	453	4812	-0.52	24.92	0.000	-1.80	9.07	0.003	0.01	4.79	0.029	Uniform<
26	MC	453	4812	-0.01	0.00	0.947	-0.78	1.68	0.195	0.01	1.71	0.191	
27	MC	453	4812	-0.13	1.65	0.199	-0.92	2.85	0.092	0.01	2.18	0.140	
28	MC	453	4812	-0.34	9.27	0.002	-1.01	2.77	0.096	0.01	1.26	0.262	Uniform<
29	MC	453	4812	-0.37	12.20	0.000	-1.01	2.86	0.091	0.01	1.19	0.275	Uniform<
30	MC	453	4812	-0.29	7.75	0.005	-2.72	18.42	0.000	0.02	15.25	0.000	NonUniform
31	MC	453	4812	-0.09	0.83	0.361	-0.22	0.16	0.690	0.00	0.05	0.817	
32	MC	453	4812	-0.35	8.61	0.003	-1.83	7.65	0.006	0.02	5.17	0.023	Uniform<
33	MC	453	4812	-0.26	5.42	0.020	-0.58	0.82	0.364	0.00	0.27	0.606	
34	MC	453	4812	-0.33	7.15	0.008	-2.03	9.15	0.002	0.02	6.59	0.010	Uniform<
35	MC	453	4812	0.00	0.00	0.978	0.18	0.12	0.732	0.00	0.12	0.731	
36	MC	453	4812	0.21	3.48	0.062	-0.91	2.07	0.150	0.01	3.23	0.072	
37	MC	453	4812	-0.36	11.14	0.001	0.50	0.78	0.377	-0.01	2.38	0.123	Uniform<
38	MC	453	4812	-0.33	9.93	0.002	-1.19	4.05	0.044	0.01	2.19	0.139	Uniform<
39	MC	453	4812	-0.56	24.11	0.000	-0.02	0.00	0.975	-0.01	0.82	0.364	Uniform<
40	MC	453	4812	-0.01	0.01	0.931	1.16	4.90	0.027	-0.01	5.13	0.023	
41	MC	453	4812	-0.10	0.88	0.349	0.40	0.53	0.466	-0.01	0.87	0.352	
42	MC	453	4812	0.06	0.28	0.595	-0.48	0.68	0.410	0.01	0.87	0.350	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.228: Logistic Regression DIF Results on Stage V Reading Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	300	4965	0.41	9.76	0.002	-1.01	2.87	0.090	0.02	5.85	0.016	Uniform>
16	MC	300	4965	-0.57	17.60	0.000	-1.87	7.58	0.006	0.02	3.82	0.051	Uniform<
17	MC	300	4965	-0.33	5.73	0.017	0.61	0.88	0.349	-0.01	2.22	0.136	
18	MC	300	4965	0.11	0.86	0.354	-1.18	3.66	0.056	0.01	4.62	0.032	
19	MC	300	4965	0.78	29.04	0.000	-0.93	1.56	0.212	0.02	5.37	0.020	Uniform>
20	MC	300	4965	-0.42	4.88	0.027	-1.57	3.07	0.080	0.02	1.69	0.194	
21	MC	300	4965	-0.44	12.61	0.000	0.68	1.50	0.221	-0.01	4.23	0.040	Uniform<
22	MC	300	4965	-0.24	3.69	0.055	-0.38	0.38	0.537	0.00	0.05	0.818	
23	MC	300	4965	-0.40	8.52	0.004	-0.95	1.68	0.195	0.01	0.58	0.448	Uniform<
24	MC	300	4965	-0.12	0.82	0.365	1.55	6.81	0.009	-0.02	8.08	0.004	NonUniform
25	MC	300	4965	-0.25	3.83	0.050	1.18	4.38	0.036	-0.02	6.61	0.010	
26	MC	300	4965	-0.36	7.17	0.007	0.47	0.52	0.472	-0.01	1.66	0.198	Uniform<
27	MC	300	4965	-0.19	2.44	0.119	-1.30	4.19	0.041	0.01	3.19	0.074	
28	MC	300	4965	-0.36	7.65	0.006	-0.47	0.54	0.464	0.00	0.03	0.860	Uniform<
29	MC	300	4965	-0.28	4.86	0.027	0.07	0.01	0.915	0.00	0.32	0.570	
30	MC	300	4965	-0.42	11.16	0.001	0.08	0.02	0.897	-0.01	0.73	0.392	Uniform<
31	MC	300	4965	-0.05	0.18	0.672	0.66	1.25	0.264	-0.01	1.52	0.218	
32	MC	300	4965	-0.63	23.29	0.000	-2.48	10.77	0.001	0.02	6.19	0.013	Uniform<
33	MC	300	4965	-0.40	9.17	0.002	0.73	1.22	0.269	-0.01	3.04	0.081	Uniform<
34	MC	300	4965	-0.38	7.80	0.005	-0.38	0.37	0.543	0.00	0.00	0.992	Uniform<
35	MC	300	4965	-0.26	4.09	0.043	0.20	0.10	0.748	-0.01	0.58	0.447	
36	MC	300	4965	0.08	0.35	0.555	-0.41	0.38	0.540	0.01	0.55	0.458	
37	MC	300	4965	-0.19	2.08	0.149	0.58	0.80	0.372	-0.01	1.47	0.225	
38	MC	300	4965	-0.35	7.78	0.005	0.44	0.54	0.463	-0.01	1.82	0.177	Uniform<
39	MC	300	4965	-0.26	3.66	0.056	0.94	2.16	0.142	-0.01	3.63	0.057	
40	MC	300	4965	-0.13	0.99	0.321	0.09	0.02	0.895	0.00	0.12	0.733	
41	MC	300	4965	0.16	1.60	0.206	-1.21	3.29	0.070	0.02	4.51	0.034	
42	MC	300	4965	-0.07	0.30	0.581	0.65	1.10	0.295	-0.01	1.40	0.237	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.229: Logistic Regression DIF Results on Stage V Reading Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1947	3318	-0.11	3.38	0.066	0.35	2.34	0.126	-0.01	4.31	0.038	
16	MC	1947	3318	0.18	5.54	0.019	0.10	0.13	0.715	0.00	0.07	0.785	
17	MC	1947	3318	0.05	0.42	0.515	0.00	0.00	0.990	0.00	0.02	0.885	
18	MC	1947	3318	-0.03	0.29	0.588	0.31	1.60	0.205	0.00	2.07	0.150	
19	MC	1947	3318	-0.82	151.53	0.000	0.46	2.64	0.104	-0.01	21.43	0.000	NonUniform
20	MC	1947	3318	0.23	4.32	0.038	0.43	1.23	0.267	0.00	0.29	0.588	
21	MC	1947	3318	0.49	65.21	0.000	0.95	14.98	0.000	-0.01	3.69	0.055	Uniform>
22	MC	1947	3318	0.21	12.85	0.000	0.02	0.01	0.941	0.00	0.62	0.431	Uniform>
23	MC	1947	3318	-0.05	0.42	0.515	-0.49	2.32	0.127	0.01	1.99	0.158	
24	MC	1947	3318	0.27	18.97	0.000	-0.24	0.75	0.386	0.01	3.58	0.059	Uniform>
25	MC	1947	3318	0.19	10.12	0.001	0.01	0.00	0.965	0.00	0.53	0.465	Uniform>
26	MC	1947	3318	0.15	5.87	0.015	0.07	0.06	0.801	0.00	0.08	0.777	
27	MC	1947	3318	0.20	10.75	0.001	0.53	4.58	0.032	0.00	1.93	0.165	Uniform>
28	MC	1947	3318	0.13	3.90	0.048	0.13	0.22	0.639	0.00	0.00	0.995	
29	MC	1947	3318	0.01	0.04	0.847	-0.33	1.41	0.235	0.00	1.60	0.206	
30	MC	1947	3318	0.23	14.33	0.000	0.92	13.33	0.000	-0.01	7.95	0.005	NonUniform
31	MC	1947	3318	0.28	21.09	0.000	0.57	4.83	0.028	0.00	1.36	0.244	Uniform>
32	MC	1947	3318	0.08	1.18	0.277	0.62	4.86	0.028	-0.01	3.99	0.046	
33	MC	1947	3318	0.13	4.00	0.045	0.74	5.71	0.017	-0.01	4.03	0.045	
34	MC	1947	3318	0.11	2.35	0.125	0.38	1.82	0.177	0.00	0.97	0.324	
35	MC	1947	3318	0.08	1.95	0.162	0.00	0.00	0.998	0.00	0.11	0.739	
36	MC	1947	3318	0.12	3.28	0.070	-0.06	0.04	0.846	0.00	0.38	0.536	
37	MC	1947	3318	0.20	10.67	0.001	0.58	4.40	0.036	0.00	1.97	0.160	Uniform>
38	MC	1947	3318	0.15	5.80	0.016	0.86	10.65	0.001	-0.01	7.71	0.005	NonUniform
39	MC	1947	3318	0.13	4.46	0.035	-0.36	1.70	0.193	0.01	3.31	0.069	
40	MC	1947	3318	0.03	0.24	0.624	-0.56	4.09	0.043	0.01	4.78	0.029	
41	MC	1947	3318	-0.28	19.25	0.000	-0.05	0.03	0.861	0.00	0.80	0.371	Uniform<
42	MC	1947	3318	0.04	0.33	0.568	0.27	0.95	0.329	0.00	0.76	0.383	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.230: Logistic Regression DIF Results on Stage V Reading Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1947	600	-0.22	4.95	0.026	0.31	0.58	0.446	-0.01	1.82	0.177	
16	MC	1947	600	0.41	11.63	0.001	0.16	0.12	0.732	0.00	0.29	0.590	Uniform>
17	MC	1947	600	0.01	0.01	0.917	-0.58	1.27	0.259	0.01	1.41	0.234	
18	MC	1947	600	-0.15	2.44	0.118	0.37	0.81	0.368	-0.01	1.68	0.195	
19	MC	1947	600	-0.74	46.41	0.000	0.14	0.08	0.780	-0.01	3.42	0.064	Uniform<
20	MC	1947	600	-0.22	1.24	0.265	-0.59	0.69	0.407	0.01	0.29	0.589	
21	MC	1947	600	0.27	7.58	0.006	0.40	0.93	0.334	0.00	0.10	0.751	Uniform>
22	MC	1947	600	0.16	2.73	0.098	0.05	0.01	0.904	0.00	0.07	0.794	
23	MC	1947	600	0.06	0.24	0.622	-0.33	0.37	0.545	0.00	0.54	0.461	
24	MC	1947	600	0.12	1.36	0.243	-0.58	1.69	0.193	0.01	2.56	0.109	
25	MC	1947	600	0.16	2.72	0.099	0.28	0.43	0.510	0.00	0.09	0.770	
26	MC	1947	600	0.17	2.81	0.093	1.07	4.25	0.039	-0.01	3.14	0.077	
27	MC	1947	600	0.14	2.06	0.151	0.22	0.29	0.593	0.00	0.04	0.837	
28	MC	1947	600	0.06	0.27	0.601	0.50	1.04	0.308	-0.01	0.85	0.356	
29	MC	1947	600	0.20	3.77	0.052	-0.62	1.91	0.168	0.01	3.50	0.061	
30	MC	1947	600	0.39	15.74	0.000	0.54	1.65	0.199	0.00	0.14	0.706	Uniform>
31	MC	1947	600	0.32	10.34	0.001	0.89	3.78	0.052	-0.01	1.65	0.199	Uniform>
32	MC	1947	600	0.04	0.12	0.732	0.59	1.46	0.227	-0.01	1.34	0.247	
33	MC	1947	600	0.13	1.58	0.209	0.21	0.17	0.677	0.00	0.02	0.875	
34	MC	1947	600	0.20	2.87	0.090	0.88	3.08	0.079	-0.01	1.94	0.164	
35	MC	1947	600	0.13	1.61	0.205	0.12	0.08	0.784	0.00	0.00	0.993	
36	MC	1947	600	0.07	0.45	0.504	0.65	1.65	0.200	-0.01	1.37	0.242	
37	MC	1947	600	0.21	4.25	0.039	0.44	0.89	0.345	0.00	0.26	0.607	
38	MC	1947	600	0.16	2.59	0.108	0.70	2.41	0.120	-0.01	1.51	0.219	
39	MC	1947	600	-0.02	0.03	0.858	-0.97	4.80	0.028	0.01	4.84	0.028	
40	MC	1947	600	0.22	4.59	0.032	0.30	0.37	0.541	0.00	0.03	0.868	
41	MC	1947	600	-0.21	4.28	0.039	0.07	0.02	0.882	0.00	0.41	0.522	
42	MC	1947	600	0.05	0.21	0.643	0.37	0.60	0.439	0.00	0.48	0.489	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.231: Logistic Regression DIF Results on Stage V Reading Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2718	600	-0.13	1.75	0.186	-0.06	0.02	0.884	0.00	0.03	0.853	
16	MC	2718	600	0.28	6.13	0.013	0.06	0.02	0.895	0.00	0.25	0.614	
17	MC	2718	600	-0.04	0.11	0.741	-0.72	2.03	0.154	0.01	1.93	0.165	
18	MC	2718	600	-0.14	2.31	0.128	0.08	0.04	0.849	0.00	0.30	0.582	
19	MC	2718	600	0.08	0.48	0.486	-0.40	0.68	0.410	0.01	1.03	0.310	
20	MC	2718	600	-0.53	7.33	0.007	-1.19	2.95	0.086	0.01	1.00	0.317	Uniform<
21	MC	2718	600	-0.26	7.31	0.007	-0.68	2.81	0.094	0.00	1.14	0.285	Uniform<
22	MC	2718	600	-0.07	0.54	0.461	0.04	0.01	0.925	0.00	0.07	0.790	
23	MC	2718	600	0.12	1.10	0.294	0.20	0.15	0.702	0.00	0.02	0.881	
24	MC	2718	600	-0.19	3.92	0.048	-0.42	0.94	0.332	0.00	0.29	0.587	
25	MC	2718	600	-0.04	0.20	0.657	0.33	0.61	0.434	0.00	0.82	0.365	
26	MC	2718	600	0.02	0.02	0.877	1.19	5.51	0.019	-0.01	5.62	0.018	
27	MC	2718	600	-0.06	0.41	0.524	-0.38	0.84	0.360	0.00	0.62	0.430	
28	MC	2718	600	-0.10	0.81	0.369	0.44	0.84	0.361	-0.01	1.30	0.254	
29	MC	2718	600	0.23	5.27	0.022	-0.36	0.69	0.405	0.01	1.92	0.166	
30	MC	2718	600	0.23	5.49	0.019	-0.47	1.23	0.268	0.01	2.84	0.092	
31	MC	2718	600	0.05	0.32	0.572	0.39	0.72	0.395	0.00	0.56	0.454	
32	MC	2718	600	-0.04	0.10	0.754	-0.04	0.01	0.940	0.00	0.00	0.998	
33	MC	2718	600	0.02	0.02	0.878	-0.65	1.65	0.199	0.01	1.81	0.179	
34	MC	2718	600	0.11	0.95	0.330	0.59	1.47	0.226	-0.01	1.02	0.313	
35	MC	2718	600	0.05	0.25	0.616	0.15	0.12	0.733	0.00	0.06	0.812	
36	MC	2718	600	-0.07	0.41	0.522	0.85	2.89	0.089	-0.01	3.50	0.061	
37	MC	2718	600	0.02	0.03	0.868	-0.17	0.13	0.718	0.00	0.16	0.685	
38	MC	2718	600	0.03	0.10	0.754	-0.20	0.19	0.662	0.00	0.27	0.604	
39	MC	2718	600	-0.18	3.67	0.055	-0.75	3.05	0.081	0.01	1.81	0.179	
40	MC	2718	600	0.21	4.65	0.031	1.03	4.68	0.031	-0.01	3.12	0.077	
41	MC	2718	600	0.09	0.79	0.375	0.14	0.10	0.753	0.00	0.01	0.907	
42	MC	2718	600	0.02	0.03	0.864	0.12	0.06	0.806	0.00	0.05	0.829	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.232: Logistic Regression DIF Results on Stage V Reading Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	45	600	0.50	1.78	0.182	-1.19	0.46	0.497	0.02	0.95	0.331	
16	MC	45	600	0.69	2.16	0.142	0.79	0.16	0.691	0.00	0.00	0.958	
17	MC	45	600	-0.01	0.00	0.977	3.08	3.16	0.076	-0.03	3.52	0.061	
18	MC	45	600	-0.03	0.01	0.925	0.30	0.03	0.852	0.00	0.04	0.834	
19	MC	45	600	1.51	7.27	0.007	-0.18	0.01	0.941	0.02	0.47	0.491	Uniform>
20	MC	45	600	0.91	0.74	0.389	-75.12	0.22	0.639	1.53	0.22	0.639	
21	MC	45	600	-0.47	2.15	0.142	-1.17	0.47	0.494	0.01	0.18	0.675	
22	MC	45	600	-0.08	0.06	0.809	-2.05	1.09	0.297	0.02	1.05	0.306	
23	MC	45	600	-0.06	0.02	0.877	0.60	0.10	0.751	-0.01	0.13	0.719	
24	MC	45	600	-0.43	1.63	0.202	-2.43	1.25	0.264	0.02	0.88	0.347	
25	MC	45	600	-1.17	9.64	0.002	-1.51	0.48	0.489	0.00	0.03	0.872	Uniform<
26	MC	45	600	-0.40	1.35	0.246	3.47	4.57	0.032	-0.04	5.68	0.017	
27	MC	45	600	-0.83	6.20	0.013	-6.08	4.50	0.034	0.05	3.53	0.060	
28	MC	45	600	-0.28	0.60	0.440	0.51	0.08	0.772	-0.01	0.21	0.646	
29	MC	45	600	-0.60	3.36	0.067	-4.62	3.18	0.075	0.04	2.50	0.114	
30	MC	45	600	-0.24	0.53	0.465	-4.71	3.56	0.059	0.04	3.35	0.067	
31	MC	45	600	-0.76	4.51	0.034	-2.61	1.13	0.289	0.02	0.59	0.443	
32	MC	45	600	-0.29	0.58	0.446	-1.64	0.63	0.426	0.01	0.45	0.504	
33	MC	45	600	-0.48	1.97	0.161	-1.12	0.28	0.595	0.01	0.10	0.757	
34	MC	45	600	-0.44	1.33	0.249	-1.74	0.70	0.403	0.01	0.40	0.525	
35	MC	45	600	0.19	0.35	0.555	-0.53	0.09	0.765	0.01	0.17	0.679	
36	MC	45	600	0.06	0.03	0.870	-1.00	0.23	0.633	0.01	0.26	0.608	
37	MC	45	600	-0.65	3.13	0.077	-0.14	0.01	0.944	0.00	0.06	0.802	
38	MC	45	600	-0.03	0.01	0.934	-0.62	0.12	0.734	0.01	0.11	0.741	
39	MC	45	600	-0.56	2.50	0.114	2.02	1.50	0.221	-0.03	2.43	0.119	
40	MC	45	600	-0.16	0.23	0.635	2.29	1.91	0.167	-0.02	2.21	0.137	
41	MC	45	600	0.30	0.87	0.351	0.43	0.07	0.794	0.00	0.01	0.937	
42	MC	45	600	0.14	0.18	0.668	2.16	1.87	0.171	-0.02	1.69	0.193	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.233: Logistic Regression DIF Results on Stage V Reading Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	4206	861	-0.10	1.65	0.199	0.00	0.00	0.988	0.00	0.10	0.753	
16	MC	4206	861	-0.08	0.55	0.457	-0.12	0.09	0.764	0.00	0.01	0.915	
17	MC	4206	861	0.06	0.40	0.528	-0.05	0.01	0.903	0.00	0.08	0.781	
18	MC	4206	861	-0.12	2.48	0.116	-0.30	0.81	0.368	0.00	0.30	0.584	
19	MC	4206	861	-0.37	15.72	0.000	-0.38	0.95	0.329	0.00	0.00	0.967	Uniform<
20	MC	4206	861	-0.08	0.27	0.605	-0.21	0.15	0.696	0.00	0.06	0.803	
21	MC	4206	861	0.11	1.80	0.180	0.21	0.38	0.539	0.00	0.10	0.758	
22	MC	4206	861	0.12	2.32	0.128	0.84	5.13	0.024	-0.01	3.97	0.046	
23	MC	4206	861	0.10	0.94	0.332	-0.22	0.27	0.606	0.00	0.59	0.444	
24	MC	4206	861	0.15	3.42	0.064	0.68	2.98	0.084	-0.01	1.91	0.168	
25	MC	4206	861	0.03	0.15	0.696	0.72	4.09	0.043	-0.01	3.97	0.046	
26	MC	4206	861	0.00	0.00	0.979	0.82	4.02	0.045	-0.01	4.24	0.040	
27	MC	4206	861	0.07	0.89	0.345	0.64	3.25	0.072	-0.01	2.67	0.102	
28	MC	4206	861	0.02	0.04	0.840	0.07	0.03	0.858	0.00	0.02	0.892	
29	MC	4206	861	0.00	0.00	0.978	0.06	0.03	0.874	0.00	0.02	0.876	
30	MC	4206	861	0.13	2.53	0.112	0.48	1.83	0.176	0.00	1.05	0.306	
31	MC	4206	861	-0.04	0.25	0.619	0.26	0.51	0.474	0.00	0.71	0.398	
32	MC	4206	861	-0.20	4.33	0.038	-0.08	0.04	0.840	0.00	0.10	0.751	
33	MC	4206	861	-0.09	1.03	0.310	0.07	0.03	0.864	0.00	0.15	0.698	
34	MC	4206	861	-0.04	0.19	0.660	-0.19	0.25	0.619	0.00	0.16	0.691	
35	MC	4206	861	0.04	0.25	0.618	0.22	0.36	0.547	0.00	0.26	0.612	
36	MC	4206	861	-0.18	4.37	0.037	0.27	0.46	0.498	0.00	1.34	0.248	
37	MC	4206	861	0.13	2.46	0.117	1.10	6.98	0.008	-0.01	5.73	0.017	
38	MC	4206	861	-0.06	0.50	0.480	0.82	4.49	0.034	-0.01	5.40	0.020	
39	MC	4206	861	-0.07	0.69	0.407	0.70	3.20	0.074	-0.01	4.04	0.044	
40	MC	4206	861	-0.08	1.13	0.288	0.48	1.58	0.209	-0.01	2.29	0.130	
41	MC	4206	861	-0.02	0.04	0.847	-0.29	0.67	0.412	0.00	0.63	0.427	
42	MC	4206	861	-0.15	3.25	0.071	1.06	6.60	0.010	-0.01	8.94	0.003	NonUniform

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.234: Logistic Regression DIF Results on Stage V Writing Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	2245	3009	0.36	13.96	0.000	0.19	0.34	0.563	0.00	0.27	0.604	Uniform>
44	MC	2245	3009	0.10	2.71	0.100	-0.23	0.81	0.369	0.00	1.72	0.190	
45	MC	2245	3009	0.33	15.73	0.000	0.24	0.66	0.417	0.00	0.09	0.764	Uniform>
46	MC	2245	3009	0.02	0.10	0.754	-0.39	1.49	0.222	0.00	1.76	0.184	
47	MC	2245	3009	-0.30	13.68	0.000	0.19	0.28	0.594	0.00	2.02	0.155	Uniform<
48	MC	2245	3009	-0.16	4.86	0.028	0.41	1.86	0.173	-0.01	3.80	0.051	
49	MC	2245	3009	0.01	0.05	0.830	-0.12	0.22	0.643	0.00	0.28	0.598	
50	MC	2245	3009	-0.15	5.80	0.016	-0.34	1.54	0.215	0.00	0.54	0.463	
51	MC	2245	3009	-0.03	0.24	0.625	0.19	0.64	0.425	0.00	0.89	0.346	
52	MC	2245	3009	-0.04	0.30	0.583	-0.18	0.35	0.555	0.00	0.23	0.629	
53	MC	2245	3009	-0.17	7.55	0.006	0.14	0.26	0.608	0.00	1.35	0.246	Uniform<
54	MC	2245	3009	-0.04	0.40	0.527	-0.11	0.16	0.686	0.00	0.07	0.788	
55	MC	2245	3009	0.02	0.12	0.734	0.07	0.06	0.805	0.00	0.03	0.863	
56	MC	2245	3009	0.10	3.04	0.081	-0.21	0.69	0.408	0.00	1.59	0.207	
57	MC	2245	3009	-0.08	1.47	0.226	0.10	0.14	0.704	0.00	0.47	0.494	
58	MC	2245	3009	-0.08	1.33	0.248	-0.66	3.95	0.047	0.01	3.22	0.073	
59	MC	2245	3009	0.38	32.17	0.000	0.07	0.05	0.815	0.00	1.16	0.281	Uniform>
60	MC	2245	3009	0.04	0.45	0.501	-0.26	1.12	0.290	0.00	1.57	0.210	
61	ER	2245	3009	0.34	39.62	0.000	0.11	0.26	0.613	0.00	1.24	0.265	Uniform>
62	ER	2245	3009	0.32	33.03	0.000	-0.37	2.87	0.090	0.01	10.62	0.001	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.235: Logistic Regression DIF Results on Stage V Writing Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	3624	1641	-0.15	2.17	0.141	1.09	9.27	0.002	-0.02	12.73	0.000	NonUniform
44	MC	3624	1641	-0.09	2.30	0.129	-0.54	4.10	0.043	0.00	2.93	0.087	
45	MC	3624	1641	-0.07	0.70	0.403	0.55	3.05	0.081	-0.01	4.21	0.040	
46	MC	3624	1641	-0.15	3.95	0.047	0.06	0.03	0.861	0.00	0.41	0.523	
47	MC	3624	1641	-0.18	4.67	0.031	-0.04	0.01	0.907	0.00	0.15	0.696	
48	MC	3624	1641	-0.41	26.21	0.000	-0.87	7.59	0.006	0.01	2.28	0.131	Uniform<
49	MC	3624	1641	0.09	1.76	0.184	-0.19	0.45	0.504	0.00	1.01	0.315	
50	MC	3624	1641	-0.25	15.59	0.000	0.47	2.53	0.112	-0.01	6.28	0.012	Uniform<
51	MC	3624	1641	-0.31	24.38	0.000	-0.59	5.37	0.020	0.00	1.29	0.257	Uniform<
52	MC	3624	1641	-0.13	3.55	0.059	0.06	0.04	0.843	0.00	0.38	0.535	
53	MC	3624	1641	-0.37	29.18	0.000	-0.65	4.83	0.028	0.00	0.93	0.336	Uniform<
54	MC	3624	1641	-0.06	1.00	0.317	0.00	0.00	0.996	0.00	0.05	0.819	
55	MC	3624	1641	0.15	4.51	0.034	0.44	2.17	0.141	0.00	1.02	0.311	
56	MC	3624	1641	0.26	17.90	0.000	-0.02	0.01	0.933	0.00	1.20	0.274	Uniform>
57	MC	3624	1641	0.03	0.17	0.679	0.74	6.46	0.011	-0.01	6.32	0.012	
58	MC	3624	1641	0.35	21.96	0.000	-0.11	0.10	0.756	0.00	1.74	0.188	Uniform>
59	MC	3624	1641	-0.26	12.97	0.000	-0.73	5.61	0.018	0.01	2.44	0.118	Uniform<
60	MC	3624	1641	0.03	0.30	0.586	0.45	3.02	0.082	0.00	2.75	0.097	
61	ER	3624	1641	0.03	0.36	0.548	0.79	12.24	0.000	-0.01	12.06	0.001	NonUniform
62	ER	3624	1641	-0.36	37.07	0.000	0.58	6.32	0.012	-0.01	17.74	0.000	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.236: Logistic Regression DIF Results on Stage V Writing Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	453	4812	0.55	6.54	0.011	0.43	0.23	0.634	0.00	0.02	0.896	
44	MC	453	4812	-0.34	10.01	0.002	-1.24	4.45	0.035	0.01	2.47	0.116	Uniform<
45	MC	453	4812	-0.25	3.19	0.074	-2.00	8.11	0.004	0.02	6.28	0.012	
46	MC	453	4812	0.04	0.10	0.747	-1.12	2.68	0.102	0.01	3.02	0.082	
47	MC	453	4812	-0.06	0.19	0.660	-1.49	3.60	0.058	0.01	3.52	0.061	
48	MC	453	4812	0.85	29.32	0.000	-0.89	1.25	0.264	0.02	4.78	0.029	Uniform>
49	MC	453	4812	-0.43	13.68	0.000	-0.39	0.41	0.522	0.00	0.00	0.946	Uniform<
50	MC	453	4812	-0.06	0.32	0.574	0.62	1.31	0.252	-0.01	1.63	0.202	
51	MC	453	4812	-0.10	1.03	0.310	0.33	0.43	0.513	0.00	0.77	0.380	
52	MC	453	4812	0.03	0.09	0.760	0.24	0.17	0.684	0.00	0.13	0.723	
53	MC	453	4812	0.67	31.13	0.000	-0.93	1.95	0.163	0.02	5.94	0.015	Uniform>
54	MC	453	4812	0.31	9.58	0.002	-0.17	0.10	0.752	0.00	0.84	0.359	Uniform>
55	MC	453	4812	0.05	0.21	0.649	-0.59	0.96	0.326	0.01	1.18	0.277	
56	MC	453	4812	-0.25	5.85	0.016	0.00	0.00	1.000	0.00	0.23	0.634	
57	MC	453	4812	0.73	34.81	0.000	-1.93	7.67	0.006	0.03	14.60	0.000	NonUniform
58	MC	453	4812	0.04	0.11	0.740	0.68	1.22	0.269	-0.01	1.12	0.290	
59	MC	453	4812	-0.27	5.77	0.016	-0.04	0.00	0.947	0.00	0.16	0.690	
60	MC	453	4812	0.21	4.23	0.040	-1.55	7.90	0.005	0.02	10.52	0.001	NonUniform
61	ER	453	4812	-0.61	40.90	0.000	0.63	1.88	0.171	-0.01	7.57	0.006	NonUniform
62	ER	453	4812	-0.10	1.04	0.307	1.32	7.44	0.006	-0.01	9.11	0.003	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.237: Logistic Regression DIF Results on Stage V Writing Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	300	4965	-0.26	2.29	0.130	0.27	0.15	0.698	-0.01	0.62	0.433	
44	MC	300	4965	-0.20	2.44	0.118	0.78	1.71	0.191	-0.01	2.81	0.094	
45	MC	300	4965	-0.61	17.97	0.000	-1.18	3.27	0.070	0.01	0.81	0.368	Uniform<
46	MC	300	4965	0.23	2.32	0.128	1.93	8.71	0.003	-0.02	6.86	0.009	NonUniform
47	MC	300	4965	0.21	1.62	0.204	0.33	0.19	0.666	0.00	0.03	0.869	
48	MC	300	4965	0.64	16.64	0.000	-0.94	1.38	0.240	0.02	4.01	0.045	Uniform>
49	MC	300	4965	-0.18	1.62	0.203	0.72	1.32	0.250	-0.01	2.10	0.147	
50	MC	300	4965	-0.01	0.01	0.921	0.74	1.43	0.231	-0.01	1.54	0.215	
51	MC	300	4965	-0.09	0.49	0.485	1.00	3.38	0.066	-0.01	4.17	0.041	
52	MC	300	4965	-0.02	0.02	0.901	0.68	0.97	0.324	-0.01	1.06	0.304	
53	MC	300	4965	0.19	2.07	0.150	-0.42	0.40	0.526	0.01	0.87	0.350	
54	MC	300	4965	-0.02	0.03	0.853	-0.85	1.67	0.197	0.01	1.65	0.199	
55	MC	300	4965	0.03	0.05	0.830	0.67	1.24	0.266	-0.01	1.19	0.275	
56	MC	300	4965	-0.37	8.34	0.004	0.29	0.23	0.633	-0.01	1.25	0.264	Uniform<
57	MC	300	4965	-0.06	0.20	0.654	-1.45	4.53	0.033	0.02	4.34	0.037	
58	MC	300	4965	0.22	2.37	0.124	1.00	2.06	0.151	-0.01	1.29	0.257	
59	MC	300	4965	-0.78	35.37	0.000	0.07	0.01	0.914	-0.01	1.78	0.182	Uniform<
60	MC	300	4965	0.13	1.21	0.271	-0.92	2.37	0.124	0.01	3.26	0.071	
61	ER	300	4965	-0.21	3.25	0.071	0.56	1.21	0.272	-0.01	2.40	0.122	
62	ER	300	4965	-0.42	12.38	0.000	0.53	1.03	0.310	-0.01	3.47	0.062	Uniform<

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.238: Logistic Regression DIF Results on Stage V Writing Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	1947	3318	-0.07	0.50	0.478	0.86	7.11	0.008	-0.01	9.08	0.003	NonUniform
44	MC	1947	3318	0.00	0.00	0.982	-0.26	1.01	0.314	0.00	1.08	0.298	
45	MC	1947	3318	0.41	22.67	0.000	0.66	4.75	0.029	0.00	0.76	0.383	Uniform>
46	MC	1947	3318	-0.19	6.23	0.013	-0.64	3.73	0.054	0.00	1.98	0.160	
47	MC	1947	3318	-0.16	3.94	0.047	-0.74	4.28	0.039	0.01	2.77	0.096	
48	MC	1947	3318	-0.45	37.96	0.000	-0.08	0.07	0.789	0.00	1.58	0.209	Uniform<
49	MC	1947	3318	0.12	3.69	0.055	0.01	0.00	0.963	0.00	0.17	0.677	
50	MC	1947	3318	0.06	0.94	0.333	0.13	0.21	0.648	0.00	0.06	0.806	
51	MC	1947	3318	0.09	2.39	0.122	-0.43	3.05	0.081	0.01	4.78	0.029	
52	MC	1947	3318	-0.03	0.25	0.620	-0.02	0.00	0.946	0.00	0.00	0.966	
53	MC	1947	3318	-0.45	48.40	0.000	-0.01	0.00	0.959	0.00	2.49	0.115	Uniform<
54	MC	1947	3318	0.00	0.00	0.992	-0.09	0.12	0.731	0.00	0.12	0.725	
55	MC	1947	3318	0.21	9.64	0.002	0.29	1.09	0.297	0.00	0.10	0.755	Uniform>
56	MC	1947	3318	0.30	24.80	0.000	-0.04	0.02	0.885	0.00	1.83	0.176	Uniform>
57	MC	1947	3318	-0.08	1.63	0.201	1.12	18.15	0.000	-0.01	22.20	0.000	NonUniform
58	MC	1947	3318	0.20	8.05	0.005	-0.54	2.69	0.101	0.01	5.21	0.022	Uniform>
59	MC	1947	3318	0.10	2.16	0.141	-0.25	0.68	0.409	0.00	1.42	0.233	
60	MC	1947	3318	-0.18	9.58	0.002	0.68	7.96	0.005	-0.01	13.56	0.000	NonUniform
61	ER	1947	3318	0.16	8.15	0.004	0.58	7.18	0.007	0.00	4.11	0.043	Uniform>
62	ER	1947	3318	-0.05	0.70	0.403	0.46	4.32	0.038	-0.01	5.67	0.017	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.239: Logistic Regression DIF Results on Stage V Writing Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	1947	600	-0.40	5.61	0.018	-0.76	1.57	0.210	0.00	0.39	0.533	
44	MC	1947	600	-0.10	1.00	0.317	-0.36	0.73	0.391	0.00	0.41	0.520	
45	MC	1947	600	0.37	7.53	0.006	0.68	1.72	0.189	0.00	0.37	0.541	Uniform>
46	MC	1947	600	-0.06	0.24	0.622	-0.55	1.03	0.311	0.00	0.85	0.356	
47	MC	1947	600	-0.24	3.61	0.057	-0.04	0.00	0.951	0.00	0.13	0.715	
48	MC	1947	600	-0.33	7.39	0.007	-0.08	0.02	0.883	0.00	0.25	0.620	Uniform<
49	MC	1947	600	0.16	2.29	0.130	0.12	0.07	0.790	0.00	0.01	0.936	
50	MC	1947	600	0.09	0.85	0.356	0.23	0.25	0.617	0.00	0.10	0.758	
51	MC	1947	600	0.16	2.65	0.104	-0.83	4.19	0.041	0.01	6.31	0.012	
52	MC	1947	600	-0.02	0.02	0.886	0.43	0.69	0.406	0.00	0.78	0.377	
53	MC	1947	600	-0.34	10.55	0.001	0.07	0.02	0.884	0.00	0.77	0.381	Uniform<
54	MC	1947	600	-0.03	0.10	0.757	-0.31	0.50	0.477	0.00	0.43	0.511	
55	MC	1947	600	0.11	1.07	0.301	-0.67	2.27	0.132	0.01	3.28	0.070	
56	MC	1947	600	0.37	14.10	0.000	-0.15	0.13	0.720	0.01	1.58	0.209	Uniform>
57	MC	1947	600	-0.22	4.59	0.032	1.08	5.33	0.021	-0.01	8.13	0.004	NonUniform
58	MC	1947	600	0.04	0.15	0.703	-0.46	0.73	0.393	0.00	0.91	0.341	
59	MC	1947	600	0.20	3.13	0.077	0.27	0.28	0.599	0.00	0.02	0.883	
60	MC	1947	600	-0.45	22.16	0.000	0.95	5.10	0.024	-0.01	11.70	0.001	NonUniform
61	ER	1947	600	0.14	2.23	0.135	0.56	2.30	0.130	0.00	1.42	0.234	
62	ER	1947	600	-0.16	2.90	0.089	0.58	2.41	0.121	-0.01	4.19	0.041	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.240: Logistic Regression DIF Results on Stage V Writing Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	2718	600	-0.38	4.99	0.025	-1.90	9.98	0.002	0.02	7.34	0.007	NonUniform
44	MC	2718	600	-0.12	1.77	0.183	-0.13	0.10	0.757	0.00	0.00	0.995	
45	MC	2718	600	-0.03	0.06	0.809	0.02	0.00	0.965	0.00	0.01	0.912	
46	MC	2718	600	0.14	1.59	0.208	0.10	0.04	0.841	0.00	0.01	0.934	
47	MC	2718	600	-0.11	0.90	0.343	0.86	2.38	0.123	-0.01	3.29	0.070	
48	MC	2718	600	0.15	1.63	0.202	0.00	0.00	0.996	0.00	0.09	0.760	
49	MC	2718	600	0.04	0.17	0.679	0.13	0.09	0.768	0.00	0.04	0.835	
50	MC	2718	600	0.04	0.18	0.672	0.13	0.08	0.775	0.00	0.04	0.841	
51	MC	2718	600	0.07	0.63	0.426	-0.48	1.52	0.217	0.01	2.15	0.143	
52	MC	2718	600	0.02	0.03	0.859	0.55	1.17	0.279	-0.01	1.15	0.283	
53	MC	2718	600	0.13	1.66	0.198	0.10	0.05	0.830	0.00	0.01	0.944	
54	MC	2718	600	-0.04	0.15	0.702	-0.27	0.40	0.529	0.00	0.31	0.578	
55	MC	2718	600	-0.10	0.99	0.319	-1.18	7.36	0.007	0.01	6.52	0.011	
56	MC	2718	600	0.08	0.73	0.391	-0.14	0.12	0.734	0.00	0.30	0.584	
57	MC	2718	600	-0.17	2.64	0.104	-0.06	0.02	0.902	0.00	0.06	0.804	
58	MC	2718	600	-0.20	3.46	0.063	0.11	0.04	0.835	0.00	0.37	0.545	
59	MC	2718	600	0.11	0.98	0.323	0.62	1.54	0.214	-0.01	1.12	0.291	
60	MC	2718	600	-0.33	12.24	0.000	0.31	0.58	0.446	-0.01	2.54	0.111	Uniform<
61	ER	2718	600	-0.03	0.08	0.771	-0.04	0.01	0.916	0.00	0.00	0.972	
62	ER	2718	600	-0.12	1.89	0.169	0.16	0.20	0.653	0.00	0.67	0.414	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.241: Logistic Regression DIF Results on Stage V Writing Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	45	600	0.09	0.02	0.886	-2.98	1.20	0.273	0.04	1.21	0.271	
44	MC	45	600	-0.19	0.34	0.562	-1.76	0.87	0.352	0.02	0.73	0.394	
45	MC	45	600	0.11	0.05	0.818	-1.29	0.36	0.548	0.02	0.43	0.510	
46	MC	45	600	-0.11	0.07	0.790	-4.26	2.01	0.157	0.04	2.06	0.151	
47	MC	45	600	-0.15	0.12	0.732	1.31	0.38	0.535	-0.01	0.48	0.489	
48	MC	45	600	0.92	3.11	0.078	1.24	0.33	0.565	0.00	0.02	0.879	
49	MC	45	600	-0.54	1.97	0.160	3.74	4.42	0.036	-0.04	5.53	0.019	
50	MC	45	600	0.27	0.68	0.409	-1.21	0.39	0.534	0.01	0.60	0.439	
51	MC	45	600	-0.04	0.02	0.886	2.00	1.73	0.188	-0.02	1.90	0.168	
52	MC	45	600	0.07	0.04	0.834	0.66	0.12	0.729	-0.01	0.10	0.755	
53	MC	45	600	0.58	2.28	0.131	0.79	0.19	0.661	0.00	0.01	0.905	
54	MC	45	600	0.22	0.49	0.482	-1.04	0.34	0.558	0.01	0.53	0.468	
55	MC	45	600	0.42	1.28	0.259	-1.26	0.44	0.508	0.02	0.80	0.370	
56	MC	45	600	-0.67	3.78	0.052	-3.52	2.16	0.141	0.03	1.49	0.222	
57	MC	45	600	-0.02	0.00	0.948	-1.68	0.67	0.413	0.02	0.67	0.412	
58	MC	45	600	-0.93	4.14	0.042	1.44	0.40	0.525	-0.02	1.07	0.300	
59	MC	45	600	0.20	0.27	0.601	2.30	1.86	0.173	-0.02	1.65	0.199	
60	MC	45	600	0.01	0.00	0.986	0.73	0.22	0.641	-0.01	0.22	0.636	
61	ER	45	600	0.38	1.66	0.198	-0.21	0.02	0.884	0.01	0.18	0.675	
62	ER	45	600	0.50	2.78	0.095	2.20	2.19	0.139	-0.02	1.37	0.242	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.242: Logistic Regression DIF Results on Stage V Writing Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	4206	861	-0.27	3.77	0.052	-0.75	2.58	0.108	0.01	1.17	0.279	
44	MC	4206	861	0.13	2.69	0.101	0.20	0.31	0.578	0.00	0.04	0.845	
45	MC	4206	861	0.00	0.00	0.994	-0.07	0.03	0.872	0.00	0.03	0.868	
46	MC	4206	861	-0.14	2.35	0.125	0.11	0.07	0.788	0.00	0.38	0.538	
47	MC	4206	861	-0.18	3.15	0.076	0.27	0.36	0.550	0.00	1.03	0.310	
48	MC	4206	861	0.16	2.71	0.100	0.77	3.07	0.080	-0.01	2.02	0.156	
49	MC	4206	861	0.01	0.02	0.897	0.56	2.24	0.134	-0.01	2.29	0.130	
50	MC	4206	861	0.14	2.96	0.085	0.02	0.00	0.968	0.00	0.11	0.738	
51	MC	4206	861	-0.11	1.79	0.181	-0.92	8.18	0.004	0.01	6.83	0.009	NonUniform
52	MC	4206	861	0.01	0.03	0.867	0.80	3.42	0.064	-0.01	3.48	0.062	
53	MC	4206	861	-0.09	1.15	0.283	0.53	1.74	0.187	-0.01	2.52	0.112	
54	MC	4206	861	0.04	0.31	0.579	-0.42	1.41	0.235	0.00	1.81	0.179	
55	MC	4206	861	-0.14	2.62	0.105	-0.16	0.17	0.680	0.00	0.00	0.974	
56	MC	4206	861	0.09	1.31	0.252	0.07	0.04	0.843	0.00	0.00	0.951	
57	MC	4206	861	0.03	0.12	0.731	0.74	3.75	0.053	-0.01	3.64	0.056	
58	MC	4206	861	-0.25	8.22	0.004	0.52	1.35	0.245	-0.01	3.10	0.078	Uniform<
59	MC	4206	861	-0.04	0.17	0.676	-0.10	0.06	0.805	0.00	0.02	0.876	
60	MC	4206	861	-0.07	0.95	0.330	0.15	0.20	0.657	0.00	0.47	0.491	
61	ER	4206	861	0.08	1.10	0.294	-0.32	1.20	0.273	0.00	1.97	0.160	
62	ER	4206	861	0.15	3.92	0.048	0.15	0.23	0.632	0.00	0.00	0.993	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.243: Logistic Regression DIF Results on Stage V Listening Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	2245	3009	-0.12	1.70	0.192	0.36	1.07	0.300	-0.01	2.10	0.147	
2	MC	2245	3009	-0.26	15.97	0.000	0.05	0.03	0.858	0.00	1.53	0.216	Uniform<
3	MC	2245	3009	-0.19	8.04	0.005	-0.11	0.19	0.666	0.00	0.08	0.779	Uniform<
4	MC	2245	3009	-0.05	0.89	0.344	-0.06	0.06	0.813	0.00	0.00	0.994	
5	MC	2245	3009	-0.17	6.89	0.009	0.10	0.13	0.715	0.00	1.07	0.302	Uniform<
6	MC	2245	3009	-0.14	5.29	0.021	0.46	2.69	0.101	-0.01	4.80	0.029	
7	MC	2245	3009	0.11	3.01	0.083	0.40	2.39	0.122	0.00	1.37	0.242	
8	MC	2245	3009	-0.48	57.18	0.000	-0.06	0.04	0.851	0.00	1.98	0.160	Uniform<
9	MC	2245	3009	-0.64	109.63	0.000	0.39	2.14	0.144	-0.01	15.79	0.000	NonUniform
10	MC	2245	3009	-0.19	10.09	0.001	0.15	0.33	0.567	0.00	1.79	0.181	Uniform<
11	MC	2245	3009	-0.06	1.24	0.265	0.50	4.37	0.037	-0.01	5.89	0.015	
12	MC	2245	3009	0.03	0.27	0.602	0.44	3.59	0.058	0.00	3.32	0.068	
13	MC	2245	3009	0.04	0.49	0.483	-0.32	1.23	0.268	0.00	1.65	0.198	
14	MC	2245	3009	-0.20	9.74	0.002	-0.07	0.06	0.810	0.00	0.23	0.633	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.244: Logistic Regression DIF Results on Stage V Listening Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	3624	1641	0.06	0.41	0.520	0.00	0.00	0.991	0.00	0.03	0.861	
2	MC	3624	1641	0.00	0.00	0.955	-0.44	2.81	0.094	0.00	2.96	0.085	
3	MC	3624	1641	-0.11	2.29	0.130	-0.35	1.62	0.203	0.00	0.84	0.358	
4	MC	3624	1641	0.05	0.59	0.444	0.04	0.02	0.880	0.00	0.00	0.971	
5	MC	3624	1641	-0.17	5.90	0.015	-0.13	0.22	0.639	0.00	0.02	0.892	
6	MC	3624	1641	-0.12	3.70	0.054	-0.33	1.30	0.253	0.00	0.54	0.461	
7	MC	3624	1641	0.10	2.24	0.134	0.50	3.14	0.076	0.00	2.16	0.142	
8	MC	3624	1641	0.03	0.20	0.651	-0.27	0.71	0.398	0.00	0.92	0.337	
9	MC	3624	1641	0.03	0.29	0.589	0.52	3.30	0.069	-0.01	3.03	0.082	
10	MC	3624	1641	0.15	5.75	0.017	0.36	1.75	0.186	0.00	0.64	0.423	
11	MC	3624	1641	-0.18	8.58	0.003	-0.34	1.81	0.178	0.00	0.43	0.512	Uniform<
12	MC	3624	1641	-0.18	8.64	0.003	-0.40	2.63	0.105	0.00	0.86	0.354	Uniform<
13	MC	3624	1641	0.21	10.70	0.001	-0.20	0.42	0.517	0.00	1.91	0.167	Uniform>
14	MC	3624	1641	0.00	0.00	0.948	0.52	2.93	0.087	-0.01	3.03	0.082	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.245: Logistic Regression DIF Results on Stage V Listening Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	453	4812	-0.14	0.60	0.439	0.75	0.98	0.322	-0.01	1.48	0.224	
2	MC	453	4812	0.28	5.31	0.021	-1.00	2.77	0.096	0.01	4.63	0.031	
3	MC	453	4812	-0.01	0.00	0.958	0.76	1.87	0.171	-0.01	2.01	0.156	
4	MC	453	4812	-0.01	0.01	0.942	0.48	0.95	0.330	-0.01	1.02	0.313	
5	MC	453	4812	0.38	9.67	0.002	0.01	0.00	0.993	0.00	0.41	0.524	Uniform>
6	MC	453	4812	0.28	7.65	0.006	0.10	0.04	0.851	0.00	0.11	0.740	Uniform>
7	MC	453	4812	0.02	0.03	0.867	-0.09	0.03	0.865	0.00	0.04	0.837	
8	MC	453	4812	0.15	1.93	0.165	-2.18	8.87	0.003	0.02	10.40	0.001	NonUniform
9	MC	453	4812	0.68	36.13	0.000	0.24	0.18	0.668	0.00	0.60	0.437	Uniform>
10	MC	453	4812	0.04	0.13	0.715	-0.82	2.20	0.138	0.01	2.49	0.114	
11	MC	453	4812	-0.09	0.83	0.363	0.97	3.88	0.049	-0.01	4.82	0.028	
12	MC	453	4812	-0.19	3.70	0.054	-0.68	1.73	0.188	0.00	0.92	0.336	
13	MC	453	4812	-0.50	20.30	0.000	-0.65	1.07	0.301	0.00	0.06	0.807	Uniform<
14	MC	453	4812	0.48	16.54	0.000	-0.54	0.71	0.399	0.01	2.65	0.103	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.246: Logistic Regression DIF Results on Stage V Listening Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	300	4965	-0.41	5.92	0.015	0.98	2.00	0.157	-0.02	4.40	0.036	
2	MC	300	4965	0.49	11.56	0.001	-0.90	1.85	0.174	0.02	4.49	0.034	Uniform>
3	MC	300	4965	0.12	0.75	0.385	0.83	1.97	0.161	-0.01	1.54	0.214	
4	MC	300	4965	0.18	2.05	0.152	0.15	0.07	0.794	0.00	0.00	0.958	
5	MC	300	4965	-0.04	0.10	0.751	-0.76	1.41	0.234	0.01	1.32	0.251	
6	MC	300	4965	-0.04	0.11	0.745	0.82	1.71	0.192	-0.01	1.95	0.162	
7	MC	300	4965	-0.08	0.40	0.529	-0.83	1.68	0.195	0.01	1.43	0.232	
8	MC	300	4965	0.57	18.73	0.000	1.23	3.76	0.052	-0.01	1.12	0.291	Uniform>
9	MC	300	4965	0.49	14.74	0.000	-0.27	0.19	0.662	0.01	1.55	0.214	Uniform>
10	MC	300	4965	0.47	14.36	0.000	-0.13	0.05	0.822	0.01	1.06	0.303	Uniform>
11	MC	300	4965	-0.07	0.35	0.556	-0.98	2.66	0.103	0.01	2.40	0.121	
12	MC	300	4965	-0.06	0.27	0.603	-0.06	0.01	0.916	0.00	0.00	0.994	
13	MC	300	4965	-0.02	0.03	0.859	1.27	4.28	0.039	-0.01	4.56	0.033	
14	MC	300	4965	0.39	8.72	0.003	-1.07	2.24	0.135	0.02	4.33	0.037	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.247: Logistic Regression DIF Results on Stage V Listening Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1947	3318	0.06	0.37	0.541	-0.09	0.06	0.809	0.00	0.18	0.671	
2	MC	1947	3318	-0.14	4.55	0.033	0.03	0.01	0.907	0.00	0.48	0.490	
3	MC	1947	3318	-0.07	1.08	0.299	-0.51	3.57	0.059	0.01	2.83	0.092	
4	MC	1947	3318	-0.08	2.03	0.155	0.17	0.52	0.473	0.00	1.22	0.270	
5	MC	1947	3318	-0.21	10.11	0.001	-0.01	0.00	0.957	0.00	0.56	0.453	Uniform<
6	MC	1947	3318	-0.09	1.93	0.165	0.59	4.44	0.035	-0.01	6.13	0.013	
7	MC	1947	3318	0.13	4.19	0.041	0.33	1.58	0.209	0.00	0.63	0.429	
8	MC	1947	3318	-0.24	13.34	0.000	-0.25	0.67	0.414	0.00	0.00	0.957	Uniform<
9	MC	1947	3318	-0.30	23.73	0.000	0.71	7.45	0.006	-0.01	15.86	0.000	NonUniform
10	MC	1947	3318	-0.06	1.11	0.292	-0.10	0.15	0.699	0.00	0.02	0.885	
11	MC	1947	3318	-0.05	0.76	0.384	0.18	0.53	0.465	0.00	0.94	0.332	
12	MC	1947	3318	0.13	4.84	0.028	-0.20	0.70	0.404	0.00	2.01	0.156	
13	MC	1947	3318	0.03	0.30	0.587	-0.27	0.86	0.355	0.00	1.14	0.285	
14	MC	1947	3318	-0.28	18.51	0.000	0.51	3.35	0.067	-0.01	8.43	0.004	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.248: Logistic Regression DIF Results on Stage V Listening Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1947	600	-0.02	0.02	0.895	-0.50	0.68	0.411	0.01	0.67	0.413	
2	MC	1947	600	0.14	1.77	0.183	0.45	1.10	0.295	0.00	0.56	0.454	
3	MC	1947	600	0.02	0.04	0.845	-0.83	3.55	0.060	0.01	4.00	0.046	
4	MC	1947	600	0.01	0.01	0.910	0.22	0.30	0.586	0.00	0.28	0.594	
5	MC	1947	600	-0.22	4.06	0.044	-0.09	0.04	0.835	0.00	0.08	0.781	
6	MC	1947	600	-0.01	0.00	0.945	0.44	0.89	0.347	0.00	0.96	0.327	
7	MC	1947	600	0.15	2.31	0.128	0.05	0.01	0.911	0.00	0.06	0.805	
8	MC	1947	600	-0.13	1.48	0.224	0.31	0.32	0.569	0.00	0.68	0.408	
9	MC	1947	600	-0.16	2.49	0.115	0.82	3.22	0.073	-0.01	4.81	0.028	
10	MC	1947	600	-0.06	0.41	0.524	0.35	0.61	0.433	0.00	0.90	0.342	
11	MC	1947	600	-0.07	0.51	0.477	-0.13	0.11	0.744	0.00	0.03	0.871	
12	MC	1947	600	0.18	3.60	0.058	-0.40	1.01	0.315	0.01	2.25	0.133	
13	MC	1947	600	0.12	1.31	0.253	0.30	0.37	0.544	0.00	0.14	0.704	
14	MC	1947	600	-0.15	1.96	0.161	0.41	0.72	0.396	-0.01	1.40	0.236	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.249: Logistic Regression DIF Results on Stage V Listening Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	2718	600	-0.10	0.38	0.538	-0.49	0.70	0.404	0.01	0.48	0.486	
2	MC	2718	600	0.35	11.62	0.001	0.50	1.41	0.236	0.00	0.14	0.707	Uniform>
3	MC	2718	600	0.11	1.00	0.317	-0.40	0.86	0.354	0.01	1.47	0.225	
4	MC	2718	600	0.12	1.71	0.191	0.06	0.02	0.882	0.00	0.03	0.871	
5	MC	2718	600	-0.01	0.01	0.921	-0.10	0.05	0.827	0.00	0.04	0.841	
6	MC	2718	600	0.11	1.24	0.265	-0.18	0.15	0.701	0.00	0.40	0.526	
7	MC	2718	600	0.04	0.16	0.685	-0.34	0.64	0.425	0.00	0.84	0.361	
8	MC	2718	600	0.13	1.64	0.201	0.67	1.66	0.198	-0.01	1.12	0.289	
9	MC	2718	600	0.19	3.78	0.052	0.12	0.07	0.789	0.00	0.03	0.870	
10	MC	2718	600	0.00	0.00	0.976	0.54	1.56	0.212	-0.01	1.66	0.198	
11	MC	2718	600	-0.01	0.02	0.878	-0.37	0.91	0.341	0.00	0.89	0.347	
12	MC	2718	600	0.06	0.43	0.510	-0.24	0.40	0.528	0.00	0.66	0.417	
13	MC	2718	600	0.09	0.89	0.346	0.69	2.00	0.157	-0.01	1.57	0.210	
14	MC	2718	600	0.17	2.80	0.094	-0.13	0.08	0.777	0.00	0.45	0.503	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.250: Logistic Regression DIF Results on Stage V Listening Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	45	600	-0.46	0.87	0.350	2.05	1.04	0.309	-0.03	1.76	0.184	
2	MC	45	600	0.50	1.70	0.192	-0.26	0.02	0.887	0.01	0.18	0.668	
3	MC	45	600	0.47	1.43	0.232	0.14	0.01	0.936	0.00	0.04	0.850	
4	MC	45	600	0.34	1.07	0.301	1.48	0.93	0.335	-0.01	0.59	0.444	
5	MC	45	600	-0.06	0.03	0.859	0.86	0.27	0.605	-0.01	0.33	0.568	
6	MC	45	600	0.67	4.36	0.037	1.30	0.65	0.421	-0.01	0.16	0.693	
7	MC	45	600	0.07	0.05	0.831	-0.15	0.01	0.929	0.00	0.02	0.894	
8	MC	45	600	-0.18	0.28	0.596	-3.71	1.73	0.189	0.04	1.60	0.206	
9	MC	45	600	0.93	6.03	0.014	-2.32	1.08	0.299	0.04	2.14	0.144	
10	MC	45	600	0.17	0.29	0.588	-2.16	1.13	0.288	0.02	1.37	0.242	
11	MC	45	600	0.14	0.21	0.647	3.20	4.15	0.042	-0.03	3.97	0.046	
12	MC	45	600	0.06	0.04	0.837	-1.44	0.75	0.388	0.02	0.85	0.356	
13	MC	45	600	-0.73	3.87	0.049	-10.61	4.71	0.030	0.09	4.26	0.039	
14	MC	45	600	0.76	3.59	0.058	-2.29	0.96	0.327	0.03	1.72	0.190	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.251: Logistic Regression DIF Results on Stage V Listening Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	4206	861	0.01	0.00	0.945	-1.16	6.51	0.011	0.02	7.41	0.006	NonUniform
2	MC	4206	861	-0.19	4.45	0.035	0.28	0.59	0.443	-0.01	1.78	0.182	
3	MC	4206	861	-0.09	1.04	0.308	0.10	0.07	0.795	0.00	0.28	0.600	
4	MC	4206	861	0.08	1.03	0.309	0.00	0.00	0.991	0.00	0.06	0.813	
5	MC	4206	861	-0.07	0.66	0.418	-0.52	2.06	0.151	0.00	1.63	0.202	
6	MC	4206	861	0.08	0.96	0.327	0.29	0.56	0.455	0.00	0.31	0.577	
7	MC	4206	861	0.07	0.65	0.419	-0.80	5.38	0.020	0.01	6.70	0.010	NonUniform
8	MC	4206	861	-0.25	8.26	0.004	-0.35	0.73	0.394	0.00	0.06	0.801	Uniform<
9	MC	4206	861	-0.24	8.51	0.004	0.08	0.04	0.834	0.00	0.79	0.374	Uniform<
10	MC	4206	861	0.04	0.23	0.628	0.50	1.95	0.162	0.00	1.76	0.184	
11	MC	4206	861	0.01	0.01	0.917	-0.05	0.03	0.874	0.00	0.04	0.850	
12	MC	4206	861	-0.08	1.23	0.268	-0.34	1.13	0.287	0.00	0.68	0.411	
13	MC	4206	861	-0.05	0.33	0.565	0.95	5.23	0.022	-0.01	6.03	0.014	
14	MC	4206	861	-0.15	2.83	0.092	0.05	0.02	0.895	0.00	0.27	0.602	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.252: Logistic Regression DIF Results on Stage V Speaking Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	2245	3009	-0.20	13.73	0.000	-0.40	3.27	0.071	0.00	0.88	0.347	Uniform<
64	SA4	2245	3009	-0.09	2.31	0.129	-0.17	0.57	0.452	0.00	0.13	0.715	
65	SA4	2245	3009	-0.25	16.46	0.000	-0.09	0.14	0.713	0.00	0.51	0.475	Uniform<
66	SA4	2245	3009	-0.54	106.93	0.000	-0.54	6.43	0.011	0.00	0.00	0.985	Uniform<
67	SA4	2245	3009	0.03	0.16	0.687	-0.09	0.10	0.751	0.00	0.20	0.651	
68	SA4	2245	3009	-0.17	9.91	0.002	-0.07	0.10	0.757	0.00	0.19	0.665	Uniform<
69	SA4	2245	3009	0.20	8.14	0.004	-0.33	1.73	0.189	0.01	4.79	0.029	Uniform>
70	SA4	2245	3009	-0.22	13.14	0.000	-0.54	6.01	0.014	0.00	2.34	0.126	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.253: Logistic Regression DIF Results on Stage V Speaking Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	3624	1641	0.05	0.86	0.353	0.00	0.00	0.983	0.00	0.06	0.800	
64	SA4	3624	1641	0.09	1.98	0.159	-0.27	1.26	0.262	0.00	2.40	0.121	
65	SA4	3624	1641	0.18	7.39	0.007	-0.17	0.46	0.498	0.00	2.09	0.148	Uniform>
66	SA4	3624	1641	0.21	13.94	0.000	0.03	0.02	0.902	0.00	0.69	0.406	Uniform>
67	SA4	3624	1641	0.15	3.03	0.082	-0.52	2.97	0.085	0.01	5.46	0.019	
68	SA4	3624	1641	-0.33	31.17	0.000	-1.23	25.73	0.000	0.01	14.61	0.000	NonUniform
69	SA4	3624	1641	0.13	2.90	0.089	-0.78	8.71	0.003	0.01	12.76	0.000	NonUniform
70	SA4	3624	1641	-0.37	33.71	0.000	-1.32	31.81	0.000	0.01	17.69	0.000	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.254: Logistic Regression DIF Results on Stage V Speaking Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	453	4812	0.39	17.09	0.000	1.29	7.70	0.006	-0.01	3.87	0.049	Uniform>
64	SA4	453	4812	-0.14	1.74	0.187	-0.24	0.24	0.623	0.00	0.05	0.831	
65	SA4	453	4812	0.66	29.29	0.000	0.76	2.04	0.153	0.00	0.04	0.834	Uniform>
66	SA4	453	4812	0.39	16.75	0.000	0.51	1.17	0.280	0.00	0.07	0.791	Uniform>
67	SA4	453	4812	-0.32	4.53	0.033	1.23	3.55	0.060	-0.02	6.06	0.014	
68	SA4	453	4812	0.19	4.09	0.043	2.02	18.76	0.000	-0.02	15.82	0.000	NonUniform
69	SA4	453	4812	-0.78	44.98	0.000	-0.73	1.85	0.174	0.00	0.01	0.926	Uniform<
70	SA4	453	4812	0.96	72.00	0.000	1.96	15.62	0.000	-0.01	4.27	0.039	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.255: Logistic Regression DIF Results on Stage V Speaking Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	300	4965	0.84	54.13	0.000	0.85	2.64	0.104	0.00	0.00	0.977	Uniform>
64	SA4	300	4965	0.04	0.13	0.719	0.21	0.15	0.696	0.00	0.10	0.750	
65	SA4	300	4965	0.46	12.38	0.000	0.29	0.25	0.615	0.00	0.10	0.751	Uniform>
66	SA4	300	4965	0.37	11.31	0.001	-0.39	0.57	0.450	0.01	2.32	0.128	Uniform>
67	SA4	300	4965	0.27	2.33	0.127	0.55	0.60	0.437	0.00	0.18	0.675	
68	SA4	300	4965	0.77	43.71	0.000	1.76	11.62	0.001	-0.01	3.84	0.050	Uniform>
69	SA4	300	4965	-0.11	0.61	0.435	0.92	2.44	0.118	-0.01	3.27	0.070	
70	SA4	300	4965	1.11	69.65	0.000	1.72	10.03	0.002	-0.01	1.32	0.251	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.256: Logistic Regression DIF Results on Stage V Speaking Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1947	3318	-0.24	19.80	0.000	-0.62	7.93	0.005	0.00	3.13	0.077	Uniform<
64	SA4	1947	3318	0.07	1.19	0.275	-0.10	0.20	0.651	0.00	0.59	0.442	
65	SA4	1947	3318	-0.17	7.91	0.005	-0.76	10.34	0.001	0.01	6.57	0.010	Uniform<
66	SA4	1947	3318	0.01	0.01	0.916	-0.20	0.90	0.343	0.00	1.01	0.316	
67	SA4	1947	3318	-0.03	0.11	0.739	-0.79	7.28	0.007	0.01	7.34	0.007	NonUniform
68	SA4	1947	3318	-0.44	61.53	0.000	-1.87	56.95	0.000	0.01	34.90	0.000	NonUniform
69	SA4	1947	3318	0.31	17.90	0.000	-0.69	7.21	0.007	0.01	16.09	0.000	NonUniform
70	SA4	1947	3318	-0.78	158.28	0.000	-1.17	26.48	0.000	0.00	3.24	0.072	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.257: Logistic Regression DIF Results on Stage V Speaking Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1947	600	-0.35	15.41	0.000	-0.61	2.59	0.108	0.00	0.49	0.483	Uniform<
64	SA4	1947	600	-0.03	0.08	0.775	-0.19	0.24	0.625	0.00	0.18	0.669	
65	SA4	1947	600	-0.31	8.51	0.004	-0.49	1.46	0.227	0.00	0.22	0.639	Uniform<
66	SA4	1947	600	-0.21	5.84	0.016	0.23	0.39	0.531	0.00	1.53	0.217	
67	SA4	1947	600	-0.05	0.13	0.722	0.32	0.39	0.531	0.00	0.57	0.451	
68	SA4	1947	600	-0.29	10.28	0.001	-1.06	6.87	0.009	0.01	3.75	0.053	Uniform<
69	SA4	1947	600	0.20	2.60	0.107	-0.75	2.73	0.098	0.01	4.68	0.031	
70	SA4	1947	600	-0.83	65.52	0.000	-0.87	5.10	0.024	0.00	0.01	0.917	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.258: Logistic Regression DIF Results on Stage V Speaking Items for the Non-Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	2718	600	-0.13	2.34	0.126	0.03	0.01	0.940	0.00	0.19	0.662	
64	SA4	2718	600	-0.12	1.44	0.231	-0.16	0.18	0.671	0.00	0.01	0.905	
65	SA4	2718	600	-0.17	2.96	0.085	0.31	0.60	0.437	-0.01	1.58	0.209	
66	SA4	2718	600	-0.28	10.28	0.001	0.50	1.86	0.172	-0.01	4.70	0.030	Uniform<
67	SA4	2718	600	-0.08	0.31	0.578	1.17	6.03	0.014	-0.02	7.28	0.007	NonUniform
68	SA4	2718	600	0.16	3.44	0.064	0.97	6.35	0.012	-0.01	4.64	0.031	
69	SA4	2718	600	-0.18	2.51	0.113	-0.07	0.03	0.867	0.00	0.07	0.791	
70	SA4	2718	600	-0.08	0.64	0.423	0.51	1.98	0.159	-0.01	2.82	0.093	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

Table 10.259: Logistic Regression DIF Results on Stage V Speaking Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	45	600	-0.24	0.67	0.415	-1.17	0.64	0.424	0.01	0.42	0.518	
64	SA4	45	600	-0.18	0.30	0.586	1.85	1.46	0.226	-0.02	1.83	0.177	
65	SA4	45	600	0.06	0.03	0.867	1.20	0.57	0.452	-0.01	0.53	0.465	
66	SA4	45	600	-0.22	0.56	0.454	-0.64	0.19	0.664	0.00	0.08	0.775	
67	SA4	45	600	-0.64	1.94	0.164	0.29	0.02	0.878	-0.01	0.27	0.606	
68	SA4	45	600	0.31	1.02	0.314	2.57	3.05	0.081	-0.02	2.43	0.119	
69	SA4	45	600	-0.66	3.17	0.075	-4.06	5.13	0.024	0.04	3.68	0.055	
70	SA4	45	600	0.50	2.19	0.139	-0.11	0.01	0.942	0.01	0.18	0.671	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

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Table 10.260: Logistic Regression DIF Results on Stage V Speaking Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	4206	861	0.12	2.62	0.105	-0.29	0.90	0.343	0.00	1.85	0.174	
64	SA4	4206	861	0.05	0.32	0.571	-0.30	0.94	0.333	0.00	1.33	0.249	
65	SA4	4206	861	-0.01	0.03	0.868	-0.67	4.34	0.037	0.01	4.46	0.035	
66	SA4	4206	861	0.04	0.35	0.552	0.00	0.00	0.989	0.00	0.03	0.871	
67	SA4	4206	861	0.42	13.71	0.000	-0.65	2.77	0.096	0.01	8.09	0.004	NonUniform
68	SA4	4206	861	0.09	1.42	0.234	-0.42	1.77	0.183	0.01	2.67	0.102	
69	SA4	4206	861	0.22	5.29	0.021	0.28	0.67	0.413	0.00	0.03	0.853	
70	SA4	4206	861	0.02	0.05	0.819	0.58	3.66	0.056	-0.01	3.69	0.055	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005 Item number does not indicate item location on an operational test form as field test items were embedded on the form but were not included in the analysis.

10.2.2 Correlation among Domains

Correlations were examined between on Total Combined raw score and the domain raw scores (Listening, Speaking, Reading, and Writing) for the Spring 2014 AZELLA Reassessment by stage. The data used to calculate the correlations were based on the calibration sample described in Chapter 7.

All correlations are presented in Table 10.261 through Table 10.265. The patterns of correlation are consistent between forms within a stage as well as among stages.

Table 10.261: Correlations between Total Combined and Domains for the Spring 2014 AZELLA Stage I Reassessment

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.77	0.82	0.83	0.70
Listening	0.77	1.00	0.58	0.50	0.40
Reading	0.82	0.58	1.00	0.59	0.40
Writing	0.83	0.50	0.59	1.00	0.41
Speaking	0.70	0.40	0.40	0.41	1.00

Table 10.262: Correlations between Total Combined and Domains for the Spring 2014 AZELLA Stage II Reassessment

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.74	0.91	0.87	0.65
Listening	0.74	1.00	0.59	0.56	0.36
Reading	0.91	0.59	1.00	0.74	0.44
Writing	0.87	0.56	0.74	1.00	0.42
Speaking	0.65	0.36	0.44	0.42	1.00

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Table 10.263: Correlations between Total Combined and Domains for the Spring 2014 AZELLA Stage III Reassessment

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.76	0.88	0.87	0.70
Listening	0.76	1.00	0.58	0.54	0.47
Reading	0.88	0.58	1.00	0.71	0.44
Writing	0.87	0.54	0.71	1.00	0.47
Speaking	0.70	0.47	0.44	0.47	1.00

Table 10.264: Correlation between Total Combined and Domains for the Spring 2014 AZELLA Stage IV Reassessment

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.74	0.86	0.87	0.67
Listening	0.74	1.00	0.56	0.53	0.41
Reading	0.86	0.56	1.00	0.66	0.38
Writing	0.87	0.53	0.66	1.00	0.44
Speaking	0.67	0.41	0.38	0.44	1.00

Table 10.265: Correlations between Total Combined and Domains for the Spring 2014 AZELLA Stage V Reassessment

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.75	0.88	0.88	0.70
Listening	0.75	1.00	0.55	0.55	0.46
Reading	0.88	0.55	1.00	0.69	0.43
Writing	0.88	0.55	0.69	1.00	0.53
Speaking	0.70	0.46	0.43	0.53	1.00

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Chapter 11. CLASSIFICATION

Part 11 of this technical report provides information regarding classifying students into proficiency categories for the Spring 2014 AZELLA Reassessment Tests. Please refer to Appendix A for the statistics regarding the classification for the AZELLA Placement Tests. The following1999 AERA/APA/NCME standards (AERA, APA, NCME, 1999) are covered in this part: 1.5, 1.7, 2.2, 2.14, 2.15, 4.9, 4.19, 4.20, 4.21, and 6.5. The 2014 AERA/APA/NCME standards (AERA, APA, NCME, 2014) addressed by this chapter are: 1.8, 1.9, 2.13, 2.14, 2.16, 5.5, 5.21, 5.22, 5.23, and 7.4.

Scores from the Kindergarten Placement Test are used to classify students into one of three proficiency categories: *Pre-Emergent/Emergent, Basic/Intermediate,* and *Proficient*. On the other hand, scores for the AZELLA Stages I through V tests are used to classify students into one of four Overall proficiency categories: *Pre-Emergent/Emergent*, *Basic*, *Intermediate*, and *Proficient*. This part of the technical report provides information regarding classifying students into these four performance categories. Arizona educators made recommendations for cut scores for each category in the standard setting workshops. Analyses were conducted to examine the consistency and accuracy with which students were assigned to performance categories.

11.1 Standard Setting Technical Documentation

Standard setting for the Kindergarten Placement Test was conducted in mid July 2012, using the modified Angoff standard setting procedure. All technical documentation regarding the standard setting is available in the Kindergarten Placement Test standard setting technical report (Arizona Department of Education, 2013a), available from the following ADE website http://www.azed.gov/assessment/files/2014/05/az-kpt-standard-setting-report-final_092413.pdf. Three proficiency levels (Pre-Emergent/Emergent, Basic/Intermediate, Proficient) are present for the Kindergarten Placement Test. The final scale score ranges by proficiency level are summarized in Table 11.1.

Table 11.1: Final Scale Score Ranges by Proficiency Level for the Kindergarten Placement Test

Pre-Emergent/ Emergent	Basic/ Intermediate	Proficient
100-207	208-234	235-300

Standard setting for the AZELLA Stages I through V tests was conducted in early May and late June, 2013, using the bookmark standard setting procedure. All technical documentation regarding the standard setting is available in the bookmark standard setting technical report (Arizona Department of Education, 2013b), available from the following ADE website http://www.azed.gov/assessment/files/2014/04/az-azella-standard-setting-report-stages-i-v_final_100113a.pdf. Four proficiency levels (Pre-Emergent/Emergent, Basic, Intermediate, Proficient) are present on Overall and Total Combined while three proficiency levels (Pre-Emergent/Emergent/Basic, Intermediate, Proficient) are present on domains (Listening,

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Speaking, Reading, and Writing) and subdomains (Language, Oral, Comprehension, and Literacy).

The final proficiency cuts on Total Combined and all domains (Listening, Speaking, Reading, and Writing) and subdomains (Language, Oral, Comprehension, Literacy) vary across grades within a stage for Stages II and III. The final proficiency ranges on Total Combined in scale score are presented in Table 11.2. The final proficiency ranges on the domains and subdomains are 100-229, 230-249, and 250-400 for Pre-Emergent/Emergent/Basic, Intermediate, and Proficient, respectively. Note that the proficiency levels on Overall are based on a combination of proficiency levels on Total Combined, Reading, and Writing therefore there is no scale score associated with it.

Table 11.2: Final Scale Score Ranges by Proficiency Level on Total Combined for the Stage I though V Assessments

Stage	Grade(s)	Pre-Emergent/ Emergent	Basic	Intermediate	Proficient
I	Kindergarten	2000-2240	2241-2282	2283-2326	2327-3000
II	01	2000-2294	2295-2338	2339-2384	2385-3000
II	02	2000-2337	2338-2382	2383-2427	2428-3000
III	03	2000-2369	2370-2413	2414-2456	2457-3000
III	04	2000-2390	2391-2433	2434-2471	2472-3000
III	05	2000-2400	2401-2441	2442-2472	2473-3000
IV	06-08	2000-2403	2404-2442	2443-2476	2477-3000
V	09-12	2000-2425	2426-2467	2468-2507	2508-3000

11.2 Classification Consistency and Accuracy

This section describes the analyses conducted to estimate classification consistency and accuracy for the Spring 2014 AZELLA Reassessment Tests. Classification consistency can be defined as the agreement between examinees' performance category classification from two independent administrations of the same test (or two parallel forms of the test). Classification accuracy can be defined as the agreement between the actual classifications using observed cut scores and true classifications based on known true cut scores (Livingston & Lewis, 1995).

In conjunction with internal consistency, classification consistency is an important type of reliability and is particularly relevant to high-stake decisions such as whether exiting or not exiting the ELL program depending on passing or not passing the AZELLA tests. As a form of reliability, classification consistency represents how reliably students can be classified into performance categories. Please see Chapter 9 of this report for more information on the internal consistency of the AZELLA assessments.

For tests such as the AZELLA assessments, classification consistency is most important for students whose ability is near the Proficient cut score. Students whose ability is far above or far below the value established for Proficient are unlikely to be misclassified because repeated

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administration of the test will nearly always result in the same classification. Examinees whose true scores are close to the cut score are a more serious concern. These students' true scores will likely lie within the standard error of measurement of the cut score. For this reason, the measurement error at the cut scores should be considered when evaluating the classification consistency of a test.

Classification consistency and accuracy for the AZELLA tests were estimated on Total Combined for the Proficient cut using procedures described by Livingston and Lewis (1995). Note that a decision of whether a student exits ELL program is made based on the proficiency level in Overall, which is a combination of proficiency levels on Total Combined, Reading, and Writing. However, there is no score associated with Overall. Thus, classification consistency and accuracy for the AZELLA tests were estimated on Total Combined. Classification consistency is calculated as a proportion of students in the diagonal (i.e., students classified consistently between two parallel forms) in Figure 11.1. Similarly, classification accuracy is calculated a proportion of students in the diagonal (i.e., students classified the same between observed scores and true scores) in Figure 11.2. In addition, Cohen's Kappa is calculated. The Cohen's Kappa (κ) coefficient (Cohen, 1960) is another way of expressing overall consistency. This statistic assesses the proportion of consistent classification expected beyond chance; therefore it is most often lower than the unadjusted value of overall consistency.

$$\kappa = \frac{P - P_c}{1 - P_c},$$

where P_c is the probability of consistent classification by chance and P is the probability of consistent classification (unadjusted by chance).

Students can be misclassified in one of two ways for the AZELLA tests. Students who are truly not Proficient but were classified as being Proficient, based on the assessment, are considered to be false positives. Similarly, students who are truly Proficient, but were classified as being not Proficient are considered to be false negatives.

Figure 11.1: Classification Consistency for the Proficient Cut

		Expected Performance on Parallel Form	
		Not Proficient	Proficient
Observed Performance on Actual Form	Not Proficient	Consistent Classification	Inconsistent Classification
	Proficient	Inconsistent Classification	Consistent Classification

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Figure 11.2: Classification Accuracy for the Proficient Cut

		Expected Performance	
		Not Proficient	Proficient
Observed Performance	Not Proficient	Accurate Classification	False Negative
	Proficient	False Positive	Accurate Classification

For convenience, the scale score cut at Proficient and associated CSEM are presented for the Stages I through V tests on Total Combined and domains (Listening, Speaking, Reading, and Writing) in Table 11.3 through Table 11.7. Note that the scale score may not be exact Proficient level cut as it is the lowest scale score that appears in the raw-to-scale score table for the cut. For the exact Proficient level cut on the total scale score for the Kindergarten Placement Test and on the Total Combined Scale Score for the Stages I through V assessments, please refer to Table 11.1 and Table 11.2, respectively. The exact Proficient level cut on the domains are set at 250.

Table 11.3: CSEM at Proficient Cut on Total Combined Scale Score for the Spring 2014 Stage I through V Reassessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
I	Kindergarten	2328	18
II	01	2385	11
	02	2429	12
III	03	2457	12
	04	2472	12
	05	2475	12
IV	06 – 08	2477	11
V	09 - 12	2508	12

Table 11.4: CSEM at Proficient Cut on Listening Scale Score for the Spring 2014 Stage I through V Reassessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
I	Kindergarten	254	19
II	01	251	12
	02	256	14
III	03	255	13
	04	254	15
	05	254	19
IV	06 – 08	251	16
V	09 - 12	255	13

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Table 11.5: CSEM at Proficient Cut on Speaking Scale Score for the Spring 2014 Stage I through V Reassessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
I	Kindergarten	253	17
II	01	251	11
	02	252	11
III	03	254	14
	04	255	19
	05	256	23
IV	06 – 08	254	16
V	09 - 12	254	18

Table 11.6: CSEM at Proficient Cut on Reading Scale Score for the Spring 2014 Stage I through V Reassessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
I	Kindergarten	256	17
II	01	251	8
	02	250	8
III	03	250	9
	04	251	10
	05	250	12
IV	06 – 08	250	11
V	09 - 12	251	9

Table 11.7: CSEM at Proficient Cut on Writing Scale Score for the Spring 2014 Stage I through V Reassessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
I	Kindergarten	257	15
II	01	251	10
	02	250	11
III	03	252	10
	04	253	12
	05	253	15
IV	06 – 08	250	12
V	09 - 12	252	11

Classification consistency and accuracy for the Stage I through V tests are presented in Table 11.8. These results are for classifying students whether they are Proficient or not based on the calibration sample for the Spring 2014 AZELLA Reassessment. Included in the table for each

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grade and content area are case counts (N), classification consistency (Consistency), classification inconsistency (Inconsistency), probability of consistent classification by chance (Chance), Cohen's Kappa (κ), classification accuracy (Accuracy), false positive (False Positive), and false negative (False Negative). Inconsistency is defined as 1 - Consistency.

Table 11.8: **Classification Consistency and Accuracy for the Spring 2014 Stage I through V Reassessments**

Stage	Grade(s)	N	Consistency	Inconsistency	Chance	κ	Accuracy	False Positive	False Negative
I	Kindergarten	10733	0.85	0.15	0.53	0.67	0.89	0.06	0.05
II	01	14453	0.86	0.14	0.50	0.72	0.90	0.05	0.05
II	02	13722	0.86	0.14	0.50	0.72	0.90	0.05	0.05
III	03	9542	0.87	0.13	0.62	0.67	0.91	0.05	0.04
III	04	9111	0.85	0.15	0.53	0.68	0.89	0.05	0.06
III	05	6685	0.85	0.15	0.50	0.70	0.89	0.05	0.06
IV	06-08	10569	0.85	0.15	0.50	0.70	0.89	0.05	0.05
V	09-12	5265	0.87	0.13	0.57	0.69	0.90	0.05	0.04

Note: Results were computed using BB-CLASS (Brennan, 2004).

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Appendix A. AZELLA PLACEMENT ASSESSMENT STATISTICS

This appendix presents both item level and test level statistics for the Kindergarten Placement Test and Stages II through V placement tests. Unless noted otherwise, those statistics were generated when the assessments were scaled, which were the spring 2012 standalone field test for the Kindergarten Placement Test and the spring 2013 operational administration for the Stage II through V tests. For the development of Kindergarten Placement Test and Stages II through V Placement tests, please refer to the field test technical report (Arizona Department of Education, 2013c) and the 2012-2013 technical report (Arizona Department of Education, 2013d), respectively.

A.1 Classical Item Analysis

The classical item analysis for the AZELLA Placement tests was conducted based on the calibration samples, which were ELL students as described in Chapter 8. For the Kindergarten Placement Test, students who would potentially be enrolled in the ELL program based on the primary home language survey as well as non-ELL students who would be enrolled in the standard curriculum participated in the field test administration. For AZELLA Stages II through V tests, ELL and FEP students participated in the administration. The demographic information in the data for the AZELLA Placement Tests is summarized in Table A.1. Their classical item statistics are also presented in this section. Note that there were two forms with some linking items between the forms administered for the Kindergarten Placement Test during the field test administration. The frequency counts include the students from both forms. Also note that there were two forms with some linking items between the forms administered in spring 2013 for the Stages I through V tests. For Stages II through V, one of the forms became the Placement test for use starting fall 2013. The frequency counts include the students from both forms as well.

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Table A.1: Frequency of Students by Subgroups

		Kindergarten Placement Test	Stage II	Stage III	Stage IV	Stage V
ALL		983	41346	38576	19493	9031
ELL		612	28939	17672	6209	5230
Gender	Male	280	15360	10183	3664	2919
	Female	330	13574	7480	2540	2309
Hispanic	Hispanic	511	25070	15181	4855	3482
	Non-Hispanic	101	3869	2491	1354	1748
Ethnicity	Asian	28	1062	639	399	620
	American Indian or Alaskan Native	5	1961	1693	230	321
	Black or African American	12	500	382	72	382
	Native Hawaiian or Other Pacific Islander	10	146	109	609	155
	Multiple Indication	0	186	147	44	35
	White	351	24013	13845	4488	3298
Special Ed.	Special Ed.	-	2629	2840	1201	634
	Non-Special Ed.	-	26310	14832	5008	4596
Home Language	American Indian	-	262	210	108	35
	English	-	4344	2296	678	661
	Spanish	429	20293	11625	3639	2146
FEP		-	12407	20904	13284	3801
Non-ELL		371	0	0	0	0
F/R Lunch	FRL	-	33399	32169	16296	6267
	Non-FRL	-	7417	5902	2827	2372

Classical item statistics for the Placement tests, which correspond to Section 7.3, are presented in Table A.2 throught Table A.20. Note that operational items on one operational form for the Kindergarten Placement Test and the Stage II through V assessments are reported in a sequence of operational items.

Table A.2: Item-Level Statistics for Items in Prereading on Kindergarten Placement Test

			ELL			Non-ELL	
Item	Item Type	Max	N-Count	P-value	Pbis Total	N-Count	P-value
18	PR1	1	256	0.777	0.464	227	0.837
33	PR1	1	612	0.536	0.392	371	0.666
34	PR1	1	256	0.527	0.408	227	0.705
35	PR1	1	256	0.441	0.418	227	0.617
38	OR3	3	356	0.538	0.688	144	0.817

Note: OR3=3 Point Oral Response Items; PR1=1 Point Physical Response Items.

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Table A.3: Item-Level Statistics for Items in Prewriting on Kindergarten Placement Test

Item	Item Type	Max	ELL			Non-ELL	
			N-Count	P-value	Pbis Total	N-Count	P-value
16	PR1	1	256	0.805	0.682	227	0.934
17	PR1	1	256	0.805	0.683	227	0.943

Note: PR1=1 Point Physical Response Items.

Table A.4: Item-Level Statistics for Items in Listening/Speaking on Kindergarten Placement Test

Item	Item Type	Max	ELL			Non-ELL	
			N-Count	P-value	Pbis Total	N-Count	P-value
1	OR1	1	612	0.959	0.306	371	0.981
2	OR1	1	356	0.725	0.590	144	0.958
3	OR1	1	612	0.846	0.577	371	0.968
4	OR1	1	256	0.758	0.501	227	0.925
5	OR1	1	356	0.834	0.582	144	0.965
6	OR1	1	256	0.676	0.617	227	0.916
7	PR1	1	612	0.868	0.498	371	0.962
8	PR1	1	256	0.879	0.601	227	0.969
9	PR2	2	256	0.768	0.695	227	0.881
10	PR2	2	256	0.764	0.763	227	0.947
11	OR1	1	256	0.855	0.428	227	0.952
12	OR1	1	256	0.895	0.639	227	0.991
13	OR1	1	256	0.906	0.558	227	0.991
14	OR1	1	256	0.926	0.593	227	0.996
15	OR1	1	256	0.820	0.636	227	0.991
19	PR1	1	256	0.512	0.425	227	0.652
20	OR1	1	612	0.928	0.425	371	0.981
21	OR1	1	356	0.947	0.426	144	0.986
22	OR1	1	256	0.930	0.500	227	0.978
23	OR1	1	356	0.739	0.599	144	0.903
24	OR1	1	356	0.764	0.525	144	0.910
25	OR1	1	256	0.230	0.292	227	0.498
26	OR1	1	612	0.858	0.496	371	0.911
27	OR1	1	256	0.891	0.504	227	0.965
28	OR1	1	356	0.843	0.529	144	0.938
29	OR1	1	612	0.636	0.494	371	0.860
30	OR1	1	356	0.739	0.620	144	0.924
31	OR1	1	256	0.609	0.506	227	0.855
32	OR1	1	256	0.695	0.588	227	0.877
36	PR1	1	356	0.590	0.446	144	0.819
37	PR1	1	356	0.666	0.521	144	0.882

Note: OR1=1 Point Oral Response Item, PR1=1 Point Physical Response Items, PR2: 2 Point Physical Response Item.

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Table A.5: Item-Level Statistics for Items in Reading on Stage II

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
15	MC	1	28939	0.737	0.313	0.325	12407	0.881
16	MC	1	28939	0.738	0.473	0.489	12407	0.936
17	MC	1	14483	0.749	0.378	0.389	6489	0.898
18	MC	1	14483	0.586	0.263	0.295	6489	0.754
19	MC	1	14483	0.775	0.327	0.353	6489	0.896
20	MC	1	14483	0.802	0.493	0.507	6489	0.955
21	MC	1	14483	0.664	0.558	0.585	6489	0.904
22	MC	1	14483	0.628	0.481	0.508	6489	0.854
23	MC	1	14483	0.495	0.376	0.409	6489	0.740
24	MC	1	14483	0.673	0.449	0.477	6489	0.877
25	MC	1	14483	0.576	0.587	0.631	6489	0.852
26	MC	1	14483	0.507	0.400	0.442	6489	0.767
27	MC	1	14483	0.613	0.462	0.514	6489	0.840
28	MC	1	14483	0.668	0.487	0.538	6489	0.870
29	MC	1	28939	0.300	0.215	0.270	12407	0.472
30	MC	1	28939	0.506	0.393	0.444	12407	0.766
31	MC	1	28939	0.477	0.383	0.441	12407	0.734
32	MC	1	14483	0.707	0.601	0.630	6489	0.926
33	MC	1	14483	0.480	0.377	0.434	6489	0.712
34	MC	1	14483	0.508	0.430	0.485	6489	0.746
50	SA1	1	14483	0.267	0.207	0.235	6489	0.361
51	SA1	1	14483	0.093	0.083	0.110	6489	0.116
52	SA3	3	14483	0.458	0.522	0.582	6489	0.678

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item.

Table A.6: Item-Level Statistics for Items in Writing on Stage II

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
35	MC	1	28939	0.779	0.475	0.515	12407	0.946
36	MC	1	14483	0.419	0.271	0.331	6489	0.588
37	MC	1	14483	0.555	0.326	0.390	6489	0.737
38	MC	1	14483	0.666	0.455	0.516	6489	0.882
39	MC	1	14483	0.550	0.317	0.399	6489	0.742
40	MC	1	14483	0.467	0.336	0.404	6489	0.675
41	MC	1	14483	0.719	0.469	0.524	6489	0.904
42	MC	1	28939	0.590	0.430	0.488	12407	0.818
43	MC	1	14483	0.580	0.517	0.560	6489	0.822
44	MC	1	28939	0.335	0.099	0.180	12407	0.406
45	MC	1	14483	0.622	0.425	0.480	6489	0.838
46	MC	1	14483	0.458	0.360	0.421	6489	0.666
47	MC	1	28939	0.452	0.329	0.395	12407	0.688
48	ER	3	14483	0.721	0.688	0.737	6489	0.909
49	ER	3	14483	0.665	0.692	0.749	6489	0.865

Note: MC=Multiple-choice Item, ER=Extended Response Item.

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Table A.7: Item-Level Statistics for Items in Listening on Stage II

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	14483	0.664	0.297	0.450	6489	0.825
2	MC	1	14483	0.604	0.337	0.509	6489	0.783
3	MC	1	14483	0.425	0.362	0.539	6489	0.660
4	MC	1	14483	0.422	0.375	0.535	6489	0.656
5	MC	1	28939	0.458	0.321	0.445	12407	0.649
6	MC	1	14483	0.517	0.272	0.410	6489	0.667
7	MC	1	14483	0.679	0.293	0.428	6489	0.840
8	MC	1	14483	0.840	0.353	0.437	6489	0.953
9	MC	1	14483	0.836	0.308	0.388	6489	0.935
10	MC	1	28939	0.910	0.338	0.373	12407	0.981
11	MC	1	14483	0.846	0.317	0.387	6489	0.946
12	MC	1	14483	0.584	0.255	0.363	6489	0.741
13	MC	1	14483	0.792	0.357	0.440	6489	0.929
14	MC	1	28939	0.421	0.413	0.447	12407	0.702

Note: MC=Multiple-choice Item.

Table A.8: Item-Level Statistics for Items in Speaking on Stage II

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
53	SA4	4	14483	0.190	0.381	0.475	6489	0.360
54	SA4	4	28939	0.669	0.407	0.694	12407	0.723
55	SA4	4	14483	0.620	0.408	0.707	6489	0.692
56	SA4	4	14483	0.520	0.409	0.723	6489	0.623
57	SA4	4	28939	0.475	0.408	0.702	12407	0.579
58	SA4	4	14483	0.390	0.369	0.634	6489	0.456
59	SA4	4	14483	0.378	0.360	0.618	6489	0.436
60	SA4	4	14483	0.789	0.531	0.709	6489	0.902

Note: SA4=4 Point Short Answer Item.

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Table A.9: Item-Level Statistics for Items in Reading on Stage III

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
15	MC	1	8766	0.785	0.324	0.314	10753	0.918
16	MC	1	8766	0.367	0.291	0.330	10753	0.510
17	MC	1	8766	0.649	0.291	0.322	10753	0.792
18	MC	1	17672	0.463	0.410	0.436	20904	0.748
19	MC	1	8766	0.734	0.474	0.476	10753	0.926
20	MC	1	17672	0.459	0.286	0.345	20904	0.597
21	MC	1	17672	0.858	0.424	0.415	20904	0.961
22	MC	1	17672	0.360	0.106	0.175	20904	0.404
23	MC	1	17672	0.497	0.318	0.377	20904	0.645
24	MC	1	8766	0.560	0.501	0.541	10753	0.824
25	MC	1	8766	0.670	0.443	0.490	10753	0.847
26	MC	1	8766	0.475	0.407	0.464	10753	0.736
27	MC	1	8766	0.313	0.243	0.305	10753	0.472
28	MC	1	8766	0.289	0.186	0.249	10753	0.421
29	MC	1	8766	0.398	0.290	0.366	10753	0.587
30	MC	1	8766	0.507	0.425	0.481	10753	0.769
31	MC	1	8766	0.565	0.464	0.518	10753	0.803
32	MC	1	8766	0.193	0.036	0.097	10753	0.212
33	MC	1	8766	0.373	0.251	0.328	10753	0.528
34	MC	1	8766	0.421	0.337	0.402	10753	0.620
35	MC	1	8766	0.472	0.488	0.552	10753	0.737
36	MC	1	8766	0.403	0.347	0.421	10753	0.625
37	MC	1	8766	0.295	0.074	0.140	10753	0.344
56	SA1	1	8766	0.277	0.153	0.176	10753	0.347
57	SA1	1	8766	0.460	0.470	0.475	10753	0.754
58	SA1	1	8766	0.745	0.469	0.432	10753	0.905

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item.

Table A.10: Item-Level Statistics for Items in Writing on Stage III

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
38	MC	1	8766	0.848	0.389	0.440	10753	0.948
39	MC	1	17672	0.465	0.274	0.338	20904	0.584
40	MC	1	8766	0.404	0.193	0.255	10753	0.502
41	MC	1	8766	0.553	0.438	0.492	10753	0.776
42	MC	1	17672	0.452	0.319	0.384	20904	0.605
43	MC	1	8766	0.504	0.394	0.451	10753	0.698
44	MC	1	8766	0.648	0.506	0.565	10753	0.873
45	MC	1	8766	0.565	0.259	0.322	10753	0.740
46	MC	1	8766	0.393	0.302	0.365	10753	0.545
47	MC	1	17672	0.498	0.333	0.395	20904	0.725
48	MC	1	8766	0.574	0.469	0.525	10753	0.808
49	MC	1	8766	0.454	0.398	0.440	10753	0.680
50	MC	1	8766	0.756	0.535	0.585	10753	0.937
51	MC	1	8766	0.668	0.457	0.518	10753	0.842
52	MC	1	8766	0.382	0.280	0.336	10753	0.571
53	MC	1	17672	0.601	0.467	0.529	20904	0.841
54	ER	5	8766	0.540	0.671	0.719	10753	0.646
55	ER	5	8766	0.544	0.690	0.733	10753	0.664

Note: MC=Multiple-choice Item, ER=Extended Response Item.

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Table A.11: Item-Level Statistics for Items in Listening on Stage III

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	8766	0.289	0.177	0.292	10753	0.434
2	MC	1	8766	0.665	0.316	0.419	10753	0.806
3	MC	1	8766	0.602	0.329	0.392	10753	0.810
4	MC	1	8766	0.861	0.365	0.436	10753	0.939
5	MC	1	8766	0.756	0.233	0.383	10753	0.817
6	MC	1	17672	0.289	0.184	0.316	20904	0.411
7	MC	1	8766	0.787	0.475	0.534	10753	0.941
8	MC	1	17672	0.545	0.313	0.428	20904	0.692
9	MC	1	8766	0.585	0.266	0.421	10753	0.739
10	MC	1	17672	0.518	0.402	0.483	20904	0.730
11	MC	1	8766	0.560	0.274	0.427	10753	0.676
12	MC	1	8766	0.616	0.344	0.430	10753	0.753
13	MC	1	8766	0.550	0.275	0.373	10753	0.713
14	MC	1	8766	0.412	0.122	0.242	10753	0.458

Note: MC=Multiple-choice Item.

Table A.12: Item-Level Statistics for Items in Speaking on Stage III

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
59	SA4	4	8766	0.699	0.414	0.718	10753	0.743
60	SA4	4	8766	0.652	0.435	0.690	10753	0.723
61	SA4	4	8766	0.611	0.502	0.737	10753	0.693
62	SA4	4	17672	0.643	0.469	0.766	20904	0.713
63	SA4	4	17672	0.627	0.435	0.727	20904	0.699
64	SA4	4	8766	0.594	0.408	0.748	10753	0.655
65	SA4	4	8766	0.576	0.424	0.747	10753	0.650
66	SA4	4	8766	0.733	0.523	0.745	10753	0.813

Note: SA4=4 Point Short Answer Item.

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Table A.13: Item-Level Statistics for Items in Reading on Stage IV

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
15	MC	1	3067	0.833	0.331	0.334	6632	0.931
16	MC	1	6209	0.559	0.303	0.349	13284	0.758
17	MC	1	3067	0.774	0.468	0.441	6632	0.950
18	MC	1	3067	0.825	0.471	0.432	6632	0.983
19	MC	1	6209	0.861	0.483	0.448	13284	0.986
20	MC	1	3067	0.457	0.428	0.490	6632	0.715
21	MC	1	3067	0.465	0.346	0.417	6632	0.644
22	MC	1	3067	0.552	0.270	0.349	6632	0.717
23	MC	1	3067	0.425	0.345	0.400	6632	0.631
24	MC	1	3067	0.507	0.329	0.390	6632	0.709
25	MC	1	3067	0.360	0.301	0.378	6632	0.522
26	MC	1	3067	0.215	0.264	0.331	6632	0.419
27	MC	1	3067	0.259	0.163	0.255	6632	0.386
28	MC	1	3067	0.416	0.377	0.443	6632	0.668
29	MC	1	3067	0.287	0.157	0.226	6632	0.362
30	MC	1	3067	0.222	0.026	0.107	6632	0.169
31	MC	1	3067	0.433	0.340	0.405	6632	0.661
32	MC	1	3067	0.403	0.288	0.385	6632	0.607
33	MC	1	3067	0.318	0.209	0.256	6632	0.468
34	MC	1	3067	0.383	0.335	0.412	6632	0.676
35	MC	1	3067	0.351	0.220	0.284	6632	0.470
36	MC	1	3067	0.318	0.293	0.357	6632	0.480
37	MC	1	6209	0.432	0.367	0.393	13284	0.705
38	MC	1	6209	0.196	-0.003	0.053	13284	0.170
39	MC	1	6209	0.354	0.188	0.271	13284	0.471
40	MC	1	6209	0.302	0.179	0.250	13284	0.368
61	SA1	1	3067	0.474	0.235	0.248	6632	0.602
62	SA1	1	3067	0.754	0.397	0.360	6632	0.930

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item.

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Table A.14: Item-Level Statistics for Items in Writing on Stage IV

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
41	MC	1	3067	0.717	0.300	0.373	6632	0.850
42	MC	1	6209	0.344	0.153	0.214	13284	0.414
43	MC	1	3067	0.530	0.331	0.386	6632	0.681
44	MC	1	3067	0.452	0.335	0.389	6632	0.660
45	MC	1	3067	0.456	0.310	0.387	6632	0.636
46	MC	1	3067	0.451	0.337	0.415	6632	0.628
47	MC	1	3067	0.427	0.377	0.439	6632	0.684
48	MC	1	3067	0.381	0.327	0.411	6632	0.683
49	MC	1	3067	0.391	0.301	0.370	6632	0.545
50	MC	1	3067	0.307	0.228	0.298	6632	0.418
51	MC	1	3067	0.660	0.475	0.528	6632	0.928
52	MC	1	6209	0.508	0.383	0.448	13284	0.791
53	MC	1	6209	0.230	0.093	0.135	13284	0.315
54	MC	1	3067	0.533	0.402	0.466	6632	0.840
55	MC	1	3067	0.203	0.160	0.192	6632	0.427
56	MC	1	6209	0.602	0.398	0.464	13284	0.820
57	MC	1	3067	0.435	0.414	0.449	6632	0.754
58	MC	1	3067	0.279	0.142	0.186	6632	0.403
59	ER	5	3067	0.455	0.664	0.694	6632	0.614
60	ER	5	3067	0.420	0.625	0.671	6632	0.571

Note: MC=Multiple-choice Item, ER=Extended Response Item.

Table A.15: Item-Level Statistics for Items in Listening on Stage IV

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	3067	0.696	0.306	0.437	6632	0.831
2	MC	1	6209	0.672	0.370	0.466	13284	0.857
3	MC	1	3067	0.784	0.304	0.376	6632	0.886
4	MC	1	3067	0.422	0.247	0.368	6632	0.517
5	MC	1	3067	0.416	0.177	0.300	6632	0.427
6	MC	1	6209	0.754	0.327	0.428	13284	0.868
7	MC	1	3067	0.488	0.239	0.368	6632	0.634
8	MC	1	3067	0.482	0.276	0.385	6632	0.634
9	MC	1	3067	0.713	0.365	0.468	6632	0.811
10	MC	1	3067	0.570	0.315	0.409	6632	0.725
11	MC	1	3067	0.610	0.355	0.470	6632	0.785
12	MC	1	6209	0.554	0.296	0.416	13284	0.713
13	MC	1	3067	0.465	0.259	0.380	6632	0.619
14	MC	1	3067	0.300	0.155	0.281	6632	0.379

Note: MC=Multiple-choice Item.

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Table A.16: Item-Level Statistics for Items in Speaking on Stage IV

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
63	SA4	4	3067	0.680	0.452	0.741	6632	0.738
64	SA4	4	3067	0.526	0.458	0.742	6632	0.615
65	SA4	4	6209	0.469	0.493	0.751	13284	0.602
66	SA4	4	3067	0.593	0.515	0.765	6632	0.699
67	SA4	4	6209	0.573	0.494	0.798	13284	0.684
68	SA4	4	3067	0.539	0.504	0.804	6632	0.651
69	SA4	4	3067	0.567	0.514	0.809	6632	0.687
70	SA4	4	3067	0.675	0.550	0.785	6632	0.759

Note: SA4=4 Point Short Answer Item.

Table A.17: Item-Level Statistics for Items in Reading on Stage V

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
15	MC	1	5230	0.648	0.186	0.219	3801	0.737
16	MC	1	2482	0.847	0.466	0.437	1853	0.979
17	MC	1	2482	0.376	0.322	0.374	1853	0.571
18	MC	1	2482	0.760	0.473	0.477	1853	0.937
19	MC	1	5230	0.659	0.411	0.361	3801	0.923
20	MC	1	2482	0.857	0.490	0.414	1853	0.988
21	MC	1	5230	0.531	0.342	0.415	3801	0.695
22	MC	1	5230	0.461	0.333	0.397	3801	0.653
23	MC	1	5230	0.743	0.497	0.518	3801	0.922
24	MC	1	5230	0.379	0.297	0.350	3801	0.570
25	MC	1	2482	0.465	0.380	0.403	1853	0.715
26	MC	1	2482	0.682	0.445	0.468	1853	0.891
27	MC	1	2482	0.579	0.395	0.457	1853	0.802
28	MC	1	2482	0.414	0.398	0.441	1853	0.654
29	MC	1	2482	0.445	0.390	0.416	1853	0.689
30	MC	1	2482	0.694	0.442	0.497	1853	0.877
31	MC	1	2482	0.792	0.504	0.513	1853	0.960
32	MC	1	2482	0.387	0.294	0.345	1853	0.545
33	MC	1	2482	0.584	0.332	0.401	1853	0.754
34	MC	1	2482	0.498	0.223	0.310	1853	0.625
35	MC	1	2482	0.460	0.377	0.453	1853	0.680
36	MC	1	2482	0.496	0.230	0.321	1853	0.607
37	MC	1	2482	0.419	0.212	0.277	1853	0.526
38	MC	1	2482	0.561	0.390	0.450	1853	0.752
39	MC	1	2482	0.455	0.387	0.485	1853	0.661
40	MC	1	2482	0.384	0.305	0.354	1853	0.610
41	MC	1	2482	0.314	0.242	0.305	1853	0.456
42	MC	1	2482	0.496	0.407	0.464	1853	0.711

Note: MC=Multiple-choice Item.

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Table A.18: Item-Level Statistics for Items in Writing on Stage V

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
43	MC	1	2482	0.880	0.295	0.350	1853	0.943
44	MC	1	2482	0.415	0.275	0.344	1853	0.567
45	MC	1	2482	0.700	0.443	0.479	1853	0.887
46	MC	1	2482	0.274	0.253	0.298	1853	0.396
47	MC	1	5230	0.189	0.137	0.175	3801	0.279
48	MC	1	2482	0.702	0.462	0.508	1853	0.909
49	MC	1	2482	0.510	0.469	0.514	1853	0.855
50	MC	1	2482	0.224	0.147	0.221	1853	0.232
51	MC	1	2482	0.458	0.366	0.423	1853	0.658
52	MC	1	5230	0.575	0.425	0.459	3801	0.879
53	MC	1	2482	0.679	0.505	0.541	1853	0.903
54	MC	1	2482	0.209	0.102	0.143	1853	0.203
55	MC	1	2482	0.479	0.362	0.384	1853	0.727
56	MC	1	2482	0.585	0.438	0.468	1853	0.846
57	MC	1	5230	0.252	0.274	0.293	3801	0.459
58	MC	1	2482	0.602	0.368	0.453	1853	0.723
59	MC	1	5230	0.621	0.495	0.536	3801	0.832
60	MC	1	2482	0.533	0.461	0.517	1853	0.769
61	ER	5	2482	0.503	0.720	0.767	1853	0.661
62	ER	5	2482	0.518	0.680	0.733	1853	0.646

Note: MC=Multiple-choice Item.

Table A.19: Item-Level Statistics for Items in Listening on Stage V

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	2482	0.693	0.431	0.523	1853	0.897
2	MC	1	5230	0.719	0.404	0.496	3801	0.922
3	MC	1	2482	0.596	0.408	0.505	1853	0.864
4	MC	1	5230	0.501	0.263	0.384	3801	0.685
5	MC	1	2482	0.541	0.362	0.463	1853	0.753
6	MC	1	2482	0.553	0.416	0.513	1853	0.772
7	MC	1	2482	0.638	0.367	0.457	1853	0.818
8	MC	1	2482	0.641	0.432	0.522	1853	0.872
9	MC	1	2482	0.552	0.338	0.424	1853	0.749
10	MC	1	2482	0.541	0.317	0.399	1853	0.713
11	MC	1	2482	0.378	0.211	0.300	1853	0.522
12	MC	1	2482	0.363	0.274	0.341	1853	0.578
13	MC	1	5230	0.379	0.361	0.452	3801	0.605
14	MC	1	2482	0.538	0.411	0.478	1853	0.763

Note: MC=Multiple-choice Item.

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Table A.20: Item-Level Statistics for Items in Speaking on Stage V

Item	Item Type	Max	ELL				FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
63	SA4	4	2482	0.645	0.519	0.758	1853	0.758
64	SA4	4	5230	0.567	0.521	0.735	3801	0.690
65	SA4	4	2482	0.606	0.579	0.803	1853	0.735
66	SA4	4	2482	0.573	0.531	0.785	1853	0.699
67	SA4	4	2482	0.629	0.557	0.805	1853	0.734
68	SA4	4	5230	0.442	0.524	0.749	3801	0.651
69	SA4	4	2482	0.598	0.527	0.762	1853	0.686
70	SA4	4	2482	0.713	0.620	0.803	1853	0.893

Note: SA4=4 Point Short Answer Item.

In addition, the statistics for the distractor analysis are summarized by stage and domain in Table A.21 throught Table A.32 for multiple-choice items for the Stages II through V Placement tests. Note that the distractor analysis was not implemented for the Kindergarten Placement Test because test administrators only recorded student scores as opposed to student responses.

Table A.21: Distractor Analysis of Multiple Choice Items in Reading on Stage II

Item	Correct Option		Distractor 1		Distractor 2		% Omit
	%	PtBis	%	PtBis	%	PtBis	
15	73.66	0.31	14.00	-0.18	11.78	-0.22	0.56
16	73.77	0.47	14.74	-0.42	11.13	-0.17	0.36
17	74.92	0.38	6.40	-0.17	18.28	-0.30	0.41
18	58.65	0.26	20.71	-0.24	19.86	-0.06	0.78
19	77.54	0.33	7.80	-0.24	14.12	-0.19	0.54
20	80.23	0.49	9.80	-0.34	8.78	-0.29	1.18
21	66.37	0.56	14.60	-0.34	18.26	-0.35	0.78
22	62.82	0.48	13.14	-0.22	22.83	-0.35	1.22
23	49.46	0.38	32.94	-0.33	16.84	-0.06	0.76
24	67.28	0.45	18.06	-0.32	13.75	-0.23	0.91
25	57.55	0.59	26.64	-0.36	14.82	-0.34	0.99
26	50.74	0.40	19.83	-0.28	28.15	-0.17	1.28
27	61.28	0.46	21.12	-0.38	16.61	-0.15	0.99
28	66.78	0.49	15.28	-0.30	16.74	-0.29	1.20
29	29.96	0.22	39.31	-0.09	29.71	-0.09	1.02
30	50.57	0.39	21.23	-0.30	26.87	-0.14	1.32
31	47.75	0.38	25.32	-0.14	25.38	-0.27	1.55
32	70.68	0.60	15.83	-0.42	12.59	-0.33	0.90
33	47.97	0.38	30.55	-0.09	20.41	-0.33	1.08
34	50.76	0.43	19.40	-0.23	28.65	-0.25	1.18

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Table A.22: Distractor Analysis of Multiple Choice Items in Writing on Stage II

Item	Correct Option		Distractor 1		Distractor 2		%
	%	PtBis	%	PtBis	%	PtBis	Omit
35	77.94	0.48	14.34	-0.36	7.41	-0.25	0.31
36	41.93	0.27	33.22	-0.07	24.43	-0.21	0.42
37	55.49	0.33	23.90	-0.09	19.98	-0.29	0.64
38	66.55	0.45	14.16	-0.32	18.82	-0.24	0.46
39	55.00	0.32	30.25	-0.14	14.13	-0.25	0.62
40	46.74	0.34	36.09	-0.12	16.69	-0.27	0.48
41	71.91	0.47	15.57	-0.33	11.99	-0.26	0.53
42	59.03	0.43	22.21	-0.24	17.91	-0.27	0.85
43	57.99	0.52	26.10	-0.30	15.42	-0.32	0.49
44	33.54	0.10	41.75	0.01	24.05	-0.10	0.65
45	62.16	0.42	21.79	-0.21	15.19	-0.31	0.86
46	45.77	0.36	24.12	-0.33	29.39	-0.07	0.72
47	45.18	0.33	34.69	-0.15	19.12	-0.21	1.01

Table A.23: Distractor Analysis of Multiple Choice Items in Listening on Stage II

Item	Correct Option		Distractor 1		Distractor 2		%
	%	PtBis	%	PtBis	%	PtBis	Omit
1	66.37	0.30	23.03	-0.22	9.56	-0.13	1.04
2	60.44	0.34	22.61	-0.21	15.79	-0.18	1.17
3	42.49	0.36	22.23	-0.26	34.25	-0.13	1.03
4	42.22	0.38	24.14	-0.21	32.14	-0.18	1.51
5	45.75	0.32	11.99	-0.20	41.66	-0.18	0.59
6	51.69	0.27	26.72	-0.19	20.74	-0.11	0.85
7	67.87	0.29	26.74	-0.22	5.12	-0.17	0.27
8	83.98	0.35	6.41	-0.14	9.29	-0.31	0.31
9	83.65	0.31	2.94	-0.18	13.16	-0.24	0.25
10	91.05	0.34	4.25	-0.21	4.40	-0.24	0.30
11	84.61	0.32	6.30	-0.22	8.77	-0.20	0.32
12	58.36	0.25	29.23	-0.10	12.08	-0.23	0.33
13	79.22	0.36	8.39	-0.19	11.81	-0.27	0.57
14	42.13	0.41	14.24	-0.19	42.74	-0.26	0.89

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Table A.24: Distractor Analysis of Multiple Choice Items in Reading on Stage III

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
15	78.45	0.32	4.28	-0.16	5.33	-0.17	11.57	-0.18	0.38
16	36.72	0.29	51.21	-0.10	5.92	-0.20	5.69	-0.16	0.46
17	64.88	0.29	11.46	-0.14	4.41	-0.18	18.32	-0.11	0.92
18	46.28	0.41	13.60	-0.26	8.02	-0.15	31.47	-0.14	0.63
19	73.44	0.47	8.51	-0.25	7.60	-0.20	8.64	-0.25	1.81
20	45.87	0.29	16.74	-0.12	13.51	-0.14	23.25	-0.09	0.63
21	85.79	0.42	7.53	-0.24	3.76	-0.21	2.50	-0.22	0.41
22	36.02	0.11	16.12	-0.02	30.83	-0.01	16.50	-0.07	0.53
23	49.74	0.32	28.86	-0.06	7.49	-0.24	13.07	-0.17	0.84
24	55.97	0.50	12.81	-0.24	10.24	-0.20	20.55	-0.24	0.43
25	67.02	0.44	16.16	-0.21	8.45	-0.21	7.79	-0.23	0.57
26	47.46	0.41	13.07	-0.16	16.10	-0.18	21.59	-0.17	1.78
27	31.30	0.24	26.49	-0.13	21.53	-0.05	20.18	-0.06	0.50
28	28.90	0.19	14.74	-0.12	27.69	-0.11	27.97	0.05	0.71
29	39.79	0.29	18.33	-0.10	19.22	-0.10	21.46	-0.12	1.20
30	50.71	0.43	25.37	-0.18	13.39	-0.18	9.96	-0.21	0.57
31	56.48	0.46	12.49	-0.20	12.17	-0.22	18.01	-0.19	0.84
32	19.28	0.04	25.93	0.02	18.87	-0.16	34.87	0.12	1.05
33	37.31	0.25	23.35	-0.06	25.21	-0.04	12.86	-0.18	1.27
34	42.14	0.34	18.56	-0.24	22.30	-0.03	16.32	-0.13	0.67
35	47.23	0.49	17.98	-0.19	16.80	-0.23	17.12	-0.19	0.87
36	40.35	0.35	23.96	-0.12	16.69	-0.15	18.13	-0.13	0.88
37	29.49	0.07	17.08	-0.07	34.55	0.11	18.05	-0.12	0.83

Table A.25: Distractor Analysis of Multiple Choice Items in Writing on Stage III

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
38	84.82	0.39	3.81	-0.25	2.29	-0.21	8.75	-0.18	0.33
39	46.47	0.27	12.92	-0.20	27.39	-0.02	12.75	-0.15	0.46
40	40.39	0.19	34.76	0.06	7.88	-0.18	16.07	-0.17	0.89
41	55.28	0.44	10.47	-0.20	12.29	-0.18	21.58	-0.21	0.38
42	45.24	0.32	11.25	-0.23	16.19	-0.16	26.35	-0.03	0.97
43	50.37	0.39	9.57	-0.25	17.61	-0.20	21.88	-0.09	0.57
44	64.78	0.51	10.76	-0.19	10.02	-0.22	13.46	-0.30	0.98
45	56.48	0.26	20.76	-0.04	13.78	-0.12	8.51	-0.20	0.47
46	39.25	0.30	7.64	-0.20	36.86	-0.08	15.10	-0.12	1.14
47	49.82	0.33	5.99	-0.24	14.13	-0.27	29.44	0.00	0.62
48	57.38	0.47	22.83	-0.21	12.04	-0.25	6.48	-0.18	1.28
49	45.45	0.40	24.33	-0.10	14.21	-0.21	15.26	-0.19	0.74
50	75.61	0.54	7.22	-0.26	6.83	-0.27	8.83	-0.28	1.51
51	66.78	0.46	10.28	-0.26	13.45	-0.17	8.89	-0.23	0.60
52	38.16	0.28	8.65	-0.21	38.87	0.06	13.40	-0.28	0.92
53	60.07	0.47	14.79	-0.19	13.20	-0.21	11.27	-0.25	0.68

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Table A.26: Distractor Analysis of Multiple Choice Items in Listening on Stage III

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
1	28.92	0.18	48.28	0.08	2.28	-0.13	20.19	-0.24	0.33
2	66.48	0.32	8.68	-0.10	17.52	-0.23	6.50	-0.11	0.81
3	60.23	0.33	15.87	-0.13	14.02	-0.23	9.61	-0.10	0.27
4	86.08	0.37	2.24	-0.17	3.24	-0.19	8.15	-0.23	0.30
5	75.58	0.23	16.94	-0.08	3.24	-0.15	3.99	-0.20	0.25
6	28.92	0.18	24.59	0.03	38.11	-0.15	7.85	-0.07	0.53
7	78.71	0.47	4.97	-0.20	6.17	-0.25	9.87	-0.28	0.27
8	54.47	0.31	9.84	-0.24	11.91	-0.21	22.84	-0.02	0.94
9	58.51	0.27	3.86	-0.17	4.99	-0.21	32.36	-0.10	0.29
10	51.82	0.40	15.62	-0.10	16.57	-0.17	15.01	-0.26	0.98
11	56.02	0.27	16.04	-0.11	14.53	-0.08	13.05	-0.18	0.35
12	61.64	0.34	5.45	-0.19	21.95	-0.13	10.35	-0.20	0.62
13	54.99	0.28	13.00	-0.13	12.25	-0.09	19.47	-0.15	0.29
14	41.23	0.12	23.03	0.07	16.89	-0.03	18.42	-0.18	0.42

Table A.27: Distractor Analysis of Multiple Choice Items in Reading on Stage IV

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
15	83.31	0.33	9.00	-0.22	3.46	-0.14	4.14	-0.17	0.10
16	55.89	0.30	21.39	-0.13	9.05	-0.10	13.11	-0.18	0.56
17	77.44	0.47	10.24	-0.27	6.19	-0.21	5.87	-0.26	0.26
18	82.46	0.47	6.55	-0.35	4.76	-0.18	5.93	-0.22	0.29
19	86.08	0.48	6.17	-0.34	3.78	-0.22	3.25	-0.19	0.71
20	45.68	0.43	8.44	-0.21	33.06	-0.26	12.65	-0.09	0.16
21	46.53	0.35	23.54	-0.07	15.03	-0.18	14.70	-0.22	0.20
22	55.23	0.27	10.82	-0.21	22.01	-0.06	11.74	-0.13	0.20
23	42.45	0.35	23.18	-0.05	23.57	-0.19	10.60	-0.22	0.20
24	50.67	0.33	27.26	-0.11	9.81	-0.18	11.97	-0.18	0.29
25	35.96	0.30	24.39	-0.15	26.41	-0.11	12.78	-0.10	0.46
26	21.52	0.26	41.15	-0.01	26.34	-0.10	10.63	-0.17	0.36
27	25.89	0.16	18.75	0.03	23.18	-0.05	31.40	-0.12	0.78
28	41.57	0.38	24.49	-0.10	17.28	-0.21	16.37	-0.17	0.29
29	28.73	0.16	29.44	0.04	25.37	-0.04	16.07	-0.18	0.39
30	22.17	0.03	23.38	0.00	27.23	-0.11	26.96	0.09	0.26
31	43.30	0.34	19.47	-0.19	14.12	-0.16	22.69	-0.08	0.42
32	40.30	0.29	23.41	-0.17	17.35	-0.12	18.75	-0.06	0.20
33	31.79	0.21	26.64	-0.18	22.95	0.03	18.36	-0.07	0.26
34	38.28	0.34	20.57	-0.09	23.64	-0.20	16.86	-0.09	0.65
35	35.15	0.22	23.70	-0.15	23.80	-0.09	17.02	0.00	0.33
36	31.82	0.29	15.19	-0.16	26.18	-0.03	26.31	-0.14	0.49
37	43.24	0.37	16.80	-0.13	19.54	-0.15	19.55	-0.15	0.87
38	19.62	0.00	24.74	-0.05	30.47	0.13	24.37	-0.06	0.81
39	35.40	0.19	18.33	-0.06	21.53	-0.11	23.88	-0.02	0.85
40	30.20	0.18	21.50	-0.06	27.93	-0.01	19.65	-0.11	0.72

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Table A.28: Distractor Analysis of Multiple Choice Items in Writing on Stage IV

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
41	71.67	0.30	8.58	-0.19	14.64	-0.15	4.99	-0.12	0.13
42	34.35	0.15	9.65	-0.17	26.99	0.00	28.36	-0.03	0.64
43	52.95	0.33	17.38	-0.28	6.85	-0.11	22.46	-0.06	0.36
44	45.16	0.34	17.22	-0.14	23.54	-0.15	13.89	-0.14	0.20
45	45.61	0.31	12.46	-0.16	24.81	-0.09	16.04	-0.15	1.08
46	45.09	0.34	22.63	-0.12	18.39	-0.21	13.73	-0.11	0.16
47	42.75	0.38	24.39	-0.08	17.80	-0.18	14.77	-0.24	0.29
48	38.05	0.33	23.77	-0.16	15.32	-0.24	22.40	0.00	0.46
49	39.13	0.30	11.93	-0.09	17.41	-0.18	30.32	-0.09	1.21
50	30.68	0.23	22.20	-0.09	7.66	-0.15	39.13	-0.05	0.33
51	65.99	0.48	13.04	-0.21	11.84	-0.25	8.74	-0.25	0.39
52	50.83	0.38	15.22	-0.19	14.53	-0.12	17.59	-0.17	1.84
53	23.03	0.09	16.89	-0.05	29.73	-0.10	29.62	0.09	0.72
54	53.31	0.40	15.06	-0.20	15.10	-0.19	16.17	-0.15	0.36
55	20.35	0.16	45.45	0.06	21.72	-0.08	11.57	-0.17	0.91
56	60.22	0.40	16.54	-0.19	8.52	-0.18	14.00	-0.18	0.72
57	43.46	0.41	29.64	-0.26	8.97	-0.19	17.48	-0.07	0.46
58	27.91	0.14	28.76	0.00	7.79	-0.13	34.95	-0.04	0.59

Table A.29: Distractor Analysis of Multiple Choice Items in Listening on Stage IV

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
1	69.58	0.31	9.81	-0.06	4.70	-0.28	15.72	-0.17	0.20
2	67.18	0.37	15.14	-0.26	8.17	-0.12	9.20	-0.15	0.32
3	78.38	0.30	6.85	-0.20	7.43	-0.12	7.04	-0.15	0.29
4	42.19	0.25	27.94	0.00	14.74	-0.20	14.61	-0.14	0.52
5	41.57	0.18	49.20	0.00	4.37	-0.27	4.70	-0.15	0.16
6	75.44	0.33	7.39	-0.25	9.47	-0.11	7.42	-0.15	0.27
7	48.81	0.24	8.38	-0.16	19.37	-0.15	23.05	-0.04	0.39
8	48.22	0.28	7.50	-0.14	17.38	-0.14	26.25	-0.10	0.65
9	71.31	0.36	5.51	-0.23	12.81	-0.09	10.14	-0.27	0.23
10	56.99	0.31	8.67	-0.19	21.23	-0.16	12.65	-0.09	0.46
11	60.97	0.36	11.22	-0.10	15.39	-0.11	12.03	-0.30	0.39
12	55.39	0.30	17.10	-0.16	18.68	-0.15	8.52	-0.08	0.31
13	46.53	0.26	16.56	-0.19	21.65	-0.03	15.10	-0.12	0.16
14	29.96	0.16	10.04	-0.18	28.86	0.11	30.32	-0.15	0.82

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Table A.30: Distractor Analysis of Multiple Choice Items in Reading on Stage V

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
15	64.82	0.19	29.67	-0.06	2.75	-0.17	2.50	-0.19	0.25
16	84.73	0.47	6.33	-0.26	3.59	-0.21	5.04	-0.27	0.32
17	37.55	0.32	35.82	-0.04	4.07	-0.15	22.24	-0.25	0.32
18	75.99	0.47	13.78	-0.29	5.16	-0.19	4.79	-0.25	0.28
19	65.95	0.41	16.29	-0.17	10.29	-0.22	6.86	-0.22	0.61
20	85.74	0.49	6.57	-0.29	4.19	-0.23	3.26	-0.28	0.24
21	53.06	0.34	11.95	-0.14	8.41	-0.20	26.33	-0.14	0.25
22	46.10	0.33	27.65	-0.20	17.67	-0.11	8.09	-0.11	0.50
23	74.26	0.50	5.41	-0.26	12.72	-0.27	7.17	-0.24	0.44
24	37.90	0.30	21.43	0.00	29.66	-0.24	10.57	-0.10	0.44
25	46.45	0.38	23.93	-0.10	13.26	-0.32	15.91	-0.09	0.44
26	68.21	0.44	15.59	-0.29	9.11	-0.17	6.85	-0.19	0.24
27	57.94	0.39	10.35	-0.16	12.25	-0.10	18.94	-0.27	0.52
28	41.42	0.40	19.86	-0.15	21.56	-0.11	16.52	-0.23	0.64
29	44.48	0.39	22.12	-0.28	20.51	-0.01	12.65	-0.21	0.24
30	69.42	0.44	6.49	-0.23	11.16	-0.26	12.49	-0.17	0.44
31	79.17	0.50	5.04	-0.24	5.64	-0.21	10.03	-0.33	0.12
32	38.68	0.29	25.54	-0.14	23.01	-0.04	12.05	-0.17	0.73
33	58.42	0.33	17.93	-0.18	10.80	-0.21	12.21	-0.07	0.64
34	49.76	0.22	24.70	-0.07	13.78	-0.20	11.40	-0.02	0.36
35	45.97	0.38	15.43	-0.22	14.30	-0.18	23.97	-0.10	0.32
36	49.64	0.23	13.82	-0.08	25.14	-0.08	10.88	-0.15	0.52
37	41.86	0.21	20.39	-0.07	22.80	0.02	14.38	-0.23	0.56
38	56.12	0.39	15.71	-0.15	13.94	-0.23	13.66	-0.15	0.56
39	45.53	0.39	16.72	-0.09	25.75	-0.21	11.56	-0.19	0.44
40	38.40	0.31	21.72	-0.08	20.35	-0.15	18.90	-0.12	0.64
41	31.39	0.24	35.94	-0.15	16.44	-0.06	15.35	-0.02	0.89
42	49.60	0.41	18.01	-0.10	16.36	-0.10	15.47	-0.33	0.56

Table A.31: Distractor Analysis of Multiple Choice Items in Writing on Stage V

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
43	87.95	0.29	8.30	-0.18	2.10	-0.16	1.41	-0.16	0.24
44	41.46	0.27	32.47	-0.02	12.57	-0.17	12.73	-0.20	0.77
45	69.98	0.44	6.85	-0.18	8.82	-0.21	14.14	-0.27	0.20
46	27.44	0.25	7.74	-0.13	29.13	-0.12	35.25	-0.04	0.44
47	18.85	0.14	5.89	-0.11	10.00	-0.14	64.51	0.05	0.75
48	70.19	0.46	6.69	-0.22	9.67	-0.21	11.93	-0.26	1.53
49	51.01	0.47	30.02	-0.23	9.99	-0.31	8.66	-0.10	0.32
50	22.44	0.15	44.04	-0.11	8.06	-0.10	25.22	0.06	0.24
51	45.81	0.37	17.85	-0.20	19.22	-0.09	16.20	-0.16	0.93
52	57.46	0.42	12.68	-0.25	21.19	-0.13	8.41	-0.25	0.27
53	67.93	0.50	8.58	-0.23	14.14	-0.32	9.07	-0.19	0.28
54	20.87	0.10	21.23	-0.01	11.12	-0.19	45.77	0.05	1.01
55	47.86	0.36	27.28	-0.20	12.13	-0.12	12.41	-0.15	0.32
56	58.50	0.44	16.28	-0.16	9.27	-0.26	15.43	-0.20	0.52
57	25.20	0.27	36.50	-0.05	17.97	-0.07	18.95	-0.15	1.38
58	60.15	0.37	6.93	-0.27	16.24	-0.16	16.32	-0.12	0.36
59	62.14	0.49	9.60	-0.20	13.79	-0.26	13.98	-0.23	0.50
60	53.34	0.46	14.95	-0.20	14.50	-0.21	16.84	-0.20	0.36

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Table A.32: Distractor Analysis of Multiple Choice Items in Listening on Stage V

Item	Correct Option		Distractor 1		Distractor 2		Distractor 3		%
	%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
1	69.34	0.43	9.91	-0.23	12.21	-0.28	8.06	-0.13	0.48
2	71.89	0.40	11.97	-0.20	7.74	-0.21	7.78	-0.20	0.61
3	59.63	0.41	5.44	-0.29	4.79	-0.17	29.98	-0.21	0.16
4	50.11	0.26	8.05	-0.16	35.30	-0.14	6.12	-0.07	0.42
5	54.15	0.36	3.63	-0.20	17.12	-0.29	24.42	-0.07	0.68
6	55.28	0.42	19.10	-0.19	14.54	-0.20	10.48	-0.20	0.60
7	63.82	0.37	14.42	-0.03	7.01	-0.22	13.78	-0.29	0.97
8	64.14	0.43	18.65	-0.26	5.48	-0.21	11.44	-0.17	0.28
9	55.16	0.34	13.01	-0.12	21.68	-0.17	9.79	-0.19	0.36
10	54.15	0.32	18.73	-0.11	14.67	-0.19	11.60	-0.12	0.85
11	37.79	0.21	12.37	-0.12	11.20	-0.16	38.36	-0.02	0.28
12	36.30	0.27	13.34	-0.06	18.65	-0.23	31.22	-0.03	0.48
13	37.92	0.36	13.54	-0.15	22.24	-0.26	25.85	-0.03	0.46
14	53.83	0.41	25.71	-0.14	12.21	-0.25	8.02	-0.21	0.24

A.2 IRT Statistics

IRT statistics, which correspond to Section 8.3, for the AZELLA Placement tests are presented in Table A.33 through Table A.51. The Kindergarten Placement Test is a pre-equated test and its score table was generated using the IRT statistics from the field test. The AZELLA Stages II through V Placement Tests are also pre-equated tests and their score tables were generated using the IRT statistics from the 2013 spring administration.

Table A.33: IRT Statistics for Items in Prereading on Kindergarten Placement Test

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
18	PR1	-0.11	0.18	1.16	1.13	35	PR1	2.00	0.15	1.07	1.16
33	PR1	1.60	0.10	1.17	1.41	38	OR3	1.72	0.07	1.15	1.14
34	PR1	1.52	0.15	1.12	1.88						

Note: OR3=3 Point Oral Response Items; PR1=1 Point Physical Response Items.

Table A.34: IRT Statistics for Items in Prewriting on Kindergarten Placement Test

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
16	PR1	-0.34	0.19	0.78	0.59	17	PR1	-0.34	0.19	0.79	0.53

Note: PR1=1 Point Physical Response Items.

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Table A.35: IRT Statistics for Items in Listening/Speaking on Kindergarten Placement Test

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	OR1	-2.51	0.24	1.14	0.89	20	OR1	-1.71	0.18	1.04	0.91
2	OR1	0.55	0.14	0.88	0.84	21	OR1	-1.90	0.26	0.90	0.55
3	OR1	-0.57	0.13	0.89	0.81	22	OR1	-2.04	0.30	1.06	0.48
4	OR1	0.05	0.18	1.08	1.41	23	OR1	0.46	0.14	0.87	0.73
5	OR1	-0.31	0.16	0.85	0.87	24	OR1	0.27	0.15	0.98	0.83
6	OR1	0.64	0.16	0.86	0.83	25	OR1	3.29	0.17	1.15	1.22
7	PR1	-0.81	0.14	0.99	0.93	26	OR1	-0.69	0.13	0.98	1.12
8	PR1	-1.16	0.23	0.88	0.58	27	OR1	-1.33	0.24	1.07	0.77
9	PR2	0.12	0.12	1.02	1.02	28	OR1	-0.40	0.17	0.93	0.71
10	PR2	0.18	0.12	0.82	0.73	29	OR1	1.02	0.10	1.05	1.05
11	OR1	-0.87	0.21	1.20	1.58	30	OR1	0.46	0.14	0.85	0.68
12	OR1	-1.39	0.25	0.80	0.48	31	OR1	1.05	0.15	1.06	1.01
13	OR1	-1.58	0.26	0.94	0.57	32	OR1	0.51	0.16	0.94	0.82
14	OR1	-1.95	0.29	0.77	0.51	36	PR1	1.39	0.13	1.13	1.11
15	OR1	-0.49	0.20	0.85	0.72	37	PR1	0.94	0.13	0.99	0.96
19	PR1	1.61	0.15	1.10	1.30						

Note: OR1=1 Point Oral Response Item, PR1=1 Point Physical Response Items, PR2: 2 Point Physical Response Item.

Table A.36: IRT Statistics for Items in Reading on Stage II

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
15	MC	-0.85	0.01	1.01	1.02	27	MC	-0.20	0.02	0.92	0.88
16	MC	-0.86	0.01	0.89	0.80	28	MC	-0.48	0.02	0.89	0.84
17	MC	-0.93	0.02	0.96	0.95	29	MC	1.31	0.01	1.10	1.17
18	MC	-0.07	0.02	1.10	1.10	30	MC	0.30	0.01	0.97	0.97
19	MC	-1.09	0.02	1.00	1.00	31	MC	0.43	0.01	0.98	0.98
20	MC	-1.27	0.02	0.86	0.70	32	MC	-0.69	0.02	0.79	0.68
21	MC	-0.46	0.02	0.83	0.76	33	MC	0.43	0.02	1.00	1.00
22	MC	-0.28	0.02	0.90	0.86	34	MC	0.30	0.02	0.95	0.94
23	MC	0.36	0.02	1.00	1.01	50	SA1	1.51	0.02	1.12	1.20
24	MC	-0.50	0.02	0.93	0.86	51	SA1	2.91	0.03	1.10	1.48
25	MC	-0.02	0.02	0.81	0.77	52	SA3	0.49	0.01	1.20	1.23
26	MC	0.30	0.02	0.98	0.98						

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item.

Table A.37: IRT Statistics for Items in Writing on Stage II

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
35	MC	-1.11	0.01	0.88	0.75	43	MC	-0.04	0.02	0.87	0.85
36	MC	0.72	0.02	1.09	1.13	44	MC	1.12	0.01	1.22	1.32
37	MC	0.08	0.02	1.05	1.06	45	MC	-0.25	0.02	0.96	0.90
38	MC	-0.47	0.02	0.93	0.86	46	MC	0.53	0.02	1.02	1.02
39	MC	0.10	0.02	1.05	1.05	47	MC	0.55	0.01	1.03	1.04
40	MC	0.49	0.02	1.03	1.04	48	ER	-0.68	0.01	0.75	0.73
41	MC	-0.76	0.02	0.90	0.83	49	ER	-0.39	0.01	0.76	0.76
42	MC	-0.10	0.01	0.94	0.91						

Note: MC=Multiple-choice Item, ER=Extended Response Item.

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Table A.38: IRT Statistics for Items in Listening on Stage II

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-0.46	0.02	1.06	1.05	8	MC	-1.56	0.02	0.95	0.88
2	MC	-0.16	0.02	1.03	1.02	9	MC	-1.53	0.02	0.98	1.00
3	MC	0.69	0.02	1.01	1.02	10	MC	-2.25	0.02	0.92	0.74
4	MC	0.70	0.02	0.99	1.01	11	MC	-1.61	0.02	0.97	0.98
5	MC	0.52	0.01	1.04	1.05	12	MC	-0.06	0.02	1.11	1.14
6	MC	0.25	0.02	1.10	1.12	13	MC	-1.20	0.02	0.97	0.94
7	MC	-0.54	0.02	1.06	1.07	14	MC	0.69	0.01	0.95	0.95

Note: MC=Multiple-choice Item.

Table A.39: IRT Statistics for Items in Speaking on Stage II

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
53	SA4	2.23	0.01	1.47	1.87	57	SA4	0.65	0.01	1.32	1.34
54	SA4	0.94	0.01	1.01	1.25	58	SA4	1.01	0.01	1.19	1.19
55	SA4	0.86	0.01	1.17	1.50	59	SA4	0.91	0.01	1.22	1.24
56	SA4	0.80	0.01	1.36	1.54	60	SA4	-0.85	0.01	0.96	1.02

Note: SA4=4 Point Short Answer Item.

Table A.40: IRT Statistics for Items in Reading on Stage III

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
15	MC	-1.36	0.03	0.99	0.98	28	MC	1.13	0.03	1.09	1.21
16	MC	0.73	0.02	1.03	1.07	29	MC	0.58	0.02	1.03	1.07
17	MC	-0.59	0.02	1.04	1.05	30	MC	0.08	0.02	0.93	0.92
18	MC	0.26	0.02	0.94	0.95	31	MC	-0.19	0.02	0.91	0.89
19	MC	-1.05	0.03	0.89	0.81	32	MC	1.72	0.03	1.15	1.52
20	MC	0.28	0.02	1.04	1.07	33	MC	0.70	0.02	1.06	1.11
21	MC	-1.93	0.02	0.90	0.73	34	MC	0.47	0.02	1.00	1.02
22	MC	0.74	0.02	1.18	1.26	35	MC	0.23	0.02	0.88	0.87
23	MC	0.10	0.02	1.03	1.04	36	MC	0.55	0.02	0.98	1.01
24	MC	-0.17	0.02	0.88	0.85	37	MC	1.10	0.02	1.19	1.35
25	MC	-0.70	0.02	0.92	0.88	56	SA1	1.20	0.03	1.13	1.21
26	MC	0.22	0.02	0.95	0.95	57	SA1	0.29	0.02	0.90	0.88
27	MC	1.00	0.02	1.05	1.13	58	SA1	-1.11	0.03	0.89	0.83

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item.

Table A.41: IRT Statistics for Items in Writing on Stage III

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
38	MC	-1.83	0.03	0.92	0.82	47	MC	0.10	0.02	1.01	1.02
39	MC	0.25	0.02	1.06	1.08	48	MC	-0.23	0.02	0.90	0.88
40	MC	0.55	0.02	1.12	1.18	49	MC	0.32	0.02	0.96	0.96
41	MC	-0.14	0.02	0.93	0.91	50	MC	-1.18	0.03	0.84	0.74
42	MC	0.31	0.02	1.02	1.04	51	MC	-0.69	0.02	0.91	0.89
43	MC	0.09	0.02	0.96	0.96	52	MC	0.66	0.02	1.04	1.08
44	MC	-0.59	0.02	0.87	0.84	53	MC	-0.38	0.02	0.90	0.88
45	MC	-0.19	0.02	1.08	1.09	54	ER	0.26	0.01	0.76	0.75
46	MC	0.61	0.02	1.03	1.05	55	ER	0.26	0.01	0.76	0.77

Note: MC=Multiple-choice Item, ER=Extended Response Item.

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Table A.42: IRT Statistics for Items in Listening on Stage III

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	1.13	0.03	1.11	1.19	8	MC	-0.12	0.02	1.03	1.05
2	MC	-0.67	0.02	1.02	1.04	9	MC	-0.29	0.02	1.07	1.09
3	MC	-0.37	0.02	1.02	1.02	10	MC	0.01	0.02	0.96	0.95
4	MC	-1.94	0.03	0.93	0.89	11	MC	-0.17	0.02	1.07	1.08
5	MC	-1.17	0.03	1.06	1.15	12	MC	-0.43	0.02	1.01	1.00
6	MC	1.11	0.02	1.09	1.21	13	MC	-0.12	0.02	1.06	1.07
7	MC	-1.37	0.03	0.88	0.76	14	MC	0.51	0.02	1.18	1.24

Note: MC=Multiple-choice Item.

Table A.43: IRT Statistics for Items in Speaking on Stage III

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
59	SA4	-0.50	0.02	0.97	1.05	63	SA4	0.73	0.01	1.12	1.58
60	SA4	-0.24	0.02	1.05	1.15	64	SA4	0.54	0.01	1.16	1.42
61	SA4	0.34	0.02	0.95	0.99	65	SA4	0.89	0.01	1.11	1.30
62	SA4	0.51	0.01	1.01	1.23	66	SA4	-0.85	0.02	0.88	0.90

Note: SA4=4 Point Short Answer Item.

Table A.44: IRT Statistics for Items in Reading on Stage IV

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
15	MC	-1.88	0.05	0.95	0.87	29	MC	0.89	0.04	1.09	1.18
16	MC	-0.39	0.03	1.01	1.02	30	MC	1.27	0.05	1.16	1.39
17	MC	-1.48	0.04	0.87	0.78	31	MC	0.18	0.04	0.98	0.98
18	MC	-1.81	0.05	0.86	0.71	32	MC	0.32	0.04	1.01	1.03
19	MC	-2.12	0.04	0.85	0.65	33	MC	0.73	0.04	1.06	1.11
20	MC	0.08	0.04	0.92	0.91	34	MC	0.42	0.04	0.97	0.99
21	MC	0.04	0.04	0.98	0.97	35	MC	0.56	0.04	1.06	1.10
22	MC	-0.35	0.04	1.03	1.03	36	MC	0.73	0.04	0.99	1.03
23	MC	0.22	0.04	0.98	0.98	37	MC	0.18	0.03	0.97	0.96
24	MC	-0.15	0.04	0.99	0.98	38	MC	1.44	0.03	1.18	1.44
25	MC	0.53	0.04	0.99	1.03	39	MC	0.55	0.03	1.08	1.14
26	MC	1.32	0.05	0.99	1.05	40	MC	0.81	0.03	1.08	1.16
27	MC	1.05	0.04	1.07	1.17	61	SA1	0.00	0.04	1.06	1.09
28	MC	0.26	0.04	0.95	0.95	62	SA1	-1.35	0.04	0.92	0.87

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item.

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Table A.45: IRT Statistics for Items in Writing on Stage IV

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
41	MC	-1.14	0.04	1.00	0.96	51	MC	-0.85	0.04	0.88	0.84
42	MC	0.60	0.03	1.11	1.18	52	MC	-0.16	0.03	0.95	0.95
43	MC	-0.25	0.04	0.99	0.99	53	MC	1.22	0.03	1.10	1.33
44	MC	0.10	0.04	0.98	0.98	54	MC	-0.26	0.04	0.94	0.93
45	MC	0.08	0.04	1.00	1.01	55	MC	1.39	0.05	1.06	1.21
46	MC	0.10	0.04	0.98	0.98	56	MC	-0.59	0.03	0.94	0.94
47	MC	0.21	0.04	0.95	0.96	57	MC	0.18	0.04	0.93	0.92
48	MC	0.43	0.04	0.98	0.99	58	MC	0.94	0.04	1.09	1.19
49	MC	0.38	0.04	1.00	1.03	59	ER	0.83	0.02	0.77	0.78
50	MC	0.79	0.04	1.05	1.09	60	ER	0.80	0.02	0.84	0.88

Note: MC=Multiple-choice Item, ER=Extended Response Item.

Table A.46: IRT Statistics for Items in Listening on Stage IV

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-1.03	0.04	0.99	1.00	8	MC	-0.04	0.04	1.03	1.03
2	MC	-0.92	0.03	0.96	0.94	9	MC	-1.12	0.04	0.94	0.97
3	MC	-1.53	0.05	0.98	0.96	10	MC	-0.43	0.04	1.00	1.00
4	MC	0.23	0.04	1.05	1.07	11	MC	-0.61	0.04	0.97	0.95
5	MC	0.26	0.04	1.10	1.14	12	MC	-0.37	0.03	1.02	1.02
6	MC	-1.37	0.03	0.96	1.00	13	MC	0.04	0.04	1.04	1.06
7	MC	-0.06	0.04	1.06	1.07	14	MC	0.83	0.04	1.09	1.19

Note: MC=Multiple-choice Item.

Table A.47: IRT Statistics for Items in Speaking on Stage IV

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
63	SA4	-0.07	0.03	0.87	0.89	67	SA4	0.82	0.01	1.04	1.34
64	SA4	0.91	0.02	1.00	1.09	68	SA4	0.53	0.02	1.00	1.11
65	SA4	1.06	0.02	1.03	1.08	69	SA4	1.07	0.02	0.98	1.19
66	SA4	0.41	0.02	0.92	0.94	70	SA4	-0.25	0.03	0.78	0.73

Note: SA4=4 Point Short Answer Item.

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Table A.48: IRT Statistics for Items in Reading on Stage V

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
15	MC	-0.61	0.03	1.12	1.20	29	MC	0.40	0.04	0.98	0.99
16	MC	-1.82	0.06	0.87	0.70	30	MC	-0.82	0.05	0.93	0.88
17	MC	0.73	0.04	1.04	1.07	31	MC	-1.40	0.05	0.86	0.71
18	MC	-1.20	0.05	0.89	0.79	32	MC	0.68	0.04	1.06	1.11
19	MC	-0.67	0.03	0.94	0.94	33	MC	-0.26	0.04	1.04	1.03
20	MC	-1.91	0.06	0.84	0.67	34	MC	0.15	0.04	1.14	1.18
21	MC	-0.05	0.03	1.01	1.01	35	MC	0.33	0.04	0.99	1.01
22	MC	0.27	0.03	1.02	1.02	36	MC	0.15	0.04	1.13	1.15
23	MC	-1.12	0.03	0.86	0.79	37	MC	0.52	0.04	1.14	1.20
24	MC	0.66	0.03	1.03	1.07	38	MC	-0.15	0.04	0.99	0.96
25	MC	0.30	0.04	1.00	1.00	39	MC	0.35	0.04	0.98	0.99
26	MC	-0.75	0.05	0.93	0.86	40	MC	0.69	0.04	1.05	1.09
27	MC	-0.24	0.04	0.98	0.96	41	MC	1.05	0.05	1.10	1.17
28	MC	0.54	0.04	0.97	0.98	42	MC	0.16	0.04	0.97	0.98

Note: MC=Multiple-choice Item.

Table A.49: IRT Statistics for Items in Writing on Stage V

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
43	MC	-2.12	0.06	0.98	0.88	53	MC	-0.74	0.05	0.88	0.81
44	MC	0.54	0.04	1.09	1.12	54	MC	1.69	0.05	1.19	1.46
45	MC	-0.85	0.05	0.93	0.85	55	MC	0.24	0.04	1.01	1.02
46	MC	1.27	0.05	1.08	1.18	56	MC	-0.27	0.04	0.95	0.92
47	MC	1.75	0.04	1.10	1.37	57	MC	1.33	0.03	1.00	1.13
48	MC	-0.86	0.05	0.91	0.85	58	MC	-0.35	0.04	1.01	1.03
49	MC	0.09	0.04	0.92	0.90	59	MC	-0.48	0.03	0.88	0.84
50	MC	1.58	0.05	1.14	1.41	60	MC	-0.02	0.04	0.92	0.91
51	MC	0.33	0.04	1.01	1.02	61	ER	0.58	0.02	0.77	0.80
52	MC	-0.26	0.03	0.94	0.93	62	ER	0.61	0.03	0.78	0.83

Note: MC=Multiple-choice Item, ER=Extended Response Item.

Table A.50: IRT Statistics for Items in Listening on Stage V

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-0.81	0.05	0.94	0.92	8	MC	-0.54	0.05	0.94	0.95
2	MC	-0.98	0.03	0.94	0.89	9	MC	-0.11	0.04	1.04	1.05
3	MC	-0.32	0.04	0.97	0.98	10	MC	-0.06	0.04	1.06	1.07
4	MC	0.08	0.03	1.08	1.09	11	MC	0.72	0.04	1.14	1.22
5	MC	-0.06	0.04	1.02	1.02	12	MC	0.80	0.05	1.09	1.14
6	MC	-0.11	0.04	0.97	0.95	13	MC	0.66	0.03	0.98	1.00
7	MC	-0.53	0.05	1.00	1.01	14	MC	-0.04	0.04	0.97	0.96

Note: MC=Multiple-choice Item.

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Table A.51: IRT Statistics for Items in Speaking on Stage V

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
63	SA4	-0.13	0.03	0.99	1.07	67	SA4	0.24	0.03	0.91	0.99
64	SA4	0.44	0.02	1.07	1.22	68	SA4	1.77	0.01	1.25	1.61
65	SA4	0.39	0.03	0.94	1.05	69	SA4	1.35	0.03	1.00	1.30
66	SA4	1.03	0.02	1.07	1.36	70	SA4	-0.66	0.03	0.86	0.90

Note: SA4=4 Point Short Answer Item.

A.3 Total Score Frequency Distribution

This section, which corresponds to Chapter 9, presents raw score and scale score distributions for Total Combined score that are presented in Table A.52 through Table A.64. Results presented below are based on population data contained within the final electronic data files during the School Year of 2012-2013 for the Kindergarten Placement Test and for spring 2013 for the Stages II through V tests. The results presented in this part of the technical report may differ slightly from final testing results presented on the Arizona Department of Education website due to slight differences in the application of exclusion rules. Official final results typically use more detailed school-level information than is used to conduct research analyses. The results in the following tables are presented as evidence of reliability and validity of the AZELLA assessments and should not be used for state accountability purposes. For the Kindergarten Placement Test, the lowest scale scores for the Basic/Intermediate and Proficient level are in bold. Similarly, for the Stages II through V assessments, the lowest scale scores for the Basic, Intermediate, and Proficient level are in bold. Note that the scale scores in bold may not be exact proficiency level cuts. For the exact proficiency level cuts for the Kindergarten Placement Test and Stages I through V assessments, please refer to Table 11.1 and Table 11.2, respectively.

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Table A.52: Kindergarten Placement Test Frequency Distribution

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	100	468	1.95	468	1.95
1	117	374	1.56	842	3.51
2	132	187	0.78	1029	4.29
3	142	173	0.72	1202	5.02
4	149	204	0.85	1406	5.87
5	155	191	0.80	1597	6.66
6	160	205	0.86	1802	7.52
7	164	202	0.84	2004	8.36
8	168	190	0.79	2194	9.15
9	172	199	0.83	2393	9.98
10	175	208	0.87	2601	10.85
11	178	203	0.85	2804	11.70
12	182	206	0.86	3010	12.56
13	184	253	1.06	3263	13.62
14	187	216	0.90	3479	14.52
15	190	260	1.08	3739	15.60
16	193	275	1.15	4014	16.75
17	195	275	1.15	4289	17.90
18	198	261	1.09	4550	18.99
19	200	276	1.15	4826	20.14
20	203	303	1.26	5129	21.40
21	206	357	1.49	5486	22.89
22	**208**	**366**	**1.53**	**5852**	**24.42**
23	210	430	1.79	6282	26.21
24	213	452	1.89	6734	28.10
25	216	465	1.94	7199	30.04
26	218	486	2.03	7685	32.07
27	221	523	2.18	8208	34.25
28	223	574	2.40	8782	36.64
29	226	655	2.73	9437	39.38
30	229	727	3.03	10164	42.41
31	232	712	2.97	10876	45.38
32	**235**	**897**	**3.74**	**11773**	**49.12**
33	238	974	4.06	12747	53.19
34	242	1053	4.39	13800	57.58
35	245	1216	5.07	15016	62.66
36	250	1302	5.43	16318	68.09
37	254	1473	6.15	17791	74.23
38	260	1548	6.46	19339	80.69
39	267	1532	6.39	20871	87.09
40	277	1415	5.90	22286	92.99
41	292	1063	4.44	23349	97.43
42	300	617	2.57	23966	100.00

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Table A.53: AZELLA Stage II Placement Form Frequency Distribution at Grade 1

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2315	78	0.72	903	8.38
1	2031	0	0.00	0	0.00	51	2318	94	0.87	997	9.25
2	2076	0	0.00	0	0.00	52	2320	111	1.03	1108	10.28
3	2103	1	0.01	1	0.01	53	2322	105	0.97	1213	11.25
4	2122	0	0.00	1	0.01	54	2324	102	0.95	1315	12.20
5	2137	0	0.00	1	0.01	55	2326	112	1.04	1427	13.24
6	2150	0	0.00	1	0.01	56	2328	144	1.34	1571	14.58
7	2160	0	0.00	1	0.01	57	2330	123	1.14	1694	15.72
8	2170	0	0.00	1	0.01	58	2332	122	1.13	1816	16.85
9	2178	0	0.00	1	0.01	59	2335	137	1.27	1953	18.12
10	2185	0	0.00	1	0.01	60	2337	125	1.16	2078	19.28
11	2192	0	0.00	1	0.01	**61**	**2339**	**132**	**1.22**	**2210**	**20.50**
12	2199	1	0.01	2	0.02	62	2341	158	1.47	2368	21.97
13	2204	0	0.00	2	0.02	63	2343	177	1.64	2545	23.61
14	2210	0	0.00	2	0.02	64	2345	174	1.61	2719	25.23
15	2215	1	0.01	3	0.03	65	2347	169	1.57	2888	26.80
16	2220	0	0.00	3	0.03	66	2349	157	1.46	3045	28.25
17	2224	0	0.00	3	0.03	67	2351	161	1.49	3206	29.75
18	2228	3	0.03	6	0.06	68	2353	177	1.64	3383	31.39
19	2233	1	0.01	7	0.06	69	2356	149	1.38	3532	32.77
20	2236	0	0.00	7	0.06	70	2358	148	1.37	3680	34.14
21	2240	0	0.00	7	0.06	71	2360	159	1.48	3839	35.62
22	2244	5	0.05	12	0.11	72	2362	174	1.61	4013	37.23
23	2247	5	0.05	17	0.16	73	2364	207	1.92	4220	39.15
24	2250	6	0.06	23	0.21	74	2366	160	1.48	4380	40.64
25	2254	3	0.03	26	0.24	75	2368	185	1.72	4565	42.35
26	2257	12	0.11	38	0.35	76	2370	169	1.57	4734	43.92
27	2260	4	0.04	42	0.39	77	2373	159	1.48	4893	45.40
28	2263	9	0.08	51	0.47	78	2375	183	1.70	5076	47.10
29	2266	8	0.07	59	0.55	79	2377	182	1.69	5258	48.78
30	2268	13	0.12	72	0.67	80	2379	179	1.66	5437	50.45
31	2271	9	0.08	81	0.75	81	2381	168	1.56	5605	52.00
32	2274	13	0.12	94	0.87	82	2383	176	1.63	5781	53.64
33	2276	17	0.16	111	1.03	**83**	**2386**	**143**	**1.33**	**5924**	**54.96**
34	2279	17	0.16	128	1.19	84	2388	171	1.59	6095	56.55
35	2281	11	0.10	139	1.29	85	2390	168	1.56	6263	58.11
36	2284	30	0.28	169	1.57	86	2392	161	1.49	6424	59.60
37	2286	14	0.13	183	1.70	87	2394	149	1.38	6573	60.99
38	2289	20	0.19	203	1.88	88	2397	165	1.53	6738	62.52
39	2291	26	0.24	229	2.12	89	2399	139	1.29	6877	63.81
40	2293	31	0.29	260	2.41	90	2401	144	1.34	7021	65.14
41	**2296**	**39**	**0.36**	**299**	**2.77**	91	2404	141	1.31	7162	66.45
42	2298	44	0.41	343	3.18	92	2406	164	1.52	7326	67.97
43	2300	51	0.47	394	3.66	93	2408	146	1.35	7472	69.33
44	2302	57	0.53	451	4.18	94	2411	144	1.34	7616	70.66
45	2305	63	0.58	514	4.77	95	2413	135	1.25	7751	71.92
46	2307	62	0.58	576	5.34	96	2415	149	1.38	7900	73.30
47	2309	78	0.72	654	6.07	97	2418	150	1.39	8050	74.69
48	2311	92	0.85	746	6.92	98	2420	114	1.06	8164	75.75
49	2313	79	0.73	825	7.65	99	2423	121	1.12	8285	76.87

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Table A.53: AZELLA Stage II Placement Form Frequency Distribution at Grade 1

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2425	137	1.27	8422	78.14						
101	2428	131	1.22	8553	79.36						
102	2430	129	1.20	8682	80.55						
103	2433	128	1.19	8810	81.74						
104	2436	121	1.12	8931	82.86						
105	2438	123	1.14	9054	84.00						
106	2441	106	0.98	9160	84.99						
107	2444	112	1.04	9272	86.03						
108	2446	97	0.90	9369	86.93						
109	2449	104	0.96	9473	87.89						
110	2452	112	1.04	9585	88.93						
111	2455	94	0.87	9679	89.80						
112	2458	110	1.02	9789	90.82						
113	2461	73	0.68	9862	91.50						
114	2464	77	0.71	9939	92.22						
115	2468	85	0.79	10024	93.00						
116	2471	70	0.65	10094	93.65						
117	2474	79	0.73	10173	94.39						
118	2478	68	0.63	10241	95.02						
119	2481	65	0.60	10306	95.62						
120	2485	63	0.58	10369	96.21						
121	2489	68	0.63	10437	96.84						
122	2493	46	0.43	10483	97.26						
123	2497	51	0.47	10534	97.74						
124	2501	45	0.42	10579	98.15						
125	2505	38	0.35	10617	98.51						
126	2510	35	0.32	10652	98.83						
127	2515	25	0.23	10677	99.06						
128	2520	26	0.24	10703	99.30						
129	2525	16	0.15	10719	99.45						
130	2531	15	0.14	10734	99.59						
131	2537	11	0.10	10745	99.69						
132	2543	15	0.14	10760	99.83						
133	2550	6	0.06	10766	99.89						
134	2557	3	0.03	10769	99.92						
135	2564	3	0.03	10772	99.94						
136	2573	3	0.03	10775	99.97						
137	2582	2	0.02	10777	99.99						
138	2592	0	0.00	10777	99.99						
139	2603	1	0.01	10778	100.00						
140	2616	0	0.00	10778	100.00						
141	2630	0	0.00	10778	100.00						
142	2648	0	0.00	10778	100.00						
143	2669	0	0.00	10778	100.00						
144	2695	0	0.00	10778	100.00						
145	2730	0	0.00	10778	100.00						
146	2777	0	0.00	10778	100.00						
147	2847	0	0.00	10778	100.00						
148	3000	0	0.00	10778	100.00						

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Table A.54: AZELLA Stage II Placement Form Frequency Distribution at Grade 2

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2315	17	0.17	194	1.89
1	2031	0	0.00	0	0.00	51	2318	19	0.18	213	2.07
2	2076	0	0.00	0	0.00	52	2320	29	0.28	242	2.35
3	2103	0	0.00	0	0.00	53	2322	18	0.17	260	2.53
4	2122	0	0.00	0	0.00	54	2324	15	0.15	275	2.67
5	2137	0	0.00	0	0.00	55	2326	23	0.22	298	2.90
6	2150	0	0.00	0	0.00	56	2328	24	0.23	322	3.13
7	2160	0	0.00	0	0.00	57	2330	18	0.17	340	3.31
8	2170	1	0.01	1	0.01	58	2332	29	0.28	369	3.59
9	2178	0	0.00	1	0.01	59	2335	22	0.21	391	3.80
10	2185	0	0.00	1	0.01	60	2337	17	0.17	408	3.97
11	2192	0	0.00	1	0.01	**61**	**2339**	**33**	**0.32**	**441**	**4.29**
12	2199	0	0.00	1	0.01	62	2341	40	0.39	481	4.68
13	2204	0	0.00	1	0.01	63	2343	34	0.33	515	5.01
14	2210	1	0.01	2	0.02	64	2345	40	0.39	555	5.40
15	2215	1	0.01	3	0.03	65	2347	42	0.41	597	5.80
16	2220	1	0.01	4	0.04	66	2349	41	0.40	638	6.20
17	2224	1	0.01	5	0.05	67	2351	43	0.42	681	6.62
18	2228	1	0.01	6	0.06	68	2353	40	0.39	721	7.01
19	2233	1	0.01	7	0.07	69	2356	47	0.46	768	7.47
20	2236	2	0.02	9	0.09	70	2358	33	0.32	801	7.79
21	2240	1	0.01	10	0.10	71	2360	44	0.43	845	8.22
22	2244	1	0.01	11	0.11	72	2362	57	0.55	902	8.77
23	2247	1	0.01	12	0.12	73	2364	67	0.65	969	9.42
24	2250	1	0.01	13	0.13	74	2366	57	0.55	1026	9.97
25	2254	2	0.02	15	0.15	75	2368	58	0.56	1084	10.54
26	2257	0	0.00	15	0.15	76	2370	64	0.62	1148	11.16
27	2260	4	0.04	19	0.18	77	2373	62	0.60	1210	11.76
28	2263	4	0.04	23	0.22	78	2375	70	0.68	1280	12.44
29	2266	4	0.04	27	0.26	79	2377	58	0.56	1338	13.01
30	2268	6	0.06	33	0.32	80	2379	81	0.79	1419	13.80
31	2271	3	0.03	36	0.35	81	2381	70	0.68	1489	14.48
32	2274	3	0.03	39	0.38	**82**	**2383**	**78**	**0.76**	**1567**	**15.23**
33	2276	5	0.05	44	0.43	83	2386	81	0.79	1648	16.02
34	2279	4	0.04	48	0.47	84	2388	77	0.75	1725	16.77
35	2281	10	0.10	58	0.56	85	2390	79	0.77	1804	17.54
36	2284	8	0.08	66	0.64	86	2392	91	0.88	1895	18.42
37	2286	5	0.05	71	0.69	87	2394	91	0.88	1986	19.31
38	2289	6	0.06	77	0.75	88	2397	107	1.04	2093	20.35
39	2291	8	0.08	85	0.83	89	2399	94	0.91	2187	21.26
40	2293	5	0.05	90	0.87	90	2401	91	0.88	2278	22.15
41	2296	5	0.05	95	0.92	91	2404	103	1.00	2381	23.15
42	2298	8	0.08	103	1.00	92	2406	122	1.19	2503	24.33
43	2300	7	0.07	110	1.07	93	2408	114	1.11	2617	25.44
44	2302	7	0.07	117	1.14	94	2411	116	1.13	2733	26.57
45	2305	13	0.13	130	1.26	95	2413	124	1.21	2857	27.78
46	2307	8	0.08	138	1.34	96	2415	97	0.94	2954	28.72
47	2309	14	0.14	152	1.48	97	2418	130	1.26	3084	29.98
48	2311	11	0.11	163	1.58	98	2420	170	1.65	3254	31.64
49	2313	14	0.14	177	1.72	99	2423	151	1.47	3405	33.10

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Table A.54: AZELLA Stage II Placement Form Frequency Distribution at Grade 2

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2425	149	1.45	3554	34.55						
101	**2428**	**153**	**1.49**	**3707**	**36.04**						
102	2430	175	1.70	3882	37.74						
103	2433	163	1.58	4045	39.33						
104	2436	190	1.85	4235	41.17						
105	2438	173	1.68	4408	42.85						
106	2441	198	1.92	4606	44.78						
107	2444	184	1.79	4790	46.57						
108	2446	207	2.01	4997	48.58						
109	2449	228	2.22	5225	50.80						
110	2452	235	2.28	5460	53.08						
111	2455	245	2.38	5705	55.46						
112	2458	213	2.07	5918	57.53						
113	2461	197	1.92	6115	59.45						
114	2464	227	2.21	6342	61.66						
115	2468	238	2.31	6580	63.97						
116	2471	230	2.24	6810	66.21						
117	2474	239	2.32	7049	68.53						
118	2478	247	2.40	7296	70.93						
119	2481	256	2.49	7552	73.42						
120	2485	241	2.34	7793	75.76						
121	2489	240	2.33	8033	78.10						
122	2493	217	2.11	8250	80.21						
123	2497	207	2.01	8457	82.22						
124	2501	203	1.97	8660	84.19						
125	2505	218	2.12	8878	86.31						
126	2510	190	1.85	9068	88.16						
127	2515	174	1.69	9242	89.85						
128	2520	163	1.58	9405	91.43						
129	2525	179	1.74	9584	93.18						
130	2531	168	1.63	9752	94.81						
131	2537	124	1.21	9876	96.01						
132	2543	111	1.08	9987	97.09						
133	2550	104	1.01	10091	98.10						
134	2557	56	0.54	10147	98.65						
135	2564	63	0.61	10210	99.26						
136	2573	33	0.32	10243	99.58						
137	2582	25	0.24	10268	99.83						
138	2592	7	0.07	10275	99.89						
139	2603	6	0.06	10281	99.95						
140	2616	3	0.03	10284	99.98						
141	2630	0	0.00	10284	99.98						
142	2648	0	0.00	10284	99.98						
143	2669	1	0.01	10285	99.99						
144	2695	1	0.01	10286	100.00						
145	2730	0	0.00	10286	100.00						
146	2777	0	0.00	10286	100.00						
147	2847	0	0.00	10286	100.00						
148	3000	0	0.00	10286	100.00						

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Table A.55: AZELLA Stage III Placement Form Frequency Distribution at Grade 3

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2349	12	0.14	228	2.75
1	2092	0	0.00	0	0.00	51	2351	16	0.19	244	2.94
2	2136	0	0.00	0	0.00	52	2353	25	0.30	269	3.24
3	2162	0	0.00	0	0.00	53	2355	28	0.34	297	3.58
4	2180	0	0.00	0	0.00	54	2357	28	0.34	325	3.91
5	2194	1	0.01	1	0.01	55	2359	30	0.36	355	4.28
6	2205	0	0.00	1	0.01	56	2361	23	0.28	378	4.55
7	2215	0	0.00	1	0.01	57	2363	37	0.45	415	5.00
8	2223	0	0.00	1	0.01	58	2365	24	0.29	439	5.29
9	2231	1	0.01	2	0.02	59	2366	51	0.61	490	5.90
10	2237	0	0.00	2	0.02	60	2368	35	0.42	525	6.32
11	2243	1	0.01	3	0.04	**61**	**2370**	**32**	**0.39**	**557**	**6.71**
12	2249	0	0.00	3	0.04	62	2372	53	0.64	610	7.35
13	2253	0	0.00	3	0.04	63	2374	44	0.53	654	7.88
14	2258	2	0.02	5	0.06	64	2376	53	0.64	707	8.52
15	2262	1	0.01	6	0.07	65	2378	61	0.73	768	9.25
16	2266	1	0.01	7	0.08	66	2380	75	0.90	843	10.15
17	2270	0	0.00	7	0.08	67	2382	65	0.78	908	10.94
18	2274	0	0.00	7	0.08	68	2384	59	0.71	967	11.65
19	2277	0	0.00	7	0.08	69	2386	54	0.65	1021	12.30
20	2280	0	0.00	7	0.08	70	2388	70	0.84	1091	13.14
21	2283	0	0.00	7	0.08	71	2390	50	0.60	1141	13.74
22	2286	0	0.00	7	0.08	72	2392	74	0.89	1215	14.64
23	2289	2	0.02	9	0.11	73	2394	84	1.01	1299	15.65
24	2292	2	0.02	11	0.13	74	2396	65	0.78	1364	16.43
25	2295	1	0.01	12	0.14	75	2398	80	0.96	1444	17.39
26	2297	1	0.01	13	0.16	76	2401	79	0.95	1523	18.34
27	2300	2	0.02	15	0.18	77	2403	88	1.06	1611	19.40
28	2303	2	0.02	17	0.20	78	2405	79	0.95	1690	20.36
29	2305	2	0.02	19	0.23	79	2407	89	1.07	1779	21.43
30	2307	8	0.10	27	0.33	80	2409	98	1.18	1877	22.61
31	2310	1	0.01	28	0.34	81	2411	110	1.32	1987	23.93
32	2312	6	0.07	34	0.41	82	2413	123	1.48	2110	25.42
33	2314	7	0.08	41	0.49	**83**	**2415**	**97**	**1.17**	**2207**	**26.58**
34	2316	8	0.10	49	0.59	84	2417	111	1.34	2318	27.92
35	2319	8	0.10	57	0.69	85	2419	120	1.45	2438	29.37
36	2321	9	0.11	66	0.79	86	2422	101	1.22	2539	30.58
37	2323	11	0.13	77	0.93	87	2424	117	1.41	2656	31.99
38	2325	5	0.06	82	0.99	88	2426	111	1.34	2767	33.33
39	2327	6	0.07	88	1.06	89	2428	134	1.61	2901	34.94
40	2329	11	0.13	99	1.19	90	2430	131	1.58	3032	36.52
41	2331	10	0.12	109	1.31	91	2432	135	1.63	3167	38.15
42	2333	16	0.19	125	1.51	92	2435	128	1.54	3295	39.69
43	2335	11	0.13	136	1.64	93	2437	152	1.83	3447	41.52
44	2337	19	0.23	155	1.87	94	2439	117	1.41	3564	42.93
45	2339	9	0.11	164	1.98	95	2441	129	1.55	3693	44.48
46	2341	14	0.17	178	2.14	96	2443	117	1.41	3810	45.89
47	2343	14	0.17	192	2.31	97	2446	127	1.53	3937	47.42
48	2345	9	0.11	201	2.42	98	2448	137	1.65	4074	49.07
49	2347	15	0.18	216	2.60	99	2450	127	1.53	4201	50.60

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Table A.55: AZELLA Stage III Placement Form Frequency Distribution at Grade 3

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2453	148	1.78	4349	52.38	150	2635	6	0.07	8301	99.99
101	2455	141	1.70	4490	54.08	151	2644	1	0.01	8302	100.00
102	**2457**	**149**	**1.79**	**4639**	**55.88**	152	2653	0	0.00	8302	100.00
103	2460	128	1.54	4767	57.42	153	2663	0	0.00	8302	100.00
104	2462	174	2.10	4941	59.52	154	2674	0	0.00	8302	100.00
105	2464	135	1.63	5076	61.14	155	2686	0	0.00	8302	100.00
106	2467	148	1.78	5224	62.92	156	2699	0	0.00	8302	100.00
107	2469	139	1.67	5363	64.60	157	2715	0	0.00	8302	100.00
108	2472	125	1.51	5488	66.10	158	2732	0	0.00	8302	100.00
109	2474	151	1.82	5639	67.92	159	2752	0	0.00	8302	100.00
110	2476	132	1.59	5771	69.51	160	2776	0	0.00	8302	100.00
111	2479	111	1.34	5882	70.85	161	2805	0	0.00	8302	100.00
112	2482	135	1.63	6017	72.48	162	2842	0	0.00	8302	100.00
113	2484	128	1.54	6145	74.02	163	2898	0	0.00	8302	100.00
114	2487	120	1.45	6265	75.46	164	3000	0	0.00	8302	100.00
115	2489	138	1.66	6403	77.13						
116	2492	138	1.66	6541	78.79						
117	2495	112	1.35	6653	80.14						
118	2497	115	1.39	6768	81.52						
119	2500	105	1.26	6873	82.79						
120	2503	113	1.36	6986	84.15						
121	2506	96	1.16	7082	85.30						
122	2509	101	1.22	7183	86.52						
123	2512	108	1.30	7291	87.82						
124	2515	97	1.17	7388	88.99						
125	2518	80	0.96	7468	89.95						
126	2521	86	1.04	7554	90.99						
127	2524	77	0.93	7631	91.92						
128	2528	69	0.83	7700	92.75						
129	2531	71	0.86	7771	93.60						
130	2534	49	0.59	7820	94.19						
131	2538	54	0.65	7874	94.84						
132	2541	50	0.60	7924	95.45						
133	2545	42	0.51	7966	95.95						
134	2549	53	0.64	8019	96.59						
135	2553	54	0.65	8073	97.24						
136	2557	36	0.43	8109	97.68						
137	2561	42	0.51	8151	98.18						
138	2565	26	0.31	8177	98.49						
139	2570	29	0.35	8206	98.84						
140	2575	18	0.22	8224	99.06						
141	2579	13	0.16	8237	99.22						
142	2584	15	0.18	8252	99.40						
143	2590	6	0.07	8258	99.47						
144	2595	9	0.11	8267	99.58						
145	2601	10	0.12	8277	99.70						
146	2607	3	0.04	8280	99.74						
147	2614	6	0.07	8286	99.81						
148	2620	5	0.06	8291	99.87						
149	2628	4	0.05	8295	99.92						

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Table A.56: AZELLA Stage III Placement Form Frequency Distribution at Grade 4

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2349	8	0.12	131	2.01
1	2092	0	0.00	0	0.00	51	2351	11	0.17	142	2.18
2	2136	0	0.00	0	0.00	52	2353	12	0.18	154	2.36
3	2162	0	0.00	0	0.00	53	2355	7	0.11	161	2.47
4	2180	0	0.00	0	0.00	54	2357	16	0.25	177	2.71
5	2194	0	0.00	0	0.00	55	2359	16	0.25	193	2.96
6	2205	2	0.03	2	0.03	56	2361	12	0.18	205	3.14
7	2215	0	0.00	2	0.03	57	2363	10	0.15	215	3.30
8	2223	1	0.02	3	0.05	58	2365	17	0.26	232	3.56
9	2231	0	0.00	3	0.05	59	2366	14	0.21	246	3.77
10	2237	0	0.00	3	0.05	60	2368	15	0.23	261	4.00
11	2243	0	0.00	3	0.05	61	2370	16	0.25	277	4.25
12	2249	0	0.00	3	0.05	62	2372	16	0.25	293	4.49
13	2253	1	0.02	4	0.06	63	2374	22	0.34	315	4.83
14	2258	0	0.00	4	0.06	64	2376	22	0.34	337	5.17
15	2262	1	0.02	5	0.08	65	2378	21	0.32	358	5.49
16	2266	1	0.02	6	0.09	66	2380	25	0.38	383	5.87
17	2270	1	0.02	7	0.11	67	2382	29	0.44	412	6.32
18	2274	0	0.00	7	0.11	68	2384	30	0.46	442	6.78
19	2277	0	0.00	7	0.11	69	2386	26	0.40	468	7.18
20	2280	2	0.03	9	0.14	70	2388	31	0.48	499	7.65
21	2283	2	0.03	11	0.17	71	2390	29	0.44	528	8.10
22	2286	1	0.02	12	0.18	**72**	**2392**	**31**	**0.48**	**559**	**8.57**
23	2289	0	0.00	12	0.18	73	2394	36	0.55	595	9.12
24	2292	0	0.00	12	0.18	74	2396	34	0.52	629	9.65
25	2295	0	0.00	12	0.18	75	2398	28	0.43	657	10.08
26	2297	1	0.02	13	0.20	76	2401	39	0.60	696	10.67
27	2300	1	0.02	14	0.21	77	2403	51	0.78	747	11.46
28	2303	4	0.06	18	0.28	78	2405	44	0.67	791	12.13
29	2305	3	0.05	21	0.32	79	2407	37	0.57	828	12.70
30	2307	0	0.00	21	0.32	80	2409	34	0.52	862	13.22
31	2310	2	0.03	23	0.35	81	2411	48	0.74	910	13.95
32	2312	4	0.06	27	0.41	82	2413	50	0.77	960	14.72
33	2314	1	0.02	28	0.43	83	2415	55	0.84	1015	15.57
34	2316	5	0.08	33	0.51	84	2417	51	0.78	1066	16.35
35	2319	3	0.05	36	0.55	85	2419	51	0.78	1117	17.13
36	2321	2	0.03	38	0.58	86	2422	65	1.00	1182	18.13
37	2323	3	0.05	41	0.63	87	2424	53	0.81	1235	18.94
38	2325	2	0.03	43	0.66	88	2426	45	0.69	1280	19.63
39	2327	3	0.05	46	0.71	89	2428	73	1.12	1353	20.75
40	2329	6	0.09	52	0.80	90	2430	59	0.90	1412	21.65
41	2331	4	0.06	56	0.86	91	2432	74	1.13	1486	22.79
42	2333	6	0.09	62	0.95	**92**	**2435**	**84**	**1.29**	**1570**	**24.08**
43	2335	5	0.08	67	1.03	93	2437	75	1.15	1645	25.23
44	2337	7	0.11	74	1.13	94	2439	75	1.15	1720	26.38
45	2339	10	0.15	84	1.29	95	2441	90	1.38	1810	27.76
46	2341	9	0.14	93	1.43	96	2443	76	1.17	1886	28.92
47	2343	4	0.06	97	1.49	97	2446	110	1.69	1996	30.61
48	2345	11	0.17	108	1.66	98	2448	99	1.52	2095	32.13
49	2347	15	0.23	123	1.89	99	2450	104	1.59	2199	33.72

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Table A.56: AZELLA Stage III Placement Form Frequency Distribution at Grade 4

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2453	116	1.78	2315	35.50	150	2635	1	0.02	6516	99.92
101	2455	127	1.95	2442	37.45	151	2644	2	0.03	6518	99.95
102	2457	106	1.63	2548	39.07	152	2653	1	0.02	6519	99.97
103	2460	95	1.46	2643	40.53	153	2663	1	0.02	6520	99.98
104	2462	123	1.89	2766	42.42	154	2674	0	0.00	6520	99.98
105	2464	108	1.66	2874	44.07	155	2686	1	0.02	6521	100.00
106	2467	136	2.09	3010	46.16	156	2699	0	0.00	6521	100.00
107	2469	128	1.96	3138	48.12	157	2715	0	0.00	6521	100.00
108	**2472**	**142**	**2.18**	**3280**	**50.30**	158	2732	0	0.00	6521	100.00
109	2474	116	1.78	3396	52.08	159	2752	0	0.00	6521	100.00
110	2476	136	2.09	3532	54.16	160	2776	0	0.00	6521	100.00
111	2479	122	1.87	3654	56.03	161	2805	0	0.00	6521	100.00
112	2482	124	1.90	3778	57.94	162	2842	0	0.00	6521	100.00
113	2484	152	2.33	3930	60.27	163	2898	0	0.00	6521	100.00
114	2487	163	2.50	4093	62.77	164	3000	0	0.00	6521	100.00
115	2489	125	1.92	4218	64.68						
116	2492	140	2.15	4358	66.83						
117	2495	118	1.81	4476	68.64						
118	2497	121	1.86	4597	70.50						
119	2500	118	1.81	4715	72.30						
120	2503	139	2.13	4854	74.44						
121	2506	111	1.70	4965	76.14						
122	2509	116	1.78	5081	77.92						
123	2512	113	1.73	5194	79.65						
124	2515	129	1.98	5323	81.63						
125	2518	112	1.72	5435	83.35						
126	2521	91	1.40	5526	84.74						
127	2524	101	1.55	5627	86.29						
128	2528	97	1.49	5724	87.78						
129	2531	97	1.49	5821	89.27						
130	2534	85	1.30	5906	90.57						
131	2538	80	1.23	5986	91.80						
132	2541	76	1.17	6062	92.96						
133	2545	73	1.12	6135	94.08						
134	2549	59	0.90	6194	94.99						
135	2553	41	0.63	6235	95.61						
136	2557	49	0.75	6284	96.37						
137	2561	42	0.64	6326	97.01						
138	2565	25	0.38	6351	97.39						
139	2570	35	0.54	6386	97.93						
140	2575	27	0.41	6413	98.34						
141	2579	24	0.37	6437	98.71						
142	2584	15	0.23	6452	98.94						
143	2590	14	0.21	6466	99.16						
144	2595	16	0.25	6482	99.40						
145	2601	15	0.23	6497	99.63						
146	2607	8	0.12	6505	99.75						
147	2614	3	0.05	6508	99.80						
148	2620	2	0.03	6510	99.83						
149	2628	5	0.08	6515	99.91						

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Table A.57: AZELLA Stage III Placement Form Frequency Distribution at Grade 5

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2349	6	0.13	70	1.46
1	2092	0	0.00	0	0.00	51	2351	4	0.08	74	1.54
2	2136	0	0.00	0	0.00	52	2353	4	0.08	78	1.63
3	2162	0	0.00	0	0.00	53	2355	7	0.15	85	1.77
4	2180	0	0.00	0	0.00	54	2357	4	0.08	89	1.86
5	2194	0	0.00	0	0.00	55	2359	6	0.13	95	1.98
6	2205	0	0.00	0	0.00	56	2361	7	0.15	102	2.13
7	2215	0	0.00	0	0.00	57	2363	5	0.10	107	2.23
8	2223	0	0.00	0	0.00	58	2365	6	0.13	113	2.36
9	2231	0	0.00	0	0.00	59	2366	8	0.17	121	2.52
10	2237	0	0.00	0	0.00	60	2368	8	0.17	129	2.69
11	2243	0	0.00	0	0.00	61	2370	18	0.38	147	3.06
12	2249	0	0.00	0	0.00	62	2372	10	0.21	157	3.27
13	2253	0	0.00	0	0.00	63	2374	14	0.29	171	3.56
14	2258	0	0.00	0	0.00	64	2376	14	0.29	185	3.86
15	2262	0	0.00	0	0.00	65	2378	12	0.25	197	4.11
16	2266	0	0.00	0	0.00	66	2380	8	0.17	205	4.27
17	2270	0	0.00	0	0.00	67	2382	7	0.15	212	4.42
18	2274	0	0.00	0	0.00	68	2384	11	0.23	223	4.65
19	2277	0	0.00	0	0.00	69	2386	10	0.21	233	4.86
20	2280	0	0.00	0	0.00	70	2388	11	0.23	244	5.09
21	2283	0	0.00	0	0.00	71	2390	27	0.56	271	5.65
22	2286	3	0.06	3	0.06	72	2392	16	0.33	287	5.98
23	2289	1	0.02	4	0.08	73	2394	14	0.29	301	6.27
24	2292	0	0.00	4	0.08	74	2396	17	0.35	318	6.63
25	2295	1	0.02	5	0.10	75	2398	18	0.38	336	7.00
26	2297	2	0.04	7	0.15	**76**	**2401**	**22**	**0.46**	**358**	**7.46**
27	2300	2	0.04	9	0.19	77	2403	16	0.33	374	7.80
28	2303	2	0.04	11	0.23	78	2405	21	0.44	395	8.23
29	2305	0	0.00	11	0.23	79	2407	24	0.50	419	8.73
30	2307	3	0.06	14	0.29	80	2409	28	0.58	447	9.32
31	2310	1	0.02	15	0.31	81	2411	35	0.73	482	10.05
32	2312	2	0.04	17	0.35	82	2413	26	0.54	508	10.59
33	2314	0	0.00	17	0.35	83	2415	29	0.60	537	11.19
34	2316	3	0.06	20	0.42	84	2417	23	0.48	560	11.67
35	2319	1	0.02	21	0.44	85	2419	37	0.77	597	12.45
36	2321	1	0.02	22	0.46	86	2422	36	0.75	633	13.20
37	2323	1	0.02	23	0.48	87	2424	33	0.69	666	13.88
38	2325	5	0.10	28	0.58	88	2426	35	0.73	701	14.61
39	2327	2	0.04	30	0.63	89	2428	37	0.77	738	15.38
40	2329	2	0.04	32	0.67	90	2430	35	0.73	773	16.11
41	2331	3	0.06	35	0.73	91	2432	45	0.94	818	17.05
42	2333	3	0.06	38	0.79	92	2435	39	0.81	857	17.87
43	2335	3	0.06	41	0.85	93	2437	35	0.73	892	18.59
44	2337	4	0.08	45	0.94	94	2439	44	0.92	936	19.51
45	2339	2	0.04	47	0.98	95	2441	41	0.85	977	20.37
46	2341	4	0.08	51	1.06	**96**	**2443**	**54**	**1.13**	**1031**	**21.49**
47	2343	6	0.13	57	1.19	97	2446	56	1.17	1087	22.66
48	2345	5	0.10	62	1.29	98	2448	55	1.15	1142	23.81
49	2347	2	0.04	64	1.33	99	2450	58	1.21	1200	25.02

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Table A.57: AZELLA Stage III Placement Form Frequency Distribution at Grade 5

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2453	72	1.50	1272	26.52	150	2635	5	0.10	4776	99.56
101	2455	57	1.19	1329	27.70	151	2644	7	0.15	4783	99.71
102	2457	58	1.21	1387	28.91	152	2653	7	0.15	4790	99.85
103	2460	73	1.52	1460	30.44	153	2663	3	0.06	4793	99.92
104	2462	80	1.67	1540	32.10	154	2674	2	0.04	4795	99.96
105	2464	81	1.69	1621	33.79	155	2686	1	0.02	4796	99.98
106	2467	90	1.88	1711	35.67	156	2699	1	0.02	4797	100.00
107	2469	71	1.48	1782	37.15	157	2715	0	0.00	4797	100.00
108	2472	88	1.83	1870	38.98	158	2732	0	0.00	4797	100.00
109	**2474**	**99**	**2.06**	**1969**	**41.05**	159	2752	0	0.00	4797	100.00
110	2476	87	1.81	2056	42.86	160	2776	0	0.00	4797	100.00
111	2479	81	1.69	2137	44.55	161	2805	0	0.00	4797	100.00
112	2482	117	2.44	2254	46.99	162	2842	0	0.00	4797	100.00
113	2484	110	2.29	2364	49.28	163	2898	0	0.00	4797	100.00
114	2487	102	2.13	2466	51.41	164	3000	0	0.00	4797	100.00
115	2489	84	1.75	2550	53.16						
116	2492	115	2.40	2665	55.56						
117	2495	107	2.23	2772	57.79						
118	2497	98	2.04	2870	59.83						
119	2500	109	2.27	2979	62.10						
120	2503	129	2.69	3108	64.79						
121	2506	113	2.36	3221	67.15						
122	2509	117	2.44	3338	69.59						
123	2512	105	2.19	3443	71.77						
124	2515	100	2.08	3543	73.86						
125	2518	108	2.25	3651	76.11						
126	2521	99	2.06	3750	78.17						
127	2524	86	1.79	3836	79.97						
128	2528	75	1.56	3911	81.53						
129	2531	86	1.79	3997	83.32						
130	2534	84	1.75	4081	85.07						
131	2538	87	1.81	4168	86.89						
132	2541	75	1.56	4243	88.45						
133	2545	77	1.61	4320	90.06						
134	2549	61	1.27	4381	91.33						
135	2553	54	1.13	4435	92.45						
136	2557	51	1.06	4486	93.52						
137	2561	47	0.98	4533	94.50						
138	2565	42	0.88	4575	95.37						
139	2570	37	0.77	4612	96.14						
140	2575	26	0.54	4638	96.69						
141	2579	31	0.65	4669	97.33						
142	2584	16	0.33	4685	97.67						
143	2590	23	0.48	4708	98.14						
144	2595	16	0.33	4724	98.48						
145	2601	13	0.27	4737	98.75						
146	2607	6	0.13	4743	98.87						
147	2614	15	0.31	4758	99.19						
148	2620	3	0.06	4761	99.25						
149	2628	10	0.21	4771	99.46						

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Table A.58: AZELLA Stage IV Placement Form Frequency Distribution at Grade 6

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2388	2	0.04	90	1.98
1	2122	0	0.00	0	0.00	51	2390	10	0.22	100	2.20
2	2167	0	0.00	0	0.00	52	2392	8	0.18	108	2.38
3	2193	0	0.00	0	0.00	53	2394	11	0.24	119	2.62
4	2212	0	0.00	0	0.00	54	2396	8	0.18	127	2.79
5	2227	0	0.00	0	0.00	55	2397	6	0.13	133	2.93
6	2239	0	0.00	0	0.00	56	2399	8	0.18	141	3.10
7	2249	0	0.00	0	0.00	57	2401	9	0.20	150	3.30
8	2258	0	0.00	0	0.00	58	2403	16	0.35	166	3.65
9	2266	0	0.00	0	0.00	**59**	**2405**	**10**	**0.22**	**176**	**3.87**
10	2273	0	0.00	0	0.00	60	2406	14	0.31	190	4.18
11	2279	0	0.00	0	0.00	61	2408	13	0.29	203	4.47
12	2285	0	0.00	0	0.00	62	2410	15	0.33	218	4.80
13	2290	0	0.00	0	0.00	63	2412	10	0.22	228	5.02
14	2295	0	0.00	0	0.00	64	2414	13	0.29	241	5.30
15	2300	0	0.00	0	0.00	65	2415	24	0.53	265	5.83
16	2304	0	0.00	0	0.00	66	2417	14	0.31	279	6.14
17	2308	0	0.00	0	0.00	67	2419	12	0.26	291	6.40
18	2312	0	0.00	0	0.00	68	2421	21	0.46	312	6.87
19	2315	0	0.00	0	0.00	69	2423	25	0.55	337	7.42
20	2319	0	0.00	0	0.00	70	2424	22	0.48	359	7.90
21	2322	0	0.00	0	0.00	71	2426	30	0.66	389	8.56
22	2325	0	0.00	0	0.00	72	2428	28	0.62	417	9.18
23	2328	0	0.00	0	0.00	73	2430	24	0.53	441	9.71
24	2331	0	0.00	0	0.00	74	2432	41	0.90	482	10.61
25	2334	0	0.00	0	0.00	75	2434	37	0.81	519	11.42
26	2337	1	0.02	1	0.02	76	2435	41	0.90	560	12.32
27	2340	0	0.00	1	0.02	77	2437	38	0.84	598	13.16
28	2342	2	0.04	3	0.07	78	2439	44	0.97	642	14.13
29	2345	3	0.07	6	0.13	79	2441	49	1.08	691	15.21
30	2347	0	0.00	6	0.13	**80**	**2443**	**56**	**1.23**	**747**	**16.44**
31	2350	3	0.07	9	0.20	81	2445	55	1.21	802	17.65
32	2352	2	0.04	11	0.24	82	2447	48	1.06	850	18.71
33	2354	1	0.02	12	0.26	83	2449	52	1.14	902	19.85
34	2356	2	0.04	14	0.31	84	2451	37	0.81	939	20.66
35	2359	2	0.04	16	0.35	85	2452	54	1.19	993	21.85
36	2361	2	0.04	18	0.40	86	2454	57	1.25	1050	23.11
37	2363	5	0.11	23	0.51	87	2456	67	1.47	1117	24.58
38	2365	7	0.15	30	0.66	88	2458	67	1.47	1184	26.06
39	2367	6	0.13	36	0.79	89	2460	62	1.36	1246	27.42
40	2369	3	0.07	39	0.86	90	2462	75	1.65	1321	29.07
41	2371	5	0.11	44	0.97	91	2464	65	1.43	1386	30.50
42	2373	7	0.15	51	1.12	92	2466	76	1.67	1462	32.17
43	2375	3	0.07	54	1.19	93	2468	54	1.19	1516	33.36
44	2377	7	0.15	61	1.34	94	2470	82	1.80	1598	35.17
45	2379	5	0.11	66	1.45	95	2472	75	1.65	1673	36.82
46	2381	7	0.15	73	1.61	96	2474	66	1.45	1739	38.27
47	2383	8	0.18	81	1.78	97	2476	89	1.96	1828	40.23
48	2385	2	0.04	83	1.83	**98**	**2478**	**67**	**1.47**	**1895**	**41.70**
49	2386	5	0.11	88	1.94	99	2480	83	1.83	1978	43.53

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Table A.58: AZELLA Stage IV Placement Form Frequency Distribution at Grade 6

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2483	86	1.89	2064	45.42	150	2635	1	0.02	4535	99.80
101	2485	84	1.85	2148	47.27	151	2640	0	0.00	4535	99.80
102	2487	103	2.27	2251	49.54	152	2647	2	0.04	4537	99.85
103	2489	89	1.96	2340	51.50	153	2653	1	0.02	4538	99.87
104	2491	99	2.18	2439	53.68	154	2660	3	0.07	4541	99.93
105	2493	76	1.67	2515	55.35	155	2667	1	0.02	4542	99.96
106	2495	96	2.11	2611	57.46	156	2675	0	0.00	4542	99.96
107	2498	91	2.00	2702	59.46	157	2683	1	0.02	4543	99.98
108	2500	92	2.02	2794	61.49	158	2692	0	0.00	4543	99.98
109	2502	87	1.91	2881	63.40	159	2702	1	0.02	4544	100.00
110	2504	84	1.85	2965	65.25	160	2712	0	0.00	4544	100.00
111	2506	72	1.58	3037	66.84	161	2723	0	0.00	4544	100.00
112	2509	91	2.00	3128	68.84	162	2735	0	0.00	4544	100.00
113	2511	88	1.94	3216	70.77	163	2749	0	0.00	4544	100.00
114	2513	76	1.67	3292	72.45	164	2764	0	0.00	4544	100.00
115	2516	74	1.63	3366	74.08	165	2780	0	0.00	4544	100.00
116	2518	85	1.87	3451	75.95	166	2798	0	0.00	4544	100.00
117	2521	67	1.47	3518	77.42	167	2819	0	0.00	4544	100.00
118	2523	80	1.76	3598	79.18	168	2843	0	0.00	4544	100.00
119	2525	57	1.25	3655	80.44	169	2871	0	0.00	4544	100.00
120	2528	66	1.45	3721	81.89	170	2907	0	0.00	4544	100.00
121	2531	57	1.25	3778	83.14	171	2962	0	0.00	4544	100.00
122	2533	70	1.54	3848	84.68	172	3000	0	0.00	4544	100.00
123	2536	63	1.39	3911	86.07						
124	2538	61	1.34	3972	87.41						
125	2541	37	0.81	4009	88.23						
126	2544	69	1.52	4078	89.74						
127	2547	33	0.73	4111	90.47						
128	2549	61	1.34	4172	91.81						
129	2552	39	0.86	4211	92.67						
130	2555	38	0.84	4249	93.51						
131	2558	28	0.62	4277	94.12						
132	2561	25	0.55	4302	94.67						
133	2564	34	0.75	4336	95.42						
134	2568	35	0.77	4371	96.19						
135	2571	12	0.26	4383	96.46						
136	2574	21	0.46	4404	96.92						
137	2578	16	0.35	4420	97.27						
138	2581	19	0.42	4439	97.69						
139	2585	5	0.11	4444	97.80						
140	2589	10	0.22	4454	98.02						
141	2593	15	0.33	4469	98.35						
142	2597	11	0.24	4480	98.59						
143	2601	11	0.24	4491	98.83						
144	2605	7	0.15	4498	98.99						
145	2609	13	0.29	4511	99.27						
146	2614	5	0.11	4516	99.38						
147	2619	9	0.20	4525	99.58						
148	2624	2	0.04	4527	99.63						
149	2629	7	0.15	4534	99.78						

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Table A.59: AZELLA Stage IV Placement Form Frequency Distribution at Grade 7

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2388	6	0.20	84	2.82
1	2122	0	0.00	0	0.00	51	2390	8	0.27	92	3.09
2	2167	0	0.00	0	0.00	52	2392	7	0.23	99	3.32
3	2193	0	0.00	0	0.00	53	2394	4	0.13	103	3.46
4	2212	0	0.00	0	0.00	54	2396	8	0.27	111	3.73
5	2227	0	0.00	0	0.00	55	2397	12	0.40	123	4.13
6	2239	0	0.00	0	0.00	56	2399	5	0.17	128	4.30
7	2249	0	0.00	0	0.00	57	2401	9	0.30	137	4.60
8	2258	0	0.00	0	0.00	58	2403	7	0.23	144	4.83
9	2266	0	0.00	0	0.00	**59**	**2405**	**11**	**0.37**	**155**	**5.20**
10	2273	0	0.00	0	0.00	60	2406	5	0.17	160	5.37
11	2279	0	0.00	0	0.00	61	2408	7	0.23	167	5.61
12	2285	0	0.00	0	0.00	62	2410	9	0.30	176	5.91
13	2290	0	0.00	0	0.00	63	2412	8	0.27	184	6.18
14	2295	0	0.00	0	0.00	64	2414	12	0.40	196	6.58
15	2300	1	0.03	1	0.03	65	2415	11	0.37	207	6.95
16	2304	0	0.00	1	0.03	66	2417	14	0.47	221	7.42
17	2308	0	0.00	1	0.03	67	2419	17	0.57	238	7.99
18	2312	0	0.00	1	0.03	68	2421	20	0.67	258	8.66
19	2315	0	0.00	1	0.03	69	2423	16	0.54	274	9.20
20	2319	0	0.00	1	0.03	70	2424	18	0.60	292	9.80
21	2322	0	0.00	1	0.03	71	2426	17	0.57	309	10.37
22	2325	0	0.00	1	0.03	72	2428	14	0.47	323	10.84
23	2328	1	0.03	2	0.07	73	2430	15	0.50	338	11.35
24	2331	0	0.00	2	0.07	74	2432	16	0.54	354	11.88
25	2334	0	0.00	2	0.07	75	2434	17	0.57	371	12.45
26	2337	0	0.00	2	0.07	76	2435	27	0.91	398	13.36
27	2340	0	0.00	2	0.07	77	2437	22	0.74	420	14.10
28	2342	2	0.07	4	0.13	78	2439	18	0.60	438	14.70
29	2345	3	0.10	7	0.23	79	2441	41	1.38	479	16.08
30	2347	1	0.03	8	0.27	**80**	**2443**	**23**	**0.77**	**502**	**16.85**
31	2350	2	0.07	10	0.34	81	2445	25	0.84	527	17.69
32	2352	3	0.10	13	0.44	82	2447	38	1.28	565	18.97
33	2354	3	0.10	16	0.54	83	2449	34	1.14	599	20.11
34	2356	2	0.07	18	0.60	84	2451	38	1.28	637	21.38
35	2359	2	0.07	20	0.67	85	2452	40	1.34	677	22.73
36	2361	4	0.13	24	0.81	86	2454	31	1.04	708	23.77
37	2363	6	0.20	30	1.01	87	2456	42	1.41	750	25.18
38	2365	4	0.13	34	1.14	88	2458	47	1.58	797	26.75
39	2367	7	0.23	41	1.38	89	2460	30	1.01	827	27.76
40	2369	5	0.17	46	1.54	90	2462	48	1.61	875	29.37
41	2371	3	0.10	49	1.64	91	2464	36	1.21	911	30.58
42	2373	0	0.00	49	1.64	92	2466	42	1.41	953	31.99
43	2375	2	0.07	51	1.71	93	2468	26	0.87	979	32.86
44	2377	3	0.10	54	1.81	94	2470	51	1.71	1030	34.58
45	2379	5	0.17	59	1.98	95	2472	43	1.44	1073	36.02
46	2381	1	0.03	60	2.01	96	2474	49	1.64	1122	37.66
47	2383	6	0.20	66	2.22	97	2476	42	1.41	1164	39.07
48	2385	7	0.23	73	2.45	**98**	**2478**	**56**	**1.88**	**1220**	**40.95**
49	2386	5	0.17	78	2.62	99	2480	39	1.31	1259	42.26

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Table A.59: AZELLA Stage IV Placement Form Frequency Distribution at Grade 7

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2483	55	1.85	1314	44.11	150	2635	4	0.13	2972	99.77
101	2485	52	1.75	1366	45.85	151	2640	0	0.00	2972	99.77
102	2487	53	1.78	1419	47.63	152	2647	2	0.07	2974	99.83
103	2489	50	1.68	1469	49.31	153	2653	3	0.10	2977	99.93
104	2491	66	2.22	1535	51.53	154	2660	0	0.00	2977	99.93
105	2493	41	1.38	1576	52.90	155	2667	0	0.00	2977	99.93
106	2495	55	1.85	1631	54.75	156	2675	2	0.07	2979	100.00
107	2498	66	2.22	1697	56.97	157	2683	0	0.00	2979	100.00
108	2500	63	2.11	1760	59.08	158	2692	0	0.00	2979	100.00
109	2502	50	1.68	1810	60.76	159	2702	0	0.00	2979	100.00
110	2504	52	1.75	1862	62.50	160	2712	0	0.00	2979	100.00
111	2506	47	1.58	1909	64.08	161	2723	0	0.00	2979	100.00
112	2509	44	1.48	1953	65.56	162	2735	0	0.00	2979	100.00
113	2511	43	1.44	1996	67.00	163	2749	0	0.00	2979	100.00
114	2513	54	1.81	2050	68.82	164	2764	0	0.00	2979	100.00
115	2516	63	2.11	2113	70.93	165	2780	0	0.00	2979	100.00
116	2518	53	1.78	2166	72.71	166	2798	0	0.00	2979	100.00
117	2521	46	1.54	2212	74.25	167	2819	0	0.00	2979	100.00
118	2523	47	1.58	2259	75.83	168	2843	0	0.00	2979	100.00
119	2525	50	1.68	2309	77.51	169	2871	0	0.00	2979	100.00
120	2528	70	2.35	2379	79.86	170	2907	0	0.00	2979	100.00
121	2531	46	1.54	2425	81.40	171	2962	0	0.00	2979	100.00
122	2533	59	1.98	2484	83.38	172	3000	0	0.00	2979	100.00
123	2536	27	0.91	2511	84.29						
124	2538	44	1.48	2555	85.77						
125	2541	32	1.07	2587	86.84						
126	2544	35	1.17	2622	88.02						
127	2547	27	0.91	2649	88.92						
128	2549	39	1.31	2688	90.23						
129	2552	25	0.84	2713	91.07						
130	2555	28	0.94	2741	92.01						
131	2558	25	0.84	2766	92.85						
132	2561	24	0.81	2790	93.66						
133	2564	15	0.50	2805	94.16						
134	2568	21	0.70	2826	94.86						
135	2571	12	0.40	2838	95.27						
136	2574	12	0.40	2850	95.67						
137	2578	12	0.40	2862	96.07						
138	2581	16	0.54	2878	96.61						
139	2585	10	0.34	2888	96.95						
140	2589	18	0.60	2906	97.55						
141	2593	5	0.17	2911	97.72						
142	2597	16	0.54	2927	98.25						
143	2601	7	0.23	2934	98.49						
144	2605	5	0.17	2939	98.66						
145	2609	4	0.13	2943	98.79						
146	2614	7	0.23	2950	99.03						
147	2619	8	0.27	2958	99.30						
148	2624	5	0.17	2963	99.46						
149	2629	5	0.17	2968	99.63						

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Table A.60: AZELLA Stage IV Placement Form Frequency Distribution at Grade 8

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2388	4	0.18	51	2.31
1	2122	0	0.00	0	0.00	51	2390	2	0.09	53	2.40
2	2167	0	0.00	0	0.00	52	2392	2	0.09	55	2.49
3	2193	0	0.00	0	0.00	53	2394	3	0.14	58	2.62
4	2212	0	0.00	0	0.00	54	2396	3	0.14	61	2.76
5	2227	0	0.00	0	0.00	55	2397	10	0.45	71	3.21
6	2239	0	0.00	0	0.00	56	2399	8	0.36	79	3.57
7	2249	0	0.00	0	0.00	57	2401	6	0.27	85	3.84
8	2258	0	0.00	0	0.00	58	2403	6	0.27	91	4.12
9	2266	0	0.00	0	0.00	**59**	**2405**	**5**	**0.23**	**96**	**4.34**
10	2273	0	0.00	0	0.00	60	2406	5	0.23	101	4.57
11	2279	0	0.00	0	0.00	61	2408	8	0.36	109	4.93
12	2285	0	0.00	0	0.00	62	2410	8	0.36	117	5.29
13	2290	0	0.00	0	0.00	63	2412	7	0.32	124	5.61
14	2295	0	0.00	0	0.00	64	2414	5	0.23	129	5.83
15	2300	0	0.00	0	0.00	65	2415	6	0.27	135	6.11
16	2304	0	0.00	0	0.00	66	2417	7	0.32	142	6.42
17	2308	1	0.05	1	0.05	67	2419	6	0.27	148	6.69
18	2312	0	0.00	1	0.05	68	2421	8	0.36	156	7.06
19	2315	0	0.00	1	0.05	69	2423	9	0.41	165	7.46
20	2319	0	0.00	1	0.05	70	2424	12	0.54	177	8.01
21	2322	0	0.00	1	0.05	71	2426	12	0.54	189	8.55
22	2325	0	0.00	1	0.05	72	2428	13	0.59	202	9.14
23	2328	1	0.05	2	0.09	73	2430	11	0.50	213	9.63
24	2331	1	0.05	3	0.14	74	2432	14	0.63	227	10.27
25	2334	1	0.05	4	0.18	75	2434	9	0.41	236	10.67
26	2337	0	0.00	4	0.18	76	2435	10	0.45	246	11.13
27	2340	0	0.00	4	0.18	77	2437	14	0.63	260	11.76
28	2342	0	0.00	4	0.18	78	2439	17	0.77	277	12.53
29	2345	1	0.05	5	0.23	79	2441	20	0.90	297	13.43
30	2347	0	0.00	5	0.23	**80**	**2443**	**14**	**0.63**	**311**	**14.07**
31	2350	2	0.09	7	0.32	81	2445	15	0.68	326	14.74
32	2352	1	0.05	8	0.36	82	2447	15	0.68	341	15.42
33	2354	1	0.05	9	0.41	83	2449	24	1.09	365	16.51
34	2356	1	0.05	10	0.45	84	2451	23	1.04	388	17.55
35	2359	1	0.05	11	0.50	85	2452	19	0.86	407	18.41
36	2361	3	0.14	14	0.63	86	2454	19	0.86	426	19.27
37	2363	1	0.05	15	0.68	87	2456	19	0.86	445	20.13
38	2365	3	0.14	18	0.81	88	2458	17	0.77	462	20.90
39	2367	3	0.14	21	0.95	89	2460	23	1.04	485	21.94
40	2369	1	0.05	22	1.00	90	2462	25	1.13	510	23.07
41	2371	3	0.14	25	1.13	91	2464	27	1.22	537	24.29
42	2373	2	0.09	27	1.22	92	2466	21	0.95	558	25.24
43	2375	4	0.18	31	1.40	93	2468	32	1.45	590	26.68
44	2377	3	0.14	34	1.54	94	2470	32	1.45	622	28.13
45	2379	1	0.05	35	1.58	95	2472	28	1.27	650	29.40
46	2381	2	0.09	37	1.67	96	2474	34	1.54	684	30.94
47	2383	4	0.18	41	1.85	97	2476	23	1.04	707	31.98
48	2385	2	0.09	43	1.94	**98**	**2478**	**37**	**1.67**	**744**	**33.65**
49	2386	4	0.18	47	2.13	99	2480	25	1.13	769	34.78

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Table A.60: AZELLA Stage IV Placement Form Frequency Distribution at Grade 8

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2483	38	1.72	807	36.50	150	2635	4	0.18	2193	99.19
101	2485	28	1.27	835	37.77	151	2640	4	0.18	2197	99.37
102	2487	42	1.90	877	39.67	152	2647	3	0.14	2200	99.50
103	2489	39	1.76	916	41.43	153	2653	2	0.09	2202	99.59
104	2491	42	1.90	958	43.33	154	2660	1	0.05	2203	99.64
105	2493	42	1.90	1000	45.23	155	2667	3	0.14	2206	99.77
106	2495	33	1.49	1033	46.72	156	2675	2	0.09	2208	99.86
107	2498	44	1.99	1077	48.71	157	2683	2	0.09	2210	99.95
108	2500	49	2.22	1126	50.93	158	2692	0	0.00	2210	99.95
109	2502	36	1.63	1162	52.56	159	2702	0	0.00	2210	99.95
110	2504	46	2.08	1208	54.64	160	2712	0	0.00	2210	99.95
111	2506	30	1.36	1238	55.99	161	2723	1	0.05	2211	100.00
112	2509	37	1.67	1275	57.67	162	2735	0	0.00	2211	100.00
113	2511	46	2.08	1321	59.75	163	2749	0	0.00	2211	100.00
114	2513	46	2.08	1367	61.83	164	2764	0	0.00	2211	100.00
115	2516	32	1.45	1399	63.27	165	2780	0	0.00	2211	100.00
116	2518	39	1.76	1438	65.04	166	2798	0	0.00	2211	100.00
117	2521	35	1.58	1473	66.62	167	2819	0	0.00	2211	100.00
118	2523	39	1.76	1512	68.39	168	2843	0	0.00	2211	100.00
119	2525	41	1.85	1553	70.24	169	2871	0	0.00	2211	100.00
120	2528	28	1.27	1581	71.51	170	2907	0	0.00	2211	100.00
121	2531	39	1.76	1620	73.27	171	2962	0	0.00	2211	100.00
122	2533	34	1.54	1654	74.81	172	3000	0	0.00	2211	100.00
123	2536	34	1.54	1688	76.35						
124	2538	32	1.45	1720	77.79						
125	2541	30	1.36	1750	79.15						
126	2544	24	1.09	1774	80.24						
127	2547	34	1.54	1808	81.77						
128	2549	26	1.18	1834	82.95						
129	2552	20	0.90	1854	83.85						
130	2555	41	1.85	1895	85.71						
131	2558	28	1.27	1923	86.97						
132	2561	29	1.31	1952	88.29						
133	2564	24	1.09	1976	89.37						
134	2568	24	1.09	2000	90.46						
135	2571	19	0.86	2019	91.32						
136	2574	20	0.90	2039	92.22						
137	2578	9	0.41	2048	92.63						
138	2581	19	0.86	2067	93.49						
139	2585	16	0.72	2083	94.21						
140	2589	19	0.86	2102	95.07						
141	2593	17	0.77	2119	95.84						
142	2597	14	0.63	2133	96.47						
143	2601	12	0.54	2145	97.01						
144	2605	8	0.36	2153	97.38						
145	2609	10	0.45	2163	97.83						
146	2614	7	0.32	2170	98.15						
147	2619	10	0.45	2180	98.60						
148	2624	2	0.09	2182	98.69						
149	2629	7	0.32	2189	99.00						

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Table A.61: AZELLA Stage V Placement Form Frequency Distribution at Grade 9

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2403	4	0.32	94	7.61
1	2137	0	0.00	0	0.00	51	2405	5	0.40	99	8.02
2	2182	0	0.00	0	0.00	52	2406	8	0.65	107	8.66
3	2208	0	0.00	0	0.00	53	2408	6	0.49	113	9.15
4	2227	0	0.00	0	0.00	54	2410	9	0.73	122	9.88
5	2242	0	0.00	0	0.00	55	2412	4	0.32	126	10.20
6	2254	0	0.00	0	0.00	56	2413	6	0.49	132	10.69
7	2265	0	0.00	0	0.00	57	2415	4	0.32	136	11.01
8	2273	0	0.00	0	0.00	58	2417	6	0.49	142	11.50
9	2281	0	0.00	0	0.00	59	2418	7	0.57	149	12.06
10	2288	0	0.00	0	0.00	60	2420	4	0.32	153	12.39
11	2295	0	0.00	0	0.00	61	2422	8	0.65	161	13.04
12	2301	0	0.00	0	0.00	62	2423	4	0.32	165	13.36
13	2306	0	0.00	0	0.00	63	2425	8	0.65	173	14.01
14	2311	0	0.00	0	0.00	**64**	**2427**	**8**	**0.65**	**181**	**14.66**
15	2316	0	0.00	0	0.00	65	2428	11	0.89	192	15.55
16	2320	0	0.00	0	0.00	66	2430	8	0.65	200	16.19
17	2324	0	0.00	0	0.00	67	2432	10	0.81	210	17.00
18	2328	0	0.00	0	0.00	68	2433	10	0.81	220	17.81
19	2332	0	0.00	0	0.00	69	2435	6	0.49	226	18.30
20	2335	1	0.08	1	0.08	70	2437	8	0.65	234	18.95
21	2339	0	0.00	1	0.08	71	2439	10	0.81	244	19.76
22	2342	0	0.00	1	0.08	72	2440	10	0.81	254	20.57
23	2345	1	0.08	2	0.16	73	2442	8	0.65	262	21.21
24	2348	0	0.00	2	0.16	74	2444	6	0.49	268	21.70
25	2351	2	0.16	4	0.32	75	2445	9	0.73	277	22.43
26	2353	4	0.32	8	0.65	76	2447	6	0.49	283	22.91
27	2356	1	0.08	9	0.73	77	2449	6	0.49	289	23.40
28	2359	1	0.08	10	0.81	78	2451	7	0.57	296	23.97
29	2361	1	0.08	11	0.89	79	2452	10	0.81	306	24.78
30	2363	0	0.00	11	0.89	80	2454	12	0.97	318	25.75
31	2366	2	0.16	13	1.05	81	2456	13	1.05	331	26.80
32	2368	4	0.32	17	1.38	82	2458	13	1.05	344	27.85
33	2370	2	0.16	19	1.54	83	2459	12	0.97	356	28.83
34	2373	3	0.24	22	1.78	84	2461	17	1.38	373	30.20
35	2375	1	0.08	23	1.86	85	2463	19	1.54	392	31.74
36	2377	4	0.32	27	2.19	86	2465	9	0.73	401	32.47
37	2379	5	0.40	32	2.59	87	2467	10	0.81	411	33.28
38	2381	8	0.65	40	3.24	**88**	**2468**	**15**	**1.21**	**426**	**34.49**
39	2383	4	0.32	44	3.56	89	2470	15	1.21	441	35.71
40	2385	3	0.24	47	3.81	90	2472	12	0.97	453	36.68
41	2387	3	0.24	50	4.05	91	2474	12	0.97	465	37.65
42	2389	5	0.40	55	4.45	92	2476	18	1.46	483	39.11
43	2390	5	0.40	60	4.86	93	2478	16	1.30	499	40.40
44	2392	4	0.32	64	5.18	94	2480	11	0.89	510	41.30
45	2394	8	0.65	72	5.83	95	2481	16	1.30	526	42.59
46	2396	6	0.49	78	6.32	96	2483	17	1.38	543	43.97
47	2398	3	0.24	81	6.56	97	2485	9	0.73	552	44.70
48	2399	1	0.08	82	6.64	98	2487	11	0.89	563	45.59
49	2401	8	0.65	90	7.29	99	2489	20	1.62	583	47.21

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Table A.61: AZELLA Stage V Placement Form Frequency Distribution at Grade 9

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2491	17	1.38	600	48.58	150	2639	2	0.16	1222	98.95
101	2493	33	2.67	633	51.26	151	2644	0	0.00	1222	98.95
102	2495	16	1.30	649	52.55	152	2650	5	0.40	1227	99.35
103	2497	21	1.70	670	54.25	153	2656	0	0.00	1227	99.35
104	2499	19	1.54	689	55.79	154	2662	4	0.32	1231	99.68
105	2501	16	1.30	705	57.09	155	2669	1	0.08	1232	99.76
106	2503	19	1.54	724	58.62	156	2676	0	0.00	1232	99.76
107	2506	10	0.81	734	59.43	157	2684	1	0.08	1233	99.84
108	**2508**	**13**	**1.05**	**747**	**60.49**	158	2692	1	0.08	1234	99.92
109	2510	20	1.62	767	62.11	159	2701	0	0.00	1234	99.92
110	2512	21	1.70	788	63.81	160	2710	0	0.00	1234	99.92
111	2514	11	0.89	799	64.70	161	2720	1	0.08	1235	100.00
112	2517	15	1.21	814	65.91	162	2732	0	0.00	1235	100.00
113	2519	20	1.62	834	67.53	163	2745	0	0.00	1235	100.00
114	2521	11	0.89	845	68.42	164	2759	0	0.00	1235	100.00
115	2523	23	1.86	868	70.28	165	2776	0	0.00	1235	100.00
116	2526	17	1.38	885	71.66	166	2795	0	0.00	1235	100.00
117	2528	22	1.78	907	73.44	167	2819	0	0.00	1235	100.00
118	2530	8	0.65	915	74.09	168	2849	0	0.00	1235	100.00
119	2533	17	1.38	932	75.47	169	2889	0	0.00	1235	100.00
120	2535	25	2.02	957	77.49	170	2942	0	0.00	1235	100.00
121	2538	17	1.38	974	78.87	171	3000	0	0.00	1235	100.00
122	2540	22	1.78	996	80.65	172	3000	0	0.00	1235	100.00
123	2543	13	1.05	1009	81.70						
124	2546	12	0.97	1021	82.67						
125	2548	17	1.38	1038	84.05						
126	2551	8	0.65	1046	84.70						
127	2554	15	1.21	1061	85.91						
128	2556	13	1.05	1074	86.96						
129	2559	7	0.57	1081	87.53						
130	2562	10	0.81	1091	88.34						
131	2565	12	0.97	1103	89.31						
132	2568	11	0.89	1114	90.20						
133	2571	12	0.97	1126	91.17						
134	2574	11	0.89	1137	92.06						
135	2578	7	0.57	1144	92.63						
136	2581	11	0.89	1155	93.52						
137	2584	8	0.65	1163	94.17						
138	2588	3	0.24	1166	94.41						
139	2591	10	0.81	1176	95.22						
140	2595	4	0.32	1180	95.55						
141	2599	6	0.49	1186	96.03						
142	2602	9	0.73	1195	96.76						
143	2606	2	0.16	1197	96.92						
144	2611	9	0.73	1206	97.65						
145	2615	5	0.40	1211	98.06						
146	2619	3	0.24	1214	98.30						
147	2624	2	0.16	1216	98.46						
148	2629	3	0.24	1219	98.70						
149	2634	1	0.08	1220	98.79						

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Table A.62: AZELLA Stage V Placement Form Frequency Distribution at Grade 10

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2403	1	0.09	49	4.24
1	2137	0	0.00	0	0.00	51	2405	1	0.09	50	4.33
2	2182	0	0.00	0	0.00	52	2406	1	0.09	51	4.42
3	2208	0	0.00	0	0.00	53	2408	7	0.61	58	5.02
4	2227	0	0.00	0	0.00	54	2410	5	0.43	63	5.45
5	2242	0	0.00	0	0.00	55	2412	3	0.26	66	5.71
6	2254	0	0.00	0	0.00	56	2413	6	0.52	72	6.23
7	2265	0	0.00	0	0.00	57	2415	10	0.87	82	7.10
8	2273	0	0.00	0	0.00	58	2417	1	0.09	83	7.19
9	2281	0	0.00	0	0.00	59	2418	2	0.17	85	7.36
10	2288	0	0.00	0	0.00	60	2420	5	0.43	90	7.79
11	2295	0	0.00	0	0.00	61	2422	4	0.35	94	8.14
12	2301	0	0.00	0	0.00	62	2423	4	0.35	98	8.48
13	2306	0	0.00	0	0.00	63	2425	3	0.26	101	8.74
14	2311	0	0.00	0	0.00	**64**	**2427**	**3**	**0.26**	**104**	**9.00**
15	2316	0	0.00	0	0.00	65	2428	5	0.43	109	9.44
16	2320	0	0.00	0	0.00	66	2430	2	0.17	111	9.61
17	2324	0	0.00	0	0.00	67	2432	7	0.61	118	10.22
18	2328	0	0.00	0	0.00	68	2433	9	0.78	127	11.00
19	2332	0	0.00	0	0.00	69	2435	4	0.35	131	11.34
20	2335	0	0.00	0	0.00	70	2437	3	0.26	134	11.60
21	2339	0	0.00	0	0.00	71	2439	6	0.52	140	12.12
22	2342	1	0.09	1	0.09	72	2440	7	0.61	147	12.73
23	2345	0	0.00	1	0.09	73	2442	10	0.87	157	13.59
24	2348	0	0.00	1	0.09	74	2444	2	0.17	159	13.77
25	2351	0	0.00	1	0.09	75	2445	9	0.78	168	14.55
26	2353	0	0.00	1	0.09	76	2447	10	0.87	178	15.41
27	2356	1	0.09	2	0.17	77	2449	9	0.78	187	16.19
28	2359	1	0.09	3	0.26	78	2451	10	0.87	197	17.06
29	2361	1	0.09	4	0.35	79	2452	9	0.78	206	17.84
30	2363	3	0.26	7	0.61	80	2454	4	0.35	210	18.18
31	2366	0	0.00	7	0.61	81	2456	8	0.69	218	18.87
32	2368	3	0.26	10	0.87	82	2458	12	1.04	230	19.91
33	2370	4	0.35	14	1.21	83	2459	8	0.69	238	20.61
34	2373	0	0.00	14	1.21	84	2461	11	0.95	249	21.56
35	2375	0	0.00	14	1.21	85	2463	8	0.69	257	22.25
36	2377	4	0.35	18	1.56	86	2465	8	0.69	265	22.94
37	2379	1	0.09	19	1.65	87	2467	9	0.78	274	23.72
38	2381	1	0.09	20	1.73	**88**	**2468**	**8**	**0.69**	**282**	**24.42**
39	2383	2	0.17	22	1.90	89	2470	10	0.87	292	25.28
40	2385	1	0.09	23	1.99	90	2472	8	0.69	300	25.97
41	2387	3	0.26	26	2.25	91	2474	13	1.13	313	27.10
42	2389	3	0.26	29	2.51	92	2476	6	0.52	319	27.62
43	2390	2	0.17	31	2.68	93	2478	13	1.13	332	28.74
44	2392	2	0.17	33	2.86	94	2480	11	0.95	343	29.70
45	2394	2	0.17	35	3.03	95	2481	11	0.95	354	30.65
46	2396	5	0.43	40	3.46	96	2483	15	1.30	369	31.95
47	2398	3	0.26	43	3.72	97	2485	7	0.61	376	32.55
48	2399	4	0.35	47	4.07	98	2487	17	1.47	393	34.03
49	2401	1	0.09	48	4.16	99	2489	20	1.73	413	35.76

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Table A.62: AZELLA Stage V Placement Form Frequency Distribution at Grade 10

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2491	21	1.82	434	37.58	150	2639	9	0.78	1122	97.14
101	2493	14	1.21	448	38.79	151	2644	10	0.87	1132	98.01
102	2495	16	1.39	464	40.17	152	2650	3	0.26	1135	98.27
103	2497	12	1.04	476	41.21	153	2656	4	0.35	1139	98.61
104	2499	15	1.30	491	42.51	154	2662	9	0.78	1148	99.39
105	2501	18	1.56	509	44.07	155	2669	3	0.26	1151	99.65
106	2503	19	1.65	528	45.71	156	2676	1	0.09	1152	99.74
107	2506	11	0.95	539	46.67	157	2684	1	0.09	1153	99.83
108	**2508**	**19**	**1.65**	**558**	**48.31**	158	2692	2	0.17	1155	100.00
109	2510	17	1.47	575	49.78	159	2701	0	0.00	1155	100.00
110	2512	15	1.30	590	51.08	160	2710	0	0.00	1155	100.00
111	2514	14	1.21	604	52.29	161	2720	0	0.00	1155	100.00
112	2517	16	1.39	620	53.68	162	2732	0	0.00	1155	100.00
113	2519	29	2.51	649	56.19	163	2745	0	0.00	1155	100.00
114	2521	12	1.04	661	57.23	164	2759	0	0.00	1155	100.00
115	2523	20	1.73	681	58.96	165	2776	0	0.00	1155	100.00
116	2526	21	1.82	702	60.78	166	2795	0	0.00	1155	100.00
117	2528	13	1.13	715	61.90	167	2819	0	0.00	1155	100.00
118	2530	16	1.39	731	63.29	168	2849	0	0.00	1155	100.00
119	2533	20	1.73	751	65.02	169	2889	0	0.00	1155	100.00
120	2535	10	0.87	761	65.89	170	2942	0	0.00	1155	100.00
121	2538	13	1.13	774	67.01	171	3000	0	0.00	1155	100.00
122	2540	12	1.04	786	68.05	172	3000	0	0.00	1155	100.00
123	2543	21	1.82	807	69.87						
124	2546	11	0.95	818	70.82						
125	2548	14	1.21	832	72.03						
126	2551	12	1.04	844	73.07						
127	2554	12	1.04	856	74.11						
128	2556	15	1.30	871	75.41						
129	2559	15	1.30	886	76.71						
130	2562	7	0.61	893	77.32						
131	2565	9	0.78	902	78.10						
132	2568	13	1.13	915	79.22						
133	2571	20	1.73	935	80.95						
134	2574	11	0.95	946	81.90						
135	2578	15	1.30	961	83.20						
136	2581	17	1.47	978	84.68						
137	2584	19	1.65	997	86.32						
138	2588	10	0.87	1007	87.19						
139	2591	8	0.69	1015	87.88						
140	2595	10	0.87	1025	88.74						
141	2599	16	1.39	1041	90.13						
142	2602	10	0.87	1051	91.00						
143	2606	10	0.87	1061	91.86						
144	2611	11	0.95	1072	92.81						
145	2615	6	0.52	1078	93.33						
146	2619	9	0.78	1087	94.11						
147	2624	9	0.78	1096	94.89						
148	2629	7	0.61	1103	95.50						
149	2634	10	0.87	1113	96.36						

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Table A.63: AZELLA Stage V Placement Form Frequency Distribution at Grade 11

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2403	2	0.22	29	3.13
1	2137	0	0.00	0	0.00	51	2405	1	0.11	30	3.23
2	2182	0	0.00	0	0.00	52	2406	1	0.11	31	3.34
3	2208	0	0.00	0	0.00	53	2408	5	0.54	36	3.88
4	2227	0	0.00	0	0.00	54	2410	2	0.22	38	4.09
5	2242	0	0.00	0	0.00	55	2412	1	0.11	39	4.20
6	2254	0	0.00	0	0.00	56	2413	3	0.32	42	4.53
7	2265	0	0.00	0	0.00	57	2415	2	0.22	44	4.74
8	2273	0	0.00	0	0.00	58	2417	3	0.32	47	5.06
9	2281	0	0.00	0	0.00	59	2418	1	0.11	48	5.17
10	2288	0	0.00	0	0.00	60	2420	1	0.11	49	5.28
11	2295	0	0.00	0	0.00	61	2422	6	0.65	55	5.93
12	2301	0	0.00	0	0.00	62	2423	2	0.22	57	6.14
13	2306	0	0.00	0	0.00	63	2425	2	0.22	59	6.36
14	2311	0	0.00	0	0.00	**64**	**2427**	**3**	**0.32**	**62**	**6.68**
15	2316	0	0.00	0	0.00	65	2428	3	0.32	65	7.00
16	2320	0	0.00	0	0.00	66	2430	3	0.32	68	7.33
17	2324	0	0.00	0	0.00	67	2432	3	0.32	71	7.65
18	2328	0	0.00	0	0.00	68	2433	6	0.65	77	8.30
19	2332	0	0.00	0	0.00	69	2435	7	0.75	84	9.05
20	2335	0	0.00	0	0.00	70	2437	3	0.32	87	9.38
21	2339	0	0.00	0	0.00	71	2439	3	0.32	90	9.70
22	2342	0	0.00	0	0.00	72	2440	3	0.32	93	10.02
23	2345	0	0.00	0	0.00	73	2442	5	0.54	98	10.56
24	2348	1	0.11	1	0.11	74	2444	5	0.54	103	11.10
25	2351	0	0.00	1	0.11	75	2445	8	0.86	111	11.96
26	2353	0	0.00	1	0.11	76	2447	7	0.75	118	12.72
27	2356	0	0.00	1	0.11	77	2449	9	0.97	127	13.69
28	2359	0	0.00	1	0.11	78	2451	5	0.54	132	14.22
29	2361	0	0.00	1	0.11	79	2452	5	0.54	137	14.76
30	2363	0	0.00	1	0.11	80	2454	3	0.32	140	15.09
31	2366	0	0.00	1	0.11	81	2456	6	0.65	146	15.73
32	2368	0	0.00	1	0.11	82	2458	8	0.86	154	16.59
33	2370	2	0.22	3	0.32	83	2459	3	0.32	157	16.92
34	2373	1	0.11	4	0.43	84	2461	8	0.86	165	17.78
35	2375	2	0.22	6	0.65	85	2463	8	0.86	173	18.64
36	2377	0	0.00	6	0.65	86	2465	2	0.22	175	18.86
37	2379	2	0.22	8	0.86	87	2467	6	0.65	181	19.50
38	2381	0	0.00	8	0.86	**88**	**2468**	**9**	**0.97**	**190**	**20.47**
39	2383	1	0.11	9	0.97	89	2470	10	1.08	200	21.55
40	2385	1	0.11	10	1.08	90	2472	3	0.32	203	21.88
41	2387	2	0.22	12	1.29	91	2474	7	0.75	210	22.63
42	2389	2	0.22	14	1.51	92	2476	7	0.75	217	23.38
43	2390	5	0.54	19	2.05	93	2478	5	0.54	222	23.92
44	2392	3	0.32	22	2.37	94	2480	16	1.72	238	25.65
45	2394	3	0.32	25	2.69	95	2481	5	0.54	243	26.19
46	2396	1	0.11	26	2.80	96	2483	9	0.97	252	27.16
47	2398	0	0.00	26	2.80	97	2485	11	1.19	263	28.34
48	2399	0	0.00	26	2.80	98	2487	5	0.54	268	28.88
49	2401	1	0.11	27	2.91	99	2489	12	1.29	280	30.17

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Table A.63: AZELLA Stage V Placement Form Frequency Distribution at Grade 11

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2491	7	0.75	287	30.93	150	2639	9	0.97	892	96.12
101	2493	9	0.97	296	31.90	151	2644	6	0.65	898	96.77
102	2495	11	1.19	307	33.08	152	2650	5	0.54	903	97.31
103	2497	11	1.19	318	34.27	153	2656	5	0.54	908	97.84
104	2499	13	1.40	331	35.67	154	2662	4	0.43	912	98.28
105	2501	12	1.29	343	36.96	155	2669	4	0.43	916	98.71
106	2503	12	1.29	355	38.25	156	2676	1	0.11	917	98.81
107	2506	13	1.40	368	39.66	157	2684	5	0.54	922	99.35
108	**2508**	**14**	**1.51**	**382**	**41.16**	158	2692	1	0.11	923	99.46
109	2510	20	2.16	402	43.32	159	2701	3	0.32	926	99.78
110	2512	12	1.29	414	44.61	160	2710	1	0.11	927	99.89
111	2514	9	0.97	423	45.58	161	2720	0	0.00	927	99.89
112	2517	15	1.62	438	47.20	162	2732	1	0.11	928	100.00
113	2519	11	1.19	449	48.38	163	2745	0	0.00	928	100.00
114	2521	10	1.08	459	49.46	164	2759	0	0.00	928	100.00
115	2523	22	2.37	481	51.83	165	2776	0	0.00	928	100.00
116	2526	11	1.19	492	53.02	166	2795	0	0.00	928	100.00
117	2528	19	2.05	511	55.06	167	2819	0	0.00	928	100.00
118	2530	13	1.40	524	56.47	168	2849	0	0.00	928	100.00
119	2533	14	1.51	538	57.97	169	2889	0	0.00	928	100.00
120	2535	16	1.72	554	59.70	170	2942	0	0.00	928	100.00
121	2538	17	1.83	571	61.53	171	3000	0	0.00	928	100.00
122	2540	15	1.62	586	63.15	172	3000	0	0.00	928	100.00
123	2543	12	1.29	598	64.44						
124	2546	8	0.86	606	65.30						
125	2548	18	1.94	624	67.24						
126	2551	15	1.62	639	68.86						
127	2554	13	1.40	652	70.26						
128	2556	21	2.26	673	72.52						
129	2559	8	0.86	681	73.38						
130	2562	9	0.97	690	74.35						
131	2565	18	1.94	708	76.29						
132	2568	13	1.40	721	77.69						
133	2571	6	0.65	727	78.34						
134	2574	18	1.94	745	80.28						
135	2578	10	1.08	755	81.36						
136	2581	9	0.97	764	82.33						
137	2584	13	1.40	777	83.73						
138	2588	10	1.08	787	84.81						
139	2591	14	1.51	801	86.31						
140	2595	11	1.19	812	87.50						
141	2599	12	1.29	824	88.79						
142	2602	5	0.54	829	89.33						
143	2606	10	1.08	839	90.41						
144	2611	9	0.97	848	91.38						
145	2615	4	0.43	852	91.81						
146	2619	6	0.65	858	92.46						
147	2624	11	1.19	869	93.64						
148	2629	7	0.75	876	94.40						
149	2634	7	0.75	883	95.15						

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Table A.64: AZELLA Stage V Placement Form Frequency Distribution at Grade 12

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	0	0.00	0	0.00	50	2403	2	0.19	23	2.19
1	2137	0	0.00	0	0.00	51	2405	1	0.10	24	2.29
2	2182	0	0.00	0	0.00	52	2406	0	0.00	24	2.29
3	2208	0	0.00	0	0.00	53	2408	3	0.29	27	2.57
4	2227	0	0.00	0	0.00	54	2410	4	0.38	31	2.95
5	2242	0	0.00	0	0.00	55	2412	1	0.10	32	3.05
6	2254	0	0.00	0	0.00	56	2413	4	0.38	36	3.43
7	2265	0	0.00	0	0.00	57	2415	1	0.10	37	3.52
8	2273	0	0.00	0	0.00	58	2417	3	0.29	40	3.81
9	2281	0	0.00	0	0.00	59	2418	1	0.10	41	3.90
10	2288	0	0.00	0	0.00	60	2420	2	0.19	43	4.10
11	2295	0	0.00	0	0.00	61	2422	1	0.10	44	4.19
12	2301	0	0.00	0	0.00	62	2423	2	0.19	46	4.38
13	2306	0	0.00	0	0.00	63	2425	3	0.29	49	4.67
14	2311	0	0.00	0	0.00	**64**	**2427**	**4**	**0.38**	**53**	**5.05**
15	2316	0	0.00	0	0.00	65	2428	1	0.10	54	5.14
16	2320	1	0.10	1	0.10	66	2430	2	0.19	56	5.33
17	2324	0	0.00	1	0.10	67	2432	5	0.48	61	5.81
18	2328	0	0.00	1	0.10	68	2433	4	0.38	65	6.19
19	2332	0	0.00	1	0.10	69	2435	6	0.57	71	6.76
20	2335	0	0.00	1	0.10	70	2437	4	0.38	75	7.14
21	2339	0	0.00	1	0.10	71	2439	4	0.38	79	7.52
22	2342	0	0.00	1	0.10	72	2440	4	0.38	83	7.90
23	2345	0	0.00	1	0.10	73	2442	8	0.76	91	8.67
24	2348	0	0.00	1	0.10	74	2444	5	0.48	96	9.14
25	2351	0	0.00	1	0.10	75	2445	4	0.38	100	9.52
26	2353	0	0.00	1	0.10	76	2447	2	0.19	102	9.71
27	2356	0	0.00	1	0.10	77	2449	4	0.38	106	10.10
28	2359	0	0.00	1	0.10	78	2451	4	0.38	110	10.48
29	2361	0	0.00	1	0.10	79	2452	3	0.29	113	10.76
30	2363	0	0.00	1	0.10	80	2454	2	0.19	115	10.95
31	2366	1	0.10	2	0.19	81	2456	5	0.48	120	11.43
32	2368	1	0.10	3	0.29	82	2458	12	1.14	132	12.57
33	2370	0	0.00	3	0.29	83	2459	10	0.95	142	13.52
34	2373	1	0.10	4	0.38	84	2461	12	1.14	154	14.67
35	2375	1	0.10	5	0.48	85	2463	7	0.67	161	15.33
36	2377	2	0.19	7	0.67	86	2465	11	1.05	172	16.38
37	2379	1	0.10	8	0.76	87	2467	7	0.67	179	17.05
38	2381	3	0.29	11	1.05	**88**	**2468**	**7**	**0.67**	**186**	**17.71**
39	2383	0	0.00	11	1.05	89	2470	9	0.86	195	18.57
40	2385	1	0.10	12	1.14	90	2472	9	0.86	204	19.43
41	2387	0	0.00	12	1.14	91	2474	7	0.67	211	20.10
42	2389	1	0.10	13	1.24	92	2476	9	0.86	220	20.95
43	2390	0	0.00	13	1.24	93	2478	8	0.76	228	21.71
44	2392	2	0.19	15	1.43	94	2480	9	0.86	237	22.57
45	2394	0	0.00	15	1.43	95	2481	9	0.86	246	23.43
46	2396	0	0.00	15	1.43	96	2483	16	1.52	262	24.95
47	2398	4	0.38	19	1.81	97	2485	11	1.05	273	26.00
48	2399	1	0.10	20	1.90	98	2487	23	2.19	296	28.19
49	2401	1	0.10	21	2.00	99	2489	13	1.24	309	29.43

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Table A.64: AZELLA Stage V Placement Form Frequency Distribution at Grade 12

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2491	11	1.05	320	30.48	150	2639	6	0.57	992	94.48
101	2493	16	1.52	336	32.00	151	2644	14	1.33	1006	95.81
102	2495	5	0.48	341	32.48	152	2650	5	0.48	1011	96.29
103	2497	12	1.14	353	33.62	153	2656	11	1.05	1022	97.33
104	2499	9	0.86	362	34.48	154	2662	9	0.86	1031	98.19
105	2501	10	0.95	372	35.43	155	2669	5	0.48	1036	98.67
106	2503	12	1.14	384	36.57	156	2676	5	0.48	1041	99.14
107	2506	13	1.24	397	37.81	157	2684	4	0.38	1045	99.52
108	**2508**	**18**	**1.71**	**415**	**39.52**	158	2692	0	0.00	1045	99.52
109	2510	14	1.33	429	40.86	159	2701	1	0.10	1046	99.62
110	2512	11	1.05	440	41.90	160	2710	1	0.10	1047	99.71
111	2514	17	1.62	457	43.52	161	2720	3	0.29	1050	100.00
112	2517	13	1.24	470	44.76	162	2732	0	0.00	1050	100.00
113	2519	16	1.52	486	46.29	163	2745	0	0.00	1050	100.00
114	2521	16	1.52	502	47.81	164	2759	0	0.00	1050	100.00
115	2523	15	1.43	517	49.24	165	2776	0	0.00	1050	100.00
116	2526	12	1.14	529	50.38	166	2795	0	0.00	1050	100.00
117	2528	17	1.62	546	52.00	167	2819	0	0.00	1050	100.00
118	2530	17	1.62	563	53.62	168	2849	0	0.00	1050	100.00
119	2533	21	2.00	584	55.62	169	2889	0	0.00	1050	100.00
120	2535	23	2.19	607	57.81	170	2942	0	0.00	1050	100.00
121	2538	21	2.00	628	59.81	171	3000	0	0.00	1050	100.00
122	2540	18	1.71	646	61.52	172	3000	0	0.00	1050	100.00
123	2543	13	1.24	659	62.76						
124	2546	16	1.52	675	64.29						
125	2548	14	1.33	689	65.62						
126	2551	14	1.33	703	66.95						
127	2554	20	1.90	723	68.86						
128	2556	14	1.33	737	70.19						
129	2559	13	1.24	750	71.43						
130	2562	13	1.24	763	72.67						
131	2565	11	1.05	774	73.71						
132	2568	7	0.67	781	74.38						
133	2571	13	1.24	794	75.62						
134	2574	12	1.14	806	76.76						
135	2578	21	2.00	827	78.76						
136	2581	9	0.86	836	79.62						
137	2584	10	0.95	846	80.57						
138	2588	16	1.52	862	82.10						
139	2591	10	0.95	872	83.05						
140	2595	11	1.05	883	84.10						
141	2599	20	1.90	903	86.00						
142	2602	19	1.81	922	87.81						
143	2606	13	1.24	935	89.05						
144	2611	7	0.67	942	89.71						
145	2615	10	0.95	952	90.67						
146	2619	10	0.95	962	91.62						
147	2624	6	0.57	968	92.19						
148	2629	7	0.67	975	92.86						
149	2634	11	1.05	986	93.90						

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A.4 Reliability

In this section, which corresponds to Section 10.1, two types of reliability for the AZELLA Placement tests are presented: internal consistency and reliability of scoring for all open-ended items.

Coefficient alpha (Crocker & Algina, 1986; Cronbach, 1951), which is a measure of internal consistency, for the Kindergarten Placement Test was 0.952 based on the first operational administration in the 2012-2013 school year. Note that coefficient alpha for domains was not computed for the Kindergarten Placement Test since only the total score was reported. Coefficient Alphas, computed based on the spring 2013 calibration sample for Total Combined and four domains (Listening, Speaking, Reading, and Writing) for the Stage II through V Placement tests, are presented in Table A.65.

Table A.65: Coefficient Alpha for the AZELLA Stage II through V Placement Assessments

	Total	Domain			
Stage	Combined	Listening	Speaking	Reading	Writing
II	0.905	0.673	0.803	0.806	0.764
III	0.896	0.586	0.876	0.754	0.796
IV	0.881	0.583	0.900	0.710	0.739
V	0.922	0.696	0.903	0.810	0.790

Cohen's kappa (Cohen, 1960) and interaclass correlation (Shrout and Fleiss, 1979) are presented as indices of interrater reliability for open-ended items in Table A.66 through Table A.76 for the Stages II through V Placement tests. Those statistics were computed based on the spring 2013 calibration sample. Note that the interrater reliability was not computed for the Kindergarten Placement Test because each open-ended item was scored by one test administrator.

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Table A.66: Interrater Reliability Statistics for Items in Reading on Stage II

Item	Item Type	Max	Kappa	Intraclass Correlation
50	SA1	1	0.23	0.28
51	SA1	1	0.12	-0.08
52	SA3	3	0.34	0.77

Note: SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item.

Table A.67: Interrater Reliability Statistics for Items in Writing on Stage II

Item	Item Type	Max	Kappa	Intraclass Correlation
48	ER	3	0.55	0.87
49	ER	3	0.58	0.89

Note: ER=Extended Response Item.

Table A.68: Interrater Reliability Statistics for Items in Speaking on Stage II

Item	Item Type	Max	Kappa	Intraclass Correlation
53	SA4	4	0.10	0.73
54	SA4	4	0.09	0.63
55	SA4	4	0.09	0.62
56	SA4	4	0.23	0.83
57	SA4	4	0.27	0.76
58	SA4	4	0.02	0.40
59	SA4	4	-0.09	0.21

Note: SA4=4 Point Short Answer Item.

Table A.69: Interrater Reliability Statistics for Items in Reading on Stage III

Item	Item Type	Max	Kappa	Intraclass Correlation
56	SA1	1	0.19	0.22
57	SA1	1	0.54	0.70
58	SA1	1	0.30	0.38

Note: SA1=1 Point Short Answer Item.

Table A.70: Interrater Reliability Statistics for Items in Writing on Stage III

Item	Item Type	Max	Kappa	Intraclass Correlation
54	ER	5	0.43	0.83
55	ER	5	0.42	0.88

Note: ER=Extended Response Item.

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Table A.71: Interrater Reliability Statistics for Items in Speaking on Stage III

Item	Item Type	Max	Kappa	Intraclass Correlation
59	SA4	4	0.10	0.52
60	SA4	4	0.09	0.59
61	SA4	4	0.08	0.66
62	SA4	4	0.14	0.73
63	SA4	4	0.20	0.81
64	SA4	4	0.18	0.71
65	SA4	4	0.28	0.76

Note: SA4=4 Point Short Answer Item.

Table A.72: Interrater Reliability Statistics for Items in Reading on Stage IV

Item	Item Type	Max	Kappa	Intraclass Correlation
61	SA1	1	0.35	0.51
62	SA1	1	0.25	0.29

Note: SA1=1 Point Short Answer Item.

Table A.73: Interrater Reliability Statistics for Items in Writing on Stage IV

Item	Item Type	Max	Kappa	Intraclass Correlation
59	ER	5	0.42	0.86
60	ER	5	0.41	0.87

Note: ER=Extended Item.

Table A.74: Interrater Reliability Statistics for Items in Speaking on Stage IV

Item	Item Type	Max	Kappa	Intraclass Correlation
63	SA4	4	0.06	0.39
64	SA4	4	0.40	0.79
65	SA4	4	0.28	0.79
66	SA4	4	0.18	0.67
67	SA4	4	0.15	0.78
68	SA4	4	0.23	0.77
69	SA4	4	0.35	0.82

Note: SA4=4 Point Short Answer Item.

Table A.75: Interrater Reliability Statistics for Items in Writing on Stage V

Item	Item Type	Max	Kappa	Intraclass Correlation
61	ER	5	0.48	0.89
62	ER	5	0.41	0.85

Note: ER=Extended Item.

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Table A.76: Interrater Reliability Statistics for Items in Speaking on Stage V

Item	Item Type	Max	Kappa	Intraclass Correlation
63	SA4	4	0.20	0.78
64	SA4	4	0.34	0.83
65	SA4	4	0.26	0.79
66	SA4	4	0.20	0.77
67	SA4	4	0.29	0.79
68	SA4	4	0.33	0.89
69	SA4	4	0.37	0.84

Note: SA4=4 Point Short Answer Item.

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A.4 DIF

This section, which corresponds to 10.2.1, presents DIF statistics for the AZELLA Placement tests. DIF statistics by the Mantal-Haenszel method (Holland & Thayer, 1988; Mantel & Haenszel, 1959) and SMD (Zwick et al., 1993) are presented in Table A.77 throught Table A.127.

Table A.77: DIF Statistics in Prereading on Kindergarten Placement Test

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: ELL Reference Group: Non-ELL					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
18	PR1	136	120	0.06	-0.19	0.00	A	215	41	0.07	-0.34	-0.12	A	256	227	5.62	1.58	0.22	A
33	PR1	330	280	1.68	0.55	0.10	A	511	101	2.43	-0.90	-0.14	A	612	371	1.78	0.50	0.08	A
34	PR1	136	120	0.27	-0.35	-0.04	A	215	41	5.77	-2.33	-0.49	A	256	227	0.04	0.10	-0.05	A
35	PR1	136	120	0.50	0.47	0.07	A	215	41	0.94	-0.89	-0.06	A	256	227	0.19	0.23	0.00	A
38	OR3	194	160	10.58		0.19	A	296	60	1.65		-0.03	A	356	144	5.49		-0.19	A

Note: OR=1 Point Oral Response Item , PR1=1 Point Physical Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.78: DIF Statistics in Prewriting on Kindergarten Placement Test

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: ELL Reference Group: Non-ELL					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
16	PR1	136	120	0.51	0.69	0.06	A	215	41	1.21	-2.67	-0.08	A	256	227	0.08	-0.24	-0.16	A
17	PR1	136	120	0.11	0.32	0.03	A	215	41	0.03	-0.39	0.18	A	256	227	1.09	-0.94	-0.34	A

Note: PR1=1 Point Physical Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.79: DIF Statistics in Listening on Kindergarten Placement Test

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: ELL Reference Group: Non-ELL					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	OR1	330	280	4.19	2.08	0.16	A	511	101	1.35	-2.00	-0.13	A	612	371	0.99	1.13	0.10	A
2	OR1	194	160	1.46	0.85	0.11	A	296	60	0.32	0.52	0.03	A	356	144	8.13	-2.83	-0.44	C<
3	OR1	330	280	1.57	-0.78	-0.09	A	511	101	2.93	1.34	0.17	A	612	371	2.65	-1.31	-0.17	A
4	OR1	136	120	2.35	-1.20	-0.15	A	215	41	0.55	-0.97	-0.06	A	256	227	2.29	-1.16	-0.09	A
5	OR1	194	160	0.64	0.64	0.08	A	296	60	1.45	1.14	0.10	A	356	144	1.38	-1.46	-0.16	A
6	OR1	136	120	0.38	-0.52	-0.08	A	215	41	0.07	0.32	0.07	A	256	227	5.10	-1.56	-0.33	A
7	PR1	330	280	0.24	-0.31	-0.04	A	511	101	0.58	-0.64	-0.09	A	612	371	0.77	-0.67	-0.15	A
8	PR1	136	120	1.67	1.33	0.15	A	215	41	0.66	-1.78	-0.33	A	256	227	0.24	-0.57	-0.15	A
9	PR2	136	120	0.22		0.01	A	215	41	3.06		0.21	A	256	227	3.42		0.19	A
10	PR2	136	120	11.26		0.27	C>	215	41	1.84		-0.14	A	256	227	6.00		-0.37	A
11	OR1	136	120	0.27	0.48	0.04	A	215	41	0.09	-0.48	-0.08	A	256	227	0.67	-0.71	-0.17	A
12	OR1	136	120	1.34	-1.38	-0.11	A	215	41	2.31		-0.41		256	227	3.31	-3.10	-0.33	A
13	OR1	136	120	0.66	-0.94	-0.06	A	215	41	0.14	-0.88	-0.31	A	256	227	2.78	-2.89	-0.30	A
14	OR1	136	120	5.53	-3.18	-0.24	A	215	41	1.58		-0.34		256	227	2.74	-3.75	-0.28	A
15	OR1	136	120	5.91	-2.52	-0.22	A	215	41	2.58	-4.35	-0.29	A	256	227	11.68	-5.00	-0.51	C<
19	PR1	136	120	0.00	-0.02	-0.01	A	215	41	0.30	0.48	0.00	A	256	227	0.81	0.46	-0.01	A
20	OR1	330	280	0.02	-0.10	-0.01	A	511	101	1.64	1.21	0.13	A	612	371	0.36	-0.60	-0.05	A
21	OR1	194	160	0.19	0.54	0.04	A	296	60	0.67	-1.30	-0.09	A	356	144	0.04	-0.39	-0.06	A
22	OR1	136	120	1.62	-1.68	-0.12	A	215	41	6.48	5.42	0.60	A	256	227	0.01	-0.14	-0.15	A
23	OR1	194	160	0.60	0.56	0.06	A	296	60	4.42	1.59	0.21	A	356	144	0.00	-0.02	0.06	A
24	OR1	194	160	1.30	-0.80	-0.11	A	296	60	6.19	2.08	0.25	A	356	144	0.00	-0.05	0.05	A
25	OR1	136	120	0.20	-0.34	-0.04	A	215	41	2.25	1.50	0.22	A	256	227	7.25	-1.41	-0.23	B<
26	OR1	330	280	2.90	1.03	0.11	A	511	101	2.93	-1.67	-0.17	A	612	371	5.27	1.32	0.27	A
27	OR1	136	120	0.08	0.31	0.03	A	215	41	0.58	-1.78	-0.35	A	256	227	0.03	-0.18	-0.05	A
28	OR1	194	160	0.34	0.45	0.05	A	296	60	0.29	-0.55	-0.08	A	356	144	0.50	0.73	0.05	A
29	OR1	330	280	0.03	-0.08	-0.01	A	511	101	0.64	-0.45	-0.07	A	612	371	4.90	-1.05	-0.08	A
30	OR1	194	160	0.05	-0.15	-0.02	A	296	60	1.59	1.13	0.11	A	356	144	0.46	-0.65	-0.07	A
31	OR1	136	120	0.87	-0.65	-0.09	A	215	41	2.69	1.46	0.16	A	256	227	2.25	-0.94	-0.07	A
32	OR1	136	120	0.07	0.21	0.02	A	215	41	1.49	1.34	0.15	A	256	227	0.06	0.18	0.10	A
36	PR1	194	160	0.67	0.46	0.08	A	296	60	0.07	-0.20	-0.08	A	356	144	2.41	-1.00	-0.04	A
37	PR1	194	160	0.67	0.52	0.07	A	296	60	0.09	0.23	0.01	A	356	144	1.10	-0.82	-0.05	A

Note: OR1=1 Point Oral Response Item, PR1=1 Point Physical Response Items, PR2=2 Point Physical Response Items, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.80: DIF Statistics based on ELL Students for Items in Reading on Stage II

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	13574	15360	0.06	-0.02	0.00	A	25070	3869	0.05	0.02	0.01	A	1961	26978	3.48	0.25	0.04	A	2629	26310	0.32	-0.06	-0.01	A
16	MC	13574	15360	3.12	-0.13	-0.02	A	25070	3869	14.65	0.39	0.06	A	1961	26978	0.24	-0.07	-0.01	A	2629	26310	2.10	0.16	0.03	A
17	MC	6755	7727	2.12	-0.14	-0.02	A	12589	1894	24.01	-0.76	-0.12	A	1011	13472	8.90	0.61	0.09	A	1370	13113	0.00	0.01	0.00	A
18	MC	6755	7727	0.47	-0.06	-0.01	A	12589	1894	0.81	-0.11	-0.02	A	1011	13472	8.06	-0.46	-0.09	A	1370	13113	4.36	0.29	0.06	A
19	MC	6755	7727	0.00	0.00	0.00	A	12589	1894	0.00	0.00	0.00	A	1011	13472	0.93	-0.19	-0.03	A	1370	13113	0.02	0.02	0.00	A
20	MC	6755	7727	15.30	0.45	0.05	A	12589	1894	1.50	-0.21	-0.03	A	1011	13472	0.79	0.21	0.02	A	1370	13113	1.09	-0.18	-0.03	A
21	MC	6755	7727	7.05	0.26	0.04	A	12589	1894	1.79	-0.20	-0.03	A	1011	13472	0.21	0.09	0.01	A	1370	13113	2.75	-0.26	-0.04	A
22	MC	6755	7727	6.72	0.24	0.04	A	12589	1894	0.44	0.09	0.01	A	1011	13472	2.56	0.29	0.05	A	1370	13113	0.17	-0.06	-0.02	A
23	MC	6755	7727	0.40	0.05	0.01	A	12589	1894	0.21	-0.06	-0.01	A	1011	13472	0.86	0.15	0.03	A	1370	13113	0.11	-0.05	-0.01	A
24	MC	6755	7727	0.10	0.03	0.01	A	12589	1894	0.12	0.05	0.01	A	1011	13472	4.68	0.41	0.06	A	1370	13113	0.03	0.03	0.01	A
25	MC	6755	7727	46.71	0.67	0.09	A	12589	1894	1.42	-0.17	-0.02	A	1011	13472	1.84	0.26	0.04	A	1370	13113	2.01	0.23	0.03	A
26	MC	6755	7727	2.05	0.12	0.02	A	12589	1894	0.07	-0.03	-0.01	A	1011	13472	0.59	-0.13	-0.02	A	1370	13113	6.09	-0.36	-0.06	A
27	MC	6755	7727	0.82	0.08	0.01	A	12589	1894	0.28	0.07	0.01	A	1011	13472	0.33	-0.10	-0.02	A	1370	13113	0.57	0.11	0.02	A
28	MC	6755	7727	2.69	0.16	0.02	A	12589	1894	0.52	-0.10	-0.02	A	1011	13472	0.00	0.01	0.00	A	1370	13113	0.01	0.01	0.00	A
29	MC	13574	15360	8.60	-0.18	-0.04	A	25070	3869	0.01	-0.01	0.00	A	1961	26978	0.30	0.07	0.01	A	2629	26310	0.68	-0.09	-0.02	A
30	MC	13574	15360	2.91	0.10	0.02	A	25070	3869	0.05	-0.02	0.00	A	1961	26978	0.16	-0.05	-0.01	A	2629	26310	0.03	-0.02	0.00	A
31	MC	13574	15360	95.30	-0.59	-0.11	A	25070	3869	8.22	-0.26	-0.04	A	1961	26978	5.35	0.27	0.05	A	2629	26310	13.27	0.39	0.07	A
32	MC	6755	7727	2.29	0.16	0.02	A	12589	1894	1.03	-0.17	-0.02	A	1011	13472	3.29	0.38	0.05	A	1370	13113	0.02	0.02	0.00	A
33	MC	6755	7727	6.87	0.22	0.04	A	12589	1894	2.25	0.19	0.04	A	1011	13472	0.56	0.12	0.02	A	1370	13113	2.06	0.21	0.04	A
34	MC	6755	7727	0.22	-0.04	-0.01	A	12589	1894	1.14	-0.14	-0.02	A	1011	13472	0.08	0.05	0.01	A	1370	13113	14.41	0.56	0.10	A
50	SA1	6755	7727	11.19	-0.30	-0.06	A	12589	1894	3.22	0.24	0.04	A	1011	13472	0.95	-0.17	-0.03	A	1370	13113	0.05	-0.04	0.00	A
51	SA1	6755	7727	32.12	-0.77	-0.10	A	12589	1894	23.52	1.11	0.12	B>	1011	13472	2.18	-0.41	-0.05	A	1370	13113	1.97	-0.36	-0.04	A
52	SA3	6755	7727	125.62		-0.16	A	12589	1894	2.18		0.00	A	1011	13472	22.10		-0.12	A	1370	13113	11.63		0.06	A

Note: MC=Multiple-choice Items, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.81: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage II

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	20293	8646	10.66	-0.24	-0.04	A	20293	4344	34.46	-0.58	-0.09	A	4302	4344	24.67	-0.62	-0.11	A	262	4344	11.64	-1.17	-0.22	B<
16	MC	20293	8646	6.76	0.20	0.03	A	20293	4344	0.21	0.05	0.01	A	4302	4344	5.43	-0.30	-0.04	A	262	4344	0.15	0.14	0.02	A
17	MC	10159	4324	6.33	-0.27	-0.04	A	10159	2215	8.21	-0.41	-0.06	A	2109	2215	1.36	-0.21	-0.04	A	93	2215	0.19	-0.26	-0.04	A
18	MC	10159	4324	2.90	-0.15	-0.03	A	10159	2215	0.80	-0.10	-0.02	A	2109	2215	0.53	0.11	0.02	A	93	2215	4.93	-1.17	-0.23	A
19	MC	10159	4324	1.03	-0.11	-0.02	A	10159	2215	0.22	0.07	0.01	A	2109	2215	4.72	0.40	0.06	A	93	2215	0.04	0.13	0.02	A
20	MC	10159	4324	0.52	0.09	0.01	A	10159	2215	0.42	0.11	0.01	A	2109	2215	0.01	0.02	0.00	A	93	2215	0.31	0.38	0.05	A
21	MC	10159	4324	0.23	0.05	0.01	A	10159	2215	0.33	0.08	0.01	A	2109	2215	0.10	0.06	0.00	A	93	2215	0.32	0.33	0.05	A
22	MC	10159	4324	0.05	-0.02	0.00	A	10159	2215	1.54	-0.16	-0.03	A	2109	2215	2.47	-0.27	-0.04	A	93	2215	0.00	0.00	0.00	A
23	MC	10159	4324	0.00	0.00	0.00	A	10159	2215	2.61	-0.19	-0.04	A	2109	2215	7.00	-0.41	-0.07	A	93	2215	2.51	0.88	0.16	A
24	MC	10159	4324	0.02	-0.02	0.00	A	10159	2215	0.00	0.00	0.00	A	2109	2215	0.03	0.03	0.00	A	93	2215	0.01	0.06	0.01	A
25	MC	10159	4324	1.48	0.13	0.02	A	10159	2215	5.96	0.34	0.05	A	2109	2215	4.99	0.40	0.06	A	93	2215	0.36	0.33	0.05	A
26	MC	10159	4324	0.00	0.00	0.00	A	10159	2215	0.00	0.00	0.00	A	2109	2215	0.01	0.02	0.00	A	93	2215	2.47	0.81	0.15	A
27	MC	10159	4324	0.81	-0.09	-0.01	A	10159	2215	0.26	-0.06	-0.01	A	2109	2215	0.05	0.04	0.01	A	93	2215	0.50	-0.40	-0.07	A
28	MC	10159	4324	0.00	0.00	0.00	A	10159	2215	0.06	-0.03	-0.01	A	2109	2215	0.14	-0.06	-0.01	A	93	2215	4.00	-1.11	-0.20	A
29	MC	20293	8646	1.14	0.07	0.01	A	20293	4344	1.83	0.12	0.02	A	4302	4344	0.69	0.09	0.01	A	262	4344	0.12	0.12	0.02	A
30	MC	20293	8646	0.01	-0.01	0.00	A	20293	4344	0.02	-0.01	0.00	A	4302	4344	0.00	0.00	0.00	A	262	4344	0.12	-0.10	-0.02	A
31	MC	20293	8646	0.08	-0.02	0.00	A	20293	4344	0.22	0.04	0.01	A	4302	4344	1.53	0.14	0.02	A	262	4344	6.28	0.83	0.15	A
32	MC	10159	4324	0.26	0.06	0.01	A	10159	2215	1.68	0.20	0.02	A	2109	2215	1.71	0.26	0.03	A	93	2215	0.47	0.45	0.06	A
33	MC	10159	4324	2.05	0.13	0.02	A	10159	2215	1.93	0.17	0.03	A	2109	2215	0.17	0.06	0.01	A	93	2215	2.00	0.71	0.14	A
34	MC	10159	4324	0.54	-0.07	-0.01	A	10159	2215	0.02	0.02	0.00	A	2109	2215	1.15	0.17	0.03	A	93	2215	1.58	0.70	0.12	A
50	SA1	10159	4324	0.52	0.07	0.01	A	10159	2215	0.55	0.09	0.02	A	2109	2215	0.13	0.06	0.01	A	93	2215	1.24	0.63	0.11	A
51	SA1	10159	4324	8.09	0.43	0.05	A	10159	2215	2.09	0.28	0.03	A	2109	2215	1.23	-0.29	-0.04	A	93	2215	5.15	-3.51	-0.24	A
52	SA3	10159	4324	8.99		0.05	A	10159	2215	17.17		0.08	A	2109	2215	9.85		0.07	A	93	2215	4.46		-0.19	A

Note: MC=Multiple-choice Items, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.82: DIF Statistics based on ELL and FEP Students for Items in Reading on Stage II

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	12407	28939	45.27	0.55	0.06	A	4	41342	0.27	1.46	0.30	A
16	MC	12407	28939	98.20	1.02	0.07	B>	4	41342	0.05	-0.60	-0.13	A
17	MC	6489	14483	14.00	0.45	0.04	A	1	20971	0.83		1.13	
18	MC	6489	14483	0.96	0.09	0.03	A	1	20971	0.84		-0.95	
19	MC	6489	14483	2.62	0.20	0.02	A	1	20971	1.53		-1.55	
20	MC	6489	14483	14.69	0.65	0.03	A	1	20971	0.87		1.30	
21	MC	6489	14483	19.90	0.57	0.04	A	1	20971	0.49		-0.74	
22	MC	6489	14483	4.50	0.23	0.03	A	1	20971	0.54		-0.76	
23	MC	6489	14483	36.81	0.55	0.09	A	1	20971	2.42		1.43	
24	MC	6489	14483	2.53	0.19	0.02	A	1	20971	0.72		-0.95	
25	MC	6489	14483	6.02	0.28	0.03	A	1	20971	0.27		-0.45	
26	MC	6489	14483	31.91	0.53	0.09	A	1	20971	2.38		1.43	
27	MC	6489	14483	4.32	0.22	0.02	A	1	20971	1.87		1.40	
28	MC	6489	14483	1.27	0.13	0.01	A	1	20971	0.60		-0.85	
29	MC	12407	28939	39.42	0.38	0.12	A	4	41342	1.14		-0.46	
30	MC	12407	28939	39.09	0.43	0.07	A	4	41342	3.05	4.35	0.83	A
31	MC	12407	28939	34.14	0.38	0.08	A	4	41342	0.08	-0.74	-0.13	A
32	MC	6489	14483	4.27	0.31	0.02	A	1	20971	0.49		-0.79	
33	MC	6489	14483	3.78	0.18	0.04	A	1	20971	0.41		-0.58	
34	MC	6489	14483	2.82	0.16	0.04	A	1	20971	0.37		-0.54	
50	SA1	6489	14483	1.35	-0.10	0.00	A	1	20971	0.20		-0.36	
51	SA1	6489	14483	0.23	-0.06	-0.01	A	1	20971	0.08		-0.23	
52	SA3	6489	14483	20.79		0.08	A	1	20971	1.03		-0.65	A

Note: MC=Multiple-choice Items, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.83: DIF Statistics based on ELL Students for Items in Writing on Stage II

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
35	MC	13574	15360	19.02	0.33	0.04	A	25070	3869	1.90	-0.16	-0.02	A	1961	26978	0.48	0.11	0.01	A	2629	26310	1.26	-0.13	-0.02	A
36	MC	6755	7727	2.68	0.13	0.03	A	12589	1894	11.90	-0.42	-0.08	A	1011	13472	1.25	-0.18	-0.04	A	1370	13113	0.04	0.03	0.00	A
37	MC	6755	7727	31.74	0.47	0.09	A	12589	1894	8.72	-0.36	-0.07	A	1011	13472	0.48	0.11	0.02	A	1370	13113	1.98	0.20	0.04	A
38	MC	6755	7727	0.42	0.06	0.01	A	12589	1894	4.02	0.28	0.04	A	1011	13472	0.03	0.03	0.01	A	1370	13113	1.68	-0.19	-0.03	A
39	MC	6755	7727	2.20	-0.12	-0.02	A	12589	1894	6.19	0.31	0.06	A	1011	13472	0.72	-0.14	-0.03	A	1370	13113	5.92	-0.34	-0.06	A
40	MC	6755	7727	0.05	0.02	0.00	A	12589	1894	1.76	-0.16	-0.03	A	1011	13472	1.78	-0.22	-0.04	A	1370	13113	15.88	-0.58	-0.11	A
41	MC	6755	7727	7.69	0.27	0.04	A	12589	1894	1.42	-0.18	-0.02	A	1011	13472	0.06	0.05	0.01	A	1370	13113	0.59	-0.12	-0.02	A
42	MC	13574	15360	6.45	0.16	0.03	A	25070	3869	0.01	-0.01	0.00	A	1961	26978	0.10	-0.04	-0.01	A	2629	26310	10.30	-0.34	-0.06	A
43	MC	6755	7727	0.41	0.06	0.01	A	12589	1894	0.43	-0.09	-0.01	A	1011	13472	0.08	-0.05	-0.01	A	1370	13113	4.34	-0.33	-0.05	A
44	MC	13574	15360	7.21	-0.16	-0.03	A	25070	3869	17.40	-0.35	-0.07	A	1961	26978	0.02	0.02	0.00	A	2629	26310	3.04	0.18	0.04	A
45	MC	6755	7727	9.28	0.27	0.05	A	12589	1894	13.04	0.48	0.08	A	1011	13472	3.35	0.32	0.05	A	1370	13113	8.25	-0.41	-0.08	A
46	MC	6755	7727	0.20	-0.04	-0.01	A	12589	1894	11.53	0.41	0.07	A	1011	13472	0.02	-0.02	0.00	A	1370	13113	27.37	-0.78	-0.14	A
47	MC	13574	15360	0.31	-0.03	-0.01	A	25070	3869	13.08	-0.31	-0.06	A	1961	26978	2.50	-0.18	-0.04	A	2629	26310	27.21	0.54	0.10	A
48	ER	6755	7727	74.64		0.10	A	12589	1894	19.06		0.08	A	1011	13472	11.21		-0.06	A	1370	13113	75.34		-0.21	B<
49	ER	6755	7727	109.03		0.13	A	12589	1894	18.57		0.05	A	1011	13472	3.32		0.04	A	1370	13113	93.03		-0.22	B<

Note: MC=Multiple-choice Items, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.84: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage II

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
35	MC	20293	8646	0.02	0.01	0.00	A	20293	4344	0.26	0.06	0.01	A	4302	4344	0.57	0.11	0.01	A	262	4344	6.28	1.06	0.15	A
36	MC	10159	4324	4.68	-0.19	-0.04	A	10159	2215	0.01	-0.01	0.00	A	2109	2215	6.96	0.40	0.08	A	93	2215	0.25	-0.26	-0.05	A
37	MC	10159	4324	0.51	-0.06	-0.01	A	10159	2215	0.04	0.02	0.00	A	2109	2215	1.53	0.19	0.04	A	93	2215	0.39	0.31	0.07	A
38	MC	10159	4324	4.89	0.22	0.04	A	10159	2215	0.34	0.08	0.01	A	2109	2215	3.45	-0.31	-0.05	A	93	2215	0.11	-0.19	-0.03	A
39	MC	10159	4324	2.40	0.14	0.03	A	10159	2215	3.21	0.21	0.04	A	2109	2215	0.79	0.14	0.03	A	93	2215	2.23	-0.76	-0.15	A
40	MC	10159	4324	2.19	-0.13	-0.03	A	10159	2215	0.24	-0.06	-0.01	A	2109	2215	1.15	0.16	0.03	A	93	2215	0.42	-0.34	-0.07	A
41	MC	10159	4324	0.72	-0.09	-0.01	A	10159	2215	0.11	-0.05	-0.01	A	2109	2215	0.43	0.12	0.01	A	93	2215	0.46	0.45	0.07	A
42	MC	20293	8646	0.03	0.01	0.00	A	20293	4344	1.70	0.12	0.02	A	4302	4344	3.53	0.22	0.04	A	262	4344	1.88	0.44	0.08	A
43	MC	10159	4324	2.68	-0.17	-0.03	A	10159	2215	2.02	-0.19	-0.03	A	2109	2215	0.12	-0.06	-0.01	A	93	2215	4.75	-1.22	-0.20	A
44	MC	20293	8646	1.77	-0.09	-0.02	A	20293	4344	0.77	0.07	0.01	A	4302	4344	9.43	0.33	0.06	A	262	4344	0.13	0.12	0.02	A
45	MC	10159	4324	11.95	0.34	0.06	A	10159	2215	4.38	0.26	0.04	A	2109	2215	0.74	-0.14	-0.03	A	93	2215	0.09	-0.16	-0.03	A
46	MC	10159	4324	2.36	0.14	0.03	A	10159	2215	0.01	0.01	0.00	A	2109	2215	3.65	-0.29	-0.05	A	93	2215	4.71	-1.15	-0.21	A
47	MC	20293	8646	2.13	-0.09	-0.02	A	20293	4344	1.18	0.09	0.02	A	4302	4344	12.84	0.39	0.07	A	262	4344	1.46	-0.39	-0.07	A
48	ER	10159	4324	55.06		0.09	A	10159	2215	9.96		0.05	A	2109	2215	19.38		-0.08	A	93	2215	0.07		0.02	A
49	ER	10159	4324	51.97		0.09	A	10159	2215	17.98		0.07	A	2109	2215	17.86		-0.04	A	93	2215	3.62		0.13	A

Note: MC=Multiple-choice Items, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.85: DIF Statistics based on ELL and FEP Students for Items in Writing on Stage II

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
35	MC	12407	28939	34.14	0.66	0.04	A	4	41342	2.25	-3.22	-0.94	A
36	MC	6489	14483	1.53	0.10	0.04	A	1	20971	0.38		-0.55	
37	MC	6489	14483	3.74	0.17	0.04	A	1	20971	0.60		-0.77	
38	MC	6489	14483	10.87	0.39	0.03	A	1	20971	1.44		1.33	
39	MC	6489	14483	1.67	0.12	0.02	A	1	20971	0.63		-0.79	
40	MC	6489	14483	3.38	0.16	0.03	A	1	20971	0.42		-0.59	
41	MC	6489	14483	12.78	0.45	0.03	A	1	20971	0.80		-1.07	
42	MC	12407	28939	1.11	0.08	0.02	A	4	41342	6.18		1.27	
43	MC	6489	14483	3.36	0.19	0.03	A	1	20971	0.36		-0.55	
44	MC	12407	28939	0.62	0.05	0.03	A	4	41342	0.05	-0.58	-0.10	A
45	MC	6489	14483	0.05	0.02	0.01	A	1	20971	1.53		1.31	
46	MC	6489	14483	4.64	0.19	0.05	A	1	20971	0.36		-0.53	
47	MC	12407	28939	56.83	0.47	0.10	A	4	41342	0.08	-0.71	-0.13	A
48	ER	6489	14483	130.20		0.10	A	1	20971	1.23		0.67	A
49	ER	6489	14483	74.19		0.09	A	1	20971	1.68		-0.28	A

Note: MC= Multiple-choice Item, ER=Extended Response Item , NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.86: DIF Statistics based on ELL Students for Items in Listening on Stage II

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	6755	7727	7.59	-0.24	-0.05	A	12589	1894	0.22	-0.06	-0.01	A	1011	13472	12.03	0.61	0.11	A	1370	13113	4.22	-0.29	-0.06	A
2	MC	6755	7727	0.09	0.02	0.00	A	12589	1894	4.57	-0.27	-0.05	A	1011	13472	2.06	0.24	0.04	A	1370	13113	0.98	-0.14	-0.03	A
3	MC	6755	7727	5.99	-0.21	-0.04	A	12589	1894	6.91	-0.33	-0.06	A	1011	13472	0.67	-0.14	-0.03	A	1370	13113	0.22	-0.07	-0.01	A
4	MC	6755	7727	1.53	-0.11	-0.02	A	12589	1894	1.74	-0.17	-0.03	A	1011	13472	0.18	0.07	0.01	A	1370	13113	0.20	-0.07	-0.01	A
5	MC	13574	15360	2.74	0.10	0.02	A	25070	3869	32.18	-0.49	-0.09	A	1961	26978	6.11	0.29	0.06	A	2629	26310	0.00	0.00	0.00	A
6	MC	6755	7727	15.99	-0.33	-0.06	A	12589	1894	10.49	-0.39	-0.08	A	1011	13472	0.01	0.02	0.00	A	1370	13113	0.65	0.11	0.02	A
7	MC	6755	7727	1.79	0.12	0.02	A	12589	1894	10.19	0.41	0.08	A	1011	13472	33.57	-0.95	-0.18	A	1370	13113	13.31	-0.52	-0.11	A
8	MC	6755	7727	10.50	-0.37	-0.05	A	12589	1894	11.60	0.56	0.08	A	1011	13472	0.07	-0.06	-0.01	A	1370	13113	23.15	-0.81	-0.15	A
9	MC	6755	7727	26.41	0.57	0.08	A	12589	1894	5.97	0.39	0.06	A	1011	13472	1.12	0.24	0.03	A	1370	13113	16.51	-0.68	-0.13	A
10	MC	13574	15360	10.13	0.33	0.03	A	25070	3869	23.12	0.68	0.08	A	1961	26978	3.86	0.42	0.04	A	2629	26310	30.92	-0.80	-0.13	A
11	MC	6755	7727	0.12	-0.04	-0.01	A	12589	1894	3.24	0.30	0.04	A	1011	13472	3.16	-0.39	-0.05	A	1370	13113	19.31	-0.74	-0.14	A
12	MC	6755	7727	0.64	-0.07	-0.01	A	12589	1894	15.67	-0.50	-0.09	A	1011	13472	10.32	0.52	0.10	A	1370	13113	1.31	0.16	0.03	A
13	MC	6755	7727	13.85	-0.38	-0.06	A	12589	1894	1.24	-0.18	-0.02	A	1011	13472	0.20	-0.09	-0.01	A	1370	13113	7.89	-0.44	-0.09	A
14	MC	13574	15360	0.01	0.01	0.00	A	25070	3869	0.19	0.04	0.01	A	1961	26978	2.32	-0.18	-0.03	A	2629	26310	4.18	0.23	0.04	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.87: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage II

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	10159	4324	0.88	-0.09	-0.02	A	10159	2215	1.05	-0.13	-0.02	A	2109	2215	0.07	-0.04	-0.01	A	93	2215	3.89	1.14	0.21	A
2	MC	10159	4324	1.48	-0.11	-0.02	A	10159	2215	0.15	-0.05	-0.01	A	2109	2215	1.02	0.16	0.03	A	93	2215	0.12	-0.19	-0.03	A
3	MC	10159	4324	7.08	-0.25	-0.04	A	10159	2215	5.27	-0.27	-0.05	A	2109	2215	0.07	-0.04	-0.01	A	93	2215	2.90	0.92	0.17	A
4	MC	10159	4324	6.26	-0.23	-0.04	A	10159	2215	4.65	-0.26	-0.05	A	2109	2215	0.17	-0.06	-0.01	A	93	2215	1.11	0.57	0.10	A
5	MC	20293	8646	25.01	-0.32	-0.06	A	20293	4344	5.32	-0.19	-0.03	A	4302	4344	6.17	0.27	0.05	A	262	4344	4.69	0.69	0.13	A
6	MC	10159	4324	13.66	-0.33	-0.06	A	10159	2215	6.27	-0.29	-0.06	A	2109	2215	0.49	0.10	0.02	A	93	2215	8.00	1.52	0.29	C>
7	MC	10159	4324	0.79	0.08	0.02	A	10159	2215	0.52	-0.09	-0.01	A	2109	2215	4.17	-0.33	-0.06	A	93	2215	3.11	-0.92	-0.18	A
8	MC	10159	4324	5.52	0.29	0.04	A	10159	2215	0.19	0.07	0.01	A	2109	2215	3.82	-0.40	-0.06	A	93	2215	0.22	-0.33	-0.05	A
9	MC	10159	4324	0.53	0.09	0.01	A	10159	2215	3.45	-0.30	-0.04	A	2109	2215	12.78	-0.73	-0.11	A	93	2215	0.32	0.44	0.06	A
10	MC	20293	8646	7.71	0.31	0.03	A	20293	4344	11.18	-0.54	-0.06	A	4302	4344	58.64	-1.45	-0.17	B<	262	4344	0.01	-0.04	0.00	A
11	MC	10159	4324	0.06	0.03	0.00	A	10159	2215	1.08	-0.17	-0.03	A	2109	2215	3.71	-0.40	-0.06	A	93	2215	3.10	-1.13	-0.19	A
12	MC	10159	4324	14.52	-0.34	-0.07	A	10159	2215	17.57	-0.49	-0.09	A	2109	2215	2.67	-0.25	-0.05	A	93	2215	0.46	0.38	0.07	A
13	MC	10159	4324	4.60	-0.25	-0.04	A	10159	2215	6.18	-0.37	-0.05	A	2109	2215	1.34	-0.23	-0.04	A	93	2215	0.83	0.64	0.09	A
14	MC	20293	8646	0.88	0.06	0.01	A	20293	4344	3.09	0.15	0.03	A	4302	4344	2.78	0.19	0.04	A	262	4344	1.40	-0.40	-0.07	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.88: DIF Statistics based on ELL and FEP Students for Items in Listening on Stage II

Item	Item Type	Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	6489	14483	9.26	0.30	0.03	A	1	20971	1.05		-1.13	
2	MC	6489	14483	1.28	0.11	0.01	A	1	20971	0.74		-0.89	
3	MC	6489	14483	13.08	0.31	0.06	A	1	20971	0.32		-0.48	
4	MC	6489	14483	6.61	0.22	0.04	A	1	20971	3.41		1.55	
5	MC	12407	28939	10.23	0.19	0.04	A	4	41342	1.93		-0.64	
6	MC	6489	14483	1.27	0.10	0.02	A	1	20971	0.58		-0.74	
7	MC	6489	14483	33.36	0.59	0.07	A	1	20971	1.15		-1.20	
8	MC	6489	14483	29.68	0.89	0.05	A	1	20971	0.45		0.94	
9	MC	6489	14483	13.06	0.52	0.04	A	1	20971	0.42		0.88	
10	MC	12407	28939	34.63	1.05	0.03	B>	4	41342	0.80		0.64	
11	MC	6489	14483	28.40	0.84	0.05	A	1	20971	0.41		0.88	
12	MC	6489	14483	14.38	0.33	0.07	A	1	20971	0.81		-0.93	
13	MC	6489	14483	29.88	0.75	0.06	A	1	20971	0.62		1.03	
14	MC	12407	28939	47.48	0.45	0.08	A	4	41342	1.37		-0.50	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.89: DIF Statistics based on ELL Students for Items in Speaking on Stage II

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
53	SA4	6755	7727	22.47		0.03	A	12589	1894	20.75		-0.09	A	1011	13472	4.68		-0.06	A	1370	13113	30.21		-0.06	A
54	SA4	13574	15360	50.32		-0.07	A	25070	3869	13.56		0.03	A	1961	26978	13.65		0.05	A	2629	26310	15.64		0.07	A
55	SA4	6755	7727	34.98		-0.08	A	12589	1894	4.39		0.02	A	1011	13472	36.60		0.15	A	1370	13113	8.93		0.08	A
56	SA4	6755	7727	37.04		-0.04	A	12589	1894	10.29		0.03	A	1011	13472	7.97		0.07	A	1370	13113	18.63		0.09	A
57	SA4	13574	15360	59.60		-0.02	A	25070	3869	17.26		0.02	A	1961	26978	11.59		0.05	A	2629	26310	4.47		-0.02	A
58	SA4	6755	7727	34.43		-0.04	A	12589	1894	9.29		0.05	A	1011	13472	7.69		-0.04	A	1370	13113	10.39		0.05	A
59	SA4	6755	7727	24.22		0.06	A	12589	1894	54.03		0.16	A	1011	13472	5.52		-0.07	A	1370	13113	10.63		0.03	A
60	SA4	6755	7727	10.42		0.00	A	12589	1894	12.21		0.03	A	1011	13472	18.19		0.08	A	1370	13113	143.90		-0.23	B<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.90: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage II

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
53	SA4	10159	4324	25.35		-0.07	A	10159	2215	11.42		-0.05	A	2109	2215	5.11		0.05	A	93	2215	0.67		-0.04	A
54	SA4	20293	8646	21.03		0.03	A	20293	4344	25.64		-0.07	A	4302	4344	74.43		-0.18	B<	262	4344	5.15		-0.13	A
55	SA4	10159	4324	26.33		0.00	A	10159	2215	35.24		-0.10	A	2109	2215	46.28		-0.20	B<	93	2215	8.18		0.06	A
56	SA4	10159	4324	1.05		0.00	A	10159	2215	15.97		-0.08	A	2109	2215	40.50		-0.17	A	93	2215	1.87		-0.08	A
57	SA4	20293	8646	31.74		0.01	A	20293	4344	10.54		-0.04	A	4302	4344	23.27		-0.09	A	262	4344	9.27		-0.14	A
58	SA4	10159	4324	5.93		0.01	A	10159	2215	7.14		-0.05	A	2109	2215	22.26		-0.11	A	93	2215	10.35		-0.28	A
59	SA4	10159	4324	38.86		0.10	A	10159	2215	17.63		0.06	A	2109	2215	19.40		-0.09	A	93	2215	7.80		-0.21	A
60	SA4	10159	4324	42.08		-0.01	A	10159	2215	42.97		-0.11	A	2109	2215	54.85		-0.19	B<	93	2215	6.20		-0.20	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group,
MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.91: DIF Statistics based on ELL and FEP Students for Items in Speaking on Stage II

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
53	SA4	6489	14483	75.23		0.16	A	1	20971	0.36		-0.31	A
54	SA4	12407	28939	31.59		0.02	A	4	41342	1.74		-0.65	A
55	SA4	6489	14483	23.34		0.02	A	1	20971	1.02		1.13	A
56	SA4	6489	14483	19.80		0.04	A	1	20971	3.08		1.35	A
57	SA4	12407	28939	7.74		0.03	A	4	41342	3.61		-0.30	A
58	SA4	6489	14483	3.30		0.01	A	1	20971	0.83		-0.33	A
59	SA4	6489	14483	21.51		-0.01	A	1	20971	2.83		1.02	A
60	SA4	6489	14483	119.60		0.09	A	1	20971	0.71		0.44	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF),
SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.92: DIF Statistics based on ELL Students for Items in Reading on Stage III

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	3686	5073	27.23	-0.68	-0.11	A	7659	1107	0.45	0.13	0.02	A	684	8082	0.57	0.18	0.03	A	1377	7389	0.82	-0.15	-0.03	A
16	MC	3686	5073	0.81	0.10	0.02	A	7659	1107	37.03	-0.98	-0.18	A	684	8082	43.93	1.32	0.26	B>	1377	7389	1.15	-0.17	-0.03	A
17	MC	3686	5073	0.09	-0.03	-0.01	A	7659	1107	7.95	-0.49	-0.08	A	684	8082	3.51	0.39	0.07	A	1377	7389	0.04	0.03	0.00	A
18	MC	7480	10183	11.59	-0.27	-0.05	A	15181	2491	12.00	-0.39	-0.07	A	1693	15979	4.88	0.29	0.05	A	2840	14832	11.70	-0.37	-0.06	A
19	MC	3686	5073	0.52	0.09	0.01	A	7659	1107	1.59	0.26	0.04	A	684	8082	0.29	0.13	0.02	A	1377	7389	20.72	-0.75	-0.14	A
20	MC	7480	10183	27.98	0.40	0.08	A	15181	2491	4.02	-0.22	-0.04	A	1693	15979	2.85	0.21	0.04	A	2840	14832	0.13	-0.04	-0.01	A
21	MC	7480	10183	57.72	0.89	0.10	A	15181	2491	0.47	0.11	0.01	A	1693	15979	0.27	0.10	0.01	A	2840	14832	10.43	-0.43	-0.08	A
22	MC	7480	10183	8.77	0.22	0.04	A	15181	2491	9.08	-0.32	-0.06	A	1693	15979	0.21	-0.06	-0.01	A	2840	14832	0.63	-0.08	-0.02	A
23	MC	7480	10183	8.09	0.21	0.04	A	15181	2491	10.27	-0.35	-0.07	A	1693	15979	8.12	0.36	0.07	A	2840	14832	0.26	0.05	0.01	A
24	MC	3686	5073	28.46	0.63	0.10	A	7659	1107	2.26	0.27	0.04	A	684	8082	3.00	-0.37	-0.06	A	1377	7389	7.87	-0.44	-0.07	A
25	MC	3686	5073	34.37	0.72	0.11	A	7659	1107	0.22	-0.09	-0.02	A	684	8082	0.92	0.22	0.03	A	1377	7389	9.46	-0.48	-0.09	A
26	MC	3686	5073	0.03	0.02	0.01	A	7659	1107	0.17	-0.07	-0.02	A	684	8082	0.92	-0.20	-0.04	A	1377	7389	2.79	-0.26	-0.04	A
27	MC	3686	5073	0.37	0.07	0.02	A	7659	1107	0.54	-0.12	-0.03	A	684	8082	0.29	-0.11	-0.02	A	1377	7389	0.01	-0.02	0.00	A
28	MC	3686	5073	0.18	-0.05	-0.01	A	7659	1107	0.01	-0.02	0.00	A	684	8082	0.25	0.10	0.02	A	1377	7389	1.50	0.20	0.04	A
29	MC	3686	5073	1.40	-0.13	-0.02	A	7659	1107	0.39	-0.10	0.00	A	684	8082	1.58	-0.26	-0.05	A	1377	7389	0.12	-0.05	0.00	A
30	MC	3686	5073	7.22	0.30	0.05	A	7659	1107	1.63	0.22	0.05	A	684	8082	0.50	-0.15	-0.03	A	1377	7389	0.61	0.12	0.02	A
31	MC	3686	5073	9.82	0.37	0.06	A	7659	1107	0.01	-0.02	0.00	A	684	8082	2.42	0.33	0.05	A	1377	7389	1.91	-0.21	-0.04	A
32	MC	3686	5073	0.36	-0.08	-0.01	A	7659	1107	2.28	0.30	0.05	A	684	8082	0.11	-0.08	-0.01	A	1377	7389	0.46	0.12	0.02	A
33	MC	3686	5073	0.04	-0.02	0.00	A	7659	1107	4.91	-0.35	-0.07	A	684	8082	0.74	-0.17	-0.03	A	1377	7389	5.91	-0.38	-0.07	A
34	MC	3686	5073	1.34	0.13	0.02	A	7659	1107	2.67	0.27	0.06	A	684	8082	1.98	-0.29	-0.05	A	1377	7389	0.04	0.03	0.00	A
35	MC	3686	5073	2.75	0.20	0.03	A	7659	1107	5.74	-0.42	-0.07	A	684	8082	0.05	0.05	0.01	A	1377	7389	2.00	-0.23	-0.03	A
36	MC	3686	5073	3.43	-0.21	-0.04	A	7659	1107	0.04	0.03	0.00	A	684	8082	0.75	-0.18	-0.03	A	1377	7389	5.82	-0.38	-0.06	A
37	MC	3686	5073	0.35	0.07	0.01	A	7659	1107	2.15	0.25	0.06	A	684	8082	5.20	0.45	0.09	A	1377	7389	1.91	0.21	0.04	A
56	SA1	3686	5073	5.87	-0.28	-0.06	A	7659	1107	0.80	-0.15	-0.03	A	684	8082	4.29	-0.45	-0.08	A	1377	7389	0.05	-0.04	0.00	A
57	SA1	3686	5073	85.83	-1.08	-0.18	B<	7659	1107	16.70	-0.71	-0.12	A	684	8082	0.41	-0.13	-0.02	A	1377	7389	10.88	-0.54	-0.08	A
58	SA1	3686	5073	37.37	-0.81	-0.11	A	7659	1107	0.67	0.17	0.02	A	684	8082	0.99	0.25	0.04	A	1377	7389	18.83	-0.72	-0.13	A

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.93: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage III

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	5837	2929	4.59	-0.30	-0.05	A	5837	1131	12.53	-0.73	-0.11	A	1798	1131	8.28	-0.70	-0.11	A	64	1131	0.64	-0.61	-0.10	A
16	MC	5837	2929	5.41	-0.27	-0.05	A	5837	1131	2.25	-0.25	-0.04	A	1798	1131	0.02	0.03	0.02	A	64	1131	7.98	1.86	0.35	C>
17	MC	5837	2929	0.84	-0.11	-0.02	A	5837	1131	0.07	0.04	0.01	A	1798	1131	2.38	0.31	0.05	A	64	1131	1.27	0.76	0.14	A
18	MC	11625	6047	34.95	-0.49	-0.08	A	11625	2296	10.14	-0.37	-0.06	A	3751	2296	1.64	0.18	0.04	A	210	2296	0.28	0.20	0.03	A
19	MC	5837	2929	1.85	0.19	0.03	A	5837	1131	0.10	-0.06	0.00	A	1798	1131	2.95	-0.41	-0.05	A	64	1131	6.68	-2.05	-0.28	C<
20	MC	11625	6047	0.00	0.00	0.00	A	11625	2296	0.02	-0.02	0.00	A	3751	2296	0.00	0.00	0.00	A	210	2296	6.06	0.87	0.17	A
21	MC	11625	6047	16.47	0.48	0.06	A	11625	2296	10.07	0.53	0.07	A	3751	2296	0.82	0.18	0.02	A	210	2296	0.93	0.58	0.06	A
22	MC	11625	6047	0.67	-0.06	-0.01	A	11625	2296	2.47	0.18	0.04	A	3751	2296	8.74	0.39	0.08	A	210	2296	1.38	0.41	0.08	A
23	MC	11625	6047	3.33	-0.14	-0.03	A	11625	2296	1.70	-0.15	-0.03	A	3751	2296	0.03	0.02	0.00	A	210	2296	3.19	0.65	0.12	A
24	MC	5837	2929	3.87	0.25	0.04	A	5837	1131	5.29	0.40	0.06	A	1798	1131	1.56	0.26	0.04	A	64	1131	5.55	1.77	0.27	A
25	MC	5837	2929	0.03	0.02	0.00	A	5837	1131	0.52	0.13	0.02	A	1798	1131	0.72	0.18	0.03	A	64	1131	1.72	1.00	0.15	A
26	MC	5837	2929	2.87	-0.20	-0.03	A	5837	1131	0.01	-0.02	0.00	A	1798	1131	2.22	0.29	0.07	A	64	1131	0.09	0.19	0.04	A
27	MC	5837	2929	1.11	-0.12	-0.02	A	5837	1131	0.53	-0.12	-0.02	A	1798	1131	0.01	-0.02	0.01	A	64	1131	0.59	-0.52	-0.10	A
28	MC	5837	2929	1.56	0.15	0.03	A	5837	1131	2.10	0.25	0.05	A	1798	1131	0.39	0.13	0.03	A	64	1131	0.03	-0.12	-0.02	A
29	MC	5837	2929	4.02	-0.23	-0.04	A	5837	1131	0.05	-0.04	-0.01	A	1798	1131	2.11	0.28	0.07	A	64	1131	0.48	-0.46	-0.09	A
30	MC	5837	2929	2.94	0.21	0.04	A	5837	1131	5.39	0.39	0.07	A	1798	1131	2.87	0.34	0.06	A	64	1131	0.46	0.45	0.08	A
31	MC	5837	2929	0.84	0.11	0.02	A	5837	1131	0.45	0.11	0.02	A	1798	1131	0.01	-0.02	0.00	A	64	1131	0.35	0.41	0.07	A
32	MC	5837	2929	0.04	0.03	0.01	A	5837	1131	0.66	0.16	0.03	A	1798	1131	0.84	0.21	0.04	A	64	1131	0.24	-0.41	-0.06	A
33	MC	5837	2929	0.18	-0.05	-0.01	A	5837	1131	3.18	0.30	0.06	A	1798	1131	7.64	0.54	0.10	A	64	1131	2.23	-1.08	-0.18	A
34	MC	5837	2929	3.37	0.21	0.04	A	5837	1131	2.77	0.28	0.05	A	1798	1131	0.06	0.05	0.01	A	64	1131	0.84	-0.63	-0.11	A
35	MC	5837	2929	0.26	-0.06	-0.01	A	5837	1131	0.03	0.03	0.00	A	1798	1131	0.67	0.17	0.03	A	64	1131	0.28	-0.37	-0.06	A
36	MC	5837	2929	0.11	0.04	0.01	A	5837	1131	2.21	0.24	0.04	A	1798	1131	2.97	0.33	0.08	A	64	1131	4.46	1.39	0.26	A
37	MC	5837	2929	0.41	0.08	0.02	A	5837	1131	0.00	0.00	0.00	A	1798	1131	0.65	-0.16	-0.02	A	64	1131	1.07	0.66	0.13	A
56	SA1	5837	2929	0.04	-0.03	-0.01	A	5837	1131	3.08	0.31	0.06	A	1798	1131	6.98	0.54	0.11	A	64	1131	1.44	-0.93	-0.15	A
57	SA1	5837	2929	7.56	-0.33	-0.05	A	5837	1131	1.74	0.22	0.04	A	1798	1131	21.01	0.93	0.15	A	64	1131	0.11	0.21	0.04	A
58	SA1	5837	2929	7.89	0.39	0.06	A	5837	1131	14.12	0.70	0.11	A	1798	1131	6.73	0.59	0.07	A	64	1131	3.89	1.75	0.23	A

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.94: DIF Statistics based on ELL and FEP Students for Items in Reading on Stage III

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	10753	8766	58.76	0.91	0.09	A	1	19518	0.18		0.43	
16	MC	10753	8766	1.75	-0.11	-0.01	A	1	19518	0.58		-0.74	
17	MC	10753	8766	9.58	0.28	0.04	A	1	19518	0.45		0.69	
18	MC	20904	17672	267.47	0.99	0.15	A	4	38572	0.64	2.98	0.37	A
19	MC	10753	8766	77.01	1.06	0.08	B>	1	19518	0.16		0.37	
20	MC	20904	17672	47.34	-0.41	-0.07	A	4	38572	0.00	0.09	0.02	A
21	MC	20904	17672	26.34	0.60	0.02	A	4	38572	1.27	-4.28	-0.55	A
22	MC	20904	17672	18.19	-0.25	-0.03	A	4	38572	0.29	-1.33	-0.26	A
23	MC	20904	17672	3.86	0.11	0.02	A	4	38572	3.41		0.89	
24	MC	10753	8766	37.91	0.58	0.08	A	1	19518	0.50		0.73	
25	MC	10753	8766	2.40	-0.16	-0.01	A	1	19518	0.36		0.62	
26	MC	10753	8766	39.58	0.54	0.09	A	1	19518	0.93		0.99	
27	MC	10753	8766	2.64	0.13	0.06	A	1	19518	0.43		-0.61	
28	MC	10753	8766	0.33	0.05	0.04	A	1	19518	2.93		1.55	
29	MC	10753	8766	1.97	0.12	0.04	A	1	19518	1.67		1.25	
30	MC	10753	8766	25.08	0.45	0.08	A	1	19518	0.86		0.97	
31	MC	10753	8766	6.46	0.24	0.03	A	1	19518	0.57		0.79	
32	MC	10753	8766	21.65	-0.47	-0.05	A	1	19518	0.15		-0.33	
33	MC	10753	8766	0.01	-0.01	0.01	A	1	19518	1.84		1.30	
34	MC	10753	8766	0.18	0.04	0.01	A	1	19518	0.71		-0.83	
35	MC	10753	8766	0.68	0.08	0.01	A	1	19518	1.05		-1.05	
36	MC	10753	8766	1.01	0.09	0.03	A	1	19518	1.63		1.24	
37	MC	10753	8766	0.02	-0.01	0.01	A	1	19518	2.56		1.54	
56	SA1	10753	8766	0.43	0.06	0.00	A	1	19518	2.57		1.55	
57	SA1	10753	8766	169.92	1.09	0.16	B>	1	19518	0.73		0.87	
58	SA1	10753	8766	45.77	0.79	0.03	A	1	19518	0.16		0.36	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.95: DIF Statistics based on ELL Students for Items in Writing on Stage III

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
38	MC	3686	5073	9.53	0.49	0.06	A	7659	1107	0.18	0.10	0.01	A	684	8082	1.52	0.37	0.04	A	1377	7389	18.08	-0.79	-0.14	A
39	MC	7480	10183	88.51	0.70	0.14	A	15181	2491	6.86	-0.28	-0.05	A	1693	15979	6.97	0.33	0.07	A	2840	14832	2.80	-0.17	-0.04	A
40	MC	3686	5073	27.44	0.55	0.12	A	7659	1107	0.40	0.10	0.02	A	684	8082	1.67	0.25	0.05	A	1377	7389	0.35	0.09	0.01	A
41	MC	3686	5073	19.98	0.51	0.09	A	7659	1107	9.16	-0.54	-0.08	A	684	8082	0.25	0.11	0.02	A	1377	7389	0.26	-0.08	-0.02	A
42	MC	7480	10183	38.91	0.47	0.09	A	15181	2491	0.77	-0.09	-0.02	A	1693	15979	0.00	0.00	0.00	A	2840	14832	0.88	-0.10	-0.02	A
43	MC	3686	5073	36.39	0.67	0.12	A	7659	1107	2.95	-0.28	-0.05	A	684	8082	0.72	0.17	0.03	A	1377	7389	0.35	0.09	0.01	A
44	MC	3686	5073	0.03	-0.02	-0.01	A	7659	1107	4.34	-0.39	-0.07	A	684	8082	0.49	-0.16	-0.02	A	1377	7389	21.29	-0.75	-0.13	A
45	MC	3686	5073	2.76	0.18	0.03	A	7659	1107	7.66	-0.45	-0.07	A	684	8082	7.89	0.55	0.11	A	1377	7389	0.35	0.08	0.02	A
46	MC	3686	5073	2.27	-0.17	-0.03	A	7659	1107	2.83	-0.27	-0.05	A	684	8082	1.76	0.26	0.05	A	1377	7389	0.00	0.00	0.00	A
47	MC	7480	10183	0.25	-0.04	-0.01	A	15181	2491	34.60	-0.65	-0.12	A	1693	15979	4.56	0.27	0.05	A	2840	14832	0.11	-0.03	-0.01	A
48	MC	3686	5073	0.11	0.04	0.01	A	7659	1107	11.44	-0.61	-0.10	A	684	8082	0.02	-0.03	0.00	A	1377	7389	0.24	-0.08	-0.01	A
49	MC	3686	5073	0.01	-0.01	0.00	A	7659	1107	14.06	0.63	0.11	A	684	8082	1.60	-0.25	-0.05	A	1377	7389	0.41	-0.10	-0.02	A
50	MC	3686	5073	15.84	0.57	0.07	A	7659	1107	10.46	0.69	0.09	A	684	8082	0.53	0.20	0.02	A	1377	7389	5.57	-0.41	-0.07	A
51	MC	3686	5073	4.69	0.27	0.04	A	7659	1107	10.92	0.59	0.09	A	684	8082	0.00	0.01	0.00	A	1377	7389	0.95	-0.16	-0.03	A
52	MC	3686	5073	8.29	-0.32	-0.06	A	7659	1107	0.51	-0.12	-0.01	A	684	8082	0.31	0.11	0.02	A	1377	7389	0.13	-0.05	-0.01	A
53	MC	7480	10183	1.31	-0.09	-0.01	A	15181	2491	0.74	-0.10	-0.02	A	1693	15979	0.06	0.03	0.01	A	2840	14832	8.88	-0.32	-0.06	A
54	ER	3686	5073	155.86		0.19	B>	7659	1107	8.89		0.03	A	684	8082	12.51		0.06	A	1377	7389	47.01		-0.09	A
55	ER	3686	5073	56.07		0.10	A	7659	1107	14.58		0.06	A	684	8082	18.28		0.06	A	1377	7389	50.22		-0.06	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.96: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage III

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
38	MC	5837	2929	2.41	0.25	0.03	A	5837	1131	3.17	0.41	0.06	A	1798	1131	0.85	0.25	0.04	A	64	1131	0.38	0.60	0.07	A
39	MC	11625	6047	0.49	-0.05	-0.01	A	11625	2296	0.10	0.03	0.01	A	3751	2296	1.28	0.15	0.02	A	210	2296	2.44	0.55	0.11	A
40	MC	5837	2929	0.03	0.02	0.00	A	5837	1131	0.01	0.01	0.01	A	1798	1131	0.03	0.03	0.00	A	64	1131	2.52	-1.01	-0.20	A
41	MC	5837	2929	2.93	-0.21	-0.03	A	5837	1131	0.60	-0.13	-0.02	A	1798	1131	0.36	0.12	0.02	A	64	1131	0.67	-0.55	-0.09	A
42	MC	11625	6047	0.41	-0.05	-0.01	A	11625	2296	0.69	0.09	0.02	A	3751	2296	2.83	0.22	0.04	A	210	2296	0.73	0.30	0.06	A
43	MC	5837	2929	0.01	-0.01	0.00	A	5837	1131	1.22	0.18	0.03	A	1798	1131	2.82	0.33	0.05	A	64	1131	1.04	0.71	0.12	A
44	MC	5837	2929	0.44	-0.09	-0.01	A	5837	1131	1.62	0.23	0.04	A	1798	1131	5.75	0.52	0.08	A	64	1131	0.26	-0.37	-0.06	A
45	MC	5837	2929	3.95	-0.22	-0.04	A	5837	1131	5.88	-0.39	-0.07	A	1798	1131	3.15	-0.34	-0.07	A	64	1131	0.69	0.52	0.10	A
46	MC	5837	2929	0.08	0.03	0.01	A	5837	1131	0.18	0.07	0.01	A	1798	1131	0.06	0.05	0.02	A	64	1131	0.34	-0.38	-0.07	A
47	MC	11625	6047	13.37	-0.29	-0.05	A	11625	2296	0.52	-0.08	-0.01	A	3751	2296	6.54	0.34	0.06	A	210	2296	6.08	0.93	0.17	A
48	MC	5837	2929	1.44	-0.15	-0.03	A	5837	1131	1.50	0.21	0.03	A	1798	1131	9.19	0.62	0.10	A	64	1131	0.87	0.68	0.11	A
49	MC	5837	2929	6.01	0.29	0.05	A	5837	1131	4.17	0.34	0.06	A	1798	1131	0.17	0.08	0.02	A	64	1131	0.92	-0.64	-0.11	A
50	MC	5837	2929	4.69	0.32	0.04	A	5837	1131	0.03	0.04	0.00	A	1798	1131	3.87	-0.49	-0.06	A	64	1131	4.38	-1.67	-0.23	A
51	MC	5837	2929	2.23	0.19	0.03	A	5837	1131	0.27	0.09	0.01	A	1798	1131	0.67	-0.18	-0.03	A	64	1131	0.34	-0.42	-0.07	A
52	MC	5837	2929	4.49	-0.24	-0.04	A	5837	1131	3.93	-0.32	-0.06	A	1798	1131	0.57	-0.15	-0.03	A	64	1131	1.91	-0.95	-0.17	A
53	MC	11625	6047	0.00	0.00	0.00	A	11625	2296	6.13	0.30	0.05	A	3751	2296	12.65	0.52	0.08	A	210	2296	2.18	0.57	0.09	A
54	ER	5837	2929	32.56		0.05	A	5837	1131	7.77		0.00	A	1798	1131	17.34		-0.07	A	64	1131	0.96		-0.05	A
55	ER	5837	2929	25.53		0.06	A	5837	1131	0.64		0.00	A	1798	1131	16.86		-0.08	A	64	1131	0.20		0.01	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.97: DIF Statistics based on ELL and FEP Students for Items in Writing on Stage III

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
38	MC	10753	8766	9.03	0.44	0.02	A	1	19518	0.09		0.28	
39	MC	20904	17672	30.28	-0.32	-0.04	A	4	38572	4.33		1.00	
40	MC	10753	8766	3.67	-0.15	-0.01	A	1	19518	0.67		-0.80	
41	MC	10753	8766	4.69	0.19	0.03	A	1	19518	0.61		0.81	
42	MC	20904	17672	4.83	-0.13	-0.02	A	4	38572	0.00	-0.01	0.00	A
43	MC	10753	8766	0.03	-0.01	0.00	A	1	19518	0.84		0.94	
44	MC	10753	8766	45.51	0.69	0.07	A	1	19518	0.28		0.52	
45	MC	10753	8766	39.67	0.52	0.11	A	1	19518	0.62		0.81	
46	MC	10753	8766	0.93	-0.08	-0.02	A	1	19518	0.65		-0.79	
47	MC	20904	17672	153.79	0.73	0.12	A	4	38572	0.14	-1.10	-0.18	A
48	MC	10753	8766	30.12	0.51	0.05	A	1	19518	0.48		0.71	
49	MC	10753	8766	15.37	0.33	0.05	A	1	19518	1.00		1.02	
50	MC	10753	8766	34.97	0.78	0.04	A	1	19518	0.12		0.30	
51	MC	10753	8766	4.42	0.21	0.02	A	1	19518	0.28		0.52	
52	MC	10753	8766	22.94	0.39	0.06	A	1	19518	0.66		-0.80	
53	MC	20904	17672	100.24	0.68	0.07	A	4	38572	0.07	1.03	0.12	A
54	ER	10753	8766	124.91		0.11	A	1	19518	0.37		0.13	A
55	ER	10753	8766	84.85		0.08	A	1	19518	0.53		0.07	A

Note: MC= Multiple-choice Item, ER=Extended Response Item , NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.98: DIF Statistics based on ELL Students for Items in Listening on Stage III

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	3686	5073	0.15	-0.04	-0.01	A	7659	1107	4.63	-0.36	-0.06	A	684	8082	0.45	0.14	0.03	A	1377	7389	9.60	0.49	0.09	A
2	MC	3686	5073	14.71	-0.43	-0.07	A	7659	1107	15.52	-0.70	-0.12	A	684	8082	0.53	0.15	0.03	A	1377	7389	1.66	0.19	0.04	A
3	MC	3686	5073	5.04	-0.25	-0.05	A	7659	1107	12.45	0.57	0.11	A	684	8082	6.07	0.51	0.09	A	1377	7389	0.76	-0.13	-0.02	A
4	MC	3686	5073	0.75	-0.14	-0.01	A	7659	1107	22.10	1.02	0.14	B>	684	8082	0.10	0.09	0.01	A	1377	7389	0.12	0.07	0.01	A
5	MC	3686	5073	0.31	-0.07	-0.01	A	7659	1107	8.30	0.50	0.10	A	684	8082	0.20	-0.10	-0.02	A	1377	7389	0.41	-0.10	-0.02	A
6	MC	7480	10183	29.58	-0.44	-0.08	A	15181	2491	45.17	-0.74	-0.13	A	1693	15979	0.02	0.02	0.00	A	2840	14832	0.01	0.01	0.00	A
7	MC	3686	5073	33.32	-0.82	-0.11	A	7659	1107	1.42	0.25	0.05	A	684	8082	1.38	0.31	0.04	A	1377	7389	0.29	-0.09	-0.02	A
8	MC	7480	10183	9.39	-0.23	-0.04	A	15181	2491	1.11	0.11	0.03	A	1693	15979	11.25	-0.42	-0.08	A	2840	14832	0.49	-0.07	-0.02	A
9	MC	3686	5073	5.44	-0.25	-0.05	A	7659	1107	1.18	-0.18	-0.03	A	684	8082	1.21	-0.22	-0.04	A	1377	7389	0.37	0.09	0.02	A
10	MC	7480	10183	34.90	-0.46	-0.08	A	15181	2491	0.77	-0.10	-0.01	A	1693	15979	0.40	-0.08	-0.02	A	2840	14832	1.09	-0.11	-0.02	A
11	MC	3686	5073	26.58	-0.55	-0.11	A	7659	1107	3.65	0.30	0.07	A	684	8082	0.12	-0.07	-0.01	A	1377	7389	11.26	0.49	0.10	A
12	MC	3686	5073	6.11	-0.28	-0.05	A	7659	1107	0.48	-0.12	-0.03	A	684	8082	1.50	0.25	0.05	A	1377	7389	7.49	0.41	0.08	A
13	MC	3686	5073	2.72	-0.18	-0.04	A	7659	1107	0.87	0.15	0.03	A	684	8082	0.01	-0.02	0.00	A	1377	7389	3.30	-0.27	-0.06	A
14	MC	3686	5073	0.79	-0.09	-0.02	A	7659	1107	14.82	-0.59	-0.12	A	684	8082	0.04	-0.04	-0.01	A	1377	7389	0.09	0.04	0.01	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.99: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage III

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	5837	2929	13.46	-0.43	-0.08	A	5837	1131	11.33	-0.56	-0.11	A	1798	1131	1.65	-0.25	-0.05	A	64	1131	0.97	0.62	0.13	A
2	MC	5837	2929	2.94	-0.20	-0.04	A	5837	1131	9.70	-0.54	-0.10	A	1798	1131	7.01	-0.54	-0.10	A	64	1131	0.10	0.22	0.04	A
3	MC	5837	2929	1.47	0.14	0.03	A	5837	1131	0.10	-0.05	-0.01	A	1798	1131	2.50	-0.30	-0.05	A	64	1131	0.31	0.36	0.07	A
4	MC	5837	2929	12.73	0.58	0.08	A	5837	1131	0.48	-0.17	-0.02	A	1798	1131	15.72	-1.12	-0.15	B<	64	1131	1.26	-0.92	-0.14	A
5	MC	5837	2929	0.00	0.00	0.00	A	5837	1131	0.82	-0.17	-0.02	A	1798	1131	1.36	-0.26	-0.05	A	64	1131	3.00	-1.11	-0.22	A
6	MC	11625	6047	70.78	-0.69	-0.13	A	11625	2296	35.55	-0.70	-0.13	A	3751	2296	0.00	-0.01	0.01	A	210	2296	0.02	0.05	0.01	A
7	MC	5837	2929	5.42	0.34	0.05	A	5837	1131	0.09	-0.06	-0.01	A	1798	1131	7.03	-0.66	-0.09	A	64	1131	0.08	0.26	0.03	A
8	MC	11625	6047	1.43	-0.09	-0.02	A	11625	2296	0.68	-0.09	-0.02	A	3751	2296	0.01	-0.01	0.00	A	210	2296	3.34	-0.64	-0.13	A
9	MC	5837	2929	0.24	-0.05	-0.01	A	5837	1131	0.11	0.05	0.01	A	1798	1131	0.66	0.15	0.02	A	64	1131	1.17	0.70	0.13	A
10	MC	11625	6047	0.01	-0.01	0.00	A	11625	2296	1.56	-0.15	-0.02	A	3751	2296	2.94	-0.24	-0.03	A	210	2296	6.10	-0.87	-0.16	A
11	MC	5837	2929	0.90	-0.11	-0.02	A	5837	1131	4.92	-0.35	-0.07	A	1798	1131	5.61	-0.45	-0.08	A	64	1131	0.16	0.25	0.05	A
12	MC	5837	2929	0.49	-0.08	-0.02	A	5837	1131	6.62	-0.43	-0.08	A	1798	1131	8.41	-0.57	-0.11	A	64	1131	1.42	0.82	0.15	A
13	MC	5837	2929	0.01	-0.01	0.00	A	5837	1131	2.93	0.27	0.06	A	1798	1131	5.86	0.46	0.09	A	64	1131	2.29	0.95	0.19	A
14	MC	5837	2929	0.92	-0.10	-0.02	A	5837	1131	0.05	-0.04	-0.01	A	1798	1131	0.46	0.12	0.02	A	64	1131	0.78	-0.56	-0.11	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.100: DIF Statistics based on ELL and FEP Students for Items in Listening on Stage III

Item	Item Type	Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	10753	8766	73.12	0.69	0.14	A	1	19518	0.52		-0.71	
2	MC	10753	8766	25.30	0.46	0.04	A	1	19518	2.81		-1.69	
3	MC	10753	8766	89.50	0.84	0.14	A	1	19518	0.47		0.71	
4	MC	10753	8766	1.91	0.20	0.01	A	1	19518	0.09		0.27	
5	MC	10753	8766	5.10	-0.22	-0.02	A	1	19518	0.29		0.55	
6	MC	20904	17672	9.75	0.18	0.04	A	4	38572	0.14	-0.93	-0.18	A
7	MC	10753	8766	21.09	0.61	0.03	A	1	19518	0.13		0.35	
8	MC	20904	17672	17.46	0.24	0.03	A	4	38572	0.19	-1.21	-0.21	A
9	MC	10753	8766	44.64	0.56	0.09	A	1	19518	0.54		0.75	
10	MC	20904	17672	14.65	0.23	0.03	A	4	38572	0.17	-1.23	-0.20	A
11	MC	10753	8766	1.98	-0.12	-0.02	A	1	19518	0.75		0.89	
12	MC	10753	8766	1.23	-0.10	-0.03	A	1	19518	0.53		0.75	
13	MC	10753	8766	2.42	0.13	0.02	A	1	19518	1.20		-1.14	
14	MC	10753	8766	8.08	-0.22	-0.03	A	1	19518	0.68		-0.81	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.101: DIF Statistics based on ELL Students for Items in Speaking on Stage III

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
59	SA4	3686	5073	11.82		-0.04	A	7659	1107	39.90		0.18	B>	684	8082	7.61		0.04	A	1377	7389	26.74		0.16	A
60	SA4	3686	5073	31.25		0.01	A	7659	1107	22.03		0.11	A	684	8082	3.11		-0.06	A	1377	7389	31.00		0.10	A
61	SA4	3686	5073	39.28		-0.12	A	7659	1107	39.92		0.18	B>	684	8082	4.52		-0.02	A	1377	7389	52.69		0.17	B>
62	SA4	7480	10183	9.61		-0.02	A	15181	2491	105.51		0.20	B>	1693	15979	10.50		-0.06	A	2840	14832	30.01		0.11	A
63	SA4	7480	10183	15.83		-0.04	A	15181	2491	68.19		0.15	A	1693	15979	7.42		0.06	A	2840	14832	114.30		0.23	B>
64	SA4	3686	5073	13.58		-0.03	A	7659	1107	41.10		0.19	B>	684	8082	5.69		-0.03	A	1377	7389	41.84		0.13	A
65	SA4	3686	5073	33.39		-0.01	A	7659	1107	70.42		0.25	C>	684	8082	34.99		-0.12	A	1377	7389	70.76		0.12	A
66	SA4	3686	5073	28.84		-0.09	A	7659	1107	12.71		0.07	A	684	8082	17.20		0.04	A	1377	7389	23.99		0.07	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.102: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage III

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
59	SA4	5837	2929	42.83		0.12	A	5837	1131	1.80		0.01	A	1798	1131	20.94		-0.16	A	64	1131	2.58		0.14	A
60	SA4	5837	2929	24.83		0.04	A	5837	1131	3.09		-0.03	A	1798	1131	12.39		-0.11	A	64	1131	1.41		-0.13	A
61	SA4	5837	2929	37.78		0.04	A	5837	1131	18.95		-0.09	A	1798	1131	36.48		-0.19	B<	64	1131	5.55		-0.08	A
62	SA4	11625	6047	66.77		0.11	A	11625	2296	5.90		0.01	A	3751	2296	33.48		-0.15	A	210	2296	10.30		-0.18	A
63	SA4	11625	6047	37.12		0.06	A	11625	2296	29.14		-0.12	A	3751	2296	107.91		-0.27	C<	210	2296	1.96		0.01	A
64	SA4	5837	2929	29.13		0.10	A	5837	1131	1.86		0.00	A	1798	1131	22.92		-0.15	A	64	1131	1.18		0.02	A
65	SA4	5837	2929	43.33		0.13	A	5837	1131	23.69		0.07	A	1798	1131	27.18		-0.10	A	64	1131	1.33		-0.06	A
66	SA4	5837	2929	26.77		0.02	A	5837	1131	25.05		-0.14	A	1798	1131	45.69		-0.23	B<	64	1131	8.06		-0.20	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.103: DIF Statistics based on ELL and FEP Students for Items in Speaking on Stage III

Item	Item Type	Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
59	SA4	10753	8766	32.53		0.02	A	1	19518	120.78		-4.96	C<
60	SA4	10753	8766	73.99		0.07	A	1	19518	59.89		-3.94	C<
61	SA4	10753	8766	113.13		0.09	A	1	19518	2.14		-0.94	A
62	SA4	20904	17672	74.19		0.05	A	4	38572	6.09		-1.02	A
63	SA4	20904	17672	79.13		0.05	A	4	38572	3.30		-0.18	A
64	SA4	10753	8766	13.53		0.01	A	1	19518	19.55		-3.11	C<
65	SA4	10753	8766	37.98		0.07	A	1	19518	23.84		-3.21	C<
66	SA4	10753	8766	125.09		0.11	A	1	19518	0.23		-0.10	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.104: DIF Statistics based on ELL Students for Items in Reading on Stage IV

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	1202	1861	5.82	0.61	0.08	A	2416	651	9.59	0.87	0.12	A	321	2746	1.54	-0.45	-0.07	A	603	2464	1.26	-0.32	-0.05	A
16	MC	2540	3664	2.91	0.22	0.04	A	4855	1354	1.69	-0.20	-0.05	A	609	5600	0.01	-0.02	0.00	A	1201	5008	9.13	-0.48	-0.10	A
17	MC	1202	1861	4.15	0.49	0.06	A	2416	651	0.22	0.13	0.02	A	321	2746	0.35	0.22	0.03	A	603	2464	1.05	-0.27	-0.04	A
18	MC	1202	1861	0.01	-0.03	0.00	A	2416	651	0.51	-0.21	-0.02	A	321	2746	3.36	0.77	0.10	A	603	2464	0.06	0.07	0.01	A
19	MC	2540	3664	5.87	0.50	0.05	A	4855	1354	7.93	-0.67	-0.07	A	609	5600	3.37	0.61	0.07	A	1201	5008	4.71	0.50	0.07	A
20	MC	1202	1861	2.20	0.29	0.05	A	2416	651	7.00	-0.61	-0.10	A	321	2746	0.25	-0.15	-0.03	A	603	2464	0.53	-0.18	-0.04	A
21	MC	1202	1861	2.02	0.26	0.05	A	2416	651	1.24	0.25	0.05	A	321	2746	3.07	-0.52	-0.10	A	603	2464	9.35	-0.71	-0.13	A
22	MC	1202	1861	0.02	0.03	0.00	A	2416	651	0.75	-0.19	-0.04	A	321	2746	2.15	0.41	0.09	A	603	2464	0.02	0.03	0.01	A
23	MC	1202	1861	1.23	0.21	0.04	A	2416	651	4.06	-0.45	-0.09	A	321	2746	0.01	0.03	0.00	A	603	2464	0.40	-0.15	-0.03	A
24	MC	1202	1861	4.87	0.41	0.08	A	2416	651	7.15	-0.60	-0.12	A	321	2746	0.16	-0.11	-0.02	A	603	2464	1.48	-0.28	-0.06	A
25	MC	1202	1861	1.76	0.25	0.05	A	2416	651	0.01	0.02	0.00	A	321	2746	0.14	-0.11	-0.02	A	603	2464	0.02	-0.04	0.00	A
26	MC	1202	1861	25.56	-1.15	-0.19	B<	2416	651	5.37	-0.60	-0.10	A	321	2746	1.75	0.45	0.07	A	603	2464	0.19	0.12	0.02	A
27	MC	1202	1861	1.16	-0.22	-0.04	A	2416	651	0.02	-0.04	0.00	A	321	2746	0.94	-0.32	-0.06	A	603	2464	0.44	-0.17	-0.03	A
28	MC	1202	1861	9.74	0.59	0.11	A	2416	651	2.86	-0.38	-0.07	A	321	2746	2.95	-0.53	-0.09	A	603	2464	7.69	-0.68	-0.12	A
29	MC	1202	1861	5.71	0.46	0.09	A	2416	651	2.08	0.34	0.07	A	321	2746	6.72	-0.87	-0.15	A	603	2464	0.81	-0.23	-0.04	A
30	MC	1202	1861	7.05	0.55	0.09	A	2416	651	2.08	0.37	0.06	A	321	2746	0.00	-0.02	0.00	A	603	2464	2.01	-0.39	-0.06	A
31	MC	1202	1861	0.00	0.00	0.00	A	2416	651	0.82	-0.20	-0.04	A	321	2746	2.09	0.43	0.08	A	603	2464	1.27	-0.26	-0.05	A
32	MC	1202	1861	0.45	0.12	0.03	A	2416	651	0.15	-0.09	-0.02	A	321	2746	0.00	0.02	0.00	A	603	2464	14.94	-0.93	-0.16	A
33	MC	1202	1861	0.54	-0.14	-0.02	A	2416	651	1.95	0.32	0.07	A	321	2746	0.53	-0.22	-0.04	A	603	2464	1.33	0.28	0.05	A
34	MC	1202	1861	2.35	0.29	0.05	A	2416	651	3.51	-0.43	-0.08	A	321	2746	2.09	0.43	0.08	A	603	2464	0.97	0.23	0.05	A
35	MC	1202	1861	0.84	0.17	0.04	A	2416	651	5.16	0.51	0.09	A	321	2746	1.65	-0.40	-0.07	A	603	2464	0.04	-0.05	-0.01	A
36	MC	1202	1861	23.58	-0.96	-0.18	A	2416	651	0.59	-0.18	-0.03	A	321	2746	0.35	-0.19	-0.03	A	603	2464	0.23	-0.12	-0.02	A
37	MC	2540	3664	43.01	-0.87	-0.16	A	4855	1354	2.95	-0.27	-0.05	A	609	5600	5.93	0.52	0.10	A	1201	5008	12.36	0.57	0.11	A
38	MC	2540	3664	8.62	0.45	0.08	A	4855	1354	6.85	-0.46	-0.08	A	609	5600	3.38	0.44	0.08	A	1201	5008	1.31	0.22	0.04	A
39	MC	2540	3664	5.18	0.29	0.06	A	4855	1354	0.44	-0.10	-0.02	A	609	5600	0.69	-0.18	-0.03	A	1201	5008	0.74	-0.14	-0.02	A
40	MC	2540	3664	1.23	0.15	0.03	A	4855	1354	4.53	-0.34	-0.06	A	609	5600	2.44	-0.35	-0.06	A	1201	5008	0.16	-0.07	-0.01	A
61	SA1	1202	1861	0.56	-0.13	-0.02	A	2416	651	0.42	-0.14	-0.03	A	321	2746	0.03	0.05	0.01	A	603	2464	3.96	-0.45	-0.08	A
62	SA1	1202	1861	7.56	-0.60	-0.09	A	2416	651	5.93	0.62	0.09	A	321	2746	0.01	0.04	0.01	A	603	2464	22.42	-1.18	-0.22	B<

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.105: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage IV

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	1826	1241	8.26	0.69	0.10	A	1826	338	3.60	0.72	0.11	A	903	338	0.01	-0.03	0.01	A	75	338	0.65	-0.57	-0.10	A
16	MC	3639	2570	0.00	0.00	0.00	A	3639	678	1.07	0.21	0.03	A	1892	678	1.84	0.30	0.04	A	108	678	3.79	0.99	0.20	A
17	MC	1826	1241	1.97	0.33	0.04	A	1826	338	0.93	0.36	0.05	A	903	338	0.08	0.11	0.02	A	75	338	0.00	0.03	0.01	A
18	MC	1826	1241	0.07	-0.07	-0.01	A	1826	338	1.50	-0.52	-0.07	A	903	338	1.59	-0.59	-0.10	A	75	338	0.89	0.82	0.13	A
19	MC	3639	2570	0.01	-0.02	0.00	A	3639	678	0.21	-0.15	-0.02	A	1892	678	0.26	-0.18	-0.02	A	108	678	4.80	1.80	0.24	A
20	MC	1826	1241	4.85	-0.42	-0.08	A	1826	338	2.92	-0.51	-0.09	A	903	338	0.09	-0.10	-0.01	A	75	338	0.80	-0.59	-0.11	A
21	MC	1826	1241	0.01	-0.02	0.00	A	1826	338	0.87	0.28	0.04	A	903	338	1.40	0.39	0.04	A	75	338	0.00	0.02	0.00	A
22	MC	1826	1241	7.00	-0.48	-0.09	A	1826	338	3.21	-0.52	-0.10	A	903	338	0.12	-0.11	0.01	A	75	338	0.02	-0.08	-0.01	A
23	MC	1826	1241	0.86	-0.17	-0.03	A	1826	338	0.00	-0.01	0.00	A	903	338	0.69	0.27	0.04	A	75	338	0.00	0.02	0.00	A
24	MC	1826	1241	3.86	-0.36	-0.07	A	1826	338	0.19	-0.13	-0.04	A	903	338	0.94	0.31	0.02	A	75	338	0.03	0.11	0.02	A
25	MC	1826	1241	0.01	-0.02	0.00	A	1826	338	0.07	0.08	0.02	A	903	338	0.11	0.11	0.02	A	75	338	3.73	-1.39	-0.23	A
26	MC	1826	1241	18.41	-0.92	-0.15	A	1826	338	15.98	-1.33	-0.24	B<	903	338	3.42	-0.68	-0.12	A	75	338	2.45	-1.18	-0.18	A
27	MC	1826	1241	0.00	0.01	0.00	A	1826	338	1.19	0.37	0.06	A	903	338	1.59	0.46	0.08	A	75	338	0.12	-0.26	-0.02	A
28	MC	1826	1241	1.81	-0.26	-0.05	A	1826	338	0.00	-0.01	0.00	A	903	338	0.80	0.30	0.06	A	75	338	0.85	-0.62	-0.11	A
29	MC	1826	1241	0.18	0.08	0.03	A	1826	338	1.12	0.34	0.04	A	903	338	0.27	0.18	0.01	A	75	338	0.79	-0.68	-0.10	A
30	MC	1826	1241	0.00	0.01	0.00	A	1826	338	0.30	-0.18	-0.03	A	903	338	0.25	-0.18	-0.05	A	75	338	0.03	-0.13	-0.02	A
31	MC	1826	1241	0.02	0.02	0.01	A	1826	338	0.17	-0.12	-0.03	A	903	338	0.80	-0.29	-0.06	A	75	338	0.55	-0.46	-0.09	A
32	MC	1826	1241	2.31	-0.28	-0.05	A	1826	338	0.13	0.11	0.02	A	903	338	2.08	0.47	0.12	A	75	338	0.72	-0.54	-0.09	A
33	MC	1826	1241	0.91	0.18	0.04	A	1826	338	0.01	-0.03	-0.01	A	903	338	1.14	-0.35	-0.07	A	75	338	1.22	-0.76	-0.14	A
34	MC	1826	1241	4.80	-0.41	-0.07	A	1826	338	1.99	-0.42	-0.07	A	903	338	0.08	-0.09	0.02	A	75	338	0.06	-0.17	-0.03	A
35	MC	1826	1241	0.79	0.17	0.03	A	1826	338	0.01	-0.03	0.00	A	903	338	0.30	-0.18	-0.03	A	75	338	0.01	-0.06	-0.01	A
36	MC	1826	1241	2.20	-0.29	-0.05	A	1826	338	2.36	-0.47	-0.09	A	903	338	0.91	-0.31	-0.05	A	75	338	0.82	-0.61	-0.11	A
37	MC	3639	2570	12.38	-0.46	-0.08	A	3639	678	4.72	-0.46	-0.09	A	1892	678	0.02	-0.03	0.00	A	108	678	0.21	0.24	0.04	A
38	MC	3639	2570	11.98	-0.52	-0.09	A	3639	678	3.78	-0.47	-0.08	A	1892	678	0.11	0.08	0.02	A	108	678	0.47	0.40	0.08	A
39	MC	3639	2570	4.97	-0.29	-0.05	A	3639	678	0.49	-0.15	-0.03	A	1892	678	0.42	0.15	0.06	A	108	678	0.79	-0.51	-0.09	A
40	MC	3639	2570	2.42	-0.21	-0.04	A	3639	678	2.15	0.33	0.06	A	1892	678	7.82	0.67	0.14	A	108	678	4.30	1.09	0.22	A
61	SA1	1826	1241	0.08	-0.05	-0.01	A	1826	338	0.09	0.09	0.03	A	903	338	0.69	0.27	0.07	A	75	338	1.93	0.92	0.16	A
62	SA1	1826	1241	5.45	0.51	0.08	A	1826	338	2.49	0.53	0.09	A	903	338	0.00	0.01	0.00	A	75	338	0.77	0.69	0.10	A

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta (MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.106: DIF Statistics based on ELL and FEP Students for Items in Reading on Stage IV

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	6632	3067	8.98	0.59	0.00	A	2	9697	0.30		0.41	
16	MC	13284	6209	36.41	0.56	0.07	A	10	19483	0.00	0.00	0.00	A
17	MC	6632	3067	84.35	1.84	0.08	C>	2	9697	0.40		0.47	
18	MC	6632	3067	160.14	3.38	0.14	C>	2	9697	0.26		0.42	
19	MC	13284	6209	180.28	2.97	0.09	C>	10	19483	0.53		0.20	
20	MC	6632	3067	6.73	0.34	0.01	A	2	9697	0.18	-2.98	-0.24	A
21	MC	6632	3067	4.54	-0.27	-0.06	A	2	9697	0.10	-1.90	-0.19	A
22	MC	6632	3067	0.47	0.09	0.00	A	2	9697	1.19		0.68	
23	MC	6632	3067	0.29	0.07	0.01	A	2	9697	0.07	-1.65	-0.16	A
24	MC	6632	3067	1.42	0.15	0.01	A	2	9697	0.22	-2.81	-0.29	A
25	MC	6632	3067	2.85	-0.22	-0.08	A	2	9697	0.00	-0.21	-0.02	A
26	MC	6632	3067	11.60	0.48	0.08	A	2	9697	0.09	1.84	0.19	A
27	MC	6632	3067	0.00	0.00	0.01	A	2	9697	0.09	1.53	0.20	A
28	MC	6632	3067	3.42	0.24	0.04	A	2	9697	2.19		0.83	
29	MC	6632	3067	8.00	-0.38	-0.06	A	2	9697	3.53		1.30	
30	MC	6632	3067	71.41	-1.29	-0.24	B<	2	9697	0.96	3.29	0.73	A
31	MC	6632	3067	0.38	0.08	0.02	A	2	9697	0.12	-2.35	-0.20	A
32	MC	6632	3067	0.18	0.05	0.01	A	2	9697	2.06		0.83	
33	MC	6632	3067	1.79	0.17	0.04	A	2	9697	0.02	0.68	0.09	A
34	MC	6632	3067	38.63	0.80	0.14	A	2	9697	2.25		0.82	
35	MC	6632	3067	2.23	-0.19	-0.04	A	2	9697	0.03	0.77	0.11	A
36	MC	6632	3067	1.76	-0.17	-0.07	A	2	9697	2.86		1.04	
37	MC	13284	6209	76.21	0.78	0.12	A	10	19483	0.03	-0.31	-0.05	A
38	MC	13284	6209	23.30	-0.54	-0.06	A	10	19483	1.05	1.63	0.32	A
39	MC	13284	6209	6.69	-0.23	-0.03	A	10	19483	2.27	-2.79	-0.46	A
40	MC	13284	6209	17.21	-0.38	-0.11	A	10	19483	2.66	-4.21	-0.50	A
61	SA1	6632	3067	1.67	0.16	0.02	A	2	9697	1.73		0.89	
62	SA1	6632	3067	70.95	1.50	0.10	C>	2	9697	0.44		0.48	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item , NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.107: DIF Statistics based on ELL Students for Items in Writing on Stage IV

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
41	MC	1202	1861	2.59	0.33	0.05	A	2416	651	6.97	0.63	0.09	A	321	2746	0.29	-0.17	-0.03	A	603	2464	50.83	-1.64	-0.34	C<
42	MC	2540	3664	8.24	0.37	0.07	A	4855	1354	12.58	-0.54	-0.11	A	609	5600	0.71	0.18	0.04	A	1201	5008	6.07	-0.42	-0.07	A
43	MC	1202	1861	2.22	0.28	0.05	A	2416	651	8.61	-0.65	-0.12	A	321	2746	2.42	-0.46	-0.09	A	603	2464	1.04	-0.23	-0.04	A
44	MC	1202	1861	20.90	0.85	0.17	A	2416	651	4.75	-0.49	-0.10	A	321	2746	0.00	0.02	0.00	A	603	2464	6.14	-0.58	-0.11	A
45	MC	1202	1861	30.18	1.01	0.20	B>	2416	651	0.37	-0.14	-0.03	A	321	2746	0.00	0.01	0.00	A	603	2464	2.86	-0.39	-0.08	A
46	MC	1202	1861	12.42	0.65	0.13	A	2416	651	6.60	-0.57	-0.11	A	321	2746	7.41	0.80	0.15	A	603	2464	4.93	-0.51	-0.09	A
47	MC	1202	1861	6.21	0.47	0.08	A	2416	651	0.31	-0.13	-0.03	A	321	2746	0.08	0.09	0.01	A	603	2464	0.34	-0.14	-0.03	A
48	MC	1202	1861	1.64	-0.24	-0.05	A	2416	651	3.24	-0.41	-0.08	A	321	2746	7.18	0.79	0.15	A	603	2464	0.07	0.06	0.01	A
49	MC	1202	1861	0.03	-0.03	0.00	A	2416	651	13.03	0.82	0.16	A	321	2746	7.99	-0.88	-0.16	A	603	2464	4.25	-0.49	-0.09	A
50	MC	1202	1861	2.32	-0.29	-0.06	A	2416	651	0.36	-0.14	-0.02	A	321	2746	0.01	0.03	0.00	A	603	2464	1.13	0.26	0.05	A
51	MC	1202	1861	4.97	0.47	0.07	A	2416	651	0.81	0.22	0.04	A	321	2746	7.83	0.95	0.15	A	603	2464	5.30	0.59	0.10	A
52	MC	2540	3664	0.07	-0.04	-0.01	A	4855	1354	5.58	0.37	0.07	A	609	5600	2.88	0.37	0.07	A	1201	5008	15.44	-0.66	-0.12	A
53	MC	2540	3664	0.25	-0.07	-0.01	A	4855	1354	5.83	0.43	0.07	A	609	5600	3.94	-0.51	-0.08	A	1201	5008	9.96	-0.62	-0.10	A
54	MC	1202	1861	13.71	-0.71	-0.13	A	2416	651	15.03	-0.91	-0.16	A	321	2746	31.54	1.73	0.31	C>	603	2464	3.69	0.44	0.08	A
55	MC	1202	1861	10.63	-0.73	-0.12	A	2416	651	3.56	-0.48	-0.09	A	321	2746	4.61	0.72	0.12	A	603	2464	11.05	0.90	0.14	A
56	MC	2540	3664	12.27	0.47	0.08	A	4855	1354	0.61	-0.12	-0.02	A	609	5600	0.50	-0.16	-0.03	A	1201	5008	21.11	-0.75	-0.14	A
57	MC	1202	1861	1.29	-0.22	-0.03	A	2416	651	0.16	0.09	0.01	A	321	2746	0.44	-0.20	-0.03	A	603	2464	1.06	0.24	0.05	A
58	MC	1202	1861	0.53	-0.14	-0.03	A	2416	651	5.69	-0.55	-0.11	A	321	2746	0.23	-0.15	-0.03	A	603	2464	2.37	0.37	0.07	A
59	ER	1202	1861	45.11		0.15	A	2416	651	10.58		0.01	A	321	2746	22.37		0.21	B>	603	2464	23.06		0.06	A
60	ER	1202	1861	30.33		0.12	A	2416	651	18.18		0.10	A	321	2746	8.46		0.01	A	603	2464	21.89		0.08	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.108: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage IV

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
41	MC	1826	1241	4.20	0.41	0.07	A	1826	338	9.06	0.92	0.17	A	903	338	4.40	0.72	0.12	A	75	338	1.00	0.69	0.12	A
42	MC	3639	2570	0.94	-0.13	-0.02	A	3639	678	1.60	0.27	0.05	A	1892	678	3.95	0.46	0.11	A	108	678	0.18	-0.23	-0.04	A
43	MC	1826	1241	1.07	-0.19	-0.04	A	1826	338	0.04	0.06	0.02	A	903	338	1.43	0.38	0.08	A	75	338	1.39	-0.77	-0.16	A
44	MC	1826	1241	2.07	-0.26	-0.05	A	1826	338	0.17	-0.12	-0.02	A	903	338	0.19	0.14	0.06	A	75	338	3.34	-1.20	-0.23	A
45	MC	1826	1241	0.18	0.08	0.02	A	1826	338	0.97	0.29	0.05	A	903	338	0.46	0.22	0.03	A	75	338	0.19	-0.29	-0.05	A
46	MC	1826	1241	0.37	-0.11	-0.02	A	1826	338	0.03	0.05	0.02	A	903	338	0.55	0.24	0.06	A	75	338	0.03	0.11	0.02	A
47	MC	1826	1241	0.04	-0.04	0.00	A	1826	338	1.49	0.38	0.06	A	903	338	2.00	0.49	0.08	A	75	338	0.01	0.06	0.01	A
48	MC	1826	1241	2.64	-0.31	-0.06	A	1826	338	2.15	-0.44	-0.08	A	903	338	0.54	-0.24	-0.02	A	75	338	0.08	-0.19	-0.03	A
49	MC	1826	1241	4.64	0.40	0.08	A	1826	338	2.15	0.45	0.08	A	903	338	0.00	0.00	-0.01	A	75	338	2.79	-1.28	-0.20	A
50	MC	1826	1241	1.24	-0.21	-0.04	A	1826	338	0.40	-0.20	-0.04	A	903	338	0.01	-0.03	-0.01	A	75	338	0.63	-0.57	-0.10	A
51	MC	1826	1241	0.00	-0.01	0.00	A	1826	338	1.00	-0.33	-0.06	A	903	338	2.08	-0.52	-0.09	A	75	338	0.13	-0.25	-0.05	A
52	MC	3639	2570	0.71	0.11	0.02	A	3639	678	6.59	0.55	0.11	A	1892	678	6.90	0.62	0.13	A	108	678	2.19	0.81	0.14	A
53	MC	3639	2570	1.67	0.19	0.03	A	3639	678	9.81	0.81	0.13	A	1892	678	9.27	0.83	0.13	A	108	678	0.68	0.52	0.09	A
54	MC	1826	1241	15.94	-0.76	-0.13	A	1826	338	4.55	-0.64	-0.12	A	903	338	0.14	0.12	0.01	A	75	338	3.05	1.18	0.21	A
55	MC	1826	1241	29.05	-1.16	-0.19	B<	1826	338	17.59	-1.38	-0.25	B<	903	338	1.25	-0.40	-0.05	A	75	338	0.90	-0.72	-0.12	A
56	MC	3639	2570	0.02	0.02	0.00	A	3639	678	2.58	0.36	0.07	A	1892	678	3.29	0.43	0.09	A	108	678	0.02	0.07	0.01	A
57	MC	1826	1241	0.30	-0.10	-0.02	A	1826	338	2.14	-0.44	-0.08	A	903	338	1.52	-0.41	-0.09	A	75	338	1.10	-0.69	-0.12	A
58	MC	1826	1241	15.28	-0.75	-0.14	A	1826	338	4.47	-0.65	-0.15	A	903	338	0.00	0.01	-0.04	A	75	338	0.18	-0.29	-0.06	A
59	ER	1826	1241	22.29		-0.03	A	1826	338	23.53		-0.22	B<	903	338	30.78		-0.25	B<	75	338	6.75		-0.01	A
60	ER	1826	1241	23.40		0.07	A	1826	338	7.04		-0.08	A	903	338	16.29		-0.20	B<	75	338	5.05		0.09	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.109: DIF Statistics based on ELL and FEP Students for Items in Writing on Stage IV

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
41	MC	6632	3067	3.48	0.28	-0.04	A	2	9697	1.17	-5.34	-0.74	A
42	MC	13284	6209	6.70	-0.23	-0.06	A	10	19483	0.35	-0.96	-0.18	A
43	MC	6632	3067	0.14	0.05	-0.02	A	2	9697	1.43		0.79	
44	MC	6632	3067	0.94	0.12	-0.01	A	2	9697	0.10	-1.87	-0.19	A
45	MC	6632	3067	2.12	0.18	0.00	A	2	9697	0.06	-1.25	-0.15	A
46	MC	6632	3067	0.32	-0.07	-0.05	A	2	9697	0.06	-1.39	-0.16	A
47	MC	6632	3067	22.38	0.60	0.08	A	2	9697	0.10	-1.97	-0.19	A
48	MC	6632	3067	93.83	1.21	0.21	B>	2	9697	0.06	-1.53	-0.15	A
49	MC	6632	3067	1.62	-0.16	-0.06	A	2	9697	0.00	-0.09	-0.01	A
50	MC	6632	3067	0.03	0.02	-0.05	A	2	9697	1.43		-0.81	
51	MC	6632	3067	152.69	1.99	0.20	C>	2	9697	1.22	-8.31	-0.77	A
52	MC	13284	6209	77.49	0.83	0.09	A	10	19483	0.71	-1.57	-0.24	A
53	MC	13284	6209	22.52	-0.50	-0.03	A	10	19483	5.81	3.12	0.72	A
54	MC	6632	3067	143.19	1.61	0.22	C>	2	9697	0.52	-4.82	-0.45	A
55	MC	6632	3067	68.99	1.15	0.26	B>	2	9697	1.49		-0.79	
56	MC	13284	6209	57.10	0.75	0.06	A	10	19483	1.17	3.11	0.32	A
57	MC	6632	3067	82.96	1.18	0.14	B>	2	9697	1.88		0.77	
58	MC	6632	3067	3.76	0.26	0.04	A	2	9697	0.05	1.08	0.15	A
59	ER	6632	3067	342.26		0.24	B>	2	9697	12.46		-0.30	A
60	ER	6632	3067	274.19		0.19	B>	2	9697	8.11		-0.63	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.110: DIF Statistics based on ELL Students for Items in Listening on Stage IV

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	1202	1861	11.74	-0.68	-0.12	A	2416	651	0.01	0.02	0.01	A	321	2746	0.04	0.06	0.01	A	603	2464	3.71	0.46	0.09	A
2	MC	2540	3664	1.71	-0.18	-0.03	A	4855	1354	0.25	0.08	0.02	A	609	5600	0.74	0.19	0.03	A	1201	5008	0.00	0.00	0.01	A
3	MC	1202	1861	3.04	0.39	0.06	A	2416	651	0.07	0.07	0.01	A	321	2746	0.95	-0.33	-0.06	A	603	2464	3.05	-0.45	-0.08	A
4	MC	1202	1861	3.20	0.32	0.07	A	2416	651	4.77	0.48	0.09	A	321	2746	1.84	-0.40	-0.08	A	603	2464	1.08	0.24	0.05	A
5	MC	1202	1861	0.04	-0.04	0.00	A	2416	651	0.14	0.08	0.02	A	321	2746	2.96	0.49	0.10	A	603	2464	20.60	1.00	0.21	A
6	MC	2540	3664	0.90	-0.14	-0.02	A	4855	1354	0.25	0.09	0.01	A	609	5600	3.91	0.50	0.08	A	1201	5008	10.16	0.58	0.11	A
7	MC	1202	1861	22.20	-0.85	-0.18	A	2416	651	3.15	-0.37	-0.08	A	321	2746	5.47	0.65	0.14	A	603	2464	0.48	0.15	0.03	A
8	MC	1202	1861	0.31	-0.10	-0.02	A	2416	651	8.53	0.64	0.12	A	321	2746	8.18	-0.84	-0.16	A	603	2464	6.77	-0.59	-0.12	A
9	MC	1202	1861	1.62	-0.27	-0.04	A	2416	651	0.31	0.13	0.03	A	321	2746	0.51	-0.22	-0.04	A	603	2464	2.15	0.37	0.06	A
10	MC	1202	1861	0.00	0.01	0.00	A	2416	651	16.99	0.90	0.18	A	321	2746	9.11	-0.87	-0.17	A	603	2464	3.86	-0.44	-0.09	A
11	MC	1202	1861	12.42	-0.67	-0.12	A	2416	651	4.44	-0.47	-0.08	A	321	2746	0.66	0.24	0.05	A	603	2464	0.48	0.15	0.04	A
12	MC	2540	3664	8.59	-0.38	-0.07	A	4855	1354	0.01	0.01	0.01	A	609	5600	8.64	-0.61	-0.12	A	1201	5008	10.54	-0.52	-0.11	A
13	MC	1202	1861	0.57	-0.14	-0.03	A	2416	651	22.05	-1.02	-0.21	B<	321	2746	0.39	0.18	0.04	A	603	2464	0.03	-0.04	-0.01	A
14	MC	1202	1861	3.99	-0.39	-0.08	A	2416	651	13.97	0.90	0.16	A	321	2746	4.81	-0.72	-0.13	A	603	2464	5.01	-0.57	-0.11	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.111: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage IV

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	1826	1241	1.64	-0.25	-0.05	A	1826	338	6.05	-0.79	-0.14	A	903	338	4.06	-0.70	-0.13	A	75	338	0.00	-0.01	-0.01	A
2	MC	3639	2570	0.89	-0.13	-0.02	A	3639	678	4.44	-0.47	-0.08	A	1892	678	4.12	-0.49	-0.09	A	108	678	0.43	0.38	0.06	A
3	MC	1826	1241	2.10	0.31	0.06	A	1826	338	8.21	0.94	0.15	A	903	338	4.69	0.80	0.12	A	75	338	1.15	0.77	0.14	A
4	MC	1826	1241	3.61	0.34	0.07	A	1826	338	0.96	0.29	0.06	A	903	338	0.16	-0.13	-0.01	A	75	338	0.40	0.40	0.08	A
5	MC	1826	1241	0.63	0.14	0.03	A	1826	338	0.02	-0.04	-0.02	A	903	338	0.84	-0.28	-0.07	A	75	338	0.30	0.34	0.07	A
6	MC	3639	2570	1.27	0.17	0.03	A	3639	678	0.44	-0.16	-0.03	A	1892	678	2.67	-0.42	-0.10	A	108	678	1.11	-0.61	-0.12	A
7	MC	1826	1241	0.03	0.03	0.01	A	1826	338	0.01	0.03	0.01	A	903	338	0.00	0.02	0.01	A	75	338	0.75	0.50	0.13	A
8	MC	1826	1241	9.50	0.56	0.12	A	1826	338	8.72	0.86	0.16	A	903	338	0.94	0.31	0.07	A	75	338	0.26	0.33	0.06	A
9	MC	1826	1241	1.99	0.29	0.04	A	1826	338	0.36	0.19	0.04	A	903	338	0.01	-0.03	-0.02	A	75	338	0.84	0.66	0.11	A
10	MC	1826	1241	12.12	0.64	0.12	A	1826	338	5.89	0.71	0.13	A	903	338	0.15	0.12	0.00	A	75	338	0.98	-0.61	-0.12	A
11	MC	1826	1241	0.90	-0.18	-0.03	A	1826	338	0.07	0.08	0.01	A	903	338	0.71	0.27	0.05	A	75	338	4.87	1.48	0.28	A
12	MC	3639	2570	0.00	0.00	0.00	A	3639	678	4.78	0.44	0.09	A	1892	678	6.42	0.56	0.12	A	108	678	3.10	-0.90	-0.18	A
13	MC	1826	1241	19.50	-0.80	-0.16	A	1826	338	3.28	-0.52	-0.09	A	903	338	1.65	0.40	0.10	A	75	338	0.42	0.40	0.08	A
14	MC	1826	1241	16.25	0.78	0.14	A	1826	338	7.23	0.89	0.15	A	903	338	0.23	0.17	0.01	A	75	338	1.66	0.87	0.16	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.112: DIF Statistics based on ELL and FEP Students for Items in Listening on Stage IV

Item	Item Type	Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	6632	3067	10.70	0.47	0.02	A	2	9697	0.98	-4.59	-0.68	A
2	MC	13284	6209	62.13	0.83	0.06	A	10	19483	0.00	-0.09	-0.01	A
3	MC	6632	3067	2.15	0.25	-0.02	A	2	9697	0.43		0.47	
4	MC	6632	3067	3.20	-0.22	-0.08	A	2	9697	0.00	0.07	0.01	A
5	MC	6632	3067	23.15	-0.59	-0.14	A	2	9697	2.73		1.16	
6	MC	13284	6209	24.91	0.56	0.04	A	10	19483	1.45	-1.90	-0.37	A
7	MC	6632	3067	8.76	0.36	0.02	A	2	9697	1.53		0.83	
8	MC	6632	3067	0.70	-0.11	-0.07	A	2	9697	0.12	-1.89	-0.22	A
9	MC	6632	3067	0.85	-0.13	-0.06	A	2	9697	0.69		0.58	
10	MC	6632	3067	0.01	0.01	-0.02	A	2	9697	0.30	-2.83	-0.36	A
11	MC	6632	3067	2.88	0.23	0.01	A	2	9697	0.97		0.63	
12	MC	13284	6209	1.15	0.10	-0.01	A	10	19483	1.30	-1.83	-0.35	A
13	MC	6632	3067	0.10	-0.04	-0.04	A	2	9697	0.09	-1.57	-0.19	A
14	MC	6632	3067	2.78	-0.22	-0.05	A	2	9697	1.33		-0.80	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.113: DIF Statistics based on ELL Students for Items in Speaking on Stage IV

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	1202	1861	5.42		-0.04	A	2416	651	0.68		0.00	A	321	2746	3.81		0.00	A	603	2464	52.57		0.31	C>
64	SA4	1202	1861	2.26		-0.02	A	2416	651	9.85		0.11	A	321	2746	3.31		-0.06	A	603	2464	20.19		0.17	B>
65	SA4	2540	3664	45.72		-0.13	A	4855	1354	9.81		0.07	A	609	5600	3.97		0.00	A	1201	5008	56.03		0.19	B>
66	SA4	1202	1861	1.85		-0.02	A	2416	651	6.57		0.09	A	321	2746	9.97		-0.11	A	603	2464	14.85		0.12	A
67	SA4	2540	3664	52.44		-0.15	A	4855	1354	58.52		0.18	B>	609	5600	17.95		-0.04	A	1201	5008	72.67		0.25	C>
68	SA4	1202	1861	20.87		0.04	A	2416	651	28.95		0.16	A	321	2746	23.29		-0.18	B<	603	2464	31.40		0.24	B>
69	SA4	1202	1861	16.66		-0.09	A	2416	651	17.08		0.07	A	321	2746	9.37		-0.09	A	603	2464	54.11		0.31	C>
70	SA4	1202	1861	13.68		-0.08	A	2416	651	4.78		-0.01	A	321	2746	10.79		0.09	A	603	2464	67.23		0.31	C>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.114: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage IV

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	1826	1241	7.06		0.03	A	1826	338	18.41		-0.17	B<	903	338	24.57		-0.27	C<	75	338	9.20		-0.35	A
64	SA4	1826	1241	2.62		0.05	A	1826	338	4.07		-0.04	A	903	338	7.10		-0.13	A	75	338	10.35		-0.39	A
65	SA4	3639	2570	7.29		0.01	A	3639	678	10.50		-0.10	A	1892	678	17.58		-0.14	A	108	678	1.98		0.02	A
66	SA4	1826	1241	5.37		0.07	A	1826	338	3.72		-0.03	A	903	338	9.76		-0.13	A	75	338	4.26		-0.27	A
67	SA4	3639	2570	31.14		0.11	A	3639	678	9.21		-0.06	A	1892	678	28.73		-0.23	B<	108	678	6.06		-0.03	A
68	SA4	1826	1241	20.96		0.12	A	1826	338	18.12		0.01	A	903	338	17.42		-0.16	A	75	338	12.35		-0.42	C<
69	SA4	1826	1241	25.70		0.05	A	1826	338	19.60		-0.06	A	903	338	8.82		-0.16	A	75	338	9.06		-0.38	A
70	SA4	1826	1241	25.34		-0.01	A	1826	338	31.79		-0.24	B<	903	338	31.23		-0.29	C<	75	338	7.16		-0.31	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.115: DIF Statistics based on ELL and FEP Students for Items in Speaking on Stage IV

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	6632	3067	82.54		0.09	A	2	9697	0.36		0.34	A
64	SA4	6632	3067	30.33		0.07	A	2	9697	0.34		0.26	A
65	SA4	13284	6209	199.65		0.15	A	10	19483	4.66		-0.30	A
66	SA4	6632	3067	113.12		0.12	A	2	9697	1.19		0.62	A
67	SA4	13284	6209	129.35		0.07	A	10	19483	1.88		0.21	A
68	SA4	6632	3067	53.47		0.06	A	2	9697	1.67		0.70	A
69	SA4	6632	3067	92.53		0.11	A	2	9697	1.05		0.61	A
70	SA4	6632	3067	224.36		0.17	A	2	9697	0.55		0.21	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.116: DIF Statistics based on ELL Students for Items in Reading on Stage V

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	2309	2919	13.02	-0.50	-0.10	A	3482	1748	0.69	0.12	0.02	A	321	4909	9.84	0.99	0.18	A	634	4596	6.60	0.56	0.11	A
16	MC	1118	1363	1.47	-0.36	-0.04	A	1549	933	51.28	2.12	0.25	C>	165	2317	4.18	1.96	0.11	A	294	2188	1.22	0.51	0.06	A
17	MC	1118	1363	2.12	0.30	0.05	A	1549	933	1.22	0.24	0.04	A	165	2317	3.04	0.69	0.14	A	294	2188	0.99	-0.33	-0.06	A
18	MC	1118	1363	5.57	-0.60	-0.08	A	1549	933	8.87	-0.79	-0.11	A	165	2317	0.46	0.44	0.04	A	294	2188	5.62	-0.83	-0.13	A
19	MC	2309	2919	23.85	-0.74	-0.13	A	3482	1748	36.33	-1.00	-0.16	A	321	4909	52.68	3.04	0.37	C>	634	4596	85.86	2.36	0.38	C>
20	MC	1118	1363	0.00	-0.02	-0.01	A	1549	933	8.03	-0.92	-0.10	A	165	2317	4.10	1.92	0.10	A	294	2188	6.20	1.25	0.14	A
21	MC	2309	2919	4.47	0.29	0.06	A	3482	1748	28.03	0.78	0.14	A	321	4909	8.42	-0.83	-0.16	A	634	4596	25.59	-1.07	-0.21	B<
22	MC	2309	2919	3.30	0.25	0.05	A	3482	1748	3.44	0.27	0.05	A	321	4909	0.16	-0.12	-0.02	A	634	4596	12.78	-0.77	-0.15	A
23	MC	2309	2919	30.29	0.96	0.13	A	3482	1748	8.70	-0.55	-0.08	A	321	4909	2.22	-0.57	-0.07	A	634	4596	25.04	-1.18	-0.20	B<
24	MC	2309	2919	2.80	0.24	0.05	A	3482	1748	10.01	0.47	0.09	A	321	4909	0.00	0.00	0.00	A	634	4596	6.23	-0.55	-0.10	A
25	MC	1118	1363	0.00	-0.01	0.00	A	1549	933	6.77	-0.55	-0.11	A	165	2317	0.07	0.11	0.02	A	294	2188	0.15	-0.12	-0.02	A
26	MC	1118	1363	0.07	0.06	0.01	A	1549	933	1.42	0.27	0.05	A	165	2317	0.13	-0.19	-0.02	A	294	2188	2.29	0.49	0.09	A
27	MC	1118	1363	4.61	0.45	0.08	A	1549	933	0.25	0.11	0.02	A	165	2317	0.54	-0.33	-0.05	A	294	2188	0.67	-0.26	-0.04	A
28	MC	1118	1363	0.36	0.13	0.02	A	1549	933	4.33	-0.45	-0.09	A	165	2317	11.03	1.48	0.26	B>	294	2188	2.27	-0.50	-0.09	A
29	MC	1118	1363	8.52	-0.61	-0.11	A	1549	933	4.01	0.43	0.08	A	165	2317	0.04	-0.08	-0.01	A	294	2188	1.66	0.40	0.08	A
30	MC	1118	1363	5.28	0.53	0.08	A	1549	933	0.62	-0.18	-0.05	A	165	2317	6.56	-1.21	-0.17	A	294	2188	36.87	-1.93	-0.38	C<
31	MC	1118	1363	16.65	1.12	0.13	B>	1549	933	3.55	-0.52	-0.07	A	165	2317	2.07	-0.90	-0.08	A	294	2188	10.51	-1.18	-0.20	B<
32	MC	1118	1363	1.58	0.26	0.06	A	1549	933	1.61	0.27	0.05	A	165	2317	0.03	0.07	0.01	A	294	2188	0.56	-0.24	-0.05	A
33	MC	1118	1363	2.40	0.32	0.06	A	1549	933	57.49	1.55	0.31	C>	165	2317	5.05	-0.96	-0.16	A	294	2188	36.37	-1.86	-0.37	C<
34	MC	1118	1363	1.26	0.22	0.05	A	1549	933	14.26	0.75	0.15	A	165	2317	2.12	-0.58	-0.11	A	294	2188	3.55	-0.58	-0.12	A
35	MC	1118	1363	0.71	0.17	0.03	A	1549	933	16.72	0.88	0.16	A	165	2317	3.70	0.84	0.15	A	294	2188	17.88	-1.39	-0.25	B<
36	MC	1118	1363	0.07	-0.05	0.00	A	1549	933	1.74	0.27	0.05	A	165	2317	1.18	-0.43	-0.08	A	294	2188	10.63	-1.00	-0.20	B<
37	MC	1118	1363	3.54	0.37	0.07	A	1549	933	4.22	-0.41	-0.08	A	165	2317	2.99	-0.68	-0.14	A	294	2188	1.27	-0.35	-0.06	A
38	MC	1118	1363	2.34	0.32	0.05	A	1549	933	5.74	-0.51	-0.09	A	165	2317	0.15	-0.16	-0.03	A	294	2188	6.95	-0.80	-0.16	A
39	MC	1118	1363	3.87	0.41	0.08	A	1549	933	0.00	-0.01	0.00	A	165	2317	8.50	-1.18	-0.22	B<	294	2188	6.20	-0.80	-0.14	A
40	MC	1118	1363	0.01	-0.02	-0.01	A	1549	933	0.09	-0.06	-0.01	A	165	2317	0.51	0.30	0.06	A	294	2188	0.05	-0.07	-0.01	A
41	MC	1118	1363	3.65	0.40	0.08	A	1549	933	0.75	0.19	0.03	A	165	2317	0.95	-0.41	-0.08	A	294	2188	1.11	-0.36	-0.06	A
42	MC	1118	1363	3.11	0.37	0.07	A	1549	933	6.43	0.54	0.10	A	165	2317	15.49	-1.60	-0.30	C<	294	2188	2.62	-0.52	-0.09	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.117: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage V

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	2146	3084	0.70	-0.12	-0.02	A	2146	661	1.76	0.29	0.06	A	2423	661	5.61	0.52	0.11	A	35	661	4.53	2.02	0.36	A
16	MC	879	1603	36.00	2.02	0.22	C>	879	353	7.74	1.36	0.16	B>	1250	353	3.82	-0.85	-0.10	A	19	353	2.57		0.30	
17	MC	879	1603	1.61	0.27	0.05	A	879	353	0.23	0.15	0.03	A	1250	353	0.37	-0.19	-0.01	A	19	353	0.15	0.42	0.09	A
18	MC	879	1603	2.85	-0.44	-0.06	A	879	353	2.15	-0.56	-0.08	A	1250	353	0.32	-0.21	-0.04	A	19	353	0.02	-0.19	-0.03	A
19	MC	2146	3084	86.59	-1.39	-0.24	B<	2146	661	41.30	-1.57	-0.27	C<	2423	661	0.90	-0.24	-0.03	A	35	661	3.84	2.25	0.32	A
20	MC	879	1603	1.58	-0.41	-0.05	A	879	353	0.00	-0.03	0.00	A	1250	353	1.41	0.54	0.05	A	19	353	2.51		0.29	
21	MC	2146	3084	36.72	0.85	0.16	A	2146	661	12.42	0.77	0.16	A	2423	661	0.03	-0.04	-0.01	A	35	661	0.56	-0.64	-0.13	A
22	MC	2146	3084	7.73	0.39	0.08	A	2146	661	4.52	0.47	0.09	A	2423	661	0.18	0.09	0.01	A	35	661	0.82	-0.85	-0.15	A
23	MC	2146	3084	0.10	-0.05	-0.01	A	2146	661	3.81	0.51	0.07	A	2423	661	8.13	0.75	0.10	A	35	661	0.33	0.64	0.09	A
24	MC	2146	3084	11.04	0.48	0.09	A	2146	661	6.56	0.58	0.12	A	2423	661	0.17	0.09	0.05	A	35	661	2.01	1.31	0.24	A
25	MC	879	1603	1.36	-0.25	-0.05	A	879	353	0.04	0.07	0.02	A	1250	353	2.06	0.44	0.08	A	19	353	5.74	-3.93	-0.55	A
26	MC	879	1603	0.46	0.16	0.02	A	879	353	0.12	-0.12	-0.02	A	1250	353	0.98	-0.32	-0.07	A	19	353	0.01	-0.15	-0.02	A
27	MC	879	1603	0.45	0.15	0.02	A	879	353	1.42	0.39	0.07	A	1250	353	1.30	0.36	0.04	A	19	353	1.13	-1.16	-0.24	A
28	MC	879	1603	11.82	-0.74	-0.13	A	879	353	0.07	-0.08	-0.02	A	1250	353	6.78	0.82	0.16	A	19	353	0.84	1.08	0.20	A
29	MC	879	1603	3.26	0.39	0.07	A	879	353	0.45	0.21	0.04	A	1250	353	0.57	-0.23	-0.06	A	19	353	7.81	-4.81	-0.63	C<
30	MC	879	1603	1.06	0.24	0.04	A	879	353	2.85	0.57	0.10	A	1250	353	1.94	0.45	0.06	A	19	353	1.76	-1.72	-0.29	A
31	MC	879	1603	0.27	-0.15	-0.02	A	879	353	0.13	0.14	0.02	A	1250	353	0.94	0.37	0.05	A	19	353	4.55	-3.01	-0.43	A
32	MC	879	1603	0.01	-0.02	0.00	A	879	353	0.22	-0.15	-0.02	A	1250	353	0.37	-0.18	-0.03	A	19	353	0.64	0.88	0.18	A
33	MC	879	1603	25.39	1.09	0.21	B>	879	353	7.45	0.84	0.17	A	1250	353	1.08	-0.31	-0.05	A	19	353	3.89	-2.28	-0.46	A
34	MC	879	1603	14.15	0.76	0.15	A	879	353	1.04	0.31	0.07	A	1250	353	3.60	-0.55	-0.10	A	19	353	4.58	-2.72	-0.50	A
35	MC	879	1603	16.09	0.85	0.16	A	879	353	6.86	0.84	0.15	A	1250	353	0.07	-0.08	-0.03	A	19	353	0.56	-0.79	-0.16	A
36	MC	879	1603	0.02	-0.03	-0.01	A	879	353	0.77	-0.27	-0.05	A	1250	353	0.85	-0.27	-0.05	A	19	353	4.31	-2.58	-0.49	A
37	MC	879	1603	0.21	0.09	0.02	A	879	353	1.34	0.35	0.08	A	1250	353	1.39	0.35	0.09	A	19	353	0.51	0.81	0.17	A
38	MC	879	1603	0.44	-0.14	-0.03	A	879	353	0.04	-0.06	0.00	A	1250	353	0.18	0.13	0.04	A	19	353	1.04	-1.19	-0.24	A
39	MC	879	1603	2.13	0.32	0.05	A	879	353	3.62	0.61	0.12	A	1250	353	1.87	0.42	0.09	A	19	353	0.08	0.33	0.06	A
40	MC	879	1603	0.08	-0.06	-0.01	A	879	353	1.96	-0.44	-0.09	A	1250	353	2.92	-0.53	-0.09	A	19	353	0.19	-0.55	-0.10	A
41	MC	879	1603	3.18	0.38	0.07	A	879	353	2.80	0.55	0.11	A	1250	353	0.47	0.22	0.05	A	19	353	0.04	-0.27	-0.05	A
42	MC	879	1603	5.66	0.51	0.09	A	879	353	2.90	0.55	0.10	A	1250	353	0.01	0.03	0.01	A	19	353	2.23	-1.85	-0.34	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.118: DIF Statistics based on ELL and FEP Students for Items in Reading on Stage V

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
15	MC	3801	5230	1.13	0.14	0.02	A	1	9030	2.53		-1.54	
16	MC	1853	2482	13.46	1.72	0.05	C>	0	4335				
17	MC	1853	2482	0.04	-0.03	0.02	A	0	4335				
18	MC	1853	2482	0.63	0.24	0.01	A	0	4335				
19	MC	3801	5230	187.58	2.35	0.23	C>	1	9030	0.13		0.27	
20	MC	1853	2482	22.09	2.56	0.07	C>	0	4335				
21	MC	3801	5230	1.66	-0.16	-0.03	A	1	9030	0.46		0.65	
22	MC	3801	5230	0.13	0.04	0.01	A	1	9030	0.62		0.77	
23	MC	3801	5230	0.74	0.17	0.01	A	1	9030	0.07		0.17	
24	MC	3801	5230	0.07	0.03	0.01	A	1	9030	0.92		-0.96	
25	MC	1853	2482	8.11	0.53	0.08	A	0	4335				
26	MC	1853	2482	1.61	0.31	0.03	A	0	4335				
27	MC	1853	2482	0.11	0.07	0.02	A	0	4335				
28	MC	1853	2482	0.04	-0.04	0.02	A	0	4335				
29	MC	1853	2482	5.88	0.44	0.06	A	0	4335				
30	MC	1853	2482	0.74	-0.21	-0.01	A	0	4335				
31	MC	1853	2482	1.77	0.49	0.02	A	0	4335				
32	MC	1853	2482	0.32	-0.10	-0.03	A	0	4335				
33	MC	1853	2482	2.71	-0.32	-0.02	A	0	4335				
34	MC	1853	2482	0.14	-0.07	0.00	A	0	4335				
35	MC	1853	2482	0.75	-0.16	0.00	A	0	4335				
36	MC	1853	2482	7.60	-0.49	-0.09	A	0	4335				
37	MC	1853	2482	2.20	-0.26	-0.03	A	0	4335				
38	MC	1853	2482	4.32	-0.41	-0.06	A	0	4335				
39	MC	1853	2482	8.12	-0.55	-0.07	A	0	4335				
40	MC	1853	2482	5.68	0.42	0.09	A	0	4335				
41	MC	1853	2482	0.22	-0.08	0.02	A	0	4335				
42	MC	1853	2482	0.17	-0.08	0.02	A	0	4335				

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.119: DIF Statistics based on ELL Students for Items in Writing on Stage V

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
43	MC	1118	1363	9.97	1.00	0.11	B>	1549	933	13.89	1.14	0.13	B>	165	2317	0.50	-0.49	-0.04	A	294	2188	20.38	-1.71	-0.29	C<
44	MC	1118	1363	6.32	-0.51	-0.10	A	1549	933	6.06	-0.51	-0.10	A	165	2317	0.17	0.17	0.03	A	294	2188	6.89	-0.83	-0.16	A
45	MC	1118	1363	6.32	0.58	0.09	A	1549	933	1.79	-0.32	-0.06	A	165	2317	0.19	0.24	0.03	A	294	2188	39.48	-1.99	-0.39	C<
46	MC	1118	1363	0.14	0.08	0.02	A	1549	933	0.07	0.06	0.00	A	165	2317	0.97	0.41	0.08	A	294	2188	0.05	-0.08	-0.01	A
47	MC	2309	2919	6.10	-0.42	-0.07	A	3482	1748	2.89	-0.30	-0.05	A	321	4909	0.41	-0.23	-0.04	A	634	4596	2.50	0.41	0.07	A
48	MC	1118	1363	0.52	0.17	0.03	A	1549	933	0.09	0.07	0.00	A	165	2317	3.08	0.97	0.11	A	294	2188	0.00	0.01	0.00	A
49	MC	1118	1363	3.65	-0.41	-0.06	A	1549	933	1.88	0.30	0.06	A	165	2317	41.41	3.47	0.47	C>	294	2188	29.26	1.77	0.32	C>
50	MC	1118	1363	2.96	0.40	0.07	A	1549	933	37.78	-1.43	-0.25	B<	165	2317	3.00	-0.84	-0.15	A	294	2188	15.48	-1.73	-0.23	C<
51	MC	1118	1363	0.42	0.13	0.03	A	1549	933	1.92	-0.29	-0.05	A	165	2317	0.31	0.24	0.05	A	294	2188	4.43	-0.67	-0.13	A
52	MC	2309	2919	18.53	-0.63	-0.11	A	3482	1748	28.70	-0.84	-0.15	A	321	4909	37.45	2.26	0.32	C>	634	4596	32.24	1.27	0.23	B>
53	MC	1118	1363	1.25	0.27	0.04	A	1549	933	1.50	-0.30	-0.05	A	165	2317	1.70	-0.65	-0.08	A	294	2188	1.10	-0.34	-0.06	A
54	MC	1118	1363	2.25	-0.36	-0.06	A	1549	933	4.05	-0.48	-0.09	A	165	2317	0.78	0.39	0.08	A	294	2188	0.68	0.30	0.05	A
55	MC	1118	1363	1.85	-0.28	-0.05	A	1549	933	42.14	1.37	0.26	B>	165	2317	1.36	0.51	0.09	A	294	2188	0.44	0.21	0.04	A
56	MC	1118	1363	9.59	-0.67	-0.11	A	1549	933	5.07	0.49	0.07	A	165	2317	0.87	0.44	0.07	A	294	2188	0.21	0.15	0.03	A
57	MC	2309	2919	0.45	-0.11	-0.01	A	3482	1748	10.13	0.54	0.09	A	321	4909	0.00	-0.01	0.00	A	634	4596	0.01	-0.02	0.00	A
58	MC	1118	1363	18.31	0.89	0.15	A	1549	933	5.35	-0.49	-0.10	A	165	2317	5.39	-0.96	-0.17	A	294	2188	57.81	-2.39	-0.47	C<
59	MC	2309	2919	30.26	0.86	0.13	A	3482	1748	7.15	-0.44	-0.07	A	321	4909	10.18	-1.04	-0.15	B<	634	4596	17.14	-0.92	-0.17	A
60	MC	1118	1363	1.42	0.26	0.05	A	1549	933	0.70	-0.18	-0.03	A	165	2317	9.22	-1.36	-0.21	B<	294	2188	6.30	-0.79	-0.15	A
61	ER	1118	1363	35.12		0.15	A	1549	933	42.82		-0.04	A	165	2317	0.95		0.02	A	294	2188	9.89		0.00	A
62	ER	1118	1363	35.94		0.15	A	1549	933	55.29		-0.10	A	165	2317	4.11		0.07	A	294	2188	20.27		-0.03	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group

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Table A.120: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage V

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
43	MC	879	1603	15.46	1.32	0.15	B>	879	353	5.09	1.07	0.14	A	1250	353	0.40	-0.27	-0.04	A	19	353	1.40	-1.70	-0.27	A
44	MC	879	1603	2.52	-0.33	-0.06	A	879	353	0.01	-0.04	0.00	A	1250	353	1.76	0.39	0.08	A	19	353	0.12	0.40	0.08	A
45	MC	879	1603	0.01	0.02	0.00	A	879	353	0.11	0.11	0.02	A	1250	353	0.11	0.11	0.01	A	19	353	0.72	1.20	0.19	A
46	MC	879	1603	0.91	0.22	0.03	A	879	353	0.01	-0.04	0.00	A	1250	353	0.62	-0.26	-0.03	A	19	353	1.62	-1.98	-0.30	A
47	MC	2146	3084	1.02	-0.17	-0.03	A	2146	661	0.81	-0.24	-0.05	A	2423	661	0.12	-0.09	-0.02	A	35	661	0.91	-1.26	-0.16	A
48	MC	879	1603	0.60	-0.19	-0.03	A	879	353	0.13	-0.13	-0.02	A	1250	353	0.03	0.06	-0.01	A	19	353	3.14	2.88	0.38	A
49	MC	879	1603	0.92	-0.21	-0.03	A	879	353	6.85	-0.85	-0.15	A	1250	353	8.63	-0.91	-0.14	A	19	353	4.54	3.15	0.48	A
50	MC	879	1603	0.91	-0.23	-0.04	A	879	353	0.75	0.33	0.06	A	1250	353	3.84	0.71	0.12	A	19	353	0.01	-0.13	-0.03	A
51	MC	879	1603	0.17	-0.09	-0.02	A	879	353	2.38	0.48	0.10	A	1250	353	5.76	0.72	0.16	A	19	353	0.69	-1.02	-0.20	A
52	MC	2146	3084	58.37	-1.11	-0.20	B<	2146	661	33.98	-1.36	-0.23	B<	2423	661	1.62	-0.30	-0.03	A	35	661	0.15	0.36	0.06	A
53	MC	879	1603	0.00	0.00	0.00	A	879	353	0.81	-0.32	-0.05	A	1250	353	1.44	-0.42	-0.06	A	19	353	0.19	-0.59	-0.10	A
54	MC	879	1603	0.04	0.05	0.00	A	879	353	0.10	0.12	0.02	A	1250	353	0.03	0.07	0.04	A	19	353	0.21	0.59	0.11	A
55	MC	879	1603	10.27	0.69	0.13	A	879	353	3.31	0.58	0.11	A	1250	353	0.32	-0.17	-0.02	A	19	353	2.86	1.99	0.38	A
56	MC	879	1603	1.35	0.25	0.04	A	879	353	0.27	0.17	0.03	A	1250	353	0.10	-0.10	-0.01	A	19	353	0.39	-0.76	-0.13	A
57	MC	2146	3084	2.45	-0.25	-0.04	A	2146	661	1.65	-0.32	-0.06	A	2423	661	0.23	-0.12	-0.01	A	35	661	1.68	-1.57	-0.22	A
58	MC	879	1603	0.58	-0.16	-0.04	A	879	353	0.13	0.11	0.02	A	1250	353	1.88	0.42	0.04	A	19	353	0.85	1.07	0.21	A
59	MC	2146	3084	0.02	-0.02	0.00	A	2146	661	0.00	0.01	0.00	A	2423	661	0.03	0.04	0.00	A	35	661	0.09	-0.29	-0.05	A
60	MC	879	1603	0.29	0.12	0.02	A	879	353	3.87	0.66	0.11	A	1250	353	4.81	0.70	0.12	A	19	353	1.12	-1.23	-0.24	A
61	ER	879	1603	25.86		0.04	A	879	353	4.08		0.02	A	1250	353	14.69		-0.04	A	19	353	3.70		0.17	A
62	ER	879	1603	43.09		-0.02	A	879	353	12.22		-0.08	A	1250	353	6.24		-0.07	A	19	353	1.12		-0.07	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.121: DIF Statistics based on ELL and FEP Students for Items in Writing on Stage V

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
43	MC	1853	2482	6.35	-0.85	-0.05	A	0	4335				
44	MC	1853	2482	2.27	-0.27	-0.01	A	0	4335				
45	MC	1853	2482	0.65	-0.20	-0.02	A	0	4335				
46	MC	1853	2482	2.17	-0.27	-0.03	A	0	4335				
47	MC	3801	5230	0.00	-0.01	0.02	A	1	9030	0.25		-0.48	
48	MC	1853	2482	6.36	0.66	0.05	A	0	4335				
49	MC	1853	2482	88.93	1.94	0.26	C>	0	4335				
50	MC	1853	2482	31.70	-1.17	-0.20	B<	0	4335				
51	MC	1853	2482	0.24	-0.09	-0.01	A	0	4335				
52	MC	3801	5230	157.70	1.89	0.22	C>	1	9030	0.19		0.36	
53	MC	1853	2482	2.32	0.39	0.03	A	0	4335				
54	MC	1853	2482	7.84	-0.57	-0.14	A	0	4335				
55	MC	1853	2482	6.91	0.49	0.07	A	0	4335				
56	MC	1853	2482	13.28	0.79	0.09	A	0	4335				
57	MC	3801	5230	3.22	0.24	0.07	A	1	9030	0.49		-0.70	
58	MC	1853	2482	17.70	-0.81	-0.10	A	0	4335				
59	MC	3801	5230	6.53	-0.39	-0.03	A	1	9030	6.37		-1.91	
60	MC	1853	2482	2.28	-0.31	-0.02	A	0	4335				
61	ER	1853	2482	34.47		0.12	A	0	4335				
62	ER	1853	2482	28.66		0.11	A	0	4335				

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.122: DIF Statistics based on ELL Students for Items in Listening on Stage V

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	1118	1363	10.41	-0.74	-0.11	A	1549	933	1.08	0.24	0.03	A	165	2317	0.75	0.46	0.06	A	294	2188	0.06	0.08	0.01	A
2	MC	2309	2919	1.09	-0.17	-0.03	A	3482	1748	3.34	0.30	0.05	A	321	4909	0.58	0.28	0.04	A	634	4596	13.34	0.88	0.15	A
3	MC	1118	1363	13.50	-0.79	-0.14	A	1549	933	4.29	0.45	0.08	A	165	2317	5.53	1.13	0.17	A	294	2188	5.70	0.74	0.14	A
4	MC	2309	2919	3.11	-0.24	-0.05	A	3482	1748	5.34	0.33	0.07	A	321	4909	4.93	-0.63	-0.12	A	634	4596	11.74	0.70	0.15	A
5	MC	1118	1363	1.71	-0.27	-0.04	A	1549	933	0.49	0.15	0.03	A	165	2317	5.23	1.00	0.17	A	294	2188	12.09	1.08	0.21	B>
6	MC	1118	1363	5.54	-0.50	-0.08	A	1549	933	0.05	0.05	0.02	A	165	2317	1.45	0.51	0.08	A	294	2188	3.81	0.62	0.12	A
7	MC	1118	1363	1.94	-0.29	-0.05	A	1549	933	0.20	-0.10	-0.01	A	165	2317	0.02	0.07	0.01	A	294	2188	0.21	0.15	0.03	A
8	MC	1118	1363	8.94	-0.66	-0.12	A	1549	933	1.96	-0.31	-0.04	A	165	2317	4.19	0.98	0.14	A	294	2188	29.28	1.91	0.32	C>
9	MC	1118	1363	6.95	0.54	0.10	A	1549	933	0.25	-0.10	-0.02	A	165	2317	0.47	0.29	0.05	A	294	2188	3.37	0.57	0.11	A
10	MC	1118	1363	3.54	0.38	0.07	A	1549	933	0.08	0.06	0.01	A	165	2317	0.95	0.40	0.07	A	294	2188	1.91	-0.43	-0.08	A
11	MC	1118	1363	0.10	-0.06	-0.02	A	1549	933	1.07	0.21	0.04	A	165	2317	0.02	0.06	0.01	A	294	2188	0.49	0.21	0.05	A
12	MC	1118	1363	0.97	0.20	0.04	A	1549	933	5.50	0.50	0.09	A	165	2317	0.83	0.36	0.08	A	294	2188	6.80	0.82	0.16	A
13	MC	2309	2919	0.01	0.01	0.00	A	3482	1748	14.47	0.59	0.10	A	321	4909	0.01	-0.03	-0.01	A	634	4596	0.19	-0.10	-0.02	A
14	MC	1118	1363	1.65	-0.27	-0.04	A	1549	933	2.60	-0.35	-0.07	A	165	2317	2.73	0.74	0.12	A	294	2188	6.90	0.81	0.16	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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Table A.123: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage V

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	879	1603	0.10	-0.08	-0.02	A	879	353	0.19	0.15	0.03	A	1250	353	0.98	0.33	0.05	A	19	353	0.57	1.01	0.17	A
2	MC	2146	3084	0.20	-0.07	-0.01	A	2146	661	0.79	-0.22	-0.04	A	2423	661	0.67	-0.21	-0.03	A	35	661	0.60	0.87	0.13	A
3	MC	879	1603	0.07	0.06	0.01	A	879	353	0.05	-0.07	-0.01	A	1250	353	0.39	-0.19	-0.03	A	19	353	0.21	-0.57	-0.10	A
4	MC	2146	3084	1.78	0.18	0.04	A	2146	661	0.00	0.01	0.00	A	2423	661	1.07	-0.22	-0.06	A	35	661	0.23	-0.39	-0.08	A
5	MC	879	1603	0.01	0.02	0.01	A	879	353	0.57	0.24	0.05	A	1250	353	0.77	0.27	0.08	A	19	353	0.49	0.78	0.17	A
6	MC	879	1603	0.00	0.00	0.00	A	879	353	2.74	0.54	0.10	A	1250	353	4.80	0.68	0.13	A	19	353	2.29	1.62	0.34	A
7	MC	879	1603	0.16	-0.09	-0.02	A	879	353	0.00	-0.02	0.00	A	1250	353	0.08	0.09	0.03	A	19	353	1.50	-1.23	-0.29	A
8	MC	879	1603	11.30	-0.77	-0.13	A	879	353	11.87	-1.18	-0.19	B<	1250	353	2.08	-0.48	-0.08	A	19	353	0.17	-0.53	-0.09	A
9	MC	879	1603	1.54	-0.26	-0.05	A	879	353	3.04	-0.54	-0.10	A	1250	353	1.53	-0.37	-0.06	A	19	353	1.01	-1.15	-0.23	A
10	MC	879	1603	0.28	0.11	0.03	A	879	353	0.13	-0.11	-0.02	A	1250	353	1.22	-0.33	-0.07	A	19	353	0.11	0.36	0.08	A
11	MC	879	1603	0.45	-0.14	-0.03	A	879	353	1.36	-0.36	-0.07	A	1250	353	0.82	-0.27	-0.05	A	19	353	0.05	0.27	0.06	A
12	MC	879	1603	2.89	0.36	0.07	A	879	353	0.88	0.30	0.05	A	1250	353	0.08	-0.09	-0.02	A	19	353	2.53	1.70	0.36	A
13	MC	2146	3084	2.41	0.23	0.04	A	2146	661	1.35	0.26	0.05	A	2423	661	0.10	0.07	0.03	A	35	661	1.32	-1.09	-0.20	A
14	MC	879	1603	6.73	-0.55	-0.10	A	879	353	0.16	0.13	0.02	A	1250	353	8.36	0.91	0.17	A	19	353	0.26	0.57	0.11	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.124: DIF Statistics based on ELL and FEP Students for Items in Listening on Stage V

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	MC	1853	2482	7.38	0.67	0.06	A	0	4335				
2	MC	3801	5230	56.90	1.38	0.11	B>	1	9030	0.11		0.25	
3	MC	1853	2482	49.82	1.51	0.18	C>	0	4335				
4	MC	3801	5230	15.85	0.48	0.10	A	1	9030	1.69		-1.27	
5	MC	1853	2482	5.79	0.45	0.07	A	0	4335				
6	MC	1853	2482	0.27	0.10	0.00	A	0	4335				
7	MC	1853	2482	2.20	0.31	0.04	A	0	4335				
8	MC	1853	2482	27.00	1.16	0.12	B>	0	4335				
9	MC	1853	2482	3.20	0.34	0.05	A	0	4335				
10	MC	1853	2482	0.33	-0.11	-0.01	A	0	4335				
11	MC	1853	2482	1.24	0.19	0.03	A	0	4335				
12	MC	1853	2482	18.52	0.74	0.14	A	0	4335				
13	MC	3801	5230	0.36	0.08	0.03	A	1	9030	1.16		-1.08	
14	MC	1853	2482	3.03	0.33	0.02	A	0	4335				

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group..

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Table A.125: DIF Statistics based on ELL Students for Items in Speaking on Stage V

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	1118	1363	14.42		-0.05	A	1549	933	38.86		0.21	B>	165	2317	20.45		0.24	B>	294	2188	93.29		0.45	C>
64	SA4	2309	2919	11.20		0.05	A	3482	1748	11.73		0.01	A	321	4909	15.12		-0.03	A	634	4596	8.41		-0.03	A
65	SA4	1118	1363	2.71		-0.03	A	1549	933	9.95		0.04	A	165	2317	65.95		0.27	C>	294	2188	21.50		0.22	B>
66	SA4	1118	1363	13.48		-0.09	A	1549	933	12.28		0.11	A	165	2317	6.41		0.11	A	294	2188	17.45		0.23	B>
67	SA4	1118	1363	3.88		0.04	A	1549	933	3.02		0.01	A	165	2317	2.57		-0.06	A	294	2188	16.26		0.20	B>
68	SA4	2309	2919	11.68		0.01	A	3482	1748	12.41		-0.08	A	321	4909	4.77		0.06	A	634	4596	144.00		0.44	C>
69	SA4	1118	1363	44.51		0.17	A	1549	933	11.15		-0.10	A	165	2317	5.10		-0.07	A	294	2188	1.48		0.05	A
70	SA4	1118	1363	6.25		-0.06	A	1549	933	28.53		0.00	A	165	2317	56.16		0.40	C>	294	2188	87.44		0.45	C>

Note: SA4=4 Point Short Answer, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.126: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage V

		Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	879	1603	13.37		0.11	A	879	353	4.31		-0.03	A	1250	353	15.40		-0.17	A	19	353	3.19		0.27	A
64	SA4	2146	3084	17.20		0.03	A	2146	661	7.02		0.05	A	2423	661	2.79		0.02	A	35	661	18.88		0.29	C>
65	SA4	879	1603	5.00		0.04	A	879	353	1.31		-0.03	A	1250	353	4.82		-0.09	A	19	353	4.06		0.10	A
66	SA4	879	1603	8.10		0.10	A	879	353	0.62		0.03	A	1250	353	4.23		-0.10	A	19	353	1.39		0.01	A
67	SA4	879	1603	5.55		0.04	A	879	353	3.93		-0.02	A	1250	353	2.62		-0.08	A	19	353	2.53		0.10	A
68	SA4	2146	3084	26.20		-0.11	A	2146	661	16.23		-0.15	A	2423	661	7.52		-0.05	A	35	661	2.35		0.10	A
69	SA4	879	1603	0.69		0.01	A	879	353	0.89		-0.04	A	1250	353	2.40		-0.07	A	19	353	1.31		0.18	A
70	SA4	879	1603	31.44		-0.12	A	879	353	27.68		-0.26	C<	1250	353	19.88		-0.16	A	19	353	4.01		0.18	A

Note: SA4=4 Point Short Answer, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

Table A.127: DIF Statistics based on ELL and FEP Students for Items in Speaking on Stage V

		Focal Group: ELL Reference Group: FEP						Focal Group: FRL (ELL and FEP) Reference Group: Non-FRL (ELL and FEP)					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
63	SA4	1853	2482	70.64		0.16	A	0	4335				
64	SA4	3801	5230	17.18		0.05	A	1	9030	0.36		0.29	A
65	SA4	1853	2482	44.37		0.12	A	0	4335				
66	SA4	1853	2482	35.94		0.11	A	0	4335				
67	SA4	1853	2482	34.37		0.09	A	0	4335				
68	SA4	3801	5230	157.29		0.20	B>	1	9030			0.43	C>
69	SA4	1853	2482	2.48		0.00	A	0	4335				

Note: SA4=4 Point Short Answer, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ^2=Mantel-Haenszel Chi-Square, ΔMH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group.

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In addition to the Mantel-Haenszel and SMD methods, both uniform and non-uniform DIF were investigated for the Stages II through V Placement tests by a logistic regression method (Crane et al., 2006; Paek, 2012; Swaminathan & Rogers, 1990; Zumbo, 1999). The logistic regression DIF statistics are presented in Table A.128 through Table A.287. These tables correspond to Table 10.77 through Table 10.260 for the 2014 Spring Reassessment.

Table A.128: Logistic Regression DIF Results on Stage II Reading Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	13574	15360	0.00	0.01	0.937	0.34	9.48	0.002	-0.01	10.28	0.001	NonUniform
16	MC	13574	15360	-0.04	1.72	0.189	0.31	5.79	0.016	-0.01	7.80	0.005	NonUniform
17	MC	6755	7727	-0.05	1.52	0.218	0.22	1.78	0.182	-0.01	2.92	0.087	
18	MC	6755	7727	-0.02	0.43	0.511	-0.41	8.54	0.003	0.01	8.11	0.004	NonUniform
19	MC	6755	7727	0.01	0.06	0.807	0.30	3.47	0.062	-0.01	3.48	0.062	
20	MC	6755	7727	0.21	19.11	0.000	0.32	2.58	0.108	0.00	0.32	0.574	Uniform>
21	MC	6755	7727	0.12	8.41	0.004	-0.25	1.64	0.200	0.01	3.80	0.051	Uniform>
22	MC	6755	7727	0.11	7.73	0.005	0.37	4.59	0.032	-0.01	2.40	0.122	Uniform>
23	MC	6755	7727	0.03	0.53	0.467	-0.15	0.89	0.346	0.00	1.30	0.255	
24	MC	6755	7727	0.02	0.26	0.612	-0.44	7.10	0.008	0.01	8.22	0.004	NonUniform
25	MC	6755	7727	0.29	48.95	0.000	0.61	9.10	0.003	-0.01	2.68	0.102	Uniform>
26	MC	6755	7727	0.05	2.24	0.134	0.01	0.00	0.947	0.00	0.08	0.779	
27	MC	6755	7727	0.04	1.18	0.277	-0.03	0.02	0.875	0.00	0.17	0.676	
28	MC	6755	7727	0.08	3.56	0.059	0.28	2.66	0.103	0.00	1.50	0.221	
29	MC	13574	15360	-0.08	8.80	0.003	0.14	1.46	0.227	0.00	3.73	0.053	Uniform<
30	MC	13574	15360	0.04	2.85	0.092	-0.11	0.98	0.321	0.00	1.97	0.160	
31	MC	13574	15360	-0.25	93.60	0.000	0.21	3.37	0.066	-0.01	16.72	0.000	NonUniform
32	MC	6755	7727	0.09	3.47	0.062	-0.14	0.42	0.517	0.01	1.11	0.292	
33	MC	6755	7727	0.10	7.38	0.007	-0.11	0.48	0.488	0.00	1.81	0.179	Uniform>
34	MC	6755	7727	-0.01	0.11	0.744	-0.25	2.24	0.135	0.00	2.13	0.144	
50	SA1	6755	7727	-0.13	11.49	0.001	-0.05	0.09	0.758	0.00	0.22	0.641	Uniform<
51	SA1	6755	7727	-0.33	32.02	0.000	0.02	0.01	0.928	-0.01	2.05	0.152	Uniform<
52	SA3	6755	7727	-0.34	119.88	0.000	-0.22	2.86	0.091	0.00	0.85	0.358	Uniform<

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.129: Logistic Regression DIF Results on Stage II Reading Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	25070	3869	-0.01	0.06	0.810	0.55	11.94	0.001	-0.01	13.18	0.000	NonUniform
16	MC	25070	3869	0.13	8.67	0.003	-0.40	5.16	0.023	0.01	9.72	0.002	NonUniform
17	MC	12589	1894	-0.34	27.14	0.000	0.04	0.02	0.878	-0.01	2.62	0.105	Uniform<
18	MC	12589	1894	-0.07	1.78	0.182	0.02	0.01	0.931	0.00	0.20	0.655	
19	MC	12589	1894	-0.02	0.10	0.749	0.28	1.49	0.223	-0.01	1.84	0.175	
20	MC	12589	1894	-0.14	3.41	0.065	-0.32	1.27	0.260	0.00	0.45	0.504	
21	MC	12589	1894	-0.12	3.29	0.070	-0.06	0.05	0.832	0.00	0.04	0.842	
22	MC	12589	1894	0.01	0.04	0.842	-0.26	1.15	0.284	0.01	1.33	0.249	
23	MC	12589	1894	-0.04	0.67	0.415	-0.07	0.10	0.747	0.00	0.02	0.894	
24	MC	12589	1894	-0.02	0.07	0.784	-0.03	0.02	0.898	0.00	0.00	0.950	
25	MC	12589	1894	-0.09	2.33	0.127	-0.83	8.71	0.003	0.01	7.17	0.007	NonUniform
26	MC	12589	1894	-0.04	0.46	0.498	-0.45	4.07	0.044	0.01	3.64	0.056	
27	MC	12589	1894	0.00	0.00	0.983	-0.29	1.46	0.227	0.01	1.56	0.211	
28	MC	12589	1894	-0.07	1.30	0.255	-0.35	2.02	0.155	0.01	1.39	0.239	
29	MC	25070	3869	-0.01	0.06	0.808	0.24	2.13	0.144	0.00	2.44	0.119	
30	MC	25070	3869	-0.04	1.05	0.305	-0.01	0.00	0.948	0.00	0.03	0.859	
31	MC	25070	3869	-0.13	11.93	0.001	0.27	2.64	0.104	-0.01	6.10	0.014	Uniform<
32	MC	12589	1894	-0.11	2.29	0.130	-0.37	1.38	0.240	0.01	0.74	0.389	
33	MC	12589	1894	0.06	1.30	0.253	0.18	0.63	0.428	0.00	0.30	0.586	
34	MC	12589	1894	-0.08	2.11	0.147	-0.05	0.05	0.819	0.00	0.01	0.915	
50	SA1	12589	1894	0.11	3.53	0.060	0.05	0.04	0.844	0.00	0.06	0.810	
51	SA1	12589	1894	0.48	23.45	0.000	0.82	3.53	0.060	-0.01	0.65	0.420	Uniform>
52	SA3	12589	1894	0.01	0.02	0.897	0.08	0.19	0.660	0.00	0.18	0.675	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.130: Logistic Regression DIF Results on Stage II Reading Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1961	26978	0.10	2.82	0.093	0.07	0.10	0.752	0.00	0.01	0.916	
16	MC	1961	26978	-0.05	0.59	0.443	0.38	2.24	0.134	-0.01	2.99	0.084	
17	MC	1011	13472	0.23	7.27	0.007	-0.57	2.49	0.115	0.02	5.11	0.024	Uniform>
18	MC	1011	13472	-0.21	9.73	0.002	-0.62	4.45	0.035	0.01	2.06	0.151	Uniform<
19	MC	1011	13472	-0.10	1.51	0.219	-0.80	5.46	0.019	0.02	4.37	0.036	
20	MC	1011	13472	0.04	0.20	0.651	-0.68	2.34	0.126	0.02	2.75	0.097	
21	MC	1011	13472	0.00	0.00	0.967	0.26	0.47	0.491	-0.01	0.48	0.486	
22	MC	1011	13472	0.09	1.47	0.226	0.35	1.04	0.307	-0.01	0.59	0.443	
23	MC	1011	13472	0.04	0.38	0.536	-0.13	0.15	0.695	0.00	0.29	0.589	
24	MC	1011	13472	0.14	3.00	0.083	-0.47	1.72	0.190	0.01	3.00	0.083	
25	MC	1011	13472	0.08	0.92	0.338	-0.02	0.00	0.962	0.00	0.06	0.810	
26	MC	1011	13472	-0.08	1.19	0.275	-0.27	0.68	0.411	0.00	0.36	0.546	
27	MC	1011	13472	-0.07	0.91	0.339	0.03	0.01	0.922	0.00	0.10	0.750	
28	MC	1011	13472	-0.02	0.08	0.778	0.13	0.14	0.713	0.00	0.20	0.657	
29	MC	1961	26978	0.02	0.21	0.646	0.57	6.31	0.012	-0.01	6.04	0.014	
30	MC	1961	26978	-0.03	0.47	0.494	-0.13	0.30	0.584	0.00	0.17	0.682	
31	MC	1961	26978	0.10	4.29	0.038	0.18	0.66	0.418	0.00	0.13	0.718	
32	MC	1011	13472	0.12	1.88	0.171	0.36	0.69	0.406	-0.01	0.31	0.577	
33	MC	1011	13472	0.03	0.19	0.661	-0.14	0.18	0.673	0.00	0.28	0.597	
34	MC	1011	13472	0.00	0.00	0.972	0.16	0.23	0.630	0.00	0.25	0.616	
50	SA1	1011	13472	-0.08	1.14	0.285	0.05	0.02	0.879	0.00	0.15	0.695	
51	SA1	1011	13472	-0.18	2.28	0.131	-0.40	0.52	0.469	0.00	0.17	0.681	
52	SA3	1011	13472	-0.27	19.32	0.000	-0.21	0.59	0.441	0.00	0.05	0.827	Uniform<

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.131: Logistic Regression DIF Results on Stage II Reading Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2629	26310	0.00	0.00	0.988	-0.38	4.61	0.032	0.01	4.95	0.026	
16	MC	2629	26310	0.09	3.18	0.075	0.87	20.80	0.000	-0.02	18.11	0.000	NonUniform
17	MC	1370	13113	0.02	0.13	0.714	-0.57	4.85	0.028	0.01	5.61	0.018	
18	MC	1370	13113	0.16	7.52	0.006	0.82	15.19	0.000	-0.01	10.59	0.001	NonUniform
19	MC	1370	13113	0.02	0.12	0.724	-0.47	3.61	0.058	0.01	4.26	0.039	
20	MC	1370	13113	-0.07	0.89	0.346	0.17	0.34	0.559	-0.01	0.72	0.396	
21	MC	1370	13113	-0.09	1.71	0.191	0.67	5.56	0.018	-0.02	7.59	0.006	NonUniform
22	MC	1370	13113	0.00	0.00	0.974	-0.42	2.31	0.129	0.01	2.47	0.116	
23	MC	1370	13113	0.02	0.07	0.786	0.65	7.69	0.006	-0.01	7.80	0.005	NonUniform
24	MC	1370	13113	0.04	0.43	0.513	0.84	12.27	0.000	-0.02	11.98	0.001	NonUniform
25	MC	1370	13113	0.12	2.81	0.094	0.11	0.12	0.733	0.00	0.00	0.985	
26	MC	1370	13113	-0.11	3.21	0.073	0.95	16.40	0.000	-0.02	21.89	0.000	NonUniform
27	MC	1370	13113	0.08	1.57	0.210	0.59	5.62	0.018	-0.01	4.49	0.034	
28	MC	1370	13113	0.02	0.14	0.709	-0.02	0.01	0.941	0.00	0.03	0.864	
29	MC	2629	26310	-0.01	0.09	0.764	-0.13	0.50	0.482	0.00	0.42	0.516	
30	MC	2629	26310	0.03	0.38	0.540	1.01	35.06	0.000	-0.02	35.37	0.000	NonUniform
31	MC	2629	26310	0.20	18.93	0.000	0.08	0.18	0.671	0.00	0.43	0.514	Uniform>
32	MC	1370	13113	0.03	0.12	0.729	0.10	0.08	0.778	0.00	0.05	0.832	
33	MC	1370	13113	0.13	4.28	0.039	0.21	0.75	0.388	0.00	0.12	0.728	
34	MC	1370	13113	0.27	18.67	0.000	0.89	13.31	0.000	-0.01	6.80	0.009	NonUniform
50	SA1	1370	13113	0.02	0.13	0.723	0.50	3.69	0.055	-0.01	3.54	0.060	
51	SA1	1370	13113	-0.13	1.40	0.237	0.38	0.92	0.337	-0.01	1.73	0.188	
52	SA3	1370	13113	0.18	10.80	0.001	1.02	26.80	0.000	-0.02	19.72	0.000	NonUniform

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.132: Logistic Regression DIF Results on Stage II Reading Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	20293	8646	-0.12	15.38	0.000	0.39	10.43	0.001	-0.01	19.27	0.000	NonUniform
16	MC	20293	8646	0.05	2.67	0.102	-0.23	2.85	0.091	0.01	4.61	0.032	
17	MC	10159	4324	-0.14	8.94	0.003	0.24	1.82	0.178	-0.01	4.85	0.028	Uniform<
18	MC	10159	4324	-0.08	4.18	0.041	-0.06	0.18	0.670	0.00	0.01	0.921	
19	MC	10159	4324	-0.07	2.15	0.143	-0.01	0.01	0.941	0.00	0.12	0.734	
20	MC	10159	4324	-0.01	0.01	0.920	-0.51	5.87	0.015	0.01	6.15	0.013	
21	MC	10159	4324	0.01	0.03	0.872	-0.29	1.87	0.171	0.01	2.07	0.150	
22	MC	10159	4324	-0.02	0.31	0.579	0.06	0.12	0.728	0.00	0.24	0.625	
23	MC	10159	4324	-0.01	0.05	0.830	-0.07	0.17	0.678	0.00	0.14	0.707	
24	MC	10159	4324	-0.03	0.40	0.526	-0.42	5.61	0.018	0.01	5.21	0.022	
25	MC	10159	4324	0.05	1.23	0.267	-0.56	6.68	0.010	0.01	8.27	0.004	NonUniform
26	MC	10159	4324	-0.01	0.08	0.782	-0.25	2.21	0.137	0.00	2.13	0.144	
27	MC	10159	4324	-0.05	1.61	0.205	-0.33	3.41	0.065	0.01	2.54	0.111	
28	MC	10159	4324	-0.01	0.12	0.734	-0.26	1.97	0.161	0.01	1.85	0.173	
29	MC	20293	8646	0.02	0.72	0.395	-0.02	0.02	0.896	0.00	0.11	0.736	
30	MC	20293	8646	-0.02	0.75	0.385	0.06	0.25	0.617	0.00	0.51	0.474	
31	MC	20293	8646	-0.02	0.79	0.373	0.17	1.86	0.172	0.00	2.58	0.108	
32	MC	10159	4324	0.01	0.03	0.864	-0.66	7.76	0.005	0.01	8.35	0.004	NonUniform
33	MC	10159	4324	0.05	1.38	0.240	0.00	0.00	0.994	0.00	0.07	0.787	
34	MC	10159	4324	-0.04	0.86	0.353	-0.03	0.04	0.850	0.00	0.00	0.983	
50	SA1	10159	4324	0.03	0.60	0.437	0.23	1.58	0.209	0.00	1.23	0.267	
51	SA1	10159	4324	0.18	8.17	0.004	0.05	0.03	0.860	0.00	0.26	0.611	Uniform>
52	SA3	10159	4324	0.10	8.63	0.003	-0.16	1.24	0.266	0.00	3.50	0.061	Uniform>

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.133: Logistic Regression DIF Results on Stage II Reading Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	20293	4344	-0.23	31.47	0.000	0.17	1.01	0.314	-0.01	5.94	0.015	Uniform<
16	MC	20293	4344	0.04	0.88	0.349	0.40	3.93	0.048	-0.01	3.31	0.069	
17	MC	10159	2215	-0.14	5.86	0.016	0.13	0.29	0.588	-0.01	1.34	0.247	
18	MC	10159	2215	-0.03	0.29	0.588	0.31	2.10	0.147	-0.01	2.62	0.105	
19	MC	10159	2215	0.05	0.79	0.375	0.20	0.66	0.416	0.00	0.37	0.540	
20	MC	10159	2215	0.10	2.01	0.156	0.26	0.69	0.406	0.00	0.28	0.597	
21	MC	10159	2215	0.08	1.80	0.180	0.06	0.04	0.846	0.00	0.01	0.934	
22	MC	10159	2215	-0.03	0.37	0.544	0.58	4.86	0.027	-0.01	5.68	0.017	
23	MC	10159	2215	-0.06	1.43	0.232	0.08	0.11	0.743	0.00	0.36	0.547	
24	MC	10159	2215	0.03	0.37	0.544	-0.19	0.63	0.427	0.00	0.92	0.338	
25	MC	10159	2215	0.18	9.36	0.002	0.24	0.62	0.430	0.00	0.05	0.831	Uniform>
26	MC	10159	2215	0.03	0.28	0.596	0.44	3.29	0.069	-0.01	3.04	0.081	
27	MC	10159	2215	0.00	0.00	0.964	0.17	0.45	0.504	0.00	0.45	0.500	
28	MC	10159	2215	0.02	0.14	0.707	-0.04	0.03	0.872	0.00	0.06	0.803	
29	MC	20293	4344	0.06	2.26	0.133	-0.07	0.15	0.695	0.00	0.55	0.460	
30	MC	20293	4344	0.00	0.02	0.898	0.65	13.86	0.000	-0.01	14.30	0.000	NonUniform
31	MC	20293	4344	0.02	0.46	0.496	0.22	1.76	0.184	0.00	1.47	0.226	
32	MC	10159	2215	0.14	4.86	0.027	-0.12	0.13	0.720	0.01	0.66	0.418	
33	MC	10159	2215	0.09	3.13	0.077	0.36	2.33	0.127	-0.01	1.39	0.238	
34	MC	10159	2215	0.03	0.37	0.541	0.46	3.49	0.062	-0.01	3.18	0.075	
50	SA1	10159	2215	0.05	0.98	0.323	0.17	0.43	0.510	0.00	0.21	0.647	
51	SA1	10159	2215	0.13	2.35	0.125	-0.70	3.94	0.047	0.02	5.64	0.018	
52	SA3	10159	2215	0.22	24.70	0.000	0.11	0.30	0.585	0.00	0.34	0.559	Uniform>

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.134: Logistic Regression DIF Results on Stage II Reading Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	4302	4344	-0.20	13.76	0.000	-0.32	2.49	0.115	0.00	0.39	0.530	Uniform<
16	MC	4302	4344	-0.04	0.59	0.442	1.06	20.56	0.000	-0.02	23.55	0.000	NonUniform
17	MC	2109	2215	0.00	0.00	0.969	-0.18	0.34	0.558	0.00	0.38	0.537	
18	MC	2109	2215	0.11	2.65	0.104	0.63	6.17	0.013	-0.01	4.58	0.032	
19	MC	2109	2215	0.26	10.44	0.001	0.30	1.07	0.300	0.00	0.02	0.885	Uniform>
20	MC	2109	2215	0.17	3.77	0.052	1.23	11.81	0.001	-0.02	9.29	0.002	NonUniform
21	MC	2109	2215	0.14	3.27	0.071	0.60	2.94	0.086	-0.01	1.82	0.178	
22	MC	2109	2215	-0.02	0.09	0.770	0.90	8.26	0.004	-0.02	9.12	0.003	NonUniform
23	MC	2109	2215	-0.11	2.83	0.092	0.27	0.90	0.344	-0.01	1.89	0.169	
24	MC	2109	2215	0.11	2.31	0.128	0.37	1.64	0.201	-0.01	0.87	0.352	
25	MC	2109	2215	0.24	10.61	0.001	1.41	15.30	0.000	-0.02	10.95	0.001	NonUniform
26	MC	2109	2215	0.07	1.06	0.303	1.20	17.58	0.000	-0.02	16.54	0.000	NonUniform
27	MC	2109	2215	0.10	2.20	0.138	0.85	8.28	0.004	-0.02	6.76	0.009	NonUniform
28	MC	2109	2215	0.07	0.79	0.374	0.38	1.50	0.220	-0.01	1.09	0.297	
29	MC	4302	4344	0.06	1.77	0.184	-0.10	0.22	0.637	0.00	0.65	0.421	
30	MC	4302	4344	0.06	1.55	0.214	1.01	24.07	0.000	-0.02	22.58	0.000	NonUniform
31	MC	4302	4344	0.11	5.26	0.022	0.08	0.16	0.691	0.00	0.02	0.900	
32	MC	2109	2215	0.25	9.03	0.003	0.91	5.50	0.019	-0.01	3.02	0.082	Uniform>
33	MC	2109	2215	0.09	1.72	0.190	0.64	4.97	0.026	-0.01	3.93	0.047	
34	MC	2109	2215	0.14	4.41	0.036	0.87	8.59	0.003	-0.01	6.35	0.012	
50	SA1	2109	2215	0.05	0.47	0.495	-0.13	0.16	0.689	0.00	0.32	0.569	
51	SA1	2109	2215	-0.12	1.25	0.264	-1.48	9.78	0.002	0.03	8.74	0.003	NonUniform
52	SA3	2109	2215	0.23	17.08	0.000	0.45	3.67	0.055	0.00	0.89	0.344	Uniform>

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.135: Logistic Regression DIF Results on Stage II Reading Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	262	4344	-0.45	9.88	0.002	-0.81	1.49	0.222	0.01	0.31	0.577	Uniform<
16	MC	262	4344	0.10	0.38	0.539	0.82	1.23	0.268	-0.02	1.00	0.316	
17	MC	93	2215	-0.07	0.07	0.797	-0.05	0.00	0.963	0.00	0.00	0.989	
18	MC	93	2215	-0.46	4.38	0.036	-0.92	0.78	0.377	0.01	0.20	0.652	
19	MC	93	2215	0.07	0.08	0.782	-2.67	3.66	0.056	0.06	3.88	0.049	
20	MC	93	2215	0.21	0.46	0.499	1.60	1.69	0.194	-0.03	1.39	0.238	
21	MC	93	2215	0.17	0.41	0.523	0.46	0.13	0.720	-0.01	0.05	0.816	
22	MC	93	2215	0.03	0.02	0.898	0.59	0.26	0.609	-0.01	0.25	0.620	
23	MC	93	2215	0.40	3.07	0.080	0.04	0.00	0.969	0.01	0.11	0.735	
24	MC	93	2215	0.05	0.04	0.845	-0.16	0.02	0.886	0.00	0.04	0.849	
25	MC	93	2215	0.19	0.58	0.447	1.81	2.33	0.127	-0.03	1.95	0.162	
26	MC	93	2215	0.41	3.10	0.079	1.64	2.70	0.101	-0.03	1.61	0.205	
27	MC	93	2215	-0.13	0.28	0.594	-0.80	0.42	0.518	0.01	0.31	0.579	
28	MC	93	2215	-0.43	3.29	0.070	-0.30	0.06	0.799	0.00	0.01	0.905	
29	MC	262	4344	0.07	0.26	0.609	0.90	1.96	0.162	-0.02	1.71	0.191	
30	MC	262	4344	-0.03	0.05	0.818	2.03	11.33	0.001	-0.04	12.21	0.000	NonUniform
31	MC	262	4344	0.36	7.19	0.007	-0.52	0.56	0.455	0.02	1.67	0.197	Uniform>
32	MC	93	2215	0.21	0.55	0.456	-0.15	0.01	0.923	0.01	0.06	0.812	
33	MC	93	2215	0.36	2.53	0.112	1.74	3.23	0.072	-0.03	2.14	0.144	
34	MC	93	2215	0.33	2.03	0.155	0.63	0.32	0.569	-0.01	0.08	0.783	
50	SA1	93	2215	0.30	1.60	0.206	-0.67	0.32	0.573	0.02	0.70	0.402	
51	SA1	93	2215	-1.47	4.19	0.041	-4.19	1.14	0.285	0.05	0.55	0.457	
52	SA3	93	2215	-0.33	2.71	0.100	-0.17	0.03	0.854	0.00	0.03	0.862	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.136: Logistic Regression DIF Results on Stage II Reading Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	12407	28939	0.19	31.50	0.000	-0.09	0.28	0.595	0.00	3.15	0.076	Uniform>
16	MC	12407	28939	0.43	97.40	0.000	-0.63	9.28	0.002	0.02	27.03	0.000	NonUniform
17	MC	6489	14483	0.15	8.15	0.004	0.00	0.00	0.988	0.00	0.44	0.508	Uniform>
18	MC	6489	14483	0.14	13.91	0.000	-2.16	121.98	0.000	0.04	143.27	0.000	NonUniform
19	MC	6489	14483	0.06	1.60	0.206	-0.38	2.74	0.098	0.01	3.93	0.047	
20	MC	6489	14483	0.26	13.01	0.000	-0.65	3.88	0.049	0.02	7.83	0.005	NonUniform
21	MC	6489	14483	0.26	24.28	0.000	-1.29	20.87	0.000	0.03	31.06	0.000	NonUniform
22	MC	6489	14483	0.14	8.68	0.003	-1.69	49.66	0.000	0.03	59.66	0.000	NonUniform
23	MC	6489	14483	0.26	47.38	0.000	-1.26	38.73	0.000	0.03	58.33	0.000	NonUniform
24	MC	6489	14483	0.16	10.97	0.001	-2.22	79.42	0.000	0.04	93.32	0.000	NonUniform
25	MC	6489	14483	0.15	9.42	0.002	-1.94	48.35	0.000	0.04	57.37	0.000	NonUniform
26	MC	6489	14483	0.29	55.19	0.000	-2.24	104.03	0.000	0.04	137.05	0.000	NonUniform
27	MC	6489	14483	0.15	12.32	0.000	-1.62	49.16	0.000	0.03	60.91	0.000	NonUniform
28	MC	6489	14483	0.07	2.22	0.137	-0.78	11.10	0.001	0.02	13.73	0.000	NonUniform
29	MC	12407	28939	0.17	43.05	0.000	-2.22	213.73	0.000	0.04	258.32	0.000	NonUniform
30	MC	12407	28939	0.27	91.57	0.000	-2.42	223.39	0.000	0.05	284.53	0.000	NonUniform
31	MC	12407	28939	0.23	73.08	0.000	-2.33	214.94	0.000	0.04	269.10	0.000	NonUniform
32	MC	6489	14483	0.15	5.70	0.017	-1.40	17.51	0.000	0.03	21.84	0.000	NonUniform
33	MC	6489	14483	0.15	15.94	0.000	-2.28	114.98	0.000	0.04	135.38	0.000	NonUniform
34	MC	6489	14483	0.11	7.66	0.006	-1.76	66.58	0.000	0.03	77.67	0.000	NonUniform
50	SA1	6489	14483	-0.09	6.66	0.010	-0.87	17.27	0.000	0.01	14.26	0.000	NonUniform
51	SA1	6489	14483	-0.06	1.35	0.246	-0.31	1.07	0.300	0.00	0.71	0.400	
52	SA3	6489	14483	0.04	1.83	0.176	-1.88	125.47	0.000	0.03	135.75	0.000	NonUniform

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.137: Logistic Regression DIF Results on Stage II Reading Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	4	41342	0.71	0.37	0.543	-10.79	0.31	0.575	0.33	0.34	0.563	
16	MC	4	41342	-0.08	0.01	0.937	-2.38	0.08	0.776	0.06	0.08	0.783	
17	MC	1	20971	9.30	0.01	0.943	9.30	0.01	0.943	0.00			
18	MC	1	20971	-9.16	0.01	0.932	-9.16	0.01	0.932	0.00			
19	MC	1	20971	-10.55	0.01	0.941	-10.55	0.01	0.941	0.00			
20	MC	1	20971	9.43	0.00	0.949	9.43	0.00	0.949	0.00			
21	MC	1	20971	-9.40	0.00	0.946	-9.40	0.00	0.946	0.00			
22	MC	1	20971	-9.13	0.01	0.940	-9.13	0.01	0.940	0.00			
23	MC	1	20971	10.09	0.01	0.921	10.09	0.01	0.921	0.00			
24	MC	1	20971	-9.69	0.00	0.944	-9.69	0.00	0.944	0.00			
25	MC	1	20971	-8.32	0.01	0.941	-8.32	0.01	0.941	0.00			
26	MC	1	20971	10.14	0.01	0.921	10.14	0.01	0.921	0.00			
27	MC	1	20971	9.89	0.01	0.928	9.89	0.01	0.928	0.00			
28	MC	1	20971	-9.56	0.00	0.944	-9.56	0.00	0.944	0.00			
29	MC	4	41342	-8.85	0.01	0.919	-7.05	0.00	0.991	-0.05	0.00	0.998	
30	MC	4	41342	2.08	3.17	0.075	-647.93	0.01	0.925	19.97	0.01	0.925	
31	MC	4	41342	-0.08	0.00	0.945	0.95	0.01	0.909	-0.03	0.02	0.901	
32	MC	1	20971	-9.91	0.00	0.953	-9.91	0.00	0.953	0.00			
33	MC	1	20971	-8.25	0.01	0.935	-8.25	0.01	0.935	0.00			
34	MC	1	20971	-8.30	0.01	0.935	-8.30	0.01	0.935	0.00			
50	SA1	1	20971	-7.85	0.00	0.944	-7.85	0.00	0.944	0.00			
51	SA1	1	20971	-7.76	0.00	0.965	-7.76	0.00	0.965	0.00			
52	SA3	1	20971	-8.69	0.01	0.906	-8.69	0.01	0.906	0.00			

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.138: Logistic Regression DIF Results on Stage II Writing Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	13574	15360	0.16	24.56	0.000	0.13	0.94	0.331	0.00	0.05	0.829	Uniform>
36	MC	6755	7727	0.06	2.99	0.084	-0.12	0.64	0.422	0.00	1.54	0.215	
37	MC	6755	7727	0.20	33.40	0.000	0.17	1.34	0.248	0.00	0.06	0.806	Uniform>
38	MC	6755	7727	0.03	0.70	0.402	-0.14	0.74	0.389	0.00	1.19	0.275	
39	MC	6755	7727	-0.05	2.02	0.155	-0.13	0.78	0.378	0.00	0.31	0.579	
40	MC	6755	7727	0.01	0.09	0.768	-0.01	0.00	0.963	0.00	0.01	0.906	
41	MC	6755	7727	0.13	9.65	0.002	0.37	4.46	0.035	-0.01	1.98	0.160	Uniform>
42	MC	13574	15360	0.07	6.86	0.009	-0.08	0.51	0.476	0.00	1.81	0.179	Uniform>
43	MC	6755	7727	0.04	0.81	0.370	0.35	3.76	0.052	-0.01	3.20	0.074	
44	MC	13574	15360	-0.07	7.37	0.007	-0.20	3.72	0.054	0.00	1.72	0.190	Uniform<
45	MC	6755	7727	0.12	9.67	0.002	-0.31	3.70	0.055	0.01	7.47	0.006	NonUniform
46	MC	6755	7727	-0.01	0.10	0.749	-0.02	0.01	0.915	0.00	0.00	0.972	
47	MC	13574	15360	-0.01	0.25	0.617	0.02	0.03	0.864	0.00	0.09	0.770	
48	ER	6755	7727	0.31	77.79	0.000	0.59	18.00	0.000	-0.01	4.45	0.035	Uniform>
49	ER	6755	7727	0.37	121.78	0.000	0.58	18.34	0.000	0.00	2.50	0.114	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.139: Logistic Regression DIF Results on Stage II Writing Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	25070	3869	-0.12	5.62	0.018	-0.27	1.96	0.161	0.00	0.68	0.410	
36	MC	12589	1894	-0.18	12.91	0.000	0.26	1.44	0.230	-0.01	4.47	0.035	Uniform<
37	MC	12589	1894	-0.17	10.07	0.002	-0.26	1.50	0.220	0.00	0.19	0.664	Uniform<
38	MC	12589	1894	0.08	1.71	0.191	-0.45	3.82	0.051	0.01	5.59	0.018	
39	MC	12589	1894	0.11	4.14	0.042	0.14	0.41	0.522	0.00	0.02	0.887	
40	MC	12589	1894	-0.09	2.72	0.099	-0.24	1.18	0.278	0.00	0.50	0.479	
41	MC	12589	1894	-0.10	2.55	0.111	0.27	1.10	0.294	-0.01	2.20	0.138	
42	MC	25070	3869	-0.04	0.99	0.319	-0.06	0.12	0.729	0.00	0.01	0.910	
43	MC	12589	1894	-0.05	0.86	0.355	0.16	0.37	0.542	0.00	0.70	0.404	
44	MC	25070	3869	-0.15	18.03	0.000	-0.05	0.14	0.705	0.00	0.52	0.472	Uniform<
45	MC	12589	1894	0.16	7.99	0.005	0.36	2.40	0.122	0.00	0.81	0.367	Uniform>
46	MC	12589	1894	0.17	10.65	0.001	-0.73	11.24	0.001	0.02	18.12	0.000	NonUniform
47	MC	25070	3869	-0.15	16.74	0.000	0.01	0.00	0.959	0.00	1.08	0.298	Uniform<
48	ER	12589	1894	0.19	14.00	0.000	0.26	1.74	0.187	0.00	0.14	0.711	Uniform>
49	ER	12589	1894	0.12	5.57	0.018	0.31	2.59	0.107	0.00	1.09	0.297	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.140: Logistic Regression DIF Results on Stage II Writing Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	1961	26978	0.03	0.15	0.696	-0.21	0.54	0.461	0.01	0.72	0.397	
36	MC	1011	13472	-0.09	1.66	0.198	0.04	0.02	0.892	0.00	0.19	0.664	
37	MC	1011	13472	0.03	0.22	0.639	0.02	0.00	0.946	0.00	0.00	0.967	
38	MC	1011	13472	-0.02	0.07	0.798	-0.82	5.22	0.022	0.02	5.18	0.023	
39	MC	1011	13472	-0.08	1.35	0.245	0.22	0.57	0.452	-0.01	1.11	0.293	
40	MC	1011	13472	-0.11	2.58	0.109	0.00	0.00	0.993	0.00	0.14	0.710	
41	MC	1011	13472	-0.01	0.01	0.916	0.12	0.11	0.742	0.00	0.13	0.716	
42	MC	1961	26978	-0.03	0.35	0.556	0.05	0.05	0.831	0.00	0.13	0.723	
43	MC	1011	13472	-0.04	0.34	0.558	-0.48	1.59	0.207	0.01	1.37	0.242	
44	MC	1961	26978	0.00	0.01	0.934	-0.39	3.33	0.068	0.01	3.62	0.057	
45	MC	1011	13472	0.10	1.81	0.179	0.40	1.61	0.205	-0.01	0.96	0.327	
46	MC	1011	13472	-0.02	0.12	0.732	0.09	0.08	0.771	0.00	0.14	0.708	
47	MC	1961	26978	-0.09	3.05	0.081	-0.13	0.35	0.552	0.00	0.05	0.829	
48	ER	1011	13472	-0.23	12.34	0.000	-0.07	0.06	0.801	0.00	0.36	0.549	Uniform<
49	ER	1011	13472	0.07	1.13	0.287	0.17	0.39	0.531	0.00	0.15	0.700	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.141: Logistic Regression DIF Results on Stage II Writing Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	2629	26310	-0.05	0.91	0.340	-0.07	0.10	0.749	0.00	0.01	0.927	
36	MC	1370	13113	0.04	0.37	0.543	-0.38	2.47	0.116	0.01	3.21	0.073	
37	MC	1370	13113	0.11	3.09	0.079	0.15	0.43	0.510	0.00	0.04	0.845	
38	MC	1370	13113	-0.06	0.73	0.394	1.26	29.46	0.000	-0.03	34.91	0.000	NonUniform
39	MC	1370	13113	-0.11	3.17	0.075	0.77	12.85	0.000	-0.02	17.99	0.000	NonUniform
40	MC	1370	13113	-0.21	11.42	0.001	0.28	1.37	0.242	-0.01	4.52	0.033	Uniform<
41	MC	1370	13113	-0.04	0.41	0.524	0.83	11.23	0.001	-0.02	13.47	0.000	NonUniform
42	MC	2629	26310	-0.12	7.19	0.007	0.44	6.20	0.013	-0.01	10.73	0.001	NonUniform
43	MC	1370	13113	-0.13	3.61	0.057	0.06	0.04	0.841	0.00	0.44	0.507	
44	MC	2629	26310	0.09	4.47	0.034	0.17	1.07	0.302	0.00	0.22	0.636	
45	MC	1370	13113	-0.14	4.78	0.029	0.91	16.03	0.000	-0.02	22.89	0.000	NonUniform
46	MC	1370	13113	-0.31	23.31	0.000	0.05	0.03	0.852	-0.01	2.14	0.144	Uniform<
47	MC	2629	26310	0.25	32.85	0.000	0.74	19.34	0.000	-0.01	8.97	0.003	NonUniform
48	ER	1370	13113	-0.45	64.09	0.000	-0.89	17.56	0.000	0.01	4.44	0.035	Uniform<
49	ER	1370	13113	-0.48	73.01	0.000	-1.08	26.00	0.000	0.01	8.73	0.003	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.142: Logistic Regression DIF Results on Stage II Writing Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	20293	8646	-0.03	0.94	0.331	0.03	0.03	0.854	0.00	0.19	0.665	
36	MC	10159	4324	-0.09	5.25	0.022	0.09	0.31	0.579	0.00	1.28	0.258	
37	MC	10159	4324	-0.04	0.87	0.352	-0.04	0.06	0.806	0.00	0.00	0.986	
38	MC	10159	4324	0.07	2.92	0.087	-0.52	8.78	0.003	0.01	12.18	0.000	NonUniform
39	MC	10159	4324	0.05	1.45	0.228	-0.02	0.02	0.887	0.00	0.21	0.651	
40	MC	10159	4324	-0.07	2.94	0.086	-0.19	1.33	0.249	0.00	0.59	0.442	
41	MC	10159	4324	-0.06	1.74	0.187	0.15	0.65	0.422	0.00	1.34	0.247	
42	MC	20293	8646	-0.02	0.43	0.510	-0.01	0.01	0.924	0.00	0.00	0.953	
43	MC	10159	4324	-0.08	3.12	0.077	-0.09	0.19	0.662	0.00	0.00	0.959	
44	MC	20293	8646	-0.04	2.19	0.139	0.13	1.35	0.245	0.00	2.49	0.114	
45	MC	10159	4324	0.12	8.49	0.004	-0.19	1.26	0.262	0.01	3.55	0.060	Uniform>
46	MC	10159	4324	0.06	2.09	0.148	-0.31	3.50	0.061	0.01	5.13	0.023	
47	MC	20293	8646	-0.05	3.77	0.052	-0.12	1.06	0.302	0.00	0.36	0.551	
48	ER	10159	4324	0.23	36.46	0.000	0.42	7.88	0.005	0.00	1.75	0.186	Uniform>
49	ER	10159	4324	0.22	35.84	0.000	0.31	4.68	0.030	0.00	0.46	0.498	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.143: Logistic Regression DIF Results on Stage II Writing Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	20293	4344	0.05	1.01	0.314	0.55	6.61	0.010	-0.01	5.78	0.016	
36	MC	10159	2215	0.01	0.03	0.854	0.52	5.18	0.023	-0.01	5.27	0.022	
37	MC	10159	2215	0.03	0.27	0.605	0.11	0.26	0.612	0.00	0.16	0.689	
38	MC	10159	2215	0.07	1.55	0.212	0.01	0.00	0.972	0.00	0.06	0.802	
39	MC	10159	2215	0.11	4.70	0.030	0.35	2.51	0.113	0.00	1.27	0.260	
40	MC	10159	2215	-0.01	0.02	0.893	0.01	0.00	0.973	0.00	0.00	0.948	
41	MC	10159	2215	0.01	0.06	0.806	0.50	3.45	0.063	-0.01	3.41	0.065	
42	MC	20293	4344	0.06	2.60	0.107	0.26	2.22	0.136	0.00	1.37	0.242	
43	MC	10159	2215	-0.05	0.74	0.391	0.41	2.28	0.131	-0.01	2.95	0.086	
44	MC	20293	4344	0.03	0.90	0.343	0.10	0.44	0.508	0.00	0.21	0.650	
45	MC	10159	2215	0.14	6.99	0.008	0.07	0.10	0.757	0.00	0.09	0.770	Uniform>
46	MC	10159	2215	0.02	0.21	0.644	0.29	1.53	0.217	-0.01	1.36	0.244	
47	MC	20293	4344	0.05	1.66	0.198	0.06	0.16	0.694	0.00	0.01	0.907	
48	ER	10159	2215	0.20	16.72	0.000	0.20	0.95	0.330	0.00	0.00	0.989	Uniform>
49	ER	10159	2215	0.23	24.87	0.000	0.19	0.91	0.340	0.00	0.05	0.821	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.144: Logistic Regression DIF Results on Stage II Writing Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	4302	4344	0.16	7.34	0.007	0.84	11.21	0.001	-0.02	7.69	0.006	NonUniform
36	MC	2109	2215	0.20	10.10	0.001	0.72	7.19	0.007	-0.01	3.94	0.047	Uniform>
37	MC	2109	2215	0.13	3.86	0.049	0.25	0.89	0.345	0.00	0.22	0.637	
38	MC	2109	2215	-0.03	0.22	0.640	0.90	9.54	0.002	-0.02	10.89	0.001	NonUniform
39	MC	2109	2215	0.12	3.53	0.060	0.63	5.82	0.016	-0.01	4.05	0.044	
40	MC	2109	2215	0.12	3.44	0.064	0.34	1.55	0.214	0.00	0.68	0.408	
41	MC	2109	2215	0.17	4.46	0.035	0.57	3.16	0.076	-0.01	1.69	0.194	
42	MC	4302	4344	0.16	11.02	0.001	0.44	4.55	0.033	-0.01	1.94	0.164	Uniform>
43	MC	2109	2215	0.06	0.64	0.423	0.89	7.30	0.007	-0.02	6.71	0.010	NonUniform
44	MC	4302	4344	0.16	11.75	0.001	-0.07	0.13	0.718	0.00	1.57	0.210	Uniform>
45	MC	2109	2215	0.03	0.17	0.677	0.46	2.66	0.103	-0.01	2.49	0.115	
46	MC	2109	2215	-0.08	1.57	0.210	1.06	14.35	0.000	-0.02	17.58	0.000	NonUniform
47	MC	4302	4344	0.20	18.82	0.000	0.29	2.22	0.136	0.00	0.24	0.626	Uniform>
48	ER	2109	2215	-0.05	0.51	0.474	-0.35	1.92	0.166	0.01	1.54	0.214	
49	ER	2109	2215	0.04	0.47	0.492	-0.20	0.64	0.423	0.00	1.01	0.314	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.145: Logistic Regression DIF Results on Stage II Writing Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	262	4344	0.49	7.16	0.007	0.91	1.18	0.277	-0.01	0.26	0.607	Uniform>
36	MC	93	2215	-0.06	0.07	0.792	1.40	2.06	0.151	-0.03	2.32	0.128	
37	MC	93	2215	0.19	0.69	0.405	1.39	2.21	0.137	-0.02	1.76	0.185	
38	MC	93	2215	-0.07	0.08	0.778	0.06	0.00	0.954	0.00	0.01	0.904	
39	MC	93	2215	-0.30	1.76	0.185	0.92	0.91	0.340	-0.02	1.66	0.197	
40	MC	93	2215	-0.10	0.22	0.641	0.27	0.07	0.794	-0.01	0.14	0.711	
41	MC	93	2215	0.22	0.69	0.408	-1.04	0.56	0.455	0.03	0.84	0.359	
42	MC	262	4344	0.19	1.89	0.169	1.41	5.14	0.023	-0.03	4.05	0.044	
43	MC	93	2215	-0.48	3.92	0.048	-0.38	0.08	0.771	0.00	0.01	0.936	
44	MC	262	4344	0.06	0.22	0.640	-0.01	0.00	0.992	0.00	0.01	0.907	
45	MC	93	2215	-0.05	0.04	0.843	1.00	1.00	0.316	-0.02	1.16	0.281	
46	MC	93	2215	-0.46	3.80	0.051	0.97	0.84	0.360	-0.03	1.88	0.170	
47	MC	262	4344	-0.14	1.03	0.309	-0.40	0.36	0.548	0.01	0.16	0.687	
48	ER	93	2215	0.17	0.60	0.438	0.13	0.02	0.891	0.00	0.00	0.967	
49	ER	93	2215	0.39	3.34	0.068	1.46	2.72	0.099	-0.02	1.57	0.210	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.146: Logistic Regression DIF Results on Stage II Writing Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	12407	28939	0.28	34.84	0.000	-0.88	15.58	0.000	0.02	27.83	0.000	NonUniform
36	MC	6489	14483	0.06	3.13	0.077	-1.75	80.98	0.000	0.03	90.48	0.000	NonUniform
37	MC	6489	14483	0.10	6.55	0.010	-1.13	34.29	0.000	0.02	41.95	0.000	NonUniform
38	MC	6489	14483	0.26	28.28	0.000	-2.03	65.68	0.000	0.04	85.26	0.000	NonUniform
39	MC	6489	14483	0.14	14.80	0.000	-1.78	81.00	0.000	0.03	98.22	0.000	NonUniform
40	MC	6489	14483	0.12	10.79	0.001	-1.59	63.96	0.000	0.03	76.79	0.000	NonUniform
41	MC	6489	14483	0.17	9.95	0.002	-0.26	1.13	0.287	0.01	3.17	0.075	Uniform>
42	MC	12407	28939	0.12	16.33	0.000	-2.47	211.56	0.000	0.05	239.98	0.000	NonUniform
43	MC	6489	14483	0.07	2.95	0.086	-0.65	8.09	0.004	0.01	10.46	0.001	NonUniform
44	MC	12407	28939	0.04	2.00	0.157	-1.26	85.86	0.000	0.02	94.94	0.000	NonUniform
45	MC	6489	14483	0.15	11.97	0.001	-3.10	162.82	0.000	0.06	183.23	0.000	NonUniform
46	MC	6489	14483	0.08	5.36	0.021	-1.07	29.41	0.000	0.02	35.54	0.000	NonUniform
47	MC	12407	28939	0.24	83.98	0.000	-1.69	133.43	0.000	0.03	180.27	0.000	NonUniform
48	ER	6489	14483	0.34	71.14	0.000	0.88	18.57	0.000	-0.01	7.35	0.007	NonUniform
49	ER	6489	14483	0.19	27.27	0.000	0.52	7.80	0.005	-0.01	3.28	0.070	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.147: Logistic Regression DIF Results on Stage II Writing Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
35	MC	4	41342	-1.51	1.60	0.205	0.80	0.01	0.923	-0.06	0.08	0.782	
36	MC	1	20971	-8.25	0.01	0.934	-8.25	0.01	0.934	0.00			
37	MC	1	20971	-8.86	0.01	0.933	-8.86	0.01	0.933	0.00			
38	MC	1	20971	9.73	0.01	0.933	9.73	0.01	0.933	0.00			
39	MC	1	20971	-8.83	0.01	0.933	-8.83	0.01	0.933	0.00			
40	MC	1	20971	-8.32	0.01	0.934	-8.32	0.01	0.934	0.00			
41	MC	1	20971	-10.37	0.00	0.952	-10.37	0.00	0.952	0.00			
42	MC	4	41342	11.01	0.02	0.899	14.08	0.00	0.982	-0.08	0.00	0.996	
43	MC	1	20971	-8.61	0.01	0.938	-8.61	0.01	0.938	0.00			
44	MC	4	41342	-0.15	0.02	0.896	-1.21	0.02	0.884	0.03	0.02	0.897	
45	MC	1	20971	9.81	0.01	0.929	9.81	0.01	0.929	0.00			
46	MC	1	20971	-8.22	0.01	0.934	-8.22	0.01	0.934	0.00			
47	MC	4	41342	-0.13	0.01	0.914	0.43	0.00	0.959	-0.01	0.00	0.947	
48	ER	1	20971	0.91	0.20	0.651	0.91	0.20	0.651	0.00			
49	ER	1	20971	-0.99	0.29	0.592	-0.99	0.29	0.592	0.00			

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.148: Logistic Regression DIF Results on Stage II Listening Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	6755	7727	-0.10	7.04	0.008	0.27	3.38	0.066	-0.01	6.76	0.009	NonUniform
2	MC	6755	7727	0.02	0.19	0.664	0.19	1.62	0.203	0.00	1.45	0.229	
3	MC	6755	7727	-0.09	5.71	0.017	0.11	0.45	0.504	0.00	1.51	0.219	
4	MC	6755	7727	-0.04	1.25	0.264	0.12	0.51	0.475	0.00	0.97	0.325	
5	MC	13574	15360	0.04	3.07	0.080	0.01	0.02	0.892	0.00	0.07	0.785	
6	MC	6755	7727	-0.13	15.00	0.000	-0.21	2.21	0.137	0.00	0.32	0.572	Uniform<
7	MC	6755	7727	0.05	2.00	0.157	-0.14	0.93	0.335	0.00	1.88	0.170	
8	MC	6755	7727	-0.15	9.37	0.002	0.04	0.04	0.842	0.00	1.15	0.284	Uniform<
9	MC	6755	7727	0.26	28.32	0.000	0.05	0.08	0.774	0.00	1.50	0.220	Uniform>
10	MC	13574	15360	0.17	13.39	0.000	0.09	0.31	0.576	0.00	0.23	0.631	Uniform>
11	MC	6755	7727	-0.01	0.02	0.888	0.32	3.18	0.074	-0.01	3.60	0.058	
12	MC	6755	7727	-0.03	0.52	0.470	-0.03	0.04	0.844	0.00	0.00	0.986	
13	MC	6755	7727	-0.16	12.51	0.000	0.40	5.83	0.016	-0.01	12.04	0.001	NonUniform
14	MC	13574	15360	0.00	0.00	0.990	-0.20	2.70	0.101	0.00	2.81	0.093	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.149: Logistic Regression DIF Results on Stage II Listening Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	12589	1894	-0.05	0.70	0.402	0.22	1.14	0.285	-0.01	1.78	0.182	
2	MC	12589	1894	-0.14	6.27	0.012	-0.15	0.52	0.473	0.00	0.01	0.939	
3	MC	12589	1894	-0.15	8.19	0.004	0.17	0.49	0.482	-0.01	1.92	0.166	Uniform<
4	MC	12589	1894	-0.08	2.43	0.119	-0.19	0.65	0.421	0.00	0.21	0.645	
5	MC	25070	3869	-0.22	36.39	0.000	-0.23	2.37	0.124	0.00	0.01	0.927	Uniform<
6	MC	12589	1894	-0.18	12.14	0.000	0.22	1.09	0.297	-0.01	3.89	0.049	Uniform<
7	MC	12589	1894	0.16	8.91	0.003	0.35	2.72	0.099	0.00	0.81	0.367	Uniform>
8	MC	12589	1894	0.21	9.18	0.002	0.50	3.82	0.051	-0.01	1.35	0.245	Uniform>
9	MC	12589	1894	0.15	4.80	0.028	-0.04	0.03	0.863	0.00	0.71	0.399	
10	MC	25070	3869	0.24	14.67	0.000	0.24	1.23	0.268	0.00	0.00	0.993	Uniform>
11	MC	12589	1894	0.11	2.23	0.135	0.50	3.88	0.049	-0.01	2.58	0.108	
12	MC	12589	1894	-0.22	16.86	0.000	0.60	8.26	0.004	-0.02	16.22	0.000	NonUniform
13	MC	12589	1894	-0.10	2.10	0.148	0.35	1.96	0.161	-0.01	3.44	0.063	
14	MC	25070	3869	-0.01	0.04	0.843	-0.10	0.30	0.587	0.00	0.26	0.608	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.150: Logistic Regression DIF Results on Stage II Listening Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1011	13472	0.24	10.13	0.001	0.49	2.62	0.105	-0.01	0.74	0.390	Uniform>
2	MC	1011	13472	0.08	1.31	0.253	-0.39	1.54	0.214	0.01	2.38	0.123	
3	MC	1011	13472	-0.08	1.16	0.282	-0.42	1.56	0.211	0.01	1.11	0.292	
4	MC	1011	13472	0.01	0.02	0.878	-0.31	0.84	0.360	0.01	0.94	0.333	
5	MC	1961	26978	0.11	5.44	0.020	-0.12	0.30	0.581	0.00	1.20	0.273	
6	MC	1011	13472	-0.01	0.01	0.938	-0.56	3.41	0.065	0.01	3.53	0.060	
7	MC	1011	13472	-0.42	36.51	0.000	-0.56	3.56	0.059	0.00	0.24	0.625	Uniform<
8	MC	1011	13472	-0.06	0.42	0.516	-0.57	2.19	0.139	0.01	1.84	0.175	
9	MC	1011	13472	0.07	0.57	0.451	0.19	0.26	0.612	0.00	0.10	0.748	
10	MC	1961	26978	0.15	2.54	0.111	0.17	0.23	0.631	0.00	0.00	0.959	
11	MC	1011	13472	-0.20	4.49	0.034	-0.34	0.88	0.348	0.00	0.17	0.681	
12	MC	1011	13472	0.21	9.14	0.002	0.35	1.48	0.223	0.00	0.25	0.614	Uniform>
13	MC	1011	13472	-0.07	0.61	0.434	0.19	0.30	0.585	-0.01	0.60	0.440	
14	MC	1961	26978	-0.09	3.05	0.081	0.39	2.58	0.108	-0.01	4.09	0.043	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.151: Logistic Regression DIF Results on Stage II Listening Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1370	13113	-0.10	2.47	0.116	0.44	4.19	0.041	-0.01	6.79	0.009	NonUniform
2	MC	1370	13113	-0.03	0.29	0.587	0.40	3.36	0.067	-0.01	4.26	0.039	
3	MC	1370	13113	0.01	0.05	0.820	0.26	1.08	0.299	-0.01	1.03	0.311	
4	MC	1370	13113	0.01	0.02	0.894	0.21	0.65	0.421	0.00	0.63	0.426	
5	MC	2629	26310	0.01	0.09	0.759	0.24	1.97	0.161	0.00	1.87	0.171	
6	MC	1370	13113	0.07	1.27	0.259	0.28	1.64	0.200	0.00	1.02	0.313	
7	MC	1370	13113	-0.19	9.67	0.002	0.01	0.00	0.959	0.00	0.91	0.339	Uniform<
8	MC	1370	13113	-0.31	18.60	0.000	-0.58	4.81	0.028	0.01	1.14	0.286	Uniform<
9	MC	1370	13113	-0.25	12.21	0.000	-0.68	6.85	0.009	0.01	2.93	0.087	Uniform<
10	MC	2629	26310	-0.28	19.74	0.000	-0.43	3.36	0.067	0.00	0.41	0.521	Uniform<
11	MC	1370	13113	-0.29	15.69	0.000	-0.68	6.78	0.009	0.01	2.46	0.117	Uniform<
12	MC	1370	13113	0.10	2.59	0.107	-0.10	0.23	0.635	0.00	0.90	0.342	
13	MC	1370	13113	-0.16	5.71	0.017	-0.16	0.40	0.527	0.00	0.00	0.981	
14	MC	2629	26310	0.14	9.07	0.003	0.48	6.06	0.014	-0.01	3.19	0.074	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.152: Logistic Regression DIF Results on Stage II Listening Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	10159	4324	-0.05	1.71	0.191	0.13	0.69	0.405	0.00	1.47	0.225	
2	MC	10159	4324	-0.06	2.44	0.118	-0.02	0.02	0.884	0.00	0.06	0.800	
3	MC	10159	4324	-0.11	7.87	0.005	0.11	0.40	0.525	0.00	1.69	0.194	Uniform<
4	MC	10159	4324	-0.10	7.09	0.008	-0.33	3.58	0.058	0.00	1.75	0.185	Uniform<
5	MC	20293	8646	-0.15	28.77	0.000	-0.01	0.01	0.925	0.00	1.41	0.234	Uniform<
6	MC	10159	4324	-0.15	15.18	0.000	-0.13	0.77	0.379	0.00	0.01	0.927	Uniform<
7	MC	10159	4324	0.02	0.36	0.549	0.28	3.10	0.078	-0.01	2.76	0.097	
8	MC	10159	4324	0.09	2.63	0.105	0.43	4.89	0.027	-0.01	3.36	0.067	
9	MC	10159	4324	0.01	0.02	0.884	0.11	0.35	0.554	0.00	0.33	0.566	
10	MC	20293	8646	0.06	1.39	0.239	0.35	4.27	0.039	-0.01	3.25	0.071	
11	MC	10159	4324	-0.02	0.17	0.683	-0.12	0.41	0.520	0.00	0.30	0.583	
12	MC	10159	4324	-0.15	16.33	0.000	0.47	9.65	0.002	-0.01	18.12	0.000	NonUniform
13	MC	10159	4324	-0.13	7.48	0.006	0.24	1.76	0.185	-0.01	4.57	0.033	Uniform<
14	MC	20293	8646	0.01	0.13	0.720	-0.09	0.51	0.474	0.00	0.66	0.417	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.153: Logistic Regression DIF Results on Stage II Listening Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	10159	2215	-0.04	0.47	0.491	0.03	0.02	0.879	0.00	0.11	0.744	
2	MC	10159	2215	0.00	0.00	0.996	0.63	7.72	0.005	-0.01	8.12	0.004	NonUniform
3	MC	10159	2215	-0.10	3.67	0.055	0.45	3.45	0.063	-0.01	5.33	0.021	
4	MC	10159	2215	-0.09	3.24	0.072	-0.16	0.43	0.511	0.00	0.08	0.780	
5	MC	20293	4344	-0.07	4.39	0.036	0.35	4.57	0.033	-0.01	7.04	0.008	NonUniform
6	MC	10159	2215	-0.11	4.90	0.027	-0.02	0.01	0.912	0.00	0.17	0.681	
7	MC	10159	2215	-0.02	0.12	0.724	0.32	2.03	0.154	-0.01	2.41	0.121	
8	MC	10159	2215	0.06	0.79	0.374	0.47	2.80	0.094	-0.01	2.23	0.135	
9	MC	10159	2215	-0.10	2.22	0.136	-0.43	2.55	0.111	0.01	1.57	0.210	
10	MC	20293	4344	-0.20	8.28	0.004	-0.27	1.07	0.301	0.00	0.07	0.790	Uniform<
11	MC	10159	2215	-0.05	0.46	0.497	-0.59	4.81	0.028	0.01	4.41	0.036	
12	MC	10159	2215	-0.20	15.64	0.000	0.43	4.10	0.043	-0.01	9.15	0.002	NonUniform
13	MC	10159	2215	-0.13	4.29	0.038	0.19	0.53	0.465	-0.01	1.63	0.202	
14	MC	20293	4344	0.08	4.24	0.039	0.46	6.06	0.014	-0.01	4.41	0.036	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.154: Logistic Regression DIF Results on Stage II Listening Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	2109	2215	0.04	0.41	0.520	-0.18	0.45	0.503	0.00	0.76	0.385	
2	MC	2109	2215	0.13	3.52	0.061	1.10	16.90	0.000	-0.02	14.16	0.000	NonUniform
3	MC	2109	2215	0.03	0.23	0.630	0.61	4.29	0.038	-0.01	4.06	0.044	
4	MC	2109	2215	0.02	0.14	0.710	0.32	1.20	0.274	-0.01	1.08	0.300	
5	MC	4302	4344	0.15	10.84	0.001	0.60	9.63	0.002	-0.01	5.75	0.016	Uniform>
6	MC	2109	2215	0.08	1.67	0.196	0.18	0.53	0.466	0.00	0.17	0.676	
7	MC	2109	2215	-0.08	1.32	0.251	0.08	0.08	0.775	0.00	0.37	0.545	
8	MC	2109	2215	-0.03	0.08	0.775	0.08	0.05	0.815	0.00	0.11	0.745	
9	MC	2109	2215	-0.21	5.57	0.018	-0.83	7.08	0.008	0.01	4.34	0.037	
10	MC	4302	4344	-0.44	26.83	0.000	-0.84	8.09	0.004	0.01	2.06	0.151	Uniform<
11	MC	2109	2215	-0.05	0.36	0.549	-0.77	5.87	0.015	0.02	5.53	0.019	
12	MC	2109	2215	-0.07	1.00	0.317	-0.07	0.07	0.790	0.00	0.00	0.990	
13	MC	2109	2215	0.02	0.08	0.771	-0.09	0.09	0.770	0.00	0.15	0.699	
14	MC	4302	4344	0.13	7.33	0.007	0.96	18.70	0.000	-0.02	14.72	0.000	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.155: Logistic Regression DIF Results on Stage II Listening Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	93	2215	0.51	4.03	0.045	1.41	1.89	0.169	-0.02	0.84	0.359	
2	MC	93	2215	-0.03	0.02	0.880	0.08	0.01	0.937	0.00	0.01	0.909	
3	MC	93	2215	0.44	3.78	0.052	0.68	0.41	0.520	0.00	0.05	0.817	
4	MC	93	2215	0.29	1.63	0.201	0.43	0.16	0.685	0.00	0.02	0.892	
5	MC	262	4344	0.32	5.70	0.017	0.09	0.02	0.884	0.00	0.13	0.720	
6	MC	93	2215	0.67	8.42	0.004	0.63	0.41	0.521	0.00	0.00	0.968	Uniform>
7	MC	93	2215	-0.36	2.54	0.111	0.37	0.15	0.700	-0.02	0.61	0.434	
8	MC	93	2215	-0.08	0.07	0.797	-0.38	0.09	0.761	0.01	0.06	0.803	
9	MC	93	2215	0.23	0.52	0.470	0.21	0.03	0.866	0.00	0.00	0.986	
10	MC	262	4344	-0.01	0.00	0.982	-0.99	0.82	0.364	0.03	0.84	0.360	
11	MC	93	2215	-0.44	2.68	0.102	-1.51	1.63	0.202	0.02	0.84	0.359	
12	MC	93	2215	0.21	0.86	0.355	-0.46	0.20	0.656	0.01	0.44	0.506	
13	MC	93	2215	0.33	1.17	0.279	1.03	0.75	0.385	-0.02	0.38	0.536	
14	MC	262	4344	-0.12	0.74	0.390	0.06	0.01	0.936	0.00	0.06	0.801	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.156: Logistic Regression DIF Results on Stage II Listening Items for the ELL/FEP Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	6489	14483	0.20	22.24	0.000	-0.84	17.70	0.000	0.02	27.94	0.000	NonUniform
2	MC	6489	14483	0.11	8.09	0.004	-1.21	37.48	0.000	0.02	46.42	0.000	NonUniform
3	MC	6489	14483	0.18	24.39	0.000	-1.47	52.29	0.000	0.03	68.23	0.000	NonUniform
4	MC	6489	14483	0.14	15.38	0.000	-1.55	56.10	0.000	0.03	69.43	0.000	NonUniform
5	MC	12407	28939	0.09	13.09	0.000	-0.59	18.77	0.000	0.01	26.05	0.000	NonUniform
6	MC	6489	14483	0.06	2.81	0.094	-0.61	11.42	0.001	0.01	14.30	0.000	NonUniform
7	MC	6489	14483	0.24	30.99	0.000	-0.41	4.16	0.041	0.01	10.76	0.001	NonUniform
8	MC	6489	14483	0.30	18.22	0.000	0.19	0.39	0.530	0.00	0.14	0.704	Uniform>
9	MC	6489	14483	0.12	3.54	0.060	0.20	0.54	0.463	0.00	0.10	0.757	
10	MC	12407	28939	0.22	8.83	0.003	1.28	16.95	0.000	-0.02	12.75	0.000	NonUniform
11	MC	6489	14483	0.22	11.69	0.001	1.19	16.79	0.000	-0.02	11.94	0.001	NonUniform
12	MC	6489	14483	0.15	15.20	0.000	-0.82	19.38	0.000	0.02	27.95	0.000	NonUniform
13	MC	6489	14483	0.26	19.34	0.000	-0.27	1.07	0.301	0.01	4.30	0.038	Uniform>
14	MC	12407	28939	0.24	77.21	0.000	-2.10	165.72	0.000	0.04	212.38	0.000	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.157: Logistic Regression DIF Results on Stage II Listening Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1	20971	-9.83	0.01	0.939	-9.83	0.01	0.939	0.00			
2	MC	1	20971	-9.19	0.01	0.934	-9.19	0.01	0.934	0.00			
3	MC	1	20971	-8.03	0.01	0.936	-8.03	0.01	0.936	0.00			
4	MC	1	20971	10.43	0.01	0.917	10.43	0.01	0.917	0.00			
5	MC	4	41342	-9.34	0.01	0.909	-7.26	0.00	0.990	-0.06	0.00	0.997	
6	MC	1	20971	-8.77	0.01	0.931	-8.77	0.01	0.931	0.00			
7	MC	1	20971	-10.01	0.01	0.941	-10.01	0.01	0.941	0.00			
8	MC	1	20971	9.11	0.00	0.955	9.11	0.00	0.955	0.00			
9	MC	1	20971	9.04	0.00	0.954	9.04	0.00	0.954	0.00			
10	MC	4	41342	10.08	0.00	0.952	13.82	0.00	0.991	-0.10	0.00	0.998	
11	MC	1	20971	9.02	0.00	0.956	9.02	0.00	0.956	0.00			
12	MC	1	20971	-9.18	0.01	0.932	-9.18	0.01	0.932	0.00			
13	MC	1	20971	9.21	0.00	0.948	9.21	0.00	0.948	0.00			
14	MC	4	41342	-8.81	0.01	0.913	-5.60	0.00	0.993	-0.09	0.00	0.996	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.158: Logistic Regression DIF Results on Stage II Speaking Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	6755	7727	0.00	0.00	0.944	-0.65	16.56	0.000	0.01	17.49	0.000	NonUniform
54	SA4	13574	15360	-0.24	56.76	0.000	-0.31	5.97	0.015	0.00	0.25	0.616	Uniform<
55	SA4	6755	7727	-0.24	39.54	0.000	-0.13	0.83	0.363	0.00	0.58	0.448	Uniform<
56	SA4	6755	7727	-0.10	9.45	0.002	-0.58	20.75	0.000	0.01	15.37	0.000	NonUniform
57	SA4	13574	15360	-0.05	5.96	0.015	-0.36	16.72	0.000	0.01	12.89	0.000	NonUniform
58	SA4	6755	7727	-0.12	13.13	0.000	-0.50	14.69	0.000	0.01	9.16	0.002	NonUniform
59	SA4	6755	7727	0.11	11.86	0.001	-0.24	3.24	0.072	0.01	7.47	0.006	NonUniform
60	SA4	6755	7727	0.03	0.62	0.433	-0.27	4.17	0.041	0.01	5.39	0.020	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.159: Logistic Regression DIF Results on Stage II Speaking Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	12589	1894	-0.22	19.18	0.000	0.29	1.63	0.201	-0.01	5.22	0.022	Uniform<
54	SA4	25070	3869	0.02	0.12	0.732	0.05	0.08	0.775	0.00	0.04	0.843	
55	SA4	12589	1894	0.01	0.02	0.889	0.07	0.12	0.732	0.00	0.10	0.753	
56	SA4	12589	1894	0.06	1.63	0.202	-0.11	0.34	0.558	0.00	0.92	0.337	
57	SA4	25070	3869	0.05	2.06	0.151	0.02	0.02	0.875	0.00	0.05	0.827	
58	SA4	12589	1894	0.13	7.34	0.007	-0.20	1.09	0.296	0.01	3.26	0.071	Uniform>
59	SA4	12589	1894	0.38	60.71	0.000	-0.38	3.91	0.048	0.01	16.96	0.000	NonUniform
60	SA4	12589	1894	0.04	0.71	0.398	0.02	0.01	0.910	0.00	0.01	0.906	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.160: Logistic Regression DIF Results on Stage II Speaking Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	1011	13472	-0.18	6.84	0.009	-0.48	2.00	0.157	0.01	0.85	0.357	Uniform<
54	SA4	1961	26978	0.20	8.73	0.003	-0.08	0.09	0.765	0.01	1.14	0.285	Uniform>
55	SA4	1011	13472	0.41	26.20	0.000	0.97	9.94	0.002	-0.01	3.58	0.059	Uniform>
56	SA4	1011	13472	0.12	3.63	0.057	-0.43	2.68	0.102	0.01	4.63	0.031	
57	SA4	1961	26978	0.11	6.84	0.009	0.15	0.69	0.405	0.00	0.04	0.832	Uniform>
58	SA4	1011	13472	-0.09	1.81	0.178	0.13	0.24	0.622	0.00	0.69	0.407	
59	SA4	1011	13472	-0.17	7.11	0.008	-0.07	0.06	0.799	0.00	0.14	0.705	Uniform<
60	SA4	1011	13472	0.24	12.37	0.000	0.65	5.14	0.023	-0.01	2.13	0.144	Uniform>

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.161: Logistic Regression DIF Results on Stage II Speaking Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	1370	13113	0.06	0.91	0.341	1.23	26.93	0.000	-0.02	25.87	0.000	NonUniform
54	SA4	2629	26310	0.34	40.78	0.000	-0.03	0.02	0.882	0.01	3.71	0.054	Uniform>
55	SA4	1370	13113	0.31	24.30	0.000	-0.24	1.14	0.286	0.01	6.24	0.013	Uniform>
56	SA4	1370	13113	0.30	30.62	0.000	0.53	7.41	0.006	-0.01	1.49	0.223	Uniform>
57	SA4	2629	26310	0.10	6.56	0.010	-0.14	1.03	0.310	0.01	3.15	0.076	
58	SA4	1370	13113	0.26	21.88	0.000	0.23	1.27	0.260	0.00	0.04	0.851	Uniform>
59	SA4	1370	13113	0.24	17.10	0.000	0.18	0.75	0.387	0.00	0.09	0.762	Uniform>
60	SA4	1370	13113	-0.51	77.80	0.000	-0.17	0.77	0.380	-0.01	3.38	0.066	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.162: Logistic Regression DIF Results on Stage II Speaking Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	10159	4324	-0.16	18.50	0.000	0.41	5.70	0.017	-0.01	11.61	0.001	NonUniform
54	SA4	20293	8646	-0.03	0.66	0.415	0.21	2.43	0.119	-0.01	3.38	0.066	
55	SA4	10159	4324	-0.07	2.84	0.092	0.21	1.93	0.165	-0.01	3.60	0.058	
56	SA4	10159	4324	-0.02	0.30	0.584	-0.09	0.44	0.509	0.00	0.29	0.589	
57	SA4	20293	8646	0.01	0.36	0.550	0.03	0.11	0.745	0.00	0.03	0.858	
58	SA4	10159	4324	0.05	1.67	0.196	-0.05	0.14	0.704	0.00	0.54	0.464	
59	SA4	10159	4324	0.24	42.75	0.000	0.02	0.03	0.863	0.00	2.36	0.124	Uniform>
60	SA4	10159	4324	-0.11	7.70	0.006	0.19	1.74	0.188	-0.01	4.50	0.034	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.163: Logistic Regression DIF Results on Stage II Speaking Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	10159	2215	-0.07	2.03	0.154	0.78	10.76	0.001	-0.02	13.51	0.000	NonUniform
54	SA4	20293	4344	-0.20	16.92	0.000	-0.50	6.67	0.010	0.01	2.52	0.112	Uniform<
55	SA4	10159	2215	-0.27	24.23	0.000	-0.66	9.02	0.003	0.01	3.27	0.071	Uniform<
56	SA4	10159	2215	-0.13	7.91	0.005	-0.33	3.09	0.079	0.00	1.24	0.265	Uniform<
57	SA4	20293	4344	-0.04	1.60	0.206	-0.33	6.45	0.011	0.01	5.27	0.022	
58	SA4	10159	2215	-0.03	0.52	0.473	-0.51	6.75	0.009	0.01	6.21	0.013	
59	SA4	10159	2215	0.18	15.64	0.000	-0.32	2.60	0.107	0.01	6.82	0.009	NonUniform
60	SA4	10159	2215	-0.29	32.93	0.000	-0.46	4.84	0.028	0.00	0.72	0.396	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.164: Logistic Regression DIF Results on Stage II Speaking Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	2109	2215	0.20	10.19	0.001	0.66	5.23	0.022	-0.01	2.74	0.098	Uniform>
54	SA4	4302	4344	-0.30	24.13	0.000	-1.01	19.66	0.000	0.02	10.44	0.001	NonUniform
55	SA4	2109	2215	-0.37	26.80	0.000	-1.28	23.53	0.000	0.02	12.79	0.000	NonUniform
56	SA4	2109	2215	-0.23	14.81	0.000	-0.40	3.11	0.078	0.00	0.64	0.425	Uniform<
57	SA4	4302	4344	-0.10	6.27	0.012	-0.57	13.21	0.000	0.01	9.56	0.002	NonUniform
58	SA4	2109	2215	-0.16	7.34	0.007	-0.77	10.80	0.001	0.01	7.18	0.007	NonUniform
59	SA4	2109	2215	-0.11	3.47	0.062	-0.60	6.32	0.012	0.01	4.45	0.035	
60	SA4	2109	2215	-0.33	26.12	0.000	-0.92	14.42	0.000	0.01	6.48	0.011	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.165: Logistic Regression DIF Results on Stage II Speaking Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	93	2215	-0.02	0.01	0.930	1.91	3.67	0.055	-0.04	3.88	0.049	
54	SA4	262	4344	-0.28	3.02	0.082	-1.13	2.23	0.136	0.02	1.29	0.256	
55	SA4	93	2215	0.13	0.28	0.597	0.10	0.01	0.919	0.00	0.00	0.978	
56	SA4	93	2215	-0.07	0.14	0.709	-1.26	1.97	0.161	0.02	1.83	0.176	
57	SA4	262	4344	-0.17	2.05	0.152	-0.79	2.25	0.134	0.01	1.48	0.224	
58	SA4	93	2215	-0.55	6.86	0.009	-1.59	3.01	0.083	0.02	1.35	0.245	Uniform<
59	SA4	93	2215	-0.41	3.70	0.054	-2.53	7.48	0.006	0.04	5.48	0.019	
60	SA4	93	2215	-0.24	1.26	0.262	-1.88	4.02	0.045	0.03	3.11	0.078	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.166: Logistic Regression DIF Results on Stage II Speaking Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	6489	14483	0.12	13.81	0.000	-2.64	180.00	0.000	0.04	205.53	0.000	NonUniform
54	SA4	12407	28939	-0.34	61.93	0.000	0.86	21.92	0.000	-0.02	45.36	0.000	NonUniform
55	SA4	6489	14483	-0.20	20.82	0.000	0.48	5.95	0.015	-0.01	12.48	0.000	NonUniform
56	SA4	6489	14483	-0.19	32.19	0.000	-0.96	34.25	0.000	0.01	22.72	0.000	NonUniform
57	SA4	12407	28939	-0.26	128.69	0.000	-0.22	3.87	0.049	0.00	0.08	0.780	Uniform<
58	SA4	6489	14483	-0.29	81.04	0.000	-0.83	24.59	0.000	0.01	10.62	0.001	NonUniform
59	SA4	6489	14483	-0.37	127.35	0.000	-0.85	25.31	0.000	0.01	8.35	0.004	NonUniform
60	SA4	6489	14483	0.10	6.82	0.009	0.80	18.12	0.000	-0.01	14.53	0.000	NonUniform

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.167: Logistic Regression DIF Results on Stage II Speaking Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
53	SA4	1	20971	-7.59	0.01	0.933	-7.59	0.01	0.933	0.00			
54	SA4	4	41342	-0.66	0.49	0.484	-8.11	0.78	0.378	0.20	0.61	0.436	
55	SA4	1	20971	3.93	0.65	0.420	3.93	0.65	0.420	0.00			
56	SA4	1	20971	3.40	1.95	0.162	3.40	1.95	0.162	0.00			
57	SA4	4	41342	-0.15	0.03	0.871	5.79	0.75	0.386	-0.16	0.79	0.373	
58	SA4	1	20971	-0.72	0.12	0.732	-0.72	0.12	0.732	0.00			
59	SA4	1	20971	2.45	1.57	0.210	2.45	1.57	0.210	0.00			
60	SA4	1	20971	0.48	0.05	0.822	0.48	0.05	0.822	0.00			

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.168: Logistic Regression DIF Results on Stage III Reading Items for the Male/Female Comparison

Focal Group: Male; Reference Group: Female													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	3686	5073	-0.27	22.96	0.000	0.26	1.30	0.255	-0.01	5.67	0.017	Uniform<
16	MC	3686	5073	0.05	1.27	0.260	-0.55	5.14	0.023	0.01	6.40	0.011	
17	MC	3686	5073	0.00	0.00	0.974	0.29	1.96	0.162	-0.01	2.08	0.149	
18	MC	7480	10183	-0.10	9.01	0.003	-0.55	9.05	0.003	0.01	6.27	0.012	Uniform<
19	MC	3686	5073	0.09	2.81	0.094	0.33	1.60	0.206	0.00	0.85	0.355	
20	MC	7480	10183	0.18	30.64	0.000	0.22	1.99	0.158	0.00	0.07	0.787	Uniform>
21	MC	7480	10183	0.45	78.91	0.000	0.59	9.47	0.002	0.00	0.58	0.447	Uniform>
22	MC	7480	10183	0.09	8.04	0.005	0.24	2.75	0.098	0.00	1.11	0.292	Uniform>
23	MC	7480	10183	0.10	9.61	0.002	0.33	4.62	0.032	0.00	2.38	0.123	Uniform>
24	MC	3686	5073	0.29	34.14	0.000	0.81	8.75	0.003	-0.01	3.68	0.055	Uniform>
25	MC	3686	5073	0.34	44.17	0.000	0.80	10.88	0.001	-0.01	3.69	0.055	Uniform>
26	MC	3686	5073	0.03	0.36	0.547	-0.34	1.72	0.189	0.01	2.10	0.147	
27	MC	3686	5073	0.04	0.54	0.462	-0.45	3.24	0.072	0.01	3.93	0.048	
28	MC	3686	5073	-0.02	0.15	0.700	-0.39	2.51	0.113	0.01	2.37	0.124	
29	MC	3686	5073	-0.05	0.95	0.330	0.01	0.00	0.972	0.00	0.05	0.818	
30	MC	3686	5073	0.15	9.66	0.002	-0.02	0.01	0.933	0.00	0.46	0.496	Uniform>
31	MC	3686	5073	0.19	14.45	0.000	0.55	4.65	0.031	-0.01	2.11	0.146	Uniform>
32	MC	3686	5073	-0.04	0.54	0.464	-0.72	8.13	0.004	0.01	7.65	0.006	NonUniform
33	MC	3686	5073	0.00	0.01	0.937	0.00	0.00	0.995	0.00	0.00	0.982	
34	MC	3686	5073	0.07	2.26	0.132	0.19	0.64	0.423	0.00	0.27	0.602	
35	MC	3686	5073	0.11	4.70	0.030	0.35	1.50	0.220	0.00	0.75	0.387	
36	MC	3686	5073	-0.08	2.64	0.104	-0.07	0.07	0.785	0.00	0.00	0.975	
37	MC	3686	5073	0.02	0.21	0.643	-0.16	0.54	0.462	0.00	0.74	0.390	
56	SA1	3686	5073	-0.13	7.30	0.007	0.15	0.36	0.551	0.00	1.37	0.243	Uniform<
57	SA1	3686	5073	-0.47	87.69	0.000	0.11	0.15	0.700	-0.01	3.98	0.046	Uniform<
58	SA1	3686	5073	-0.33	32.82	0.000	-0.43	2.42	0.120	0.00	0.13	0.715	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.169: Logistic Regression DIF Results on Stage III Reading Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	7659	1107	-0.02	0.04	0.832	-0.58	3.73	0.053	0.01	3.83	0.050	
16	MC	7659	1107	-0.44	42.44	0.000	-0.39	1.48	0.224	0.00	0.03	0.854	Uniform<
17	MC	7659	1107	-0.25	11.93	0.001	-0.01	0.00	0.980	0.00	0.76	0.383	Uniform<
18	MC	15181	2491	-0.24	23.88	0.000	-0.84	13.42	0.000	0.01	7.23	0.007	NonUniform
19	MC	7659	1107	-0.01	0.01	0.924	0.15	0.17	0.684	0.00	0.20	0.659	
20	MC	15181	2491	-0.16	12.70	0.000	-0.03	0.03	0.864	0.00	0.41	0.520	Uniform<
21	MC	15181	2491	-0.13	3.09	0.079	-0.25	1.02	0.313	0.00	0.27	0.605	
22	MC	15181	2491	-0.14	10.36	0.001	0.44	5.48	0.019	-0.01	10.27	0.001	NonUniform
23	MC	15181	2491	-0.18	14.53	0.000	-0.39	3.80	0.051	0.00	1.21	0.271	Uniform<
24	MC	7659	1107	0.02	0.07	0.790	-0.94	6.62	0.010	0.02	7.18	0.007	NonUniform
25	MC	7659	1107	-0.15	3.42	0.065	-0.63	3.74	0.053	0.01	2.35	0.125	
26	MC	7659	1107	-0.12	2.74	0.098	-1.07	10.62	0.001	0.02	8.76	0.003	NonUniform
27	MC	7659	1107	-0.09	1.80	0.180	0.11	0.10	0.752	0.00	0.37	0.545	
28	MC	7659	1107	-0.05	0.49	0.485	0.44	1.63	0.201	-0.01	2.14	0.143	
29	MC	7659	1107	-0.10	2.20	0.138	0.45	1.76	0.184	-0.01	2.79	0.095	
30	MC	7659	1107	-0.01	0.01	0.930	0.52	1.97	0.161	-0.01	2.10	0.148	
31	MC	7659	1107	-0.11	2.22	0.136	-0.58	2.84	0.092	0.01	1.95	0.163	
32	MC	7659	1107	0.10	1.36	0.243	0.43	1.48	0.224	-0.01	0.94	0.332	
33	MC	7659	1107	-0.19	8.24	0.004	-0.73	5.99	0.014	0.01	3.38	0.066	Uniform<
34	MC	7659	1107	0.04	0.42	0.518	-0.43	1.76	0.184	0.01	2.24	0.135	
35	MC	7659	1107	-0.28	14.44	0.000	-1.35	13.47	0.000	0.02	8.71	0.003	NonUniform
36	MC	7659	1107	-0.06	0.83	0.363	-0.03	0.01	0.932	0.00	0.01	0.921	
37	MC	7659	1107	0.10	1.93	0.165	0.96	9.06	0.003	-0.01	7.81	0.005	NonUniform
56	SA1	7659	1107	-0.07	0.88	0.348	-0.35	1.21	0.271	0.00	0.83	0.362	
57	SA1	7659	1107	-0.34	20.11	0.000	-0.11	0.07	0.786	0.00	0.31	0.577	Uniform<
58	SA1	7659	1107	-0.03	0.10	0.747	0.40	1.03	0.310	-0.01	1.24	0.265	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.170: Logistic Regression DIF Results on Stage III Reading Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	684	8082	0.04	0.16	0.689	0.38	0.63	0.428	-0.01	0.53	0.469	
16	MC	684	8082	0.54	42.33	0.000	-0.80	2.67	0.102	0.02	7.76	0.005	NonUniform
17	MC	684	8082	0.15	2.75	0.097	0.24	0.31	0.579	0.00	0.05	0.825	
18	MC	1693	15979	0.11	3.87	0.049	-0.28	0.75	0.386	0.01	1.49	0.222	
19	MC	684	8082	0.03	0.07	0.789	-1.28	4.86	0.027	0.03	5.20	0.023	
20	MC	1693	15979	0.06	1.22	0.270	-0.32	1.27	0.260	0.01	1.84	0.175	
21	MC	1693	15979	-0.04	0.21	0.649	-0.43	1.24	0.266	0.01	1.08	0.300	
22	MC	1693	15979	-0.03	0.40	0.528	-0.06	0.04	0.837	0.00	0.01	0.934	
23	MC	1693	15979	0.15	8.05	0.005	-0.11	0.15	0.697	0.00	0.88	0.349	Uniform>
24	MC	684	8082	-0.15	2.89	0.089	-0.10	0.04	0.850	0.00	0.01	0.923	
25	MC	684	8082	0.07	0.58	0.446	-1.52	7.64	0.006	0.03	8.57	0.003	NonUniform
26	MC	684	8082	-0.09	1.15	0.283	0.11	0.05	0.827	0.00	0.17	0.680	
27	MC	684	8082	-0.06	0.45	0.504	-0.03	0.00	0.958	0.00	0.00	0.945	
28	MC	684	8082	0.02	0.06	0.805	-0.50	1.03	0.310	0.01	1.17	0.280	
29	MC	684	8082	-0.12	2.09	0.148	-1.29	6.38	0.012	0.02	5.43	0.020	
30	MC	684	8082	-0.08	0.82	0.364	-0.32	0.39	0.530	0.00	0.23	0.631	
31	MC	684	8082	0.13	2.09	0.148	-0.21	0.18	0.675	0.01	0.46	0.496	
32	MC	684	8082	-0.06	0.32	0.574	-0.49	0.85	0.356	0.01	0.70	0.404	
33	MC	684	8082	-0.09	1.09	0.296	-0.14	0.09	0.770	0.00	0.01	0.918	
34	MC	684	8082	-0.13	2.35	0.125	-1.28	6.06	0.014	0.02	5.07	0.024	
35	MC	684	8082	0.02	0.04	0.847	-0.72	1.55	0.214	0.01	1.66	0.197	
36	MC	684	8082	-0.09	1.21	0.272	-0.25	0.25	0.616	0.00	0.10	0.751	
37	MC	684	8082	0.18	4.63	0.031	0.05	0.01	0.910	0.00	0.10	0.751	
56	SA1	684	8082	-0.20	4.83	0.028	0.46	0.90	0.343	-0.01	1.92	0.166	
57	SA1	684	8082	-0.05	0.27	0.602	-0.58	1.02	0.312	0.01	0.89	0.345	
58	SA1	684	8082	0.06	0.36	0.547	-1.62	6.69	0.010	0.03	7.36	0.007	NonUniform

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.171: Logistic Regression DIF Results on Stage III Reading Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1377	7389	-0.11	2.37	0.123	-0.19	0.38	0.539	0.00	0.07	0.794	
16	MC	1377	7389	-0.09	1.92	0.166	-0.29	0.80	0.372	0.00	0.39	0.532	
17	MC	1377	7389	-0.01	0.03	0.868	-0.55	3.65	0.056	0.01	3.68	0.055	
18	MC	2840	14832	-0.19	15.90	0.000	-0.10	0.17	0.677	0.00	0.13	0.721	Uniform<
19	MC	1377	7389	-0.40	33.33	0.000	-1.09	9.70	0.002	0.01	4.09	0.043	Uniform<
20	MC	2840	14832	-0.04	0.75	0.386	0.09	0.18	0.670	0.00	0.39	0.531	
21	MC	2840	14832	-0.33	34.91	0.000	-1.40	27.97	0.000	0.02	16.82	0.000	NonUniform
22	MC	2840	14832	-0.03	0.56	0.453	0.02	0.01	0.935	0.00	0.07	0.795	
23	MC	2840	14832	-0.01	0.03	0.871	-0.79	13.31	0.000	0.02	13.66	0.000	NonUniform
24	MC	1377	7389	-0.22	10.64	0.001	0.25	0.49	0.486	-0.01	1.80	0.180	Uniform<
25	MC	1377	7389	-0.26	16.15	0.000	-0.98	8.68	0.003	0.01	4.83	0.028	Uniform<
26	MC	1377	7389	-0.13	3.62	0.057	0.73	5.09	0.024	-0.02	7.28	0.007	NonUniform
27	MC	1377	7389	-0.01	0.01	0.937	0.27	0.68	0.410	-0.01	0.74	0.391	
28	MC	1377	7389	0.09	1.87	0.171	1.37	20.67	0.000	-0.02	18.58	0.000	NonUniform
29	MC	1377	7389	-0.02	0.14	0.711	0.92	9.66	0.002	-0.02	10.59	0.001	NonUniform
30	MC	1377	7389	0.03	0.26	0.613	0.22	0.46	0.499	0.00	0.35	0.557	
31	MC	1377	7389	-0.14	4.24	0.040	-0.18	0.29	0.590	0.00	0.02	0.887	
32	MC	1377	7389	0.08	1.18	0.277	0.80	6.32	0.012	-0.01	5.32	0.021	
33	MC	1377	7389	-0.16	5.63	0.018	0.28	0.86	0.353	-0.01	2.17	0.141	
34	MC	1377	7389	-0.01	0.01	0.928	-0.51	2.45	0.118	0.01	2.50	0.114	
35	MC	1377	7389	-0.12	2.85	0.091	1.34	14.61	0.000	-0.03	17.85	0.000	NonUniform
36	MC	1377	7389	-0.15	5.17	0.023	0.62	3.76	0.053	-0.01	6.04	0.014	
37	MC	1377	7389	0.11	2.58	0.108	0.11	0.15	0.703	0.00	0.00	0.989	
56	SA1	1377	7389	0.02	0.10	0.758	0.46	2.13	0.144	-0.01	2.02	0.155	
57	SA1	1377	7389	-0.21	9.24	0.002	-0.43	1.17	0.280	0.00	0.31	0.580	Uniform<
58	SA1	1377	7389	-0.34	23.17	0.000	-1.85	22.72	0.000	0.03	15.61	0.000	NonUniform

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.172: Logistic Regression DIF Results on Stage III Reading Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	5837	2929	-0.19	10.25	0.001	-0.30	1.73	0.188	0.00	0.25	0.614	Uniform<
16	MC	5837	2929	-0.13	6.98	0.008	-0.13	0.26	0.607	0.00	0.00	0.989	Uniform<
17	MC	5837	2929	-0.08	2.56	0.110	-0.07	0.11	0.736	0.00	0.00	0.969	
18	MC	11625	6047	-0.24	48.96	0.000	-0.33	3.28	0.070	0.00	0.22	0.637	Uniform<
19	MC	5837	2929	-0.01	0.01	0.922	-0.11	0.17	0.679	0.00	0.16	0.687	
20	MC	11625	6047	-0.05	2.50	0.114	-0.21	1.87	0.171	0.00	1.11	0.292	
21	MC	11625	6047	0.06	1.47	0.226	-0.13	0.45	0.501	0.00	1.07	0.302	
22	MC	11625	6047	-0.04	1.24	0.266	0.52	12.51	0.000	-0.01	15.19	0.000	NonUniform
23	MC	11625	6047	-0.08	5.04	0.025	-0.02	0.01	0.905	0.00	0.14	0.713	
24	MC	5837	2929	0.05	0.90	0.344	-0.62	4.92	0.027	0.01	5.94	0.015	
25	MC	5837	2929	-0.06	1.30	0.254	-0.40	2.62	0.106	0.01	1.96	0.161	
26	MC	5837	2929	-0.13	7.09	0.008	-0.22	0.71	0.398	0.00	0.11	0.735	Uniform<
27	MC	5837	2929	-0.08	2.27	0.132	0.30	1.41	0.234	-0.01	2.31	0.129	
28	MC	5837	2929	0.04	0.49	0.486	0.46	3.40	0.065	-0.01	3.03	0.081	
29	MC	5837	2929	-0.13	7.32	0.007	0.00	0.00	0.995	0.00	0.31	0.580	Uniform<
30	MC	5837	2929	0.03	0.30	0.585	0.38	2.07	0.150	-0.01	1.85	0.174	
31	MC	5837	2929	-0.01	0.07	0.794	-0.54	4.27	0.039	0.01	4.22	0.040	
32	MC	5837	2929	-0.01	0.02	0.879	0.29	1.31	0.253	-0.01	1.47	0.226	
33	MC	5837	2929	-0.05	0.93	0.336	-0.16	0.48	0.490	0.00	0.25	0.617	
34	MC	5837	2929	0.05	1.05	0.305	-0.41	2.80	0.094	0.01	3.67	0.055	
35	MC	5837	2929	-0.08	2.45	0.118	-0.69	5.68	0.017	0.01	4.56	0.033	
36	MC	5837	2929	-0.03	0.33	0.567	-0.24	0.88	0.349	0.00	0.71	0.401	
37	MC	5837	2929	0.03	0.29	0.592	0.68	9.36	0.002	-0.01	9.15	0.002	NonUniform
56	SA1	5837	2929	-0.01	0.05	0.827	-0.14	0.31	0.577	0.00	0.27	0.601	
57	SA1	5837	2929	-0.15	8.39	0.004	-0.02	0.01	0.944	0.00	0.19	0.660	Uniform<
58	SA1	5837	2929	0.09	2.45	0.118	-0.10	0.13	0.714	0.00	0.53	0.468	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.173: Logistic Regression DIF Results on Stage III Reading Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	5837	1131	-0.30	11.51	0.001	-0.09	0.05	0.831	0.00	0.31	0.580	Uniform<
16	MC	5837	1131	-0.10	2.06	0.151	0.27	0.50	0.481	-0.01	0.96	0.328	
17	MC	5837	1131	0.03	0.16	0.687	0.13	0.14	0.708	0.00	0.09	0.765	
18	MC	11625	2296	-0.15	9.49	0.002	0.25	0.76	0.382	-0.01	2.01	0.156	Uniform<
19	MC	5837	1131	-0.02	0.05	0.822	1.34	8.11	0.004	-0.03	8.57	0.003	NonUniform
20	MC	11625	2296	0.00	0.01	0.917	0.63	5.81	0.016	-0.01	5.93	0.015	
21	MC	11625	2296	0.25	12.06	0.001	0.60	3.30	0.069	-0.01	1.20	0.274	Uniform>
22	MC	11625	2296	0.08	2.55	0.110	0.81	10.73	0.001	-0.01	9.21	0.002	NonUniform
23	MC	11625	2296	-0.06	1.75	0.186	0.26	1.03	0.310	-0.01	1.65	0.199	
24	MC	5837	1131	0.17	5.32	0.021	-0.57	1.82	0.177	0.01	3.16	0.076	
25	MC	5837	1131	0.06	0.65	0.421	0.33	0.65	0.420	0.00	0.45	0.504	
26	MC	5837	1131	0.00	0.00	0.948	-0.14	0.12	0.727	0.00	0.13	0.714	
27	MC	5837	1131	-0.04	0.34	0.562	0.48	1.43	0.231	-0.01	1.76	0.185	
28	MC	5837	1131	0.12	2.63	0.105	0.51	1.64	0.200	-0.01	1.00	0.316	
29	MC	5837	1131	0.00	0.00	0.959	0.38	0.98	0.323	-0.01	1.03	0.310	
30	MC	5837	1131	0.17	6.20	0.013	0.76	3.34	0.068	-0.01	2.04	0.153	
31	MC	5837	1131	0.05	0.55	0.458	-0.01	0.00	0.990	0.00	0.02	0.884	
32	MC	5837	1131	0.08	0.93	0.335	0.01	0.00	0.982	0.00	0.03	0.858	
33	MC	5837	1131	0.14	3.83	0.050	1.01	6.35	0.012	-0.02	4.93	0.026	
34	MC	5837	1131	0.13	3.29	0.070	0.79	3.71	0.054	-0.01	2.71	0.100	
35	MC	5837	1131	0.02	0.08	0.780	-0.42	0.92	0.337	0.01	1.04	0.308	
36	MC	5837	1131	0.12	2.99	0.084	-0.47	1.50	0.221	0.01	2.43	0.119	
37	MC	5837	1131	0.00	0.00	0.975	0.15	0.18	0.668	0.00	0.19	0.665	
56	SA1	5837	1131	0.14	3.51	0.061	-0.24	0.36	0.547	0.01	0.96	0.328	
57	SA1	5837	1131	0.09	1.69	0.193	0.12	0.07	0.789	0.00	0.00	0.953	
58	SA1	5837	1131	0.33	15.94	0.000	0.11	0.07	0.790	0.00	0.25	0.615	Uniform>

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.174: Logistic Regression DIF Results on Stage III Reading Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1798	1131	-0.18	3.07	0.080	0.29	0.45	0.501	-0.01	1.27	0.259	
16	MC	1798	1131	0.05	0.34	0.558	0.57	1.84	0.175	-0.01	1.61	0.205	
17	MC	1798	1131	0.18	4.67	0.031	0.29	0.59	0.444	0.00	0.08	0.771	
18	MC	3751	2296	0.15	7.03	0.008	0.85	7.22	0.007	-0.01	5.01	0.025	Uniform>
19	MC	1798	1131	-0.03	0.09	0.770	1.93	14.93	0.000	-0.04	15.91	0.000	NonUniform
20	MC	3751	2296	0.09	2.67	0.102	1.15	16.95	0.000	-0.02	15.02	0.000	NonUniform
21	MC	3751	2296	0.29	11.81	0.001	0.91	6.84	0.009	-0.01	3.35	0.067	Uniform>
22	MC	3751	2296	0.19	11.43	0.001	0.42	2.47	0.116	0.00	0.77	0.379	Uniform>
23	MC	3751	2296	0.02	0.12	0.727	0.39	1.95	0.163	-0.01	1.83	0.176	
24	MC	1798	1131	0.20	5.32	0.021	0.10	0.05	0.823	0.00	0.04	0.837	
25	MC	1798	1131	0.20	4.89	0.027	1.01	5.36	0.021	-0.02	3.61	0.057	
26	MC	1798	1131	0.23	7.71	0.005	0.16	0.13	0.720	0.00	0.03	0.866	Uniform>
27	MC	1798	1131	0.05	0.39	0.533	0.27	0.37	0.543	0.00	0.25	0.618	
28	MC	1798	1131	0.14	2.46	0.117	0.11	0.06	0.800	0.00	0.00	0.956	
29	MC	1798	1131	0.21	6.66	0.010	0.57	1.90	0.168	-0.01	0.80	0.370	Uniform>
30	MC	1798	1131	0.25	8.93	0.003	0.60	1.67	0.196	-0.01	0.58	0.446	Uniform>
31	MC	1798	1131	0.11	1.67	0.197	0.77	2.95	0.086	-0.01	2.25	0.133	
32	MC	1798	1131	0.15	2.29	0.130	-0.35	0.61	0.433	0.01	1.30	0.255	
33	MC	1798	1131	0.29	13.19	0.000	1.63	14.58	0.000	-0.02	10.23	0.001	NonUniform
34	MC	1798	1131	0.12	2.31	0.129	1.66	14.40	0.000	-0.03	12.85	0.000	NonUniform
35	MC	1798	1131	0.17	4.09	0.043	0.43	0.79	0.375	0.00	0.29	0.589	
36	MC	1798	1131	0.25	9.15	0.002	-0.28	0.43	0.511	0.01	1.59	0.208	Uniform>
37	MC	1798	1131	-0.04	0.19	0.659	-0.76	3.76	0.052	0.01	3.56	0.059	
56	SA1	1798	1131	0.25	8.01	0.005	-0.08	0.04	0.851	0.01	0.61	0.436	Uniform>
57	SA1	1798	1131	0.42	23.07	0.000	0.28	0.31	0.581	0.00	0.08	0.783	Uniform>
58	SA1	1798	1131	0.40	16.17	0.000	0.27	0.31	0.575	0.00	0.09	0.770	Uniform>

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.175: Logistic Regression DIF Results on Stage III Reading Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	64	1131	-0.28	0.71	0.401	0.68	0.22	0.641	-0.02	0.47	0.494	
16	MC	64	1131	0.73	7.15	0.007	-0.32	0.04	0.837	0.02	0.48	0.487	Uniform>
17	MC	64	1131	0.32	1.15	0.285	0.80	0.35	0.553	-0.01	0.14	0.712	
18	MC	210	2296	0.12	0.56	0.454	-0.25	0.07	0.792	0.01	0.15	0.695	
19	MC	64	1131	-0.84	6.97	0.008	-1.09	0.31	0.579	0.00	0.02	0.898	Uniform<
20	MC	210	2296	0.39	6.48	0.011	0.97	1.49	0.223	-0.01	0.55	0.456	
21	MC	210	2296	0.30	1.50	0.221	0.26	0.06	0.811	0.00	0.00	0.967	
22	MC	210	2296	0.18	1.42	0.234	0.33	0.18	0.672	0.00	0.04	0.843	
23	MC	210	2296	0.30	3.86	0.050	0.98	1.58	0.209	-0.01	0.79	0.374	
24	MC	64	1131	0.68	4.85	0.028	-0.71	0.15	0.700	0.03	0.58	0.445	
25	MC	64	1131	0.40	1.53	0.216	0.06	0.00	0.973	0.01	0.05	0.830	
26	MC	64	1131	0.05	0.03	0.861	0.05	0.00	0.975	0.00	0.00	1.000	
27	MC	64	1131	-0.26	0.76	0.384	0.17	0.01	0.916	-0.01	0.07	0.787	
28	MC	64	1131	-0.07	0.06	0.813	0.06	0.00	0.969	0.00	0.01	0.933	
29	MC	64	1131	-0.23	0.66	0.416	-1.02	0.38	0.535	0.01	0.24	0.623	
30	MC	64	1131	0.15	0.29	0.587	1.32	0.81	0.368	-0.02	0.66	0.418	
31	MC	64	1131	0.14	0.22	0.635	1.10	0.56	0.456	-0.02	0.44	0.506	
32	MC	64	1131	-0.17	0.24	0.621	1.48	0.87	0.351	-0.03	1.09	0.296	
33	MC	64	1131	-0.48	2.50	0.114	-0.34	0.04	0.844	0.00	0.01	0.935	
34	MC	64	1131	-0.30	1.12	0.291	0.05	0.00	0.974	-0.01	0.05	0.826	
35	MC	64	1131	-0.20	0.47	0.495	-1.55	0.61	0.434	0.02	0.48	0.489	
36	MC	64	1131	0.54	3.94	0.047	-2.03	1.34	0.247	0.04	2.21	0.137	
37	MC	64	1131	0.27	1.01	0.315	-2.09	1.90	0.168	0.04	2.57	0.109	
56	SA1	64	1131	-0.41	1.57	0.210	-0.93	0.27	0.601	0.01	0.09	0.766	
57	SA1	64	1131	0.04	0.02	0.883	1.27	0.64	0.425	-0.02	0.61	0.434	
58	SA1	64	1131	0.74	3.80	0.051	-0.03	0.00	0.987	0.02	0.18	0.669	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.176: Logistic Regression DIF Results on Stage III Reading Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	10753	8766	0.30	34.80	0.000	-0.62	5.58	0.018	0.02	12.78	0.000	NonUniform
16	MC	10753	8766	-0.08	4.79	0.029	-1.54	55.54	0.000	0.02	51.97	0.000	NonUniform
17	MC	10753	8766	0.06	2.64	0.104	-1.11	28.63	0.000	0.02	33.11	0.000	NonUniform
18	MC	20904	17672	0.38	210.55	0.000	-0.80	25.42	0.000	0.02	56.55	0.000	NonUniform
19	MC	10753	8766	0.37	51.43	0.000	-0.64	5.09	0.024	0.02	13.12	0.000	NonUniform
20	MC	20904	17672	-0.17	46.31	0.000	-2.94	398.64	0.000	0.04	368.62	0.000	NonUniform
21	MC	20904	17672	0.10	3.68	0.055	-0.41	2.98	0.084	0.01	4.70	0.030	
22	MC	20904	17672	-0.15	37.25	0.000	-2.18	252.53	0.000	0.03	228.57	0.000	NonUniform
23	MC	20904	17672	-0.01	0.08	0.778	0.04	0.09	0.769	0.00	0.12	0.726	
24	MC	10753	8766	0.20	23.93	0.000	-1.79	48.04	0.000	0.03	60.99	0.000	NonUniform
25	MC	10753	8766	-0.09	4.45	0.035	-2.59	107.42	0.000	0.04	103.36	0.000	NonUniform
26	MC	10753	8766	0.20	30.49	0.000	-2.50	114.01	0.000	0.04	137.40	0.000	NonUniform
27	MC	10753	8766	0.02	0.32	0.574	-2.59	143.59	0.000	0.04	151.18	0.000	NonUniform
28	MC	10753	8766	-0.01	0.02	0.886	-3.23	218.51	0.000	0.05	226.76	0.000	NonUniform
29	MC	10753	8766	0.02	0.40	0.527	-3.18	216.06	0.000	0.05	227.36	0.000	NonUniform
30	MC	10753	8766	0.16	18.24	0.000	-3.97	245.82	0.000	0.07	274.64	0.000	NonUniform
31	MC	10753	8766	0.09	5.16	0.023	-2.58	108.00	0.000	0.04	119.29	0.000	NonUniform
32	MC	10753	8766	-0.24	35.39	0.000	-4.71	335.30	0.000	0.07	318.45	0.000	NonUniform
33	MC	10753	8766	-0.03	0.68	0.411	-2.86	185.84	0.000	0.04	189.28	0.000	NonUniform
34	MC	10753	8766	0.00	0.01	0.919	-2.89	173.45	0.000	0.05	179.30	0.000	NonUniform
35	MC	10753	8766	0.03	0.69	0.405	-2.97	130.87	0.000	0.05	137.70	0.000	NonUniform
36	MC	10753	8766	0.02	0.26	0.614	-3.92	281.26	0.000	0.06	294.23	0.000	NonUniform
37	MC	10753	8766	-0.05	1.64	0.201	-1.82	82.99	0.000	0.03	82.17	0.000	NonUniform
56	SA1	10753	8766	-0.07	3.31	0.069	-0.57	7.79	0.005	0.01	6.32	0.012	
57	SA1	10753	8766	0.35	90.94	0.000	0.47	4.10	0.043	0.00	0.27	0.601	Uniform>
58	SA1	10753	8766	0.08	2.81	0.094	1.73	43.51	0.000	-0.03	41.06	0.000	NonUniform

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.177: Logistic Regression DIF Results on Stage III Reading Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1	19518	8.56	0.00	0.955	8.56	0.00	0.955	0.00			
16	MC	1	19518	-8.48	0.01	0.933	-8.48	0.01	0.933	0.00			
17	MC	1	19518	8.88	0.01	0.939	8.88	0.01	0.939	0.00			
18	MC	4	38572	1.12	0.88	0.350	-202.74	0.01	0.917	3.95	0.01	0.916	
19	MC	1	19518	8.67	0.00	0.952	8.67	0.00	0.952	0.00			
20	MC	4	38572	0.15	0.02	0.885	-94.18	0.01	0.924	1.75	0.01	0.924	
21	MC	4	38572	-1.26	1.10	0.293	-223.79	0.01	0.942	4.31	0.01	0.942	
22	MC	4	38572	-0.51	0.20	0.659	209.69	0.01	0.914	-4.06	0.01	0.913	
23	MC	4	38572	10.19	0.02	0.901	13.06	0.00	0.981	-0.05	0.00	0.996	
24	MC	1	19518	9.26	0.01	0.934	9.26	0.01	0.934	0.00			
25	MC	1	19518	8.92	0.01	0.942	8.92	0.01	0.942	0.00			
26	MC	1	19518	9.51	0.01	0.927	9.51	0.01	0.927	0.00			
27	MC	1	19518	-8.28	0.01	0.936	-8.28	0.01	0.936	0.00			
28	MC	1	19518	10.44	0.01	0.923	10.44	0.01	0.923	0.00			
29	MC	1	19518	9.80	0.01	0.922	9.80	0.01	0.922	0.00			
30	MC	1	19518	9.43	0.01	0.929	9.43	0.01	0.929	0.00			
31	MC	1	19518	9.24	0.01	0.934	9.24	0.01	0.934	0.00			
32	MC	1	19518	-8.12	0.00	0.950	-8.12	0.00	0.950	0.00			
33	MC	1	19518	9.91	0.01	0.921	9.91	0.01	0.921	0.00			
34	MC	1	19518	-8.70	0.01	0.931	-8.70	0.01	0.931	0.00			
35	MC	1	19518	-8.94	0.01	0.932	-8.94	0.01	0.932	0.00			
36	MC	1	19518	9.84	0.01	0.921	9.84	0.01	0.921	0.00			
37	MC	1	19518	10.44	0.01	0.928	10.44	0.01	0.928	0.00			
56	SA1	1	19518	10.61	0.01	0.928	10.61	0.01	0.928	0.00			
57	SA1	1	19518	9.55	0.01	0.927	9.55	0.01	0.927	0.00			
58	SA1	1	19518	8.68	0.00	0.951	8.68	0.00	0.951	0.00			

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.178: Logistic Regression DIF Results on Stage III Writing Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	3686	5073	0.27	16.39	0.000	0.60	5.45	0.020	-0.01	1.74	0.188	Uniform>
39	MC	7480	10183	0.30	92.40	0.000	0.09	0.34	0.558	0.00	2.13	0.144	Uniform>
40	MC	3686	5073	0.24	28.53	0.000	-0.15	0.50	0.477	0.01	3.53	0.060	Uniform>
41	MC	3686	5073	0.24	24.49	0.000	-0.17	0.44	0.506	0.01	2.70	0.100	Uniform>
42	MC	7480	10183	0.21	42.21	0.000	-0.21	1.68	0.196	0.01	7.02	0.008	NonUniform
43	MC	3686	5073	0.30	41.59	0.000	0.40	2.75	0.098	0.00	0.17	0.682	Uniform>
44	MC	3686	5073	0.03	0.31	0.577	0.39	2.04	0.153	-0.01	1.81	0.178	
45	MC	3686	5073	0.08	3.45	0.063	0.42	4.12	0.042	-0.01	2.77	0.096	
46	MC	3686	5073	-0.06	1.68	0.195	-0.38	2.42	0.120	0.01	1.78	0.182	
47	MC	7480	10183	0.00	0.01	0.917	-0.16	1.03	0.310	0.00	1.03	0.310	
48	MC	3686	5073	0.04	0.66	0.416	0.01	0.00	0.963	0.00	0.01	0.914	
49	MC	3686	5073	0.01	0.06	0.810	0.19	0.54	0.463	0.00	0.49	0.483	
50	MC	3686	5073	0.31	25.32	0.000	0.38	1.60	0.205	0.00	0.05	0.815	Uniform>
51	MC	3686	5073	0.14	7.66	0.006	0.54	4.70	0.030	-0.01	2.65	0.103	Uniform>
52	MC	3686	5073	-0.13	7.39	0.007	-0.09	0.15	0.696	0.00	0.02	0.887	Uniform<
53	MC	7480	10183	-0.02	0.25	0.619	-0.04	0.04	0.845	0.00	0.01	0.920	
54	ER	3686	5073	0.59	160.75	0.000	0.56	8.84	0.003	0.00	0.02	0.902	Uniform>
55	ER	3686	5073	0.31	51.68	0.000	0.28	2.30	0.129	0.00	0.03	0.874	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.179: Logistic Regression DIF Results on Stage III Writing Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	7659	1107	-0.07	0.42	0.517	0.55	2.25	0.133	-0.01	3.03	0.082	
39	MC	15181	2491	-0.16	12.88	0.000	0.23	1.25	0.263	-0.01	3.88	0.049	Uniform<
40	MC	7659	1107	0.02	0.07	0.787	0.01	0.00	0.984	0.00	0.00	0.965	
41	MC	7659	1107	-0.30	16.32	0.000	-0.04	0.02	0.902	0.00	0.55	0.459	Uniform<
42	MC	15181	2491	-0.09	4.18	0.041	-0.22	1.15	0.284	0.00	0.41	0.524	
43	MC	7659	1107	-0.19	6.96	0.008	-0.58	3.17	0.075	0.01	1.52	0.218	Uniform<
44	MC	7659	1107	-0.26	10.07	0.002	-1.55	20.69	0.000	0.02	15.21	0.000	NonUniform
45	MC	7659	1107	-0.23	10.94	0.001	0.36	1.55	0.213	-0.01	4.34	0.037	Uniform<
46	MC	7659	1107	-0.16	5.74	0.017	0.00	0.00	0.995	0.00	0.27	0.605	
47	MC	15181	2491	-0.33	50.31	0.000	-0.10	0.22	0.638	0.00	1.32	0.251	Uniform<
48	MC	7659	1107	-0.34	19.61	0.000	-0.68	3.69	0.055	0.01	0.96	0.328	Uniform<
49	MC	7659	1107	0.20	7.99	0.005	0.07	0.04	0.844	0.00	0.13	0.718	Uniform>
50	MC	7659	1107	0.16	2.96	0.086	-0.42	1.09	0.296	0.01	2.17	0.141	
51	MC	7659	1107	0.19	5.92	0.015	-0.74	4.94	0.026	0.02	8.21	0.004	NonUniform
52	MC	7659	1107	-0.10	2.05	0.152	0.17	0.25	0.614	0.00	0.67	0.412	
53	MC	15181	2491	-0.13	6.61	0.010	-0.76	11.17	0.001	0.01	8.05	0.005	NonUniform
54	ER	7659	1107	-0.02	0.10	0.756	0.08	0.11	0.741	0.00	0.18	0.667	
55	ER	7659	1107	0.04	0.47	0.494	0.35	1.82	0.177	-0.01	1.48	0.223	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.180: Logistic Regression DIF Results on Stage III Writing Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	684	8082	0.10	0.68	0.410	0.01	0.00	0.982	0.00	0.03	0.868	
39	MC	1693	15979	0.12	5.56	0.018	-0.71	5.99	0.014	0.01	8.59	0.003	NonUniform
40	MC	684	8082	0.10	1.36	0.243	-0.25	0.32	0.571	0.01	0.64	0.422	
41	MC	684	8082	0.04	0.20	0.652	-0.95	3.26	0.071	0.02	3.64	0.056	
42	MC	1693	15979	-0.01	0.07	0.788	-0.28	0.88	0.349	0.00	0.82	0.366	
43	MC	684	8082	0.07	0.63	0.427	-0.54	1.18	0.277	0.01	1.55	0.213	
44	MC	684	8082	-0.07	0.56	0.455	-0.17	0.10	0.748	0.00	0.04	0.847	
45	MC	684	8082	0.22	6.90	0.009	0.49	1.36	0.243	0.00	0.43	0.514	Uniform>
46	MC	684	8082	0.10	1.45	0.228	0.27	0.35	0.554	0.00	0.14	0.705	
47	MC	1693	15979	0.10	3.40	0.065	-0.71	5.60	0.018	0.01	7.52	0.006	NonUniform
48	MC	684	8082	-0.02	0.04	0.844	-0.45	0.74	0.391	0.01	0.70	0.402	
49	MC	684	8082	-0.11	1.71	0.190	0.37	0.58	0.448	-0.01	1.01	0.315	
50	MC	684	8082	0.04	0.13	0.717	-1.31	3.90	0.048	0.03	4.22	0.040	
51	MC	684	8082	-0.01	0.00	0.944	-0.68	1.68	0.195	0.01	1.69	0.193	
52	MC	684	8082	0.03	0.13	0.724	0.21	0.21	0.650	0.00	0.16	0.693	
53	MC	1693	15979	0.00	0.01	0.939	-0.09	0.07	0.787	0.00	0.07	0.795	
54	ER	684	8082	0.11	1.87	0.172	1.21	9.57	0.002	-0.02	8.19	0.004	NonUniform
55	ER	684	8082	0.09	1.23	0.267	0.94	6.01	0.014	-0.02	5.09	0.024	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.181: Logistic Regression DIF Results on Stage III Writing Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	1377	7389	-0.45	34.51	0.000	-2.05	31.40	0.000	0.03	19.71	0.000	NonUniform
39	MC	2840	14832	-0.10	4.95	0.026	-0.43	4.22	0.040	0.01	2.64	0.104	
40	MC	1377	7389	0.03	0.19	0.666	-0.28	0.97	0.325	0.01	1.22	0.269	
41	MC	1377	7389	-0.06	0.99	0.321	-0.25	0.57	0.449	0.00	0.33	0.567	
42	MC	2840	14832	-0.07	2.17	0.141	-0.06	0.07	0.790	0.00	0.00	0.968	
43	MC	1377	7389	0.01	0.01	0.923	-1.10	10.19	0.001	0.02	10.71	0.001	NonUniform
44	MC	1377	7389	-0.36	29.26	0.000	-1.15	9.60	0.002	0.02	4.64	0.031	Uniform<
45	MC	1377	7389	0.02	0.13	0.721	0.39	2.07	0.150	-0.01	1.94	0.163	
46	MC	1377	7389	0.00	0.00	0.959	0.28	0.78	0.379	-0.01	0.83	0.362	
47	MC	2840	14832	-0.05	1.25	0.264	-0.15	0.49	0.486	0.00	0.23	0.635	
48	MC	1377	7389	-0.06	0.86	0.353	-0.19	0.29	0.588	0.00	0.14	0.711	
49	MC	1377	7389	-0.06	0.80	0.370	0.30	0.81	0.369	-0.01	1.21	0.272	
50	MC	1377	7389	-0.26	13.01	0.000	-0.94	5.56	0.018	0.01	2.97	0.085	Uniform<
51	MC	1377	7389	-0.12	3.24	0.072	-0.37	1.20	0.272	0.00	0.57	0.452	
52	MC	1377	7389	-0.03	0.15	0.698	0.89	8.77	0.003	-0.02	9.66	0.002	NonUniform
53	MC	2840	14832	-0.19	16.52	0.000	-0.34	2.05	0.152	0.00	0.44	0.508	Uniform<
54	ER	1377	7389	-0.32	26.82	0.000	-0.40	2.41	0.121	0.00	0.11	0.742	Uniform<
55	ER	1377	7389	-0.22	14.34	0.000	-0.21	0.69	0.406	0.00	0.00	0.952	Uniform<

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.182: Logistic Regression DIF Results on Stage III Writing Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	5837	2929	0.01	0.02	0.897	0.04	0.02	0.886	0.00	0.01	0.910	
39	MC	11625	6047	-0.05	2.56	0.110	0.03	0.05	0.827	0.00	0.33	0.564	
40	MC	5837	2929	-0.01	0.03	0.873	-0.14	0.43	0.512	0.00	0.41	0.524	
41	MC	5837	2929	-0.13	6.52	0.011	0.01	0.00	0.961	0.00	0.32	0.572	
42	MC	11625	6047	-0.06	2.71	0.100	0.04	0.06	0.802	0.00	0.36	0.546	
43	MC	5837	2929	-0.04	0.74	0.388	-0.55	5.09	0.024	0.01	4.51	0.034	
44	MC	5837	2929	-0.10	3.03	0.082	-1.07	15.93	0.000	0.02	13.77	0.000	NonUniform
45	MC	5837	2929	-0.12	6.38	0.012	0.50	5.55	0.019	-0.01	8.99	0.003	NonUniform
46	MC	5837	2929	-0.01	0.07	0.797	0.13	0.30	0.581	0.00	0.38	0.538	
47	MC	11625	6047	-0.16	22.41	0.000	0.12	0.53	0.468	0.00	3.10	0.078	Uniform<
48	MC	5837	2929	-0.11	4.48	0.034	-0.65	6.08	0.014	0.01	4.36	0.037	
49	MC	5837	2929	0.09	3.03	0.082	-0.15	0.33	0.568	0.00	0.84	0.358	
50	MC	5837	2929	0.03	0.22	0.643	-0.66	4.83	0.028	0.01	5.52	0.019	
51	MC	5837	2929	0.03	0.34	0.562	-0.59	5.41	0.020	0.01	6.29	0.012	
52	MC	5837	2929	-0.13	7.39	0.007	0.01	0.00	0.969	0.00	0.36	0.549	Uniform<
53	MC	11625	6047	-0.06	2.43	0.119	-0.52	8.37	0.004	0.01	6.91	0.009	NonUniform
54	ER	5837	2929	0.04	0.56	0.452	0.39	4.32	0.038	-0.01	3.81	0.051	
55	ER	5837	2929	0.09	4.43	0.035	0.43	5.22	0.022	-0.01	3.37	0.067	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.183: Logistic Regression DIF Results on Stage III Writing Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	5837	1131	0.18	3.40	0.065	1.30	7.97	0.005	-0.02	6.16	0.013	
39	MC	11625	2296	0.02	0.16	0.692	0.51	4.05	0.044	-0.01	3.91	0.048	
40	MC	5837	1131	0.01	0.03	0.854	0.36	1.02	0.313	-0.01	0.98	0.321	
41	MC	5837	1131	-0.05	0.51	0.474	1.13	6.87	0.009	-0.02	7.73	0.005	NonUniform
42	MC	11625	2296	0.04	0.88	0.348	0.68	6.41	0.011	-0.01	5.80	0.016	
43	MC	5837	1131	0.08	1.40	0.237	0.55	1.80	0.179	-0.01	1.34	0.247	
44	MC	5837	1131	0.10	1.53	0.217	0.12	0.07	0.785	0.00	0.00	0.953	
45	MC	5837	1131	-0.16	5.44	0.020	0.66	3.64	0.057	-0.01	5.80	0.016	
46	MC	5837	1131	0.04	0.33	0.568	0.09	0.06	0.804	0.00	0.02	0.884	
47	MC	11625	2296	-0.03	0.39	0.532	0.58	4.88	0.027	-0.01	5.59	0.018	
48	MC	5837	1131	0.09	1.62	0.203	-0.18	0.20	0.656	0.00	0.46	0.496	
49	MC	5837	1131	0.15	4.59	0.032	0.64	2.32	0.128	-0.01	1.40	0.237	
50	MC	5837	1131	0.03	0.08	0.780	0.34	0.46	0.495	-0.01	0.41	0.521	
51	MC	5837	1131	0.04	0.27	0.606	0.12	0.08	0.781	0.00	0.03	0.853	
52	MC	5837	1131	-0.12	3.16	0.075	-0.03	0.01	0.936	0.00	0.06	0.801	
53	MC	11625	2296	0.13	6.31	0.012	0.19	0.41	0.524	0.00	0.04	0.844	
54	ER	5837	1131	0.03	0.21	0.644	0.32	1.06	0.302	-0.01	0.91	0.340	
55	ER	5837	1131	0.04	0.37	0.542	0.34	1.25	0.264	-0.01	1.01	0.315	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.184: Logistic Regression DIF Results on Stage III Writing Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	1798	1131	0.28	5.85	0.016	1.64	11.27	0.001	-0.03	8.15	0.004	NonUniform
39	MC	3751	2296	0.12	4.45	0.035	0.67	5.97	0.015	-0.01	4.25	0.039	
40	MC	1798	1131	0.03	0.15	0.695	0.69	3.24	0.072	-0.01	3.10	0.078	
41	MC	1798	1131	0.13	2.42	0.120	1.57	11.40	0.001	-0.03	9.89	0.002	NonUniform
42	MC	3751	2296	0.16	8.49	0.004	0.91	9.74	0.002	-0.01	6.81	0.009	NonUniform
43	MC	1798	1131	0.20	6.22	0.013	1.54	12.57	0.000	-0.02	9.85	0.002	NonUniform
44	MC	1798	1131	0.30	11.23	0.001	1.67	12.40	0.000	-0.03	8.61	0.003	NonUniform
45	MC	1798	1131	-0.06	0.56	0.455	0.21	0.32	0.572	0.00	0.55	0.459	
46	MC	1798	1131	0.09	1.10	0.293	-0.04	0.01	0.933	0.00	0.09	0.770	
47	MC	3751	2296	0.22	14.73	0.000	0.66	5.48	0.019	-0.01	2.59	0.107	Uniform>
48	MC	1798	1131	0.34	15.37	0.000	0.69	2.35	0.125	-0.01	0.63	0.426	Uniform>
49	MC	1798	1131	0.11	1.63	0.201	1.15	6.17	0.013	-0.02	5.26	0.022	
50	MC	1798	1131	-0.03	0.07	0.797	1.38	6.53	0.011	-0.03	7.03	0.008	NonUniform
51	MC	1798	1131	0.00	0.00	0.974	0.97	4.74	0.029	-0.02	4.91	0.027	
52	MC	1798	1131	0.01	0.03	0.855	-0.05	0.02	0.899	0.00	0.03	0.868	
53	MC	3751	2296	0.30	25.02	0.000	1.00	10.13	0.001	-0.01	5.11	0.024	Uniform>
54	ER	1798	1131	-0.01	0.03	0.858	-0.14	0.17	0.677	0.00	0.15	0.700	
55	ER	1798	1131	-0.09	1.37	0.243	-0.16	0.23	0.629	0.00	0.05	0.824	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.185: Logistic Regression DIF Results on Stage III Writing Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	64	1131	0.28	0.41	0.521	1.62	0.89	0.346	-0.03	0.67	0.413	
39	MC	210	2296	0.25	2.77	0.096	0.04	0.00	0.965	0.00	0.07	0.790	
40	MC	64	1131	-0.46	2.67	0.102	1.62	1.49	0.222	-0.04	2.49	0.114	
41	MC	64	1131	-0.28	0.93	0.336	-0.29	0.03	0.870	0.00	0.00	0.997	
42	MC	210	2296	0.16	1.11	0.292	1.00	1.50	0.221	-0.01	1.09	0.296	
43	MC	64	1131	0.25	0.78	0.376	-1.52	0.66	0.417	0.03	0.92	0.337	
44	MC	64	1131	-0.19	0.39	0.532	0.38	0.05	0.819	-0.01	0.12	0.728	
45	MC	64	1131	0.22	0.59	0.443	1.30	1.00	0.316	-0.02	0.74	0.390	
46	MC	64	1131	-0.19	0.48	0.489	0.29	0.04	0.845	-0.01	0.11	0.741	
47	MC	210	2296	0.41	6.83	0.009	-0.97	1.10	0.295	0.02	2.28	0.131	Uniform>
48	MC	64	1131	0.24	0.67	0.413	-1.76	0.81	0.368	0.04	1.07	0.300	
49	MC	64	1131	-0.32	1.24	0.266	-0.58	0.10	0.747	0.00	0.02	0.884	
50	MC	64	1131	-0.73	4.73	0.030	-0.01	0.00	0.994	-0.01	0.15	0.698	
51	MC	64	1131	-0.20	0.44	0.509	0.04	0.00	0.980	0.00	0.02	0.879	
52	MC	64	1131	-0.41	2.10	0.147	-1.91	1.19	0.275	0.02	0.77	0.381	
53	MC	210	2296	0.28	2.85	0.091	1.05	1.42	0.233	-0.01	0.79	0.374	
54	ER	64	1131	-0.13	0.23	0.633	0.46	0.14	0.707	-0.01	0.24	0.622	
55	ER	64	1131	-0.07	0.08	0.783	-1.15	0.94	0.331	0.02	0.86	0.353	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.186: Logistic Regression DIF Results on Stage III Writing Items for the FEP/ELL Comparison

Focal Group: ELL; Reference Group: FEP													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	10753	8766	0.07	1.28	0.258	-0.53	3.01	0.083	0.01	4.03	0.045	
39	MC	20904	17672	-0.16	42.93	0.000	-1.82	169.50	0.000	0.03	146.34	0.000	NonUniform
40	MC	10753	8766	-0.10	8.29	0.004	-1.95	101.15	0.000	0.03	94.85	0.000	NonUniform
41	MC	10753	8766	0.05	1.57	0.210	-1.99	72.34	0.000	0.03	78.35	0.000	NonUniform
42	MC	20904	17672	-0.07	8.17	0.004	-1.08	58.58	0.000	0.02	53.01	0.000	NonUniform
43	MC	10753	8766	-0.03	0.79	0.375	-1.47	46.26	0.000	0.02	45.74	0.000	NonUniform
44	MC	10753	8766	0.20	21.08	0.000	-0.46	3.18	0.075	0.01	6.84	0.009	NonUniform
45	MC	10753	8766	0.18	25.52	0.000	-1.67	69.37	0.000	0.03	88.32	0.000	NonUniform
46	MC	10753	8766	-0.07	4.38	0.036	-1.66	64.72	0.000	0.03	61.28	0.000	NonUniform
47	MC	20904	17672	0.29	130.88	0.000	-0.67	21.33	0.000	0.02	45.34	0.000	NonUniform
48	MC	10753	8766	0.16	16.01	0.000	-0.40	3.00	0.083	0.01	5.98	0.014	Uniform>
49	MC	10753	8766	0.09	6.31	0.012	-1.10	25.62	0.000	0.02	30.87	0.000	NonUniform
50	MC	10753	8766	0.16	7.72	0.005	-0.42	1.76	0.185	0.01	3.46	0.063	Uniform>
51	MC	10753	8766	-0.01	0.10	0.756	0.24	1.08	0.300	0.00	1.24	0.266	
52	MC	10753	8766	0.12	13.00	0.000	-1.57	58.76	0.000	0.03	70.73	0.000	NonUniform
53	MC	20904	17672	0.23	63.24	0.000	-0.89	27.20	0.000	0.02	44.59	0.000	NonUniform
54	ER	10753	8766	0.11	10.18	0.001	-0.06	0.12	0.724	0.00	0.97	0.326	Uniform>
55	ER	10753	8766	0.06	3.05	0.081	-0.06	0.12	0.727	0.00	0.47	0.494	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.187: Logistic Regression DIF Results on Stage III Writing Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
38	MC	1	19518	8.41	0.00	0.963	8.41	0.00	0.963	0.00			
39	MC	4	38572	10.37	0.02	0.898	13.19	0.00	0.981	-0.05	0.00	0.996	
40	MC	1	19518	-8.70	0.01	0.931	-8.70	0.01	0.931	0.00			
41	MC	1	19518	9.26	0.01	0.932	9.26	0.01	0.932	0.00			
42	MC	4	38572	0.14	0.02	0.895	-2.04	0.07	0.795	0.04	0.08	0.781	
43	MC	1	19518	9.41	0.01	0.927	9.41	0.01	0.927	0.00			
44	MC	1	19518	8.95	0.01	0.942	8.95	0.01	0.942	0.00			
45	MC	1	19518	9.08	0.01	0.933	9.08	0.01	0.933	0.00			
46	MC	1	19518	-8.58	0.01	0.931	-8.58	0.01	0.931	0.00			
47	MC	4	38572	-0.22	0.05	0.829	-94.96	0.01	0.927	1.76	0.01	0.927	
48	MC	1	19518	9.17	0.01	0.935	9.17	0.01	0.935	0.00			
49	MC	1	19518	9.57	0.01	0.925	9.57	0.01	0.925	0.00			
50	MC	1	19518	8.59	0.00	0.955	8.59	0.00	0.955	0.00			
51	MC	1	19518	8.90	0.01	0.942	8.90	0.01	0.942	0.00			
52	MC	1	19518	-8.61	0.01	0.931	-8.61	0.01	0.931	0.00			
53	MC	4	38572	0.48	0.16	0.688	-207.17	0.01	0.923	4.02	0.01	0.922	
54	ER	1	19518	1.17	0.26	0.613	1.17	0.26	0.613	0.00			
55	ER	1	19518	0.89	0.18	0.671	0.89	0.18	0.671	0.00			

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.188: Logistic Regression DIF Results on Stage III Listening Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	3686	5073	-0.02	0.13	0.714	-0.34	1.95	0.162	0.01	1.83	0.176	
2	MC	3686	5073	-0.18	14.08	0.000	-0.44	4.05	0.044	0.00	1.47	0.226	Uniform<
3	MC	3686	5073	-0.09	3.70	0.054	0.05	0.05	0.829	0.00	0.41	0.521	
4	MC	3686	5073	-0.03	0.14	0.709	0.05	0.04	0.839	0.00	0.10	0.755	
5	MC	3686	5073	-0.03	0.27	0.605	0.01	0.00	0.971	0.00	0.03	0.866	
6	MC	7480	10183	-0.18	27.54	0.000	-0.31	3.29	0.070	0.00	0.58	0.445	Uniform<
7	MC	3686	5073	-0.30	24.65	0.000	0.10	0.13	0.717	-0.01	2.24	0.134	Uniform<
8	MC	7480	10183	-0.09	7.84	0.005	-0.05	0.10	0.753	0.00	0.08	0.779	Uniform<
9	MC	3686	5073	-0.11	5.49	0.019	0.01	0.00	0.960	0.00	0.33	0.564	
10	MC	7480	10183	-0.19	31.17	0.000	0.00	0.00	0.982	0.00	1.27	0.260	Uniform<
11	MC	3686	5073	-0.24	27.26	0.000	0.06	0.07	0.789	-0.01	2.01	0.156	Uniform<
12	MC	3686	5073	-0.11	5.07	0.024	0.08	0.13	0.723	0.00	0.73	0.393	
13	MC	3686	5073	-0.06	1.68	0.195	-0.05	0.07	0.795	0.00	0.00	0.985	
14	MC	3686	5073	-0.04	0.74	0.388	0.38	3.50	0.061	-0.01	4.46	0.035	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.189: Logistic Regression DIF Results on Stage III Listening Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	7659	1107	-0.16	5.16	0.023	-0.05	0.02	0.879	0.00	0.12	0.726	
2	MC	7659	1107	-0.34	19.66	0.000	-0.29	0.97	0.326	0.00	0.03	0.872	Uniform<
3	MC	7659	1107	0.20	8.09	0.004	-0.02	0.01	0.936	0.00	0.58	0.446	Uniform>
4	MC	7659	1107	0.37	14.90	0.000	-0.41	1.50	0.220	0.02	6.06	0.014	Uniform>
5	MC	7659	1107	0.20	7.16	0.007	0.10	0.12	0.730	0.00	0.15	0.702	Uniform>
6	MC	15181	2491	-0.35	55.89	0.000	0.10	0.22	0.640	-0.01	4.63	0.031	Uniform<
7	MC	7659	1107	-0.03	0.09	0.764	-0.74	4.18	0.041	0.01	4.16	0.041	
8	MC	15181	2491	0.01	0.07	0.793	-0.40	4.07	0.044	0.01	4.57	0.033	
9	MC	7659	1107	-0.09	1.61	0.204	0.05	0.03	0.859	0.00	0.25	0.619	
10	MC	15181	2491	-0.11	5.27	0.022	-0.21	0.87	0.350	0.00	0.21	0.646	
11	MC	7659	1107	0.10	2.22	0.136	-0.37	1.73	0.189	0.01	2.96	0.085	
12	MC	7659	1107	-0.10	1.87	0.171	-0.45	2.24	0.134	0.01	1.44	0.230	
13	MC	7659	1107	0.00	0.00	0.984	0.20	0.46	0.497	0.00	0.48	0.487	
14	MC	7659	1107	-0.26	16.52	0.000	0.04	0.02	0.882	-0.01	1.35	0.245	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.190: Logistic Regression DIF Results on Stage III Listening Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	684	8082	0.06	0.46	0.497	-0.18	0.15	0.701	0.00	0.27	0.605	
2	MC	684	8082	0.05	0.28	0.594	0.28	0.40	0.528	0.00	0.29	0.593	
3	MC	684	8082	0.20	5.32	0.021	-0.60	1.67	0.196	0.01	3.08	0.079	
4	MC	684	8082	-0.03	0.07	0.794	1.26	5.41	0.020	-0.03	6.20	0.013	
5	MC	684	8082	-0.06	0.41	0.522	0.92	4.28	0.039	-0.02	5.18	0.023	
6	MC	1693	15979	-0.01	0.01	0.928	-0.64	4.14	0.042	0.01	4.25	0.039	
7	MC	684	8082	0.07	0.39	0.532	0.40	0.51	0.476	-0.01	0.36	0.549	
8	MC	1693	15979	-0.18	11.77	0.001	-0.17	0.38	0.540	0.00	0.00	0.971	Uniform<
9	MC	684	8082	-0.10	1.49	0.223	-0.53	1.51	0.220	0.01	1.03	0.311	
10	MC	1693	15979	-0.05	0.86	0.354	-0.33	1.12	0.289	0.01	0.83	0.362	
11	MC	684	8082	-0.05	0.31	0.577	0.68	2.71	0.100	-0.01	3.21	0.073	
12	MC	684	8082	0.09	1.05	0.306	0.38	0.75	0.387	-0.01	0.46	0.499	
13	MC	684	8082	-0.03	0.12	0.726	-0.85	3.61	0.057	0.01	3.49	0.062	
14	MC	684	8082	-0.03	0.10	0.751	-0.22	0.28	0.594	0.00	0.23	0.630	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.191: Logistic Regression DIF Results on Stage III Listening Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1377	7389	0.21	9.55	0.002	-0.07	0.06	0.814	0.01	0.84	0.359	Uniform>
2	MC	1377	7389	0.08	1.43	0.231	0.14	0.23	0.635	0.00	0.04	0.833	
3	MC	1377	7389	-0.08	1.54	0.214	0.02	0.01	0.942	0.00	0.12	0.724	
4	MC	1377	7389	-0.03	0.17	0.677	-0.83	5.15	0.023	0.02	4.94	0.026	
5	MC	1377	7389	-0.05	0.64	0.423	-0.51	3.15	0.076	0.01	2.65	0.103	
6	MC	2840	14832	-0.01	0.07	0.788	0.10	0.21	0.649	0.00	0.28	0.599	
7	MC	1377	7389	-0.12	2.62	0.105	-0.50	1.88	0.170	0.01	1.13	0.288	
8	MC	2840	14832	-0.06	1.60	0.206	-0.79	13.69	0.000	0.01	12.38	0.000	NonUniform
9	MC	1377	7389	0.03	0.32	0.572	0.03	0.01	0.921	0.00	0.00	0.977	
10	MC	2840	14832	-0.07	2.38	0.123	-0.08	0.12	0.733	0.00	0.00	0.972	
11	MC	1377	7389	0.22	12.65	0.000	0.05	0.03	0.858	0.00	0.39	0.534	Uniform>
12	MC	1377	7389	0.16	6.34	0.012	0.13	0.20	0.651	0.00	0.01	0.920	
13	MC	1377	7389	-0.13	4.74	0.029	-0.21	0.58	0.445	0.00	0.09	0.770	
14	MC	1377	7389	0.02	0.07	0.791	-0.31	1.28	0.258	0.01	1.50	0.221	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.192: Logistic Regression DIF Results on Stage III Listening Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	5837	2929	-0.19	13.65	0.000	0.32	1.78	0.182	-0.01	4.61	0.032	Uniform<
2	MC	5837	2929	-0.12	5.05	0.025	-0.27	1.52	0.218	0.00	0.53	0.468	
3	MC	5837	2929	0.03	0.30	0.582	-0.39	3.19	0.074	0.01	3.84	0.050	
4	MC	5837	2929	0.16	5.41	0.020	0.04	0.02	0.886	0.00	0.25	0.616	
5	MC	5837	2929	-0.02	0.14	0.709	0.48	4.97	0.026	-0.01	5.75	0.016	
6	MC	11625	6047	-0.32	82.22	0.000	-0.21	1.68	0.195	0.00	0.41	0.523	Uniform<
7	MC	5837	2929	0.04	0.33	0.565	-0.21	0.59	0.441	0.01	0.86	0.354	
8	MC	11625	6047	-0.06	3.33	0.068	-0.10	0.46	0.499	0.00	0.08	0.777	
9	MC	5837	2929	-0.03	0.51	0.474	0.11	0.29	0.593	0.00	0.51	0.475	
10	MC	11625	6047	-0.05	1.74	0.187	-0.05	0.09	0.758	0.00	0.00	0.964	
11	MC	5837	2929	-0.07	1.91	0.166	0.00	0.00	0.984	0.00	0.11	0.736	
12	MC	5837	2929	-0.07	1.92	0.165	-0.16	0.50	0.480	0.00	0.17	0.684	
13	MC	5837	2929	-0.05	0.96	0.328	-0.18	0.74	0.391	0.00	0.43	0.512	
14	MC	5837	2929	-0.05	1.41	0.234	0.12	0.36	0.549	0.00	0.80	0.372	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.193: Logistic Regression DIF Results on Stage III Listening Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	5837	1131	-0.24	11.24	0.001	-0.19	0.27	0.602	0.00	0.02	0.900	Uniform<
2	MC	5837	1131	-0.22	9.14	0.002	-0.53	2.23	0.135	0.01	0.78	0.379	Uniform<
3	MC	5837	1131	-0.01	0.04	0.841	-0.76	4.96	0.026	0.01	4.99	0.025	
4	MC	5837	1131	-0.05	0.21	0.645	-0.03	0.01	0.940	0.00	0.00	0.972	
5	MC	5837	1131	-0.07	0.71	0.399	0.93	6.36	0.012	-0.02	7.56	0.006	NonUniform
6	MC	11625	2296	-0.29	34.20	0.000	0.15	0.30	0.581	-0.01	2.80	0.094	Uniform<
7	MC	5837	1131	-0.01	0.01	0.934	0.09	0.04	0.847	0.00	0.05	0.830	
8	MC	11625	2296	-0.04	0.63	0.426	0.37	2.16	0.142	-0.01	2.72	0.099	
9	MC	5837	1131	0.03	0.16	0.693	0.23	0.45	0.503	0.00	0.36	0.546	
10	MC	11625	2296	-0.06	1.26	0.261	0.96	10.72	0.001	-0.02	12.37	0.000	NonUniform
11	MC	5837	1131	-0.14	4.36	0.037	-0.09	0.07	0.797	0.00	0.03	0.871	
12	MC	5837	1131	-0.18	6.04	0.014	-0.50	2.01	0.157	0.01	0.88	0.348	
13	MC	5837	1131	0.13	3.49	0.062	0.62	3.06	0.080	-0.01	2.02	0.156	
14	MC	5837	1131	-0.01	0.02	0.875	0.09	0.07	0.785	0.00	0.10	0.756	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.194: Logistic Regression DIF Results on Stage III Listening Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1798	1131	-0.09	1.13	0.287	-0.78	3.55	0.060	0.01	2.90	0.089	
2	MC	1798	1131	-0.18	4.32	0.038	-0.37	0.94	0.333	0.00	0.26	0.609	
3	MC	1798	1131	-0.07	0.73	0.394	-0.53	2.00	0.158	0.01	1.58	0.208	
4	MC	1798	1131	-0.35	8.11	0.004	-0.08	0.03	0.873	-0.01	0.33	0.568	Uniform<
5	MC	1798	1131	-0.06	0.46	0.497	0.60	2.26	0.133	-0.01	2.91	0.088	
6	MC	3751	2296	0.04	0.53	0.465	0.50	3.09	0.079	-0.01	2.71	0.100	
7	MC	1798	1131	-0.08	0.60	0.438	0.42	0.72	0.397	-0.01	1.08	0.299	
8	MC	3751	2296	0.04	0.42	0.518	0.65	5.71	0.017	-0.01	5.32	0.021	
9	MC	1798	1131	0.10	1.65	0.199	0.17	0.21	0.644	0.00	0.04	0.850	
10	MC	3751	2296	-0.02	0.10	0.753	1.38	19.38	0.000	-0.03	20.60	0.000	NonUniform
11	MC	1798	1131	-0.13	2.47	0.116	-0.15	0.16	0.691	0.00	0.00	0.950	
12	MC	1798	1131	-0.18	4.40	0.036	-0.51	1.68	0.194	0.01	0.75	0.387	
13	MC	1798	1131	0.28	12.59	0.000	1.12	8.67	0.003	-0.02	5.09	0.024	Uniform>
14	MC	1798	1131	0.07	0.92	0.339	-0.03	0.01	0.930	0.00	0.09	0.762	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.195: Logistic Regression DIF Results on Stage III Listening Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	64	1131	0.25	0.84	0.359	-0.13	0.01	0.927	0.01	0.08	0.783	
2	MC	64	1131	0.08	0.07	0.796	0.32	0.05	0.817	0.00	0.03	0.858	
3	MC	64	1131	0.14	0.25	0.618	0.89	0.47	0.492	-0.01	0.35	0.552	
4	MC	64	1131	-0.44	1.33	0.249	3.30	4.06	0.044	-0.07	6.06	0.014	
5	MC	64	1131	-0.52	3.22	0.073	1.66	1.62	0.204	-0.04	3.00	0.083	
6	MC	210	2296	0.04	0.06	0.807	0.03	0.00	0.970	0.00	0.00	0.995	
7	MC	64	1131	0.11	0.08	0.771	0.31	0.03	0.861	0.00	0.01	0.909	
8	MC	210	2296	-0.25	2.81	0.094	0.08	0.01	0.922	-0.01	0.17	0.678	
9	MC	64	1131	0.28	1.03	0.311	0.89	0.46	0.496	-0.01	0.23	0.634	
10	MC	210	2296	-0.36	5.10	0.024	0.95	1.14	0.285	-0.02	2.22	0.136	
11	MC	64	1131	0.09	0.10	0.747	2.30	3.30	0.069	-0.04	3.25	0.071	
12	MC	64	1131	0.34	1.29	0.256	2.09	2.39	0.122	-0.03	1.81	0.179	
13	MC	64	1131	0.40	2.04	0.153	1.50	1.34	0.248	-0.02	0.76	0.383	
14	MC	64	1131	-0.25	0.87	0.351	-1.42	0.98	0.321	0.02	0.70	0.402	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.196: Logistic Regression DIF Results on Stage III Listening Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	10753	8766	0.26	53.56	0.000	0.16	0.63	0.427	0.00	0.27	0.605	Uniform>
2	MC	10753	8766	0.09	5.11	0.024	0.37	3.23	0.072	0.00	1.95	0.163	
3	MC	10753	8766	0.31	64.05	0.000	-1.08	25.15	0.000	0.02	42.93	0.000	NonUniform
4	MC	10753	8766	-0.19	9.68	0.002	0.55	3.48	0.062	-0.01	6.72	0.010	NonUniform
5	MC	10753	8766	-0.20	23.48	0.000	-0.65	9.60	0.002	0.01	4.71	0.030	Uniform<
6	MC	20904	17672	0.06	5.09	0.024	-1.52	109.12	0.000	0.02	121.79	0.000	NonUniform
7	MC	10753	8766	0.10	2.71	0.100	-1.71	28.73	0.000	0.03	33.02	0.000	NonUniform
8	MC	20904	17672	0.03	1.78	0.183	0.44	10.21	0.001	-0.01	9.00	0.003	NonUniform
9	MC	10753	8766	0.15	17.76	0.000	-0.12	0.37	0.543	0.00	2.00	0.158	Uniform>
10	MC	20904	17672	0.04	2.96	0.085	-0.97	40.56	0.000	0.02	45.83	0.000	NonUniform
11	MC	10753	8766	-0.13	13.61	0.000	-1.17	36.35	0.000	0.02	29.76	0.000	NonUniform
12	MC	10753	8766	-0.11	9.00	0.003	-0.74	12.93	0.000	0.01	9.60	0.002	NonUniform
13	MC	10753	8766	0.04	1.44	0.231	-2.27	125.38	0.000	0.04	134.95	0.000	NonUniform
14	MC	10753	8766	-0.12	13.03	0.000	-1.33	51.93	0.000	0.02	44.56	0.000	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.197: Logistic Regression DIF Results on Stage III Listening Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1	19518	-8.42	0.01	0.936	-8.42	0.01	0.936	0.00			
2	MC	1	19518	-10.62	0.01	0.941	-10.62	0.01	0.941	0.00			
3	MC	1	19518	8.99	0.01	0.937	8.99	0.01	0.937	0.00			
4	MC	1	19518	8.42	0.00	0.963	8.42	0.00	0.963	0.00			
5	MC	1	19518	8.64	0.00	0.946	8.64	0.00	0.946	0.00			
6	MC	4	38572	-0.29	0.06	0.803	6.09	0.42	0.519	-0.11	0.43	0.512	
7	MC	1	19518	8.52	0.00	0.957	8.52	0.00	0.957	0.00			
8	MC	4	38572	-0.31	0.09	0.764	-96.00	0.01	0.926	1.77	0.01	0.926	
9	MC	1	19518	9.01	0.01	0.934	9.01	0.01	0.934	0.00			
10	MC	4	38572	-0.23	0.05	0.827	-94.42	0.01	0.928	1.75	0.01	0.928	
11	MC	1	19518	9.16	0.01	0.930	9.16	0.01	0.930	0.00			
12	MC	1	19518	9.02	0.01	0.935	9.02	0.01	0.935	0.00			
13	MC	1	19518	-9.51	0.01	0.930	-9.51	0.01	0.930	0.00			
14	MC	1	19518	-8.78	0.01	0.931	-8.78	0.01	0.931	0.00			

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.198: Logistic Regression DIF Results on Stage III Speaking Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	3686	5073	-0.11	4.84	0.028	-0.35	3.21	0.073	0.00	1.58	0.209	
60	SA4	3686	5073	0.06	1.53	0.217	-0.31	2.68	0.102	0.01	3.97	0.046	
61	SA4	3686	5073	-0.33	49.49	0.000	-0.22	1.17	0.279	0.00	0.31	0.579	Uniform<
62	SA4	7480	10183	-0.05	1.58	0.209	-0.34	4.90	0.027	0.01	3.89	0.049	
63	SA4	7480	10183	-0.13	13.17	0.000	-0.24	2.57	0.109	0.00	0.58	0.445	Uniform<
64	SA4	3686	5073	-0.09	4.03	0.045	-0.81	17.31	0.000	0.01	14.40	0.000	NonUniform
65	SA4	3686	5073	-0.01	0.02	0.882	-0.54	7.67	0.006	0.01	7.89	0.005	NonUniform
66	SA4	3686	5073	-0.31	34.93	0.000	-0.21	1.24	0.266	0.00	0.25	0.614	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.199: Logistic Regression DIF Results on Stage III Speaking Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	7659	1107	0.38	26.28	0.000	0.59	5.22	0.022	0.00	0.73	0.393	Uniform>
60	SA4	7659	1107	0.17	6.06	0.014	0.21	0.70	0.402	0.00	0.03	0.853	
61	SA4	7659	1107	0.33	23.17	0.000	0.77	7.82	0.005	-0.01	2.70	0.100	Uniform>
62	SA4	15181	2491	0.44	73.33	0.000	-0.15	0.62	0.431	0.01	10.31	0.001	NonUniform
63	SA4	15181	2491	0.25	25.10	0.000	0.31	2.61	0.106	0.00	0.12	0.732	Uniform>
64	SA4	7659	1107	0.40	37.45	0.000	0.20	0.59	0.443	0.00	0.64	0.423	Uniform>
65	SA4	7659	1107	0.56	75.12	0.000	-0.16	0.38	0.538	0.01	8.37	0.004	NonUniform
66	SA4	7659	1107	0.08	1.06	0.303	-0.23	0.80	0.371	0.01	1.56	0.212	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.200: Logistic Regression DIF Results on Stage III Speaking Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	684	8082	0.14	2.10	0.147	0.59	1.96	0.162	-0.01	1.19	0.276	
60	SA4	684	8082	-0.17	4.06	0.044	0.12	0.09	0.766	-0.01	0.54	0.463	
61	SA4	684	8082	-0.09	1.14	0.285	0.19	0.20	0.659	-0.01	0.44	0.505	
62	SA4	1693	15979	-0.29	22.99	0.000	0.38	1.74	0.187	-0.01	5.70	0.017	Uniform<
63	SA4	1693	15979	0.10	2.98	0.084	0.72	6.47	0.011	-0.01	4.96	0.026	
64	SA4	684	8082	-0.12	2.25	0.134	0.84	4.58	0.032	-0.02	6.28	0.012	
65	SA4	684	8082	-0.38	22.89	0.000	0.94	5.98	0.014	-0.02	12.32	0.000	NonUniform
66	SA4	684	8082	0.07	0.56	0.454	0.53	1.64	0.200	-0.01	1.27	0.259	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.201: Logistic Regression DIF Results on Stage III Speaking Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	1377	7389	0.39	31.44	0.000	1.07	15.83	0.000	-0.01	6.91	0.009	NonUniform
60	SA4	1377	7389	0.20	10.34	0.001	0.99	14.78	0.000	-0.02	10.04	0.002	NonUniform
61	SA4	1377	7389	0.34	30.24	0.000	1.42	27.66	0.000	-0.02	16.90	0.000	NonUniform
62	SA4	2840	14832	0.24	25.72	0.000	0.21	1.03	0.309	0.00	0.02	0.876	Uniform>
63	SA4	2840	14832	0.48	103.44	0.000	1.01	25.35	0.000	-0.01	7.40	0.007	NonUniform
64	SA4	1377	7389	0.26	19.38	0.000	0.79	9.54	0.002	-0.01	4.49	0.034	Uniform>
65	SA4	1377	7389	0.21	12.34	0.000	0.83	10.55	0.001	-0.01	6.28	0.012	Uniform>
66	SA4	1377	7389	0.07	1.06	0.302	0.89	11.50	0.001	-0.02	10.45	0.001	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.202: Logistic Regression DIF Results on Stage III Speaking Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	5837	2929	0.24	20.59	0.000	0.60	9.47	0.002	-0.01	3.69	0.055	Uniform>
60	SA4	5837	2929	0.00	0.00	0.965	0.42	4.75	0.029	-0.01	5.00	0.025	
61	SA4	5837	2929	-0.03	0.30	0.584	0.48	5.51	0.019	-0.01	6.51	0.011	
62	SA4	11625	6047	0.21	29.80	0.000	-0.17	1.26	0.261	0.01	6.74	0.009	NonUniform
63	SA4	11625	6047	0.04	1.35	0.246	-0.12	0.59	0.442	0.00	1.19	0.276	
64	SA4	5837	2929	0.16	12.44	0.000	0.12	0.36	0.551	0.00	0.07	0.798	Uniform>
65	SA4	5837	2929	0.31	44.19	0.000	-0.15	0.61	0.435	0.01	5.87	0.015	Uniform>
66	SA4	5837	2929	-0.06	1.24	0.265	0.06	0.10	0.755	0.00	0.42	0.517	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.203: Logistic Regression DIF Results on Stage III Speaking Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	5837	1131	0.05	0.47	0.491	-0.65	3.81	0.051	0.01	4.66	0.031	
60	SA4	5837	1131	-0.08	1.36	0.243	0.02	0.00	0.945	0.00	0.11	0.741	
61	SA4	5837	1131	-0.27	14.15	0.000	-0.22	0.42	0.515	0.00	0.02	0.898	Uniform<
62	SA4	11625	2296	0.13	5.32	0.021	-0.70	7.53	0.006	0.02	11.11	0.001	NonUniform
63	SA4	11625	2296	-0.29	26.78	0.000	-1.39	30.33	0.000	0.02	20.12	0.000	NonUniform
64	SA4	5837	1131	0.04	0.32	0.571	-0.95	9.05	0.003	0.02	10.23	0.001	NonUniform
65	SA4	5837	1131	0.25	14.93	0.000	-0.96	9.54	0.002	0.02	15.88	0.000	NonUniform
66	SA4	5837	1131	-0.39	24.19	0.000	-1.07	10.30	0.001	0.01	4.45	0.035	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.204: Logistic Regression DIF Results on Stage III Speaking Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	1798	1131	-0.27	9.30	0.002	-1.61	20.45	0.000	0.02	15.07	0.000	NonUniform
60	SA4	1798	1131	-0.11	2.01	0.156	-0.48	1.97	0.161	0.01	1.20	0.273	
61	SA4	1798	1131	-0.36	18.61	0.000	-0.87	5.65	0.017	0.01	2.06	0.151	Uniform<
62	SA4	3751	2296	-0.15	5.58	0.018	-0.67	6.16	0.013	0.01	3.92	0.048	
63	SA4	3751	2296	-0.52	64.29	0.000	-1.61	34.86	0.000	0.02	17.14	0.000	NonUniform
64	SA4	1798	1131	-0.19	6.19	0.013	-1.38	16.38	0.000	0.02	12.76	0.000	NonUniform
65	SA4	1798	1131	-0.09	1.52	0.217	-1.10	10.60	0.001	0.02	9.34	0.002	NonUniform
66	SA4	1798	1131	-0.49	29.47	0.000	-1.48	17.12	0.000	0.02	8.25	0.004	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.205: Logistic Regression DIF Results on Stage III Speaking Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	64	1131	0.27	0.77	0.380	-0.41	0.10	0.748	0.01	0.30	0.584	
60	SA4	64	1131	-0.37	1.87	0.171	-2.79	5.27	0.022	0.04	4.21	0.040	
61	SA4	64	1131	-0.35	1.64	0.201	-0.43	0.11	0.745	0.00	0.00	0.952	
62	SA4	210	2296	-0.40	6.13	0.013	-0.77	0.96	0.326	0.01	0.23	0.633	
63	SA4	210	2296	0.11	0.40	0.529	-0.52	0.40	0.526	0.01	0.61	0.434	
64	SA4	64	1131	0.02	0.01	0.937	-1.14	0.81	0.369	0.02	0.85	0.355	
65	SA4	64	1131	-0.23	0.83	0.363	-1.68	1.81	0.178	0.03	1.39	0.238	
66	SA4	64	1131	-0.58	3.57	0.059	-1.65	1.81	0.179	0.02	0.79	0.374	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.206: Logistic Regression DIF Results on Stage III Speaking Items for the FEP/ ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	10753	8766	-0.29	47.36	0.000	1.41	48.58	0.000	-0.03	73.51	0.000	NonUniform
60	SA4	10753	8766	-0.04	0.99	0.320	0.96	26.48	0.000	-0.02	29.64	0.000	NonUniform
61	SA4	10753	8766	0.01	0.05	0.821	1.09	28.66	0.000	-0.02	29.05	0.000	NonUniform
62	SA4	20904	17672	-0.28	69.03	0.000	0.42	6.69	0.010	-0.01	19.01	0.000	NonUniform
63	SA4	20904	17672	-0.24	63.94	0.000	1.06	48.06	0.000	-0.02	75.49	0.000	NonUniform
64	SA4	10753	8766	-0.29	68.19	0.000	1.20	43.18	0.000	-0.02	68.83	0.000	NonUniform
65	SA4	10753	8766	-0.22	38.79	0.000	0.49	6.93	0.008	-0.01	14.88	0.000	NonUniform
66	SA4	10753	8766	0.03	0.42	0.515	0.80	15.34	0.000	-0.01	14.85	0.000	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.207: Logistic Regression DIF Results on Stage III Speaking Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
59	SA4	1	19518	-13.96	0.01	0.920	-13.96	0.01	0.920	0.00			
60	SA4	1	19518	-12.99	0.02	0.902	-12.99	0.02	0.902	0.00			
61	SA4	1	19518	-1.58	0.61	0.434	-1.58	0.61	0.434	0.00			
62	SA4	4	38572	-1.63	2.85	0.091	-1.96	0.07	0.785	0.01	0.00	0.964	
63	SA4	4	38572	-0.80	0.63	0.428	7.02	1.19	0.276	-0.14	1.55	0.213	
64	SA4	1	19518	-12.11	0.01	0.918	-12.11	0.01	0.918	0.00			
65	SA4	1	19518	-12.15	0.01	0.909	-12.15	0.01	0.909	0.00			
66	SA4	1	19518	0.21	0.01	0.940	0.21	0.01	0.940	0.00			

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.208: Logistic Regression DIF Results on Stage IV Reading Items for the Male/Female Comparison

Focal Group: Male; Reference Group: Female													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1202	1861	0.30	7.45	0.006	0.64	2.70	0.100	-0.01	0.84	0.361	Uniform>
16	MC	2540	3664	0.12	4.65	0.031	0.46	4.13	0.042	-0.01	2.43	0.119	
17	MC	1202	1861	0.27	6.60	0.010	1.01	5.88	0.015	-0.02	3.39	0.066	
18	MC	1202	1861	0.05	0.20	0.657	-0.14	0.09	0.761	0.00	0.19	0.665	
19	MC	2540	3664	0.33	12.74	0.000	0.49	2.18	0.140	0.00	0.26	0.612	Uniform>
20	MC	1202	1861	0.14	3.11	0.078	0.02	0.00	0.966	0.00	0.10	0.749	
21	MC	1202	1861	0.13	2.89	0.089	0.11	0.09	0.760	0.00	0.00	0.945	
22	MC	1202	1861	0.03	0.15	0.701	0.35	1.17	0.279	-0.01	1.04	0.307	
23	MC	1202	1861	0.11	1.82	0.177	0.14	0.14	0.709	0.00	0.01	0.932	
24	MC	1202	1861	0.19	6.07	0.014	0.20	0.35	0.554	0.00	0.00	0.976	
25	MC	1202	1861	0.12	2.24	0.135	0.33	0.79	0.373	0.00	0.34	0.561	
26	MC	1202	1861	-0.49	25.47	0.000	-0.81	2.72	0.099	0.01	0.44	0.506	Uniform<
27	MC	1202	1861	-0.10	1.23	0.268	0.01	0.00	0.981	0.00	0.08	0.776	
28	MC	1202	1861	0.27	11.04	0.001	-0.52	1.76	0.185	0.01	4.22	0.040	Uniform>
29	MC	1202	1861	0.20	5.78	0.016	0.35	0.96	0.328	0.00	0.19	0.666	
30	MC	1202	1861	0.24	7.45	0.006	0.89	6.35	0.012	-0.01	3.59	0.058	Uniform>
31	MC	1202	1861	0.03	0.12	0.728	-0.76	4.20	0.040	0.01	4.74	0.029	
32	MC	1202	1861	0.07	0.83	0.364	0.07	0.04	0.842	0.00	0.00	0.997	
33	MC	1202	1861	-0.06	0.60	0.440	-1.16	9.56	0.002	0.02	9.05	0.003	NonUniform
34	MC	1202	1861	0.14	3.00	0.083	-0.01	0.00	0.985	0.00	0.15	0.694	
35	MC	1202	1861	0.08	1.08	0.298	-0.04	0.01	0.909	0.00	0.13	0.719	
36	MC	1202	1861	-0.41	23.26	0.000	-0.66	2.58	0.109	0.00	0.39	0.533	Uniform<
37	MC	2540	3664	-0.36	40.17	0.000	-0.29	1.13	0.288	0.00	0.07	0.790	Uniform<
38	MC	2540	3664	0.19	8.25	0.004	0.15	0.37	0.543	0.00	0.02	0.899	Uniform>
39	MC	2540	3664	0.14	6.30	0.012	0.16	0.45	0.501	0.00	0.01	0.932	
40	MC	2540	3664	0.07	1.48	0.224	-0.04	0.03	0.862	0.00	0.22	0.641	
61	SA1	1202	1861	-0.05	0.49	0.485	-0.42	1.59	0.207	0.01	1.28	0.258	
62	SA1	1202	1861	-0.24	6.23	0.013	0.25	0.44	0.508	-0.01	1.76	0.185	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.209: Logistic Regression DIF Results on Stage IV Reading Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2416	651	0.35	8.64	0.003	1.55	11.63	0.001	-0.03	7.44	0.006	NonUniform
16	MC	4855	1354	-0.10	2.57	0.109	0.70	6.71	0.010	-0.02	9.37	0.002	NonUniform
17	MC	2416	651	0.04	0.10	0.756	0.34	0.47	0.492	-0.01	0.40	0.528	
18	MC	2416	651	-0.12	0.83	0.362	-1.02	4.41	0.036	0.02	3.73	0.054	
19	MC	4855	1354	-0.36	11.06	0.001	-0.54	2.03	0.154	0.00	0.25	0.616	Uniform<
20	MC	2416	651	-0.29	9.07	0.003	-0.91	4.18	0.041	0.01	2.00	0.157	Uniform<
21	MC	2416	651	0.07	0.59	0.443	-0.14	0.11	0.737	0.00	0.28	0.598	
22	MC	2416	651	-0.10	1.23	0.267	-0.15	0.17	0.682	0.00	0.02	0.894	
23	MC	2416	651	-0.22	5.22	0.022	-0.42	1.04	0.309	0.00	0.26	0.611	
24	MC	2416	651	-0.27	8.53	0.003	0.46	1.30	0.254	-0.01	3.47	0.063	Uniform<
25	MC	2416	651	-0.02	0.06	0.808	-0.06	0.02	0.895	0.00	0.01	0.937	
26	MC	2416	651	-0.28	6.82	0.009	0.57	1.15	0.283	-0.02	2.72	0.099	Uniform<
27	MC	2416	651	-0.04	0.17	0.677	-0.65	2.49	0.115	0.01	2.29	0.130	
28	MC	2416	651	-0.20	4.30	0.038	-0.06	0.02	0.883	0.00	0.10	0.756	
29	MC	2416	651	0.13	1.72	0.190	-0.18	0.19	0.667	0.01	0.60	0.438	
30	MC	2416	651	0.15	1.94	0.164	0.62	2.12	0.145	-0.01	1.31	0.253	
31	MC	2416	651	-0.11	1.37	0.241	0.02	0.00	0.969	0.00	0.10	0.756	
32	MC	2416	651	-0.07	0.58	0.446	0.14	0.12	0.727	0.00	0.29	0.588	
33	MC	2416	651	0.12	1.50	0.220	-0.21	0.26	0.609	0.01	0.69	0.408	
34	MC	2416	651	-0.21	4.74	0.029	0.18	0.16	0.685	-0.01	0.81	0.367	
35	MC	2416	651	0.19	4.04	0.044	0.26	0.41	0.524	0.00	0.03	0.867	
36	MC	2416	651	-0.11	1.21	0.272	-0.66	2.34	0.126	0.01	1.71	0.190	
37	MC	4855	1354	-0.15	4.77	0.029	-0.13	0.18	0.670	0.00	0.00	0.955	
38	MC	4855	1354	-0.20	6.96	0.008	-0.18	0.41	0.520	0.00	0.00	0.954	Uniform<
39	MC	4855	1354	-0.06	0.93	0.336	0.34	1.53	0.216	-0.01	2.30	0.129	
40	MC	4855	1354	-0.17	6.11	0.013	-0.51	3.44	0.064	0.01	1.64	0.200	
61	SA1	2416	651	-0.07	0.59	0.442	0.26	0.48	0.489	-0.01	0.82	0.366	
62	SA1	2416	651	0.24	4.68	0.030	1.07	5.33	0.021	-0.02	3.42	0.064	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.210: Logistic Regression DIF Results on Stage IV Reading Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	321	2746	-0.22	1.94	0.164	0.09	0.02	0.886	-0.01	0.26	0.612	
16	MC	609	5600	-0.02	0.04	0.849	-0.95	4.84	0.028	0.02	4.89	0.027	
17	MC	321	2746	0.07	0.18	0.674	-1.02	1.71	0.191	0.02	2.01	0.156	
18	MC	321	2746	0.29	2.48	0.115	0.77	1.09	0.297	-0.01	0.45	0.500	
19	MC	609	5600	0.28	3.32	0.069	0.98	3.21	0.073	-0.02	1.79	0.180	
20	MC	321	2746	-0.07	0.32	0.571	-0.16	0.05	0.820	0.00	0.02	0.902	
21	MC	321	2746	-0.24	3.57	0.059	0.66	1.34	0.247	-0.02	2.58	0.109	
22	MC	321	2746	0.16	1.73	0.189	0.52	0.96	0.327	-0.01	0.49	0.486	
23	MC	321	2746	0.00	0.00	0.993	0.01	0.00	0.990	0.00	0.00	0.992	
24	MC	321	2746	-0.06	0.27	0.604	1.08	4.06	0.044	-0.02	4.78	0.029	
25	MC	321	2746	-0.07	0.26	0.611	0.51	0.71	0.400	-0.01	0.94	0.332	
26	MC	321	2746	0.19	1.73	0.188	-0.53	0.48	0.490	0.01	0.92	0.337	
27	MC	321	2746	-0.15	1.09	0.297	0.01	0.00	0.990	0.00	0.06	0.803	
28	MC	321	2746	-0.24	3.34	0.067	-0.51	0.57	0.449	0.01	0.17	0.678	
29	MC	321	2746	-0.37	6.73	0.009	-1.00	2.15	0.142	0.01	0.90	0.342	Uniform<
30	MC	321	2746	-0.02	0.02	0.884	0.09	0.02	0.882	0.00	0.04	0.850	
31	MC	321	2746	0.16	1.60	0.205	-0.01	0.00	0.993	0.00	0.08	0.784	
32	MC	321	2746	-0.02	0.03	0.861	-0.79	1.61	0.205	0.01	1.59	0.207	
33	MC	321	2746	-0.09	0.47	0.492	1.11	3.75	0.053	-0.02	4.53	0.033	
34	MC	321	2746	0.17	1.77	0.183	0.04	0.00	0.951	0.00	0.04	0.833	
35	MC	321	2746	-0.18	1.94	0.163	-1.54	5.25	0.022	0.03	4.32	0.038	
36	MC	321	2746	-0.08	0.38	0.537	0.06	0.01	0.926	0.00	0.05	0.823	
37	MC	609	5600	0.23	6.46	0.011	0.50	1.27	0.259	-0.01	0.38	0.538	
38	MC	609	5600	0.19	3.51	0.061	0.74	3.03	0.082	-0.01	1.73	0.188	
39	MC	609	5600	-0.09	0.89	0.344	-0.57	1.76	0.185	0.01	1.34	0.248	
40	MC	609	5600	-0.15	2.52	0.113	0.88	4.35	0.037	-0.02	6.21	0.013	
61	SA1	321	2746	0.03	0.06	0.805	-0.89	2.25	0.134	0.02	2.52	0.113	
62	SA1	321	2746	-0.01	0.00	0.971	0.08	0.02	0.896	0.00	0.02	0.887	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.211: Logistic Regression DIF Results on Stage IV Reading Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	603	2464	-0.28	5.55	0.019	-1.71	8.73	0.003	0.03	6.29	0.012	
16	MC	1201	5008	-0.31	21.42	0.000	-0.84	6.19	0.013	0.01	2.58	0.108	Uniform<
17	MC	603	2464	-0.30	7.23	0.007	-0.71	1.45	0.229	0.01	0.48	0.486	Uniform<
18	MC	603	2464	-0.22	3.03	0.082	0.16	0.07	0.785	-0.01	0.43	0.512	
19	MC	1201	5008	-0.14	1.93	0.165	0.64	2.20	0.138	-0.02	3.47	0.063	
20	MC	603	2464	-0.21	4.48	0.034	-0.88	2.16	0.142	0.01	1.28	0.258	
21	MC	603	2464	-0.43	19.28	0.000	0.09	0.03	0.856	-0.01	1.06	0.304	Uniform<
22	MC	603	2464	-0.09	0.97	0.324	0.10	0.05	0.829	0.00	0.18	0.673	
23	MC	603	2464	-0.18	3.22	0.073	0.25	0.23	0.631	-0.01	0.69	0.406	
24	MC	603	2464	-0.23	5.93	0.015	-0.10	0.04	0.847	0.00	0.08	0.781	
25	MC	603	2464	-0.14	1.88	0.171	0.36	0.45	0.504	-0.01	0.89	0.346	
26	MC	603	2464	-0.03	0.07	0.787	0.72	1.21	0.272	-0.01	1.35	0.245	
27	MC	603	2464	-0.14	1.65	0.199	0.34	0.38	0.539	-0.01	0.78	0.377	
28	MC	603	2464	-0.42	17.22	0.000	-0.66	1.28	0.259	0.00	0.17	0.682	Uniform<
29	MC	603	2464	-0.14	1.76	0.184	-0.01	0.00	0.985	0.00	0.06	0.806	
30	MC	603	2464	-0.20	3.16	0.075	-0.11	0.04	0.840	0.00	0.03	0.868	
31	MC	603	2464	-0.25	6.53	0.011	0.22	0.17	0.679	-0.01	0.83	0.363	
32	MC	603	2464	-0.53	26.97	0.000	0.29	0.31	0.576	-0.02	2.53	0.112	Uniform<
33	MC	603	2464	0.08	0.60	0.440	0.36	0.49	0.484	-0.01	0.31	0.576	
34	MC	603	2464	-0.02	0.06	0.810	0.81	2.39	0.122	-0.02	2.61	0.106	
35	MC	603	2464	-0.11	1.29	0.256	-0.71	1.77	0.183	0.01	1.31	0.253	
36	MC	603	2464	-0.14	1.71	0.191	1.06	3.72	0.054	-0.02	4.88	0.027	
37	MC	1201	5008	0.16	5.37	0.021	0.63	3.08	0.079	-0.01	1.76	0.184	
38	MC	1201	5008	0.10	1.65	0.199	-0.41	1.20	0.274	0.01	1.98	0.159	
39	MC	1201	5008	-0.13	3.66	0.056	0.20	0.35	0.554	-0.01	1.02	0.313	
40	MC	1201	5008	-0.08	1.23	0.267	0.41	1.33	0.249	-0.01	1.98	0.159	
61	SA1	603	2464	-0.22	5.36	0.021	-1.03	4.09	0.043	0.02	2.64	0.104	
62	SA1	603	2464	-0.65	37.76	0.000	-2.20	14.10	0.000	0.03	7.27	0.007	NonUniform

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.212: Logistic Regression DIF Results on Stage IV Reading Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1826	1241	0.26	6.15	0.013	0.32	0.73	0.391	0.00	0.03	0.864	
16	MC	3639	2570	-0.01	0.08	0.783	0.28	1.59	0.207	-0.01	1.87	0.171	
17	MC	1826	1241	0.09	0.81	0.367	0.28	0.46	0.498	0.00	0.22	0.639	
18	MC	1826	1241	-0.11	0.91	0.341	-0.40	0.87	0.350	0.01	0.50	0.477	
19	MC	3639	2570	-0.11	1.46	0.227	-0.60	3.45	0.063	0.01	2.52	0.112	
20	MC	1826	1241	-0.21	6.43	0.011	-0.90	5.30	0.021	0.01	3.30	0.069	
21	MC	1826	1241	-0.04	0.24	0.622	-0.12	0.12	0.734	0.00	0.06	0.814	
22	MC	1826	1241	-0.23	8.75	0.003	0.00	0.00	0.993	0.00	0.54	0.461	Uniform<
23	MC	1826	1241	-0.09	1.38	0.240	-0.23	0.40	0.525	0.00	0.15	0.699	
24	MC	1826	1241	-0.18	5.33	0.021	0.29	0.75	0.386	-0.01	2.07	0.150	
25	MC	1826	1241	-0.04	0.20	0.657	0.84	5.18	0.023	-0.02	5.92	0.015	
26	MC	1826	1241	-0.40	19.48	0.000	0.47	1.10	0.295	-0.02	4.00	0.046	Uniform<
27	MC	1826	1241	-0.03	0.10	0.755	0.30	0.70	0.404	-0.01	0.87	0.350	
28	MC	1826	1241	-0.14	3.18	0.074	-0.44	1.38	0.239	0.01	0.66	0.415	
29	MC	1826	1241	0.02	0.08	0.781	0.79	5.02	0.025	-0.01	5.02	0.025	
30	MC	1826	1241	-0.01	0.03	0.869	-0.17	0.25	0.619	0.00	0.22	0.638	
31	MC	1826	1241	-0.02	0.08	0.775	0.38	1.16	0.282	-0.01	1.36	0.243	
32	MC	1826	1241	-0.16	4.01	0.045	0.41	1.46	0.227	-0.01	2.91	0.088	
33	MC	1826	1241	0.07	0.79	0.373	0.49	1.93	0.164	-0.01	1.49	0.222	
34	MC	1826	1241	-0.20	6.04	0.014	0.12	0.11	0.744	-0.01	0.77	0.381	
35	MC	1826	1241	0.05	0.34	0.561	-0.15	0.20	0.654	0.00	0.36	0.549	
36	MC	1826	1241	-0.14	3.03	0.082	-0.02	0.00	0.963	0.00	0.11	0.736	
37	MC	3639	2570	-0.21	13.67	0.000	0.12	0.23	0.635	-0.01	1.68	0.195	Uniform<
38	MC	3639	2570	-0.22	12.12	0.000	-0.24	0.91	0.341	0.00	0.00	0.950	Uniform<
39	MC	3639	2570	-0.14	6.42	0.011	0.52	5.11	0.024	-0.01	8.69	0.003	NonUniform
40	MC	3639	2570	-0.11	3.54	0.060	0.26	1.13	0.288	-0.01	2.39	0.122	
61	SA1	1826	1241	-0.02	0.06	0.801	0.39	1.45	0.228	-0.01	1.70	0.193	
62	SA1	1826	1241	0.17	3.38	0.066	0.93	5.93	0.015	-0.02	4.18	0.041	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.213: Logistic Regression DIF Results on Stage IV Reading Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1826	338	0.37	5.36	0.021	0.74	0.99	0.321	-0.01	0.26	0.612	
16	MC	3639	678	0.13	2.11	0.147	0.84	3.73	0.053	-0.01	2.82	0.093	
17	MC	1826	338	0.25	2.55	0.110	1.94	4.59	0.032	-0.04	3.58	0.058	
18	MC	1826	338	-0.08	0.20	0.658	0.40	0.19	0.662	-0.01	0.29	0.592	
19	MC	3639	678	0.03	0.04	0.850	-0.46	0.56	0.456	0.01	0.66	0.416	
20	MC	1826	338	-0.14	1.19	0.275	-1.35	4.09	0.043	0.02	3.41	0.065	
21	MC	1826	338	0.19	2.24	0.135	0.74	1.17	0.280	-0.01	0.68	0.411	
22	MC	1826	338	-0.17	1.89	0.169	-0.10	0.03	0.872	0.00	0.02	0.902	
23	MC	1826	338	0.06	0.23	0.634	0.23	0.12	0.732	0.00	0.07	0.796	
24	MC	1826	338	0.01	0.00	0.962	0.38	0.37	0.544	-0.01	0.37	0.543	
25	MC	1826	338	0.10	0.61	0.434	0.70	1.07	0.301	-0.01	0.82	0.365	
26	MC	1826	338	-0.50	12.59	0.000	0.36	0.23	0.632	-0.02	1.35	0.246	Uniform<
27	MC	1826	338	0.20	1.88	0.170	0.58	0.69	0.408	-0.01	0.32	0.573	
28	MC	1826	338	0.06	0.26	0.613	0.13	0.03	0.857	0.00	0.01	0.928	
29	MC	1826	338	0.16	1.45	0.229	2.01	7.80	0.005	-0.03	6.98	0.008	NonUniform
30	MC	1826	338	-0.06	0.16	0.690	0.57	0.71	0.398	-0.01	0.91	0.340	
31	MC	1826	338	0.01	0.01	0.937	0.25	0.15	0.700	0.00	0.14	0.706	
32	MC	1826	338	0.11	0.80	0.370	0.90	1.82	0.177	-0.01	1.45	0.229	
33	MC	1826	338	0.02	0.03	0.872	-0.06	0.01	0.921	0.00	0.02	0.893	
34	MC	1826	338	-0.12	0.89	0.346	0.26	0.15	0.698	-0.01	0.33	0.566	
35	MC	1826	338	0.04	0.12	0.733	0.67	1.03	0.311	-0.01	0.94	0.333	
36	MC	1826	338	-0.14	1.23	0.267	-0.19	0.08	0.780	0.00	0.00	0.947	
37	MC	3639	678	-0.17	3.72	0.054	0.52	1.15	0.284	-0.01	2.10	0.147	
38	MC	3639	678	-0.21	3.97	0.046	0.17	0.14	0.713	-0.01	0.68	0.409	
39	MC	3639	678	-0.04	0.19	0.663	1.73	13.65	0.000	-0.03	15.02	0.000	NonUniform
40	MC	3639	678	0.15	2.49	0.114	0.57	1.51	0.220	-0.01	0.86	0.354	
61	SA1	1826	338	0.07	0.30	0.586	1.47	5.00	0.025	-0.03	4.74	0.030	
62	SA1	1826	338	0.30	4.51	0.034	1.41	3.37	0.066	-0.02	2.14	0.144	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.214: Logistic Regression DIF Results on Stage IV Reading Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	903	338	0.16	0.89	0.345	0.49	0.41	0.522	-0.01	0.19	0.663	
16	MC	1892	678	0.20	4.51	0.034	0.68	2.32	0.127	-0.01	1.21	0.270	
17	MC	903	338	0.23	1.81	0.178	1.93	4.37	0.036	-0.04	3.51	0.061	
18	MC	903	338	0.01	0.00	0.953	0.94	1.03	0.311	-0.02	1.04	0.307	
19	MC	1892	678	0.14	0.85	0.356	0.14	0.05	0.824	0.00	0.00	0.996	
20	MC	903	338	0.10	0.54	0.464	-0.54	0.63	0.427	0.01	0.92	0.337	
21	MC	903	338	0.31	5.42	0.020	1.07	2.33	0.127	-0.01	1.21	0.271	
22	MC	903	338	0.08	0.40	0.528	-0.10	0.03	0.864	0.00	0.10	0.752	
23	MC	903	338	0.21	2.47	0.116	0.59	0.73	0.393	-0.01	0.31	0.578	
24	MC	903	338	0.26	3.83	0.050	0.14	0.05	0.830	0.00	0.04	0.847	
25	MC	903	338	0.18	1.63	0.202	-0.13	0.04	0.851	0.01	0.20	0.652	
26	MC	903	338	-0.16	1.11	0.292	-0.19	0.06	0.812	0.00	0.00	0.974	
27	MC	903	338	0.30	3.85	0.050	0.38	0.28	0.594	0.00	0.01	0.904	
28	MC	903	338	0.29	4.49	0.034	0.73	1.05	0.306	-0.01	0.40	0.529	
29	MC	903	338	0.19	1.63	0.202	1.48	4.06	0.044	-0.02	3.27	0.071	
30	MC	903	338	-0.06	0.15	0.696	0.87	1.65	0.199	-0.02	2.01	0.156	
31	MC	903	338	0.04	0.09	0.763	-0.15	0.05	0.821	0.00	0.09	0.769	
32	MC	903	338	0.37	7.42	0.006	0.63	0.86	0.354	0.00	0.15	0.697	Uniform>
33	MC	903	338	-0.08	0.31	0.580	-0.71	1.15	0.284	0.01	0.95	0.330	
34	MC	903	338	0.10	0.56	0.453	0.20	0.08	0.780	0.00	0.02	0.893	
35	MC	903	338	0.00	0.00	0.990	0.98	2.13	0.144	-0.02	2.25	0.134	
36	MC	903	338	0.00	0.00	0.972	-0.21	0.09	0.761	0.00	0.09	0.761	
37	MC	1892	678	0.05	0.25	0.619	0.49	0.97	0.325	-0.01	0.82	0.365	
38	MC	1892	678	0.03	0.05	0.818	0.49	1.07	0.301	-0.01	1.03	0.311	
39	MC	1892	678	0.14	2.08	0.149	1.44	9.24	0.002	-0.02	7.96	0.005	NonUniform
40	MC	1892	678	0.35	11.71	0.001	0.41	0.76	0.385	0.00	0.02	0.887	Uniform>
61	SA1	903	338	0.12	0.82	0.366	1.30	3.74	0.053	-0.02	3.22	0.073	
62	SA1	903	338	0.23	2.08	0.150	0.56	0.51	0.477	-0.01	0.18	0.668	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.215: Logistic Regression DIF Results on Stage IV Reading Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	75	338	-0.13	0.17	0.678	0.91	0.49	0.484	-0.02	0.69	0.407	
16	MC	108	678	0.42	3.62	0.057	0.23	0.04	0.834	0.00	0.03	0.854	
17	MC	75	338	0.23	0.49	0.483	2.49	2.87	0.090	-0.05	2.51	0.113	
18	MC	75	338	0.60	2.13	0.144	3.32	4.70	0.030	-0.07	3.56	0.059	
19	MC	108	678	0.91	5.16	0.023	3.90	6.91	0.009	-0.07	4.84	0.028	
20	MC	75	338	-0.21	0.56	0.456	0.66	0.25	0.614	-0.02	0.46	0.499	
21	MC	75	338	0.09	0.11	0.737	1.18	0.80	0.372	-0.02	0.70	0.402	
22	MC	75	338	0.02	0.00	0.951	0.63	0.30	0.584	-0.01	0.30	0.584	
23	MC	75	338	0.10	0.12	0.726	0.52	0.15	0.703	-0.01	0.10	0.752	
24	MC	75	338	0.10	0.15	0.698	0.13	0.01	0.918	0.00	0.00	0.983	
25	MC	75	338	-0.48	2.29	0.130	0.74	0.24	0.623	-0.02	0.68	0.410	
26	MC	75	338	-0.42	1.43	0.232	1.25	0.58	0.448	-0.03	1.04	0.308	
27	MC	75	338	-0.05	0.03	0.867	3.95	8.67	0.003	-0.09	8.79	0.003	NonUniform
28	MC	75	338	-0.15	0.27	0.602	1.09	0.60	0.438	-0.02	0.80	0.370	
29	MC	75	338	-0.18	0.28	0.598	0.93	0.34	0.559	-0.02	0.50	0.482	
30	MC	75	338	-0.02	0.00	0.952	-0.21	0.02	0.885	0.00	0.02	0.893	
31	MC	75	338	-0.13	0.21	0.644	1.77	2.06	0.152	-0.04	2.45	0.118	
32	MC	75	338	-0.20	0.50	0.481	3.63	8.61	0.003	-0.08	9.67	0.002	NonUniform
33	MC	75	338	-0.26	0.77	0.379	0.59	0.20	0.656	-0.02	0.43	0.512	
34	MC	75	338	0.01	0.00	0.965	1.02	0.58	0.447	-0.02	0.59	0.444	
35	MC	75	338	0.05	0.03	0.857	0.21	0.02	0.880	0.00	0.01	0.908	
36	MC	75	338	-0.18	0.38	0.537	0.93	0.45	0.502	-0.02	0.67	0.414	
37	MC	108	678	0.13	0.31	0.575	1.52	1.93	0.165	-0.03	1.68	0.194	
38	MC	108	678	0.16	0.43	0.512	1.87	3.04	0.081	-0.04	2.60	0.107	
39	MC	108	678	-0.17	0.49	0.484	-1.06	0.59	0.443	0.02	0.44	0.510	
40	MC	108	678	0.52	5.25	0.022	1.07	1.02	0.313	-0.01	0.28	0.594	
61	SA1	75	338	0.47	2.97	0.085	-0.01	0.00	0.992	0.01	0.13	0.716	
62	SA1	75	338	0.47	2.11	0.146	-0.69	0.18	0.667	0.03	0.55	0.460	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.216: Logistic Regression DIF Results on Stage IV Reading Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	6632	3067	-0.04	0.18	0.675	0.14	0.15	0.702	0.00	0.25	0.620	
16	MC	13284	6209	0.15	13.66	0.000	-0.92	23.03	0.000	0.02	32.64	0.000	NonUniform
17	MC	6632	3067	0.34	14.08	0.000	0.70	2.80	0.095	-0.01	0.79	0.373	Uniform>
18	MC	6632	3067	0.88	48.73	0.000	0.28	0.22	0.636	0.01	1.03	0.310	Uniform>
19	MC	13284	6209	0.53	27.57	0.000	1.18	6.27	0.012	-0.01	1.98	0.159	Uniform>
20	MC	6632	3067	0.00	0.00	0.947	-1.65	29.42	0.000	0.03	30.86	0.000	NonUniform
21	MC	6632	3067	-0.23	17.49	0.000	-2.40	73.84	0.000	0.04	63.46	0.000	NonUniform
22	MC	6632	3067	-0.08	1.91	0.167	-2.36	78.30	0.000	0.04	77.41	0.000	NonUniform
23	MC	6632	3067	-0.12	4.46	0.035	-2.34	68.36	0.000	0.04	64.86	0.000	NonUniform
24	MC	6632	3067	-0.02	0.08	0.781	-1.98	52.22	0.000	0.03	54.11	0.000	NonUniform
25	MC	6632	3067	-0.22	15.71	0.000	-2.51	79.75	0.000	0.04	69.88	0.000	NonUniform
26	MC	6632	3067	0.05	0.71	0.398	-2.72	72.07	0.000	0.05	77.63	0.000	NonUniform
27	MC	6632	3067	-0.12	4.71	0.030	-3.37	139.68	0.000	0.05	136.17	0.000	NonUniform
28	MC	6632	3067	-0.01	0.07	0.793	-2.86	90.58	0.000	0.05	94.05	0.000	NonUniform
29	MC	6632	3067	-0.27	23.41	0.000	-2.61	90.31	0.000	0.04	76.24	0.000	NonUniform
30	MC	6632	3067	-0.60	86.78	0.000	-2.92	88.10	0.000	0.04	58.81	0.000	NonUniform
31	MC	6632	3067	-0.07	1.48	0.223	-3.14	117.09	0.000	0.05	118.05	0.000	NonUniform
32	MC	6632	3067	-0.11	3.82	0.051	-3.68	167.90	0.000	0.06	167.15	0.000	NonUniform
33	MC	6632	3067	-0.07	1.43	0.232	-2.16	64.10	0.000	0.04	63.28	0.000	NonUniform
34	MC	6632	3067	0.22	16.20	0.000	-3.15	110.20	0.000	0.06	132.36	0.000	NonUniform
35	MC	6632	3067	-0.11	4.48	0.034	-1.33	26.41	0.000	0.02	23.18	0.000	NonUniform
36	MC	6632	3067	-0.22	15.77	0.000	-2.63	82.31	0.000	0.04	72.40	0.000	NonUniform
37	MC	13284	6209	0.20	26.37	0.000	-1.19	34.02	0.000	0.02	48.46	0.000	NonUniform
38	MC	13284	6209	-0.27	33.73	0.000	-1.27	34.34	0.000	0.02	22.30	0.000	NonUniform
39	MC	13284	6209	-0.21	29.47	0.000	-2.94	243.41	0.000	0.05	221.84	0.000	NonUniform
40	MC	13284	6209	-0.30	57.05	0.000	-2.02	110.36	0.000	0.03	84.29	0.000	NonUniform
61	SA1	6632	3067	-0.06	1.21	0.271	-0.44	3.14	0.076	0.01	2.48	0.115	
62	SA1	6632	3067	0.24	8.73	0.003	-0.62	2.72	0.099	0.02	5.47	0.019	Uniform>

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.217: Logistic Regression DIF Results on Stage IV Reading Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2	9697	9.69	0.00	0.967	12.87	0.00	0.984	-0.06	0.00	0.995	
16	MC	10	19483	0.02	0.00	0.980	-8.27	1.10	0.293	0.14	1.17	0.280	
17	MC	2	9697	10.59	0.00	0.972	14.81	0.00	0.981	-0.10	0.00	0.991	
18	MC	2	9697	9.97	0.00	0.973	15.78	0.00	0.984	-0.13	0.00	0.991	
19	MC	10	19483	9.82	0.00	0.960	16.70	0.00	0.988	-0.13	0.00	0.994	
20	MC	2	9697	-0.96	0.20	0.656	-28.66	0.00	0.964	0.43	0.00	0.963	
21	MC	2	9697	-0.63	0.12	0.731	-29.42	0.00	0.962	0.44	0.00	0.960	
22	MC	2	9697	10.74	0.00	0.952	14.07	0.00	0.983	-0.06	0.00	0.995	
23	MC	2	9697	-0.54	0.08	0.774	-28.99	0.00	0.962	0.44	0.00	0.960	
24	MC	2	9697	-0.90	0.25	0.617	-30.19	0.00	0.963	0.45	0.00	0.962	
25	MC	2	9697	-0.08	0.00	0.966	-28.99	0.00	0.961	0.44	0.00	0.959	
26	MC	2	9697	0.46	0.05	0.818	-27.87	0.00	0.965	0.44	0.00	0.963	
27	MC	2	9697	0.52	0.10	0.756	-29.60	0.00	0.963	0.46	0.00	0.961	
28	MC	2	9697	11.39	0.00	0.944	16.19	0.00	0.979	-0.09	0.00	0.992	
29	MC	2	9697	12.19	0.00	0.951	13.66	0.00	0.973	-0.04	0.00	0.995	
30	MC	2	9697	1.45	1.05	0.305	-31.13	0.00	0.957	0.51	0.00	0.960	
31	MC	2	9697	-0.68	0.12	0.732	-28.82	0.00	0.963	0.43	0.00	0.961	
32	MC	2	9697	11.40	0.00	0.945	15.46	0.00	0.979	-0.07	0.00	0.993	
33	MC	2	9697	0.17	0.01	0.917	-29.62	0.00	0.961	0.46	0.00	0.959	
34	MC	2	9697	11.44	0.01	0.943	16.33	0.00	0.979	-0.09	0.00	0.992	
35	MC	2	9697	0.14	0.01	0.929	-30.25	0.00	0.960	0.47	0.00	0.958	
36	MC	2	9697	11.90	0.00	0.944	15.76	0.00	0.979	-0.07	0.00	0.994	
37	MC	10	19483	-0.09	0.02	0.902	-14.32	0.59	0.444	0.23	0.59	0.442	
38	MC	10	19483	0.68	0.98	0.321	3.99	1.06	0.303	-0.05	0.73	0.394	
39	MC	10	19483	-1.20	2.18	0.140	-6.24	0.87	0.350	0.07	0.59	0.441	
40	MC	10	19483	-1.62	2.31	0.128	-105.34	0.01	0.934	1.33	0.01	0.936	
61	SA1	2	9697	11.02	0.00	0.951	13.45	0.00	0.982	-0.04	0.00	0.996	
62	SA1	2	9697	9.79	0.00	0.959	14.29	0.00	0.980	-0.09	0.00	0.992	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.218: Logistic Regression DIF Results on Stage IV Writing Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	1202	1861	0.17	4.04	0.045	-0.14	0.18	0.669	0.01	0.95	0.330	
42	MC	2540	3664	0.16	9.06	0.003	-0.04	0.03	0.852	0.00	0.87	0.352	Uniform>
43	MC	1202	1861	0.13	2.91	0.088	0.31	0.83	0.363	0.00	0.28	0.595	
44	MC	1202	1861	0.37	22.40	0.000	-0.40	1.25	0.264	0.01	4.86	0.028	Uniform>
45	MC	1202	1861	0.44	32.28	0.000	0.36	1.10	0.295	0.00	0.06	0.808	Uniform>
46	MC	1202	1861	0.29	13.91	0.000	-0.40	1.25	0.264	0.01	3.90	0.048	Uniform>
47	MC	1202	1861	0.22	7.53	0.006	0.64	2.85	0.091	-0.01	1.29	0.255	Uniform>
48	MC	1202	1861	-0.09	1.18	0.277	-0.16	0.17	0.680	0.00	0.04	0.851	
49	MC	1202	1861	0.00	0.00	0.983	-0.19	0.26	0.609	0.00	0.28	0.597	
50	MC	1202	1861	-0.12	2.04	0.153	0.35	0.87	0.351	-0.01	1.64	0.200	
51	MC	1202	1861	0.23	6.71	0.010	-0.24	0.32	0.569	0.01	1.35	0.245	Uniform>
52	MC	2540	3664	0.02	0.20	0.659	-0.24	0.87	0.350	0.00	1.12	0.290	
53	MC	2540	3664	-0.02	0.12	0.726	-0.27	1.13	0.287	0.00	1.02	0.312	
54	MC	1202	1861	-0.27	11.45	0.001	0.20	0.30	0.585	-0.01	1.71	0.191	Uniform<
55	MC	1202	1861	-0.30	9.73	0.002	-0.72	2.72	0.099	0.01	1.00	0.318	Uniform<
56	MC	2540	3664	0.23	16.08	0.000	0.43	3.07	0.080	0.00	0.71	0.401	Uniform>
57	MC	1202	1861	-0.08	0.91	0.341	-1.07	6.30	0.012	0.02	5.65	0.017	
58	MC	1202	1861	-0.07	0.74	0.389	0.33	0.84	0.360	-0.01	1.31	0.252	
59	ER	1202	1861	0.45	36.62	0.000	-0.16	0.28	0.595	0.01	4.44	0.035	Uniform>
60	ER	1202	1861	0.33	21.10	0.000	-0.37	1.50	0.221	0.01	5.87	0.015	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.219: Logistic Regression DIF Results on Stage IV Writing Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	2416	651	0.24	5.66	0.017	1.88	20.56	0.000	-0.03	16.59	0.000	NonUniform
42	MC	4855	1354	-0.24	13.91	0.000	-0.22	0.70	0.403	0.00	0.01	0.920	Uniform<
43	MC	2416	651	-0.29	9.41	0.002	-0.18	0.22	0.640	0.00	0.08	0.780	Uniform<
44	MC	2416	651	-0.23	6.07	0.014	0.86	3.96	0.047	-0.02	6.69	0.010	NonUniform
45	MC	2416	651	-0.08	0.65	0.418	0.30	0.56	0.456	-0.01	0.92	0.338	
46	MC	2416	651	-0.26	7.82	0.005	0.38	0.80	0.372	-0.01	2.42	0.120	Uniform<
47	MC	2416	651	-0.08	0.63	0.428	-0.20	0.21	0.650	0.00	0.08	0.774	
48	MC	2416	651	-0.20	4.52	0.034	0.53	1.38	0.241	-0.01	2.78	0.096	
49	MC	2416	651	0.32	10.82	0.001	0.10	0.06	0.810	0.00	0.28	0.599	Uniform>
50	MC	2416	651	-0.08	0.59	0.441	0.18	0.18	0.673	0.00	0.38	0.537	
51	MC	2416	651	0.07	0.49	0.483	-0.26	0.32	0.571	0.01	0.56	0.456	
52	MC	4855	1354	0.12	3.47	0.062	0.20	0.47	0.492	0.00	0.07	0.785	
53	MC	4855	1354	0.15	3.95	0.047	0.15	0.27	0.604	0.00	0.00	0.986	
54	MC	2416	651	-0.40	17.01	0.000	0.52	1.33	0.249	-0.02	4.39	0.036	Uniform<
55	MC	2416	651	-0.23	4.48	0.034	-0.66	2.12	0.145	0.01	0.95	0.329	
56	MC	4855	1354	-0.08	1.26	0.262	-0.61	4.97	0.026	0.01	4.06	0.044	
57	MC	2416	651	0.00	0.00	1.000	0.82	2.68	0.102	-0.02	2.80	0.095	
58	MC	2416	651	-0.25	6.59	0.010	1.15	7.32	0.007	-0.03	11.62	0.001	NonUniform
59	ER	2416	651	-0.04	0.19	0.667	0.34	1.04	0.309	-0.01	1.37	0.242	
60	ER	2416	651	0.15	3.20	0.074	-0.11	0.11	0.742	0.01	0.67	0.415	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.220: Logistic Regression DIF Results on Stage IV Writing Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	321	2746	-0.10	0.61	0.434	-0.97	2.66	0.103	0.02	2.22	0.136	
42	MC	609	5600	0.08	0.72	0.396	0.50	1.61	0.205	-0.01	1.21	0.272	
43	MC	321	2746	-0.19	2.38	0.123	-0.51	0.72	0.397	0.01	0.29	0.588	
44	MC	321	2746	0.00	0.00	0.995	0.36	0.39	0.531	-0.01	0.41	0.522	
45	MC	321	2746	0.00	0.00	0.999	-1.72	6.50	0.011	0.03	6.78	0.009	NonUniform
46	MC	321	2746	0.33	6.93	0.008	0.41	0.49	0.483	0.00	0.02	0.885	Uniform>
47	MC	321	2746	0.03	0.06	0.799	-0.46	0.48	0.487	0.01	0.57	0.448	
48	MC	321	2746	0.32	6.61	0.010	0.55	0.82	0.364	0.00	0.14	0.704	
49	MC	321	2746	-0.38	8.42	0.004	-0.38	0.34	0.557	0.00	0.00	0.993	Uniform<
50	MC	321	2746	0.01	0.00	0.947	-0.46	0.51	0.474	0.01	0.56	0.454	
51	MC	321	2746	0.40	7.75	0.005	0.25	0.13	0.720	0.00	0.05	0.823	Uniform>
52	MC	609	5600	0.13	1.96	0.161	-0.07	0.03	0.874	0.00	0.21	0.648	
53	MC	609	5600	-0.24	5.01	0.025	0.04	0.01	0.932	-0.01	0.38	0.540	
54	MC	321	2746	0.72	29.78	0.000	0.62	1.02	0.312	0.00	0.03	0.873	Uniform>
55	MC	321	2746	0.28	3.94	0.047	0.01	0.00	0.993	0.01	0.18	0.673	
56	MC	609	5600	-0.06	0.41	0.520	-0.36	0.66	0.417	0.01	0.48	0.488	
57	MC	321	2746	-0.09	0.44	0.506	0.76	1.41	0.236	-0.02	1.81	0.179	
58	MC	321	2746	-0.06	0.19	0.659	-0.73	1.33	0.249	0.01	1.19	0.275	
59	ER	321	2746	0.61	27.09	0.000	0.58	1.38	0.240	0.00	0.00	0.955	Uniform>
60	ER	321	2746	0.08	0.47	0.493	1.79	13.54	0.000	-0.03	13.08	0.000	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.221: Logistic Regression DIF Results on Stage IV Writing Items for the Special Education/Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	603	2464	-0.82	72.35	0.000	-1.70	11.73	0.001	0.02	3.24	0.072	Uniform<
42	MC	1201	5008	-0.22	9.38	0.002	-0.01	0.00	0.981	0.00	0.39	0.531	Uniform<
43	MC	603	2464	-0.18	3.42	0.064	-0.05	0.01	0.914	0.00	0.06	0.800	
44	MC	603	2464	-0.34	12.22	0.000	-0.08	0.02	0.877	-0.01	0.26	0.610	Uniform<
45	MC	603	2464	-0.25	6.74	0.009	0.55	1.23	0.267	-0.02	2.71	0.100	Uniform<
46	MC	603	2464	-0.32	10.50	0.001	0.46	0.83	0.362	-0.02	2.43	0.119	Uniform<
47	MC	603	2464	-0.16	2.70	0.100	-1.42	5.62	0.018	0.02	4.56	0.033	
48	MC	603	2464	-0.08	0.66	0.417	0.45	0.70	0.403	-0.01	1.01	0.315	
49	MC	603	2464	-0.31	9.66	0.002	0.38	0.52	0.472	-0.01	1.78	0.182	Uniform<
50	MC	603	2464	0.04	0.19	0.664	0.33	0.38	0.537	-0.01	0.29	0.587	
51	MC	603	2464	0.12	1.25	0.263	-0.66	1.26	0.261	0.02	1.80	0.179	
52	MC	1201	5008	-0.43	39.64	0.000	-0.91	5.95	0.015	0.01	1.69	0.194	Uniform<
53	MC	1201	5008	-0.33	15.58	0.000	0.20	0.28	0.599	-0.01	1.93	0.164	Uniform<
54	MC	603	2464	0.07	0.48	0.491	0.17	0.11	0.737	0.00	0.04	0.833	
55	MC	603	2464	0.27	5.45	0.020	-0.12	0.04	0.849	0.01	0.41	0.520	
56	MC	1201	5008	-0.43	39.86	0.000	-1.01	7.75	0.005	0.01	2.65	0.104	Uniform<
57	MC	603	2464	-0.01	0.02	0.889	0.95	3.04	0.081	-0.02	3.22	0.073	
58	MC	603	2464	0.14	1.83	0.176	0.78	2.36	0.125	-0.01	1.65	0.199	
59	ER	603	2464	-0.04	0.21	0.643	1.48	11.90	0.001	-0.03	13.08	0.000	NonUniform
60	ER	603	2464	0.04	0.20	0.657	1.59	13.73	0.000	-0.03	13.60	0.000	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.222: Logistic Regression DIF Results on Stage IV Writing Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	1826	1241	0.13	2.50	0.114	0.59	3.32	0.068	-0.01	2.14	0.144	
42	MC	3639	2570	-0.06	1.17	0.280	-0.04	0.03	0.853	0.00	0.01	0.938	
43	MC	1826	1241	-0.09	1.37	0.243	-0.33	1.01	0.315	0.00	0.57	0.452	
44	MC	1826	1241	-0.13	2.95	0.086	0.27	0.59	0.443	-0.01	1.39	0.238	
45	MC	1826	1241	0.02	0.07	0.790	0.11	0.10	0.748	0.00	0.07	0.789	
46	MC	1826	1241	-0.07	0.71	0.399	-0.35	1.00	0.317	0.01	0.69	0.406	
47	MC	1826	1241	-0.03	0.10	0.748	0.36	0.89	0.345	-0.01	1.07	0.301	
48	MC	1826	1241	-0.14	3.26	0.071	0.53	2.04	0.153	-0.01	3.46	0.063	
49	MC	1826	1241	0.15	3.61	0.058	-0.14	0.16	0.693	0.01	0.71	0.401	
50	MC	1826	1241	-0.10	1.39	0.239	-0.08	0.05	0.818	0.00	0.00	0.970	
51	MC	1826	1241	-0.03	0.09	0.758	-0.54	1.84	0.175	0.01	1.75	0.186	
52	MC	3639	2570	0.01	0.07	0.798	0.20	0.67	0.413	0.00	0.61	0.435	
53	MC	3639	2570	0.03	0.32	0.571	0.62	6.11	0.013	-0.01	5.81	0.016	
54	MC	1826	1241	-0.34	18.07	0.000	0.26	0.50	0.481	-0.01	2.82	0.093	Uniform<
55	MC	1826	1241	-0.51	31.46	0.000	0.29	0.51	0.474	-0.01	4.14	0.042	Uniform<
56	MC	3639	2570	-0.01	0.03	0.874	-0.31	1.64	0.200	0.01	1.64	0.201	
57	MC	1826	1241	-0.07	0.66	0.416	0.46	1.27	0.259	-0.01	1.74	0.187	
58	MC	1826	1241	-0.33	16.31	0.000	0.87	6.24	0.012	-0.02	12.59	0.000	NonUniform
59	ER	1826	1241	-0.09	1.63	0.201	0.55	3.71	0.054	-0.01	5.41	0.020	
60	ER	1826	1241	0.12	2.77	0.096	0.25	0.73	0.394	0.00	0.21	0.650	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.223: Logistic Regression DIF Results on Stage IV Writing Items for the Spanish/English Comparison

Focal Group: Special Education; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	1826	338	0.45	12.18	0.000	1.34	4.28	0.038	-0.02	1.97	0.160	Uniform>
42	MC	3639	678	0.12	1.83	0.176	0.66	2.23	0.135	-0.01	1.55	0.212	
43	MC	1826	338	0.07	0.28	0.594	-0.63	1.08	0.299	0.01	1.37	0.242	
44	MC	1826	338	0.00	0.00	0.985	-0.31	0.24	0.621	0.01	0.25	0.617	
45	MC	1826	338	0.17	1.86	0.173	1.11	2.65	0.103	-0.02	1.98	0.159	
46	MC	1826	338	0.07	0.34	0.563	-0.15	0.06	0.813	0.00	0.13	0.723	
47	MC	1826	338	0.21	2.64	0.104	2.03	6.42	0.011	-0.03	5.34	0.021	
48	MC	1826	338	-0.12	0.91	0.341	0.05	0.01	0.943	0.00	0.07	0.796	
49	MC	1826	338	0.25	3.83	0.050	1.28	3.13	0.077	-0.02	2.10	0.147	
50	MC	1826	338	-0.05	0.12	0.727	-0.10	0.02	0.880	0.00	0.01	0.934	
51	MC	1826	338	-0.08	0.31	0.580	-0.53	0.52	0.473	0.01	0.39	0.532	
52	MC	3639	678	0.27	9.54	0.002	1.65	10.44	0.001	-0.03	7.53	0.006	NonUniform
53	MC	3639	678	0.37	11.51	0.001	1.73	10.36	0.001	-0.03	6.89	0.009	NonUniform
54	MC	1826	338	-0.21	2.77	0.096	0.21	0.09	0.760	-0.01	0.39	0.535	
55	MC	1826	338	-0.53	14.58	0.000	-0.10	0.02	0.889	-0.01	0.42	0.514	Uniform<
56	MC	3639	678	0.17	3.46	0.063	1.55	9.01	0.003	-0.03	7.39	0.007	NonUniform
57	MC	1826	338	-0.10	0.67	0.413	0.14	0.04	0.846	0.00	0.12	0.730	
58	MC	1826	338	-0.26	4.04	0.044	1.01	2.42	0.120	-0.02	4.05	0.044	
59	ER	1826	338	-0.44	14.05	0.000	-0.94	3.03	0.082	0.01	0.91	0.340	Uniform<
60	ER	1826	338	-0.12	1.00	0.317	-0.90	2.82	0.093	0.02	2.24	0.135	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.224: Logistic Regression DIF Results on Stage IV Writing Items for the Non-Spanish/English Comparison

Focal Group: Special Education; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	903	338	0.47	10.98	0.001	0.89	1.78	0.182	-0.01	0.41	0.524	Uniform>
42	MC	1892	678	0.25	6.48	0.011	0.86	3.64	0.056	-0.01	1.95	0.162	
43	MC	903	338	0.22	2.66	0.103	-0.34	0.30	0.586	0.01	0.84	0.360	
44	MC	903	338	0.18	1.82	0.177	-0.68	1.12	0.290	0.02	1.88	0.171	
45	MC	903	338	0.21	2.37	0.124	1.22	3.09	0.079	-0.02	2.22	0.136	
46	MC	903	338	0.19	2.07	0.150	0.26	0.16	0.689	0.00	0.01	0.913	
47	MC	903	338	0.33	5.49	0.019	2.05	6.25	0.012	-0.03	4.57	0.033	
48	MC	903	338	0.02	0.02	0.876	-0.60	0.76	0.382	0.01	0.85	0.356	
49	MC	903	338	0.14	1.04	0.308	1.71	5.40	0.020	-0.03	4.75	0.029	
50	MC	903	338	0.07	0.24	0.622	-0.01	0.00	0.993	0.00	0.01	0.909	
51	MC	903	338	-0.08	0.26	0.607	0.00	0.00	0.998	0.00	0.01	0.916	
52	MC	1892	678	0.36	14.27	0.000	1.74	11.24	0.001	-0.03	7.34	0.007	NonUniform
53	MC	1892	678	0.44	14.91	0.000	1.33	5.94	0.015	-0.02	2.81	0.094	Uniform>
54	MC	903	338	0.19	1.90	0.168	-0.05	0.00	0.948	0.00	0.12	0.731	
55	MC	903	338	-0.05	0.10	0.755	-0.49	0.48	0.487	0.01	0.41	0.521	
56	MC	1892	678	0.24	6.05	0.014	2.20	17.72	0.000	-0.04	14.62	0.000	NonUniform
57	MC	903	338	-0.07	0.22	0.642	-0.42	0.30	0.582	0.01	0.22	0.636	
58	MC	903	338	0.09	0.38	0.538	0.18	0.08	0.782	0.00	0.02	0.880	
59	ER	903	338	-0.44	12.23	0.000	-1.70	9.34	0.002	0.02	5.43	0.020	Uniform<
60	ER	903	338	-0.29	5.51	0.019	-1.26	5.14	0.023	0.02	3.20	0.074	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.225: Logistic Regression DIF Results on Stage IV Writing Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	75	338	0.39	1.82	0.177	-1.10	0.62	0.432	0.03	1.18	0.278	
42	MC	108	678	-0.10	0.19	0.665	2.54	5.94	0.015	-0.05	6.50	0.011	
43	MC	75	338	-0.23	0.71	0.399	-2.53	2.83	0.092	0.05	2.46	0.117	
44	MC	75	338	-0.45	2.52	0.113	-0.60	0.18	0.670	0.00	0.01	0.916	
45	MC	75	338	-0.03	0.01	0.911	0.78	0.32	0.570	-0.02	0.36	0.548	
46	MC	75	338	0.13	0.23	0.635	0.23	0.03	0.863	0.00	0.01	0.940	
47	MC	75	338	0.12	0.16	0.691	2.15	2.09	0.148	-0.04	1.92	0.166	
48	MC	75	338	-0.03	0.01	0.925	0.67	0.26	0.611	-0.01	0.29	0.590	
49	MC	75	338	-0.41	1.69	0.194	0.83	0.27	0.605	-0.02	0.61	0.433	
50	MC	75	338	-0.16	0.28	0.600	-0.70	0.21	0.643	0.01	0.13	0.714	
51	MC	75	338	0.03	0.01	0.931	-1.45	0.81	0.369	0.03	0.86	0.353	
52	MC	108	678	0.36	2.47	0.116	0.99	0.67	0.411	-0.01	0.29	0.592	
53	MC	108	678	0.27	1.04	0.308	1.72	1.95	0.162	-0.03	1.41	0.235	
54	MC	75	338	0.58	4.16	0.041	0.32	0.06	0.814	0.01	0.04	0.842	
55	MC	75	338	-0.26	0.64	0.423	-0.36	0.05	0.820	0.00	0.00	0.951	
56	MC	108	678	0.06	0.08	0.779	1.05	0.78	0.378	-0.02	0.71	0.399	
57	MC	75	338	-0.20	0.49	0.483	0.80	0.32	0.574	-0.02	0.51	0.476	
58	MC	75	338	0.00	0.00	0.987	-0.89	0.35	0.553	0.02	0.37	0.541	
59	ER	75	338	0.18	0.48	0.486	0.46	0.19	0.666	-0.01	0.07	0.786	
60	ER	75	338	0.30	1.39	0.238	2.11	3.73	0.054	-0.04	2.93	0.087	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.226: Logistic Regression DIF Results on Stage IV Writing Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	6632	3067	0.04	0.42	0.517	-0.73	6.31	0.012	0.01	7.45	0.006	NonUniform
42	MC	13284	6209	-0.17	19.20	0.000	-1.36	56.98	0.000	0.02	46.07	0.000	NonUniform
43	MC	6632	3067	-0.10	3.20	0.073	-0.36	1.94	0.164	0.00	1.08	0.300	
44	MC	6632	3067	-0.05	0.68	0.409	-2.04	54.74	0.000	0.03	55.01	0.000	NonUniform
45	MC	6632	3067	-0.01	0.06	0.807	-0.93	12.64	0.000	0.02	12.88	0.000	NonUniform
46	MC	6632	3067	-0.14	6.81	0.009	-1.55	32.81	0.000	0.02	28.40	0.000	NonUniform
47	MC	6632	3067	0.14	6.01	0.014	-1.17	16.59	0.000	0.02	21.56	0.000	NonUniform
48	MC	6632	3067	0.43	63.53	0.000	-1.06	14.31	0.000	0.03	29.48	0.000	NonUniform
49	MC	6632	3067	-0.14	7.02	0.008	-1.26	22.54	0.000	0.02	18.59	0.000	NonUniform
50	MC	6632	3067	-0.05	0.99	0.319	-0.39	2.18	0.140	0.01	1.69	0.194	
51	MC	6632	3067	0.59	61.76	0.000	-1.17	8.79	0.003	0.03	20.61	0.000	NonUniform
52	MC	13284	6209	0.28	46.59	0.000	-2.17	101.85	0.000	0.04	135.86	0.000	NonUniform
53	MC	13284	6209	-0.32	57.36	0.000	-5.50	628.18	0.000	0.08	590.15	0.000	NonUniform
54	MC	6632	3067	0.54	79.90	0.000	-1.09	12.24	0.000	0.03	28.31	0.000	NonUniform
55	MC	6632	3067	0.41	48.58	0.000	-1.99	46.62	0.000	0.04	70.29	0.000	NonUniform
56	MC	13284	6209	0.19	20.19	0.000	0.21	1.01	0.316	0.00	0.01	0.941	Uniform>
57	MC	6632	3067	0.34	36.82	0.000	-1.33	18.43	0.000	0.03	30.34	0.000	NonUniform
58	MC	6632	3067	-0.07	1.38	0.239	-2.76	103.03	0.000	0.05	103.19	0.000	NonUniform
59	ER	6632	3067	0.56	114.99	0.000	1.37	32.31	0.000	-0.01	11.90	0.001	NonUniform
60	ER	6632	3067	0.37	53.61	0.000	1.19	24.85	0.000	-0.01	12.30	0.000	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.227: Logistic Regression DIF Results on Stage IV Writing Items for the FRL/Non-FRL Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
41	MC	2	9697	-1.75	1.11	0.291	-32.20	0.00	0.966	0.46	0.00	0.962	
42	MC	10	19483	-0.43	0.37	0.543	0.05	0.00	0.989	-0.01	0.02	0.897	
43	MC	2	9697	10.83	0.00	0.952	13.87	0.00	0.982	-0.05	0.00	0.996	
44	MC	2	9697	-0.66	0.13	0.719	-29.48	0.00	0.962	0.44	0.00	0.961	
45	MC	2	9697	-0.54	0.10	0.750	-30.16	0.00	0.961	0.46	0.00	0.959	
46	MC	2	9697	-0.53	0.09	0.762	-29.68	0.00	0.961	0.45	0.00	0.960	
47	MC	2	9697	-0.75	0.14	0.704	-29.01	0.00	0.963	0.43	0.00	0.962	
48	MC	2	9697	-0.66	0.12	0.733	-28.93	0.00	0.962	0.43	0.00	0.961	
49	MC	2	9697	-0.17	0.01	0.921	-29.69	0.00	0.960	0.45	0.00	0.958	
50	MC	2	9697	-11.10	0.00	0.952	-8.37	0.00	0.989	-0.04	0.00	0.997	
51	MC	2	9697	-2.66	0.97	0.324	-31.03	0.00	0.979	0.42	0.00	0.976	
52	MC	10	19483	-0.54	0.59	0.444	-10.47	0.61	0.435	0.16	0.57	0.452	
53	MC	10	19483	1.42	4.44	0.035	-1.35	0.08	0.775	0.05	0.35	0.553	
54	MC	2	9697	-1.62	0.55	0.459	-27.58	0.00	0.956	0.40	0.00	0.954	
55	MC	2	9697	-11.31	0.00	0.949	-6.84	0.00	0.991	-0.06	0.00	0.995	
56	MC	10	19483	1.18	1.18	0.277	-23.63	0.00	0.944	0.55	0.00	0.944	
57	MC	2	9697	11.20	0.00	0.945	16.51	0.00	0.979	-0.10	0.00	0.992	
58	MC	2	9697	0.44	0.08	0.784	-30.01	0.00	0.962	0.47	0.00	0.960	
59	ER	2	9697	-1.02	0.57	0.452	-4.18	1.00	0.317	0.05	0.70	0.404	
60	ER	2	9697	-1.20	0.78	0.377	-24.82	0.01	0.936	0.30	0.01	0.933	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.228: Logistic Regression DIF Results on Stage IV Listening Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1202	1861	-0.28	11.24	0.001	-0.27	0.61	0.434	0.00	0.00	0.957	Uniform<
2	MC	2540	3664	-0.06	0.99	0.319	-0.11	0.20	0.659	0.00	0.04	0.837	
3	MC	1202	1861	0.19	3.73	0.054	0.22	0.39	0.532	0.00	0.01	0.911	
4	MC	1202	1861	0.14	3.50	0.061	-0.05	0.02	0.882	0.00	0.35	0.555	
5	MC	1202	1861	-0.01	0.03	0.857	-0.85	6.54	0.011	0.02	6.71	0.010	NonUniform
6	MC	2540	3664	-0.05	0.66	0.418	0.17	0.50	0.480	0.00	0.91	0.340	
7	MC	1202	1861	-0.36	21.62	0.000	0.40	1.51	0.220	-0.01	5.70	0.017	Uniform<
8	MC	1202	1861	-0.03	0.16	0.691	0.23	0.47	0.494	0.00	0.64	0.425	
9	MC	1202	1861	-0.10	1.26	0.261	-0.11	0.09	0.767	0.00	0.00	0.984	
10	MC	1202	1861	0.02	0.09	0.762	0.02	0.01	0.942	0.00	0.00	0.998	
11	MC	1202	1861	-0.28	11.48	0.001	-0.17	0.23	0.635	0.00	0.10	0.750	Uniform<
12	MC	2540	3664	-0.14	6.71	0.010	-0.26	1.29	0.257	0.00	0.29	0.592	Uniform<
13	MC	1202	1861	-0.04	0.26	0.612	-0.13	0.15	0.696	0.00	0.08	0.778	
14	MC	1202	1861	-0.14	3.06	0.080	0.43	1.53	0.216	-0.01	2.87	0.090	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.229: Logistic Regression DIF Results on Stage IV Listening Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	2416	651	-0.01	0.02	0.895	-0.04	0.01	0.910	0.00	0.01	0.935	
2	MC	4855	1354	0.00	0.00	0.944	-0.91	11.48	0.001	0.02	12.49	0.000	NonUniform
3	MC	2416	651	0.01	0.01	0.914	0.06	0.03	0.873	0.00	0.02	0.892	
4	MC	2416	651	0.19	4.04	0.044	0.59	2.18	0.140	-0.01	1.08	0.299	
5	MC	2416	651	0.03	0.10	0.752	-0.75	4.38	0.036	0.02	5.02	0.025	
6	MC	4855	1354	0.01	0.01	0.917	-0.11	0.16	0.690	0.00	0.20	0.657	
7	MC	2416	651	-0.18	3.75	0.053	-1.07	9.06	0.003	0.02	6.75	0.009	NonUniform
8	MC	2416	651	0.25	7.15	0.008	0.81	4.15	0.042	-0.01	2.13	0.144	Uniform>
9	MC	2416	651	0.04	0.17	0.679	-0.20	0.24	0.627	0.01	0.38	0.540	
10	MC	2416	651	0.36	15.13	0.000	-0.21	0.32	0.571	0.01	2.48	0.115	Uniform>
11	MC	2416	651	-0.23	5.38	0.020	-1.00	6.75	0.009	0.02	4.32	0.038	
12	MC	4855	1354	-0.02	0.08	0.771	-0.13	0.24	0.627	0.00	0.18	0.670	
13	MC	2416	651	-0.45	23.61	0.000	0.17	0.19	0.662	-0.01	2.73	0.098	Uniform<
14	MC	2416	651	0.37	12.69	0.000	0.48	1.29	0.255	0.00	0.08	0.782	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.230: Logistic Regression DIF Results on Stage IV Listening Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	321	2746	0.02	0.04	0.851	-0.02	0.00	0.971	0.00	0.01	0.934	
2	MC	609	5600	0.10	0.99	0.319	0.81	3.98	0.046	-0.01	3.28	0.070	
3	MC	321	2746	-0.15	1.06	0.304	-0.07	0.01	0.908	0.00	0.02	0.891	
4	MC	321	2746	-0.17	1.84	0.174	-0.88	2.09	0.149	0.01	1.43	0.231	
5	MC	321	2746	0.22	3.21	0.073	-0.01	0.00	0.980	0.00	0.19	0.664	
6	MC	609	5600	0.24	4.97	0.026	0.49	1.29	0.256	-0.01	0.35	0.554	
7	MC	321	2746	0.28	5.49	0.019	1.85	13.24	0.000	-0.03	10.08	0.001	NonUniform
8	MC	321	2746	-0.36	8.60	0.003	-0.27	0.23	0.632	0.00	0.02	0.875	Uniform<
9	MC	321	2746	-0.09	0.43	0.513	0.91	2.52	0.112	-0.02	3.25	0.072	
10	MC	321	2746	-0.38	9.50	0.002	-0.07	0.02	0.901	-0.01	0.32	0.574	Uniform<
11	MC	321	2746	0.11	0.70	0.402	1.42	6.84	0.009	-0.03	6.22	0.013	
12	MC	609	5600	-0.26	8.59	0.003	-0.08	0.04	0.841	0.00	0.21	0.647	Uniform<
13	MC	321	2746	0.06	0.23	0.629	-0.06	0.01	0.913	0.00	0.05	0.826	
14	MC	321	2746	-0.32	5.43	0.020	-1.19	3.21	0.073	0.02	1.81	0.178	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.231: Logistic Regression DIF Results on Stage IV Listening Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	603	2464	0.12	1.31	0.253	1.03	4.57	0.033	-0.02	3.78	0.052	
2	MC	1201	5008	-0.09	1.73	0.189	0.05	0.02	0.875	0.00	0.19	0.661	
3	MC	603	2464	-0.28	6.84	0.009	-1.55	8.49	0.004	0.03	5.88	0.015	Uniform<
4	MC	603	2464	0.04	0.16	0.686	-0.36	0.51	0.475	0.01	0.65	0.419	
5	MC	603	2464	0.40	18.07	0.000	1.48	10.57	0.001	-0.02	5.88	0.015	Uniform>
6	MC	1201	5008	0.18	5.39	0.020	0.25	0.51	0.475	0.00	0.04	0.839	
7	MC	603	2464	0.01	0.01	0.913	0.36	0.60	0.440	-0.01	0.59	0.444	
8	MC	603	2464	-0.34	12.89	0.000	-0.17	0.12	0.730	0.00	0.13	0.721	Uniform<
9	MC	603	2464	0.08	0.58	0.447	-1.23	4.98	0.026	0.03	5.82	0.016	
10	MC	603	2464	-0.29	9.18	0.002	-0.78	2.45	0.117	0.01	1.02	0.312	Uniform<
11	MC	603	2464	-0.01	0.02	0.890	1.40	8.84	0.003	-0.03	9.43	0.002	NonUniform
12	MC	1201	5008	-0.30	20.72	0.000	-0.46	1.90	0.168	0.00	0.22	0.637	Uniform<
13	MC	603	2464	-0.13	1.76	0.184	0.28	0.34	0.559	-0.01	0.75	0.388	
14	MC	603	2464	-0.33	9.55	0.002	-1.60	7.48	0.006	0.03	4.96	0.026	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.232: Logistic Regression DIF Results on Stage IV Listening Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1826	1241	-0.13	2.51	0.113	0.39	1.41	0.236	-0.01	2.70	0.100	
2	MC	3639	2570	-0.08	1.73	0.188	-0.76	10.16	0.001	0.01	8.74	0.003	NonUniform
3	MC	1826	1241	0.11	1.33	0.248	0.02	0.00	0.948	0.00	0.07	0.797	
4	MC	1826	1241	0.14	3.18	0.075	0.35	1.14	0.285	0.00	0.45	0.501	
5	MC	1826	1241	0.06	0.73	0.394	-0.69	4.84	0.028	0.01	6.14	0.013	
6	MC	3639	2570	0.05	0.68	0.408	-0.32	1.84	0.175	0.01	2.67	0.102	
7	MC	1826	1241	0.00	0.00	0.970	-0.59	3.55	0.059	0.01	3.81	0.051	
8	MC	1826	1241	0.21	7.23	0.007	1.18	12.68	0.000	-0.02	9.16	0.002	NonUniform
9	MC	1826	1241	0.11	1.64	0.200	-0.28	0.64	0.424	0.01	1.34	0.247	
10	MC	1826	1241	0.25	9.93	0.002	0.41	1.55	0.213	0.00	0.26	0.609	Uniform>
11	MC	1826	1241	-0.10	1.42	0.234	-0.35	1.05	0.305	0.01	0.58	0.445	
12	MC	3639	2570	-0.02	0.13	0.716	-0.34	2.38	0.123	0.01	2.25	0.134	
13	MC	1826	1241	-0.36	22.54	0.000	-0.50	2.41	0.121	0.00	0.19	0.663	Uniform<
14	MC	1826	1241	0.31	14.17	0.000	0.00	0.00	0.999	0.01	0.87	0.352	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.233: Logistic Regression DIF Results on Stage IV Listening Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1826	338	-0.29	4.49	0.034	-0.36	0.30	0.582	0.00	0.01	0.918	
2	MC	3639	678	-0.18	3.56	0.059	-0.94	4.37	0.037	0.02	2.98	0.084	
3	MC	1826	338	0.45	10.19	0.001	0.89	1.68	0.195	-0.01	0.43	0.514	Uniform>
4	MC	1826	338	0.16	1.59	0.207	1.09	2.78	0.095	-0.02	2.13	0.145	
5	MC	1826	338	0.00	0.00	1.000	-0.91	2.48	0.116	0.02	2.58	0.108	
6	MC	3639	678	-0.06	0.31	0.581	-1.35	8.88	0.003	0.03	8.75	0.003	NonUniform
7	MC	1826	338	0.05	0.15	0.701	-0.15	0.06	0.809	0.00	0.11	0.744	
8	MC	1826	338	0.40	10.66	0.001	1.59	5.95	0.015	-0.02	3.48	0.062	Uniform>
9	MC	1826	338	0.14	0.99	0.319	-0.45	0.45	0.501	0.01	0.81	0.368	
10	MC	1826	338	0.35	8.25	0.004	0.41	0.45	0.504	0.00	0.01	0.919	Uniform>
11	MC	1826	338	0.07	0.32	0.571	-0.77	1.57	0.211	0.02	1.95	0.162	
12	MC	3639	678	0.21	5.84	0.016	-0.25	0.38	0.537	0.01	1.32	0.250	
13	MC	1826	338	-0.17	2.04	0.154	-0.09	0.02	0.877	0.00	0.02	0.894	
14	MC	1826	338	0.42	9.24	0.002	1.86	6.53	0.011	-0.03	4.14	0.042	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.234: Logistic Regression DIF Results on Stage IV Listening Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	903	338	-0.21	1.94	0.164	-0.90	1.78	0.182	0.01	1.10	0.293	
2	MC	1892	678	-0.15	2.24	0.134	-0.21	0.21	0.648	0.00	0.01	0.904	
3	MC	903	338	0.48	9.72	0.002	1.00	2.06	0.152	-0.01	0.58	0.448	Uniform>
4	MC	903	338	0.02	0.03	0.857	0.88	1.74	0.187	-0.02	1.72	0.189	
5	MC	903	338	-0.09	0.45	0.501	-0.27	0.21	0.643	0.00	0.10	0.748	
6	MC	1892	678	-0.16	2.09	0.148	-1.22	7.01	0.008	0.02	5.69	0.017	
7	MC	903	338	0.06	0.21	0.650	0.54	0.78	0.377	-0.01	0.65	0.420	
8	MC	903	338	0.28	4.27	0.039	0.54	0.63	0.427	0.00	0.15	0.697	
9	MC	903	338	0.02	0.02	0.877	-0.20	0.09	0.766	0.00	0.12	0.734	
10	MC	903	338	0.15	1.31	0.253	0.02	0.00	0.971	0.00	0.04	0.836	
11	MC	903	338	0.23	2.86	0.091	-0.51	0.64	0.423	0.01	1.43	0.231	
12	MC	1892	678	0.31	11.08	0.001	0.12	0.08	0.782	0.00	0.22	0.637	Uniform>
13	MC	903	338	0.26	4.01	0.045	0.51	0.68	0.411	0.00	0.17	0.684	
14	MC	903	338	0.15	0.97	0.324	2.20	8.85	0.003	-0.04	8.24	0.004	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.235: Logistic Regression DIF Results on Stage IV Listening Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	75	338	0.11	0.13	0.723	-0.75	0.34	0.561	0.02	0.46	0.497	
2	MC	108	678	0.19	0.67	0.412	0.40	0.15	0.702	0.00	0.04	0.839	
3	MC	75	338	0.46	2.15	0.142	0.49	0.14	0.710	0.00	0.00	0.983	
4	MC	75	338	0.28	1.02	0.313	0.21	0.03	0.874	0.00	0.00	0.961	
5	MC	75	338	0.17	0.44	0.509	-0.48	0.16	0.688	0.01	0.32	0.573	
6	MC	108	678	-0.18	0.57	0.450	-2.16	3.54	0.060	0.04	3.08	0.079	
7	MC	75	338	0.28	1.18	0.278	4.17	11.73	0.001	-0.08	10.80	0.001	NonUniform
8	MC	75	338	0.24	0.76	0.383	0.44	0.11	0.739	0.00	0.02	0.876	
9	MC	75	338	0.39	1.68	0.194	-0.54	0.16	0.689	0.02	0.50	0.477	
10	MC	75	338	-0.21	0.59	0.441	0.98	0.66	0.415	-0.02	1.02	0.313	
11	MC	75	338	0.69	5.84	0.016	1.00	0.69	0.406	-0.01	0.07	0.793	
12	MC	108	678	-0.38	3.03	0.082	-0.01	0.00	0.995	-0.01	0.13	0.717	
13	MC	75	338	0.25	0.90	0.342	-0.53	0.17	0.677	0.02	0.40	0.529	
14	MC	75	338	0.45	2.28	0.131	1.38	0.96	0.328	-0.02	0.45	0.504	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.236: Logistic Regression DIF Results on Stage IV Listening Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	6632	3067	-0.01	0.01	0.935	-0.10	0.13	0.723	0.00	0.12	0.730	
2	MC	13284	6209	0.13	7.67	0.006	0.06	0.07	0.791	0.00	0.11	0.737	Uniform>
3	MC	6632	3067	-0.09	1.48	0.224	-0.23	0.54	0.462	0.00	0.22	0.642	
4	MC	6632	3067	-0.18	11.33	0.001	-0.46	3.49	0.062	0.00	1.39	0.238	Uniform<
5	MC	6632	3067	-0.33	39.73	0.000	-0.20	0.65	0.419	0.00	0.33	0.563	Uniform<
6	MC	13284	6209	-0.04	0.69	0.405	1.04	22.51	0.000	-0.02	25.67	0.000	NonUniform
7	MC	6632	3067	0.06	1.18	0.278	-0.20	0.63	0.428	0.00	1.11	0.293	
8	MC	6632	3067	-0.16	9.07	0.003	-2.11	64.96	0.000	0.03	58.32	0.000	NonUniform
9	MC	6632	3067	-0.32	24.06	0.000	0.69	5.89	0.015	-0.02	13.18	0.000	NonUniform
10	MC	6632	3067	-0.13	5.11	0.024	-1.26	22.42	0.000	0.02	19.06	0.000	NonUniform
11	MC	6632	3067	-0.11	3.51	0.061	-1.35	22.52	0.000	0.02	19.92	0.000	NonUniform
12	MC	13284	6209	-0.10	6.59	0.010	-1.45	59.64	0.000	0.02	54.28	0.000	NonUniform
13	MC	6632	3067	-0.13	5.72	0.017	-2.17	69.86	0.000	0.03	65.23	0.000	NonUniform
14	MC	6632	3067	-0.13	5.93	0.015	-1.65	39.69	0.000	0.03	35.18	0.000	NonUniform

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.237: Logistic Regression DIF Results on Stage IV Listening Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	2	9697	-1.62	0.96	0.328	-31.32	0.00	0.961	0.45	0.00	0.958	
2	MC	10	19483	-0.01	0.00	0.987	-1.13	0.06	0.802	0.02	0.06	0.802	
3	MC	2	9697	9.99	0.00	0.965	12.40	0.00	0.982	-0.05	0.00	0.995	
4	MC	2	9697	-0.07	0.00	0.961	-30.77	0.00	0.959	0.47	0.00	0.957	
5	MC	2	9697	11.54	0.00	0.952	12.79	0.00	0.983	-0.02	0.00	0.998	
6	MC	10	19483	-0.83	1.34	0.246	3.87	1.05	0.306	-0.08	1.71	0.191	
7	MC	2	9697	10.92	0.00	0.952	13.33	0.00	0.983	-0.04	0.00	0.996	
8	MC	2	9697	-0.57	0.11	0.736	-30.28	0.00	0.961	0.46	0.00	0.959	
9	MC	2	9697	10.29	0.00	0.959	12.43	0.00	0.978	-0.05	0.00	0.994	
10	MC	2	9697	-1.00	0.35	0.553	-31.22	0.00	0.964	0.46	0.00	0.962	
11	MC	2	9697	10.55	0.00	0.953	14.50	0.00	0.983	-0.07	0.00	0.995	
12	MC	10	19483	-0.75	1.27	0.260	-1.24	0.10	0.756	0.01	0.02	0.900	
13	MC	2	9697	-0.49	0.09	0.768	-30.23	0.00	0.960	0.46	0.00	0.959	
14	MC	2	9697	-10.95	0.00	0.955	-8.65	0.00	0.989	-0.03	0.00	0.997	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.238: Logistic Regression DIF Results on Stage IV Speaking Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1202	1861	-0.18	3.14	0.077	0.13	0.14	0.705	-0.01	0.90	0.342	
64	SA4	1202	1861	-0.05	0.45	0.502	0.05	0.03	0.873	0.00	0.11	0.735	
65	SA4	2540	3664	-0.33	44.57	0.000	-0.39	3.61	0.058	0.00	0.08	0.780	Uniform<
66	SA4	1202	1861	-0.07	0.78	0.377	-0.31	0.90	0.342	0.00	0.57	0.450	
67	SA4	2540	3664	-0.42	52.24	0.000	-0.45	3.59	0.058	0.00	0.02	0.889	Uniform<
68	SA4	1202	1861	0.12	2.72	0.099	-0.47	2.17	0.141	0.01	3.67	0.055	
69	SA4	1202	1861	-0.19	5.35	0.021	-0.77	4.40	0.036	0.01	2.63	0.105	
70	SA4	1202	1861	-0.37	12.88	0.000	0.04	0.02	0.893	-0.01	1.71	0.192	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.239: Logistic Regression DIF Results on Stage IV Speaking Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	2416	651	-0.10	0.77	0.380	-0.68	3.06	0.080	0.01	2.43	0.119	
64	SA4	2416	651	0.22	6.19	0.013	-0.22	0.43	0.513	0.01	1.85	0.174	
65	SA4	4855	1354	0.11	3.28	0.070	0.79	10.77	0.001	-0.01	8.63	0.003	NonUniform
66	SA4	2416	651	0.19	4.03	0.045	0.07	0.04	0.851	0.00	0.11	0.736	
67	SA4	4855	1354	0.42	41.48	0.000	-0.18	0.44	0.507	0.01	5.57	0.018	Uniform>
68	SA4	2416	651	0.39	19.45	0.000	-0.17	0.23	0.632	0.01	2.61	0.106	Uniform>
69	SA4	2416	651	0.19	3.84	0.050	-1.25	10.31	0.001	0.03	14.59	0.000	NonUniform
70	SA4	2416	651	-0.16	1.72	0.189	-1.11	8.63	0.003	0.02	7.00	0.008	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.240: Logistic Regression DIF Results on Stage IV Speaking Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	321	2746	0.06	0.13	0.723	-0.57	0.98	0.322	0.01	1.26	0.263	
64	SA4	321	2746	-0.12	1.12	0.290	-0.90	3.06	0.080	0.02	2.42	0.120	
65	SA4	609	5600	0.04	0.19	0.659	-0.27	0.54	0.461	0.01	0.74	0.391	
66	SA4	321	2746	-0.20	2.78	0.096	-1.31	5.50	0.019	0.02	4.08	0.043	
67	SA4	609	5600	-0.14	2.17	0.141	0.28	0.50	0.480	-0.01	1.15	0.284	
68	SA4	321	2746	-0.46	16.23	0.000	-0.56	1.06	0.303	0.00	0.03	0.863	Uniform<
69	SA4	321	2746	-0.30	6.03	0.014	0.06	0.01	0.920	-0.01	0.39	0.531	
70	SA4	321	2746	0.36	4.92	0.027	0.88	2.39	0.122	-0.01	0.88	0.349	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.241: Logistic Regression DIF Results on Stage IV Speaking Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	603	2464	0.86	39.99	0.000	0.53	0.91	0.341	0.01	0.38	0.538	Uniform>
64	SA4	603	2464	0.34	14.15	0.000	-0.41	0.87	0.351	0.02	3.04	0.081	Uniform>
65	SA4	1201	5008	0.34	30.34	0.000	0.01	0.00	0.981	0.01	1.37	0.242	Uniform>
66	SA4	603	2464	0.12	1.69	0.193	-0.25	0.28	0.595	0.01	0.65	0.420	
67	SA4	1201	5008	0.49	48.51	0.000	0.01	0.00	0.968	0.01	2.05	0.152	Uniform>
68	SA4	603	2464	0.51	31.39	0.000	0.25	0.30	0.586	0.01	0.34	0.559	Uniform>
69	SA4	603	2464	0.61	37.59	0.000	0.53	1.09	0.297	0.00	0.03	0.874	Uniform>
70	SA4	603	2464	0.85	41.08	0.000	0.94	3.02	0.082	0.00	0.03	0.864	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.242: Logistic Regression DIF Results on Stage IV Speaking Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1826	1241	-0.02	0.06	0.810	-0.01	0.00	0.980	0.00	0.00	0.960	
64	SA4	1826	1241	0.13	3.05	0.081	-0.26	0.80	0.371	0.01	1.92	0.166	
65	SA4	3639	2570	0.00	0.00	0.967	0.46	5.24	0.022	-0.01	5.67	0.017	
66	SA4	1826	1241	0.13	2.53	0.111	0.27	0.72	0.395	0.00	0.22	0.642	
67	SA4	3639	2570	0.25	18.46	0.000	-0.41	3.14	0.076	0.01	8.65	0.003	NonUniform
68	SA4	1826	1241	0.33	20.06	0.000	-0.73	5.66	0.017	0.02	12.75	0.000	NonUniform
69	SA4	1826	1241	0.21	6.70	0.010	-1.42	16.70	0.000	0.03	23.18	0.000	NonUniform
70	SA4	1826	1241	-0.21	4.34	0.037	-0.12	0.14	0.706	0.00	0.09	0.766	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.243: Logistic Regression DIF Results on Stage IV Speaking Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1826	338	-0.58	10.13	0.001	-0.19	0.09	0.765	-0.01	0.38	0.537	Uniform<
64	SA4	1826	338	0.03	0.07	0.796	-0.15	0.07	0.792	0.00	0.11	0.745	
65	SA4	3639	678	-0.17	4.37	0.037	0.39	1.04	0.307	-0.01	2.22	0.136	
66	SA4	1826	338	0.01	0.01	0.905	-0.43	0.49	0.482	0.01	0.55	0.459	
67	SA4	3639	678	-0.03	0.08	0.776	-0.78	3.23	0.072	0.02	3.17	0.075	
68	SA4	1826	338	0.21	3.30	0.069	-2.05	13.21	0.000	0.04	16.87	0.000	NonUniform
69	SA4	1826	338	0.13	0.98	0.323	-1.91	9.06	0.003	0.04	10.78	0.001	NonUniform
70	SA4	1826	338	-0.82	19.87	0.000	-2.16	10.71	0.001	0.03	4.35	0.037	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.244: Logistic Regression DIF Results on Stage IV Speaking Items for the Non-Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	903	338	-0.72	14.46	0.000	-0.22	0.11	0.739	-0.01	0.63	0.427	Uniform<
64	SA4	903	338	-0.14	1.30	0.254	0.11	0.04	0.849	-0.01	0.20	0.651	
65	SA4	1892	678	-0.22	6.51	0.011	-0.08	0.05	0.831	0.00	0.13	0.719	
66	SA4	903	338	-0.15	1.19	0.275	-0.82	1.69	0.193	0.01	1.18	0.277	
67	SA4	1892	678	-0.39	16.29	0.000	-0.46	1.14	0.285	0.00	0.03	0.869	Uniform<
68	SA4	903	338	-0.19	2.26	0.133	-1.61	7.77	0.005	0.03	6.36	0.012	
69	SA4	903	338	-0.18	1.69	0.194	-0.66	1.03	0.311	0.01	0.58	0.448	
70	SA4	903	338	-0.69	13.30	0.000	-1.96	9.05	0.003	0.03	4.11	0.043	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.245: Logistic Regression DIF Results on Stage IV Speaking Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	75	338	-0.68	4.23	0.040	-1.05	0.66	0.417	0.01	0.09	0.767	
64	SA4	75	338	-0.62	5.87	0.015	-1.30	1.36	0.243	0.01	0.40	0.529	
65	SA4	108	678	0.17	0.70	0.404	-0.60	0.39	0.531	0.02	0.67	0.413	
66	SA4	75	338	-0.25	0.92	0.338	-3.18	5.76	0.016	0.06	5.03	0.025	
67	SA4	108	678	0.05	0.04	0.834	-0.98	0.88	0.348	0.02	1.00	0.318	
68	SA4	75	338	-0.59	5.53	0.019	-3.88	8.73	0.003	0.07	6.49	0.011	
69	SA4	75	338	-0.61	5.62	0.018	-1.56	1.52	0.218	0.02	0.58	0.446	
70	SA4	75	338	-0.47	1.93	0.165	-1.00	0.58	0.445	0.01	0.17	0.678	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.246: Logistic Regression DIF Results on Stage IV Speaking Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	6632	3067	-0.12	1.94	0.164	2.29	46.91	0.000	-0.04	55.87	0.000	NonUniform
64	SA4	6632	3067	-0.23	19.53	0.000	0.52	4.79	0.029	-0.01	10.39	0.001	NonUniform
65	SA4	13284	6209	-0.02	0.21	0.646	0.87	26.89	0.000	-0.01	29.00	0.000	NonUniform
66	SA4	6632	3067	0.00	0.01	0.942	1.02	13.04	0.000	-0.02	13.62	0.000	NonUniform
67	SA4	13284	6209	-0.27	34.72	0.000	0.68	10.58	0.001	-0.02	21.35	0.000	NonUniform
68	SA4	6632	3067	-0.27	25.13	0.000	1.38	31.35	0.000	-0.03	46.44	0.000	NonUniform
69	SA4	6632	3067	-0.26	18.52	0.000	1.28	19.17	0.000	-0.03	28.78	0.000	NonUniform
70	SA4	6632	3067	0.24	7.95	0.005	0.87	7.97	0.005	-0.01	4.43	0.035	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.247: Logistic Regression DIF Results on Stage IV Speaking Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	2	9697	0.51	0.08	0.775	6.85	0.49	0.484	-0.10	0.47	0.494	
64	SA4	2	9697	0.44	0.07	0.795	-1.15	0.04	0.841	0.03	0.09	0.770	
65	SA4	10	19483	-0.65	1.14	0.285	1.47	0.22	0.640	-0.03	0.48	0.489	
66	SA4	2	9697	1.68	1.14	0.285	8.62	1.01	0.315	-0.11	0.73	0.393	
67	SA4	10	19483	0.49	0.29	0.589	-2.78	0.59	0.443	0.06	0.97	0.324	
68	SA4	2	9697	1.77	1.45	0.229	7.44	1.37	0.242	-0.09	0.89	0.346	
69	SA4	2	9697	2.95	1.47	0.225	9.76	0.39	0.532	-0.10	0.21	0.645	
70	SA4	2	9697	-0.41	0.08	0.776	9.08	0.81	0.369	-0.15	0.98	0.322	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.248: Logistic Regression DIF Results on Stage V Reading Items for the Male/Female Comparison

Focal Group: Male; Reference Group: Female													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2309	2919	-0.22	14.04	0.000	0.32	2.19	0.139	-0.01	6.72	0.010	NonUniform
16	MC	1118	1363	-0.21	2.42	0.120	-0.20	0.23	0.634	0.00	0.00	0.997	
17	MC	1118	1363	0.12	1.79	0.181	-0.09	0.06	0.806	0.00	0.33	0.566	
18	MC	1118	1363	-0.25	5.38	0.020	-0.38	0.97	0.324	0.00	0.12	0.726	
19	MC	2309	2919	-0.34	26.69	0.000	0.21	0.66	0.417	-0.01	4.76	0.029	Uniform<
20	MC	1118	1363	-0.07	0.27	0.605	0.83	3.27	0.070	-0.02	4.27	0.039	
21	MC	2309	2919	0.12	4.41	0.036	-0.32	1.71	0.191	0.01	3.53	0.060	
22	MC	2309	2919	0.10	3.14	0.077	-0.10	0.17	0.683	0.00	0.73	0.394	
23	MC	2309	2919	0.40	29.36	0.000	0.43	2.20	0.138	0.00	0.01	0.939	Uniform>
24	MC	2309	2919	0.10	2.66	0.103	-0.20	0.60	0.437	0.01	1.41	0.236	
25	MC	1118	1363	-0.01	0.01	0.905	-0.39	1.06	0.303	0.01	1.07	0.302	
26	MC	1118	1363	0.03	0.11	0.744	-0.27	0.55	0.460	0.01	0.73	0.392	
27	MC	1118	1363	0.20	5.02	0.025	-0.18	0.27	0.604	0.01	1.27	0.259	
28	MC	1118	1363	0.05	0.31	0.575	-0.19	0.24	0.626	0.00	0.40	0.529	
29	MC	1118	1363	-0.27	8.99	0.003	-0.25	0.42	0.518	0.00	0.00	0.967	Uniform<
30	MC	1118	1363	0.22	5.19	0.023	0.16	0.21	0.649	0.00	0.03	0.866	
31	MC	1118	1363	0.49	16.39	0.000	1.28	9.66	0.002	-0.02	4.07	0.044	Uniform>
32	MC	1118	1363	0.10	1.43	0.232	-0.41	1.31	0.253	0.01	2.17	0.141	
33	MC	1118	1363	0.14	2.57	0.109	-0.15	0.21	0.646	0.01	0.84	0.360	
34	MC	1118	1363	0.09	1.24	0.266	-0.61	3.75	0.053	0.01	5.35	0.021	
35	MC	1118	1363	0.08	0.76	0.384	-0.04	0.01	0.907	0.00	0.11	0.740	
36	MC	1118	1363	-0.01	0.02	0.878	-1.09	11.65	0.001	0.02	12.26	0.000	NonUniform
37	MC	1118	1363	0.15	3.39	0.066	0.43	1.74	0.187	0.00	0.76	0.384	
38	MC	1118	1363	0.14	2.56	0.109	-0.04	0.02	0.898	0.00	0.30	0.583	
39	MC	1118	1363	0.18	4.26	0.039	-1.19	9.88	0.002	0.02	13.89	0.000	NonUniform
40	MC	1118	1363	-0.02	0.03	0.862	0.27	0.53	0.466	0.00	0.63	0.428	
41	MC	1118	1363	0.15	2.81	0.094	-0.38	1.06	0.304	0.01	2.17	0.141	
42	MC	1118	1363	0.15	2.81	0.093	-0.26	0.47	0.494	0.01	1.24	0.266	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.249: Logistic Regression DIF Results on Stage V Reading Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	3482	1748	0.04	0.47	0.493	0.72	10.00	0.002	-0.01	9.54	0.002	NonUniform
16	MC	1549	933	0.92	48.42	0.000	1.32	9.40	0.002	-0.01	0.95	0.329	Uniform>
17	MC	1549	933	0.07	0.64	0.424	0.68	3.09	0.079	-0.01	2.62	0.106	
18	MC	1549	933	-0.36	10.12	0.001	-0.23	0.36	0.549	0.00	0.12	0.725	Uniform<
19	MC	3482	1748	-0.44	39.70	0.000	0.78	7.68	0.006	-0.02	20.10	0.000	NonUniform
20	MC	1549	933	-0.49	11.19	0.001	-0.58	1.58	0.209	0.00	0.04	0.841	Uniform<
21	MC	3482	1748	0.30	23.30	0.000	1.09	17.63	0.000	-0.01	9.90	0.002	NonUniform
22	MC	3482	1748	0.09	2.05	0.152	0.19	0.51	0.475	0.00	0.15	0.702	
23	MC	3482	1748	-0.26	11.21	0.001	0.12	0.16	0.694	-0.01	1.75	0.186	Uniform<
24	MC	3482	1748	0.17	7.53	0.006	-0.25	0.89	0.345	0.01	2.69	0.101	Uniform>
25	MC	1549	933	-0.27	8.82	0.003	-0.61	2.79	0.095	0.01	0.94	0.332	Uniform<
26	MC	1549	933	0.08	0.58	0.446	-0.51	2.01	0.156	0.01	2.87	0.090	
27	MC	1549	933	0.01	0.03	0.874	-0.94	7.62	0.006	0.02	8.45	0.004	NonUniform
28	MC	1549	933	-0.22	5.84	0.016	0.66	2.67	0.103	-0.01	5.02	0.025	
29	MC	1549	933	0.15	2.82	0.093	0.13	0.11	0.735	0.00	0.00	0.954	
30	MC	1549	933	-0.12	1.37	0.242	0.99	7.09	0.008	-0.02	9.55	0.002	NonUniform
31	MC	1549	933	-0.28	5.38	0.020	-0.18	0.20	0.656	0.00	0.06	0.802	
32	MC	1549	933	0.09	0.96	0.328	-0.30	0.71	0.399	0.01	1.26	0.261	
33	MC	1549	933	0.63	50.31	0.000	-0.84	6.70	0.010	0.03	21.95	0.000	NonUniform
34	MC	1549	933	0.30	12.61	0.000	0.29	0.85	0.358	0.00	0.00	0.959	Uniform>
35	MC	1549	933	0.33	13.30	0.000	0.82	4.72	0.030	-0.01	1.81	0.178	Uniform>
36	MC	1549	933	0.08	0.80	0.372	0.26	0.71	0.399	0.00	0.39	0.532	
37	MC	1549	933	-0.20	5.51	0.019	-0.72	5.04	0.025	0.01	2.81	0.094	
38	MC	1549	933	-0.26	8.38	0.004	-0.94	7.41	0.006	0.01	4.13	0.042	Uniform<
39	MC	1549	933	-0.06	0.43	0.510	-0.79	4.71	0.030	0.01	4.28	0.038	
40	MC	1549	933	-0.06	0.50	0.478	0.32	0.74	0.390	-0.01	1.13	0.287	
41	MC	1549	933	0.06	0.43	0.514	0.27	0.52	0.470	0.00	0.34	0.561	
42	MC	1549	933	0.21	5.58	0.018	-0.47	1.63	0.202	0.01	3.66	0.056	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.250: Logistic Regression DIF Results on Stage V Reading Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	321	4909	0.40	8.86	0.003	0.00	0.00	0.999	0.01	0.52	0.469	Uniform>
16	MC	165	2317	0.71	2.85	0.091	0.89	0.38	0.538	0.00	0.02	0.897	
17	MC	165	2317	0.20	1.46	0.228	0.24	0.07	0.789	0.00	0.00	0.970	
18	MC	165	2317	0.15	0.35	0.552	-1.81	1.80	0.180	0.04	2.16	0.142	
19	MC	321	4909	1.28	45.22	0.000	1.02	1.93	0.164	0.00	0.13	0.721	Uniform>
20	MC	165	2317	0.70	2.29	0.130	3.33	4.48	0.034	-0.05	3.51	0.061	
21	MC	321	4909	-0.38	9.60	0.002	-1.14	3.17	0.075	0.01	1.47	0.225	Uniform<
22	MC	321	4909	-0.08	0.49	0.483	-2.93	14.27	0.000	0.05	13.92	0.000	NonUniform
23	MC	321	4909	-0.24	2.39	0.122	-0.48	0.41	0.524	0.00	0.10	0.748	
24	MC	321	4909	-0.05	0.15	0.698	-1.63	5.45	0.020	0.03	5.36	0.021	
25	MC	165	2317	-0.05	0.07	0.787	-2.12	3.78	0.052	0.03	3.71	0.054	
26	MC	165	2317	-0.12	0.33	0.568	-1.53	1.81	0.178	0.02	1.59	0.208	
27	MC	165	2317	-0.16	0.78	0.377	-3.27	7.51	0.006	0.05	6.92	0.009	NonUniform
28	MC	165	2317	0.50	7.91	0.005	-3.30	6.56	0.010	0.06	8.79	0.003	NonUniform
29	MC	165	2317	-0.11	0.42	0.516	-2.22	3.98	0.046	0.03	3.69	0.055	
30	MC	165	2317	-0.54	7.77	0.005	-3.00	5.91	0.015	0.04	4.04	0.044	Uniform<
31	MC	165	2317	-0.41	2.63	0.105	-2.40	2.75	0.097	0.04	1.92	0.165	
32	MC	165	2317	-0.04	0.06	0.809	0.18	0.04	0.837	0.00	0.07	0.797	
33	MC	165	2317	-0.43	6.28	0.012	-3.34	9.17	0.002	0.05	7.14	0.008	NonUniform
34	MC	165	2317	-0.28	2.94	0.087	-1.82	3.97	0.046	0.02	2.95	0.086	
35	MC	165	2317	0.26	2.29	0.130	-2.79	5.71	0.017	0.05	6.98	0.008	NonUniform
36	MC	165	2317	-0.21	1.55	0.213	-2.35	6.05	0.014	0.03	5.23	0.022	
37	MC	165	2317	-0.34	4.06	0.044	-0.56	0.41	0.525	0.00	0.06	0.801	
38	MC	165	2317	-0.13	0.55	0.458	-0.10	0.01	0.910	0.00	0.00	0.974	
39	MC	165	2317	-0.55	10.16	0.001	-1.76	2.82	0.093	0.02	1.37	0.242	Uniform<
40	MC	165	2317	0.04	0.06	0.805	-2.29	4.67	0.031	0.04	5.02	0.025	
41	MC	165	2317	-0.27	2.29	0.130	-4.09	10.68	0.001	0.06	9.83	0.002	NonUniform
42	MC	165	2317	-0.75	18.31	0.000	-1.34	1.72	0.189	0.01	0.35	0.556	Uniform<

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.251: Logistic Regression DIF Results on Stage V Reading Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	634	4596	0.19	4.36	0.037	-1.30	7.48	0.006	0.03	10.12	0.001	NonUniform
16	MC	294	2188	-0.04	0.04	0.834	-0.01	0.00	0.995	0.00	0.00	0.966	
17	MC	294	2188	-0.25	3.29	0.070	-0.86	1.15	0.283	0.01	0.60	0.438	
18	MC	294	2188	-0.54	13.64	0.000	-0.76	1.01	0.315	0.00	0.08	0.774	Uniform<
19	MC	634	4596	0.86	64.84	0.000	-0.35	0.40	0.527	0.02	4.83	0.028	Uniform>
20	MC	294	2188	0.25	1.23	0.267	1.02	1.24	0.266	-0.02	0.76	0.383	
21	MC	634	4596	-0.57	41.43	0.000	-0.46	0.91	0.339	0.00	0.05	0.822	Uniform<
22	MC	634	4596	-0.44	23.90	0.000	-0.36	0.52	0.470	0.00	0.03	0.873	Uniform<
23	MC	634	4596	-0.66	44.86	0.000	-1.20	4.67	0.031	0.01	0.98	0.323	Uniform<
24	MC	634	4596	-0.36	14.79	0.000	0.12	0.06	0.814	-0.01	0.91	0.340	Uniform<
25	MC	294	2188	-0.20	2.26	0.132	-0.83	1.18	0.277	0.01	0.71	0.400	
26	MC	294	2188	-0.01	0.00	0.962	0.74	1.17	0.279	-0.01	1.25	0.263	
27	MC	294	2188	-0.27	4.45	0.035	-0.55	0.62	0.432	0.01	0.16	0.688	
28	MC	294	2188	-0.35	6.56	0.010	-1.14	1.84	0.174	0.01	0.91	0.339	
29	MC	294	2188	0.03	0.07	0.790	0.53	0.56	0.453	-0.01	0.51	0.476	
30	MC	294	2188	-0.98	53.11	0.000	-1.00	1.89	0.170	0.00	0.00	0.983	Uniform<
31	MC	294	2188	-0.77	24.18	0.000	-0.96	1.46	0.227	0.00	0.06	0.800	Uniform<
32	MC	294	2188	-0.21	2.49	0.114	0.67	0.93	0.336	-0.02	1.65	0.199	
33	MC	294	2188	-0.93	50.73	0.000	-0.95	1.79	0.180	0.00	0.00	0.986	Uniform<
34	MC	294	2188	-0.32	6.48	0.011	-1.08	2.54	0.111	0.01	1.30	0.254	
35	MC	294	2188	-0.74	28.18	0.000	-0.45	0.33	0.565	-0.01	0.14	0.707	Uniform<
36	MC	294	2188	-0.56	18.87	0.000	-0.74	1.18	0.277	0.00	0.07	0.791	Uniform<
37	MC	294	2188	-0.24	3.48	0.062	0.12	0.03	0.858	-0.01	0.31	0.580	
38	MC	294	2188	-0.55	17.47	0.000	0.08	0.01	0.909	-0.01	0.86	0.354	Uniform<
39	MC	294	2188	-0.56	17.00	0.000	0.10	0.02	0.894	-0.01	0.82	0.366	Uniform<
40	MC	294	2188	-0.17	1.67	0.197	-0.20	0.07	0.790	0.00	0.00	0.974	
41	MC	294	2188	-0.20	2.05	0.152	0.18	0.05	0.817	-0.01	0.26	0.611	
42	MC	294	2188	-0.31	5.51	0.019	-1.30	2.69	0.101	0.02	1.61	0.204	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.252: Logistic Regression DIF Results on Stage V Reading Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2146	3084	-0.06	0.92	0.338	0.63	7.91	0.005	-0.01	10.15	0.001	NonUniform
16	MC	879	1603	0.85	31.60	0.000	0.75	2.47	0.116	0.00	0.04	0.840	Uniform>
17	MC	879	1603	0.08	0.86	0.354	0.32	0.64	0.423	0.00	0.37	0.546	
18	MC	879	1603	-0.23	4.22	0.040	0.05	0.02	0.896	-0.01	0.52	0.473	
19	MC	2146	3084	-0.62	90.69	0.000	0.64	6.07	0.014	-0.02	24.99	0.000	NonUniform
20	MC	879	1603	-0.27	3.40	0.065	0.22	0.20	0.653	-0.01	1.10	0.295	
21	MC	2146	3084	0.33	29.74	0.000	0.87	12.60	0.000	-0.01	5.22	0.022	Uniform>
22	MC	2146	3084	0.13	5.14	0.023	0.20	0.65	0.420	0.00	0.08	0.777	
23	MC	2146	3084	-0.07	0.89	0.346	-0.29	0.98	0.321	0.00	0.61	0.435	
24	MC	2146	3084	0.17	7.76	0.005	0.00	0.00	0.986	0.00	0.40	0.525	Uniform>
25	MC	879	1603	-0.14	2.57	0.109	-0.88	4.57	0.033	0.01	3.37	0.067	
26	MC	879	1603	0.01	0.01	0.919	-0.38	0.95	0.330	0.01	1.07	0.302	
27	MC	879	1603	0.02	0.04	0.834	-0.65	2.94	0.086	0.01	3.31	0.069	
28	MC	879	1603	-0.35	14.41	0.000	0.50	1.46	0.228	-0.01	4.41	0.036	Uniform<
29	MC	879	1603	0.13	2.08	0.149	0.32	0.65	0.419	0.00	0.24	0.621	
30	MC	879	1603	0.05	0.30	0.587	-0.17	0.19	0.663	0.00	0.36	0.550	
31	MC	879	1603	-0.13	1.18	0.278	-0.66	2.14	0.144	0.01	1.48	0.224	
32	MC	879	1603	-0.04	0.18	0.669	0.00	0.00	0.990	0.00	0.01	0.929	
33	MC	879	1603	0.41	19.92	0.000	-0.99	7.11	0.008	0.03	15.00	0.000	NonUniform
34	MC	879	1603	0.30	12.03	0.001	0.20	0.36	0.546	0.00	0.09	0.765	Uniform>
35	MC	879	1603	0.31	11.97	0.001	0.48	1.53	0.216	0.00	0.19	0.660	Uniform>
36	MC	879	1603	-0.05	0.41	0.522	-0.45	1.71	0.191	0.01	1.41	0.235	
37	MC	879	1603	0.01	0.02	0.899	-0.44	1.54	0.214	0.01	1.73	0.188	
38	MC	879	1603	-0.12	1.74	0.188	-0.91	5.51	0.019	0.01	4.41	0.036	
39	MC	879	1603	0.06	0.46	0.496	-0.28	0.50	0.481	0.01	0.78	0.378	
40	MC	879	1603	-0.07	0.56	0.455	0.93	5.97	0.015	-0.02	7.24	0.007	NonUniform
41	MC	879	1603	0.15	2.55	0.110	0.56	2.07	0.150	-0.01	1.19	0.276	
42	MC	879	1603	0.20	4.65	0.031	-0.01	0.00	0.973	0.00	0.29	0.587	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.253: Logistic Regression DIF Results on Stage V Reading Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2146	661	0.12	1.65	0.198	0.73	3.41	0.065	-0.01	2.53	0.112	
16	MC	879	353	0.68	10.00	0.002	0.61	0.65	0.418	0.00	0.01	0.932	Uniform>
17	MC	879	353	0.07	0.27	0.603	0.15	0.06	0.807	0.00	0.02	0.892	
18	MC	879	353	-0.20	1.47	0.225	-0.56	0.76	0.383	0.01	0.34	0.560	
19	MC	2146	661	-0.66	40.80	0.000	0.28	0.37	0.545	-0.02	4.35	0.037	Uniform<
20	MC	879	353	0.06	0.07	0.785	1.01	1.49	0.222	-0.02	1.41	0.236	
21	MC	2146	661	0.34	13.41	0.000	0.45	1.16	0.281	0.00	0.08	0.780	Uniform>
22	MC	2146	661	0.21	5.05	0.025	0.34	0.58	0.444	0.00	0.09	0.764	
23	MC	2146	661	0.23	4.18	0.041	-0.01	0.00	0.976	0.00	0.25	0.615	
24	MC	2146	661	0.26	7.17	0.007	0.65	1.85	0.174	-0.01	0.71	0.400	Uniform>
25	MC	879	353	0.04	0.09	0.767	-0.59	0.84	0.360	0.01	1.00	0.317	
26	MC	879	353	-0.01	0.01	0.922	-0.81	1.79	0.181	0.02	1.84	0.175	
27	MC	879	353	0.19	1.91	0.167	0.00	0.00	0.996	0.00	0.10	0.756	
28	MC	879	353	-0.03	0.04	0.848	0.53	0.62	0.432	-0.01	0.71	0.398	
29	MC	879	353	0.10	0.60	0.439	-0.33	0.28	0.594	0.01	0.52	0.472	
30	MC	879	353	0.28	3.65	0.056	-0.39	0.41	0.520	0.01	1.30	0.254	
31	MC	879	353	0.12	0.44	0.507	-0.56	0.66	0.418	0.01	1.02	0.312	
32	MC	879	353	-0.05	0.16	0.692	-0.40	0.45	0.501	0.01	0.36	0.550	
33	MC	879	353	0.39	8.28	0.004	-1.42	6.43	0.011	0.03	11.10	0.001	NonUniform
34	MC	879	353	0.14	1.26	0.262	-0.05	0.01	0.929	0.00	0.14	0.711	
35	MC	879	353	0.36	7.42	0.006	0.46	0.55	0.457	0.00	0.03	0.873	Uniform>
36	MC	879	353	-0.09	0.51	0.473	-0.41	0.57	0.452	0.01	0.36	0.549	
37	MC	879	353	0.16	1.49	0.222	-0.42	0.54	0.461	0.01	1.10	0.295	
38	MC	879	353	0.00	0.00	0.988	-0.97	2.70	0.100	0.02	2.84	0.092	
39	MC	879	353	0.28	4.15	0.042	0.20	0.09	0.763	0.00	0.02	0.897	
40	MC	879	353	-0.17	1.69	0.194	1.79	7.41	0.006	-0.03	9.39	0.002	NonUniform
41	MC	879	353	0.24	2.90	0.089	0.18	0.08	0.771	0.00	0.01	0.927	
42	MC	879	353	0.24	3.16	0.075	0.50	0.60	0.440	0.00	0.17	0.682	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.254: Logistic Regression DIF Results on Stage V Reading Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	2423	661	0.24	6.89	0.009	0.13	0.11	0.739	0.00	0.09	0.758	Uniform>
16	MC	1250	353	-0.23	1.46	0.227	-0.16	0.05	0.815	0.00	0.01	0.922	
17	MC	1250	353	-0.02	0.03	0.867	-0.20	0.11	0.735	0.00	0.10	0.757	
18	MC	1250	353	0.03	0.05	0.832	-0.74	1.53	0.216	0.02	1.82	0.178	
19	MC	2423	661	-0.06	0.31	0.580	-0.43	0.89	0.345	0.01	0.70	0.403	
20	MC	1250	353	0.46	4.99	0.025	0.88	1.25	0.263	-0.01	0.31	0.579	
21	MC	2423	661	0.03	0.11	0.746	-0.49	1.41	0.236	0.01	1.66	0.197	
22	MC	2423	661	0.10	1.10	0.295	0.17	0.16	0.694	0.00	0.03	0.861	
23	MC	2423	661	0.38	11.78	0.001	0.30	0.40	0.529	0.00	0.03	0.862	Uniform>
24	MC	2423	661	0.11	1.36	0.243	0.77	2.73	0.099	-0.01	2.10	0.147	
25	MC	1250	353	0.25	3.65	0.056	0.37	0.41	0.521	0.00	0.05	0.822	
26	MC	1250	353	-0.03	0.06	0.812	-0.51	0.85	0.356	0.01	0.80	0.372	
27	MC	1250	353	0.22	2.89	0.089	0.79	1.97	0.161	-0.01	1.09	0.297	
28	MC	1250	353	0.41	9.44	0.002	0.07	0.01	0.913	0.01	0.30	0.582	Uniform>
29	MC	1250	353	-0.04	0.09	0.759	-0.80	1.93	0.164	0.01	1.83	0.176	
30	MC	1250	353	0.29	4.38	0.036	-0.26	0.23	0.634	0.01	1.07	0.300	
31	MC	1250	353	0.31	3.54	0.060	0.09	0.02	0.883	0.00	0.13	0.719	
32	MC	1250	353	-0.02	0.03	0.863	-0.48	0.75	0.387	0.01	0.71	0.398	
33	MC	1250	353	-0.03	0.05	0.829	-0.51	1.04	0.308	0.01	0.99	0.319	
34	MC	1250	353	-0.20	2.59	0.107	-0.32	0.40	0.525	0.00	0.06	0.805	
35	MC	1250	353	0.07	0.29	0.590	-0.01	0.00	0.989	0.00	0.02	0.893	
36	MC	1250	353	-0.04	0.12	0.726	0.04	0.01	0.934	0.00	0.03	0.862	
37	MC	1250	353	0.19	2.41	0.121	0.05	0.01	0.931	0.00	0.09	0.769	
38	MC	1250	353	0.16	1.48	0.224	-0.06	0.01	0.907	0.00	0.18	0.675	
39	MC	1250	353	0.28	4.63	0.031	0.59	0.96	0.327	-0.01	0.28	0.595	
40	MC	1250	353	-0.15	1.40	0.236	1.00	2.52	0.113	-0.02	3.52	0.061	
41	MC	1250	353	0.11	0.66	0.415	-0.44	0.53	0.468	0.01	0.87	0.351	
42	MC	1250	353	0.06	0.21	0.645	0.62	1.04	0.308	-0.01	0.89	0.345	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.255: Logistic Regression DIF Results on Stage V Reading Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	35	661	0.90	4.35	0.037	7.40	5.49	0.019	-0.11	4.65	0.031	
16	MC	19	353	12.69	0.00	0.974	13.77	0.00	0.974	-0.09	0.00	0.990	
17	MC	19	353	0.18	0.14	0.713	7.95	4.00	0.045	-0.13	3.77	0.052	
18	MC	19	353	-0.20	0.11	0.741	-6.38	1.04	0.307	0.11	0.95	0.329	
19	MC	35	661	0.98	3.19	0.074	5.12	2.20	0.138	-0.08	1.59	0.207	
20	MC	19	353	12.40	0.00	0.974	15.12	0.00	0.971	-0.12	0.00	0.987	
21	MC	35	661	-0.32	0.79	0.373	0.12	0.00	0.959	-0.01	0.04	0.848	
22	MC	35	661	-0.42	1.24	0.265	-4.21	1.95	0.163	0.07	1.63	0.202	
23	MC	35	661	0.16	0.13	0.716	-3.04	0.75	0.386	0.06	0.83	0.363	
24	MC	35	661	0.49	1.89	0.169	-8.61	4.26	0.039	0.16	4.84	0.028	
25	MC	19	353	-1.52	5.49	0.019	-6.09	1.27	0.259	0.07	0.76	0.385	
26	MC	19	353	-0.20	0.15	0.696	-6.12	1.38	0.240	0.11	1.27	0.260	
27	MC	19	353	-0.62	1.59	0.207	2.96	0.76	0.384	-0.06	1.12	0.290	
28	MC	19	353	0.40	0.68	0.409	-4.64	1.03	0.310	0.09	1.22	0.269	
29	MC	19	353	-2.00	6.91	0.009	-13.31	2.24	0.134	0.18	1.77	0.183	Uniform<
30	MC	19	353	-0.71	2.14	0.143	-10.27	2.95	0.086	0.17	2.55	0.111	
31	MC	19	353	-1.13	4.65	0.031	-4.11	0.79	0.375	0.05	0.42	0.519	
32	MC	19	353	0.30	0.40	0.530	2.15	0.41	0.521	-0.03	0.31	0.577	
33	MC	19	353	-1.08	4.46	0.035	-4.13	1.12	0.290	0.05	0.63	0.427	
34	MC	19	353	-1.12	4.41	0.036	-4.71	1.31	0.252	0.06	0.79	0.374	
35	MC	19	353	-0.53	1.06	0.303	5.37	1.93	0.164	-0.10	2.28	0.131	
36	MC	19	353	-1.13	4.47	0.035	-5.12	1.47	0.225	0.07	0.93	0.335	
37	MC	19	353	0.35	0.53	0.466	-1.91	0.28	0.594	0.04	0.40	0.526	
38	MC	19	353	-0.60	1.54	0.214	-2.29	0.38	0.535	0.03	0.21	0.644	
39	MC	19	353	0.03	0.00	0.954	-2.30	0.34	0.557	0.04	0.36	0.549	
40	MC	19	353	-0.26	0.27	0.601	-7.52	1.89	0.169	0.12	1.79	0.181	
41	MC	19	353	-0.13	0.06	0.808	-5.25	1.38	0.240	0.09	1.37	0.242	
42	MC	19	353	-0.78	2.23	0.135	-0.32	0.01	0.932	-0.01	0.02	0.901	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.256: Logistic Regression DIF Results on Stage V Reading Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	3801	5230	0.00	0.00	0.978	-0.32	1.30	0.254	0.00	1.34	0.247	
16	MC	1853	2482	0.46	5.45	0.020	1.54	2.64	0.104	-0.02	1.40	0.236	
17	MC	1853	2482	-0.07	0.97	0.325	-4.42	81.44	0.000	0.06	81.92	0.000	NonUniform
18	MC	1853	2482	0.15	1.30	0.253	-2.35	11.47	0.001	0.04	13.12	0.000	NonUniform
19	MC	3801	5230	0.85	126.92	0.000	0.68	2.78	0.095	0.00	0.19	0.661	Uniform>
20	MC	1853	2482	0.60	6.15	0.013	0.95	0.72	0.397	-0.01	0.10	0.753	
21	MC	3801	5230	-0.07	1.67	0.197	-1.48	25.31	0.000	0.02	23.83	0.000	NonUniform
22	MC	3801	5230	0.01	0.06	0.800	-2.01	44.84	0.000	0.03	47.09	0.000	NonUniform
23	MC	3801	5230	-0.01	0.01	0.927	-1.80	16.19	0.000	0.03	16.46	0.000	NonUniform
24	MC	3801	5230	0.00	0.01	0.924	-3.33	111.05	0.000	0.05	115.88	0.000	NonUniform
25	MC	1853	2482	0.20	6.93	0.008	-1.13	6.46	0.011	0.02	9.28	0.002	NonUniform
26	MC	1853	2482	0.17	2.72	0.099	-2.47	17.81	0.000	0.04	20.72	0.000	NonUniform
27	MC	1853	2482	0.11	1.62	0.204	-3.57	47.58	0.000	0.06	51.70	0.000	NonUniform
28	MC	1853	2482	-0.03	0.17	0.678	-4.54	75.91	0.000	0.07	77.41	0.000	NonUniform
29	MC	1853	2482	0.14	3.18	0.074	-1.10	6.14	0.013	0.02	8.02	0.005	NonUniform
30	MC	1853	2482	-0.05	0.26	0.612	-3.04	27.89	0.000	0.05	27.50	0.000	NonUniform
31	MC	1853	2482	0.22	2.13	0.145	-2.23	7.45	0.006	0.04	9.09	0.003	NonUniform
32	MC	1853	2482	-0.07	0.88	0.348	-2.12	24.48	0.000	0.03	23.80	0.000	NonUniform
33	MC	1853	2482	-0.09	1.23	0.268	-4.11	70.81	0.000	0.06	69.68	0.000	NonUniform
34	MC	1853	2482	-0.02	0.06	0.805	-2.20	29.27	0.000	0.03	29.88	0.000	NonUniform
35	MC	1853	2482	-0.04	0.27	0.605	-4.21	71.10	0.000	0.06	72.10	0.000	NonUniform
36	MC	1853	2482	-0.18	5.57	0.018	-3.84	77.78	0.000	0.05	73.69	0.000	NonUniform
37	MC	1853	2482	-0.14	3.74	0.053	-3.06	52.14	0.000	0.04	49.48	0.000	NonUniform
38	MC	1853	2482	-0.14	2.79	0.095	-3.85	59.05	0.000	0.06	56.57	0.000	NonUniform
39	MC	1853	2482	-0.15	3.73	0.053	-5.03	93.79	0.000	0.07	91.39	0.000	NonUniform
40	MC	1853	2482	0.15	4.32	0.038	-2.93	41.83	0.000	0.04	48.06	0.000	NonUniform
41	MC	1853	2482	-0.11	2.05	0.152	-4.28	80.14	0.000	0.06	79.77	0.000	NonUniform
42	MC	1853	2482	-0.07	0.74	0.391	-2.64	30.82	0.000	0.04	30.21	0.000	NonUniform

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

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Table A.257: Logistic Regression DIF Results on Stage V Reading Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
15	MC	1	9030	-11.62	0.00	0.952	-11.62	0.00	0.952	0.00			
16	MC	0	4335	0.00			0.00			0.00			
17	MC	0	4335	0.00			0.00			0.00			
18	MC	0	4335	0.00			0.00			0.00			
19	MC	1	9030	8.30	0.00	0.967	8.30	0.00	0.967	0.00			
20	MC	0	4335	0.00			0.00			0.00			
21	MC	1	9030	9.29	0.00	0.956	9.29	0.00	0.956	0.00			
22	MC	1	9030	9.47	0.00	0.954	9.47	0.00	0.954	0.00			
23	MC	1	9030	7.89	0.00	0.972	7.89	0.00	0.972	0.00			
24	MC	1	9030	-10.59	0.00	0.949	-10.59	0.00	0.949	0.00			
25	MC	0	4335	0.00			0.00			0.00			
26	MC	0	4335	0.00			0.00			0.00			
27	MC	0	4335	0.00			0.00			0.00			
28	MC	0	4335	0.00			0.00			0.00			
29	MC	0	4335	0.00			0.00			0.00			
30	MC	0	4335	0.00			0.00			0.00			
31	MC	0	4335	0.00			0.00			0.00			
32	MC	0	4335	0.00			0.00			0.00			
33	MC	0	4335	0.00			0.00			0.00			
34	MC	0	4335	0.00			0.00			0.00			
35	MC	0	4335	0.00			0.00			0.00			
36	MC	0	4335	0.00			0.00			0.00			
37	MC	0	4335	0.00			0.00			0.00			
38	MC	0	4335	0.00			0.00			0.00			
39	MC	0	4335	0.00			0.00			0.00			
40	MC	0	4335	0.00			0.00			0.00			
41	MC	0	4335	0.00			0.00			0.00			
42	MC	0	4335	0.00			0.00			0.00			

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.258: Logistic Regression DIF Results on Stage V Writing Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	1118	1363	0.43	10.13	0.001	0.19	0.23	0.633	0.01	0.39	0.534	Uniform>
44	MC	1118	1363	-0.22	6.39	0.012	-0.29	0.68	0.410	0.00	0.04	0.838	
45	MC	1118	1363	0.25	6.66	0.010	-0.02	0.00	0.960	0.01	0.61	0.434	Uniform>
46	MC	1118	1363	0.03	0.11	0.742	-0.57	1.97	0.160	0.01	2.32	0.128	
47	MC	2309	2919	-0.18	6.32	0.012	-0.11	0.13	0.717	0.00	0.06	0.809	
48	MC	1118	1363	0.06	0.39	0.532	-0.35	0.88	0.349	0.01	1.31	0.253	
49	MC	1118	1363	-0.20	4.92	0.027	-0.43	1.07	0.300	0.00	0.31	0.575	
50	MC	1118	1363	0.17	3.15	0.076	-0.34	0.74	0.389	0.01	1.82	0.178	
51	MC	1118	1363	0.05	0.39	0.532	-1.28	11.54	0.001	0.02	13.33	0.000	NonUniform
52	MC	2309	2919	-0.27	19.19	0.000	-0.23	0.73	0.394	0.00	0.03	0.856	Uniform<
53	MC	1118	1363	0.11	1.25	0.264	0.14	0.12	0.727	0.00	0.00	0.946	
54	MC	1118	1363	-0.16	2.42	0.120	-0.22	0.30	0.584	0.00	0.03	0.874	
55	MC	1118	1363	-0.11	1.47	0.225	-0.72	3.99	0.046	0.01	3.10	0.078	
56	MC	1118	1363	-0.29	9.69	0.002	-1.11	8.46	0.004	0.01	4.97	0.026	Uniform<
57	MC	2309	2919	-0.05	0.49	0.483	-1.24	15.54	0.000	0.02	15.18	0.000	NonUniform
58	MC	1118	1363	0.37	17.68	0.000	0.63	3.53	0.060	0.00	0.63	0.428	Uniform>
59	MC	2309	2919	0.36	29.82	0.000	-0.01	0.00	0.984	0.01	1.75	0.186	Uniform>
60	MC	1118	1363	0.11	1.55	0.213	-0.51	1.67	0.197	0.01	2.63	0.105	
61	ER	1118	1363	0.39	22.23	0.000	0.16	0.32	0.574	0.00	0.65	0.419	Uniform>
62	ER	1118	1363	0.41	23.50	0.000	0.48	2.82	0.093	0.00	0.07	0.785	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.259: Logistic Regression DIF Results on Stage V Writing Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	1549	933	0.44	11.64	0.001	1.82	20.96	0.000	-0.03	13.44	0.000	NonUniform
44	MC	1549	933	-0.24	7.66	0.006	-0.07	0.04	0.845	0.00	0.28	0.594	Uniform<
45	MC	1549	933	-0.18	3.04	0.081	0.28	0.58	0.446	-0.01	1.69	0.194	
46	MC	1549	933	0.00	0.00	0.960	-0.19	0.23	0.630	0.00	0.26	0.611	
47	MC	3482	1748	-0.14	3.77	0.052	-0.43	1.95	0.163	0.00	0.90	0.343	
48	MC	1549	933	0.00	0.00	0.992	0.07	0.04	0.851	0.00	0.04	0.848	
49	MC	1549	933	0.12	1.68	0.194	-0.35	0.74	0.389	0.01	1.42	0.234	
50	MC	1549	933	-0.62	39.71	0.000	-1.23	10.10	0.001	0.01	2.67	0.103	Uniform<
51	MC	1549	933	-0.16	3.03	0.082	-0.74	4.17	0.041	0.01	2.77	0.096	
52	MC	3482	1748	-0.38	32.50	0.000	0.17	0.37	0.546	-0.01	4.13	0.042	Uniform<
53	MC	1549	933	-0.15	1.97	0.160	-0.17	0.19	0.663	0.00	0.01	0.944	
54	MC	1549	933	-0.22	4.63	0.031	0.60	2.36	0.124	-0.01	4.73	0.030	
55	MC	1549	933	0.53	34.70	0.000	-0.41	1.35	0.245	0.02	7.44	0.006	NonUniform
56	MC	1549	933	0.17	3.48	0.062	0.86	5.25	0.022	-0.01	3.57	0.059	
57	MC	3482	1748	0.19	7.01	0.008	-0.06	0.04	0.843	0.00	0.64	0.423	Uniform>
58	MC	1549	933	-0.23	6.32	0.012	0.32	0.88	0.349	-0.01	2.82	0.093	
59	MC	3482	1748	-0.22	10.12	0.001	-0.51	3.11	0.078	0.01	1.05	0.305	Uniform<
60	MC	1549	933	-0.11	1.49	0.223	-0.85	4.91	0.027	0.01	3.92	0.048	
61	ER	1549	933	-0.18	4.46	0.035	0.80	7.64	0.006	-0.02	12.48	0.000	NonUniform
62	ER	1549	933	-0.39	20.95	0.000	0.43	2.34	0.126	-0.02	9.37	0.002	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.260: Logistic Regression DIF Results on Stage V Writing Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	165	2317	-0.22	0.56	0.455	-1.69	1.97	0.160	0.03	1.54	0.215	
44	MC	165	2317	0.00	0.00	0.995	-2.01	4.10	0.043	0.03	4.26	0.039	
45	MC	165	2317	0.05	0.05	0.819	-1.54	1.76	0.184	0.03	1.92	0.165	
46	MC	165	2317	0.11	0.39	0.535	-1.28	1.55	0.213	0.02	1.90	0.168	
47	MC	321	4909	-0.14	0.92	0.338	-1.83	4.87	0.027	0.03	4.44	0.035	
48	MC	165	2317	0.35	2.10	0.147	-0.75	0.40	0.526	0.02	0.89	0.346	
49	MC	165	2317	1.33	33.21	0.000	-0.49	0.15	0.700	0.03	2.10	0.147	Uniform>
50	MC	165	2317	-0.39	3.63	0.057	-1.07	0.90	0.343	0.01	0.38	0.538	
51	MC	165	2317	0.04	0.05	0.822	-2.11	3.86	0.049	0.03	4.11	0.043	
52	MC	321	4909	0.87	33.36	0.000	-1.63	3.79	0.052	0.05	9.04	0.003	NonUniform
53	MC	165	2317	-0.31	2.25	0.134	-1.19	1.03	0.310	0.01	0.58	0.448	
54	MC	165	2317	0.14	0.55	0.459	0.52	0.31	0.577	-0.01	0.17	0.679	
55	MC	165	2317	0.16	0.85	0.356	-4.18	10.50	0.001	0.07	11.47	0.001	NonUniform
56	MC	165	2317	0.11	0.32	0.570	-2.81	4.93	0.026	0.05	5.40	0.020	
57	MC	321	4909	-0.07	0.28	0.598	-1.09	2.06	0.151	0.02	1.89	0.169	
58	MC	165	2317	-0.46	6.75	0.009	-1.30	1.86	0.173	0.01	0.81	0.368	Uniform<
59	MC	321	4909	-0.45	11.04	0.001	-1.62	4.17	0.041	0.02	2.25	0.133	Uniform<
60	MC	165	2317	-0.58	10.60	0.001	-3.61	7.88	0.005	0.05	5.66	0.017	Uniform<
61	ER	165	2317	-0.22	1.70	0.192	0.47	0.39	0.532	-0.01	0.87	0.350	
62	ER	165	2317	0.03	0.03	0.863	-0.39	0.26	0.608	0.01	0.32	0.572	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.261: Logistic Regression DIF Results on Stage V Writing Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	294	2188	-0.94	32.47	0.000	0.16	0.05	0.821	-0.02	2.57	0.109	Uniform<
44	MC	294	2188	-0.47	12.14	0.000	0.41	0.34	0.559	-0.02	1.64	0.200	Uniform<
45	MC	294	2188	-1.04	59.38	0.000	-1.21	2.71	0.100	0.00	0.06	0.813	Uniform<
46	MC	294	2188	-0.13	0.79	0.374	1.86	6.38	0.012	-0.04	7.37	0.007	NonUniform
47	MC	634	4596	0.07	0.40	0.527	1.80	10.99	0.001	-0.03	10.24	0.001	NonUniform
48	MC	294	2188	-0.17	1.37	0.243	-1.29	2.72	0.099	0.02	2.13	0.144	
49	MC	294	2188	0.66	23.06	0.000	0.08	0.01	0.921	0.01	0.59	0.444	Uniform>
50	MC	294	2188	-0.83	19.23	0.000	1.24	1.94	0.163	-0.04	5.35	0.021	Uniform<
51	MC	294	2188	-0.42	9.65	0.002	-0.26	0.12	0.725	0.00	0.04	0.832	Uniform<
52	MC	634	4596	0.39	18.09	0.000	-0.88	2.67	0.102	0.02	5.76	0.016	Uniform>
53	MC	294	2188	-0.32	5.14	0.023	0.82	1.37	0.242	-0.02	2.75	0.097	
54	MC	294	2188	0.08	0.25	0.615	1.76	5.85	0.016	-0.03	5.41	0.020	
55	MC	294	2188	-0.11	0.75	0.387	-0.85	1.32	0.251	0.01	1.03	0.311	
56	MC	294	2188	-0.11	0.72	0.397	-1.09	2.08	0.150	0.02	1.73	0.189	
57	MC	634	4596	-0.19	3.14	0.076	0.73	1.57	0.210	-0.02	2.54	0.111	
58	MC	294	2188	-1.07	65.34	0.000	-2.16	7.57	0.006	0.02	1.99	0.158	Uniform<
59	MC	634	4596	-0.54	34.99	0.000	-1.19	4.53	0.033	0.01	1.37	0.243	Uniform<
60	MC	294	2188	-0.51	14.63	0.000	-0.47	0.37	0.544	0.00	0.00	0.952	Uniform<
61	ER	294	2188	-0.23	3.31	0.069	0.61	1.05	0.307	-0.02	2.05	0.152	
62	ER	294	2188	-0.30	5.73	0.017	0.74	1.51	0.219	-0.02	3.14	0.076	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.262: Logistic Regression DIF Results on Stage V Writing Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	879	1603	0.51	12.36	0.000	1.50	10.32	0.001	-0.02	5.14	0.023	Uniform>
44	MC	879	1603	-0.17	3.87	0.049	-0.76	3.98	0.046	0.01	2.51	0.113	
45	MC	879	1603	-0.05	0.22	0.642	-0.01	0.00	0.981	0.00	0.01	0.919	
46	MC	879	1603	0.07	0.51	0.475	-0.19	0.19	0.663	0.00	0.37	0.541	
47	MC	2146	3084	-0.10	1.78	0.182	-0.08	0.07	0.798	0.00	0.00	0.952	
48	MC	879	1603	-0.12	1.36	0.243	-0.25	0.40	0.528	0.00	0.12	0.730	
49	MC	879	1603	-0.09	0.99	0.319	-0.13	0.09	0.760	0.00	0.01	0.925	
50	MC	879	1603	-0.13	1.56	0.212	-1.47	10.56	0.001	0.02	9.48	0.002	NonUniform
51	MC	879	1603	-0.07	0.63	0.426	-0.43	1.20	0.272	0.01	0.89	0.346	
52	MC	2146	3084	-0.50	63.41	0.000	0.32	1.44	0.230	-0.01	9.93	0.002	NonUniform
53	MC	879	1603	-0.03	0.11	0.736	0.08	0.03	0.858	0.00	0.07	0.787	
54	MC	879	1603	0.01	0.00	0.944	0.59	2.01	0.156	-0.01	2.08	0.149	
55	MC	879	1603	0.23	6.55	0.010	-0.25	0.44	0.508	0.01	1.67	0.196	
56	MC	879	1603	0.06	0.47	0.495	0.80	4.34	0.037	-0.01	3.91	0.048	
57	MC	2146	3084	-0.15	4.60	0.032	-0.55	2.92	0.088	0.01	1.65	0.199	
58	MC	879	1603	-0.09	1.01	0.314	0.28	0.61	0.434	-0.01	1.16	0.282	
59	MC	2146	3084	-0.05	0.62	0.433	-0.31	1.17	0.279	0.00	0.87	0.352	
60	MC	879	1603	0.00	0.00	0.964	-0.54	1.60	0.206	0.01	1.71	0.191	
61	ER	879	1603	0.03	0.10	0.752	0.85	7.61	0.006	-0.01	7.78	0.005	NonUniform
62	ER	879	1603	-0.17	4.15	0.042	0.65	4.50	0.034	-0.01	7.93	0.005	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.263: Logistic Regression DIF Results on Stage V Writing Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	879	353	0.49	5.80	0.016	0.76	1.11	0.292	-0.01	0.15	0.694	
44	MC	879	353	0.00	0.00	0.971	-0.96	2.70	0.100	0.02	2.80	0.094	
45	MC	879	353	0.08	0.30	0.581	0.29	0.22	0.639	0.00	0.12	0.728	
46	MC	879	353	-0.01	0.00	0.971	-0.48	0.53	0.466	0.01	0.54	0.461	
47	MC	2146	661	-0.08	0.51	0.474	-0.76	2.22	0.136	0.01	1.84	0.175	
48	MC	879	353	-0.03	0.03	0.856	0.15	0.05	0.823	0.00	0.07	0.784	
49	MC	879	353	-0.37	6.88	0.009	-0.75	1.35	0.246	0.01	0.37	0.543	Uniform<
50	MC	879	353	0.14	0.79	0.374	-1.17	2.63	0.105	0.02	3.43	0.064	
51	MC	879	353	0.22	2.62	0.106	-0.74	1.49	0.222	0.02	2.60	0.107	
52	MC	2146	661	-0.56	33.04	0.000	0.31	0.45	0.502	-0.02	3.68	0.055	Uniform<
53	MC	879	353	-0.11	0.48	0.490	-0.14	0.05	0.830	0.00	0.00	0.955	
54	MC	879	353	0.05	0.09	0.763	0.51	0.56	0.455	-0.01	0.49	0.485	
55	MC	879	353	0.26	3.77	0.052	0.25	0.16	0.692	0.00	0.00	0.982	
56	MC	879	353	0.09	0.46	0.498	0.68	1.23	0.268	-0.01	0.96	0.326	
57	MC	2146	661	-0.11	1.15	0.283	-0.77	2.16	0.142	0.01	1.62	0.203	
58	MC	879	353	0.07	0.27	0.601	0.66	1.27	0.260	-0.01	1.07	0.300	
59	MC	2146	661	0.01	0.02	0.886	-0.28	0.34	0.562	0.01	0.39	0.533	
60	MC	879	353	0.29	4.37	0.037	0.93	1.64	0.200	-0.01	0.80	0.371	
61	ER	879	353	0.06	0.26	0.609	0.50	1.03	0.311	-0.01	0.84	0.359	
62	ER	879	353	-0.29	4.80	0.028	0.51	1.01	0.314	-0.01	2.65	0.104	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.264: Logistic Regression DIF Results on Stage V Writing Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	1250	353	0.01	0.00	0.967	-0.87	1.83	0.176	0.02	2.09	0.148	
44	MC	1250	353	0.22	3.05	0.081	-0.22	0.17	0.680	0.01	0.72	0.395	
45	MC	1250	353	0.17	1.42	0.234	0.36	0.39	0.534	0.00	0.12	0.734	
46	MC	1250	353	-0.09	0.44	0.506	-0.37	0.36	0.546	0.00	0.22	0.642	
47	MC	2423	661	0.02	0.04	0.845	-0.81	2.70	0.100	0.01	2.95	0.086	
48	MC	1250	353	0.12	0.71	0.400	0.48	0.63	0.429	-0.01	0.37	0.544	
49	MC	1250	353	-0.36	7.18	0.007	-0.83	1.86	0.173	0.01	0.61	0.434	Uniform<
50	MC	1250	353	0.36	5.52	0.019	0.39	0.36	0.546	0.00	0.00	0.960	
51	MC	1250	353	0.37	8.34	0.004	-0.34	0.37	0.546	0.01	1.69	0.194	Uniform>
52	MC	2423	661	-0.09	0.89	0.346	-0.01	0.00	0.975	0.00	0.03	0.858	
53	MC	1250	353	-0.09	0.41	0.524	-0.27	0.19	0.665	0.00	0.08	0.773	
54	MC	1250	353	0.04	0.08	0.782	-0.09	0.02	0.891	0.00	0.04	0.836	
55	MC	1250	353	0.04	0.12	0.734	0.60	1.06	0.302	-0.01	0.97	0.325	
56	MC	1250	353	0.03	0.07	0.794	-0.14	0.06	0.814	0.00	0.09	0.762	
57	MC	2423	661	0.04	0.18	0.671	-0.26	0.26	0.608	0.01	0.38	0.540	
58	MC	1250	353	0.21	2.67	0.102	0.46	0.71	0.400	0.00	0.22	0.639	
59	MC	2423	661	0.08	0.66	0.415	0.04	0.01	0.933	0.00	0.01	0.926	
60	MC	1250	353	0.37	7.89	0.005	1.74	6.67	0.010	-0.02	4.34	0.037	Uniform>
61	ER	1250	353	0.04	0.11	0.743	-0.43	0.86	0.354	0.01	1.11	0.291	
62	ER	1250	353	-0.10	0.72	0.396	-0.14	0.09	0.765	0.00	0.01	0.941	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.265: Logistic Regression DIF Results on Stage V Writing Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	19	353	-0.76	1.65	0.199	-6.97	1.43	0.232	0.11	1.09	0.296	
44	MC	19	353	0.10	0.04	0.833	-4.42	1.22	0.270	0.08	1.30	0.255	
45	MC	19	353	0.36	0.37	0.542	0.30	0.00	0.947	0.00	0.00	0.990	
46	MC	19	353	-0.77	1.44	0.231	-9.03	2.13	0.144	0.13	1.92	0.166	
47	MC	35	661	-0.62	1.30	0.254	-3.71	1.01	0.315	0.05	0.75	0.385	
48	MC	19	353	1.10	2.05	0.152	3.42	0.36	0.549	-0.04	0.17	0.677	
49	MC	19	353	1.32	4.11	0.043	3.95	0.71	0.398	-0.05	0.34	0.563	
50	MC	19	353	-0.21	0.11	0.741	-7.41	1.80	0.180	0.12	1.83	0.176	
51	MC	19	353	-0.41	0.66	0.418	-5.36	1.48	0.223	0.08	1.30	0.254	
52	MC	35	661	0.13	0.11	0.740	-3.94	1.40	0.237	0.08	1.49	0.223	
53	MC	19	353	-0.33	0.39	0.531	2.27	0.37	0.542	-0.05	0.51	0.476	
54	MC	19	353	0.32	0.36	0.550	-2.38	0.36	0.548	0.05	0.48	0.487	
55	MC	19	353	0.69	1.92	0.166	-1.83	0.19	0.659	0.04	0.37	0.543	
56	MC	19	353	-0.35	0.53	0.468	-4.42	0.99	0.320	0.07	0.84	0.360	
57	MC	35	661	-0.73	2.18	0.140	-5.06	1.74	0.187	0.07	1.36	0.243	
58	MC	19	353	0.37	0.51	0.474	0.74	0.04	0.846	-0.01	0.01	0.922	
59	MC	35	661	-0.20	0.28	0.594	-5.53	2.44	0.118	0.10	2.27	0.132	
60	MC	19	353	-0.58	1.26	0.262	-0.44	0.01	0.908	0.00	0.00	0.971	
61	ER	19	353	0.28	0.36	0.551	2.70	0.65	0.418	-0.04	0.53	0.466	
62	ER	19	353	-0.13	0.08	0.781	-0.45	0.02	0.893	0.01	0.01	0.924	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.266: Logistic Regression DIF Results on Stage V Writing Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	1853	2482	-0.30	4.19	0.041	-2.79	16.95	0.000	0.04	13.78	0.000	NonUniform
44	MC	1853	2482	-0.13	2.88	0.090	-4.21	83.33	0.000	0.06	81.72	0.000	NonUniform
45	MC	1853	2482	0.00	0.00	0.983	-3.51	34.07	0.000	0.05	34.64	0.000	NonUniform
46	MC	1853	2482	-0.16	4.26	0.039	-3.12	42.84	0.000	0.04	40.31	0.000	NonUniform
47	MC	3801	5230	-0.04	0.39	0.533	-3.83	116.27	0.000	0.05	120.54	0.000	NonUniform
48	MC	1853	2482	0.24	4.79	0.029	-0.86	2.15	0.143	0.02	3.61	0.057	
49	MC	1853	2482	0.70	60.24	0.000	-0.31	0.35	0.556	0.02	3.71	0.054	Uniform>
50	MC	1853	2482	-0.45	27.93	0.000	-4.16	59.20	0.000	0.05	49.87	0.000	NonUniform
51	MC	1853	2482	-0.02	0.10	0.755	-1.64	13.96	0.000	0.02	14.03	0.000	NonUniform
52	MC	3801	5230	0.73	126.14	0.000	-0.45	1.47	0.225	0.02	10.50	0.001	NonUniform
53	MC	1853	2482	0.15	2.00	0.158	-1.12	3.55	0.060	0.02	4.70	0.030	
54	MC	1853	2482	-0.25	7.84	0.005	0.55	1.37	0.242	-0.01	2.96	0.085	Uniform<
55	MC	1853	2482	0.21	7.55	0.006	-2.57	30.36	0.000	0.04	36.71	0.000	NonUniform
56	MC	1853	2482	0.36	15.78	0.000	-0.92	3.27	0.070	0.02	6.50	0.011	Uniform>
57	MC	3801	5230	0.07	1.77	0.183	-4.86	179.00	0.000	0.07	192.68	0.000	NonUniform
58	MC	1853	2482	-0.36	19.19	0.000	-2.47	30.32	0.000	0.03	22.98	0.000	NonUniform
59	MC	3801	5230	-0.17	6.73	0.009	-2.48	42.19	0.000	0.04	37.73	0.000	NonUniform
60	MC	1853	2482	-0.07	0.74	0.391	-3.24	38.23	0.000	0.05	37.61	0.000	NonUniform
61	ER	1853	2482	0.10	1.98	0.160	0.28	0.53	0.466	0.00	0.22	0.643	
62	ER	1853	2482	0.04	0.31	0.576	0.36	0.86	0.353	0.00	0.70	0.404	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.267: Logistic Regression DIF Results on Stage V Writing Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
43	MC	0	4335	0.00			0.00			0.00			
44	MC	0	4335	0.00			0.00			0.00			
45	MC	0	4335	0.00			0.00			0.00			
46	MC	0	4335	0.00			0.00			0.00			
47	MC	1	9030	-9.73	0.00	0.962	-9.73	0.00	0.962	0.00			
48	MC	0	4335	0.00			0.00			0.00			
49	MC	0	4335	0.00			0.00			0.00			
50	MC	0	4335	0.00			0.00			0.00			
51	MC	0	4335	0.00			0.00			0.00			
52	MC	1	9030	8.53	0.00	0.963	8.53	0.00	0.963	0.00			
53	MC	0	4335	0.00			0.00			0.00			
54	MC	0	4335	0.00			0.00			0.00			
55	MC	0	4335	0.00			0.00			0.00			
56	MC	0	4335	0.00			0.00			0.00			
57	MC	1	9030	-10.23	0.00	0.954	-10.23	0.00	0.954	0.00			
58	MC	0	4335	0.00			0.00			0.00			
59	MC	1	9030	-12.71	0.00	0.951	-12.71	0.00	0.951	0.00			
60	MC	0	4335	0.00			0.00			0.00			
61	ER	0	4335	0.00			0.00			0.00			
62	ER	0	4335	0.00			0.00			0.00			

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.268: Logistic Regression DIF Results on Stage V Listening Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1118	1363	-0.33	11.29	0.001	-0.35	0.90	0.342	0.00	0.00	0.960	Uniform<
2	MC	2309	2919	-0.08	1.40	0.237	-0.01	0.00	0.978	0.00	0.09	0.766	
3	MC	1118	1363	-0.36	15.83	0.000	-0.27	0.56	0.453	0.00	0.07	0.796	Uniform<
4	MC	2309	2919	-0.12	3.94	0.047	-0.44	3.61	0.057	0.01	2.12	0.146	
5	MC	1118	1363	-0.13	2.18	0.140	-0.67	3.62	0.057	0.01	2.52	0.112	
6	MC	1118	1363	-0.22	5.76	0.016	-0.18	0.23	0.629	0.00	0.01	0.919	
7	MC	1118	1363	-0.15	2.60	0.107	-0.19	0.31	0.576	0.00	0.02	0.893	
8	MC	1118	1363	-0.31	10.79	0.001	0.61	2.74	0.098	-0.02	6.67	0.010	NonUniform
9	MC	1118	1363	0.22	6.65	0.010	-0.19	0.32	0.573	0.01	1.61	0.205	Uniform>
10	MC	1118	1363	0.16	3.67	0.055	0.22	0.47	0.494	0.00	0.04	0.848	
11	MC	1118	1363	-0.04	0.17	0.679	0.13	0.14	0.707	0.00	0.25	0.619	
12	MC	1118	1363	0.07	0.67	0.415	0.67	3.40	0.065	-0.01	2.88	0.090	
13	MC	2309	2919	0.00	0.00	0.976	-0.50	3.15	0.076	0.01	3.33	0.068	
14	MC	1118	1363	-0.12	1.85	0.174	-0.67	3.24	0.072	0.01	2.31	0.128	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.269: Logistic Regression DIF Results on Stage V Listening Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1549	933	0.09	0.84	0.359	0.49	1.80	0.180	-0.01	1.28	0.257	
2	MC	3482	1748	0.10	2.13	0.145	-0.15	0.35	0.555	0.01	1.05	0.305	
3	MC	1549	933	0.19	4.17	0.041	-0.03	0.01	0.922	0.00	0.42	0.517	
4	MC	3482	1748	0.13	4.53	0.033	0.03	0.01	0.913	0.00	0.20	0.656	
5	MC	1549	933	0.05	0.31	0.580	-0.08	0.05	0.822	0.00	0.14	0.703	
6	MC	1549	933	0.00	0.00	0.984	-1.34	13.72	0.000	0.02	14.63	0.000	NonUniform
7	MC	1549	933	-0.06	0.47	0.495	-0.21	0.40	0.526	0.00	0.21	0.644	
8	MC	1549	933	-0.15	2.48	0.115	-1.39	14.77	0.000	0.02	12.65	0.000	NonUniform
9	MC	1549	933	-0.07	0.58	0.448	-0.30	0.80	0.372	0.00	0.51	0.473	
10	MC	1549	933	-0.01	0.00	0.951	-0.56	3.01	0.083	0.01	3.18	0.074	
11	MC	1549	933	0.06	0.50	0.480	-0.39	1.36	0.244	0.01	1.96	0.162	
12	MC	1549	933	0.20	4.79	0.029	0.54	2.10	0.148	-0.01	0.89	0.344	
13	MC	3482	1748	0.22	11.01	0.001	0.16	0.31	0.579	0.00	0.03	0.860	Uniform>
14	MC	1549	933	-0.17	3.43	0.064	0.23	0.39	0.533	-0.01	1.25	0.263	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.270: Logistic Regression DIF Results on Stage V Listening Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	165	2317	0.12	0.32	0.574	-1.16	1.03	0.311	0.02	1.29	0.255	
2	MC	321	4909	0.08	0.28	0.595	-1.31	3.02	0.082	0.03	3.52	0.061	
3	MC	165	2317	0.37	3.48	0.062	-0.40	0.15	0.697	0.01	0.59	0.443	
4	MC	321	4909	-0.31	6.64	0.010	-1.10	3.23	0.072	0.01	1.75	0.186	Uniform<
5	MC	165	2317	0.35	3.53	0.060	-0.64	0.43	0.512	0.02	1.06	0.304	
6	MC	165	2317	0.16	0.70	0.404	0.51	0.31	0.576	-0.01	0.16	0.690	
7	MC	165	2317	-0.05	0.08	0.772	1.09	1.60	0.206	-0.02	1.87	0.172	
8	MC	165	2317	0.34	2.53	0.112	1.33	1.94	0.164	-0.02	1.14	0.285	
9	MC	165	2317	0.07	0.15	0.699	-1.26	1.67	0.197	0.02	1.91	0.167	
10	MC	165	2317	0.13	0.55	0.459	-0.76	0.69	0.405	0.01	0.98	0.321	
11	MC	165	2317	-0.04	0.05	0.830	0.75	0.85	0.357	-0.01	0.97	0.325	
12	MC	165	2317	0.09	0.27	0.606	-1.07	1.26	0.262	0.02	1.53	0.217	
13	MC	321	4909	-0.07	0.30	0.582	-0.93	1.72	0.189	0.01	1.54	0.215	
14	MC	165	2317	0.24	1.67	0.197	-1.66	2.23	0.135	0.03	2.99	0.084	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.271: Logistic Regression DIF Results on Stage V Listening Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	294	2188	-0.08	0.34	0.562	-0.24	0.11	0.736	0.00	0.05	0.820	
2	MC	634	4596	0.22	4.53	0.033	0.29	0.33	0.567	0.00	0.02	0.883	
3	MC	294	2188	0.26	3.83	0.050	1.48	5.09	0.024	-0.02	3.59	0.058	
4	MC	634	4596	0.24	7.62	0.006	0.47	1.12	0.289	0.00	0.29	0.593	Uniform>
5	MC	294	2188	0.37	7.84	0.005	0.62	0.87	0.350	0.00	0.15	0.699	Uniform>
6	MC	294	2188	0.12	0.84	0.361	-0.42	0.33	0.566	0.01	0.57	0.452	
7	MC	294	2188	-0.04	0.07	0.786	0.24	0.13	0.717	-0.01	0.18	0.670	
8	MC	294	2188	0.69	21.34	0.000	-0.20	0.07	0.791	0.02	1.40	0.236	Uniform>
9	MC	294	2188	0.12	0.84	0.358	-0.92	1.69	0.193	0.02	2.23	0.135	
10	MC	294	2188	-0.31	5.99	0.014	-1.29	3.30	0.069	0.02	1.97	0.160	
11	MC	294	2188	-0.01	0.00	0.952	1.51	5.60	0.018	-0.03	5.82	0.016	
12	MC	294	2188	0.28	4.52	0.034	-0.27	0.14	0.705	0.01	0.61	0.436	
13	MC	634	4596	-0.19	3.91	0.048	0.74	2.07	0.151	-0.02	3.31	0.069	
14	MC	294	2188	0.22	2.69	0.101	1.06	2.54	0.111	-0.02	1.67	0.196	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.272: Logistic Regression DIF Results on Stage V Listening Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	879	1603	-0.05	0.27	0.606	-0.31	0.61	0.435	0.00	0.45	0.502	
2	MC	2146	3084	-0.07	1.02	0.313	0.05	0.03	0.859	0.00	0.21	0.648	
3	MC	879	1603	0.02	0.05	0.819	0.29	0.59	0.443	0.00	0.54	0.463	
4	MC	2146	3084	0.07	1.44	0.230	0.11	0.21	0.645	0.00	0.03	0.865	
5	MC	879	1603	-0.01	0.00	0.955	-0.53	1.96	0.161	0.01	2.04	0.153	
6	MC	879	1603	-0.03	0.10	0.747	-1.05	6.55	0.010	0.02	6.53	0.011	
7	MC	879	1603	-0.06	0.44	0.509	-0.19	0.26	0.611	0.00	0.12	0.726	
8	MC	879	1603	-0.34	12.62	0.000	-1.21	8.53	0.003	0.02	4.63	0.031	Uniform<
9	MC	879	1603	-0.14	2.36	0.124	-0.61	2.72	0.099	0.01	1.74	0.187	
10	MC	879	1603	0.01	0.01	0.912	-0.27	0.56	0.454	0.00	0.64	0.423	
11	MC	879	1603	-0.09	1.02	0.312	-0.49	1.80	0.180	0.01	1.28	0.257	
12	MC	879	1603	0.14	2.48	0.116	0.65	2.89	0.089	-0.01	1.86	0.173	
13	MC	2146	3084	0.06	1.05	0.305	0.53	3.53	0.060	-0.01	2.88	0.090	
14	MC	879	1603	-0.26	8.22	0.004	0.64	2.80	0.094	-0.02	5.88	0.015	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.273: Logistic Regression DIF Results on Stage V Listening Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	879	353	0.09	0.35	0.552	-0.32	0.26	0.607	0.01	0.46	0.498	
2	MC	2146	661	-0.08	0.55	0.458	0.07	0.02	0.883	0.00	0.11	0.741	
3	MC	879	353	-0.03	0.03	0.855	-0.22	0.14	0.705	0.00	0.12	0.730	
4	MC	2146	661	0.01	0.02	0.875	0.26	0.39	0.534	0.00	0.36	0.547	
5	MC	879	353	0.11	0.63	0.426	-0.05	0.01	0.939	0.00	0.07	0.795	
6	MC	879	353	0.24	3.04	0.081	-0.35	0.29	0.591	0.01	0.87	0.352	
7	MC	879	353	0.00	0.00	0.973	-0.07	0.01	0.904	0.00	0.02	0.894	
8	MC	879	353	-0.51	11.40	0.001	-0.75	1.32	0.251	0.00	0.14	0.704	Uniform<
9	MC	879	353	-0.22	2.69	0.101	-1.01	3.19	0.074	0.01	2.07	0.150	
10	MC	879	353	-0.03	0.05	0.816	-0.01	0.00	0.992	0.00	0.00	0.964	
11	MC	879	353	-0.15	1.26	0.262	-0.03	0.00	0.965	0.00	0.05	0.831	
12	MC	879	353	0.13	0.97	0.325	1.11	2.97	0.085	-0.02	2.43	0.119	
13	MC	2146	661	0.13	1.70	0.192	0.09	0.04	0.847	0.00	0.01	0.943	
14	MC	879	353	0.06	0.23	0.628	1.01	2.51	0.113	-0.02	2.31	0.129	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.274: Logistic Regression DIF Results on Stage V Listening Items for the Non-Spanish/English Comparison

Focal Group: Non-Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1250	353	0.18	1.64	0.200	-0.01	0.00	0.987	0.00	0.12	0.729	
2	MC	2423	661	-0.01	0.01	0.910	0.03	0.00	0.954	0.00	0.01	0.931	
3	MC	1250	353	-0.07	0.24	0.624	-0.63	1.29	0.255	0.01	1.10	0.294	
4	MC	2423	661	-0.07	0.63	0.428	0.17	0.18	0.674	0.00	0.38	0.540	
5	MC	1250	353	0.15	1.35	0.245	0.59	1.10	0.295	-0.01	0.65	0.421	
6	MC	1250	353	0.35	7.15	0.007	0.85	2.09	0.148	-0.01	0.78	0.377	Uniform>
7	MC	1250	353	0.09	0.43	0.513	0.14	0.07	0.795	0.00	0.01	0.918	
8	MC	1250	353	-0.18	1.56	0.212	0.53	0.80	0.370	-0.01	1.50	0.221	
9	MC	1250	353	-0.10	0.64	0.424	-0.49	0.89	0.345	0.01	0.59	0.441	
10	MC	1250	353	-0.05	0.14	0.704	0.30	0.33	0.567	-0.01	0.47	0.495	
11	MC	1250	353	-0.06	0.27	0.607	0.54	1.00	0.317	-0.01	1.33	0.249	
12	MC	1250	353	-0.02	0.02	0.899	0.55	0.79	0.375	-0.01	0.88	0.348	
13	MC	2423	661	0.08	0.74	0.391	-0.52	1.22	0.269	0.01	1.70	0.192	
14	MC	1250	353	0.43	10.68	0.001	0.46	0.57	0.451	0.00	0.00	0.967	Uniform>

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.275: Logistic Regression DIF Results on Stage V Listening Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	19	353	0.43	0.53	0.466	4.61	1.28	0.258	-0.07	1.12	0.289	
2	MC	35	661	0.25	0.32	0.573	-2.69	0.64	0.425	0.06	0.75	0.385	
3	MC	19	353	-0.25	0.25	0.615	-3.99	0.87	0.351	0.07	0.77	0.381	
4	MC	35	661	-0.25	0.49	0.483	-0.19	0.01	0.934	0.00	0.00	0.980	
5	MC	19	353	0.40	0.64	0.424	3.61	1.08	0.299	-0.06	0.89	0.346	
6	MC	19	353	0.73	1.98	0.159	7.49	4.03	0.045	-0.12	3.48	0.062	
7	MC	19	353	-0.58	1.43	0.231	1.44	0.18	0.669	-0.03	0.37	0.544	
8	MC	19	353	-0.29	0.30	0.582	-4.73	0.87	0.351	0.08	0.76	0.384	
9	MC	19	353	-0.52	1.19	0.274	-3.50	0.83	0.361	0.05	0.61	0.434	
10	MC	19	353	0.03	0.00	0.944	1.48	0.19	0.665	-0.03	0.18	0.669	
11	MC	19	353	0.06	0.01	0.907	0.21	0.00	0.950	0.00	0.00	0.963	
12	MC	19	353	0.70	2.09	0.149	2.99	0.79	0.375	-0.04	0.47	0.491	
13	MC	35	661	-0.50	1.57	0.210	-0.90	0.11	0.740	0.01	0.02	0.883	
14	MC	19	353	0.29	0.34	0.558	3.29	0.92	0.336	-0.05	0.79	0.373	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.276: Logistic Regression DIF Results on Stage V Listening Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	1853	2482	0.22	4.39	0.036	-0.86	2.37	0.124	0.02	3.83	0.050	
2	MC	3801	5230	0.49	39.91	0.000	-0.33	0.65	0.421	0.01	4.16	0.041	Uniform>
3	MC	1853	2482	0.54	34.88	0.000	0.48	0.93	0.334	0.00	0.01	0.905	Uniform>
4	MC	3801	5230	0.14	7.47	0.006	-1.23	18.74	0.000	0.02	24.20	0.000	NonUniform
5	MC	1853	2482	0.11	1.97	0.161	-1.04	5.46	0.019	0.02	6.93	0.008	NonUniform
6	MC	1853	2482	0.02	0.06	0.808	-1.40	8.88	0.003	0.02	9.43	0.002	NonUniform
7	MC	1853	2482	0.05	0.30	0.585	-0.95	4.12	0.042	0.01	4.70	0.030	
8	MC	1853	2482	0.33	11.52	0.001	1.00	3.87	0.049	-0.01	1.84	0.175	Uniform>
9	MC	1853	2482	0.11	1.96	0.161	-0.96	4.87	0.027	0.02	6.28	0.012	
10	MC	1853	2482	-0.02	0.05	0.823	-2.50	31.99	0.000	0.04	32.60	0.000	NonUniform
11	MC	1853	2482	0.07	1.05	0.306	-1.55	14.65	0.000	0.02	16.74	0.000	NonUniform
12	MC	1853	2482	0.25	11.59	0.001	-0.71	3.00	0.083	0.01	5.68	0.017	Uniform>
13	MC	3801	5230	0.00	0.01	0.928	-3.31	97.67	0.000	0.05	100.99	0.000	NonUniform
14	MC	1853	2482	0.09	1.19	0.276	-0.49	1.18	0.278	0.01	1.70	0.192	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.277: Logistic Regression DIF Results on Stage V Listening Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
1	MC	0	4335	0.00			0.00			0.00			
2	MC	1	9030	8.25	0.00	0.970	8.25	0.00	0.970	0.00			
3	MC	0	4335	0.00			0.00			0.00			
4	MC	1	9030	-11.06	0.00	0.948	-11.06	0.00	0.948	0.00			
5	MC	0	4335	0.00			0.00			0.00			
6	MC	0	4335	0.00			0.00			0.00			
7	MC	0	4335	0.00			0.00			0.00			
8	MC	0	4335	0.00			0.00			0.00			
9	MC	0	4335	0.00			0.00			0.00			
10	MC	0	4335	0.00			0.00			0.00			
11	MC	0	4335	0.00			0.00			0.00			
12	MC	0	4335	0.00			0.00			0.00			
13	MC	1	9030	-10.78	0.00	0.948	-10.78	0.00	0.948	0.00			
14	MC	0	4335	0.00			0.00			0.00			

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.278: Logistic Regression DIF Results on Stage V Speaking Items for the Female/Male Comparison

Focal Group: Female; Reference Group: Male													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1118	1363	-0.24	7.81	0.005	-0.99	11.74	0.001	0.01	7.38	0.007	NonUniform
64	SA4	2309	2919	0.05	0.79	0.373	0.25	1.29	0.256	0.00	0.88	0.350	
65	SA4	1118	1363	-0.20	4.54	0.033	0.20	0.39	0.533	-0.01	1.69	0.193	
66	SA4	1118	1363	-0.38	18.69	0.000	-0.06	0.03	0.861	-0.01	1.15	0.284	Uniform<
67	SA4	1118	1363	0.09	0.81	0.369	0.10	0.10	0.749	0.00	0.00	0.961	
68	SA4	2309	2919	0.01	0.02	0.885	-0.41	2.45	0.117	0.01	2.70	0.100	
69	SA4	1118	1363	0.54	33.58	0.000	0.25	0.57	0.449	0.01	0.82	0.366	Uniform>
70	SA4	1118	1363	-0.32	14.94	0.000	-0.26	0.83	0.363	0.00	0.05	0.815	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.279: Logistic Regression DIF Results on Stage V Speaking Items for the Hispanic/Non-Hispanic Comparison

Focal Group: Hispanic; Reference Group: Non-Hispanic													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1549	933	0.59	42.93	0.000	0.87	9.19	0.002	-0.01	1.12	0.291	Uniform>
64	SA4	3482	1748	0.01	0.04	0.836	-0.11	0.26	0.609	0.00	0.35	0.553	
65	SA4	1549	933	0.17	3.39	0.066	-0.01	0.00	0.967	0.00	0.38	0.537	
66	SA4	1549	933	0.29	10.38	0.001	0.19	0.36	0.548	0.00	0.11	0.744	Uniform>
67	SA4	1549	933	0.01	0.00	0.955	-0.78	6.38	0.012	0.02	7.20	0.007	NonUniform
68	SA4	3482	1748	-0.22	12.82	0.000	-0.51	3.63	0.057	0.01	1.25	0.264	Uniform<
69	SA4	1549	933	-0.35	14.00	0.000	-0.73	5.13	0.024	0.01	1.49	0.222	Uniform<
70	SA4	1549	933	-0.02	0.05	0.819	-0.30	1.15	0.284	0.01	1.11	0.292	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.280: Logistic Regression DIF Results on Stage V Speaking Items for the American Indian/ Non-American Indian Comparison

Focal Group: American Indian; Reference Group: Non-American Indian													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	165	2317	0.51	7.32	0.007	3.82	18.16	0.000	-0.05	14.38	0.000	NonUniform
64	SA4	321	4909	-0.13	1.18	0.278	-0.89	2.61	0.106	0.01	1.98	0.159	
65	SA4	165	2317	1.22	26.88	0.000	0.74	0.75	0.388	0.01	0.34	0.558	Uniform>
66	SA4	165	2317	0.08	0.17	0.684	0.75	0.70	0.402	-0.01	0.60	0.438	
67	SA4	165	2317	-0.58	8.64	0.003	1.89	4.77	0.029	-0.04	8.78	0.003	NonUniform
68	SA4	321	4909	0.00	0.00	0.986	0.54	0.77	0.380	-0.01	0.80	0.372	
69	SA4	165	2317	-0.61	10.69	0.001	0.27	0.10	0.753	-0.01	1.11	0.292	Uniform<
70	SA4	165	2317	1.12	39.16	0.000	2.26	6.79	0.009	-0.02	1.84	0.175	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.281: Logistic Regression DIF Results on Stage V Speaking Items for the Special Education/ Non-Special Education Comparison

Focal Group: Special Education; Reference Group: Non-Special Education													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	294	2188	1.50	99.50	0.000	1.03	2.65	0.103	0.01	0.61	0.436	Uniform>
64	SA4	634	4596	-0.20	6.01	0.014	0.07	0.03	0.874	-0.01	0.43	0.513	
65	SA4	294	2188	0.50	12.27	0.000	-1.21	3.10	0.078	0.03	6.51	0.011	Uniform>
66	SA4	294	2188	0.41	9.34	0.002	0.04	0.00	0.950	0.01	0.33	0.567	Uniform>
67	SA4	294	2188	0.46	9.36	0.002	0.07	0.01	0.913	0.01	0.34	0.558	Uniform>
68	SA4	634	4596	0.91	107.79	0.000	1.38	8.82	0.003	-0.01	1.04	0.307	Uniform>
69	SA4	294	2188	0.06	0.20	0.656	-0.71	1.10	0.293	0.01	1.36	0.243	
70	SA4	294	2188	1.35	103.07	0.000	1.72	7.52	0.006	-0.01	0.36	0.549	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.282: Logistic Regression DIF Results on Stage V Speaking Items for the Spanish/Non-Spanish Comparison

Focal Group: Spanish; Reference Group: Non-Spanish													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	879	1603	0.22	5.85	0.016	0.66	4.55	0.033	-0.01	2.23	0.135	
64	SA4	2146	3084	0.04	0.59	0.442	-0.08	0.14	0.710	0.00	0.35	0.553	
65	SA4	879	1603	0.08	0.77	0.381	0.57	2.83	0.093	-0.01	2.25	0.134	
66	SA4	879	1603	0.25	7.60	0.006	0.19	0.30	0.587	0.00	0.04	0.840	Uniform>
67	SA4	879	1603	0.10	1.06	0.304	-0.42	1.57	0.211	0.01	2.64	0.104	
68	SA4	2146	3084	-0.23	16.11	0.000	-0.73	7.36	0.007	0.01	3.62	0.057	Uniform<
69	SA4	879	1603	-0.03	0.12	0.734	-0.58	2.72	0.099	0.01	2.61	0.106	
70	SA4	879	1603	-0.43	24.50	0.000	-0.31	1.06	0.303	0.00	0.16	0.693	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.283: Logistic Regression DIF Results on Stage V Speaking Items for the Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	879	353	-0.17	1.43	0.233	0.42	0.69	0.406	-0.01	1.44	0.230	
64	SA4	2146	661	0.17	3.34	0.067	-0.05	0.02	0.893	0.00	0.33	0.565	
65	SA4	879	353	-0.06	0.20	0.657	1.46	6.40	0.011	-0.03	7.50	0.006	NonUniform
66	SA4	879	353	0.10	0.50	0.480	0.48	0.73	0.392	-0.01	0.51	0.477	
67	SA4	879	353	0.00	0.00	0.988	0.07	0.02	0.899	0.00	0.02	0.892	
68	SA4	2146	661	-0.29	10.23	0.001	-0.27	0.34	0.559	0.00	0.00	0.958	Uniform<
69	SA4	879	353	-0.10	0.53	0.468	-0.50	0.75	0.388	0.01	0.50	0.478	
70	SA4	879	353	-0.70	29.55	0.000	-1.13	5.11	0.024	0.01	0.80	0.371	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.284: Logistic Regression DIF Results on Stage V Speaking Items for the Non-Spanish/English Comparison

Focal Group: Spanish; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1250	353	-0.48	13.31	0.000	-0.33	0.49	0.484	0.00	0.11	0.745	Uniform<
64	SA4	2423	661	0.14	2.43	0.119	0.07	0.03	0.855	0.00	0.04	0.845	
65	SA4	1250	353	-0.19	2.00	0.158	0.94	3.28	0.070	-0.02	5.14	0.023	
66	SA4	1250	353	-0.20	2.45	0.118	0.35	0.45	0.501	-0.01	1.21	0.271	
67	SA4	1250	353	-0.13	0.88	0.347	0.58	1.25	0.263	-0.01	2.04	0.153	
68	SA4	2423	661	-0.09	1.03	0.311	0.54	1.53	0.217	-0.01	2.16	0.141	
69	SA4	1250	353	-0.09	0.46	0.498	0.11	0.04	0.837	0.00	0.15	0.695	
70	SA4	1250	353	-0.38	9.03	0.003	-0.77	2.65	0.103	0.01	0.74	0.388	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.285: Logistic Regression DIF Results on Stage V Speaking Items for the American Indian Language/English Comparison

Focal Group: American Indian Language; Reference Group: English													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	19	353	0.79	1.97	0.160	3.25	0.65	0.419	-0.04	0.39	0.531	
64	SA4	35	661	0.57	2.44	0.118	-4.68	4.52	0.033	0.10	5.98	0.014	
65	SA4	19	353	-0.01	0.00	0.982	1.14	0.06	0.800	-0.02	0.07	0.798	
66	SA4	19	353	-0.11	0.05	0.824	3.38	0.93	0.334	-0.06	1.05	0.306	
67	SA4	19	353	0.16	0.08	0.783	7.62	3.18	0.074	-0.13	3.24	0.072	
68	SA4	35	661	0.21	0.35	0.552	3.46	2.59	0.108	-0.06	2.42	0.119	
69	SA4	19	353	0.59	0.98	0.322	-6.39	0.81	0.368	0.13	0.95	0.330	
70	SA4	19	353	0.38	0.62	0.432	5.35	2.52	0.112	-0.09	2.23	0.135	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

Table A.286: Logistic Regression DIF Results on Stage V Speaking Items for the FEP/ELL Comparison

Focal Group: FEP; Reference Group: ELL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	1853	2482	0.25	7.79	0.005	2.86	43.10	0.000	-0.04	37.49	0.000	NonUniform
64	SA4	3801	5230	-0.21	14.93	0.000	-1.34	24.52	0.000	0.02	17.90	0.000	NonUniform
65	SA4	1853	2482	0.10	1.04	0.308	0.54	1.38	0.240	-0.01	0.96	0.328	
66	SA4	1853	2482	0.06	0.45	0.502	1.12	5.49	0.019	-0.02	5.08	0.024	
67	SA4	1853	2482	-0.03	0.06	0.803	0.73	2.35	0.125	-0.01	2.61	0.106	
68	SA4	3801	5230	0.23	18.05	0.000	1.12	13.50	0.000	-0.01	8.72	0.003	NonUniform
69	SA4	1853	2482	-0.52	31.83	0.000	-0.53	1.31	0.252	0.00	0.00	0.974	Uniform<
70	SA4	1853	2482	0.65	73.85	0.000	3.53	72.09	0.000	-0.04	49.62	0.000	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

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Table A.287: Logistic Regression DIF Results on Stage V Speaking Items for the FRL/Non-FRL Comparison

Focal Group: FRL; Reference Group: Non-FRL													
				Uniform DIF			Non-uniform DIF						
Item	Item Type	NF	NR	β_1^{Uni}	Wald χ^2	p-value	β_1^{NUni}	Wald χ^2	p-value	β_2^{NUni}	Wald χ^2	p-value	Flag
63	SA4	0	4335	0.00			0.00			0.00			
64	SA4	1	9030	0.55	0.04	0.834	0.55	0.04	0.834	0.00			
65	SA4	0	4335	0.00			0.00			0.00			
66	SA4	0	4335	0.00			0.00			0.00			
67	SA4	0	4335	0.00			0.00			0.00			
68	SA4	1	9030	3.02	0.20	0.655	3.02	0.20	0.655	0.00			
69	SA4	0	4335	0.00			0.00			0.00			
70	SA4	0	4335	0.00			0.00			0.00			

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005.

A.5 Correlation among Domains

In this section, which corresponds to Section 10.2.2, correlations between raw scores on Total Combined score and the domain scores (Listening, Speaking, Reading, and Writing) for the AZELLA Stages II through V Placement tests by stage are presented in Table A.288 through Table A. 291. These correlations were not calculated for the Kindergarten Placement Test since only the total scale score is reported.

Table A.288: Correlations between Total Combined and Domains for The Stage II Assessment

	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.74	0.92	0.88	0.62
Listening	0.74	1.00	0.57	0.54	0.37
Reading	0.92	0.57	1.00	0.75	0.44
Writing	0.88	0.54	0.75	1.00	0.41
Speaking	0.62	0.37	0.44	0.41	1.00

Table A.289: Correlations between Total Combined and Domains for The Stage III Assessment

	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.72	0.88	0.89	0.61
Listening	0.72	1.00	0.53	0.50	0.40
Reading	0.88	0.53	1.00	0.71	0.36
Writing	0.89	0.50	0.71	1.00	0.41
Speaking	0.61	0.40	0.36	0.41	1.00

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Table A.290: Correlation between Total Combined and Domains for The Stage IV Assessments

	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.72	0.85	0.87	0.64
Listening	0.72	1.00	0.53	0.48	0.38
Reading	0.85	0.53	1.00	0.65	0.35
Writing	0.87	0.48	0.65	1.00	0.42
Speaking	0.64	0.38	0.35	0.42	1.00

Table A.291: Correlations between Total Combined and Domains for The Stage V Assessments

	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.80	0.90	0.90	0.71
Listening	0.80	1.00	0.63	0.62	0.53
Reading	0.90	0.63	1.00	0.76	0.47
Writing	0.90	0.62	0.76	1.00	0.54
Speaking	0.71	0.53	0.47	0.54	1.00

A.6 Classification Consistency and Accuracy

This section, which corresponds to Section 11.2, describes the analyses conducted to estimate classification consistency and accuracy for the Kindergarten Placement Test during the 2012-2013 school year and the AZELLA Stages II through V Placement assessments in the spring 2013 administration.

First, the scale score cut at Proficient and associated CSEM are presented for the Kindergarten Placement Test in Table A.292 through Table A.297 for the Stages II through V tests on Total Combined and domains (Listening, Speaking, Reading, and Writing). Note that this scale score may not be the exact Proficient level cut. The scale score used for CSEM is the lowest scale score that appears in the raw-to-scale score table for the cut. For the exact Proficient level cut on the total scale score for the Kindergarten Placement Test and on the Total Combined Scale Score for the Stages I through V assessments, please refer to Table 11.1 and Table 11.2, respectively. The exact Proficient level cut on the domains are set at 250.

Table A.292: CSEM at Proficient Cut for the Kindergarten Placement Test

Scale Score on Proficient Cut	CSEM
235	8

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Table A.293: CSEM at Proficient Cut on Total Combined Scale Score for the StageII through V Assessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
II	01	2386	12
	02	2428	13
III	03	2457	12
	04	2472	13
	05	2474	13
IV	06 – 08	2478	11
V	09 - 12	2508	12

Table A.294: CSEM at Proficient Cut on Listening Scale Score for the Stage II through V Assessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
II	01	252	12
	02	250	13
III	03	253	13
	04	252	15
	05	252	18
IV	06 – 08	255	16
V	09 - 12	250	13

Table A.295: CSEM at Proficient Cut on Speaking Scale Score for the Stage II through V Assessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
II	01	250	14
	02	253	14
III	03	260	23
	04	253	26
	05	253	32
IV	06 – 08	251	22
V	09 - 12	260	21

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Table A.296: CSEM at Proficient Cut on Reading Scale Score for the Stage II through V Assessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
II	01	251	8
	02	250	9
III	03	250	9
	04	251	10
	05	250	12
IV	06 – 08	252	11
V	09 - 12	251	9

Table A.297: CSEM at Proficient Cut on Writing Scale Score for the Stage II through V Assessments

Stage	Grade(s)	Scale Score on Proficient Cut	CSEM
II	01	253	10
	02	253	11
III	03	250	10
	04	250	12
	05	254	15
IV	06 – 08	251	12
V	09 - 12	253	11

Classification consistency and accuracy for the AZELLA Placement tests are presented in Table A.298 and Table A.299. These results are for classifying students whether they are Proficient or not based on the calibration sample for the the Kindergarten Placement Test and the AZELLA Stages II through V tests, respectively.

Table A.298: Classification Consistency and Accuracy for the Kindergarten Placement Test

Grade	N	Consistency	Inconsistency	Chance	κ	Accuracy	False Positive	False Negative
Kindergarten	23966	0.91	0.09	0.50	0.82	0.94	0.03	0.04

Note: Results were computed using BB-CLASS (Brennan, 2004).

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Table A.299: **Classification Consistency and Accuracy for the Stages II through V Assessments**

Stage	Grade(s)	N	Consistency	Inconsistency	Chance	κ	Accuracy	False Positive	False Negative
II	01	8289	0.87	0.13	0.53	0.73	0.91	0.05	0.04
II	02	6194	0.86	0.14	0.50	0.72	0.90	0.05	0.05
III	03	3122	0.91	0.09	0.74	0.65	0.94	0.04	0.02
III	04	3161	0.86	0.14	0.60	0.64	0.90	0.05	0.05
III	05	2483	0.84	0.16	0.53	0.67	0.89	0.05	0.06
IV	06-08	3067	0.87	0.13	0.60	0.67	0.91	0.05	0.04
V	09-12	2482	0.88	0.12	0.56	0.74	0.92	0.04	0.04

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Appendix B. AZELLA 2013-2014 PLACEMENT ADMINISTRATION RESULTS

This appendix presents the results of the AZELLA 2013-2014 operational administration from July 2013 through May 2014. The Kindergarten Placement Test and Stages II through V tests were used for placement only during this period. A revised AZELLA test form for Stages I through V was developed and used for reassessment at the end of the academic year, and those results are not included here. Analyses are provided for all the reporting strands. For the Kindergarten Placement Test, there is only one strand based on the total score. The following are the reporting strands for the Stages II through V Placement tests:

- Listening,
- Speaking,
- Reading,
- Writing,
- Language,
- Oral Communication (Listening + Speaking),
- Comprehension (Listening + Reading),
- Literacy (Reading + Writing), and
- Total Combined (Listening + Speaking + Reading + Writing).

Overall proficiency levels for the Stages II through V Placement assessments are determined based on the proficiency levels on Total Combined, Reading, and Writing. Students will be Overall Proficient only if they are Proficient on the Total Combined score plus both the Reading and Writing domains.

Table B.1 through Table B.4 show the percentages of students in each of the proficiency categories by grade for each strand. The table also provides the total N-counts corresponding to the proficiency categories.

Table B.5 through Table B.8 provide the raw score and scaled score descriptive statistics by grade. Note that there is no raw or scale score associated with Overall for the Stages II through V tests. The tables include the following information:

- number of students,
- means,
- median,
- standard deviations, and
- inter quartile range (IQR).

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Table B.1: Percent of Students at Each Proficiency Level on Kindergarten Placement Test

		*% at Proficiency Level		
Grade	**N**	**PE/E**	**B/I**	**P**
Kindergarten	23645	23	22	54

*PE/E = Pre-Emergent/Emergent, B/I = Basic/Intermediate, P = Proficient

Table B.2: Percent of Students at Each Proficiency Level in Overall by Grade for Stages II through V Tests

		*% at Proficiency Level			
Grade	**N**	**PE/E**	**B**	**I**	**P**
01	2812	36	31	23	11
02	2386	40	17	23	20
03	2160	41	20	23	16
04	1895	45	13	19	23
05	1655	40	13	18	29
06	1541	33	13	20	33
07	1666	32	12	18	38
08	1262	29	11	19	41
09	3262	45	8	15	32
10	1141	25	13	21	41
11	929	15	10	20	56
12	955	10	8	25	57

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

Table B.3: Percent of Students at Each Proficiency Level in Each Domain and Subdomain by Grade for Stages II through V Tests

			*% at Proficiency Level		
Grade	**Domain/Subdomain**	**N**	**PE/E/B**	**I**	**P**
01	Listening	2812	53	21	27
	Speaking	2812	53	17	30
	Reading	2812	68	16	16
	Writing	2812	69	18	13
	Language	2812	66	19	15
	Oral	2812	54	23	23
	Comprehension	2812	66	18	16
	Literacy	2812	72	13	15
02	Listening	2386	55	17	27
	Speaking	2386	51	20	29
	Reading	2386	55	12	33
	Writing	2386	59	16	25
	Language	2386	58	18	24
	Oral	2386	56	18	26
	Comprehension	2386	54	18	28
	Literacy	2386	58	15	27
03	Listening	2160	62	17	21
	Speaking	2160	59	18	23
	Reading	2160	58	21	22
	Writing	2160	59	15	26
	Language	2160	60	18	21
	Oral	2160	59	19	22
	Comprehension	2160	58	20	22
	Literacy	2160	61	17	22
04	Listening	1895	62	9	28

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Grade	Domain/Subdomain	N	*% at Proficiency Level		
			PE/E/B	I	P
	Speaking	1895	62	8	30
	Reading	1895	58	13	30
	Writing	1895	59	8	33
	Language	1895	60	10	30
	Oral	1895	61	16	24
	Comprehension	1895	57	15	27
	Literacy	1895	56	14	30
05	Listening	1655	55	8	37
	Speaking	1655	55	9	36
	Reading	1655	52	9	39
	Writing	1655	50	14	36
	Language	1655	53	10	37
	Oral	1655	56	13	31
	Comprehension	1655	51	12	37
	Literacy	1655	52	9	40
06	Listening	1541	51	19	30
	Speaking	1541	46	10	44
	Reading	1541	45	16	39
	Writing	1541	47	10	43
	Language	1541	45	11	44
	Oral	1541	50	16	34
	Comprehension	1541	49	13	38
	Literacy	1541	48	10	43
07	Listening	1666	46	19	35
	Speaking	1666	48	8	45
	Reading	1666	43	14	43
	Writing	1666	43	10	47
	Language	1666	44	9	47
	Oral	1666	47	15	38
	Comprehension	1666	45	12	42
	Literacy	1666	44	9	47
08	Listening	1262	42	19	39
	Speaking	1262	48	10	42
	Reading	1262	36	15	49
	Writing	1262	40	11	50
	Language	1262	40	11	49
	Oral	1262	45	17	38
	Comprehension	1262	39	13	48
	Literacy	1262	39	11	50
09	Listening	3262	52	9	39
	Speaking	3262	53	10	37
	Reading	3262	52	11	37
	Writing	3262	54	9	37
	Language	3262	52	10	38
	Oral	3262	54	8	38
	Comprehension	3262	52	11	37
	Literacy	3262	54	8	38
10	Listening	1141	37	13	50
	Speaking	1141	40	14	46
	Reading	1141	36	15	49
	Writing	1141	40	11	49
	Language	1141	38	13	48
	Oral	1141	40	13	47
	Comprehension	1141	36	16	48
	Literacy	1141	38	12	50
11	Listening	929	24	14	63
	Speaking	929	28	16	56
	Reading	929	23	12	64
	Writing	929	26	12	62
	Language	929	25	14	61

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Grade	Domain/Subdomain	N	*% at Proficiency Level		
			PE/E/B	I	P
	Oral	929	27	12	61
	Comprehension	929	25	14	61
	Literacy	929	25	11	64
12	Listening	955	21	14	66
	Speaking	955	21	18	61
	Reading	955	18	16	66
	Writing	955	20	14	66
	Language	955	19	15	66
	Oral	955	21	16	63
	Comprehension	955	19	16	65
	Literacy	955	20	12	68

*PE/E/B = Pre-Emergent/Emergent/Basic, I = Intermediate, P = Proficient

Table B.4: Percent of Students at Each Proficiency Level in Total Combined by Grade for Stages II through V Tests

Grade	N	*% at Proficiency Level			
		PE/E	B	I	P
01	2812	36	31	18	15
02	2386	40	17	17	26
03	2160	41	20	18	21
04	1895	45	13	14	28
05	1655	40	13	10	37
06	1541	33	13	14	39
07	1666	32	12	13	44
08	1262	29	11	14	46
09	3262	45	8	9	37
10	1141	25	13	14	48
11	929	15	10	14	61
12	955	10	8	16	66

*PE/E = Pre-Emergent/Emergent, B = Basic, I = Intermediate, P = Proficient

Table B.5: Raw Score Descriptive Statistics on Kindergarten Placement Test

Grade	N	Mean	Median	SD	IQR
Kindergarten	23645	28.66	33	11.63	15

Table B.6: Raw Score Descriptive Statistics in Each Domain and Subdomain by Grade for Stages II through V Tests

Grade	Domain/Subdomain	N	Mean	Median	SD	IQR
01	Listening	2812	12.70	12	7.11	10
	Speaking	2812	10.96	12	6.49	10
	Reading	2812	16.57	14	10.56	12
	Writing	2812	12.04	10	8.97	10
	Language	2812	31.56	31	17.55	26
	Oral	2812	23.66	24	12.22	18
	Comprehension	2812	29.27	28	16.35	18
	Literacy	2812	28.61	26	18.60	18
	Total Combined	2812	52.27	49	28.78	34
02	Listening	2386	15.36	16	7.82	12
	Speaking	2386	13.39	15	7.10	11

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Grade	Domain/Subdomain	N	Mean	Median	SD	IQR
	Reading	2386	24.58	24	13.44	22
	Writing	2386	17.65	18	10.94	18
	Language	2386	41.79	46	21.44	36
	Oral	2386	28.75	32	13.81	22
	Comprehension	2386	39.94	40	20.24	34
	Literacy	2386	42.23	42	23.61	38
	Total Combined	2386	70.98	73	36.05	60
03	Listening	2160	12.30	12	7.21	12
	Speaking	2160	15.58	19	8.20	13
	Reading	2160	19.54	18	11.59	16
	Writing	2160	20.51	20	13.69	24
	Language	2160	38.09	42	21.61	38
	Oral	2160	27.88	31	14.16	24
	Comprehension	2160	31.84	30	17.62	24
	Literacy	2160	40.05	40	24.29	36
	Total Combined	2160	67.93	71	36.89	59
04	Listening	1895	13.46	14	7.64	12
	Speaking	1895	15.85	19	8.42	14
	Reading	1895	22.62	22	13.21	22
	Writing	1895	23.15	24	14.90	26
	Language	1895	41.29	46	23.41	43
	Oral	1895	29.31	33	14.98	26
	Comprehension	1895	36.08	34	19.92	30
	Literacy	1895	45.77	46	27.31	46
	Total Combined	1895	75.08	79	40.92	71
05	Listening	1655	14.85	16	7.75	14
	Speaking	1655	16.74	21	8.42	14
	Reading	1655	25.86	26	13.78	22
	Writing	1655	26.22	30	15.43	28
	Language	1655	45.60	53	24.18	44
	Oral	1655	31.59	37	15.13	26
	Comprehension	1655	40.71	42	20.59	34
	Literacy	1655	52.08	54	28.39	50
	Total Combined	1655	83.67	91	42.29	75
06	Listening	1541	14.05	14	7.57	12
	Speaking	1541	15.71	19	8.21	15
	Reading	1541	25.17	24	13.73	20
	Writing	1541	24.76	24	15.22	26
	Language	1541	39.90	45	21.89	40
	Oral	1541	29.76	34	14.67	25
	Comprehension	1541	39.22	40	20.28	32
	Literacy	1541	49.93	50	28.07	46
	Total Combined	1541	79.69	84	41.33	70
07	Listening	1666	14.79	16	7.54	10
	Speaking	1666	15.77	19	8.20	14
	Reading	1666	26.67	26	14.35	22
	Writing	1666	26.25	26	15.79	28
	Language	1666	41.23	46	22.53	41
	Oral	1666	30.56	35	14.78	26
	Comprehension	1666	41.46	42	20.98	32
	Literacy	1666	52.92	54	29.31	50
	Total Combined	1666	83.48	88.5	42.81	73
08	Listening	1262	15.60	16	7.70	12
	Speaking	1262	15.71	19	8.13	14
	Reading	1262	28.58	28	14.17	22
	Writing	1262	27.98	28	15.91	28
	Language	1262	42.87	48	22.66	41
	Oral	1262	31.31	36	14.80	25
	Comprehension	1262	44.18	46	20.88	34
	Literacy	1262	56.56	56	29.20	50
	Total Combined	1262	87.87	93	42.73	72

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Grade	Domain/Subdomain	N	Mean	Median	SD	IQR
09	Listening	3262	12.12	12	9.76	22
	Speaking	3262	14.47	18	10.12	21
	Reading	3262	24.83	26	19.16	42
	Writing	3262	22.23	22	18.03	40
	Language	3262	31.87	37	23.34	47
	Oral	3262	26.59	30	19.23	39
	Comprehension	3262	36.95	38	28.39	64
	Literacy	3262	47.06	48	36.67	82
	Total Combined	3262	73.65	78	55.14	115
10	Listening	1141	16.02	18	8.13	12
	Speaking	1141	18.32	22	8.01	11
	Reading	1141	33.05	34	14.68	24
	Writing	1141	29.63	32	14.66	24
	Language	1141	41.06	47	18.05	28
	Oral	1141	34.33	38	15.07	24
	Comprehension	1141	49.06	52	21.86	36
	Literacy	1141	62.68	68	28.48	46
	Total Combined	1141	97.01	105	42.35	68
11	Listening	929	18.05	20	7.38	10
	Speaking	929	20.23	23	6.96	7
	Reading	929	37.83	42	13.55	20
	Writing	929	34.12	38	13.56	18
	Language	929	46.49	52	16.26	20
	Oral	929	38.28	43	13.31	16
	Comprehension	929	55.88	60	20.00	30
	Literacy	929	71.94	80	26.20	38
	Total Combined	929	110.22	121	38.38	52
12	Listening	955	18.67	20	6.67	10
	Speaking	955	21.38	24	5.82	4
	Reading	955	38.49	42	12.39	16
	Writing	955	35.25	38	11.80	14
	Language	955	48.54	52	13.61	15
	Oral	955	40.06	43	11.33	13
	Comprehension	955	57.16	62	18.05	26
	Literacy	955	73.74	78	23.23	30
	Total Combined	955	113.80	122.0	33.19	42

Note: Raw score in Language is no present due to unavailability in Student Data

Table B.7: Scale Score Descriptive Statistics on Kindergarten Placement Test

Grade	N	Mean	Median	SD	IQR
Kindergarten	23645	229.61	238	43.04	50

Table B.8: Scale Score Descriptive Statistics in Each Domain and Subdomain by Grade for Stages II through V Tests

Grade	Domain/Subdomain	N	Mean	Median	SD	IQR
01	Listening	2812	222.52	222	55.05	51
	Speaking	2812	219.07	228	48.42	48
	Reading	2812	216.48	216	42.61	35
	Writing	2812	205.11	209	52.51	38
	Language	2812	214.36	217	39.59	42
	Oral	2812	221.96	225	40.93	44
	Comprehension	2812	218.67	222	41.92	33
	Literacy	2812	213.28	216	42.41	30
	Total Combined	2812	2308.84	2313	91.22	74

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Grade	Domain/Subdomain	N	Mean	Median	SD	IQR
02	Listening	2386	224.28	223	63.59	64
	Speaking	2386	217.22	225	48.58	62
	Reading	2386	222.99	224	48.69	60
	Writing	2386	213.29	217	56.47	63
	Language	2386	215.49	222	45.85	62
	Oral	2386	218.60	226	44.41	59
	Comprehension	2386	221.84	223	47.74	61
	Literacy	2386	218.50	221	48.08	58
	Total Combined	2386	2354.65	2364	106.55	132
03	Listening	2160	214.33	218	52.66	65
	Speaking	2160	214.59	220	50.84	60
	Reading	2160	215.61	219	48.30	47
	Writing	2160	209.13	212	57.60	77
	Language	2160	212.62	216	48.45	67
	Oral	2160	214.78	219	43.66	60
	Comprehension	2160	215.56	219	45.78	46
	Literacy	2160	212.11	219	50.41	56
	Total Combined	2160	2375.67	2390	108.04	121
04	Listening	1895	212.90	217	58.55	71
	Speaking	1895	209.10	208	57.79	84
	Reading	1895	217.07	220	55.13	72
	Writing	1895	210.67	213	64.85	94
	Language	1895	210.88	212	58.36	93
	Oral	1895	209.72	213	51.03	77
	Comprehension	1895	215.36	215	52.40	62
	Literacy	1895	213.19	217	57.41	80
	Total Combined	1895	2394.33	2407	116.39	149
05	Listening	1655	217.95	223	65.50	104
	Speaking	1655	212.05	218	69.56	126
	Reading	1655	227.03	228	63.82	85
	Writing	1655	221.99	230	79.69	129
	Language	1655	219.03	224	74.49	124
	Oral	1655	212.14	221	61.97	99
	Comprehension	1655	223.21	226	60.10	86
	Literacy	1655	223.35	225	68.14	107
	Total Combined	1655	2418.29	2432	117.68	163
06	Listening	1541	223.35	224	60.91	77
	Speaking	1541	230.80	232	66.50	110
	Reading	1541	230.94	232	59.23	68
	Writing	1541	236.26	234	69.47	95
	Language	1541	233.88	238	66.60	104
	Oral	1541	224.17	231	55.25	78
	Comprehension	1541	228.18	233	56.07	72
	Literacy	1541	233.34	236	61.66	81
	Total Combined	1541	2435.62	2451	121.49	136
07	Listening	1666	229.73	236	61.72	63
	Speaking	1666	233.71	232	69.35	106
	Reading	1666	237.41	239	61.91	75
	Writing	1666	243.78	241	72.62	104
	Language	1666	239.76	241	69.82	110
	Oral	1666	228.86	234	56.89	84
	Comprehension	1666	234.56	238	58.22	72
	Literacy	1666	240.11	243	64.57	89
	Total Combined	1666	2448.47	2459	118.92	144
08	Listening	1262	236.43	236	64.02	79
	Speaking	1262	232.34	232	68.16	106
	Reading	1262	245.19	245	60.60	74
	Writing	1262	252.01	248	73.80	107
	Language	1262	245.32	247	71.75	113
	Oral	1262	232.14	238	58.08	85
	Comprehension	1262	241.78	246	57.54	77

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Grade	Domain/Subdomain	N	Mean	Median	SD	IQR
	Literacy	1262	247.98	246	64.19	89
	Total Combined	1262	2460.55	2468	115.00	146
09	Listening	3262	209.94	220	81.40	174
	Speaking	3262	222.54	223	74.54	112
	Reading	3262	211.36	224	80.27	169
	Writing	3262	209.81	217	80.70	180
	Language	3262	214.35	223	72.21	113
	Oral	3262	215.36	222	70.28	107
	Comprehension	3262	209.98	223	77.12	171
	Literacy	3262	209.99	221	78.02	174
	Total Combined	3262	2404.51	2451	193.64	260
10	Listening	1141	246.85	250	66.01	64
	Speaking	1141	247.79	248	59.35	73
	Reading	1141	247.21	245	58.08	69
	Writing	1141	245.32	249	59.70	83
	Language	1141	243.04	248	52.38	76
	Oral	1141	244.55	243	53.29	74
	Comprehension	1141	245.72	247	55.20	68
	Literacy	1141	245.37	250	55.12	72
	Total Combined	1141	2494.54	2501	112.89	141
11	Listening	929	259.91	262	59.66	61
	Speaking	929	260.26	260	55.03	81
	Reading	929	264.84	269	54.50	62
	Writing	929	263.45	272	55.82	70
	Language	929	259.20	265	49.24	69
	Oral	929	256.82	261	48.02	60
	Comprehension	929	261.15	262	50.04	62
	Literacy	929	262.93	270	50.98	67
	Total Combined	929	2527.77	2538	98.64	127
12	Listening	955	264.11	262	54.80	61
	Speaking	955	266.87	278	49.57	64
	Reading	955	265.39	269	48.30	52
	Writing	955	266.71	272	48.42	57
	Language	955	262.94	265	42.29	55
	Oral	955	261.33	261	42.60	53
	Comprehension	955	262.81	266	43.84	55
	Literacy	955	264.88	267	44.36	55
	Total Combined	955	2533.50	2540	84.24	106

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