AZELLA

Arizona English Language Learner Assessment

2013
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).

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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).

Several committees met throughout the year in preparation for the Stages I through V spring assessments. 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 available at http://www.azed.gov/standards-development-assessment/files/2014/02/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 AERA/APA/NCME standards are addressed: 1.2, 1.6, 3.1, 3.2, 3.3, 3.11, 6.4, 6.15, 13.3, and 13.5.

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 available at http://www.azed.gov/standards-development-assessment/files/2014/02/azella_ft_tech_report_2013_final_0214.pdf. 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%**	**31%**	**33%**	**33%**	**33%**
Print Concepts/Phonemic Awareness/Decoding	43%	50%	44%	35%	25%	21%
Comprehension	57%	50%	56%	65%	75%	79%
Writing	**5%**	**28%**	**31%**	**33%**	**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	**26%**	**22%**	**19%**	**17%**	**17%**	**17%**
Comprehension	100%	100%	100%	100%	100%	100%
Speaking	**48%**	**22%**	**19%**	**17%**	**17%**	**17%**
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

Chapter 4 of the technical report addresses the procedures used to construct the AZELLA tests. 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).

4.1 General Goals of Spring 2013 AZELLA 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. The two Spring 2013 AZELLA test forms were equated using horizontal linking items. The linking items allowed for the scaling of Forms A and B together to provide a common scale across the two forms. Approximately 20 percent of the Spring 2013 AZELLA items per form were linking items; the remaining 80 percent of the Spring 2013 AZELLA items were unique to each form. Stages II–V included approximately 15 unique vertical scaling items. The vertical scaling items were included to support the development of a vertical scale across Stages I–V. The vertical scaling items on the Stages II-V tests were selected from the adjacent lower stage. For Stage I, there were no vertical scaling items selected because there is no stage below Stage I from which to select items. In place of vertical scaling items for the two Stage I forms, field-test items were included. For specifics on stage-specific considerations for the Spring 2013 AZELLA form selections, see section 4.4.

4.2 Item Selection Criteria

The following criteria were considered when evaluating which items would be selected for the Spring 2013 AZELLA forms:

- the number of different types of items in each domain
- the desired balance of item types
- the balance of content representation for the unique, vertical, and horizontal scaling items (with the goal of selecting items that reflect a diversity of indicators)
- the range of item difficulties
- the discrimination of items between ELL and non-ELL students

In addition, specific rules were developed by stage as indicated below.

<u>For all stages</u>:
The target value for average difference in Rasch values between Forms A and B was targeted to be no greater than 0.10.

<u>Stage I</u>:

- The number of points for the entire form must be the same for Form A and Form B.
- The number of points must be the same in Form A and Form B for each domain.
- The unique items and linking items should be representative of the overall blueprint whenever possible.

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Stages II–V:

- The number of points for the entire form, including vertical scaling items, must be the same for Form A and Form B.
- The number of points, including vertical scaling items, must be the same in Form A and Form B for each domain.
- The unique, linking, and vertical scaling pools should be representative of the overall blueprint whenever possible.

4.3 Item Selection Process

ADE, Pearson, and WestEd worked collaboratively to identify the best set of items for the Spring 2013 AZELLA forms. Prior to the item selection process, the following materials were compiled by WestEd and made available to ADE and Pearson staff:

- Stage-specific test blueprints.
- Item cards which included the wording and metadata for each item as well as item statistics and staff notes.
- Preliminary test maps.
- Item distribution targets indicating the approximate goals for the number of field test (for Stage I), vertical, and horizontal scaling items.

Initially, the ADE staff made preliminary item selections for Forms A and B for Stage V based on the Rasch values of the items and a balance of content being assessed within forms. WestEd staff reviewed these preliminary selections and noticed some instances where there was an imbalance of content between the two forms. After adjusting the selections with both content and psychometric considerations in mind, WestEd and ADE staff were able to balance the content representation and improve the overall Rasch values of both forms. Pearson's psychometrics staff confirmed the statistical acceptability of the forms. For subsequent stages, WestEd staff made selections by domain and then had Pearson confirm the psychometric appropriateness of the item selections. Once Pearson's approval was received, WestEd submitted the item selections to ADE for review and approval. The steps WestEd followed when constructing forms for each domain and stage are outlined below.

Step 1. Assign linking and unique items to positions on forms:

i. Select the most desirable items for linking and unique items.
ii. Determine which items shall function as linking items.
iii. Determine which items shall function as unique items.
iv. Place the items (both linking and unique) on forms in order of Rasch difficulty and then rearrange the items based on content.
v. Document relative positions of items (both linking and unique).

Step 2. Record and evaluate the linking and unique item selection:

i. Enter the selections into the test map.

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ii. Calculate the average of Rasch values for Form A and Form B by domain and for the overall form.
iii. Check for key runs to ensure there are no more than three of the same correct answers in a row.
iv. Review by ADE staff in consultation with WestEd content staff.

Step 3. Revise and finalize the Spring 2013 AZELLA selection and spreadsheet documentation as needed.

Step 4. Assign vertical items to positions on forms (Stages II–V):
i. Review the Spring 2013 AZELLA selections from the prior stage (item cards and test map draft).
ii. Select items for vertical linking.
iii. Select and document relative positions for vertical scaling items.

Step 5. Record and evaluate the vertical scaling item selection:
i. Enter the selection into the test map.
ii. Check key runs to ensure that there are no more than three of the same correct answer in a row.

Step 6. Submit vertical scaling selections to Pearson for review and approval.

Step 7. Submit test map and item cards to ADE for review and approval.

Step 8. Following the approval by ADE, create a constructed set of the item cards and finalize the test map for upload for both ADE and Pearson.

Table 4.1 through Table 4.5 provide the mean Rasch values for Forms A and B by stage and domain within stage. In addition, the average difference between the Rasch values for the two forms are also reported. The target criterion of a mean difference no greater than 0.10 was achieved for all stages. Further, it was met at the domain level for all stages except for the Listening domain at Stage I.

Table 4.1: Average Rasch Values and Differences by Stage and Domain for Forms A and B for Stage I

	Form A	Form B	Average Rasch Difference
Stage I	0.31	0.30	0.01
LISTENING	–0.02	0.14	0.16
PREREADING	0.20	0.12	0.09
PREWRITING	0.77	0.74	0.03
SPEAKING	0.64	0.55	0.09

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Table 4.2: Average Rasch Values and Differences by Stage and Domain for Forms A and B for Stage II

	Form A	Form B	Average Rasch Difference
Stage II	0.21	0.17	0.04
LISTENING	–0.05	–0.05	0.01
READING	0.17	0.08	0.09
WRITING	0.39	0.35	0.04
ORAL READING/SPEAKING	0.39	0.39	0.00

Table 4.3: Average Rasch Values and Differences by Stage and Domain for Forms A and B for Stage III

	Form A	Form B	Average Rasch Difference
Stage III	0.15	0.14	0.01
LISTENING	–0.05	–0.05	0.00
READING	0.45	0.42	0.03
WRITING	-0.04	-0.06	0.02
ORAL READING/SPEAKING	0.09	0.12	0.02

Table 4.4: Average Rasch Values and Differences by Stage and Domain for Forms A and B for Stage IV

	Form A	Form B	Average Rasch Difference
Stage IV	0.25	0.27	0.02
LISTENING	–0.09	–0.08	0.01
READING	0.38	0.46	0.08
WRITING	0.34	0.30	0.04
ORAL READING/SPEAKING	0.22	0.24	0.02

Table 4.5: Average Rasch Values and Differences by Stage and Domain for Forms A and B for Stage V

	Form A	Form B	Average Rasch Difference
Stage V	0.30	0.28	0.02
LISTENING	0.23	0.20	0.02
READING	0.27	0.25	0.02
WRITING	0.43	0.41	0.03
SPEAKING	0.16	0.18	0.03

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4.4 Stage-Specific Considerations for the Spring 2013 AZELLA Forms Selection

Stage I: No vertical scaling items were selected for Stage I because there is no stage below Stage I from which to select items. Instead of adding vertical scaling items to the Stage I forms, field-test items were selected and added. These field-test items came from three item pools: Stage II items that were deemed too easy for Stage II based on data-review results from the 2011 field test; Stage I items that were written but never field tested (these items passed content and bias reviews on 8/27/11); and items that were written for the Kindergarten Placement Test but were never placed on the operational form. These field-test items were added to the end or the beginning of the different item types in each domain. The number of field-test items on the two Spring 2013 AZELLA Stage I test forms matched the item distribution targets for vertical scaling items on the Stages II–V forms.

Stages II–V: The vertical scaling items selected for the Stages II–V forms were placed within three positions of their positions in the previous stage. The number of vertical scaling items matched the item distribution target for vertical scaling items that was dictated by the psychometrics team.

4.5 Domain-Specific Considerations for the Spring 2013 AZELLA Forms Selection

Reading domain: WestEd staff followed psychometric requirements for placing the vertical scaling items for this domain, but the task was complicated by the difference in item formats between Stages II and III and between Stages III and IV. There were more discrete Reading items in Stage II than in Stage III. Also, the Reading items in Stages III–V are all passage-based, so discrete Reading items had to be placed carefully.

Speaking domain: Pearson Knowledge Technologies (Pearson KT) which handles the administration and scoring of the phone delivered speaking subtest, recommended a “short list” of Speaking items, based on item statistics such as point biserial, human/human agreement rate, and human/machine agreement rate. Pearson KT wanted to ensure that machine scoring of the Speaking items was on a comparable level with human scoring. This “short list” of items was provided to ADE staff, in order to select items that met both the content and scoring requirements.

4.6 Development and Review of Camera-Ready Spring 2013 AZELLA Test Forms

Development of the camera-ready Spring 2013 AZELLA test forms started with Stages III through V and then proceeded to Stages I and II. Development proceeded in this fashion because WestEd had to wait for the Stage I data review meeting to conclude, in order to select the vertical scaling items from Stage I that would be inserted into Stage II. WestEd completed development of an entire stage at a time, starting with the Listening domain and ending with the Speaking domain, before moving on to the next stage.

The Student Test Book (Listening, Reading, and Writing), the Speaking Test Book, 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 forms and returned marked-up pages to WestEd. For the

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round 2 review, WestEd implemented any requested revisions and uploaded the pages to ADE for comment. ADE then reviewed the forms and returned marked-up pages to WestEd. If a round 3 review was needed, the same steps were followed as those performed at round 2. Once approved by ADE, the camera-ready files were produced by WestEd and uploaded to Pearson for printing and distribution.

4.7 Development and Review of Test Maps

Test maps were initially developed in conjunction with the forms selection and were developed in accordance with the Student and Speaking Test Book development. The test maps were updated if any replacements or changes to items were made. Once ADE approved the camera-ready files, the test maps for the approved tests were uploaded to Pearson, which maintains the AZELLA item bank.

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Chapter 5. TEST ADMINISTRATION

This section describes how the Kindergarten Placement Test for the 2012-2013 school year and the Spring 2013 AZELLA Stages I through V tests 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 AERA/APA/NCME standards are addressed: 1.13, 3.3, 3.19, 3.20, 3.21, 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.

5.1 Accommodation

There were a number of test accommodations that were available for students who took the Spring 2013 AZELLA Stages I through V tests. A list of accommodations that were available or unavailable for the administration is presented in Table 5.1.

Table 5.1: Test Accommodations

Accommodations	Acceptable	Not Acceptable
Timing/Scheduling • Breaks between subtest	X	
• Time of day most beneficial for student	X	
• Frequent breaks within a subtest	X	
• Time as needed	X	
Setting/Administration • Test in a small group	X	
• Test individually	X	
• Environmental modification: Location with minimal distractions, preferential seating, noise buffers	X	
Presentation Format • Repeating directions in English	X	
• Simplifying directions in English	X	
• Color overlay for use by visually impaired students	X	
• Use of hearing devices for hearing impaired students: hearing	X	

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aids or amplification		
• Reading aloud any test questions or prompts when not required by test directions		X
Response Format • Use of special pencil or pencil grip	X	
• Scribe to assist in cases of injury such as broken arm or hand for bubble answers (e.g., multiple choice)	X	
• Scribe to assist in cases of injury such as broken arm or hand for written responses		X
• Oral response in native language		X
Other • Translation into any language		X
• Use of dictionaries		X
• Use of word list/glossaries		X
Test Modifications • Enlargement of test material for use by visually impaired students	X	

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 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.

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- 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).

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.

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5.3.2 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 5.2 were provided for AZELLA Spring 2013 AZELLA test administration:

Table 5.2: 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).

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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.

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 2013 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 2013 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 thoroughly learn the rubric and score responses according to the scoring guidelines developed for the AZELLA assessment.

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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.

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

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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 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

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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 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

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(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:

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

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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

6.2.6.1 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 6.1 is a summary of results for each Stage.

Table 6.1: Cronbach alpha across Stages

Stage	Human Cronbach alpha	Machine Cronbach alpha
I	0.77	0.80
II	0.91	0.91
III	0.93	0.93
IV	0.93	0.94
V	0.94	0.94
Average	0.897	0.903

6.2.6.2 Test-Level Score

The calculation of test-level speaking scores excluded Oral Reading items. The analyses on the Oral Reading items were conducted and presented separately. The various machine-scored components of speech described above were combined into a final holistic score on a continuous scale for each test item. This is true regardless of the number of points assigned to each item by human scorers based on the scoring rubric. These continuous holistic scores were then converted to discreet numeric scores that match the scoring rubric.

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To generate a test-level speaking score (a participant-level speaking domain score), a repeat holistic score and a non-repeat holistic score were first produced, which were then summed to arrive at a test-level speaking score.

For every non-repeat item, one holistic score was generated that accounted for response content, pronunciation, and fluency. The final non-repeat holistic scores at the participant level were the simple average from the corresponding item level scores, which had been converted to discreet score scale of the scoring rubric.

For every repeat item, scores for three traits were generated: Pronunciation, Fluency, and Accuracy. The holistic score for a repeat response equals to (50% * Accuracy + 25%* Pronunciation + 25% * Fluency). The final holistic repeat score was the simple average of the 10 repeat items.

To ensure that the weights of repeat items and non-repeat items in the total speaking score conformed to the specification for the relative weight of the two types of items in the preliminary test blueprints, the non-repeat score and the repeat score were converted to the total number of points specified for each type of item in the test blueprint. The final test-level speaking domain score was the sum of these two item type specific scores.

Test-Level Speaking Score
Using the method specified above, a test-level speaking domain score was calculated for each test-taker in a pre-designated validation dataset (separate from the development dataset that was used to train the scoring engine). For each item, there were two (or more) human scores and one machine score. In order to evaluate the performance of the machine scoring method, for each Stage the correlation between the two human scores was computed. The correlation between the machine score and the average human score for each Stage was then computed, on the assumption that the average of the two human scores is a more accurate reflection of a test-taker's ability. The results are summarized in Table 5.15.

Table 6.2: Human-Human Correlation and Machine-Human Correlation for Test-level Holistic Scores

Stage	Human-Human Correlation *r*	Machine-Human Correlation *r*
I	0.94	0.86
II	0.98	0.94
III	0.99	0.93
IV	0.98	0.95
V	0.99	0.93
Average	0.97	0.92

On average, the machine-human correlation across Stages was 0.92, which suggested that machine-generated scores strongly correlated with human ratings. To help visualize this correlation, scatterplots for human and machine scores for each Stage are shown in Figure 6.1.

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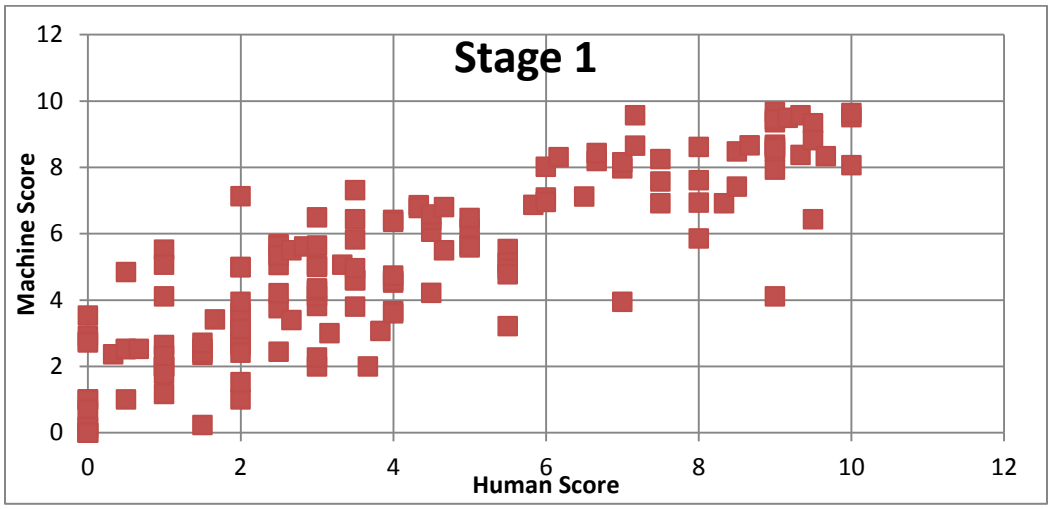

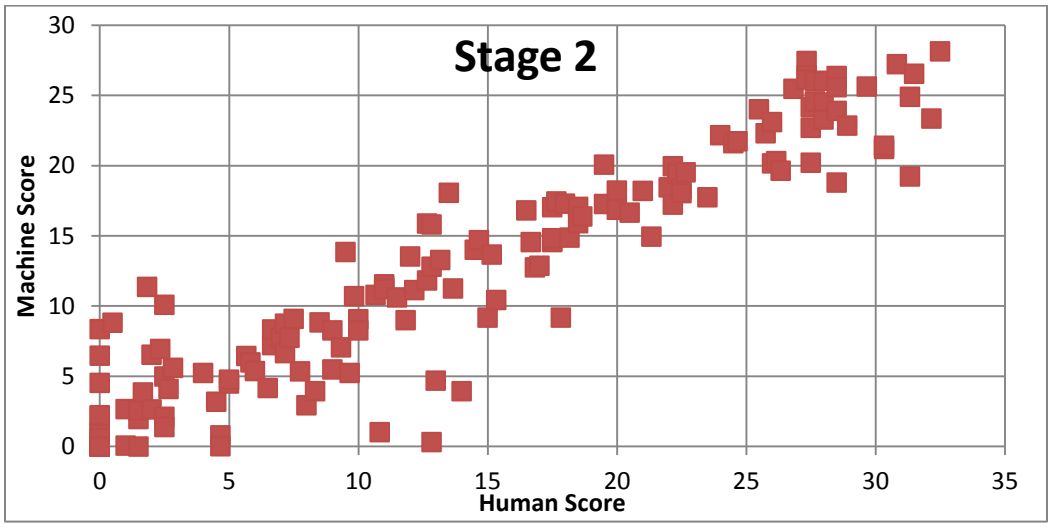

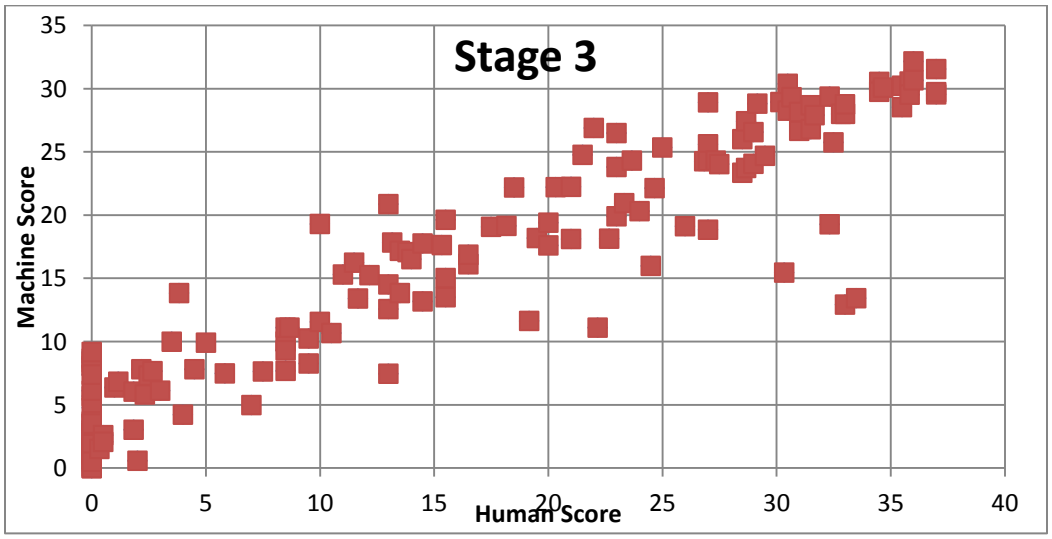

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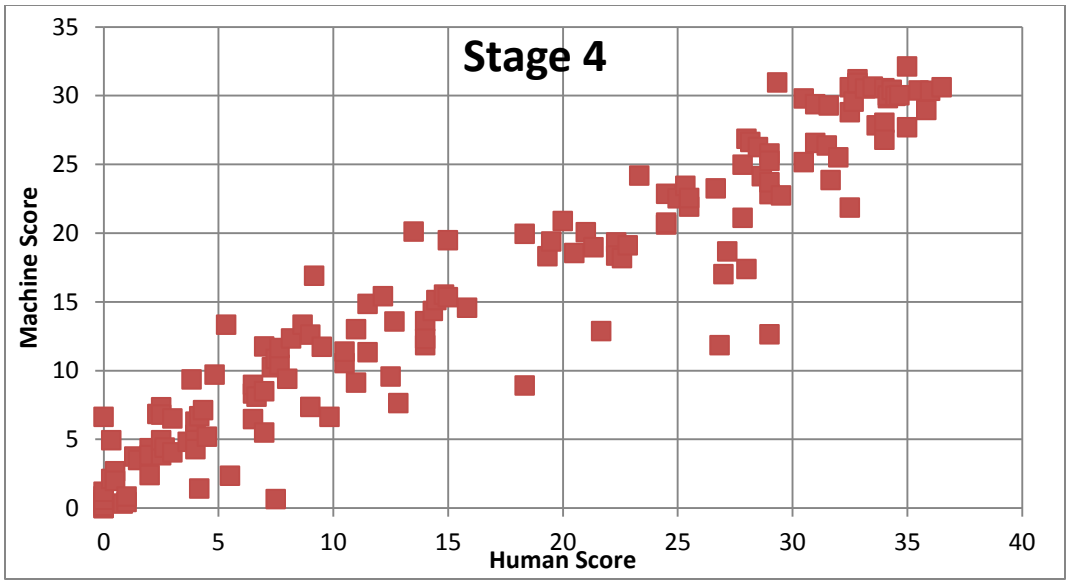

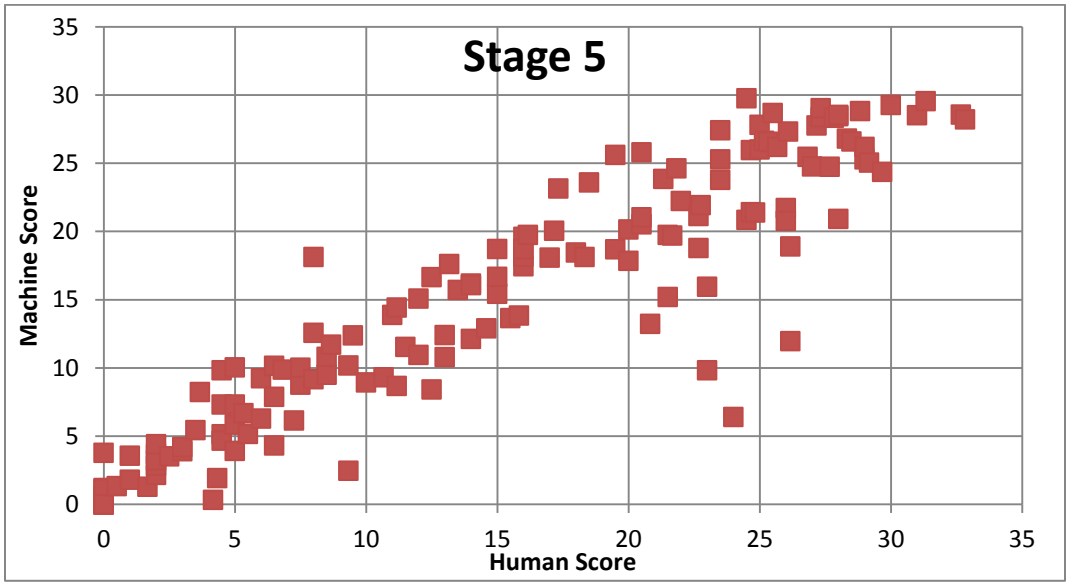

Figure 6.1: Scatterplots of Human and Machine Test-level Overall Scores for each Stage.

The scatterplots in general showed 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 as human raters. Although there were still outliers, the data suggest that the performance of the machine scoring method is in general comparable to the human rating approach.

6.6.3.3 Item-Level Performance

In addition to the test-level performances, how machine-generated scores compared to human scores on the item level was also examined. Specifically, it is important to understand how machine scoring performed across different item types in the AZELLA Speaking domain.

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Performance of Different Item Types

In this section, item-level correlation results at each Stage are presented. It is important to note that item-level results tend to have more variability compared to test-level scores. To evaluate the validity of the machine scoring method, there should be a focus on test-level performance. However, item-level performance is useful for diagnosing potential item issues and evaluating the fit of the items.

The speaking items were categorized into different item types based on their general content and scale. Then the human performance on each item type was analyzed and compared with the machine performance. Repeat items were excluded from the analysis since no human rating was conducted for Repeats. The results are summarized in Table 6.3 through Table 6.7.

Table 6.3: Stage I Speaking Item Types

Item Type	Human-Human correlation	Machine-Human correlation
Picture Naming	0.87	0.71
Short Response	0.89	0.73
Open Question	0.89	0.78

Table 6.4: Stage II Speaking Item Types

Item Type	Human-Human correlation	Machine-Human correlation
Questions about an image	0.93	0.85
Give directions from a map	0.92	0.86
Open questions about a topic	0.89	0.85
Give instructions to do something	0.95	0.84

Table 6.5: Stage III Speaking Item Types

Item Type	Human-Human correlation	Machine-Human correlation
Questions about an image	0.94	0.77
Similarities and differences	0.95	0.82
Questions about a statement	0.97	0.86
Give instructions to do something	0.98	0.90
Open questions about a topic	0.92	0.86
Detailed responses to a topic	0.96	0.89

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Table 6.6: Stage IV Speaking Item Types

Item Type	Human-Human correlation	Machine-Human correlation
Questions about an image	0.94	0.86
Give directions from a map	0.91	0.87
Detailed response to a topic	0.93	0.86
Give instructions to do something	0.96	0.91

Table 6.7: Stage V Speaking Item Types

Item Type	Human-Human correlation	Machine-Human correlation
Question about an image	0.94	0.84
Open questions about a topic	0.93	0.89
Detailed response to a topic	0.96	0.87
Give directions from a map	0.95	0.81

Summary

The reported validation analyses indicate that Pearson's automated scoring models can correspond closely to human ratings for the AZELLA Speaking test. The strength of the relationship between human and machine scores varies by item type with correlations ranging from 0.71 to 0.91 and the majority being above 0.85. The average machine-to-human correlation for total speaking score across Stages was 0.92. Machine scoring at the total speaking score level is consistently accurate across all Stages of AZELLA testing as evidenced by the correlations shown in Table 5.15 (all $r \geq .86$). This supports the validity of machine-generated scores for the AZELLA spoken responses.

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Chapter 7. CLASSICAL ITEM ANALYSIS

This chapter presents classical statistics for the AZELLA Kindergarten Placement Test based on the data from the 2012-2013 school year and the data used for calibration, equating, and scaling for the Spring 2013 AZELLA Stages I through V tests. Addressed in this part of the technical report are the following AERA/APA/NCME standards: 1.5, 1.13, 2.4, 2.8, 3.18, 6.5, and 7.1.

7.1 Data

The AZELLA Kindergarten Placement Test was administered for 13 testing cycles during the 2012-2013 school year. The classical analysis for the Kindergarten Placement test was conducted based on population data contained within the final electronic data file, using only valid and complete scores.

The demographic information in the population data for the Kindergarten Placement Test is summarized in Table 7.1. The demographic information includes numbers of students by gender, by whether or not the student is Hispanic, by ethnicity and home language, and by ELL classification (IFEP or ELL), special education (Special Ed.), and free/reduced lunch (F/R Lunch or FRL) status.

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Table 7.1: Frequency of Students by Subgroups for the Kindergarten Placement Test in the School Year 2012-2013

		Kindergarten Placement Test
ALL		23966
ELL Status	ELL	10347
	IFEP	12155
Gender	Male	12228
	Female	11738
Hispanic	Hispanic	20334
	Non-Hispanic	3632
Ethnicity	Asian	1107
	American Indian or Alaskan Native	927
	Black or African American	343
	Native Hawaiian or Other Pacific Islander	57
	Multiple Indication	129
	White	14993
Special Ed.	Special Ed.	1881
	Non-Special Ed.	20621
Home Language	English	37
	Spanish	14814
F/R Lunch	FRL	17317
	Non-FRL	5185

The test window for the Spring 2013 AZELLA Stages I through V tests was open between January 14, 2013 and February 22, 2013. The classical item analysis for the Spring 2013 AZELLA Stages I through V tests was conducted based on the calibration samples, which were ELL students as described in Chapter 7. For the Spring 2013 AZELLA Stages I through V tests, IFEP students at Stage I and Fluent English Proficient (FEP) students at Stages II through V also 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 to compare the performance of the ELL students on the field test items with the non-ELL students. The non-ELL students did not participate in the spring 2013 administration because they are not a part of the population of interest for the assessment 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 2013 AZELLA Stages I through V tests (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 7.2. Note that the number of FRL students includes both ELL and FEP students.

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Table 7.2: Frequency of Students by Subgroups for the 2013 Spring Stage I through V Assessments

			Stage I	Stage II	Stage III	Stage IV	Stage V
ALL			21761	41346	38576	19493	9031
ELL			10298	28939	17672	6209	5230
	Gender	Male	5419	15360	10183	3664	2919
		Female	4877	13574	7480	2540	2309
	Hispanic	Hispanic	9299	25070	15181	4855	3482
		Non-Hispanic	999	3869	2491	1354	1748
	Ethnicity	Asian	373	1062	639	399	620
		American Indian or Alaskan Native	439	1961	1693	230	321
		Black or African American	115	500	382	72	382
		Native Hawaiian or Other Pacific Islander	27	146	109	609	155
		Multiple Indication	34	186	147	44	35
		White	7990	24013	13845	4488	3298
	Special Ed.	Special Ed.	809	2629	2840	1201	634
		Non-Special Ed.	9489	26310	14832	5008	4596
	Home Language	American Indian	40	262	210	108	35
		English	823	4344	2296	678	661
		Spanish	7420	20293	11625	3639	2146
FEP		IFEP	11463	0	0	0	0
		FEP	0	12407	20904	13284	3801
F/R Lunch		FRL	16318	33399	32169	16296	6267
		Non-FRL	4814	7417	5902	2827	2372

7.2 Descriptive Statistics by Test

Table 7.3 presents descriptive statistics on Total raw scores for the Kindergarten Placement Test during the 2012-2013 school year. 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 7.3: Classical Test Analysis Statistics for the Kindergarten Placement Test during the School Year 2012-2013

N	Max RS Obtained	Mean RS	SD RS	Mean P-value	Mean rpb
23966	42	28.79	11.42	0.69	0.62

Table 7.4 presents descriptive statistics on Total Combined raw scores for the Spring 2013 AZELLA Stage I through V assessments by stage and also by grade for each of the forms. The table shows the number of students in the calibration samples (N), Max RS, Mean RS, RS SD, P-value M, Mean *rpb*.

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Table 7.4: Classical Test Analysis Statistics for the Spring 2013 AZELLA Stage I through V Assessments

Stage	Grade	Form	N	Max RS Obtained	Mean RS	SD RS	Mean P-value	Mean rpb
I	Kindergarten	A	5148	62	36.08	9.95	0.59	0.36
		B	5150	62	36.37	10.10	0.59	0.37
II		A	14456	137	82.84	21.93	0.56	0.36
		B	14483	139	84.75	23.36	0.59	0.38
	1	A	8266	131	75.31	20.12	0.51	0.32
	1	B	8289	135	76.45	21.41	0.53	0.34
	2	A	6190	137	92.91	20.14	0.63	0.35
	2	B	6194	139	95.86	21.15	0.66	0.37
III		A	8906	150	88.36	22.92	0.53	0.35
		B	8766	155	90.29	22.93	0.56	0.37
	3	A	3383	138	78.14	20.78	0.46	0.31
	3	B	3122	149	80.01	20.76	0.49	0.33
	4	A	3089	150	92.50	21.63	0.55	0.34
	4	B	3161	155	93.06	22.25	0.57	0.36
	5	A	2434	150	97.30	21.95	0.59	0.35
	5	B	2483	153	99.68	21.30	0.62	0.35
IV		A	3142	160	86.08	23.59	0.50	0.34
		B	3067	154	84.44	22.70	0.49	0.32
	6	A	1690	156	87.22	22.19	0.51	0.33
	6	B	1552	149	85.38	20.93	0.50	0.31
	7	A	832	150	82.77	24.19	0.48	0.34
	7	B	867	146	81.57	23.40	0.48	0.33
	8	A	620	160	87.38	26.00	0.51	0.37
	8	B	648	154	86.04	25.38	0.51	0.36
V		A	2748	157	90.48	24.19	0.52	0.34
		B	2482	161	93.42	27.89	0.54	0.39
	9	A	804	152	83.63	24.89	0.48	0.34
	9	B	697	161	85.28	28.94	0.50	0.39
	10	A	784	147	89.22	23.24	0.52	0.33
	10	B	666	157	93.39	27.87	0.54	0.39
	11	A	567	157	94.13	22.95	0.54	0.34
	11	B	536	159	97.64	27.16	0.56	0.39
	12	A	593	156	97.95	22.88	0.56	0.34
	12	B	583	155	99.29	24.86	0.58	0.37

7.3 Classical Item Analysis

Classical item analysis was conducted for the Kindergarten Placement Test and Stage I through V assessments. Item statistics for the tests are presented in Table 7.5 through Table 7.27. Note that operational items on two operational forms for the Stage I through V assessments are reported in a sequence of item ID. The number of students (N-Count), P-value, point-biserial correlation between an item and Total Combined raw score (Pbis Total), point-biserial

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correlation between an item and its respective domain (Pbis Domain) for ELL students are summarized by domain in the tables. Since there is no domain score reported for the Kindergarten Placement Test, Pbis Domain is not presented in the table. For the Stage I through V assessments, N-count and P-value for FEP students are also reported as the FEP students participated in the spring 2013 administration. Note that the FEP students were not a part of calibration sample as described in Chapter 7.

Table 7.5: Item-Level Statistics for Items in Prereading on the Kindergarten Placement Test

Item	Item Type	Max	N-Count	P-value	Pbis Total
18	PR1	1	23966	0.748	0.548
33	PR1	1	23966	0.531	0.433
34	PR1	1	23966	0.513	0.464
35	PR1	1	23966	0.412	0.397
38	OR3	3	23966	0.532	0.780

Note: OR3=3 Point Oral Response Items; PR1=1 Point Physical Response Items.

Table 7.6: Item-Level Statistics for Items in Prewriting on the Kindergarten Placement Test

Item	Item Type	Max	N-Count	P-value	Pbis Total
16	PR1	1	23966	0.740	0.710
17	PR1	1	23966	0.778	0.673

Note: PR1=1 Point Physical Response Items.

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Table 7.7: Item-Level Statistics for Items in Listening/Speaking on the Kindergarten Placement Test

Item	Item Type	Max	N-Count	P-value	Pbis Total
1	OR1	1	23966	0.944	0.435
2	OR1	1	23966	0.659	0.678
3	OR1	1	23966	0.764	0.741
4	OR1	1	23966	0.684	0.669
5	OR1	1	23966	0.739	0.718
6	OR1	1	23966	0.573	0.672
7	PR1	1	23966	0.792	0.703
8	PR1	1	23966	0.827	0.707
9	PR2	2	23966	0.686	0.779
10	PR2	2	23966	0.675	0.789
11	OR1	1	23966	0.800	0.630
12	OR1	1	23966	0.796	0.743
13	OR1	1	23966	0.803	0.725
14	OR1	1	23966	0.862	0.700
15	OR1	1	23966	0.753	0.729
19	PR1	1	23966	0.463	0.491
20	OR1	1	23966	0.842	0.555
21	OR1	1	23966	0.880	0.562
22	OR1	1	23966	0.897	0.547
23	OR1	1	23966	0.674	0.671
24	OR1	1	23966	0.689	0.641
25	OR1	1	23966	0.224	0.382
26	OR1	1	23966	0.768	0.600
27	OR1	1	23966	0.832	0.596
28	OR1	1	23966	0.782	0.578
29	OR1	1	23966	0.687	0.654
30	OR1	1	23966	0.616	0.636
31	OR1	1	23966	0.574	0.603
32	OR1	1	23966	0.615	0.605
36	PR1	1	23966	0.556	0.519
37	PR1	1	23966	0.652	0.612

Note: OR1=1 Point Oral Response Item, PR1=1 Point Physical Response Items, PR2: 2 Point Physical Response Item.

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Table 7.8: Item-Level Statistics for Items in Prereading on Stage I

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	5148	0.772	0.313	0.363	5836	0.911
2	MC	1	10298	0.774	0.425	0.451	11463	0.921
3	MC	1	5150	0.526	0.225	0.347	5627	0.652
4	MC	1	5148	0.614	0.276	0.354	5836	0.772
5	MC	1	5148	0.536	0.077	0.202	5836	0.633
6	MC	1	5150	0.586	0.314	0.407	5627	0.778
7	MC	1	5150	0.592	0.433	0.486	5627	0.793
8	MC	1	5150	0.612	0.388	0.463	5627	0.805
9	MC	1	5148	0.504	0.258	0.359	5836	0.648
10	MC	1	5148	0.568	0.397	0.457	5836	0.791
11	MC	1	5148	0.650	0.366	0.431	5836	0.818
12	MC	1	10298	0.760	0.422	0.428	11463	0.862
13	MC	1	5150	0.556	0.355	0.420	5627	0.737
14	MC	1	5150	0.423	0.326	0.423	5627	0.592
15	MC	1	5150	0.497	0.398	0.485	5627	0.719
16	MC	1	5150	0.568	0.387	0.465	5627	0.777
17	MC	1	5150	0.707	0.375	0.448	5627	0.878
18	MC	1	5150	0.550	0.207	0.290	5627	0.671
19	MC	1	5148	0.437	0.242	0.350	5836	0.588
20	MC	1	5148	0.535	0.384	0.462	5836	0.726
21	MC	1	5150	0.676	0.311	0.382	5627	0.812
22	MC	1	5150	0.599	0.508	0.517	5627	0.802
23	MC	1	5148	0.485	0.389	0.453	5836	0.671
24	MC	1	5148	0.571	0.241	0.336	5836	0.672
25	MC	1	5148	0.566	0.264	0.351	5836	0.638
26	MC	1	5150	0.785	0.298	0.354	5627	0.910
27	MC	1	5148	0.793	0.174	0.255	5836	0.855
28	MC	1	5148	0.562	0.359	0.444	5836	0.743
29	MC	1	5150	0.583	0.283	0.359	5627	0.679
30	MC	1	5148	0.619	0.525	0.506	5836	0.810
31	MC	1	10298	0.777	0.344	0.416	11463	0.907
32	MC	1	10298	0.528	0.273	0.380	11463	0.708

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.9: Item-Level Statistics for Items in Prewriting on Stage I

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
33	SA2	2	5148	0.585	0.457	0.581	5836	0.706
34	SA2	2	10298	0.732	0.420	0.532	11463	0.802
35	SA2	2	5150	0.483	0.578	0.712	5627	0.670
36	SA1	1	5150	0.343	0.251	0.334	5627	0.443
37	SA1	1	5148	0.378	0.271	0.334	5836	0.496
38	SA1	1	5150	0.531	0.352	0.413	5627	0.671
39	SA3	3	5150	0.236	0.584	0.737	5627	0.352
40	SA3	3	5148	0.245	0.595	0.741	5836	0.375
41	SA2	2	5150	0.683	0.421	0.513	5627	0.812
42	SA2	2	5148	0.285	0.575	0.688	5836	0.453
43	SA3	3	10298	0.308	0.629	0.785	11463	0.468
44	SA2	2	5148	0.638	0.379	0.491	5836	0.683
45	SA2	2	5150	0.622	0.377	0.483	5627	0.663
46	SA2	2	5148	0.589	0.602	0.711	5836	0.761
47	SA1	1	5148	0.557	0.355	0.416	5836	0.680
48	SA2	2	5150	0.293	0.550	0.664	5627	0.450

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 all items on 2 operational test forms were concurrently analyzed.

Table 7.10: Item-Level Statistics for Items in Listening on Stage I

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
49	MC	1	5150	0.591	0.382	0.477	5627	0.803
50	MC	1	5148	0.548	0.339	0.447	5836	0.760
51	MC	1	5148	0.686	0.424	0.504	5836	0.837
52	MC	1	5148	0.707	0.425	0.500	5836	0.906
53	MC	1	5148	0.494	0.201	0.302	5836	0.690
54	MC	1	5148	0.726	0.308	0.396	5836	0.844
55	MC	1	5148	0.742	0.351	0.441	5836	0.865
56	MC	1	10298	0.506	0.263	0.376	11463	0.608
57	MC	1	5150	0.541	0.304	0.423	5627	0.754
58	MC	1	5150	0.552	0.334	0.440	5627	0.715
59	MC	1	5150	0.750	0.268	0.383	5627	0.828
60	MC	1	5148	0.623	0.254	0.371	5836	0.785
61	MC	1	10298	0.522	0.382	0.499	11463	0.767
62	MC	1	5148	0.781	0.222	0.352	5836	0.860
63	MC	1	5150	0.603	0.438	0.545	5627	0.861
64	MC	1	5150	0.677	0.361	0.479	5627	0.823
65	MC	1	5148	0.611	0.475	0.548	5836	0.840
66	MC	1	5150	0.724	0.351	0.400	5627	0.844
67	MC	1	5150	0.653	0.342	0.438	5627	0.836
68	MC	1	5150	0.757	0.300	0.420	5627	0.871
69	MC	1	10298	0.485	0.190	0.339	11463	0.535
70	MC	1	5148	0.706	0.327	0.443	5836	0.838
71	MC	1	5150	0.488	0.360	0.410	5627	0.733
72	MC	1	10298	0.698	0.330	0.405	11463	0.820

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.11: Item-Level Statistics for Items in Speaking on Stage I

Item	Item Type	Max	ELL N-Count	ELL P-value	ELL Pbis Total	ELL Pbis Domain	FEP N-Count	FEP P-value
73	SA2	2	10298	0.626	0.448	0.723	11463	0.799
74	SA2	2	5148	0.530	0.416	0.681	5836	0.729
75	SA2	2	5148	0.548	0.450	0.658	5836	0.716
76	SA1	1	5148	0.889	0.299	0.496	5836	0.950
77	SA2	2	5150	0.712	0.461	0.746	5627	0.867
78	SA1	1	5150	0.104	0.128	0.227	5627	0.194
79	SA1	1	5150	0.890	0.328	0.554	5627	0.968
80	SA1	1	5150	0.551	0.345	0.465	5627	0.691
81	SA1	1	5148	0.093	0.196	0.252	5836	0.233
82	SA1	1	10298	0.859	0.348	0.539	11463	0.951
83	SA1	1	5148	0.490	0.382	0.415	5836	0.683
84	SA2	2	5150	0.552	0.397	0.641	5627	0.722
85	SA4	4	5148	0.562	0.576	0.820	5836	0.776
86	SA4	4	5150	0.592	0.574	0.824	5627	0.772

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 all items on 2 operational test forms were concurrently analyzed.

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Table 7.12: Item-Level Statistics for Items in Reading on Stage II

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	14456	0.475	0.169	0.230	5918	0.656
2	MC	1	14456	0.422	0.313	0.365	5918	0.640
3	MC	1	14456	0.565	0.458	0.500	5918	0.817
4	MC	1	28939	0.737	0.313	0.325	12407	0.881
5	MC	1	14456	0.427	0.355	0.382	5918	0.631
6	MC	1	14456	0.703	0.497	0.508	5918	0.911
7	MC	1	14483	0.628	0.481	0.508	6489	0.854
8	MC	1	14456	0.520	0.377	0.416	5918	0.727
9	MC	1	14456	0.501	0.460	0.505	5918	0.743
10	MC	1	14456	0.554	0.320	0.373	5918	0.742
11	MC	1	14483	0.613	0.462	0.514	6489	0.840
12	MC	1	14483	0.668	0.487	0.538	6489	0.870
13	MC	1	14483	0.749	0.378	0.389	6489	0.898
14	MC	1	14483	0.586	0.263	0.295	6489	0.754
15	MC	1	14483	0.775	0.327	0.353	6489	0.896
16	MC	1	14483	0.664	0.558	0.585	6489	0.904
17	MC	1	14483	0.673	0.449	0.477	6489	0.877
18	MC	1	28939	0.300	0.215	0.270	12407	0.472
19	MC	1	28939	0.506	0.393	0.444	12407	0.766
20	MC	1	28939	0.477	0.383	0.441	12407	0.734
21	MC	1	14456	0.780	0.350	0.361	5918	0.945
22	MC	1	28939	0.738	0.473	0.489	12407	0.936
23	MC	1	14483	0.495	0.376	0.409	6489	0.740
24	MC	1	14483	0.802	0.493	0.507	6489	0.955
25	MC	1	14456	0.626	0.382	0.419	5918	0.852
26	MC	1	14483	0.707	0.601	0.630	6489	0.926
27	MC	1	14483	0.480	0.377	0.434	6489	0.712
28	MC	1	14483	0.508	0.430	0.485	6489	0.746
29	MC	1	14456	0.465	0.383	0.407	5918	0.687
30	MC	1	14456	0.677	0.216	0.254	5918	0.739
31	MC	1	14456	0.549	0.295	0.338	5918	0.703
32	MC	1	14483	0.576	0.587	0.631	6489	0.852
33	MC	1	14483	0.507	0.400	0.442	6489	0.767
34	MC	1	14456	0.527	0.486	0.528	5918	0.793
35	MC	1	14456	0.590	0.371	0.424	5918	0.804
91	SA3	3	14456	0.612	0.579	0.627	5918	0.848
92	SA1	1	14456	0.250	0.203	0.231	5918	0.364
93	SA1	1	14483	0.267	0.207	0.235	6489	0.361
94	SA1	1	14456	0.037	0.107	0.128	5918	0.089
99	SA3	3	14483	0.458	0.522	0.582	6489	0.678
100	SA1	1	14483	0.093	0.083	0.110	6489	0.116

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 all items on 2 operational test forms were concurrently analyzed.

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Table 7.13: Item-Level Statistics for Items in Writing on Stage II

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
36	MC	1	28939	0.452	0.329	0.395	12407	0.688
37	MC	1	14456	0.420	0.293	0.364	5918	0.653
38	MC	1	14456	0.531	0.382	0.450	5918	0.805
39	MC	1	28939	0.590	0.430	0.488	12407	0.818
40	MC	1	14483	0.419	0.271	0.331	6489	0.588
41	MC	1	14456	0.440	0.306	0.365	5918	0.635
42	MC	1	28939	0.335	0.099	0.180	12407	0.406
43	MC	1	14456	0.391	0.268	0.329	5918	0.544
44	MC	1	14483	0.467	0.336	0.404	6489	0.675
45	MC	1	14456	0.791	0.482	0.524	5918	0.957
46	MC	1	14483	0.622	0.425	0.480	6489	0.838
47	MC	1	14456	0.476	0.485	0.521	5918	0.783
48	MC	1	14456	0.546	0.304	0.345	5918	0.773
49	MC	1	14456	0.574	0.415	0.484	5918	0.812
50	MC	1	14483	0.458	0.360	0.421	6489	0.666
51	MC	1	14483	0.580	0.517	0.560	6489	0.822
52	MC	1	14483	0.550	0.317	0.399	6489	0.742
53	MC	1	28939	0.779	0.475	0.515	12407	0.946
54	MC	1	14483	0.555	0.326	0.390	6489	0.737
55	MC	1	14456	0.665	0.267	0.348	5918	0.844
56	MC	1	14483	0.719	0.469	0.524	6489	0.904
57	MC	1	14483	0.666	0.455	0.516	6489	0.882
58	ER	3	14456	0.696	0.680	0.743	5918	0.898
59	ER	3	14456	0.680	0.677	0.745	5918	0.888
60	ER	3	14483	0.665	0.692	0.749	6489	0.865
61	ER	3	14483	0.721	0.688	0.737	6489	0.909

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.14: Item-Level Statistics for Items in Listening on Stage II

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
62	MC	1	14456	0.391	0.346	0.501	5918	0.625
63	MC	1	14483	0.664	0.297	0.450	6489	0.825
64	MC	1	14483	0.679	0.293	0.428	6489	0.840
65	MC	1	14456	0.672	0.228	0.345	5918	0.783
66	MC	1	14456	0.410	0.341	0.462	5918	0.617
67	MC	1	14456	0.534	0.245	0.434	5918	0.698
68	MC	1	14483	0.422	0.375	0.535	6489	0.656
69	MC	1	14456	0.532	0.302	0.476	5918	0.715
70	MC	1	28939	0.910	0.338	0.373	12407	0.981
71	MC	1	14456	0.907	0.342	0.369	5918	0.986
72	MC	1	28939	0.458	0.321	0.445	12407	0.649
73	MC	1	14483	0.425	0.362	0.539	6489	0.660
74	MC	1	14456	0.693	0.288	0.420	5918	0.835
75	MC	1	14456	0.811	0.257	0.380	5918	0.918
76	MC	1	14483	0.836	0.308	0.388	6489	0.935
77	MC	1	14456	0.758	0.378	0.455	5918	0.912
78	MC	1	14456	0.686	0.227	0.330	5918	0.834
79	MC	1	14483	0.584	0.255	0.363	6489	0.741
80	MC	1	14483	0.792	0.357	0.440	6489	0.929
81	MC	1	14483	0.840	0.353	0.437	6489	0.953
82	MC	1	14483	0.517	0.272	0.410	6489	0.667
83	MC	1	14483	0.604	0.337	0.509	6489	0.783
84	MC	1	14456	0.867	0.190	0.281	5918	0.915
85	MC	1	14483	0.846	0.317	0.387	6489	0.946
86	MC	1	28939	0.421	0.413	0.447	12407	0.702

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

Table 7.15: Item-Level Statistics for Items in Speaking on Stage II

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
87	SA4	4	14456	0.457	0.390	0.700	5918	0.555
88	SA4	4	28939	0.669	0.407	0.694	12407	0.723
89	SA4	4	14483	0.620	0.408	0.707	6489	0.692
90	SA4	4	14456	0.380	0.327	0.626	5918	0.429
95	SA4	4	14456	0.186	0.404	0.500	5918	0.366
96	SA4	4	14483	0.520	0.409	0.723	6489	0.623
97	SA4	4	14483	0.390	0.369	0.634	6489	0.456
98	SA4	4	14456	0.396	0.357	0.649	5918	0.453
101	SA4	4	14483	0.190	0.381	0.475	6489	0.360
102	SA4	4	14456	0.628	0.430	0.720	5918	0.705
103	SA4	4	14483	0.378	0.360	0.618	6489	0.436
104	SA4	4	28939	0.475	0.408	0.702	12407	0.579
105	SA4	4	14456	0.822	0.519	0.666	5918	0.939
106	SA4	4	14483	0.789	0.531	0.709	6489	0.902

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.16: Item-Level Statistics for Items in Reading on Stage III

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	17672	0.459	0.286	0.345	20904	0.597
2	MC	1	8766	0.421	0.337	0.402	10753	0.620
3	MC	1	8766	0.472	0.488	0.552	10753	0.737
4	MC	1	8766	0.295	0.074	0.140	10753	0.344
5	MC	1	8766	0.403	0.347	0.421	10753	0.625
6	MC	1	8906	0.812	0.339	0.328	10151	0.916
7	MC	1	8766	0.734	0.474	0.476	10753	0.926
8	MC	1	8906	0.602	0.307	0.343	10151	0.777
9	MC	1	8906	0.324	0.268	0.311	10151	0.457
10	MC	1	8766	0.507	0.425	0.481	10753	0.769
11	MC	1	8766	0.565	0.464	0.518	10753	0.803
12	MC	1	8766	0.193	0.036	0.097	10753	0.212
13	MC	1	8766	0.373	0.251	0.328	10753	0.528
14	MC	1	8766	0.313	0.243	0.305	10753	0.472
15	MC	1	8766	0.289	0.186	0.249	10753	0.421
16	MC	1	8766	0.398	0.290	0.366	10753	0.587
17	MC	1	8766	0.560	0.501	0.541	10753	0.824
18	MC	1	8766	0.670	0.443	0.490	10753	0.847
19	MC	1	8766	0.475	0.407	0.464	10753	0.736
20	MC	1	8906	0.741	0.499	0.502	10151	0.944
21	MC	1	8766	0.649	0.291	0.322	10753	0.792
22	MC	1	8766	0.367	0.291	0.330	10753	0.510
23	MC	1	8906	0.394	0.363	0.409	10151	0.633
24	MC	1	8906	0.694	0.478	0.512	10151	0.881
25	MC	1	8906	0.574	0.474	0.510	10151	0.809
26	MC	1	8766	0.785	0.324	0.314	10753	0.918
27	MC	1	8906	0.358	0.315	0.384	10151	0.584
28	MC	1	8906	0.363	0.284	0.348	10151	0.526
29	MC	1	8906	0.306	0.213	0.268	10151	0.455
30	MC	1	8906	0.466	0.412	0.463	10151	0.716
31	MC	1	17672	0.463	0.410	0.436	20904	0.748
32	MC	1	17672	0.858	0.424	0.415	20904	0.961
33	MC	1	17672	0.360	0.106	0.175	20904	0.404
34	MC	1	17672	0.497	0.318	0.377	20904	0.645
35	MC	1	8906	0.594	0.432	0.472	10151	0.806
36	MC	1	8906	0.579	0.429	0.485	10151	0.788
37	MC	1	8906	0.173	0.068	0.133	10151	0.216
38	MC	1	8906	0.301	0.271	0.343	10151	0.459
39	MC	1	8906	0.288	0.139	0.220	10151	0.402
40	MC	1	8906	0.289	0.147	0.234	10151	0.362
41	MC	1	8906	0.321	0.173	0.241	10151	0.406
42	SA1	1	8766	0.460	0.470	0.475	10753	0.754
43	SA1	1	8906	0.278	0.126	0.162	10151	0.342
44	SA1	1	8766	0.745	0.469	0.432	10753	0.905
45	SA1	1	8766	0.277	0.153	0.176	10753	0.347
46	SA1	1	8906	0.636	0.460	0.464	10151	0.851
47	SA1	1	8906	0.663	0.455	0.457	10151	0.870

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.17: Item-Level Statistics for Items in Writing on Stage III

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
48	MC	1	8906	0.550	0.471	0.520	10151	0.814
49	MC	1	8766	0.404	0.193	0.255	10753	0.502
50	MC	1	8766	0.848	0.389	0.440	10753	0.948
51	MC	1	8766	0.668	0.457	0.518	10753	0.842
52	MC	1	8766	0.393	0.302	0.365	10753	0.545
53	MC	1	8906	0.537	0.483	0.523	10151	0.826
54	MC	1	8766	0.574	0.469	0.525	10753	0.808
55	MC	1	8766	0.553	0.438	0.492	10753	0.776
56	MC	1	17672	0.452	0.319	0.384	20904	0.605
57	MC	1	8906	0.338	0.384	0.431	10151	0.567
58	MC	1	8906	0.515	0.385	0.442	10151	0.743
59	MC	1	8906	0.752	0.513	0.562	10151	0.945
60	MC	1	8906	0.746	0.448	0.507	10151	0.915
61	MC	1	8906	0.519	0.412	0.483	10151	0.742
62	MC	1	8766	0.648	0.506	0.565	10753	0.873
63	MC	1	17672	0.465	0.274	0.338	20904	0.584
64	MC	1	8906	0.456	0.349	0.406	10151	0.625
65	MC	1	8766	0.382	0.280	0.336	10753	0.571
66	MC	1	17672	0.601	0.467	0.529	20904	0.841
67	MC	1	17672	0.498	0.333	0.395	20904	0.725
68	MC	1	8766	0.454	0.398	0.440	10753	0.680
69	MC	1	8906	0.219	0.024	0.062	10151	0.204
70	MC	1	8766	0.504	0.394	0.451	10753	0.698
71	MC	1	8906	0.466	0.333	0.393	10151	0.651
72	MC	1	8906	0.600	0.423	0.490	10151	0.814
73	MC	1	8766	0.756	0.535	0.585	10753	0.937
74	MC	1	8906	0.674	0.445	0.500	10151	0.867
75	MC	1	8766	0.565	0.259	0.322	10753	0.740
76	ER	5	8766	0.540	0.671	0.719	10753	0.646
77	ER	5	8766	0.544	0.690	0.733	10753	0.664
78	ER	5	8906	0.532	0.687	0.724	10151	0.653
79	ER	5	8906	0.542	0.708	0.737	10151	0.683

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.18: Item-Level Statistics for Items in Listening on Stage III

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
80	MC	1	8906	0.659	0.288	0.408	10151	0.779
81	MC	1	8906	0.797	0.340	0.424	10151	0.903
82	MC	1	8906	0.480	0.366	0.489	10151	0.721
83	MC	1	8906	0.647	0.295	0.431	10151	0.784
84	MC	1	8906	0.462	0.219	0.365	10151	0.585
85	MC	1	17672	0.518	0.402	0.483	20904	0.730
86	MC	1	8906	0.282	0.186	0.303	10151	0.428
87	MC	1	8906	0.680	0.280	0.372	10151	0.834
88	MC	1	8766	0.756	0.233	0.383	10753	0.817
89	MC	1	8766	0.550	0.275	0.373	10753	0.713
90	MC	1	8766	0.787	0.475	0.534	10753	0.941
91	MC	1	17672	0.545	0.313	0.428	20904	0.692
92	MC	1	8906	0.694	0.282	0.351	10151	0.816
93	MC	1	8766	0.665	0.316	0.419	10753	0.806
94	MC	1	8766	0.861	0.365	0.436	10753	0.939
95	MC	1	8766	0.616	0.344	0.430	10753	0.753
96	MC	1	8906	0.631	0.214	0.379	10151	0.719
97	MC	1	8766	0.289	0.177	0.292	10753	0.434
98	MC	1	8766	0.602	0.329	0.392	10753	0.810
99	MC	1	17672	0.289	0.184	0.316	20904	0.411
100	MC	1	8766	0.412	0.122	0.242	10753	0.458
101	MC	1	8906	0.546	0.336	0.428	10151	0.704
102	MC	1	8766	0.560	0.274	0.427	10753	0.676
103	MC	1	8906	0.588	0.327	0.455	10151	0.781
104	MC	1	8766	0.585	0.266	0.421	10753	0.739

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

Table 7.19: Item-Level Statistics for Items in Speaking on Stage III

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
105	SA4	4	8906	0.720	0.401	0.674	10151	0.761
106	SA4	4	8906	0.615	0.503	0.706	10151	0.699
107	SA4	4	8906	0.533	0.408	0.727	10151	0.612
108	SA4	4	8766	0.576	0.424	0.747	10753	0.650
109	SA4	4	8766	0.699	0.414	0.718	10753	0.743
110	SA4	4	8766	0.611	0.502	0.737	10753	0.693
111	SA4	4	8766	0.652	0.435	0.690	10753	0.723
112	SA4	4	17672	0.643	0.469	0.766	20904	0.713
113	SA4	4	8766	0.594	0.408	0.748	10753	0.655
114	SA4	4	8906	0.549	0.386	0.716	10151	0.606
115	SA4	4	8906	0.636	0.455	0.696	10151	0.721
116	SA4	4	17672	0.627	0.435	0.727	20904	0.699
117	SA4	4	8906	0.814	0.544	0.740	10151	0.911
118	SA4	4	8766	0.733	0.523	0.745	10753	0.813

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.20: Item-Level Statistics for Items in Reading on Stage IV

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	3067	0.833	0.331	0.334	6632	0.931
2	MC	1	3142	0.447	0.211	0.295	6652	0.574
3	MC	1	3142	0.215	0.185	0.255	6652	0.346
4	MC	1	3142	0.465	0.375	0.421	6652	0.747
5	MC	1	3142	0.301	0.227	0.293	6652	0.504
6	MC	1	3142	0.758	0.436	0.404	6652	0.951
7	MC	1	3142	0.379	0.316	0.362	6652	0.573
8	MC	1	3142	0.539	0.444	0.492	6652	0.825
9	MC	1	3142	0.343	0.252	0.297	6652	0.523
10	MC	1	3142	0.558	0.419	0.459	6652	0.795
11	MC	1	3067	0.416	0.377	0.443	6632	0.668
12	MC	1	3067	0.287	0.157	0.226	6632	0.362
13	MC	1	3067	0.222	0.026	0.107	6632	0.169
14	MC	1	3067	0.433	0.340	0.405	6632	0.661
15	MC	1	3142	0.536	0.420	0.484	6652	0.789
16	MC	1	3142	0.360	0.230	0.298	6652	0.531
17	MC	1	3142	0.319	0.153	0.219	6652	0.430
18	MC	1	3142	0.390	0.266	0.341	6652	0.572
19	MC	1	3142	0.312	0.156	0.261	6652	0.416
20	MC	1	3142	0.831	0.390	0.390	6652	0.976
21	MC	1	3142	0.785	0.487	0.475	6652	0.961
22	MC	1	6209	0.861	0.483	0.448	13284	0.986
23	MC	1	3067	0.507	0.329	0.390	6632	0.709
24	MC	1	3067	0.360	0.301	0.378	6632	0.522
25	MC	1	3067	0.215	0.264	0.331	6632	0.419
26	MC	1	3067	0.259	0.163	0.255	6632	0.386
27	MC	1	6209	0.559	0.303	0.349	13284	0.758
28	MC	1	3067	0.774	0.468	0.441	6632	0.950
29	MC	1	6209	0.432	0.367	0.393	13284	0.705
30	MC	1	6209	0.196	-0.003	0.053	13284	0.170
31	MC	1	6209	0.354	0.188	0.271	13284	0.471
32	MC	1	6209	0.302	0.179	0.250	13284	0.368
33	MC	1	3067	0.825	0.471	0.432	6632	0.983
34	MC	1	3067	0.457	0.428	0.490	6632	0.715
35	MC	1	3067	0.465	0.346	0.417	6632	0.644
36	MC	1	3067	0.552	0.270	0.349	6632	0.717
37	MC	1	3067	0.425	0.345	0.400	6632	0.631
38	MC	1	3142	0.664	0.507	0.537	6652	0.916
39	MC	1	3142	0.344	0.277	0.340	6652	0.503
40	MC	1	3142	0.465	0.318	0.366	6652	0.643
41	MC	1	3142	0.253	0.260	0.335	6652	0.432
42	MC	1	3067	0.403	0.288	0.385	6632	0.607
43	MC	1	3067	0.318	0.209	0.256	6632	0.468
44	MC	1	3067	0.383	0.335	0.412	6632	0.676
45	MC	1	3067	0.351	0.220	0.284	6632	0.470
46	MC	1	3067	0.318	0.293	0.357	6632	0.480
47	SA1	1	3067	0.754	0.397	0.360	6632	0.930
48	SA1	1	3142	0.682	0.403	0.397	6652	0.872
49	SA1	1	3142	0.703	0.418	0.409	6652	0.906
50	SA1	1	3067	0.474	0.235	0.248	6632	0.602

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.21: Item-Level Statistics for Items in Writing on Stage IV

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
51	MC	1	3067	0.456	0.310	0.387	6632	0.636
52	MC	1	3067	0.451	0.337	0.415	6632	0.628
53	MC	1	3067	0.452	0.335	0.389	6632	0.660
54	MC	1	3142	0.328	0.269	0.318	6652	0.467
55	MC	1	3067	0.391	0.301	0.370	6632	0.545
56	MC	1	3067	0.427	0.377	0.439	6632	0.684
57	MC	1	3142	0.364	0.197	0.257	6652	0.477
58	MC	1	3067	0.717	0.300	0.373	6632	0.850
59	MC	1	3142	0.412	0.365	0.429	6652	0.652
60	MC	1	3142	0.374	0.224	0.281	6652	0.520
61	MC	1	3067	0.530	0.331	0.386	6632	0.681
62	MC	1	3067	0.660	0.475	0.528	6632	0.928
63	MC	1	6209	0.508	0.383	0.448	13284	0.791
64	MC	1	3142	0.355	0.232	0.283	6652	0.500
65	MC	1	3142	0.486	0.345	0.401	6652	0.720
66	MC	1	3067	0.435	0.414	0.449	6632	0.754
67	MC	1	3142	0.311	0.238	0.285	6652	0.486
68	MC	1	3142	0.593	0.348	0.424	6652	0.786
69	MC	1	3142	0.470	0.207	0.275	6652	0.582
70	MC	1	3067	0.533	0.402	0.466	6632	0.840
71	MC	1	3142	0.430	0.352	0.399	6652	0.629
72	MC	1	3142	0.321	0.300	0.362	6652	0.576
73	MC	1	3067	0.203	0.160	0.192	6632	0.427
74	MC	1	3142	0.611	0.308	0.360	6652	0.797
75	MC	1	6209	0.344	0.153	0.214	13284	0.414
76	MC	1	3067	0.381	0.327	0.411	6632	0.683
77	MC	1	6209	0.230	0.093	0.135	13284	0.315
78	MC	1	3142	0.699	0.442	0.497	6652	0.912
79	MC	1	3142	0.605	0.436	0.484	6652	0.880
80	MC	1	3067	0.307	0.228	0.298	6632	0.418
81	MC	1	6209	0.602	0.398	0.464	13284	0.820
82	MC	1	3067	0.279	0.142	0.186	6632	0.403
83	ER	5	3067	0.420	0.625	0.671	6632	0.571
84	ER	5	3067	0.455	0.664	0.694	6632	0.614
85	ER	5	3142	0.422	0.669	0.699	6652	0.574
86	ER	5	3142	0.403	0.675	0.723	6652	0.565

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.22: Item-Level Statistics for Items in Listening on Stage IV

Item	Item Type	Max	ELL N-Count	ELL P-value	ELL Pbis Total	ELL Pbis Domain	FEP N-Count	FEP P-value
87	MC	1	6209	0.672	0.370	0.466	13284	0.857
88	MC	1	3142	0.262	0.223	0.330	6652	0.466
89	MC	1	3142	0.740	0.336	0.438	6652	0.882
90	MC	1	3067	0.713	0.365	0.468	6632	0.811
91	MC	1	3142	0.580	0.371	0.487	6652	0.799
92	MC	1	6209	0.754	0.327	0.428	13284	0.868
93	MC	1	3142	0.864	0.312	0.394	6652	0.963
94	MC	1	3067	0.300	0.155	0.281	6632	0.379
95	MC	1	3067	0.488	0.239	0.368	6632	0.634
96	MC	1	3067	0.482	0.276	0.385	6632	0.634
97	MC	1	3067	0.570	0.315	0.409	6632	0.725
98	MC	1	3067	0.610	0.355	0.470	6632	0.785
99	MC	1	3142	0.682	0.376	0.490	6652	0.878
100	MC	1	3142	0.488	0.246	0.397	6652	0.601
101	MC	1	3067	0.416	0.177	0.300	6632	0.427
102	MC	1	3067	0.784	0.304	0.376	6632	0.886
103	MC	1	3067	0.422	0.247	0.368	6632	0.517
104	MC	1	3142	0.538	0.288	0.395	6652	0.730
105	MC	1	3142	0.497	0.362	0.472	6652	0.712
106	MC	1	3067	0.696	0.306	0.437	6632	0.831
107	MC	1	6209	0.554	0.296	0.416	13284	0.713
108	MC	1	3142	0.710	0.406	0.510	6652	0.878
109	MC	1	3142	0.309	0.179	0.309	6652	0.392
110	MC	1	3142	0.666	0.362	0.471	6652	0.829
111	MC	1	3067	0.465	0.259	0.380	6632	0.619

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

Table 7.23: Item-Level Statistics for Items in Speaking on Stage IV

Item	Item Type	Max	ELL N-Count	ELL P-value	ELL Pbis Total	ELL Pbis Domain	FEP N-Count	FEP P-value
112	SA4	4	3067	0.539	0.504	0.804	6632	0.651
113	SA4	4	3067	0.680	0.452	0.741	6632	0.738
114	SA4	4	3067	0.526	0.458	0.742	6632	0.615
115	SA4	4	3142	0.671	0.458	0.706	6652	0.728
116	SA4	4	3142	0.587	0.492	0.774	6652	0.674
117	SA4	4	3067	0.567	0.514	0.809	6632	0.687
118	SA4	4	3142	0.536	0.498	0.789	6652	0.637
119	SA4	4	3142	0.487	0.442	0.694	6652	0.630
120	SA4	4	3142	0.601	0.524	0.769	6652	0.701
121	SA4	4	6209	0.469	0.493	0.751	13284	0.602
122	SA4	4	6209	0.573	0.494	0.798	13284	0.684
123	SA4	4	3067	0.593	0.515	0.765	6632	0.699
124	SA4	4	3142	0.694	0.569	0.771	6652	0.804
125	SA4	4	3067	0.675	0.550	0.785	6632	0.759

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.24: Item-Level Statistics for Items in Reading on Stage V

			ELL				FEP	
Item	Item Type	Max	N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	2482	0.847	0.466	0.437	1853	0.979
2	MC	1	2482	0.376	0.322	0.374	1853	0.571
3	MC	1	5230	0.531	0.342	0.415	3801	0.695
4	MC	1	5230	0.461	0.333	0.397	3801	0.653
5	MC	1	5230	0.743	0.497	0.518	3801	0.922
6	MC	1	5230	0.379	0.297	0.350	3801	0.570
7	MC	1	2748	0.771	0.363	0.404	1948	0.911
8	MC	1	2748	0.701	0.486	0.459	1948	0.927
9	MC	1	2482	0.682	0.445	0.468	1853	0.891
10	MC	1	2482	0.465	0.380	0.403	1853	0.715
11	MC	1	2482	0.579	0.395	0.457	1853	0.802
12	MC	1	2482	0.414	0.398	0.441	1853	0.654
13	MC	1	2482	0.445	0.390	0.416	1853	0.689
14	MC	1	2482	0.694	0.442	0.497	1853	0.877
15	MC	1	2482	0.792	0.504	0.513	1853	0.960
16	MC	1	2482	0.387	0.294	0.345	1853	0.545
17	MC	1	2482	0.584	0.332	0.401	1853	0.754
18	MC	1	5230	0.648	0.186	0.219	3801	0.737
19	MC	1	2748	0.424	0.204	0.231	1948	0.556
20	MC	1	2748	0.524	0.281	0.364	1948	0.652
21	MC	1	2748	0.529	0.483	0.544	1948	0.743
22	MC	1	2748	0.685	0.376	0.433	1948	0.830
23	MC	1	2748	0.394	0.351	0.417	1948	0.583
24	MC	1	5230	0.659	0.411	0.361	3801	0.923
25	MC	1	2482	0.498	0.223	0.310	1853	0.625
26	MC	1	2482	0.460	0.377	0.453	1853	0.680
27	MC	1	2482	0.496	0.230	0.321	1853	0.607
28	MC	1	2482	0.419	0.212	0.277	1853	0.526
29	MC	1	2482	0.561	0.390	0.450	1853	0.752
30	MC	1	2482	0.455	0.387	0.485	1853	0.661
31	MC	1	2482	0.384	0.305	0.354	1853	0.610
32	MC	1	2482	0.314	0.242	0.305	1853	0.456
33	MC	1	2482	0.496	0.407	0.464	1853	0.711
34	MC	1	2482	0.760	0.473	0.477	1853	0.937
35	MC	1	2482	0.857	0.490	0.414	1853	0.988
36	MC	1	2748	0.906	0.391	0.375	1948	0.982
37	MC	1	2748	0.426	0.280	0.354	1948	0.609
38	MC	1	2748	0.407	0.345	0.418	1948	0.624
39	MC	1	2748	0.649	0.460	0.510	1948	0.825
40	MC	1	2748	0.504	0.306	0.381	1948	0.642
41	MC	1	2748	0.619	0.200	0.282	1948	0.697
42	MC	1	2748	0.753	0.404	0.453	1948	0.901
43	MC	1	2748	0.448	0.292	0.348	1948	0.510
44	MC	1	2748	0.578	0.437	0.480	1948	0.801
45	MC	1	2748	0.353	0.284	0.348	1948	0.510
46	MC	1	2748	0.521	0.380	0.461	1948	0.748
47	MC	1	2748	0.351	0.268	0.332	1948	0.484
48	MC	1	2748	0.362	0.309	0.347	1948	0.608
49	MC	1	2748	0.283	0.104	0.153	1948	0.344
50	MC	1	2748	0.409	0.343	0.406	1948	0.658

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.25: Item-Level Statistics for Items in Writing on Stage V

Item	Item Type	Max	ELL N-Count	ELL P-value	ELL Pbis Total	ELL Pbis Domain	FEP N-Count	FEP P-value
51	MC	1	2748	0.357	0.229	0.297	1948	0.497
52	MC	1	2748	0.844	0.287	0.336	1948	0.921
53	MC	1	2482	0.510	0.469	0.514	1853	0.855
54	MC	1	2482	0.702	0.462	0.508	1853	0.909
55	MC	1	2748	0.885	0.324	0.355	1948	0.965
56	MC	1	2748	0.594	0.389	0.440	1948	0.844
57	MC	1	2748	0.393	0.258	0.328	1948	0.570
58	MC	1	2482	0.602	0.368	0.453	1853	0.723
59	MC	1	2748	0.219	0.105	0.158	1948	0.268
60	MC	1	2482	0.679	0.505	0.541	1853	0.903
61	MC	1	2482	0.533	0.461	0.517	1853	0.769
62	MC	1	2748	0.461	0.335	0.387	1948	0.612
63	MC	1	5230	0.189	0.137	0.175	3801	0.279
64	MC	1	2482	0.274	0.253	0.298	1853	0.396
65	MC	1	2482	0.700	0.443	0.479	1853	0.887
66	MC	1	2748	0.364	0.240	0.302	1948	0.508
67	MC	1	2748	0.301	0.151	0.212	1948	0.377
68	MC	1	2748	0.714	0.406	0.433	1948	0.967
69	MC	1	2482	0.880	0.295	0.350	1853	0.943
70	MC	1	2482	0.209	0.102	0.143	1853	0.203
71	MC	1	2482	0.585	0.438	0.468	1853	0.846
72	MC	1	2748	0.426	0.196	0.257	1948	0.581
73	MC	1	2482	0.458	0.366	0.423	1853	0.658
74	MC	1	2748	0.529	0.268	0.329	1948	0.633
75	MC	1	2482	0.479	0.362	0.384	1853	0.727
76	MC	1	2482	0.415	0.275	0.344	1853	0.567
77	MC	1	2482	0.224	0.147	0.221	1853	0.232
78	MC	1	5230	0.575	0.425	0.459	3801	0.879
79	MC	1	2748	0.236	0.218	0.267	1948	0.390
80	MC	1	2748	0.520	0.161	0.239	1948	0.573
81	MC	1	5230	0.252	0.274	0.293	3801	0.459
82	MC	1	5230	0.621	0.495	0.536	3801	0.832
83	ER	5	2748	0.480	0.648	0.720	1948	0.613
84	ER	5	2482	0.518	0.680	0.733	1853	0.646
85	ER	5	2748	0.518	0.655	0.713	1948	0.655
86	ER	5	2482	0.503	0.720	0.767	1853	0.661

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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Table 7.26: Item-Level Statistics for Items in Listening on Stage V

Item	Item Type	Max	ELL N-Count	ELL P-value	ELL Pbis Total	ELL Pbis Domain	FEP N-Count	FEP P-value
87	MC	1	5230	0.379	0.361	0.452	3801	0.605
88	MC	1	2482	0.596	0.408	0.505	1853	0.864
89	MC	1	2482	0.541	0.362	0.463	1853	0.753
90	MC	1	2482	0.553	0.416	0.513	1853	0.772
91	MC	1	2482	0.638	0.367	0.457	1853	0.818
92	MC	1	2748	0.505	0.431	0.553	1948	0.793
93	MC	1	2748	0.507	0.335	0.504	1948	0.789
94	MC	1	2482	0.641	0.432	0.522	1853	0.872
95	MC	1	2482	0.552	0.338	0.424	1853	0.749
96	MC	1	5230	0.501	0.263	0.384	3801	0.685
97	MC	1	2748	0.852	0.426	0.465	1948	0.967
98	MC	1	5230	0.719	0.404	0.496	3801	0.922
99	MC	1	2748	0.668	0.374	0.469	1948	0.862
100	MC	1	2748	0.360	0.256	0.357	1948	0.549
101	MC	1	2748	0.591	0.388	0.464	1948	0.792
102	MC	1	2748	0.575	0.427	0.523	1948	0.867
103	MC	1	2482	0.538	0.411	0.478	1853	0.763
104	MC	1	2482	0.378	0.211	0.300	1853	0.522
105	MC	1	2482	0.363	0.274	0.341	1853	0.578
106	MC	1	2482	0.541	0.317	0.399	1853	0.713
107	MC	1	2748	0.669	0.282	0.432	1948	0.863
108	MC	1	2748	0.433	0.274	0.408	1948	0.603
109	MC	1	2482	0.693	0.431	0.523	1853	0.897
110	MC	1	2748	0.424	0.206	0.332	1948	0.542
111	MC	1	2748	0.425	0.145	0.244	1948	0.452

Note: MC=Multiple-choice Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

Table 7.27: Item-Level Statistics for Items in Speaking on Stage V

Item	Item Type	Max	ELL N-Count	ELL P-value	ELL Pbis Total	ELL Pbis Domain	FEP N-Count	FEP P-value
112	SA4	4	5230	0.442	0.524	0.749	3801	0.651
113	SA4	4	2748	0.595	0.564	0.785	1948	0.718
114	SA4	4	2482	0.598	0.527	0.762	1853	0.686
115	SA4	4	2748	0.642	0.474	0.750	1948	0.749
116	SA4	4	5230	0.567	0.521	0.735	3801	0.690
117	SA4	4	2482	0.629	0.557	0.805	1853	0.734
118	SA4	4	2482	0.606	0.579	0.803	1853	0.735
119	SA4	4	2482	0.573	0.531	0.785	1853	0.699
120	SA4	4	2748	0.601	0.452	0.735	1948	0.691
121	SA4	4	2482	0.645	0.519	0.758	1853	0.758
122	SA4	4	2748	0.625	0.532	0.813	1948	0.724
123	SA4	4	2748	0.564	0.535	0.767	1948	0.685
124	SA4	4	2748	0.605	0.589	0.824	1948	0.763
125	SA4	4	2482	0.713	0.620	0.803	1853	0.893

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on an operational test form as all items on 2 operational test forms were concurrently analyzed.

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In addition, a distractor analysis was conducted for multiple-choice items for the Stages I through V 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. The response distribution in percentage for an item across all possible choices 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 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 7.28 through Table 7.41.

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

Item	Key	Option A		Option B		Option C		%
		%	PtBis	%	PtBis	%	PtBis	Omit
1	A	77.21	0.31	10.82	-0.20	9.67	-0.14	2.29
2	C	14.88	-0.29	5.28	-0.20	77.35	0.43	2.49
3	A	52.56	0.22	17.96	-0.09	27.28	-0.10	2.19
4	A	61.44	0.28	16.47	-0.15	19.91	-0.13	2.18
5	A	53.63	0.08	16.92	-0.10	27.84	0.04	1.61
6	B	21.11	-0.16	58.64	0.31	15.83	-0.12	4.43
7	C	22.41	-0.24	15.18	-0.22	59.17	0.43	3.24
8	C	24.68	-0.24	11.24	-0.17	61.24	0.39	2.83
9	B	34.07	-0.09	50.43	0.26	12.02	-0.17	3.48
10	C	16.86	-0.22	23.80	-0.21	56.76	0.40	2.58
11	B	25.56	-0.25	65.03	0.37	7.44	-0.15	1.96
12	B	13.98	-0.29	75.97	0.42	7.65	-0.18	2.40
13	B	23.59	-0.22	55.61	0.36	17.67	-0.13	3.13
14	A	42.33	0.33	38.93	-0.24	16.78	-0.03	1.96
15	A	49.65	0.40	25.09	-0.23	23.48	-0.17	1.79
16	C	26.31	-0.20	14.31	-0.21	56.83	0.39	2.54
17	B	17.15	-0.17	70.74	0.38	7.59	-0.22	4.52
18	A	54.97	0.21	21.48	-0.13	20.16	-0.02	3.40
19	B	30.92	-0.19	43.69	0.24	23.47	-0.01	1.92
20	C	21.85	-0.17	22.94	-0.22	53.52	0.38	1.69
21	A	67.57	0.31	15.79	-0.10	15.18	-0.24	1.46
22	C	8.82	-0.30	29.09	-0.29	59.94	0.51	2.16
23	B	32.75	-0.29	48.47	0.39	16.36	-0.08	2.43
24	A	57.05	0.24	12.00	-0.17	26.67	-0.05	4.27
25	C	29.08	-0.13	11.81	-0.14	56.60	0.26	2.51
26	A	78.50	0.30	7.51	-0.18	12.14	-0.15	1.84
27	A	79.29	0.17	4.76	-0.13	14.20	-0.06	1.75
28	C	16.94	-0.20	24.86	-0.18	56.18	0.36	2.02
29	C	12.78	-0.20	26.82	-0.09	58.33	0.28	2.08
30	C	8.82	-0.29	27.39	-0.33	61.91	0.53	1.88
31	A	77.72	0.34	12.30	-0.19	7.07	-0.20	2.90
32	B	12.11	-0.23	52.76	0.27	31.09	-0.05	4.04

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.29: Distractor Analysis of Multiple Choice Items in Listening on Stage I

Item	Key	Option A		Option B		Option C		% Omit
		%	PtBis	%	PtBis	%	PtBis	
49	C	28.21	-0.27	11.05	-0.13	59.15	0.38	1.59
50	B	20.22	-0.22	54.76	0.34	23.08	-0.12	1.94
51	C	20.14	-0.27	9.01	-0.21	68.61	0.42	2.23
52	B	16.38	-0.33	70.67	0.43	10.86	-0.13	2.10
53	A	49.44	0.20	25.00	-0.12	23.89	-0.06	1.67
54	A	72.65	0.31	10.74	-0.24	14.12	-0.10	2.49
55	C	15.03	-0.23	8.80	-0.17	74.18	0.35	1.98
56	B	17.21	-0.29	50.58	0.26	29.71	0.02	2.50
57	A	54.06	0.30	17.44	-0.19	26.87	-0.12	1.63
58	C	25.63	-0.22	16.72	-0.10	55.24	0.33	2.41
59	A	75.03	0.27	13.18	-0.13	9.48	-0.14	2.31
60	A	62.33	0.25	25.35	-0.09	9.38	-0.18	2.93
61	C	37.02	-0.25	8.41	-0.14	52.17	0.38	2.41
62	A	78.09	0.22	8.74	-0.17	10.82	-0.05	2.35
63	C	25.18	-0.27	11.69	-0.19	60.35	0.44	2.78
64	B	16.39	-0.20	67.67	0.36	12.99	-0.17	2.95
65	C	16.53	-0.31	19.43	-0.20	61.13	0.47	2.91
66	A	72.39	0.35	13.61	-0.21	10.85	-0.14	3.15
67	B	23.71	-0.28	65.26	0.34	9.30	-0.04	1.73
68	A	75.67	0.30	13.86	-0.19	7.48	-0.09	2.99
69	A	48.51	0.19	16.73	-0.03	32.62	-0.12	2.14
70	B	15.54	-0.24	70.61	0.33	11.87	-0.12	1.98
71	C	30.85	-0.20	16.66	-0.12	48.83	0.36	3.65
72	A	69.79	0.33	14.52	-0.21	12.61	-0.12	3.08

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.30: Distractor Analysis of Multiple Choice Items in Reading on Stage II

Item	Key	Option A		Option B		Option C		% Omit
		%	PtBis	%	PtBis	%	PtBis	
1	A	47.49	0.17	27.47	-0.14	23.75	-0.01	1.29
2	A	42.16	0.31	26.57	-0.31	29.71	-0.01	1.56
3	B	16.71	-0.23	56.48	0.46	25.25	-0.29	1.56
4	C	14.00	-0.18	11.78	-0.22	73.66	0.31	0.56
5	A	42.68	0.35	27.48	-0.36	29.14	-0.01	0.69
6	B	15.49	-0.35	70.28	0.50	13.50	-0.28	0.74
7	B	13.14	-0.22	62.82	0.48	22.83	-0.35	1.22
8	C	21.67	-0.34	25.24	-0.09	52.01	0.38	1.08
9	C	21.17	-0.15	27.68	-0.35	50.12	0.46	1.03
10	C	14.50	-0.25	28.76	-0.13	55.40	0.32	1.34
11	B	21.12	-0.38	61.28	0.46	16.61	-0.15	0.99
12	C	15.28	-0.30	16.74	-0.29	66.78	0.49	1.20
13	B	6.40	-0.17	74.92	0.38	18.28	-0.30	0.41
14	A	58.65	0.26	20.71	-0.24	19.86	-0.06	0.78
15	B	7.80	-0.24	77.54	0.33	14.12	-0.19	0.54
16	C	14.60	-0.34	18.26	-0.35	66.37	0.56	0.78
17	B	18.06	-0.32	67.28	0.45	13.75	-0.23	0.91
18	C	39.31	-0.09	29.71	-0.09	29.96	0.22	1.02
19	A	50.57	0.39	21.23	-0.30	26.87	-0.14	1.32
20	B	25.32	-0.14	47.75	0.38	25.38	-0.27	1.55
21	A	78.04	0.35	18.12	-0.28	3.46	-0.18	0.38
22	A	73.77	0.47	14.74	-0.42	11.13	-0.17	0.36
23	B	32.94	-0.33	49.46	0.38	16.84	-0.06	0.76
24	C	9.80	-0.34	8.78	-0.29	80.23	0.49	1.18
25	B	18.18	-0.25	62.65	0.38	18.50	-0.20	0.68
26	C	15.83	-0.42	12.59	-0.33	70.68	0.60	0.90
27	C	30.55	-0.09	20.41	-0.33	47.97	0.38	1.08
28	A	50.76	0.43	19.40	-0.23	28.65	-0.25	1.18
29	C	20.75	-0.26	32.31	-0.17	46.55	0.38	0.39
30	B	12.20	-0.25	67.70	0.22	19.47	-0.03	0.63
31	C	30.22	-0.12	13.77	-0.24	54.86	0.30	1.16
32	C	26.64	-0.36	14.82	-0.34	57.55	0.59	0.99
33	A	50.74	0.40	19.83	-0.28	28.15	-0.17	1.28
34	C	22.75	-0.28	23.33	-0.27	52.68	0.49	1.23
35	B	21.11	-0.19	58.98	0.37	18.45	-0.23	1.47

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.31: Distractor Analysis of Multiple Choice Items in Writing on Stage II

Item	Key	Option A		Option B		Option C		% Omit
		%	PtBis	%	PtBis	%	PtBis	
36	A	45.18	0.33	34.69	-0.15	19.12	-0.21	1.01
37	B	35.05	-0.05	42.02	0.29	21.91	-0.27	1.02
38	B	28.02	-0.18	53.15	0.38	18.19	-0.26	0.65
39	C	22.21	-0.24	17.91	-0.27	59.03	0.43	0.85
40	C	33.22	-0.07	24.43	-0.21	41.93	0.27	0.42
41	A	44.02	0.31	24.72	-0.18	30.49	-0.14	0.77
42	A	33.54	0.10	41.75	0.01	24.05	-0.10	0.65
43	C	22.14	-0.34	37.98	0.04	39.11	0.27	0.77
44	B	36.09	-0.12	46.74	0.34	16.69	-0.27	0.48
45	A	79.07	0.48	12.39	-0.35	7.84	-0.27	0.70
46	C	21.79	-0.21	15.19	-0.31	62.16	0.42	0.86
47	C	32.07	-0.30	19.76	-0.24	47.61	0.48	0.56
48	B	24.94	-0.20	54.59	0.30	20.06	-0.14	0.41
49	B	17.38	-0.32	57.39	0.41	24.79	-0.18	0.45
50	C	24.12	-0.33	29.39	-0.07	45.77	0.36	0.72
51	C	26.10	-0.30	15.42	-0.32	57.99	0.52	0.49
52	B	30.25	-0.14	55.00	0.32	14.13	-0.25	0.62
53	B	14.34	-0.36	77.94	0.48	7.41	-0.25	0.31
54	A	55.49	0.33	23.90	-0.09	19.98	-0.29	0.64
55	A	66.53	0.27	8.52	-0.30	24.50	-0.08	0.44
56	A	71.91	0.47	15.57	-0.33	11.99	-0.26	0.53
57	A	66.55	0.45	14.16	-0.32	18.82	-0.24	0.46

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.32: Distractor Analysis of Multiple Choice Items in Listening on Stage II

Item	Key	Option A		Option B		Option C		% Omit
		%	PtBis	%	PtBis	%	PtBis	
62	C	22.08	-0.21	37.58	-0.15	39.06	0.35	1.28
63	B	23.03	-0.22	66.37	0.30	9.56	-0.13	1.04
64	B	26.74	-0.22	67.87	0.29	5.12	-0.17	0.27
65	C	21.97	-0.10	10.55	-0.20	67.17	0.23	0.31
66	A	40.97	0.34	39.98	-0.37	18.44	0.04	0.62
67	A	53.38	0.24	32.84	-0.15	12.68	-0.13	1.10
68	C	24.14	-0.21	32.14	-0.18	42.22	0.38	1.51
69	A	53.20	0.30	27.64	-0.15	18.04	-0.19	1.11
70	C	4.25	-0.21	4.40	-0.24	91.05	0.34	0.30
71	C	5.24	-0.24	3.74	-0.22	90.74	0.34	0.29
72	A	45.75	0.32	11.99	-0.20	41.66	-0.18	0.59
73	C	22.23	-0.26	34.25	-0.13	42.49	0.36	1.03
74	B	19.84	-0.21	69.27	0.29	9.98	-0.14	0.91
75	B	14.39	-0.19	81.14	0.26	4.21	-0.14	0.27
76	C	2.94	-0.18	13.16	-0.24	83.65	0.31	0.25
77	A	75.79	0.38	16.84	-0.26	7.13	-0.24	0.24
78	B	18.62	-0.12	68.62	0.23	12.31	-0.16	0.45
79	C	29.23	-0.10	12.08	-0.23	58.36	0.25	0.33
80	A	79.22	0.36	8.39	-0.19	11.81	-0.27	0.57
81	B	6.41	-0.14	83.98	0.35	9.29	-0.31	0.31
82	B	26.72	-0.19	51.69	0.27	20.74	-0.11	0.85
83	A	60.44	0.34	22.61	-0.21	15.79	-0.18	1.17
84	C	8.65	-0.12	4.36	-0.14	86.70	0.19	0.28
85	B	6.30	-0.22	84.61	0.32	8.77	-0.20	0.32
86	C	14.24	-0.19	42.74	-0.26	42.13	0.41	0.89

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.33: Distractor Analysis of Multiple Choice Items in Reading on Stage III

Item	Key	Option A		Option B		Option C		Option D		%
		%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
1	D	16.74	-0.12	13.51	-0.14	23.25	-0.09	45.87	0.29	0.63
2	C	18.56	-0.24	22.30	-0.03	42.14	0.34	16.32	-0.13	0.67
3	A	47.23	0.49	17.98	-0.19	16.80	-0.23	17.12	-0.19	0.87
4	D	17.08	-0.07	34.55	0.11	18.05	-0.12	29.49	0.07	0.83
5	C	23.96	-0.12	16.69	-0.15	40.35	0.35	18.13	-0.13	0.88
6	C	7.62	-0.18	6.33	-0.19	81.23	0.34	4.29	-0.16	0.53
7	B	8.51	-0.25	73.44	0.47	7.60	-0.20	8.64	-0.25	1.81
8	C	16.93	-0.01	11.19	-0.13	60.23	0.31	10.75	-0.30	0.90
9	C	54.96	-0.03	6.68	-0.22	32.43	0.27	5.29	-0.19	0.64
10	D	25.37	-0.18	13.39	-0.18	9.96	-0.21	50.71	0.43	0.57
11	D	12.49	-0.20	12.17	-0.22	18.01	-0.19	56.48	0.46	0.84
12	C	25.93	0.02	18.87	-0.16	19.28	0.04	34.87	0.12	1.05
13	B	23.35	-0.06	37.31	0.25	25.21	-0.04	12.86	-0.18	1.27
14	B	26.49	-0.13	31.30	0.24	21.53	-0.05	20.18	-0.06	0.50
15	C	14.74	-0.12	27.69	-0.11	28.90	0.19	27.97	0.05	0.71
16	A	39.79	0.29	18.33	-0.10	19.22	-0.10	21.46	-0.12	1.20
17	D	12.81	-0.24	10.24	-0.20	20.55	-0.24	55.97	0.50	0.43
18	B	16.16	-0.21	67.02	0.44	8.45	-0.21	7.79	-0.23	0.57
19	A	47.46	0.41	13.07	-0.16	16.10	-0.18	21.59	-0.17	1.78
20	C	7.89	-0.27	8.42	-0.23	74.10	0.50	8.14	-0.23	1.45
21	C	11.46	-0.14	4.41	-0.18	64.88	0.29	18.32	-0.11	0.92
22	B	51.21	-0.10	36.72	0.29	5.92	-0.20	5.69	-0.16	0.46
23	C	24.30	-0.14	17.94	-0.27	39.38	0.36	17.81	-0.01	0.57
24	C	7.19	-0.25	8.67	-0.25	69.41	0.48	14.08	-0.21	0.65
25	B	8.30	-0.20	57.43	0.47	11.60	-0.26	21.65	-0.20	1.02
26	B	4.28	-0.16	78.45	0.32	5.33	-0.17	11.57	-0.18	0.38
27	B	29.19	-0.12	35.83	0.32	17.90	-0.11	16.48	-0.11	0.60
28	C	22.97	-0.08	19.38	-0.10	36.32	0.28	20.51	-0.12	0.81
29	C	28.54	-0.08	18.75	-0.13	30.55	0.21	21.12	0.01	1.03
30	A	46.60	0.41	15.85	-0.14	15.60	-0.18	20.45	-0.18	1.50
31	A	46.28	0.41	13.60	-0.26	8.02	-0.15	31.47	-0.14	0.63
32	A	85.79	0.42	7.53	-0.24	3.76	-0.21	2.50	-0.22	0.41
33	D	16.12	-0.02	30.83	-0.01	16.50	-0.07	36.02	0.11	0.53
34	A	49.74	0.32	28.86	-0.06	7.49	-0.24	13.07	-0.17	0.84
35	D	17.17	-0.21	9.25	-0.19	13.62	-0.19	59.40	0.43	0.56
36	C	10.36	-0.17	19.84	-0.20	57.87	0.43	11.31	-0.21	0.62
37	B	29.08	0.08	17.30	0.07	17.42	-0.04	35.32	-0.07	0.88
38	D	34.89	-0.11	19.10	-0.06	15.24	-0.11	30.07	0.27	0.71
39	C	31.84	0.10	20.83	-0.11	28.81	0.14	17.67	-0.13	0.84
40	B	22.93	-0.01	28.89	0.15	27.64	-0.11	19.65	0.00	0.89
41	A	32.07	0.17	14.50	-0.10	34.55	0.07	18.15	-0.17	0.74

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.34: Distractor Analysis of Multiple Choice Items in Writing on Stage III

Item	Key	Option A		Option B		Option C		Option D		%
		%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
48	B	19.59	-0.21	55.02	0.47	13.88	-0.15	10.90	-0.28	0.61
49	D	34.76	0.06	7.88	-0.18	16.07	-0.17	40.39	0.19	0.89
50	D	3.81	-0.25	2.29	-0.21	8.75	-0.18	84.82	0.39	0.33
51	D	10.28	-0.26	13.45	-0.17	8.89	-0.23	66.78	0.46	0.60
52	B	7.64	-0.20	39.25	0.30	36.86	-0.08	15.10	-0.12	1.14
53	C	5.51	-0.18	29.69	-0.28	53.72	0.48	9.54	-0.18	1.54
54	C	22.83	-0.21	12.04	-0.25	57.38	0.47	6.48	-0.18	1.28
55	A	55.28	0.44	10.47	-0.20	12.29	-0.18	21.58	-0.21	0.38
56	C	11.25	-0.23	16.19	-0.16	45.24	0.32	26.35	-0.03	0.97
57	B	15.99	-0.03	33.83	0.38	43.41	-0.18	6.13	-0.29	0.64
58	C	19.77	-0.15	8.88	-0.25	51.52	0.38	18.95	-0.12	0.88
59	A	75.16	0.51	7.11	-0.22	12.96	-0.32	4.15	-0.22	0.62
60	A	74.61	0.45	5.60	-0.23	9.53	-0.21	8.71	-0.23	1.54
61	D	11.59	-0.25	12.27	-0.15	23.49	-0.15	51.92	0.41	0.73
62	B	10.76	-0.19	64.78	0.51	10.02	-0.22	13.46	-0.30	0.98
63	D	12.92	-0.20	27.39	-0.02	12.75	-0.15	46.47	0.27	0.46
64	D	24.96	-0.09	13.64	-0.19	15.32	-0.17	45.61	0.35	0.47
65	A	38.16	0.28	8.65	-0.21	38.87	0.06	13.40	-0.28	0.92
66	B	14.79	-0.19	60.07	0.47	13.20	-0.21	11.27	-0.25	0.68
67	A	49.82	0.33	5.99	-0.24	14.13	-0.27	29.44	0.00	0.62
68	B	24.33	-0.10	45.45	0.40	14.21	-0.21	15.26	-0.19	0.74
69	B	47.50	0.24	21.90	0.02	17.62	-0.12	11.61	-0.21	1.38
70	D	9.57	-0.25	17.61	-0.20	21.88	-0.09	50.37	0.39	0.57
71	B	14.38	-0.22	46.60	0.33	26.12	-0.04	12.26	-0.18	0.64
72	A	60.03	0.42	10.57	-0.25	18.04	-0.11	9.48	-0.24	1.89
73	D	7.22	-0.26	6.83	-0.27	8.83	-0.28	75.61	0.54	1.51
74	A	67.36	0.44	11.55	-0.15	9.79	-0.17	10.21	-0.31	1.09
75	A	56.48	0.26	20.76	-0.04	13.78	-0.12	8.51	-0.20	0.47

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.35: Distractor Analysis of Multiple Choice Items in Listening on Stage III

Item	Key	Option A		Option B		Option C		Option D		%
		%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
169	B	11.34	-0.14	60.63	0.28	6.09	-0.13	21.72	-0.14	0.22
170	C	3.78	-0.19	8.14	-0.17	78.42	0.30	9.51	-0.13	0.15
171	B	12.37	-0.15	46.30	0.34	17.67	-0.07	23.43	-0.21	0.24
172	C	4.72	-0.16	2.06	-0.11	90.14	0.26	2.84	-0.16	0.24
173	C	8.59	-0.19	10.28	-0.10	75.02	0.28	5.08	-0.13	1.03
174	B	3.27	-0.10	85.66	0.33	4.36	-0.19	5.32	-0.24	1.39
175	A	88.87	0.30	2.06	-0.13	2.66	-0.15	5.69	-0.20	0.73
176	D	10.28	-0.21	7.20	-0.08	20.81	-0.10	61.46	0.26	0.24
177	A	83.97	0.35	5.51	-0.15	4.60	-0.18	5.63	-0.22	0.30
178	D	14.58	-0.14	19.66	-0.01	16.03	-0.06	49.00	0.16	0.73
179	A	77.31	0.38	7.92	-0.18	7.20	-0.17	7.38	-0.25	0.18
180	B	13.85	-0.13	45.37	0.39	19.30	-0.11	21.11	-0.26	0.36
181	C	14.71	-0.04	3.25	-0.06	24.57	0.08	57.12	0.00	0.35
182	A	67.69	0.23	12.11	-0.15	3.48	-0.06	15.48	-0.09	1.24
183	A	92.79	0.23	1.95	-0.13	1.54	-0.07	1.71	-0.14	2.01
184	C	22.56	-0.06	4.08	-0.15	67.40	0.24	5.14	-0.21	0.83
185	B	6.50	-0.20	73.60	0.37	7.74	-0.22	11.93	-0.15	0.24
186	C	15.06	-0.10	13.70	-0.09	48.02	0.24	22.80	-0.11	0.41
187	A	71.12	0.43	7.32	-0.17	8.45	-0.17	12.52	-0.28	0.59
188	B	6.50	-0.13	70.29	0.34	9.45	-0.14	13.41	-0.23	0.35
189	C	11.58	-0.18	11.22	-0.19	48.97	0.27	27.76	-0.02	0.47
190	B	8.35	-0.18	71.40	0.25	8.70	-0.16	11.43	-0.06	0.12
191	D	10.12	-0.02	14.27	-0.17	7.64	-0.16	66.61	0.24	1.36
192	B	2.07	-0.12	63.53	0.29	4.56	-0.20	28.60	-0.17	1.24
193	C	1.12	-0.08	12.97	-0.18	80.82	0.28	4.44	-0.16	0.65
194	D	6.87	-0.20	24.81	-0.06	8.11	-0.13	59.92	0.23	0.30
195	C	9.41	-0.12	12.73	-0.10	67.44	0.24	9.95	-0.13	0.47
196	C	4.20	-0.13	5.15	-0.21	85.02	0.36	4.80	-0.23	0.83
197	A	55.71	0.25	18.71	0.01	8.41	-0.16	17.05	-0.22	0.12
198	A	72.47	0.43	7.05	-0.18	9.12	-0.26	11.07	-0.21	0.30
199	D	43.17	0.08	2.76	-0.10	25.29	-0.25	28.48	0.19	0.31
200	D	15.19	-0.11	14.70	-0.18	7.65	-0.06	61.30	0.28	1.16
201	C	2.02	-0.15	2.14	-0.11	92.96	0.21	1.47	-0.11	1.41
202	A	18.86	0.11	25.78	0.06	45.93	-0.09	8.88	-0.06	0.55
203	C	28.29	0.06	15.00	-0.05	42.56	0.05	13.96	-0.10	0.18
204	A	52.42	0.31	15.74	-0.14	22.17	-0.09	9.19	-0.23	0.49
205	D	16.41	-0.11	14.02	-0.06	12.49	-0.15	56.77	0.23	0.31
206	C	10.72	-0.15	13.90	-0.16	53.46	0.29	21.74	-0.09	0.18
207	A	59.89	0.27	4.29	-0.15	6.92	-0.19	28.48	-0.11	0.43

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.36: Distractor Analysis of Multiple Choice Items in Reading on Stage IV

Item	Key	Option A		Option B		Option C		Option D		%
		%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
1	B	9.00	-0.22	83.31	0.33	3.46	-0.14	4.14	-0.17	0.10
2	D	7.29	-0.21	7.80	-0.11	39.27	-0.01	44.68	0.21	0.95
3	D	16.68	-0.18	36.57	0.07	24.22	-0.06	21.55	0.18	0.99
4	C	14.48	-0.13	24.09	-0.22	46.47	0.38	13.78	-0.07	1.18
5	C	33.86	0.00	14.83	-0.10	30.08	0.23	19.92	-0.11	1.30
6	C	15.60	-0.22	4.42	-0.26	75.81	0.44	3.37	-0.20	0.80
7	C	18.30	-0.12	34.98	-0.12	37.94	0.32	7.86	-0.10	0.92
8	A	53.88	0.44	16.42	-0.17	10.63	-0.17	17.95	-0.22	1.11
9	D	26.96	0.03	19.64	-0.14	17.95	-0.14	34.28	0.25	1.18
10	A	55.79	0.42	14.13	-0.16	12.79	-0.19	16.30	-0.19	0.99
11	D	24.49	-0.10	17.28	-0.21	16.37	-0.17	41.57	0.38	0.29
12	A	28.73	0.16	29.44	0.04	25.37	-0.04	16.07	-0.18	0.39
13	B	23.38	0.00	22.17	0.03	27.23	-0.11	26.96	0.09	0.26
14	C	19.47	-0.19	14.12	-0.16	43.30	0.34	22.69	-0.08	0.42
15	D	12.86	-0.23	10.31	-0.17	22.15	-0.14	53.56	0.42	1.11
16	A	36.03	0.23	31.92	-0.01	17.63	-0.12	13.18	-0.11	1.24
17	B	17.54	-0.12	31.86	0.15	32.56	0.06	16.58	-0.08	1.46
18	D	31.80	0.01	12.06	-0.18	15.91	-0.15	39.02	0.27	1.21
19	A	31.19	0.16	20.53	-0.06	19.48	-0.12	27.59	0.04	1.21
20	A	83.07	0.39	8.12	-0.22	3.21	-0.20	4.93	-0.17	0.67
21	B	8.02	-0.20	78.52	0.49	7.64	-0.28	5.06	-0.25	0.76
22	D	6.17	-0.34	3.78	-0.22	3.25	-0.19	86.08	0.48	0.71
23	B	27.26	-0.11	50.67	0.33	9.81	-0.18	11.97	-0.18	0.29
24	B	24.39	-0.15	35.96	0.30	26.41	-0.11	12.78	-0.10	0.46
25	C	41.15	-0.01	26.34	-0.10	21.52	0.26	10.63	-0.17	0.36
26	B	18.75	0.03	25.89	0.16	23.18	-0.05	31.40	-0.12	0.78
27	C	21.39	-0.13	9.05	-0.10	55.89	0.30	13.11	-0.18	0.56
28	A	77.44	0.47	10.24	-0.27	6.19	-0.21	5.87	-0.26	0.26
29	A	43.24	0.37	16.80	-0.13	19.54	-0.15	19.55	-0.15	0.87
30	D	24.74	-0.05	30.47	0.13	24.37	-0.06	19.62	0.00	0.81
31	C	18.33	-0.06	21.53	-0.11	35.40	0.19	23.88	-0.02	0.85
32	D	21.50	-0.06	27.93	-0.01	19.65	-0.11	30.20	0.18	0.72
33	D	6.55	-0.35	4.76	-0.18	5.93	-0.22	82.46	0.47	0.29
34	C	8.44	-0.21	33.06	-0.26	45.68	0.43	12.65	-0.09	0.16
35	D	23.54	-0.07	15.03	-0.18	14.70	-0.22	46.53	0.35	0.20
36	B	10.82	-0.21	55.23	0.27	22.01	-0.06	11.74	-0.13	0.20
37	A	42.45	0.35	23.18	-0.05	23.57	-0.19	10.60	-0.22	0.20
38	D	18.05	-0.30	7.99	-0.22	6.46	-0.18	66.36	0.51	1.15
39	A	34.44	0.28	23.55	-0.05	29.38	-0.09	11.33	-0.15	1.30
40	A	46.53	0.32	19.57	-0.13	18.30	-0.14	14.45	-0.09	1.15
41	A	25.33	0.26	19.03	-0.08	27.53	-0.04	26.42	-0.10	1.69
42	C	23.41	-0.17	17.35	-0.12	40.30	0.29	18.75	-0.06	0.20
43	C	26.64	-0.18	22.95	0.03	31.79	0.21	18.36	-0.07	0.26
44	B	20.57	-0.09	38.28	0.34	23.64	-0.20	16.86	-0.09	0.65
45	A	35.15	0.22	23.70	-0.15	23.80	-0.09	17.02	0.00	0.33
46	A	31.82	0.29	15.19	-0.16	26.18	-0.03	26.31	-0.14	0.49

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.37: Distractor Analysis of Multiple Choice Items in Writing on Stage IV

Item	Key	Option A		Option B		Option C		Option D		%
		%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
51	D	12.46	-0.16	24.81	-0.09	16.04	-0.15	45.61	0.31	1.08
52	C	22.63	-0.12	18.39	-0.21	45.09	0.34	13.73	-0.11	0.16
53	D	17.22	-0.14	23.54	-0.15	13.89	-0.14	45.16	0.34	0.20
54	D	20.75	-0.19	36.86	0.03	8.47	-0.15	32.81	0.27	1.11
55	A	39.13	0.30	11.93	-0.09	17.41	-0.18	30.32	-0.09	1.21
56	D	24.39	-0.08	17.80	-0.18	14.77	-0.24	42.75	0.38	0.29
57	B	23.68	-0.03	36.44	0.20	21.39	-0.17	17.38	0.01	1.11
58	A	71.67	0.30	8.58	-0.19	14.64	-0.15	4.99	-0.12	0.13
59	D	14.70	-0.21	11.04	-0.08	30.94	-0.12	41.18	0.37	2.13
60	A	37.43	0.22	13.02	-0.16	17.25	-0.08	31.16	0.00	1.15
61	A	52.95	0.33	17.38	-0.28	6.85	-0.11	22.46	-0.06	0.36
62	D	13.04	-0.21	11.84	-0.25	8.74	-0.25	65.99	0.48	0.39
63	B	15.22	-0.19	50.83	0.38	14.53	-0.12	17.59	-0.17	1.84
64	C	21.29	-0.06	23.04	-0.06	35.46	0.23	19.16	-0.10	1.05
65	B	14.64	-0.09	48.63	0.34	14.26	-0.18	20.34	-0.13	2.13
66	C	29.64	-0.26	8.97	-0.19	43.46	0.41	17.48	-0.07	0.46
67	D	34.28	-0.04	16.74	-0.09	16.84	-0.10	31.06	0.24	1.08
68	A	59.29	0.35	20.24	-0.15	12.35	-0.17	7.13	-0.13	0.99
69	C	16.01	-0.08	6.75	-0.21	47.04	0.21	29.28	-0.01	0.92
70	C	15.06	-0.20	15.10	-0.19	53.31	0.40	16.17	-0.15	0.36
71	C	17.82	-0.17	21.51	-0.14	43.00	0.35	16.74	-0.09	0.92
72	B	18.30	-0.06	32.15	0.30	14.54	-0.10	33.48	-0.13	1.53
73	D	45.45	0.06	21.72	-0.08	11.57	-0.17	20.35	0.16	0.91
74	B	10.69	-0.19	61.14	0.31	3.79	-0.19	23.52	-0.09	0.86
75	B	9.65	-0.17	34.35	0.15	26.99	0.00	28.36	-0.03	0.64
76	A	38.05	0.33	23.77	-0.16	15.32	-0.24	22.40	0.00	0.46
77	B	16.89	-0.05	23.03	0.09	29.73	-0.10	29.62	0.09	0.72
78	B	8.27	-0.23	69.92	0.44	8.98	-0.20	11.81	-0.18	1.02
79	D	7.38	-0.21	18.11	-0.16	12.76	-0.23	60.53	0.44	1.21
80	B	22.20	-0.09	30.68	0.23	7.66	-0.15	39.13	-0.05	0.33
81	D	16.54	-0.19	8.52	-0.18	14.00	-0.18	60.22	0.40	0.72
82	C	28.76	0.00	7.79	-0.13	27.91	0.14	34.95	-0.04	0.59

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.38: Distractor Analysis of Multiple Choice Items in Listening on Stage IV

Item	Key	Option A		Option B		Option C		Option D		%
		%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
87	A	67.18	0.37	15.14	-0.26	8.17	-0.12	9.20	-0.15	0.32
88	B	8.24	-0.13	26.23	0.22	13.94	-0.28	51.21	0.08	0.38
89	D	8.21	-0.15	4.46	-0.17	12.99	-0.20	74.03	0.34	0.32
90	A	71.31	0.36	5.51	-0.23	12.81	-0.09	10.14	-0.27	0.23
91	C	21.64	-0.15	9.96	-0.22	57.96	0.37	9.87	-0.16	0.57
92	D	7.39	-0.25	9.47	-0.11	7.42	-0.15	75.44	0.33	0.27
93	C	2.32	-0.18	2.71	-0.16	86.41	0.31	8.24	-0.18	0.32
94	C	10.04	-0.18	28.86	0.11	29.96	0.16	30.32	-0.15	0.82
95	B	8.38	-0.16	48.81	0.24	19.37	-0.15	23.05	-0.04	0.39
96	C	7.50	-0.14	17.38	-0.14	48.22	0.28	26.25	-0.10	0.65
97	C	8.67	-0.19	21.23	-0.16	56.99	0.31	12.65	-0.09	0.46
98	D	11.22	-0.10	15.39	-0.11	12.03	-0.30	60.97	0.36	0.39
99	C	7.19	-0.26	5.79	-0.12	68.17	0.38	18.59	-0.19	0.25
100	D	21.96	-0.15	20.08	-0.06	8.56	-0.10	48.76	0.25	0.64
101	B	49.20	0.00	41.57	0.18	4.37	-0.27	4.70	-0.15	0.16
102	C	6.85	-0.20	7.43	-0.12	78.38	0.30	7.04	-0.15	0.29
103	A	42.19	0.25	27.94	0.00	14.74	-0.20	14.61	-0.14	0.52
104	B	5.38	-0.17	53.79	0.29	19.86	-0.10	20.43	-0.15	0.54
105	A	49.68	0.36	26.42	-0.09	12.19	-0.18	10.92	-0.22	0.80
106	B	9.81	-0.06	69.58	0.31	4.70	-0.28	15.72	-0.17	0.20
107	B	17.10	-0.16	55.39	0.30	18.68	-0.15	8.52	-0.08	0.31
108	A	71.04	0.41	13.34	-0.21	9.17	-0.25	5.98	-0.15	0.48
109	D	16.17	-0.09	27.91	-0.05	24.16	-0.03	30.87	0.18	0.89
110	C	17.03	-0.15	4.87	-0.17	66.65	0.36	10.92	-0.22	0.54
111	D	16.56	-0.19	21.65	-0.03	15.10	-0.12	46.53	0.26	0.16

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.39: Distractor Analysis of Multiple Choice Items in Reading on Stage V

Item	Key	Option A		Option B		Option C		Option D		%
		%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
1	B	6.33	-0.26	84.73	0.47	3.59	-0.21	5.04	-0.27	0.32
2	B	35.82	-0.04	37.55	0.32	4.07	-0.15	22.24	-0.25	0.32
3	C	11.95	-0.14	8.41	-0.20	53.06	0.34	26.33	-0.14	0.25
4	A	46.10	0.33	27.65	-0.20	17.67	-0.11	8.09	-0.11	0.50
5	D	5.41	-0.26	12.72	-0.27	7.17	-0.24	74.26	0.50	0.44
6	B	21.43	0.00	37.90	0.30	29.66	-0.24	10.57	-0.10	0.44
7	D	5.97	-0.18	5.86	-0.19	10.55	-0.18	77.15	0.36	0.47
8	B	8.55	-0.25	70.12	0.49	12.70	-0.29	8.22	-0.18	0.40
9	B	15.59	-0.29	68.21	0.44	9.11	-0.17	6.85	-0.19	0.24
10	A	46.45	0.38	23.93	-0.10	13.26	-0.32	15.91	-0.09	0.44
11	D	10.35	-0.16	12.25	-0.10	18.94	-0.27	57.94	0.39	0.52
12	A	41.42	0.40	19.86	-0.15	21.56	-0.11	16.52	-0.23	0.64
13	A	44.48	0.39	22.12	-0.28	20.51	-0.01	12.65	-0.21	0.24
14	D	6.49	-0.23	11.16	-0.26	12.49	-0.17	69.42	0.44	0.44
15	B	5.04	-0.24	79.17	0.50	5.64	-0.21	10.03	-0.33	0.12
16	C	25.54	-0.14	23.01	-0.04	38.68	0.29	12.05	-0.17	0.73
17	C	17.93	-0.18	10.80	-0.21	58.42	0.33	12.21	-0.07	0.64
18	B	29.67	-0.06	64.82	0.19	2.75	-0.17	2.50	-0.19	0.25
19	A	42.43	0.20	14.85	-0.24	32.57	0.00	9.46	-0.02	0.69
20	C	15.36	-0.10	20.52	-0.15	52.44	0.28	11.21	-0.12	0.47
21	A	52.95	0.48	22.74	-0.33	12.08	-0.17	11.54	-0.12	0.69
22	B	11.90	-0.24	68.49	0.38	9.06	-0.11	10.01	-0.18	0.55
23	B	19.83	-0.13	39.41	0.35	20.41	-0.10	19.65	-0.18	0.69
24	B	16.29	-0.17	65.95	0.41	10.29	-0.22	6.86	-0.22	0.61
25	A	49.76	0.22	24.70	-0.07	13.78	-0.20	11.40	-0.02	0.36
26	C	15.43	-0.22	14.30	-0.18	45.97	0.38	23.97	-0.10	0.32
27	B	13.82	-0.08	49.64	0.23	25.14	-0.08	10.88	-0.15	0.52
28	C	20.39	-0.07	22.80	0.02	41.86	0.21	14.38	-0.23	0.56
29	C	15.71	-0.15	13.94	-0.23	56.12	0.39	13.66	-0.15	0.56
30	D	16.72	-0.09	25.75	-0.21	11.56	-0.19	45.53	0.39	0.44
31	B	21.72	-0.08	38.40	0.31	20.35	-0.15	18.90	-0.12	0.64
32	D	35.94	-0.15	16.44	-0.06	15.35	-0.02	31.39	0.24	0.89
33	A	49.60	0.41	18.01	-0.10	16.36	-0.10	15.47	-0.33	0.56
34	D	13.78	-0.29	5.16	-0.19	4.79	-0.25	75.99	0.47	0.28
35	C	6.57	-0.29	4.19	-0.23	85.74	0.49	3.26	-0.28	0.24
36	D	2.62	-0.23	2.62	-0.20	3.86	-0.20	90.57	0.39	0.33
37	A	42.65	0.28	21.03	-0.11	20.31	-0.06	15.25	-0.18	0.76
38	D	24.02	0.00	15.47	-0.23	19.43	-0.20	40.68	0.34	0.40
39	D	19.61	-0.24	5.90	-0.22	8.92	-0.22	64.88	0.46	0.69
40	C	14.99	-0.11	24.05	-0.12	50.40	0.31	10.23	-0.19	0.33
41	A	61.86	0.20	22.31	-0.03	7.13	-0.15	7.93	-0.13	0.76
42	A	75.29	0.40	5.46	-0.19	6.00	-0.27	12.85	-0.18	0.40
43	D	18.16	-0.04	17.36	-0.21	19.32	-0.11	44.76	0.29	0.40
44	B	12.92	-0.17	57.79	0.44	10.55	-0.18	18.23	-0.24	0.51
45	C	29.99	-0.10	21.72	-0.11	35.33	0.28	12.37	-0.11	0.58
46	B	23.25	-0.16	52.11	0.38	9.61	-0.15	14.41	-0.20	0.62
47	D	10.84	-0.22	31.77	0.05	21.69	-0.18	35.12	0.27	0.58
48	B	13.72	-0.11	36.24	0.31	20.96	-0.11	28.17	-0.13	0.91
49	A	28.28	0.10	23.22	-0.06	23.44	-0.06	24.20	0.03	0.87
50	C	23.07	-0.09	12.66	-0.17	40.94	0.34	22.82	-0.16	0.51

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.40: Distractor Analysis of Multiple Choice Items in Writing on Stage V

Item	Key	Option A		Option B		Option C		Option D		%
		%	PtBis	%	PtBis	%	PtBis	%	PtBis	Omit
51	B	35.70	-0.01	35.66	0.23	19.29	-0.16	8.99	-0.12	0.36
52	C	2.11	-0.12	2.80	-0.15	84.35	0.29	10.23	-0.18	0.51
53	D	30.02	-0.23	9.99	-0.31	8.66	-0.10	51.01	0.47	0.32
54	B	6.69	-0.22	70.19	0.46	9.67	-0.21	11.93	-0.26	1.53
55	A	88.50	0.32	8.08	-0.23	1.64	-0.15	1.53	-0.12	0.25
56	B	17.43	-0.17	59.35	0.39	10.01	-0.27	12.66	-0.11	0.55
57	C	24.13	-0.09	16.23	-0.14	39.26	0.26	19.61	-0.07	0.76
58	D	6.93	-0.27	16.24	-0.16	16.32	-0.12	60.15	0.37	0.36
59	C	49.42	-0.02	23.94	0.01	21.94	0.11	4.18	-0.15	0.51
60	A	67.93	0.50	8.58	-0.23	14.14	-0.32	9.07	-0.19	0.28
61	B	14.95	-0.20	53.34	0.46	14.50	-0.21	16.84	-0.20	0.36
62	B	10.23	-0.24	46.07	0.34	28.78	-0.07	14.37	-0.15	0.55
63	A	18.85	0.14	5.89	-0.11	10.00	-0.14	64.51	0.05	0.75
64	C	7.74	-0.13	29.13	-0.12	27.44	0.25	35.25	-0.04	0.44
65	C	6.85	-0.18	8.82	-0.21	69.98	0.44	14.14	-0.27	0.20
66	D	37.19	-0.08	13.94	-0.07	11.50	-0.12	36.39	0.24	0.98
67	C	8.88	-0.07	50.76	0.01	30.09	0.15	9.79	-0.15	0.47
68	A	71.43	0.41	17.03	-0.22	3.78	-0.18	7.50	-0.22	0.25
69	A	87.95	0.29	8.30	-0.18	2.10	-0.16	1.41	-0.16	0.24
70	B	21.23	-0.01	20.87	0.10	11.12	-0.19	45.77	0.05	1.01
71	C	16.28	-0.16	9.27	-0.26	58.50	0.44	15.43	-0.20	0.52
72	C	22.23	-0.04	25.87	-0.04	42.58	0.20	8.70	-0.19	0.62
73	D	17.85	-0.20	19.22	-0.09	16.20	-0.16	45.81	0.37	0.93
74	C	28.68	0.02	13.14	-0.29	52.87	0.27	4.95	-0.17	0.36
75	C	27.28	-0.20	12.13	-0.12	47.86	0.36	12.41	-0.15	0.32
76	A	41.46	0.27	32.47	-0.02	12.57	-0.17	12.73	-0.20	0.77
77	A	22.44	0.15	44.04	-0.11	8.06	-0.10	25.22	0.06	0.24
78	A	57.46	0.42	12.68	-0.25	21.19	-0.13	8.41	-0.25	0.27
79	A	23.58	0.22	18.49	-0.05	30.42	-0.14	26.97	-0.01	0.55
80	A	51.97	0.16	24.75	-0.03	10.92	-0.09	11.17	-0.08	1.20
81	B	36.50	-0.05	25.20	0.27	17.97	-0.07	18.95	-0.15	1.38
82	D	9.60	-0.20	13.79	-0.26	13.98	-0.23	62.14	0.49	0.50

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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Table 7.41: Distractor Analysis of Multiple Choice Items in Listening on Stage V

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	PtBis	%	PtBis	%	PtBis	%	PtBis	
87	B	13.54	-0.15	37.92	0.36	22.24	-0.26	25.85	-0.03	0.46
88	D	5.44	-0.29	4.79	-0.17	29.98	-0.21	59.63	0.41	0.16
89	B	3.63	-0.20	54.15	0.36	17.12	-0.29	24.42	-0.07	0.68
90	B	19.10	-0.19	55.28	0.42	14.54	-0.20	10.48	-0.20	0.60
91	A	63.82	0.37	14.42	-0.03	7.01	-0.22	13.78	-0.29	0.97
92	C	16.08	-0.15	7.31	-0.14	50.51	0.43	25.76	-0.28	0.33
93	C	26.53	-0.11	7.28	-0.18	50.66	0.34	15.17	-0.20	0.36
94	D	18.65	-0.26	5.48	-0.21	11.44	-0.17	64.14	0.43	0.28
95	D	13.01	-0.12	21.68	-0.17	9.79	-0.19	55.16	0.34	0.36
96	A	50.11	0.26	8.05	-0.16	35.30	-0.14	6.12	-0.07	0.42
97	A	85.23	0.43	3.78	-0.21	3.78	-0.25	6.77	-0.24	0.44
98	D	11.97	-0.20	7.74	-0.21	7.78	-0.20	71.89	0.40	0.61
99	D	5.02	-0.19	10.15	-0.18	17.39	-0.20	66.78	0.37	0.66
100	D	14.12	-0.14	25.22	-0.12	24.05	-0.05	35.99	0.26	0.62
101	A	59.06	0.39	10.44	-0.23	6.08	-0.22	23.51	-0.15	0.91
102	C	19.03	-0.11	10.55	-0.23	57.50	0.43	12.63	-0.28	0.29
103	C	25.71	-0.14	12.21	-0.25	53.83	0.41	8.02	-0.21	0.24
104	C	12.37	-0.12	11.20	-0.16	37.79	0.21	38.36	-0.02	0.28
105	C	13.34	-0.06	18.65	-0.23	36.30	0.27	31.22	-0.03	0.48
106	C	18.73	-0.11	14.67	-0.19	54.15	0.32	11.60	-0.12	0.85
107	C	3.82	-0.27	4.62	-0.18	66.89	0.28	24.34	-0.09	0.33
108	A	43.30	0.27	22.49	-0.08	24.02	-0.12	9.39	-0.16	0.80
109	A	69.34	0.43	9.91	-0.23	12.21	-0.28	8.06	-0.13	0.48
110	B	27.69	0.08	42.39	0.21	16.38	-0.22	13.21	-0.15	0.33
111	D	14.19	-0.11	23.94	-0.04	19.03	-0.04	42.50	0.15	0.33

Note: Item number does not indicate item location on an operational form as all items on 2 operational forms were concurrently analyzed.

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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 2013 AZELLA Stages I through V tests 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 Kindergarten Placement Test as it is a pre-equated test. Chapter 8 of this report addresses the following AERA/APA/NCME standards: 1.13, 2.1, 2.2, 2.14, 4.1, 4.2, 4.3, 6.4, 6.5, and 13.6.

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

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

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

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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 AZELLA Stages I through V tests are presented in Table 8.1 through Table 8.20. The Kindergarten Placement Test is a pre-equated test and its score table was generated using the IRT statistics from the field test. Please refer to the AZELLA field test technical report for the IRT statistics from the field test. 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. Typically, for infit MNSQ, values less than 0.6 or greater than 1.4 and, for outfit MNSQ, values greater than 1.4 indicate misfit (Wright & Linacre, 1994).

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Table 8.1: IRT Statistics for Items in Prereading 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	-1.00	0.04	1.00	0.96	17	MC	-0.60	0.03	0.97	0.93
2	MC	-1.00	0.02	0.91	0.83	18	MC	0.18	0.03	1.13	1.17
3	MC	0.29	0.03	1.11	1.12	19	MC	0.67	0.03	1.08	1.11
4	MC	-0.15	0.03	1.05	1.07	20	MC	0.22	0.03	0.97	0.96
5	MC	0.21	0.03	1.22	1.28	21	MC	-0.43	0.03	1.02	1.05
6	MC	0.01	0.03	1.04	1.04	22	MC	-0.06	0.03	0.87	0.83
7	MC	-0.02	0.03	0.94	0.90	23	MC	0.45	0.03	0.97	0.96
8	MC	-0.12	0.03	0.97	0.96	24	MC	0.05	0.03	1.09	1.09
9	MC	0.36	0.03	1.08	1.09	25	MC	0.08	0.03	1.07	1.08
10	MC	0.07	0.03	0.96	0.94	26	MC	-1.06	0.04	1.01	0.98
11	MC	-0.33	0.03	0.98	0.96	27	MC	-1.13	0.04	1.08	1.20
12	MC	-0.91	0.02	0.92	0.83	28	MC	0.10	0.03	0.99	0.97
13	MC	0.15	0.03	1.00	1.01	29	MC	0.02	0.03	1.06	1.11
14	MC	0.76	0.03	1.02	1.07	30	MC	-0.17	0.03	0.86	0.81
15	MC	0.42	0.03	0.96	0.95	31	MC	-1.02	0.02	0.97	0.94
16	MC	0.09	0.03	0.98	0.95	32	MC	0.27	0.02	1.07	1.09

Note: MC=Multiple-choice Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 8.2: IRT Statistics for Items in Prewriting 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	0.04	0.02	1.04	1.06	41	SA2	-0.38	0.02	1.07	1.08
34	SA2	-1.16	0.02	0.97	0.98	42	SA2	1.58	0.02	0.83	0.81
35	SA2	0.48	0.02	0.90	0.88	43	SA3	1.21	0.01	0.84	0.83
36	SA1	1.16	0.03	1.07	1.12	44	SA2	-0.88	0.03	0.99	1.00
37	SA1	0.95	0.03	1.05	1.08	45	SA2	-0.78	0.03	1.00	1.01
38	SA1	0.26	0.03	1.01	1.02	46	SA2	0.03	0.02	0.85	0.85
39	SA3	1.79	0.02	0.87	0.85	47	SA1	0.12	0.03	1.00	1.00
40	SA3	1.68	0.02	0.87	0.85	48	SA2	1.68	0.03	0.86	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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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
49	MC	-0.02	0.03	0.98	0.97	61	MC	0.29	0.02	0.98	0.97
50	MC	0.16	0.03	1.01	1.00	62	MC	-1.05	0.04	1.06	1.12
51	MC	-0.51	0.03	0.93	0.90	63	MC	-0.08	0.03	0.93	0.90
52	MC	-0.62	0.03	0.92	0.87	64	MC	-0.44	0.03	0.98	0.98
53	MC	0.40	0.03	1.12	1.14	65	MC	-0.14	0.03	0.90	0.87
54	MC	-0.73	0.03	1.01	1.01	66	MC	-0.69	0.03	0.99	0.95
55	MC	-0.82	0.03	0.97	0.96	67	MC	-0.32	0.03	1.01	0.99
56	MC	0.37	0.02	1.08	1.11	68	MC	-0.88	0.03	1.02	1.02
57	MC	0.22	0.03	1.04	1.04	69	MC	0.46	0.02	1.13	1.18
58	MC	0.16	0.03	1.02	1.04	70	MC	-0.62	0.03	1.00	1.00
59	MC	-0.85	0.03	1.04	1.09	71	MC	0.46	0.03	1.00	1.01
60	MC	-0.19	0.03	1.07	1.09	72	MC	-0.56	0.02	1.01	0.99

Note: MC=Multiple-choice Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

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
73	SA2	-0.13	0.01	1.04	1.10	80	SA1	0.17	0.03	1.01	1.03
74	SA2	0.26	0.02	1.10	1.13	81	SA1	2.92	0.05	1.01	1.06
75	SA2	0.16	0.02	1.03	1.04	82	SA1	-1.63	0.03	0.94	0.87
76	SA1	-1.94	0.05	0.95	0.96	83	SA1	0.43	0.03	0.98	0.97
77	SA2	-0.44	0.02	1.02	1.11	84	SA2	0.20	0.02	1.15	1.21
78	SA1	2.84	0.05	1.08	1.30	85	SA4	0.46	0.02	1.01	1.06
79	SA1	-1.93	0.05	0.94	0.86	86	SA4	0.46	0.02	0.98	1.04

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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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
1	MC	0.43	0.02	1.15	1.18	22	MC	-0.86	0.01	0.89	0.80
2	MC	0.68	0.02	1.02	1.05	23	MC	0.36	0.02	1.00	1.01
3	MC	0.02	0.02	0.91	0.88	24	MC	-1.27	0.02	0.86	0.70
4	MC	-0.85	0.01	1.01	1.02	25	MC	-0.27	0.02	0.97	0.94
5	MC	0.65	0.02	1.00	1.00	26	MC	-0.69	0.02	0.79	0.68
6	MC	-0.66	0.02	0.87	0.79	27	MC	0.43	0.02	1.00	1.00
7	MC	-0.28	0.02	0.90	0.86	28	MC	0.30	0.02	0.95	0.94
8	MC	0.22	0.02	0.98	0.97	29	MC	0.47	0.02	0.98	0.98
9	MC	0.31	0.02	0.91	0.90	30	MC	-0.52	0.02	1.08	1.16
10	MC	0.07	0.02	1.02	1.03	31	MC	0.09	0.02	1.05	1.06
11	MC	-0.20	0.02	0.92	0.88	32	MC	-0.02	0.02	0.81	0.77
12	MC	-0.48	0.02	0.89	0.84	33	MC	0.30	0.02	0.98	0.98
13	MC	-0.93	0.02	0.96	0.95	34	MC	0.19	0.02	0.89	0.86
14	MC	-0.07	0.02	1.10	1.10	35	MC	-0.10	0.02	0.98	0.97
15	MC	-1.09	0.02	1.00	1.00	91	SA3	-0.05	0.01	1.02	1.04
16	MC	-0.46	0.02	0.83	0.76	92	SA1	1.57	0.02	1.10	1.16
17	MC	-0.50	0.02	0.93	0.86	93	SA1	1.51	0.02	1.12	1.20
18	MC	1.31	0.01	1.10	1.17	94	SA1	3.88	0.04	1.02	1.20
19	MC	0.30	0.01	0.97	0.97	99	SA3	0.49	0.01	1.20	1.23
20	MC	0.43	0.01	0.98	0.98	100	SA1	2.91	0.03	1.10	1.48
21	MC	-1.11	0.02	0.96	0.90						

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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
36	MC	0.55	0.01	1.03	1.04	49	MC	-0.02	0.02	0.95	0.93
37	MC	0.69	0.02	1.04	1.06	50	MC	0.53	0.02	1.02	1.02
38	MC	0.17	0.02	0.97	0.97	51	MC	-0.04	0.02	0.87	0.85
39	MC	-0.10	0.01	0.94	0.91	52	MC	0.10	0.02	1.05	1.05
40	MC	0.72	0.02	1.09	1.13	53	MC	-1.11	0.01	0.88	0.75
41	MC	0.59	0.02	1.04	1.05	54	MC	0.08	0.02	1.05	1.06
42	MC	1.12	0.01	1.22	1.32	55	MC	-0.46	0.02	1.05	1.05
43	MC	0.82	0.02	1.07	1.08	56	MC	-0.76	0.02	0.90	0.83
44	MC	0.49	0.02	1.03	1.04	57	MC	-0.47	0.02	0.93	0.86
45	MC	-1.18	0.02	0.87	0.72	58	ER	-0.48	0.01	0.75	0.73
46	MC	-0.25	0.02	0.96	0.90	59	ER	-0.43	0.01	0.76	0.75
47	MC	0.43	0.02	0.89	0.87	60	ER	-0.39	0.01	0.76	0.76
48	MC	0.11	0.02	1.04	1.03	61	ER	-0.68	0.01	0.75	0.73

Note: MC=Multiple-choice Item, ER=Extended Response Item, 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 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
62	MC	0.83	0.02	0.99	1.01	75	MC	-1.32	0.02	1.01	1.02
63	MC	-0.46	0.02	1.06	1.05	76	MC	-1.53	0.02	0.98	1.00
64	MC	-0.54	0.02	1.06	1.07	77	MC	-0.97	0.02	0.95	0.90
65	MC	-0.50	0.02	1.08	1.12	78	MC	-0.57	0.02	1.07	1.12
66	MC	0.74	0.02	1.01	1.02	79	MC	-0.06	0.02	1.11	1.14
67	MC	0.16	0.02	1.08	1.09	80	MC	-1.20	0.02	0.97	0.94
68	MC	0.70	0.02	0.99	1.01	81	MC	-1.56	0.02	0.95	0.88
69	MC	0.17	0.02	1.04	1.04	82	MC	0.25	0.02	1.10	1.12
70	MC	-2.25	0.02	0.92	0.74	83	MC	-0.16	0.02	1.03	1.02
71	MC	-2.20	0.03	0.92	0.71	84	MC	-1.77	0.03	1.02	1.17
72	MC	0.52	0.01	1.04	1.05	85	MC	-1.61	0.02	0.97	0.98
73	MC	0.69	0.02	1.01	1.02	86	MC	0.69	0.01	0.95	0.95
74	MC	-0.61	0.02	1.03	1.03						

Note: MC=Multiple-choice Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

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
87	SA4	1.19	0.01	1.21	1.26	98	SA4	0.91	0.01	1.19	1.19
88	SA4	0.94	0.01	1.01	1.25	101	SA4	2.23	0.01	1.47	1.87
89	SA4	0.86	0.01	1.17	1.50	102	SA4	1.27	0.01	1.06	1.39
90	SA4	0.94	0.01	1.25	1.25	103	SA4	0.91	0.01	1.22	1.24
95	SA4	2.13	0.01	1.36	1.57	104	SA4	0.65	0.01	1.32	1.34
96	SA4	0.80	0.01	1.36	1.54	105	SA4	-0.93	0.01	0.93	1.01
97	SA4	1.01	0.01	1.19	1.19	106	SA4	-0.85	0.01	0.96	1.02

Note: SA4=4 Point Short Answer Item, 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 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
1	MC	0.28	0.02	1.04	1.07	25	MC	-0.27	0.02	0.90	0.88
2	MC	0.47	0.02	1.00	1.02	26	MC	-1.36	0.03	0.99	0.98
3	MC	0.23	0.02	0.88	0.87	27	MC	0.73	0.02	1.00	1.03
4	MC	1.10	0.02	1.19	1.35	28	MC	0.71	0.02	1.03	1.06
5	MC	0.55	0.02	0.98	1.01	29	MC	1.00	0.02	1.07	1.16
6	MC	-1.58	0.03	0.96	0.94	30	MC	0.23	0.02	0.94	0.94
7	MC	-1.05	0.03	0.89	0.81	31	MC	0.26	0.02	0.94	0.95
8	MC	-0.40	0.02	1.03	1.03	32	MC	-1.93	0.02	0.90	0.73
9	MC	0.90	0.02	1.04	1.08	33	MC	0.74	0.02	1.18	1.26
10	MC	0.08	0.02	0.93	0.92	34	MC	0.10	0.02	1.03	1.04
11	MC	-0.19	0.02	0.91	0.89	35	MC	-0.36	0.02	0.93	0.91
12	MC	1.72	0.03	1.15	1.52	36	MC	-0.29	0.02	0.93	0.91
13	MC	0.70	0.02	1.06	1.11	37	MC	1.82	0.03	1.11	1.47
14	MC	1.00	0.02	1.05	1.13	38	MC	1.03	0.02	1.02	1.09
15	MC	1.13	0.03	1.09	1.21	39	MC	1.10	0.02	1.11	1.27
16	MC	0.58	0.02	1.03	1.07	40	MC	1.09	0.02	1.12	1.24
17	MC	-0.17	0.02	0.88	0.85	41	MC	0.92	0.02	1.12	1.20
18	MC	-0.70	0.02	0.92	0.88	42	SA1	0.29	0.02	0.90	0.88
19	MC	0.22	0.02	0.95	0.95	43	SA1	1.15	0.03	1.15	1.24
20	MC	-1.12	0.03	0.87	0.77	44	SA1	-1.11	0.03	0.89	0.83
21	MC	-0.59	0.02	1.04	1.05	45	SA1	1.20	0.03	1.13	1.21
22	MC	0.73	0.02	1.03	1.07	46	SA1	-0.57	0.02	0.91	0.89
23	MC	0.56	0.02	0.97	0.99	47	SA1	-0.70	0.02	0.91	0.88
24	MC	-0.86	0.02	0.89	0.84						

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed

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
48	MC	-0.16	0.02	0.90	0.88	64	MC	0.27	0.02	0.99	1.00
49	MC	0.55	0.02	1.12	1.18	65	MC	0.66	0.02	1.04	1.08
50	MC	-1.83	0.03	0.92	0.82	66	MC	-0.38	0.02	0.90	0.88
51	MC	-0.69	0.02	0.91	0.89	67	MC	0.10	0.02	1.01	1.02
52	MC	0.61	0.02	1.03	1.05	68	MC	0.32	0.02	0.96	0.96
53	MC	-0.10	0.02	0.89	0.87	69	MC	1.50	0.03	1.18	1.47
54	MC	-0.23	0.02	0.90	0.88	70	MC	0.09	0.02	0.96	0.96
55	MC	-0.14	0.02	0.93	0.91	71	MC	0.23	0.02	1.01	1.02
56	MC	0.31	0.02	1.02	1.04	72	MC	-0.39	0.02	0.94	0.93
57	MC	0.83	0.02	0.94	0.97	73	MC	-1.18	0.03	0.84	0.74
58	MC	0.00	0.02	0.97	0.97	74	MC	-0.75	0.02	0.91	0.89
59	MC	-1.18	0.03	0.86	0.75	75	MC	-0.19	0.02	1.08	1.09
60	MC	-1.15	0.03	0.90	0.84	76	ER	0.26	0.01	0.76	0.75
61	MC	-0.02	0.02	0.95	0.94	77	ER	0.26	0.01	0.76	0.77
62	MC	-0.59	0.02	0.87	0.84	78	ER	0.45	0.01	0.74	0.76
63	MC	0.25	0.02	1.06	1.08	79	ER	0.21	0.01	0.72	0.72

Note: MC=Multiple-choice Item, ER=Extended Response Item, 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 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
80	MC	-0.68	0.02	1.04	1.05	93	MC	-0.67	0.02	1.02	1.04
81	MC	-1.47	0.03	0.96	0.97	94	MC	-1.94	0.03	0.93	0.89
82	MC	0.16	0.02	0.98	0.98	95	MC	-0.43	0.02	1.01	1.00
83	MC	-0.62	0.02	1.04	1.05	96	MC	-0.54	0.02	1.10	1.15
84	MC	0.24	0.02	1.10	1.13	97	MC	1.13	0.03	1.11	1.19
85	MC	0.01	0.02	0.96	0.95	98	MC	-0.37	0.02	1.02	1.02
86	MC	1.13	0.02	1.09	1.20	99	MC	1.11	0.02	1.09	1.21
87	MC	-0.79	0.02	1.04	1.07	100	MC	0.51	0.02	1.18	1.24
88	MC	-1.17	0.03	1.06	1.15	101	MC	-0.14	0.02	1.01	1.02
89	MC	-0.12	0.02	1.06	1.07	102	MC	-0.17	0.02	1.07	1.08
90	MC	-1.37	0.03	0.88	0.76	103	MC	-0.34	0.02	1.02	1.02
91	MC	-0.12	0.02	1.03	1.05	104	MC	-0.29	0.02	1.07	1.09
92	MC	-0.86	0.02	1.04	1.07						

Note: MC=Multiple-choice Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

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
105	SA4	-0.67	0.02	0.95	1.00	112	SA4	0.51	0.01	1.01	1.23
106	SA4	0.18	0.02	0.93	0.96	113	SA4	0.54	0.01	1.16	1.42
107	SA4	0.69	0.01	1.19	1.33	114	SA4	0.84	0.01	1.24	1.48
108	SA4	0.89	0.01	1.11	1.30	115	SA4	-0.19	0.02	1.01	1.09
109	SA4	-0.50	0.02	0.97	1.05	116	SA4	0.73	0.01	1.12	1.58
110	SA4	0.34	0.02	0.95	0.99	117	SA4	-1.27	0.02	0.87	0.90
111	SA4	-0.24	0.02	1.05	1.15	118	SA4	-0.85	0.02	0.88	0.90

Note: SA4=4 Point Short Answer Item, 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 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
1	MC	-1.88	0.05	0.95	0.87	26	MC	1.05	0.04	1.07	1.17
2	MC	0.11	0.04	1.08	1.12	27	MC	-0.39	0.03	1.01	1.02
3	MC	1.31	0.05	1.04	1.19	28	MC	-1.48	0.04	0.87	0.78
4	MC	0.03	0.04	0.96	0.96	29	MC	0.18	0.03	0.97	0.96
5	MC	0.82	0.04	1.04	1.13	30	MC	1.44	0.03	1.18	1.44
6	MC	-1.40	0.04	0.90	0.85	31	MC	0.55	0.03	1.08	1.14
7	MC	0.42	0.04	1.00	1.01	32	MC	0.81	0.03	1.08	1.16
8	MC	-0.30	0.04	0.91	0.89	33	MC	-1.81	0.05	0.86	0.71
9	MC	0.60	0.04	1.04	1.09	34	MC	0.08	0.04	0.92	0.91
10	MC	-0.39	0.04	0.93	0.92	35	MC	0.04	0.04	0.98	0.97
11	MC	0.26	0.04	0.95	0.95	36	MC	-0.35	0.04	1.03	1.03
12	MC	0.89	0.04	1.09	1.18	37	MC	0.22	0.04	0.98	0.98
13	MC	1.27	0.05	1.16	1.39	38	MC	-0.89	0.04	0.86	0.81
14	MC	0.18	0.04	0.98	0.98	39	MC	0.59	0.04	1.02	1.06
15	MC	-0.29	0.04	0.93	0.92	40	MC	0.03	0.04	1.01	1.01
16	MC	0.52	0.04	1.06	1.10	41	MC	1.08	0.04	1.01	1.09
17	MC	0.72	0.04	1.12	1.19	42	MC	0.32	0.04	1.01	1.03
18	MC	0.37	0.04	1.04	1.06	43	MC	0.73	0.04	1.06	1.11
19	MC	0.76	0.04	1.10	1.22	44	MC	0.42	0.04	0.97	0.99
20	MC	-1.89	0.05	0.92	0.80	45	MC	0.56	0.04	1.06	1.10
21	MC	-1.57	0.05	0.86	0.76	46	MC	0.73	0.04	0.99	1.03
22	MC	-2.12	0.04	0.85	0.65	47	SA1	-1.35	0.04	0.92	0.87
23	MC	-0.15	0.04	0.99	0.98	48	SA1	-0.99	0.04	0.94	0.91
24	MC	0.53	0.04	0.99	1.03	49	SA1	-1.09	0.04	0.92	0.89
25	MC	1.32	0.05	0.99	1.05	50	SA1	0.00	0.04	1.06	1.09

Note: MC=Multiple-choice Item, , SA1=1 Point Short Answer Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

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
51	MC	0.08	0.04	1.00	1.01	69	MC	0.00	0.04	1.10	1.11
52	MC	0.10	0.04	0.98	0.98	70	MC	-0.26	0.04	0.94	0.93
53	MC	0.10	0.04	0.98	0.98	71	MC	0.19	0.04	0.98	0.98
54	MC	0.68	0.04	1.04	1.05	72	MC	0.71	0.04	1.01	1.03
55	MC	0.38	0.04	1.00	1.03	73	MC	1.39	0.05	1.06	1.21
56	MC	0.21	0.04	0.95	0.96	74	MC	-0.64	0.04	1.01	1.03
57	MC	0.50	0.04	1.08	1.15	75	MC	0.60	0.03	1.11	1.18
58	MC	-1.14	0.04	1.00	0.96	76	MC	0.43	0.04	0.98	0.99
59	MC	0.27	0.04	0.97	0.97	77	MC	1.22	0.03	1.10	1.33
60	MC	0.45	0.04	1.07	1.11	78	MC	-1.07	0.04	0.91	0.86
61	MC	-0.25	0.04	0.99	0.99	79	MC	-0.61	0.04	0.92	0.91
62	MC	-0.85	0.04	0.88	0.84	80	MC	0.79	0.04	1.05	1.09
63	MC	-0.16	0.03	0.95	0.95	81	MC	-0.59	0.03	0.94	0.94
64	MC	0.54	0.04	1.06	1.11	82	MC	0.94	0.04	1.09	1.19
65	MC	-0.07	0.04	0.99	1.01	83	ER	0.80	0.02	0.84	0.88
66	MC	0.18	0.04	0.93	0.92	84	ER	0.83	0.02	0.77	0.78
67	MC	0.77	0.04	1.04	1.11	85	ER	1.05	0.02	0.77	0.79
68	MC	-0.55	0.04	0.98	1.00	86	ER	1.21	0.02	0.78	0.79

Note: MC=Multiple-choice Item, ER=Extended Response Item, 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 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
87	MC	-0.92	0.03	0.96	0.94	100	MC	-0.07	0.04	1.07	1.08
88	MC	1.03	0.04	1.04	1.12	101	MC	0.26	0.04	1.10	1.14
89	MC	-1.30	0.04	0.98	0.97	102	MC	-1.53	0.05	0.98	0.96
90	MC	-1.12	0.04	0.94	0.97	103	MC	0.23	0.04	1.05	1.07
91	MC	-0.49	0.04	0.97	0.96	104	MC	-0.30	0.04	1.03	1.04
92	MC	-1.37	0.03	0.96	1.00	105	MC	-0.11	0.04	0.98	0.98
93	MC	-2.17	0.05	0.96	0.93	106	MC	-1.03	0.04	0.99	1.00
94	MC	0.83	0.04	1.09	1.19	107	MC	-0.37	0.03	1.02	1.02
95	MC	-0.06	0.04	1.06	1.07	108	MC	-1.13	0.04	0.93	0.92
96	MC	-0.04	0.04	1.03	1.03	109	MC	0.78	0.04	1.09	1.17
97	MC	-0.43	0.04	1.00	1.00	110	MC	-0.91	0.04	0.97	0.97
98	MC	-0.61	0.04	0.97	0.95	111	MC	0.04	0.04	1.04	1.06
99	MC	-0.98	0.04	0.96	0.93						

Note: MC=Multiple-choice Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

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
112	SA4	0.53	0.02	1.00	1.11	119	SA4	0.67	0.02	1.19	1.30
113	SA4	-0.07	0.03	0.87	0.89	120	SA4	0.18	0.02	0.92	0.99
114	SA4	0.91	0.02	1.00	1.09	121	SA4	1.06	0.02	1.03	1.08
115	SA4	-0.03	0.03	0.90	0.95	122	SA4	0.82	0.01	1.04	1.34
116	SA4	0.70	0.02	0.94	0.99	123	SA4	0.41	0.02	0.92	0.94
117	SA4	1.07	0.02	0.98	1.19	124	SA4	-0.64	0.03	0.82	0.77
118	SA4	0.57	0.02	1.04	1.17	125	SA4	-0.25	0.03	0.78	0.73

Note: SA4=4 Point Short Answer Item, 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 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
1	MC	-1.82	0.06	0.87	0.70	26	MC	0.33	0.04	0.99	1.01
2	MC	0.73	0.04	1.04	1.07	27	MC	0.15	0.04	1.13	1.15
3	MC	-0.05	0.03	1.01	1.01	28	MC	0.52	0.04	1.14	1.20
4	MC	0.27	0.03	1.02	1.02	29	MC	-0.15	0.04	0.99	0.96
5	MC	-1.12	0.03	0.86	0.79	30	MC	0.35	0.04	0.98	0.99
6	MC	0.66	0.03	1.03	1.07	31	MC	0.69	0.04	1.05	1.09
7	MC	-1.31	0.05	0.95	0.90	32	MC	1.05	0.05	1.10	1.17
8	MC	-0.91	0.04	0.88	0.81	33	MC	0.16	0.04	0.97	0.98
9	MC	-0.75	0.05	0.93	0.86	34	MC	-1.20	0.05	0.89	0.79
10	MC	0.30	0.04	1.00	1.00	35	MC	-1.91	0.06	0.84	0.67
11	MC	-0.24	0.04	0.98	0.96	36	MC	-2.43	0.07	0.89	0.67
12	MC	0.54	0.04	0.97	0.98	37	MC	0.38	0.04	1.03	1.05
13	MC	0.40	0.04	0.98	0.99	38	MC	0.47	0.04	0.97	1.00
14	MC	-0.82	0.05	0.93	0.88	39	MC	-0.64	0.04	0.90	0.85
15	MC	-1.40	0.05	0.86	0.71	40	MC	0.03	0.04	1.02	1.02
16	MC	0.68	0.04	1.06	1.11	41	MC	-0.50	0.04	1.09	1.12
17	MC	-0.26	0.04	1.04	1.03	42	MC	-1.20	0.05	0.93	0.85
18	MC	-0.61	0.03	1.12	1.20	43	MC	0.28	0.04	1.03	1.03
19	MC	0.39	0.04	1.10	1.12	44	MC	-0.31	0.04	0.92	0.89
20	MC	-0.06	0.04	1.03	1.04	45	MC	0.73	0.04	1.01	1.05
21	MC	-0.09	0.04	0.88	0.86	46	MC	-0.05	0.04	0.96	0.94
22	MC	-0.82	0.04	0.96	0.92	47	MC	0.74	0.04	1.04	1.06
23	MC	0.53	0.04	0.97	0.98	48	MC	0.68	0.04	1.00	1.02
24	MC	-0.67	0.03	0.94	0.94	49	MC	1.09	0.04	1.16	1.25
25	MC	0.15	0.04	1.14	1.18	50	MC	0.46	0.04	0.98	0.99

Note: MC=Multiple-choice Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

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
51	MC	0.71	0.04	1.07	1.10	69	MC	-2.12	0.06	0.98	0.88
52	MC	-1.82	0.05	0.98	0.98	70	MC	1.69	0.05	1.19	1.46
53	MC	0.09	0.04	0.92	0.90	71	MC	-0.27	0.04	0.95	0.92
54	MC	-0.86	0.05	0.91	0.85	72	MC	0.38	0.04	1.10	1.12
55	MC	-2.20	0.06	0.94	0.86	73	MC	0.33	0.04	1.01	1.02
56	MC	-0.38	0.04	0.96	0.95	74	MC	-0.08	0.04	1.05	1.07
57	MC	0.54	0.04	1.04	1.08	75	MC	0.24	0.04	1.01	1.02
58	MC	-0.35	0.04	1.01	1.03	76	MC	0.54	0.04	1.09	1.12
59	MC	1.47	0.05	1.12	1.27	77	MC	1.58	0.05	1.14	1.41
60	MC	-0.74	0.05	0.88	0.81	78	MC	-0.26	0.03	0.94	0.93
61	MC	-0.02	0.04	0.92	0.91	79	MC	1.36	0.05	1.04	1.11
62	MC	0.23	0.04	0.99	1.00	80	MC	-0.04	0.04	1.13	1.17
63	MC	1.75	0.04	1.10	1.37	81	MC	1.33	0.03	1.00	1.13
64	MC	1.27	0.05	1.08	1.18	82	MC	-0.48	0.03	0.88	0.84
65	MC	-0.85	0.05	0.93	0.85	83	ER	0.90	0.02	0.80	0.82
66	MC	0.68	0.04	1.06	1.09	84	ER	0.61	0.03	0.78	0.83
67	MC	0.99	0.04	1.10	1.20	85	ER	0.41	0.02	0.80	0.81
68	MC	-0.98	0.04	0.93	0.90	86	ER	0.58	0.02	0.77	0.80

Note: MC=Multiple-choice Item, ER=Extended Response Item, 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 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
87	MC	0.66	0.03	0.98	1.00	100	MC	0.70	0.04	1.04	1.10
88	MC	-0.32	0.04	0.97	0.98	101	MC	-0.36	0.04	0.96	0.95
89	MC	-0.06	0.04	1.02	1.02	102	MC	-0.29	0.04	0.93	0.92
90	MC	-0.11	0.04	0.97	0.95	103	MC	-0.04	0.04	0.97	0.96
91	MC	-0.53	0.05	1.00	1.01	104	MC	0.72	0.04	1.14	1.22
92	MC	0.02	0.04	0.92	0.91	105	MC	0.80	0.05	1.09	1.14
93	MC	0.02	0.04	1.00	1.00	106	MC	-0.06	0.04	1.06	1.07
94	MC	-0.54	0.05	0.94	0.95	107	MC	-0.74	0.04	1.03	1.04
95	MC	-0.11	0.04	1.04	1.05	108	MC	0.35	0.04	1.04	1.05
96	MC	0.08	0.03	1.08	1.09	109	MC	-0.81	0.05	0.94	0.92
97	MC	-1.89	0.06	0.89	0.75	110	MC	0.39	0.04	1.09	1.14
98	MC	-0.98	0.03	0.94	0.89	111	MC	0.39	0.04	1.14	1.19
99	MC	-0.74	0.04	0.96	0.94						

Note: MC=Multiple-choice Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

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
112	SA4	1.77	0.01	1.25	1.61	119	SA4	1.03	0.02	1.07	1.36
113	SA4	0.36	0.02	0.90	0.91	120	SA4	1.34	0.02	1.07	1.46
114	SA4	1.35	0.03	1.00	1.30	121	SA4	-0.13	0.03	0.99	1.07
115	SA4	-0.08	0.03	0.99	1.06	122	SA4	0.32	0.02	0.91	0.97
116	SA4	0.44	0.02	1.07	1.22	123	SA4	1.04	0.02	0.99	1.10
117	SA4	0.24	0.03	0.91	0.99	124	SA4	-0.01	0.02	0.86	0.88
118	SA4	0.39	0.03	0.94	1.05	125	SA4	-0.66	0.03	0.86	0.90

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

8.4 Horizontal Equating and Vertical Scaling

Horizontal equating between Form A and Form B was accomplished via concurrent calibration described in Section 7.2.1 for Stages I through V tests.

A vertical scale was established for Total Combined score such that the scale scores were comparable across stages. In the spring 2013 administration, a vertical scaling study was conducted in which off-stage vertical scale items from an adjacent lower stage were embedded in field test slots. Graphical presentation of vertical scale design is found in Figure 8.1. There were 26 common items (which were a part of Stage I items) between Stage I (denoted as Stage I on-stage vertical scale items or VO_1) and Stage II (Stage II lower-stage vertical scale items or VL_2). Similarly, there were 28 common items between Stage II (VO_2) and Stage III (VL_3), between Stage III (VO_3) and Stage IV (VL_4), and between Stage IV (VO_4) and Stage V (VL_5). Vertical scaling items were embedded in similar positions within a respective domain between the stages to minimize any position effect. The positions for the vertical scaling items for an on-stage (On Position) and an off-stage (Off Position) are summarized in Table 8.21 through Table 8.24. A non-equivalent groups common item equating method was used to determine the vertical scale. Multiple steps were followed, including calibrating off-level vertical scale items, evaluating the

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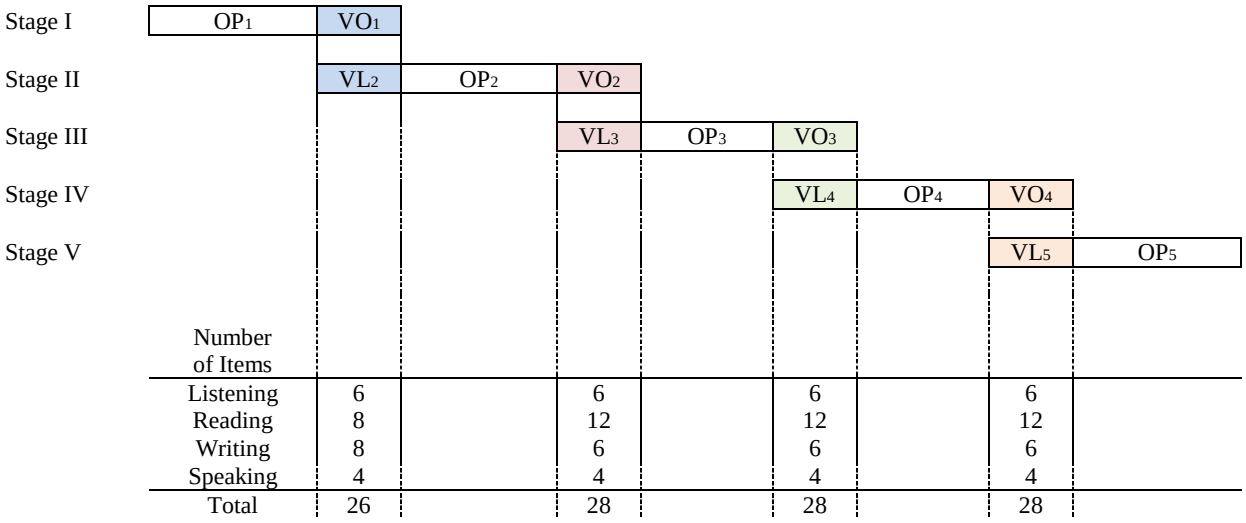
items to determine the final set of vertical scale items, determining vertical scale constants for an adjacent stage, and calculating the final vertical scale constants for each stage. Each step is described more explicitly below.

Figure 8.1: Vertical Scaling Design



Number of Items								
Listening	6		6		6		6	
Reading	8		12		12		12	
Writing	8		6		6		6	
Speaking	4		4		4		4	
Total	26		28		28		28	

After on-stage form equating was complete, another calibration was implemented with the operational items and off-stage vertical scale items together. Fixing the item parameter estimates of the operational items from the form equating (i.e., fixed anchor method), the item parameter estimates of the off-stage vertical scale items were placed on the respective stage scale.

Vertical scale items were evaluated by comparing the Rasch difficulty values from on-stage and off-stage. The difference in the Rasch difficulty values (Δ Rasch) were calculated by $b_{VO} - b_{VL}$, where $b_{VO}$is the Rasch difficulty value of an item on an on-stage scale (On Rasch) and b_{VL} is the Rasch difficulty value of the same item on an adjacent upper stage scale (Off Rasch). Similar statistics were generated based on the p-value and presented in the table. Any items with a negative value of the difference in the Rasch difficulty were dropped from the vertical item set because an expectation was that students on a higher stage should perform better on the same items than students on a lower stage. In other words, the Rasch difficulty value of an item on an upper stage should be lower (easier) than the one on a lower stage. The summaries of vertical scaling item statistics between Stages I and II, II and III, III and IV, and IV and V are presented in Table 8.21 through Table 8.24, respectively. The items dropped from the final set of vertical scaling items are highlighted in yellow.

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Table 8.21: Vertical Scaling Item Statistics between Stage I and II

Domain	On Form	On Position	Off Form	Off Position	On P-value	Off P-value	Δ P-value	On Rasch	Off Rasch	Δ Rasch
READING	B	09	B	08	0.53	0.68	0.15	0.2890	-0.5206	0.8096
READING	A	06	A	03	0.54	0.74	0.20	0.2127	-0.8521	1.0648
READING	B	02	B	04	0.56	0.92	0.37	0.1477	-2.4325	2.5802
READING	A	12	A	11	0.48	0.85	0.37	0.4490	-1.6385	2.0875
READING	A	14	A	13	0.57	0.83	0.26	0.0549	-1.4839	1.5388
READING	A	13	A	12	0.57	0.84	0.27	0.0756	-1.5061	1.5817
READING	AB	15	B	12	0.78	0.93	0.15	-1.0220	-2.5472	1.5252
READING	AB	16	B	13	0.53	0.78	0.25	0.2663	-1.1187	1.3850
WRITING	B	04	B	02	0.48	0.84	0.36	0.4761	-1.4586	1.9347
WRITING	B	07	B	07	0.34	0.73	0.39	1.1559	-0.8066	1.9625
WRITING	A	05	A	06	0.28	0.75	0.47	1.5764	-1.2017	2.7781
WRITING	A	02	A	01	0.64	0.81	0.17	-0.8754	-2.1476	1.2722
WRITING	B	02	B	01	0.62	0.82	0.20	-0.7795	-2.3059	1.5264
WRITING	A	04	A	02	0.59	0.91	0.32	0.0324	-1.9062	1.9386
WRITING	A	06	A	07	0.56	0.67	0.11	0.1170	-0.5007	0.6177
WRITING	B	05	B	06	0.29	0.77	0.48	1.6797	-1.4130	3.0927
LISTENING	A	11	A	14	0.69	0.88	0.20	-0.5090	-1.9311	1.4221
LISTENING	A	10	A	13	0.71	0.90	0.20	-0.6184	-2.1516	1.5332
LISTENING	A	14	A	15	0.49	0.79	0.29	0.4046	-1.1650	1.5696
LISTENING	B	12	B	13	0.54	0.87	0.33	0.2198	-1.8656	2.0854
LISTENING	B	09	B	11	0.55	0.86	0.31	0.1649	-1.7198	1.8847
LISTENING	B	11	B	12	0.65	0.78	0.13	-0.3159	-1.1335	0.8176
SPEAKING	A	05	A	05	0.53	0.77	0.24	0.2559	-0.8510	1.1069
SPEAKING	B	05	B	05	0.71	0.89	0.18	-0.4363	-1.4624	1.0261
SPEAKING	B	04	B	04	0.55	0.81	0.26	0.1721	-1.3526	1.5247
SPEAKING	A	04	A	04	0.09	0.46	0.36	2.9215	0.5206	2.4009

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Table 8.22: Vertical Scaling Item Statistics between Stage II and III

Domain	Low Form	Low Position	High Form	High Position	Low P-value	High P-value	Δ P-value	Low Rasch	High Rasch	Δ Rasch
READING	B	05	B	07	0.59	0.61	0.03	-0.0746	-0.4167	0.3421
READING	AB	19	A	16	0.30	0.51	0.21	1.3063	0.0228	1.2835
READING	AB	20	A	17	0.51	0.66	0.15	0.2988	-0.6689	0.9677
READING	AB	21	A	18	0.48	0.69	0.22	0.4298	-0.8568	1.2866
READING	B	11	B	09	0.49	0.63	0.13	0.3592	-0.4868	0.8460
READING	B	07	B	04	0.80	0.89	0.09	-1.2740	-2.2234	0.9494
READING	A	08	A	07	0.63	0.71	0.08	-0.2729	-0.9322	0.6593
READING	B	22	B	19	0.71	0.86	0.15	-0.6872	-1.9252	1.2380
READING	B	23	B	20	0.48	0.66	0.18	0.4296	-0.6305	1.0601
READING	B	24	B	21	0.51	0.66	0.15	0.2984	-0.6258	0.9242
READING	A	06	A	04	0.68	0.61	-0.07	-0.5245	-0.4416	-0.0829
READING	A	09	A	09	0.55	0.77	0.22	0.0935	-1.2915	1.3850
WRITING	B	10	B	09	0.47	0.65	0.19	0.4871	-0.6150	1.1021
WRITING	A	09	B	08	0.79	0.83	0.04	-1.1779	-1.6537	0.4758
WRITING	A	04	B	02	0.55	0.74	0.20	0.1056	-1.0969	1.2025
WRITING	B	09	A	08	0.55	0.63	0.08	0.0993	-0.5481	0.6474
WRITING	AB	03	A	01	0.78	0.90	0.12	-1.1118	-2.3669	1.2551
WRITING	B	11	A	09	0.72	0.75	0.03	-0.7557	-1.1721	0.4164
LISTENING	B	07	A	04	0.68	0.77	0.09	-0.5356	-1.2705	0.7349
LISTENING	A	08	B	06	0.67	0.68	0.01	-0.4971	-0.7586	0.2615
LISTENING	A	11	A	09	0.76	0.87	0.11	-0.9710	-2.0503	1.0793
LISTENING	A	12	B	09	0.69	0.81	0.12	-0.5720	-1.5195	0.9475
LISTENING	B	08	A	06	0.84	0.88	0.04	-1.5566	-2.1727	0.6161
LISTENING	B	06	B	04	0.52	0.56	0.04	0.2549	-0.1585	0.4134
SPEAKING	B	11	B	11	0.39	0.49	0.10	1.0132	0.4747	0.5385
SPEAKING	B	06	B	06	0.19	0.36	0.17	2.2347	1.1482	1.0865
SPEAKING	A	06	A	06	0.63	0.70	0.07	1.2663	0.5024	0.7639
SPEAKING	AB	10	A	10	0.47	0.62	0.15	0.6533	-0.2735	0.9268

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Table 8.23: Vertical Scaling Item Statistics between Stage III and IV

Domain	Low Form	Low Position	High Form	High Position	Low P-value	High P-value	Δ P-value	Low Rasch	High Rasch	Δ Rasch
READING	AB	08	B	05	0.46	0.63	0.17	0.2778	-0.6894	0.9672
READING	A	02	A	03	0.32	0.39	0.07	0.9037	0.3519	0.5518
READING	B	22	B	20	0.51	0.60	0.09	0.0751	-0.5476	0.6227
READING	B	23	B	21	0.56	0.64	0.07	-0.1907	-0.7344	0.5437
READING	B	24	B	22	0.19	0.27	0.08	1.7212	0.9721	0.7491
READING	B	25	B	23	0.37	0.47	0.09	0.6997	0.0400	0.6597
READING	A	06	A	05	0.74	0.80	0.06	-1.1192	-1.7074	0.5882
READING	B	03	B	03	0.65	0.72	0.07	-0.5932	-1.1432	0.5500
READING	A	22	A	20	0.36	0.47	0.11	0.7328	0.0253	0.7075
READING	A	23	A	21	0.36	0.51	0.14	0.7086	-0.1515	0.8601
READING	A	24	A	22	0.31	0.39	0.09	1.0015	0.3714	0.6301
READING	A	25	A	23	0.47	0.53	0.06	0.2256	-0.2636	0.4892
WRITING	B	04	A	03	0.40	0.43	0.03	0.5521	0.1922	0.3599
WRITING	B	12	B	09	0.39	0.49	0.10	0.6063	-0.0637	0.6700
WRITING	B	05	B	05	0.55	0.67	0.12	-0.1352	-0.9032	0.7680
WRITING	A	11	A	09	0.75	0.77	0.02	-1.1820	-1.4999	0.3179
WRITING	B	10	B	08	0.65	0.76	0.11	-0.5886	-1.3656	0.7770
WRITING	A	10	A	08	0.67	0.73	0.06	-0.7529	-1.2579	0.5050
LISTENING	A	17	A	17	0.46	0.53	0.07	0.2421	-0.2838	0.5259
LISTENING	B	16	B	15	0.55	0.64	0.09	-0.1214	-0.7626	0.6412
LISTENING	B	10	B	10	0.79	0.82	0.03	-1.3733	-1.7630	0.3897
LISTENING	AB	11	A	10	0.54	0.63	0.09	-0.1161	-0.7391	0.6230
LISTENING	A	10	A	09	0.59	0.61	0.02	-0.3362	-0.6163	0.2801
LISTENING	B	12	B	11	0.59	0.58	0.00	-0.2857	-0.4772	0.1915
SPEAKING	A	07	A	07	0.61	0.60	-0.01	0.1844	0.3228	-0.1384
SPEAKING	B	05	B	05	0.65	0.66	0.01	-0.2410	-0.4040	0.1630
SPEAKING	B	10	B	10	0.59	0.58	-0.02	0.5397	0.4908	0.0489
SPEAKING	A	11	A	11	0.55	0.56	0.01	0.8425	0.8129	0.0296

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Table 8.24: Vertical Scaling Item Statistics between Stage IV and V

Domain	Low Form	Low Position	High Form	High Position	Low P-value	High P-value	Δ P-value	Low Rasch	High Rasch	Δ Rasch
READING	A	17	A	19	0.45	0.60	0.16	0.1112	-0.4303	0.5415
READING	A	16	A	18	0.22	0.30	0.08	1.3136	1.0082	0.3054
READING	A	18	A	20	0.46	0.59	0.12	0.0303	-0.3403	0.3706
READING	A	19	A	21	0.30	0.38	0.08	0.8172	0.6209	0.1963
READING	A	06	A	06	0.76	0.71	-0.04	-1.4041	-0.9782	-0.4259
READING	B	16	B	18	0.42	0.59	0.18	0.2622	-0.3048	0.5670
READING	B	17	B	19	0.29	0.37	0.08	0.8931	0.7768	0.1163
READING	B	18	B	20	0.22	0.29	0.07	1.2748	1.2002	0.0746
READING	B	19	B	21	0.43	0.51	0.08	0.1834	0.0709	0.1125
READING	A	01	A	02	0.83	0.86	0.03	-1.8928	-2.0009	0.1081
READING	AB	02	B	02	0.56	0.63	0.07	-0.3877	-0.4721	0.0844
READING	B	04	B	05	0.77	0.82	0.05	-1.4753	-1.6359	0.1606
WRITING	B	06	B	07	0.46	0.53	0.07	0.0789	0.0048	0.0741
WRITING	B	12	A	12	0.39	0.48	0.08	0.3753	0.1567	0.2186
WRITING	B	03	A	04	0.53	0.63	0.10	-0.2485	-0.5671	0.3186
WRITING	A	11	B	08	0.35	0.45	0.09	0.5442	0.3832	0.1610
WRITING	A	21	A	19	0.31	0.41	0.09	0.7654	0.4811	0.2843
WRITING	A	01	B	02	0.61	0.68	0.07	-0.6383	-0.7630	0.1247
LISTENING	AB	02	B	01	0.67	0.68	0.01	-0.9216	-0.7374	-0.1842
LISTENING	A	16	A	16	0.26	0.39	0.13	1.0289	0.5531	0.4758
LISTENING	B	07	B	08	0.49	0.56	0.07	-0.0640	-0.1261	0.0621
LISTENING	B	03	A	05	0.78	0.82	0.04	-1.5347	-1.6310	0.0963
LISTENING	A	07	A	08	0.71	0.75	0.04	-1.1334	-1.1855	0.0521
LISTENING	B	16	B	16	0.47	0.51	0.05	0.0380	0.0841	-0.0461
SPEAKING	B	09	B	09	0.54	0.46	-0.08	0.5304	1.1499	-0.6195
SPEAKING	B	03	B	03	0.68	0.65	-0.03	-0.0694	0.3285	-0.3979
SPEAKING	A	09	A	09	0.59	0.53	-0.05	0.6955	1.4497	-0.7542
SPEAKING	A	04	A	04	0.49	0.45	-0.04	0.6728	1.2252	-0.5524

The final set of vertical scale items, summarized in Table 8.25, was used to determine vertical scale constants for adjacent stages.

Table 8.25: Final Set of Vertical Scale Items

Stages	Listening	Reading	Writing	Speaking	Total
I and II	6	8	8	4	26
II and III	6	11	6	4	27
III and IV	6	12	6	3	27
IV and V	4	11	6	0	21

Equating constants for the vertical scale between adjacent stages were determined by the Mean/Mean equating method (Kolen & Brennan, 2004) based on the final set of vertical scale items. For example, a location constant for the vertical scale between Stage III and Stage IV (C_{34}), which is the difference in the average Rasch difficulty ($\bar{b}$) on the common vertical scale items (i.e., Stage III items) between Stage III (VO_3) and Stage IV (VL_4), is calculated as follows;

$$C_{34} = \bar{b}_{VO_3} - \bar{b}_{VL_4}.$$

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The summary of vertical scaling constant calculation is found in Table 8.26.

Table 8.26: Summary of Location Constant Calculation for Adjacent Stages by the Mean/Mean Method

Stages	Vertical Scaling Constant
I and II	$C_{12} = \overline{b}_{VO_1} - \overline{b}_{VL_2}$= 1.6564
II and III	$C_{23} = \overline{b}_{VO_2} - \overline{b}_{VL_3}$= 0.8670
III and IV	$C_{34} = \overline{b}_{VO_3} - \overline{b}_{VL_4}$= 0.5263
IV and V	$C_{45} = \overline{b}_{VO_4} - \overline{b}_{VL_5}$= 0.2145

Note that a multiplicative scaling constant by the Mean/Mean equating method with Rasch based models is always 1 because item discrimination parameter is fixed at 1.

After location constants for all adjacent stages were calculated, the final vertical scale constant for each stage was determined. Using Stage III as a base stage, the final vertical scale constant for other stages were defined by accumulating all the location constants for adjacent stages between Stage III and a respective stage. For example, the final vertical scaling constant for Stage V (VC_5) was a summation of the location constant between Stage III and IV (C_{34}) and the location constant between Stage IV and V (C_{45}), or

$$VC_5 = C_{34} + C_{45}.$$

The final vertical scaling constant for each stage is summarized in Table 8.27.

Table 8.27: Summary of Final Vertical Scale Constant

Stage	Vertical Scale Constant
I	$VC_1 = 0 - C_{23} - C_{12}$ = -2.5234
II	$VC_2 = 0 - C_{23}$= -0.8670
III	$VC_3 = 0$ (Base)
IV	$VC_4 = 0 + C_{34}$= 0.5263
V	$VC_5 = 0 + C_{34} + C_{45}$ = 0.7408

8.5 Scaling Methods

Once the vertical scale for Total Combined score was established, the reporting scale was created such that it ranges 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 are fixed at 230, and 250, respectively for each Stage.

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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. The AZELLA field test technical report is available at: http://www.azed.gov/standards-development-assessment/files/2014/02/azella_ft_tech_report_2013_final_0214.pdf .

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Chapter 9. TEST RESULTS

Chapter 9 of this technical report contains information about the results of the spring 2013 administration of AZELLA Stages I through V tests and the Kindergarten Placement Test during the 2012-2013 school year. 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). The AERA/APA/NCME standards addressed in Chapter 9 include: 1.5, 4.3, 4.5, 4.6, 4.7, 6.35, 7.1, 7.10, 13.15, and 13.19.

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 for the Kindergarten Placement Test during the 2012-2013 school year are presented in Table 9.1. Mean and standard deviation of Total scale score as well as the percentages of students in Total proficiency levels are presented for the state as a whole.

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Table 9.1: Kindergarten Placement Test Results during The School Year 2012-2013

		Scale Score		*% at Proficiency Level		
Group	**N**	**Mean**	**SD**	**PE/E**	**B/I**	**P**
Total	23966	230.04	42.12	23	22	55
Hispanic	20334	227.32	42.00	25	24	52
Non-Hispanic	3632	245.30	39.40	13	16	72
White	14993	228.70	40.89	24	23	53
Black or African American	343	240.80	35.42	14	17	69
Asian	1107	243.15	41.44	15	17	68
American Indian or Alaskan Native	927	238.57	34.58	15	21	64
Native Hawaiian or Other Pacific Islander	57	234.54	39.79	19	21	60
Multiple Indication	129	251.94	34.47	9	12	80
Special Education	1881	211.19	43.13	37	30	33
Low SES	17317	226.09	41.83	25	24	51
Migrant	262	204.24	46.61	47	20	33

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

Test results for the total group by grade for the AZELLA Stages I through V assessments follow in Table 9.2 through Table 9.14. For each grade, 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 9.2: Spring 2013 AZELLA Stage I Test Results at Kindergarten

Group	ELL Status	N	Total Combined Scale Score Mean	SD	*% at Overall Proficiency Levels PE/E	B	I	P
Total		21709	2321.27	60.26	7	21	43	29
	ELL	10212	2293.29	52.13	13	31	40	15
	IFEP	11497	2346.12	55.95	1	11	46	42
Hispanic		18550	2317.57	57.00	7	21	44	27
	ELL	9232	2293.39	51.57	13	32	40	15
	IFEP	9318	2341.54	51.76	1	11	49	39
Non-Hispanic		3159	2342.98	73.01	6	15	35	44
	ELL	980	2292.40	57.19	17	30	36	17
	IFEP	2179	2365.73	67.74	1	9	34	56
White		16550	2320.59	57.32	6	21	44	29
	ELL	7931	2294.75	50.54	12	31	41	15
	IFEP	8619	2344.36	52.72	1	11	47	41
Black or African American		366	2322.68	59.30	6	22	43	30
	ELL	114	2284.90	56.00	16	40	30	14
	IFEP	252	2339.77	52.54	1	13	48	37
Asian		1149	2361.45	77.75	5	11	27	57
	ELL	368	2299.40	55.09	14	25	39	21
	IFEP	781	2390.68	69.26	0	4	22	74
American Indian or Alaskan Native		1058	2312.69	54.09	7	24	47	22
	ELL	433	2285.93	46.60	14	38	36	11
	IFEP	625	2331.23	51.10	3	14	55	29
Native Hawaiian or Other Pacific Islander		63	2322.48	60.94	8	17	43	32
	ELL	27	2277.30	35.61	19	33	44	4
	IFEP	36	2356.36	53.68	0	6	42	53
Multiple Indication		149	2348.17	64.95	3	15	38	44
	ELL	33	2293.79	44.09	9	42	42	6
	IFEP	116	2363.65	61.62	1	8	36	55
Special Education		1167	2290.37	54.33	16	31	40	14
	ELL	761	2274.50	51.23	23	38	31	9
	IFEP	406	2320.12	47.03	3	17	56	24
Low SES		16651	2316.26	56.90	8	22	44	26
	ELL	8498	2292.87	51.43	14	31	40	15
	IFEP	8153	2340.64	51.87	1	12	49	38
Migrant		247	2306.14	57.35	10	28	38	24
	ELL	168	2289.14	50.78	13	36	36	15
	IFEP	79	2342.29	53.90	3	10	44	43

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

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Table 9.3: Spring 2013 AZELLA Stage II Test Results at Grade 1

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		21286	2384.69	51.21	2	16	48	34
	ELL	16564	2374.46	47.46	3	20	51	27
	FEP1	4701	2420.65	47.61	0	2	36	61
	FEP2	21	2399.90	51.79	0	14	48	38
Hispanic		18019	2382.81	49.76	2	16	49	33
	ELL	14136	2373.31	46.20	3	20	52	26
	FEP1	3865	2417.48	46.81	0	3	39	59
	FEP2	18	2405.61	51.01	0	11	50	39
Non-Hispanic		3267	2395.04	57.50	2	14	41	42
	ELL	2428	2381.20	53.72	3	19	46	32
	FEP1	836	2435.32	48.53	0	1	27	72
	FEP2	3	*	*	*	*	*	*
White		17559	2384.04	50.12	2	16	48	34
	ELL	13668	2374.25	46.47	2	20	51	27
	FEP1	3874	2418.51	47.20	0	3	38	59
	FEP2	17	2400.82	50.40	0	12	53	35
Black or African American		395	2383.67	57.59	7	14	42	37
	ELL	295	2371.32	55.17	9	17	44	29
	FEP1	100	2420.13	48.62	0	4	37	59
	FEP2	0						
Asian		981	2415.69	58.41	2	9	31	58
	ELL	649	2398.75	57.52	2	13	39	45
	FEP1	332	2448.80	44.29	0	0	17	83
	FEP2	0						
American Indian or Alaskan Native		1247	2377.11	47.06	2	19	53	26
	ELL	1043	2370.18	43.94	2	22	55	21
	FEP1	204	2412.51	46.65	0	3	44	52
	FEP2	0						
Native Hawaiian or Other Pacific Islander		95	2377.84	57.07	2	29	35	34
	ELL	77	2368.78	56.56	3	35	38	25
	FEP1	17	2416.53	43.02	0	6	24	71
	FEP2	1	*		*	*	*	*
Multiple Indication		145	2397.09	54.87	1	17	39	43
	ELL	108	2380.88	47.01	1	22	45	31
	FEP1	37	2444.41	48.87	0	3	22	76
	FEP2	0						
Special Education		1481	2355.55	47.14	6	31	48	14
	ELL	1351	2351.23	44.30	7	33	48	12
	FEP1	129	2400.51	52.56	0	5	55	40
	FEP2	1	*		*	*	*	*
Low SES		17228	2382.12	49.82	2	17	49	33
	ELL	13623	2372.90	46.41	3	20	51	26
	FEP1	3592	2417.01	46.70	0	3	39	58
	FEP2	13	2410.08	50.09	0	8	54	38
Migrant		314	2374.79	47.11	4	20	47	29
	ELL	283	2371.30	47.47	4	22	47	27
	FEP1	31	2406.61	28.42	0	0	45	55
	FEP2	0						

* 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 9.4: Spring 2013 AZELLA Stage II Test Results at Grade 2

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		20301	2442.69	57.20	4	12	31	53
	ELL	12522	2418.35	51.53	6	18	41	35
	FEP1	4368	2479.86	39.94	0	1	15	84
	FEP2	3411	2484.41	44.69	0	1	16	82
Hispanic		17749	2441.53	56.18	4	12	32	53
	ELL	11068	2418.33	50.89	6	18	41	35
	FEP1	3693	2478.41	39.16	0	1	16	83
	FEP2	2988	2481.89	44.27	0	1	18	81
Non-Hispanic		2552	2450.72	63.23	5	10	27	58
	ELL	1454	2418.53	56.18	8	17	40	35
	FEP1	675	2487.80	43.14	0	1	12	87
	FEP2	423	2502.22	43.57	0	0	8	91
White		16947	2442.44	56.24	4	11	32	53
	ELL	10449	2418.70	50.73	6	18	41	35
	FEP1	3591	2478.94	39.35	0	1	16	84
	FEP2	2907	2482.70	44.53	0	1	17	81
Black or African American		326	2435.95	65.11	7	12	28	54
	ELL	210	2411.74	64.07	10	17	36	37
	FEP1	72	2484.01	37.73	0	0	11	89
	FEP2	44	2472.86	40.26	0	5	16	80
Asian		906	2468.60	63.45	4	6	21	69
	ELL	412	2426.59	58.05	8	13	37	42
	FEP1	275	2494.68	44.63	0	1	11	88
	FEP2	219	2514.90	38.84	0	0	3	97
American Indian or Alaskan Native		1384	2439.20	53.80	4	12	33	51
	ELL	934	2419.53	48.73	5	18	42	35
	FEP1	278	2478.44	38.18	0	0	14	86
	FEP2	172	2482.60	39.75	0	1	16	83
Native Hawaiian or Other Pacific Islander		94	2415.10	65.28	15	22	24	38
	ELL	70	2392.71	55.35	20	30	26	24
	FEP1	17	2474.29	45.62	0	0	18	82
	FEP2	7	*	*	*	*	*	*
Multiple Indication		152	2443.10	55.35	3	13	31	53
	ELL	84	2421.36	54.02	6	20	39	35
	FEP1	36	2472.92	38.70	0	3	22	75
	FEP2	32	2466.63	50.36	0	6	19	75
Special Education		1458	2396.21	55.45	15	29	34	22
	ELL	1270	2386.83	50.55	17	33	34	16
	FEP1	106	2463.60	38.42	1	1	25	73
	FEP2	82	2454.40	51.04	1	6	38	55
Low SES		16570	2440.98	56.30	4	12	32	52
	ELL	10374	2417.70	50.90	6	18	41	34
	FEP1	3469	2478.50	39.15	0	1	16	83
	FEP2	2727	2481.77	44.03	0	1	18	81
Migrant		342	2430.13	59.79	6	17	33	45
	ELL	265	2413.55	52.74	7	21	38	34
	FEP1	43	2484.28	41.48	0	0	12	88
	FEP2	34	2490.85	51.78	0	3	18	79

* 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 9.5: Spring 2013 AZELLA Stage III Test Results at Grade 3

Group	ELL Status	N	Total Combined Scale Score Mean	SD	*% at Overall Proficiency Levels PE/E	B	I	P
Total		16771	2448.56	53.17	7	20	39	34
	ELL	6516	2410.25	44.34	17	39	35	9
	FEP1	6369	2460.23	38.77	1	11	51	38
	FEP2	3886	2493.69	41.48	0	3	27	70
Hispanic		14811	2447.92	52.05	7	20	40	34
	ELL	5669	2409.52	42.61	16	40	35	8
	FEP1	5695	2459.09	37.81	1	11	52	37
	FEP2	3447	2492.59	40.83	0	3	28	70
Non-Hispanic		1960	2453.44	60.80	9	17	34	40
	ELL	847	2415.10	54.34	19	32	33	15
	FEP1	674	2469.78	45.04	0	9	44	47
	FEP2	439	2502.33	45.42	0	2	22	75
White		13747	2448.21	52.15	6	20	40	34
	ELL	5197	2409.46	42.85	17	40	35	8
	FEP1	5314	2459.25	38.08	1	11	52	37
	FEP2	3236	2492.31	40.86	0	3	28	70
Black or African American		270	2432.69	64.15	16	22	31	31
	ELL	122	2393.63	60.38	34	34	20	11
	FEP1	94	2456.26	45.97	1	16	45	38
	FEP2	54	2479.91	45.72	2	6	30	63
Asian		656	2472.94	61.40	6	11	29	54
	ELL	225	2422.81	56.97	17	28	35	19
	FEP1	232	2486.88	43.22	0	3	31	65
	FEP2	199	2513.38	43.48	1	1	19	80
American Indian or Alaskan Native		1308	2445.64	49.42	6	22	41	31
	ELL	586	2415.26	40.80	13	40	38	10
	FEP1	472	2457.13	35.99	1	10	54	35
	FEP2	250	2495.16	39.71	0	2	23	74
Native Hawaiian or Other Pacific Islander		66	2440.18	54.99	9	23	38	30
	ELL	37	2408.00	41.25	16	38	38	8
	FEP1	18	2463.94	36.44	0	6	50	44
	FEP2	11	2509.55	33.62	0	0	18	82
Multiple Indication		144	2451.03	53.31	6	19	44	31
	ELL	59	2420.12	45.96	14	34	41	12
	FEP1	57	2457.98	41.00	0	14	53	33
	FEP2	28	2502.04	46.30	0	0	32	68
Special Education		1346	2403.89	46.49	24	38	28	10
	ELL	994	2386.79	35.16	32	47	20	1
	FEP1	269	2444.90	36.61	2	16	56	26
	FEP2	83	2475.86	42.40	0	8	34	58
Low SES		14027	2447.09	52.54	7	20	40	33
	ELL	5534	2409.54	43.64	17	39	35	9
	FEP1	5330	2459.40	38.28	1	11	51	37
	FEP2	3163	2492.04	41.22	0	3	28	69
Migrant		289	2435.13	50.08	9	28	39	24
	ELL	156	2409.85	44.39	16	43	31	10
	FEP1	91	2454.98	33.07	1	13	56	30
	FEP2	42	2486.05	42.49	0	2	36	62

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

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Table 9.6: Spring 2013 AZELLA Stage III Test Results at Grade 4

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		12757	2469.60	53.64	8	15	36	41
	ELL	6309	2440.65	49.38	15	26	39	20
	FEP1	1304	2499.93	41.26	1	4	32	63
	FEP2	5144	2497.41	40.97	1	5	32	62
Hispanic		11167	2469.61	52.29	8	15	36	41
	ELL	5398	2440.42	47.41	15	27	40	19
	FEP1	1099	2497.93	40.21	1	4	33	62
	FEP2	4670	2496.68	40.67	1	5	33	62
Non-Hispanic		1590	2469.50	62.30	11	14	32	43
	ELL	911	2441.97	59.74	18	21	36	24
	FEP1	205	2510.68	45.09	0	3	28	69
	FEP2	474	2504.59	43.19	0	6	26	68
White		10228	2469.68	52.50	8	15	36	41
	ELL	4901	2440.07	47.84	15	26	39	19
	FEP1	1001	2498.60	40.67	0	4	32	63
	FEP2	4326	2496.54	40.41	1	5	33	62
Black or African American		216	2454.14	62.76	16	16	33	35
	ELL	126	2423.79	59.89	28	23	35	14
	FEP1	21	2502.19	41.50	0	5	38	57
	FEP2	69	2494.94	35.28	0	7	28	65
Asian		469	2483.83	64.47	8	11	28	53
	ELL	242	2450.48	64.19	16	20	35	30
	FEP1	73	2519.70	40.99	0	0	19	81
	FEP2	154	2519.21	42.43	0	2	21	77
American Indian or Alaskan Native		1132	2464.27	50.85	8	19	39	35
	ELL	638	2440.12	43.80	13	28	42	17
	FEP1	106	2494.71	40.17	0	7	38	56
	FEP2	388	2495.68	41.92	1	7	34	59
Native Hawaiian or Other Pacific Islander		61	2473.82	62.41	10	15	28	48
	ELL	41	2452.98	58.63	15	20	34	32
	FEP1	14	2525.07	33.21	0	0	7	93
	FEP2	6	*	*	*	*	*	*
Multiple Indication		101	2474.26	56.93	6	17	40	38
	ELL	48	2448.29	48.64	8	27	48	17
	FEP1	13	2514.62	51.81	0	0	38	62
	FEP2	40	2492.30	54.09	5	10	30	55
Special Education		1203	2427.81	49.14	24	32	30	14
	ELL	941	2415.20	43.01	30	37	26	7
	FEP1	56	2484.63	41.64	0	13	39	48
	FEP2	206	2469.99	42.51	4	14	42	40
Low SES		10623	2468.85	53.06	8	15	36	41
	ELL	5217	2439.65	48.31	16	26	39	19
	FEP1	1044	2497.72	40.76	1	4	34	61
	FEP2	4362	2496.86	40.79	1	5	33	62
Migrant		262	2462.08	58.63	16	10	34	40
	ELL	170	2438.01	53.58	24	15	41	20
	FEP1	20	2498.40	42.18	0	5	20	75
	FEP2	72	2508.82	36.79	0	1	21	78

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Table 9.7: Spring 2013 AZELLA Stage III Test Results at Grade 5

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		9305	2481.04	54.25	7	14	31	48
	ELL	4937	2453.81	49.91	14	23	37	26
	FEP1	2865	2507.36	39.41	0	4	28	68
	FEP2	1503	2520.26	42.20	0	2	19	78
Hispanic		8084	2481.09	53.21	7	14	31	48
	ELL	4198	2453.76	49.05	14	24	37	26
	FEP1	2537	2506.23	38.79	0	4	28	68
	FEP2	1349	2518.87	41.36	1	3	19	78
Non-Hispanic		1221	2480.67	60.70	9	14	29	48
	ELL	739	2454.11	54.59	15	22	34	29
	FEP1	328	2516.16	42.99	0	3	23	74
	FEP2	154	2532.49	47.35	0	2	17	81
White		7317	2480.31	53.09	7	14	32	47
	ELL	3820	2452.97	48.67	14	24	38	25
	FEP1	2332	2506.51	39.07	0	4	29	67
	FEP2	1165	2517.53	40.90	1	3	20	77
Black or African American		208	2470.88	64.52	13	14	31	42
	ELL	133	2445.06	62.48	20	20	38	23
	FEP1	58	2511.59	37.14	0	5	22	72
	FEP2	17	2534.06	30.95	0	0	6	94
Asian		322	2493.14	67.27	10	11	20	59
	ELL	173	2456.31	60.35	18	18	27	36
	FEP1	107	2529.10	42.10	0	2	14	84
	FEP2	42	2553.19	52.67	0	0	10	90
American Indian or Alaskan Native		832	2477.14	48.95	7	16	31	46
	ELL	472	2455.18	44.19	12	26	36	27
	FEP1	224	2499.75	38.58	0	5	29	65
	FEP2	136	2516.15	37.54	0	2	18	79
Native Hawaiian or Other Pacific Islander		39	2471.87	55.08	8	18	36	38
	ELL	31	2459.39	50.88	10	23	42	26
	FEP1	7	*	*	*	*	*	*
	FEP2	1	*		*	*	*	*
Multiple Indication		67	2485.06	49.33	4	13	30	52
	ELL	36	2462.50	50.72	8	25	36	31
	FEP1	26	2512.85	33.72	0	0	23	77
	FEP2	5	*	*	*	*	*	*
Special Education		1149	2442.54	47.81	19	30	32	19
	ELL	912	2430.94	42.85	24	36	30	11
	FEP1	171	2487.80	36.75	1	9	40	50
	FEP2	66	2485.64	44.09	5	12	36	47
Low SES		7832	2481.00	53.93	7	14	31	48
	ELL	4112	2453.33	49.75	14	24	36	26
	FEP1	2399	2507.23	38.91	0	4	28	68
	FEP2	1321	2519.49	40.95	1	2	19	79
Migrant		217	2469.42	59.85	13	19	27	41
	ELL	144	2447.38	54.53	19	24	31	25
	FEP1	48	2505.79	48.17	0	13	21	67
	FEP2	25	2526.52	32.01	0	0	12	88

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Table 9.8: Spring 2013 AZELLA Stage IV Test Results at Grade 6

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		9134	2488.68	47.72	4	11	39	46
	ELL	3255	2455.16	43.76	11	27	44	18
	FEP1	2428	2498.32	39.39	0	5	43	52
	FEP2	3451	2513.51	37.25	0	2	30	68
Hispanic		7896	2489.86	46.58	4	11	39	47
	ELL	2643	2456.14	42.85	10	26	45	18
	FEP1	2111	2497.81	38.90	0	5	43	51
	FEP2	3142	2512.88	36.91	0	2	31	68
Non-Hispanic		1238	2481.17	53.84	8	15	37	41
	ELL	612	2450.93	47.27	15	28	39	18
	FEP1	317	2501.77	42.45	1	3	40	56
	FEP2	309	2519.92	39.99	0	1	28	71
White		7271	2489.33	46.38	4	11	39	46
	ELL	2446	2455.44	42.31	10	27	45	18
	FEP1	1925	2497.35	38.52	0	5	44	51
	FEP2	2900	2512.58	36.71	0	2	31	67
Black or African American		208	2477.07	52.91	8	14	41	37
	ELL	96	2441.42	47.11	18	31	39	13
	FEP1	67	2504.30	37.86	0	0	46	54
	FEP2	45	2512.60	32.15	0	0	38	62
Asian		334	2491.64	60.63	9	11	30	50
	ELL	169	2456.60	54.35	17	20	40	23
	FEP1	76	2516.71	47.50	0	4	26	70
	FEP2	89	2536.78	37.22	0	0	15	85
American Indian or Alaskan Native		803	2481.41	43.62	5	13	41	41
	ELL	335	2453.19	38.30	10	28	46	16
	FEP1	208	2493.58	36.84	1	4	44	51
	FEP2	260	2508.03	32.45	0	2	33	65
Native Hawaiian or Other Pacific Islander		38	2467.50	45.63	8	29	37	26
	ELL	21	2439.62	33.67	14	52	33	0
	FEP1	10	*	*	*	*	*	*
	FEP2	7	*	*	*	*	*	*
Multiple Indication		51	2494.96	51.38	2	14	35	49
	ELL	19	2472.21	47.40	5	26	42	26
	FEP1	13	2493.92	45.73	0	15	31	54
	FEP2	19	2518.42	50.65	0	0	32	68
Special Education		986	2455.05	40.85	9	30	43	17
	ELL	629	2438.31	34.08	14	41	38	6
	FEP1	186	2475.08	31.33	1	15	52	32
	FEP2	171	2494.88	35.22	0	5	50	45
Low SES		7617	2488.41	47.34	4	12	38	46
	ELL	2654	2453.81	42.89	11	28	44	17
	FEP1	2035	2497.92	38.51	0	5	43	52
	FEP2	2928	2513.15	37.04	0	2	30	68
Migrant		200	2481.54	48.34	5	16	42	39
	ELL	97	2453.20	39.26	9	30	48	12
	FEP1	44	2493.89	37.50	0	2	57	41
	FEP2	59	2518.93	39.28	0	2	19	80

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Table 9.9: Spring 2013 AZELLA Stage IV Test Results at Grade 7

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		6098	2491.92	51.59	5	11	34	50
	ELL	1693	2447.66	48.07	17	30	36	17
	FEP1	2039	2500.12	41.72	0	6	42	52
	FEP2	2366	2516.52	40.50	0	2	27	70
Hispanic		5164	2493.26	49.56	4	10	35	51
	ELL	1290	2449.02	47.64	16	29	37	18
	FEP1	1717	2499.55	41.04	0	6	43	52
	FEP2	2157	2514.70	39.02	0	3	28	70
Non-Hispanic		934	2484.53	61.08	8	17	32	43
	ELL	403	2443.30	49.25	19	34	34	14
	FEP1	322	2503.18	45.13	0	7	37	57
	FEP2	209	2535.31	49.83	0	1	22	77
White		4747	2492.07	49.13	4	11	35	50
	ELL	1196	2447.63	46.41	17	30	36	17
	FEP1	1577	2498.68	40.75	0	6	43	51
	FEP2	1974	2513.71	38.39	0	3	28	69
Black or African American		146	2472.36	68.61	16	16	32	37
	ELL	74	2425.86	52.69	31	31	30	8
	FEP1	41	2508.78	40.51	0	0	34	66
	FEP2	31	2535.16	50.85	0	0	32	68
Asian		246	2494.07	68.16	9	16	24	50
	ELL	124	2447.31	50.24	19	31	35	15
	FEP1	63	2528.16	44.70	0	0	17	83
	FEP2	59	2555.95	47.97	0	0	10	90
American Indian or Alaskan Native		554	2486.75	49.05	4	15	38	44
	ELL	150	2445.14	45.20	13	39	35	13
	FEP1	219	2492.14	38.80	0	9	47	45
	FEP2	185	2514.10	39.91	0	2	30	68
Native Hawaiian or Other Pacific Islander		55	2492.55	52.22	0	16	45	38
	ELL	23	2460.26	31.06	0	35	57	9
	FEP1	24	2505.75	52.04	0	4	46	50
	FEP2	*	*	*	*	*	*	*
Multiple Indication		29	2489.76	72.49	10	21	21	48
	ELL	14	2441.29	44.47	21	36	21	21
	FEP1	*	*	*	*	*	*	*
	FEP2	*	*	*	*	*	*	*
Special Education		842	2465.53	40.78	5	25	44	26
	ELL	340	2437.08	29.78	12	46	38	4
	FEP1	297	2475.55	30.89	1	13	56	30
	FEP2	205	2498.20	37.82	0	6	36	58
Low SES		5113	2491.64	51.08	5	11	35	49
	ELL	1386	2446.29	47.33	17	30	37	16
	FEP1	1683	2499.37	40.80	0	6	42	52
	FEP2	2044	2516.03	39.98	0	2	27	70
Migrant		172	2481.20	53.82	8	13	36	42
	ELL	73	2441.22	43.03	19	29	40	12
	FEP1	39	2497.13	36.97	0	5	46	49
	FEP2	60	2519.50	40.24	0	0	25	75

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Table 9.10: Spring 2013 AZELLA Stage IV Test Results at Grade 8

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		4349	2501.49	55.63	4	9	31	56
	ELL	1264	2458.13	54.11	15	26	36	24
	FEP1	958	2519.23	49.35	0	3	32	64
	FEP2	2127	2519.26	43.78	0	2	27	71
Hispanic		3539	2502.70	54.11	4	8	31	57
	ELL	930	2459.59	54.76	14	25	36	25
	FEP1	772	2518.84	49.45	0	4	32	64
	FEP2	1837	2517.75	42.67	0	2	28	70
Non-Hispanic		810	2496.16	61.56	6	13	30	51
	ELL	334	2454.06	52.12	15	29	34	22
	FEP1	186	2520.88	49.06	0	2	34	64
	FEP2	290	2528.80	49.26	0	2	21	77
White		3228	2501.61	53.60	4	9	31	56
	ELL	848	2459.47	55.40	14	25	36	25
	FEP1	694	2516.61	49.21	0	4	34	63
	FEP2	1686	2516.63	41.86	0	2	28	69
Black or African American		150	2490.93	61.33	8	14	33	45
	ELL	60	2440.25	46.99	20	33	33	13
	FEP1	37	2520.51	48.28	0	0	46	54
	FEP2	53	2527.64	41.23	0	2	23	75
Asian		216	2505.31	70.07	8	11	23	58
	ELL	105	2456.60	51.81	16	22	33	29
	FEP1	42	2546.60	55.29	0	0	19	81
	FEP2	69	2554.29	49.22	0	0	10	90
American Indian or Alaskan Native		405	2494.55	50.34	4	11	33	52
	ELL	120	2453.88	46.76	13	31	38	19
	FEP1	100	2510.50	40.65	0	3	35	62
	FEP2	185	2512.31	41.54	0	3	29	68
Native Hawaiian or Other Pacific Islander		52	2498.75	53.89	2	17	31	50
	ELL	29	2472.38	45.13	3	28	38	31
	FEP1	16	2529.19	46.04	0	6	19	75
	FEP2	7	*	*	*	*	*	*
Multiple Indication		37	2501.81	46.29	0	14	32	54
	ELL	11	2471.09	32.39	0	36	36	27
	FEP1	9	*	*	*	*	*	*
	FEP2	17	2528.29	41.79	0	0	24	76
Special Education		642	2473.42	42.03	4	20	44	32
	ELL	226	2441.64	36.32	12	42	38	8
	FEP1	129	2484.62	35.50	0	13	50	37
	FEP2	287	2493.42	33.20	0	5	46	49
Low SES		3700	2501.00	54.79	4	10	31	56
	ELL	1040	2457.01	53.96	15	27	35	23
	FEP1	798	2517.25	47.39	0	3	33	64
	FEP2	1862	2518.61	43.30	0	2	27	70
Migrant		131	2496.98	55.61	8	6	30	56
	ELL	47	2460.17	59.46	21	15	32	32
	FEP1	22	2526.64	48.10	0	0	27	73
	FEP2	62	2514.37	38.20	0	2	29	69

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Table 9.11: Spring 2013 AZELLA Stage V Test Results at Grade 9

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		2637	2491.03	57.44	13	21	39	27
	ELL	1513	2466.72	53.46	22	31	33	14
	FEP1	495	2522.91	44.16	0	8	48	43
	FEP2	629	2524.42	45.71	0	7	49	44
Hispanic		1949	2493.82	55.84	11	21	41	28
	ELL	1032	2468.60	52.63	20	32	34	14
	FEP1	398	2521.33	43.75	0	9	48	43
	FEP2	519	2522.87	45.28	0	8	48	43
Non-Hispanic		688	2483.13	61.09	18	23	36	23
	ELL	481	2462.68	55.04	26	30	30	14
	FEP1	97	2529.39	45.47	0	7	49	43
	FEP2	110	2531.72	47.17	0	4	50	46
White		1905	2491.99	55.58	11	21	41	27
	ELL	1013	2465.59	51.13	21	32	34	13
	FEP1	391	2520.47	43.66	0	9	49	42
	FEP2	501	2523.15	44.34	0	8	49	44
Black or African American		148	2466.53	54.96	25	23	36	16
	ELL	107	2447.57	49.89	35	31	27	7
	FEP1	18	2507.56	30.11	0	6	72	22
	FEP2	23	2522.61	32.83	0	0	52	48
Asian		188	2481.71	66.34	21	26	30	23
	ELL	137	2455.86	52.56	29	36	23	12
	FEP1	26	2560.65	45.30	0	0	35	65
	FEP2	25	2541.28	47.32	0	0	60	40
American Indian or Alaskan Native		118	2498.81	53.56	6	24	42	28
	ELL	72	2487.21	57.09	10	29	38	24
	FEP1	18	2520.50	37.35	0	11	56	33
	FEP2	28	2514.68	45.24	0	18	46	36
Native Hawaiian or Other Pacific Islander		61	2498.03	44.68	3	23	43	31
	ELL	49	2496.88	47.40	4	27	37	33
	FEP1	4	*	*	*	*	*	*
	FEP2	8	*	*	*	*	*	*
Multiple Indication		16	2510.38	42.02	0	25	44	31
	ELL	7	*	*	*	*	*	*
	FEP1	4	*	*	*	*	*	*
	FEP2	5	*	*	*	*	*	*
Special Education		374	2474.86	34.21	6	36	51	7
	ELL	219	2461.63	30.11	10	48	39	2
	FEP1	70	2494.81	33.01	0	20	63	17
	FEP2	85	2492.49	29.08	0	16	73	11
Low SES		1602	2490.25	56.97	13	20	40	27
	ELL	917	2464.60	52.65	23	31	32	14
	FEP1	308	2522.49	41.69	0	7	50	42
	FEP2	377	2526.28	43.52	0	6	48	46
Migrant		130	2480.65	57.12	20	21	34	25
	ELL	83	2459.22	55.87	31	30	24	14
	FEP1	17	2517.82	45.16	0	6	59	35
	FEP2	30	2518.90	30.37	0	3	47	50

* 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 2013 AZELLA Stage V Test Results at Grade 10

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		2455	2506.95	60.86	9	18	37	37
	ELL	1441	2479.65	51.55	15	27	39	20
	FEP1	493	2555.43	52.81	0	3	26	71
	FEP2	521	2536.56	48.05	0	6	41	53
Hispanic		1819	2508.45	61.33	8	18	36	37
	ELL	990	2477.51	50.17	14	30	38	18
	FEP1	390	2556.78	54.35	0	4	25	71
	FEP2	439	2535.30	48.39	0	6	42	52
Non-Hispanic		636	2502.64	59.31	11	16	37	36
	ELL	451	2484.36	54.22	15	21	41	23
	FEP1	103	2550.31	46.43	0	3	26	71
	FEP2	82	2543.32	45.88	0	5	33	62
White		1730	2508.70	61.51	8	19	36	38
	ELL	941	2477.04	49.69	14	30	38	17
	FEP1	379	2558.88	53.50	0	3	25	72
	FEP2	410	2534.98	48.37	0	7	42	52
Black or African American		117	2485.52	50.00	17	14	46	23
	ELL	89	2471.55	45.57	22	15	51	12
	FEP1	10	*	*	*	*	*	*
	FEP2	18	2532.00	42.86	0	17	22	61
Asian		232	2497.15	66.14	16	18	30	36
	ELL	168	2472.31	54.63	23	24	35	19
	FEP1	37	2571.05	46.14	0	0	16	84
	FEP2	27	2550.41	45.17	0	4	19	78
American Indian or Alaskan Native		149	2516.38	54.48	3	12	43	42
	ELL	91	2507.01	56.48	4	16	45	34
	FEP1	38	2536.42	52.10	3	8	21	68
	FEP2	20	2520.95	38.42	0	0	75	25
Native Hawaiian or Other Pacific Islander		46	2502.17	40.33	2	20	41	37
	ELL	44	2500.55	38.71	2	20	41	36
	FEP1	1	*		*	*	*	*
	FEP2	1	*		*	*	*	*
Multiple Indication		18	2508.83	51.10	6	17	56	22
	ELL	13	2496.69	46.53	8	23	62	8
	FEP1	2	*	*	*	*	*	*
	FEP2	3	*	*	*	*	*	*
Special Education		280	2482.37	39.54	5	34	45	16
	ELL	171	2469.11	35.04	8	43	43	5
	FEP1	47	2509.28	42.27	0	17	36	47
	FEP2	62	2498.55	32.64	0	21	58	21
Low SES		1887	2506.03	59.49	8	18	37	37
	ELL	1066	2477.46	49.70	15	28	39	18
	FEP1	401	2552.58	52.35	0	4	26	70
	FEP2	420	2534.12	45.72	0	6	41	52
Migrant		132	2504.49	56.32	7	21	36	36
	ELL	67	2475.00	43.15	13	33	33	21
	FEP1	19	2527.00	45.68	0	5	47	47
	FEP2	46	2538.15	54.79	0	11	37	52

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.13: Spring 2013 AZELLA Stage V Test Results at Grade 11

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		1969	2518.05	60.83	6	13	37	44
	ELL	1110	2489.62	52.38	10	23	42	25
	FEP1	473	2555.30	50.20	0	1	29	70
	FEP2	386	2554.14	50.84	0	1	32	66
Hispanic		1373	2522.32	59.85	4	12	37	46
	ELL	697	2491.58	51.68	8	24	43	26
	FEP1	354	2556.07	51.47	0	1	29	69
	FEP2	322	2551.74	49.31	0	1	34	64
Non-Hispanic		596	2508.21	61.97	9	15	37	39
	ELL	413	2486.31	53.43	13	22	42	23
	FEP1	119	2553.01	46.33	0	1	27	72
	FEP2	64	2566.22	56.81	0	2	22	77
White		1319	2520.63	59.86	4	14	38	45
	ELL	673	2488.03	48.96	8	25	45	22
	FEP1	343	2556.96	52.14	0	1	28	71
	FEP2	303	2551.91	48.74	0	2	33	65
Black or African American		102	2500.04	56.70	9	19	41	31
	ELL	75	2479.88	42.10	12	25	43	20
	FEP1	15	2556.27	62.03	0	0	47	53
	FEP2	12	2555.75	47.16	0	0	25	75
Asian		237	2506.74	68.17	14	15	27	44
	ELL	175	2483.10	57.79	19	20	33	27
	FEP1	37	2566.73	39.71	0	0	8	92
	FEP2	25	2583.40	58.11	0	0	12	88
American Indian or Alaskan Native		124	2519.38	56.58	4	10	41	44
	ELL	73	2505.18	62.16	7	16	41	36
	FEP1	40	2540.18	39.62	0	3	38	60
	FEP2	11	2538.00	43.03	0	0	55	45
Native Hawaiian or Other Pacific Islander		34	2491.97	36.46	3	18	59	21
	ELL	26	2482.54	34.20	4	23	65	8
	FEP1	7	*	*	*	*	*	*
	FEP2	1	*		*	*	*	*
Multiple Indication		14	2532.50	57.09	7	0	43	50
	ELL	7	*	*	*	*	*	*
	FEP1	3	*	*	*	*	*	*
	FEP2	4	*	*	*	*	*	*
Special Education		198	2495.71	40.49	4	20	53	23
	ELL	116	2476.20	31.51	7	33	54	6
	FEP1	51	2529.25	36.55	0	2	43	55
	FEP2	31	2513.52	31.91	0	3	61	35
Low SES		1482	2517.64	58.61	5	14	38	43
	ELL	803	2488.14	49.13	9	24	43	24
	FEP1	365	2551.09	47.08	0	1	31	68
	FEP2	314	2554.21	51.10	0	2	33	65
Migrant		83	2508.28	54.24	6	17	40	37
	ELL	45	2478.04	41.93	11	31	40	18
	FEP1	25	2544.32	49.71	0	0	40	60
	FEP2	13	2543.62	35.01	0	0	38	62

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

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Table 9.14: Spring 2013 AZELLA Stage V Test Results at Grade 12

Group	ELL Status	N	Total Combined Scale Score Mean	SD	**% at Overall Proficiency Levels PE/E	B	I	P
Total		2048	2521.37	60.29	4	13	35	47
	ELL	1184	2494.20	50.88	7	21	43	28
	FEP1	476	2561.03	54.15	0	2	24	74
	FEP2	388	2555.64	48.40	0	2	25	73
Hispanic		1432	2523.11	60.07	4	13	35	48
	ELL	797	2494.29	49.91	7	22	43	28
	FEP1	349	2565.02	54.55	0	2	23	74
	FEP2	286	2552.27	46.92	0	2	27	71
Non-Hispanic		616	2517.34	60.66	5	14	35	46
	ELL	387	2494.01	52.90	8	21	43	29
	FEP1	127	2550.06	51.70	0	4	24	72
	FEP2	102	2565.10	51.41	0	2	19	79
White		1312	2522.75	60.63	4	14	35	48
	ELL	707	2491.40	49.00	7	24	43	26
	FEP1	329	2565.35	54.72	0	2	24	74
	FEP2	276	2552.28	47.08	0	2	27	71
Black or African American		127	2494.65	52.54	9	19	42	30
	ELL	102	2480.66	45.86	12	24	46	19
	FEP1	12	2542.33	38.98	0	0	33	67
	FEP2	13	2560.46	35.48	0	0	15	85
Asian		212	2528.90	68.98	5	16	25	55
	ELL	132	2499.17	56.67	8	23	33	36
	FEP1	46	2571.76	58.02	0	4	9	87
	FEP2	34	2586.32	59.88	0	3	12	85
American Indian or Alaskan Native		144	2518.19	52.43	1	8	49	42
	ELL	87	2502.46	50.79	1	10	61	28
	FEP1	39	2541.54	45.93	0	5	28	67
	FEP2	18	2543.61	46.40	0	6	33	61
Native Hawaiian or Other Pacific Islander		51	2514.61	38.81	0	10	43	47
	ELL	33	2506.15	40.43	0	15	48	36
	FEP1	16	2528.44	32.51	0	0	38	63
	FEP2	2	*	*	*	*	*	*
Multiple Indication		11	2505.91	51.91	9	9	36	45
	ELL	8	2484.88	39.40	13	13	50	25
	FEP1	1	*		*	*	*	*
	FEP2	2	*	*	*	*	*	*
Special Education		198	2493.24	42.52	6	24	46	24
	ELL	133	2477.23	37.48	8	34	47	11
	FEP1	47	2527.04	33.55	0	4	45	51
	FEP2	18	2523.22	29.67	0	6	39	56
Low SES		1426	2521.10	59.27	4	14	37	46
	ELL	820	2493.55	47.78	6	22	46	26
	FEP1	339	2562.16	56.41	0	3	25	72
	FEP2	267	2553.56	46.88	0	2	26	72
Migrant		59	2511.19	56.12	3	17	37	42
	ELL	34	2475.76	37.33	6	29	56	9
	FEP1	3	*	*	*	*	*	*
	FEP2	22	2560.73	38.62	0	0	14	86

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**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 9.15 through Table 9.131. Each grade and domain/subdomain is presented in a separate table.

Table 9.15: Spring 2013 AZELLA Stage I Test Results on Listening at Kindergarten

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		21709	29	23	47
	ELL	10212	45	25	30
	IFEP	11497	15	22	63
Hispanic		18550	30	24	46
	ELL	9232	45	25	30
	IFEP	9318	15	23	62
Non-Hispanic		3159	24	20	56
	ELL	980	47	23	29
	IFEP	2179	14	19	68
White		16550	29	24	47
	ELL	7931	44	25	30
	IFEP	8619	15	22	63
Black or African American		366	28	23	49
	ELL	114	50	20	30
	IFEP	252	17	25	58
Asian		1149	19	18	63
	ELL	368	43	25	32
	IFEP	781	8	14	78
American Indian or Alaskan Native		1058	34	25	41
	ELL	433	55	22	23
	IFEP	625	19	28	53
Native Hawaiian or Other Pacific Islander		63	27	27	46
	ELL	27	56	26	19
	IFEP	36	6	28	67
Multiple Indication		149	19	19	62
	ELL	33	39	27	33
	IFEP	116	13	16	71
Special Education		1167	47	23	31
	ELL	761	58	20	21
	IFEP	406	25	27	49
Low SES		16651	31	24	45
	ELL	8498	46	24	30
	IFEP	8153	16	23	61
Migrant		247	47	22	31
	ELL	168	59	21	20
	IFEP	79	22	23	56

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

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Table 9.16: Spring 2013 AZELLA Stage I Test Results on Speaking at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		21709	23	24	52
	ELL	10212	37	28	35
	IFEP	11497	11	21	67
Hispanic		18550	24	25	51
	ELL	9232	37	28	36
	IFEP	9318	11	21	67
Non-Hispanic		3159	19	23	58
	ELL	980	39	27	34
	IFEP	2179	10	21	69
White		16550	23	24	52
	ELL	7931	36	28	36
	IFEP	8619	11	21	68
Black or African American		366	17	23	61
	ELL	114	36	25	39
	IFEP	252	8	22	70
Asian		1149	20	21	59
	ELL	368	42	28	30
	IFEP	781	9	18	73
American Indian or Alaskan Native		1058	22	25	53
	ELL	433	36	28	36
	IFEP	625	12	24	65
Native Hawaiian or Other Pacific Islander		63	30	29	41
	ELL	27	59	26	15
	IFEP	36	8	31	61
Multiple Indication		149	13	19	67
	ELL	33	21	42	36
	IFEP	116	11	13	76
Special Education		1167	34	29	36
	ELL	761	45	29	26
	IFEP	406	15	29	56
Low SES		16651	25	25	50
	ELL	8498	38	27	35
	IFEP	8153	11	22	66
Migrant		247	32	26	42
	ELL	168	40	31	29
	IFEP	79	15	15	70

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

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Table 9.17: Spring 2013 AZELLA Stage I Test Results on Reading at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		21709	28	29	44
	ELL	10212	43	31	27
	IFEP	11497	14	27	59
Hispanic		18550	29	30	41
	ELL	9232	43	31	26
	IFEP	9318	15	29	56
Non-Hispanic		3159	22	21	58
	ELL	980	45	27	29
	IFEP	2179	11	18	71
White		16550	27	30	43
	ELL	7931	41	32	27
	IFEP	8619	14	28	58
Black or African American		366	31	25	44
	ELL	114	55	25	19
	IFEP	252	20	24	56
Asian		1149	16	16	69
	ELL	368	38	28	34
	IFEP	781	5	10	85
American Indian or Alaskan Native		1058	32	31	37
	ELL	433	52	28	21
	IFEP	625	19	33	48
Native Hawaiian or Other Pacific Islander		63	25	33	41
	ELL	27	52	41	7
	IFEP	36	6	28	67
Multiple Indication		149	21	21	58
	ELL	33	55	36	9
	IFEP	116	12	16	72
Special Education		1167	44	29	27
	ELL	761	56	27	17
	IFEP	406	22	33	45
Low SES		16651	29	30	41
	ELL	8498	43	31	26
	IFEP	8153	16	29	56
Migrant		247	31	32	37
	ELL	168	39	33	28
	IFEP	79	15	28	57

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

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Table 9.18: Spring 2013 AZELLA Stage I Test Results on Writing at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		21709	32	23	45
	ELL	10212	43	24	33
	IFEP	11497	22	23	56
Hispanic		18550	33	24	43
	ELL	9232	43	24	32
	IFEP	9318	23	23	53
Non-Hispanic		3159	24	20	57
	ELL	980	43	22	34
	IFEP	2179	15	19	66
White		16550	31	24	45
	ELL	7931	42	24	33
	IFEP	8619	22	23	55
Black or African American		366	33	24	43
	ELL	114	61	13	26
	IFEP	252	20	29	50
Asian		1149	14	16	70
	ELL	368	32	25	43
	IFEP	781	6	12	82
American Indian or Alaskan Native		1058	37	27	36
	ELL	433	51	24	24
	IFEP	625	28	29	43
Native Hawaiian or Other Pacific Islander		63	27	25	48
	ELL	27	48	33	19
	IFEP	36	11	19	69
Multiple Indication		149	23	20	57
	ELL	33	39	24	36
	IFEP	116	18	19	63
Special Education		1167	50	23	27
	ELL	761	58	21	22
	IFEP	406	36	26	38
Low SES		16651	33	24	43
	ELL	8498	43	24	33
	IFEP	8153	23	24	53
Migrant		247	32	21	47
	ELL	168	38	24	39
	IFEP	79	20	16	63

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

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Table 9.19: Spring 2013 AZELLA Stage I Test Results on Language at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		21709	25	30	46
	ELL	10212	41	33	26
	IFEP	11497	10	27	63
Hispanic		18550	26	31	44
	ELL	9232	41	33	26
	IFEP	9318	11	28	61
Non-Hispanic		3159	19	23	58
	ELL	980	43	29	28
	IFEP	2179	9	20	71
White		16550	24	30	45
	ELL	7931	40	34	26
	IFEP	8619	10	27	63
Black or African American		366	23	27	50
	ELL	114	48	29	23
	IFEP	252	12	26	62
Asian		1149	14	18	67
	ELL	368	38	31	32
	IFEP	781	3	12	84
American Indian or Alaskan Native		1058	28	34	39
	ELL	433	46	34	19
	IFEP	625	15	33	52
Native Hawaiian or Other Pacific Islander		63	27	24	49
	ELL	27	59	30	11
	IFEP	36	3	19	78
Multiple Indication		149	15	26	60
	ELL	33	52	21	27
	IFEP	116	4	27	69
Special Education		1167	41	34	24
	ELL	761	53	32	15
	IFEP	406	18	39	43
Low SES		16651	27	31	42
	ELL	8498	41	33	25
	IFEP	8153	11	29	60
Migrant		247	35	30	35
	ELL	168	47	31	22
	IFEP	79	9	29	62

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

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Table 9.20: Spring 2013 AZELLA Stage I Test Results on Oral at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		21709	25	28	47
	ELL	10212	41	32	27
	IFEP	11497	10	25	66
Hispanic		18550	25	29	46
	ELL	9232	41	32	27
	IFEP	9318	10	25	65
Non-Hispanic		3159	20	24	56
	ELL	980	44	29	27
	IFEP	2179	9	22	69
White		16550	24	28	47
	ELL	7931	40	32	27
	IFEP	8619	9	25	66
Black or African American		366	21	26	53
	ELL	114	42	31	27
	IFEP	252	11	24	65
Asian		1149	17	21	62
	ELL	368	43	30	27
	IFEP	781	6	16	78
American Indian or Alaskan Native		1058	26	28	46
	ELL	433	44	30	25
	IFEP	625	13	27	61
Native Hawaiian or Other Pacific Islander		63	29	30	41
	ELL	27	63	26	11
	IFEP	36	3	33	64
Multiple Indication		149	13	26	60
	ELL	33	36	30	33
	IFEP	116	7	25	68
Special Education		1167	39	34	27
	ELL	761	51	34	15
	IFEP	406	17	33	50
Low SES		16651	26	29	44
	ELL	8498	42	32	26
	IFEP	8153	10	26	64
Migrant		247	39	32	29
	ELL	168	52	32	15
	IFEP	79	11	32	57

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

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Table 9.21: Spring 2013 AZELLA Stage I Test Results on Comprehension at Kindergarten

			*% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		21709	27	25	47
	ELL	10212	44	28	28
	IFEP	11497	13	23	64
Hispanic		18550	28	26	45
	ELL	9232	44	28	28
	IFEP	9318	13	24	63
Non-Hispanic		3159	22	19	59
	ELL	980	46	24	30
	IFEP	2179	11	17	72
White		16550	27	26	47
	ELL	7931	43	29	28
	IFEP	8619	12	23	64
Black or African American		366	29	22	49
	ELL	114	54	23	24
	IFEP	252	18	22	60
Asian		1149	16	15	68
	ELL	368	41	26	33
	IFEP	781	5	11	85
American Indian or Alaskan Native		1058	32	29	39
	ELL	433	54	27	20
	IFEP	625	17	30	53
Native Hawaiian or Other Pacific Islander		63	29	22	49
	ELL	27	59	22	19
	IFEP	36	6	22	72
Multiple Indication		149	21	16	63
	ELL	33	55	15	30
	IFEP	116	11	16	72
Special Education		1167	45	27	28
	ELL	761	58	25	18
	IFEP	406	21	31	48
Low SES		16651	30	26	44
	ELL	8498	45	28	28
	IFEP	8153	14	25	61
Migrant		247	40	26	34
	ELL	168	50	26	24
	IFEP	79	20	25	54

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

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Table 9.22: Spring 2013 AZELLA Stage I Test Results on Literacy at Kindergarten

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		21709	30	26	44
	ELL	10212	45	28	27
	IFEP	11497	17	25	58
Hispanic		18550	31	27	41
	ELL	9232	45	28	27
	IFEP	9318	18	26	56
Non-Hispanic		3159	22	20	58
	ELL	980	43	27	30
	IFEP	2179	12	17	70
White		16550	30	27	44
	ELL	7931	44	29	28
	IFEP	8619	17	25	58
Black or African American		366	33	23	44
	ELL	114	61	16	23
	IFEP	252	21	26	53
Asian		1149	14	16	70
	ELL	368	34	30	36
	IFEP	781	5	9	85
American Indian or Alaskan Native		1058	36	30	35
	ELL	433	55	26	20
	IFEP	625	23	32	45
Native Hawaiian or Other Pacific Islander		63	24	35	41
	ELL	27	48	44	7
	IFEP	36	6	28	67
Multiple Indication		149	20	23	57
	ELL	33	42	36	21
	IFEP	116	14	19	67
Special Education		1167	50	25	25
	ELL	761	61	22	18
	IFEP	406	30	32	38
Low SES		16651	32	27	41
	ELL	8498	45	28	27
	IFEP	8153	18	26	56
Migrant		247	32	26	43
	ELL	168	39	29	32
	IFEP	79	16	18	66

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

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Table 9.23: Spring 2013 AZELLA Stage I Test Results on Total Combined at Kindergarten

Group	ELL Status	N	*% at Proficiency Level PE/E	B	I	P
Total		21709	7	21	26	46
	ELL	10212	13	31	29	26
	IFEP	11497	1	11	24	64
Hispanic		18550	7	21	28	44
	ELL	9232	13	32	30	25
	IFEP	9318	1	11	25	62
Non-Hispanic		3159	6	15	20	59
	ELL	980	17	30	24	29
	IFEP	2179	1	9	18	72
White		16550	6	21	27	46
	ELL	7931	12	31	30	26
	IFEP	8619	1	11	24	64
Black or African American		366	6	22	26	47
	ELL	114	16	40	23	21
	IFEP	252	1	13	27	58
Asian		1149	5	11	15	69
	ELL	368	14	25	28	33
	IFEP	781	0	4	9	87
American Indian or Alaskan Native		1058	7	24	29	40
	ELL	433	14	38	27	20
	IFEP	625	3	14	31	53
Native Hawaiian or Other Pacific Islander		63	8	17	29	46
	ELL	27	19	33	37	11
	IFEP	36	0	6	22	72
Multiple Indication		149	3	15	21	60
	ELL	33	9	42	24	24
	IFEP	116	1	8	21	71
Special Education		1167	16	31	28	25
	ELL	761	23	38	25	15
	IFEP	406	3	17	35	45
Low SES		16651	8	22	28	43
	ELL	8498	14	31	30	25
	IFEP	8153	1	12	26	61
Migrant		247	10	28	28	35
	ELL	168	13	36	28	23
	IFEP	79	3	10	27	61

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

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Table 9.24: Spring 2013 AZELLA Stage II Test Results on Listening at Grade 1

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		21286	19	26	55
	ELL	16564	23	28	49
	FEP1	4701	6	18	76
	FEP2	21	19	19	62
Hispanic		18019	19	27	54
	ELL	14136	23	29	48
	FEP1	3865	6	19	75
	FEP2	18	17	22	61
Non-Hispanic		3267	17	21	62
	ELL	2428	22	24	54
	FEP1	836	4	14	83
	FEP2	3	*	*	*
White		17559	19	26	55
	ELL	13668	23	29	49
	FEP1	3874	6	18	75
	FEP2	17	18	24	59
Black or African American		395	23	21	55
	ELL	295	28	23	48
	FEP1	100	9	15	76
	FEP2	0			
Asian		981	12	17	71
	ELL	649	17	21	63
	FEP1	332	2	11	88
	FEP2	0			
American Indian or Alaskan Native		1247	19	28	53
	ELL	1043	21	31	48
	FEP1	204	6	17	76
	FEP2	0			
Native Hawaiian or Other Pacific Islander		95	17	28	55
	ELL	77	21	29	51
	FEP1	17	0	29	71
	FEP2	1	*	*	*
Multiple Indication		145	14	18	68
	ELL	108	17	21	62
	FEP1	37	5	8	86
	FEP2	0			
Special Education		1481	36	28	36
	ELL	1351	38	28	34
	FEP1	129	11	25	64
	FEP2	1	*	*	*
Low SES		17228	20	27	54
	ELL	13623	23	29	48
	FEP1	3592	6	19	75
	FEP2	13	8	15	77
Migrant		314	22	25	53
	ELL	283	23	27	50
	FEP1	31	10	13	77
	FEP2	0			

* 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 9.25: Spring 2013 AZELLA Stage II Test Results on Speaking at Grade 1

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		21286	19	22	59
	ELL	16564	23	23	54
	FEP1	4701	8	16	76
	FEP2	21	10	33	57
Hispanic		18019	19	22	58
	ELL	14136	23	24	54
	FEP1	3865	8	17	75
	FEP2	18	11	28	61
Non-Hispanic		3267	19	19	62
	ELL	2428	23	21	57
	FEP1	836	7	14	79
	FEP2	3	*	*	*
White		17559	19	22	59
	ELL	13668	22	24	54
	FEP1	3874	8	17	75
	FEP2	17	6	35	59
Black or African American		395	21	16	62
	ELL	295	26	17	56
	FEP1	100	6	14	80
	FEP2	0			
Asian		981	18	18	64
	ELL	649	24	19	56
	FEP1	332	7	15	78
	FEP2	0			
American Indian or Alaskan Native		1247	20	21	58
	ELL	1043	22	23	54
	FEP1	204	9	11	80
	FEP2	0			
Native Hawaiian or Other Pacific Islander		95	37	19	44
	ELL	77	43	19	38
	FEP1	17	12	18	71
	FEP2	1	*	*	*
Multiple Indication		145	16	20	64
	ELL	108	19	23	57
	FEP1	37	5	11	84
	FEP2				
Special Education		1481	29	26	45
	ELL	1351	30	27	43
	FEP1	129	10	21	69
	FEP2	1	*	*	*
Low SES		17228	20	22	58
	ELL	13623	23	24	53
	FEP1	3592	8	17	75
	FEP2	13	15	23	62
Migrant		314	26	24	50
	ELL	283	28	24	48
	FEP1	31	10	23	68
	FEP2	0			

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

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Table 9.26: Spring 2013 AZELLA Stage II Test Results on Reading at Grade 1

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		21286	25	29	46
	ELL	16564	30	32	39
	FEP1	4701	8	20	72
	FEP2	21	19	29	52
Hispanic		18019	25	30	45
	ELL	14136	30	32	38
	FEP1	3865	9	21	70
	FEP2	18	17	28	56
Non-Hispanic		3267	22	24	54
	ELL	2428	28	28	44
	FEP1	836	5	14	81
	FEP2	3	*	*	*
White		17559	25	30	46
	ELL	13668	29	32	39
	FEP1	3874	9	21	70
	FEP2	17	18	29	53
Black or African American		395	28	23	50
	ELL	295	34	24	42
	FEP1	100	10	17	73
	FEP2	0			
Asian		981	12	19	69
	ELL	649	18	24	57
	FEP1	332	1	8	91
	FEP2	0			
American Indian or Alaskan Native		1247	29	32	39
	ELL	1043	32	34	34
	FEP1	204	16	21	63
	FEP2	0			
Native Hawaiian or Other Pacific Islander		95	33	28	39
	ELL	77	40	30	30
	FEP1	17	0	24	76
	FEP2	1	*	*	*
Multiple Indication		145	23	26	52
	ELL	108	28	32	40
	FEP1	37	8	5	86
	FEP2	0			
Special Education		1481	40	33	26
	ELL	1351	42	34	23
	FEP1	129	19	25	57
	FEP2	1	*	*	*
Low SES		17228	26	30	44
	ELL	13623	30	32	38
	FEP1	3592	9	22	69
	FEP2	13	15	23	62
Migrant		314	26	32	41
	ELL	283	29	33	38
	FEP1	31	3	23	74
	FEP2	0			

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

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Table 9.27: Spring 2013 AZELLA Stage II Test Results on Writing at Grade 1

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		21286	22	31	47
	ELL	16564	26	34	40
	FEP1	4701	6	22	72
	FEP2	21	14	33	52
Hispanic		18019	22	32	46
	ELL	14136	27	34	39
	FEP1	3865	7	23	70
	FEP2	18	11	33	56
Non-Hispanic		3267	19	27	53
	ELL	2428	25	31	44
	FEP1	836	4	17	79
	FEP2	3	*	*	*
White		17559	22	31	47
	ELL	13668	26	34	40
	FEP1	3874	7	22	71
	FEP2	17	18	35	47
Black or African American		395	26	28	46
	ELL	295	31	31	38
	FEP1	100	9	21	70
	FEP2	0			
Asian		981	12	20	68
	ELL	649	17	24	59
	FEP1	332	1	12	86
	FEP2				
American Indian or Alaskan Native		1247	24	35	41
	ELL	1043	28	36	36
	FEP1	204	6	30	63
	FEP2	0			
Native Hawaiian or Other Pacific Islander		95	27	28	44
	ELL	77	32	30	38
	FEP1	17	6	24	71
	FEP2	1	*	*	*
Multiple Indication		145	19	27	54
	ELL	108	24	31	45
	FEP1	37	3	16	81
	FEP2	0			
Special Education		1481	43	34	23
	ELL	1351	46	33	21
	FEP1	129	12	38	50
	FEP2	1	*	*	*
Low SES		17228	23	32	46
	ELL	13623	27	34	39
	FEP1	3592	7	23	70
	FEP2	13	15	38	46
Migrant		314	25	32	43
	ELL	283	27	34	40
	FEP1	31	6	19	74
	FEP2	0			

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Table 9.28: Spring 2013 AZELLA Stage II Test Results on Language at Grade 1

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		21286	18	33	49
	ELL	16564	23	36	41
	FEP1	4701	3	20	78
	FEP2	21	14	19	67
Hispanic		18019	19	33	48
	ELL	14136	23	37	40
	FEP1	3865	3	21	76
	FEP2	18	11	17	72
Non-Hispanic		3267	17	28	55
	ELL	2428	22	33	44
	FEP1	836	2	13	85
	FEP2	3	*	*	*
White		17559	18	33	49
	ELL	13668	22	37	41
	FEP1	3874	3	21	76
	FEP2	17	12	24	65
Black or African American		395	22	27	51
	ELL	295	27	31	42
	FEP1	100	6	16	78
	FEP2	0			
Asian		981	12	20	67
	ELL	649	18	26	55
	FEP1	332	1	9	90
	FEP2	0			
American Indian or Alaskan Native		1247	20	37	43
	ELL	1043	23	40	38
	FEP1	204	3	24	73
	FEP2	0			
Native Hawaiian or Other Pacific Islander		95	28	32	40
	ELL	77	34	36	30
	FEP1	17	6	12	82
	FEP2	1	*	*	*
Multiple Indication		145	14	30	56
	ELL	108	19	34	46
	FEP1	37	0	16	84
	FEP2				
Special Education		1481	38	37	25
	ELL	1351	41	37	22
	FEP1	129	6	37	57
	FEP2	1	*	*	*
Low SES		17228	19	34	47
	ELL	13623	23	37	40
	FEP1	3592	3	22	75
	FEP2	13	8	23	69
Migrant		314	25	32	44
	ELL	283	27	33	40
	FEP1	31	0	23	77
	FEP2	0			

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

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Table 9.29: Spring 2013 AZELLA Stage II Test Results on Oral at Grade 1

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		21286	16	32	52
	ELL	16564	19	36	45
	FEP1	4701	3	20	77
	FEP2	21	14	19	67
Hispanic		18019	16	33	51
	ELL	14136	19	37	44
	FEP1	3865	4	21	76
	FEP2	18	11	22	67
Non-Hispanic		3267	15	27	58
	ELL	2428	19	31	50
	FEP1	836	2	15	83
	FEP2	3	*	*	*
White		17559	15	33	52
	ELL	13668	19	37	45
	FEP1	3874	4	20	76
	FEP2	17	12	24	65
Black or African American		395	21	25	54
	ELL	295	26	27	47
	FEP1	100	5	19	76
	FEP2	0			
Asian		981	12	22	66
	ELL	649	17	28	55
	FEP1	332	1	12	88
	FEP2	0			
American Indian or Alaskan Native		1247	17	34	49
	ELL	1043	19	38	43
	FEP1	204	6	17	77
	FEP2	0			
Native Hawaiian or Other Pacific Islander		95	27	29	43
	ELL	77	32	31	36
	FEP1	17	6	24	71
	FEP2	1	*	*0	*
Multiple Indication		145	10	28	62
	ELL	108	14	32	54
	FEP1	37	0	14	86
	FEP2				
Special Education		1481	30	38	32
	ELL	1351	32	38	29
	FEP1	129	6	34	60
	FEP2	1	*	*	*
Low SES		17228	16	33	51
	ELL	13623	20	36	44
	FEP1	3592	4	21	76
	FEP2	13	15	8	77
Migrant		314	22	31	47
	ELL	283	23	33	44
	FEP1	31	10	19	71
	FEP2	0			

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

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Table 9.30: Spring 2013 AZELLA Stage II Test Results on Comprehension at Grade 1

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		21286	22	32	46
	ELL	16564	27	36	38
	FEP1	4701	5	21	74
	FEP2	21	19	19	62
Hispanic		18019	22	33	44
	ELL	14136	27	36	37
	FEP1	3865	6	22	72
	FEP2	18	17	22	61
Non-Hispanic		3267	20	26	54
	ELL	2428	26	30	44
	FEP1	836	3	14	83
	FEP2	3	*	*	*
White		17559	22	33	45
	ELL	13668	26	36	38
	FEP1	3874	6	22	72
	FEP2	17	18	24	59
Black or African American		395	24	29	47
	ELL	295	30	32	38
	FEP1	100	7	20	73
	FEP2				
Asian		981	12	19	70
	ELL	649	17	25	58
	FEP1	332	1	6	93
	FEP2	0			
American Indian or Alaskan Native		1247	26	35	39
	ELL	1043	29	37	34
	FEP1	204	9	21	70
	FEP2	0			
Native Hawaiian or Other Pacific Islander		95	33	27	40
	ELL	77	40	27	32
	FEP1	17	0	29	71
	FEP2	1	*	*	*
Multiple Indication		145	17	30	53
	ELL	108	23	34	43
	FEP1	37	0	16	84
	FEP2	0			
Special Education		1481	39	36	24
	ELL	1351	42	37	21
	FEP1	129	12	34	54
	FEP2	1	*	*	*
Low SES		17228	23	33	44
	ELL	13623	27	36	37
	FEP1	3592	6	23	72
	FEP2	13	8	23	69
Migrant		314	25	32	43
	ELL	283	27	33	40
	FEP1	31	3	23	74
	FEP2	0			

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

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Table 9.31: Spring 2013 AZELLA Stage II Test Results on Literacy at Grade 1

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		21286	24	30	45
	ELL	16564	29	33	38
	FEP1	4701	6	21	73
	FEP2	21	14	29	57
Hispanic		18019	25	31	44
	ELL	14136	30	34	37
	FEP1	3865	7	22	71
	FEP2	18	11	28	61
Non-Hispanic		3267	21	26	53
	ELL	2428	27	30	43
	FEP1	836	4	15	81
	FEP2	3	*	*	*
White		17559	24	31	45
	ELL	13668	29	33	37
	FEP1	3874	7	22	71
	FEP2	17	12	29	59
Black or African American		395	27	25	48
	ELL	295	34	26	40
	FEP1	100	8	21	71
	FEP2				
Asian		981	12	19	69
	ELL	649	17	25	57
	FEP1	332	1	7	92
	FEP2				
American Indian or Alaskan Native		1247	27	34	39
	ELL	1043	30	36	33
	FEP1	204	10	24	66
	FEP2				
Native Hawaiian or Other Pacific Islander		95	33	28	39
	ELL	77	40	30	30
	FEP1	17	0	24	76
	FEP2	1	*	*	*
Multiple Indication		145	22	25	53
	ELL	108	28	31	42
	FEP1	37	5	8	86
	FEP2				
Special Education		1481	45	31	24
	ELL	1351	48	31	21
	FEP1	129	15	34	51
	FEP2	1	*	*	*
Low SES		17228	25	31	44
	ELL	13623	30	33	37
	FEP1	3592	7	22	70
	FEP2	13	8	31	62
Migrant		314	26	32	41
	ELL	283	29	34	37
	FEP1	31	0	23	77
	FEP2				

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

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Table 9.32: Spring 2013 AZELLA Stage II Test Results on Total Combined at Grade 1

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		21286	2	16	35	47
	ELL	16564	3	20	39	38
	FEP1	4701	0	2	21	76
	FEP2	21		14	33	52
Hispanic		18019	2	16	36	45
	ELL	14136	3	20	40	37
	FEP1	3865	0	3	23	74
	FEP2	18	0	11	33	56
Non-Hispanic		3267	2	14	30	54
	ELL	2428	3	19	35	43
	FEP1	836	0	1	14	85
	FEP2	3	0	*	*	*
White		17559	2	16	36	46
	ELL	13668	2	20	40	38
	FEP1	3874	0	3	23	75
	FEP2	17	0	12	35	53
Black or African American		395	7	14	32	48
	ELL	295	9	17	35	39
	FEP1	100	0	4	22	74
	FEP2	0				
Asian		981	2	9	21	69
	ELL	649	2	13	29	55
	FEP1	332	0	0	6	94
	FEP2	0				
American Indian or Alaskan Native		1247	2	19	39	40
	ELL	1043	2	22	42	34
	FEP1	204	0	3	26	70
	FEP2					
Native Hawaiian or Other Pacific Islander		95	2	29	29	39
	ELL	77	3	35	32	30
	FEP1	17	0	6	18	76
	FEP2	1	0	*	*	*
Multiple Indication		145	1	17	27	55
	ELL	108	1	22	32	44
	FEP1	37	0	3	11	86
	FEP2	0				
Special Education		1481	6	31	40	23
	ELL	1351	7	33	40	20
	FEP1	129	0	5	41	53
	FEP2	1	0	*	*	*
Low SES		17228	2	17	36	45
	ELL	13623	3	20	40	37
	FEP1	3592	0	3	24	74
	FEP2	13	0	8	38	54
Migrant		314	4	20	34	42
	ELL	283	4	22	35	39
	FEP1	31	0	0	23	77
	FEP2	0				

* 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 9.33: Spring 2013 AZELLA Stage II Test Results on Listening at Grade 2

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		20301	22	24	54
	ELL	12522	32	28	41
	FEP1	4368	8	19	73
	FEP2	3411	7	16	77
Hispanic		17749	23	25	53
	ELL	11068	32	28	40
	FEP1	3693	8	20	72
	FEP2	2988	7	17	76
Non-Hispanic		2552	20	21	59
	ELL	1454	31	27	42
	FEP1	675	7	14	79
	FEP2	423	4	9	87
White		16947	22	25	53
	ELL	10449	31	28	40
	FEP1	3591	8	20	72
	FEP2	2907	7	17	76
Black or African American		326	27	22	50
	ELL	210	38	26	36
	FEP1	72	8	13	79
	FEP2	44	7	20	73
Asian		906	15	15	70
	ELL	412	29	24	48
	FEP1	275	6	11	83
	FEP2	219	1	4	95
American Indian or Alaskan Native		1384	22	24	54
	ELL	934	29	28	43
	FEP1	278	7	18	75
	FEP2	172	4	15	81
Native Hawaiian or Other Pacific Islander		94	38	22	39
	ELL	70	49	29	23
	FEP1	17	6	6	88
	FEP2	7	*	*	*
Multiple Indication		152	13	24	64
	ELL	84	19	29	52
	FEP1	36	3	22	75
	FEP2	32	6	13	81
Special Education		1458	46	22	33
	ELL	1270	50	22	27
	FEP1	106	14	16	70
	FEP2	82	15	23	62
Low SES		16570	23	24	53
	ELL	10374	32	28	40
	FEP1	3469	8	20	73
	FEP2	2727	7	17	76
Migrant		342	26	27	46
	ELL	265	31	31	38
	FEP1	43	12	19	70
	FEP2	34	9	9	82

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Table 9.34: Spring 2013 AZELLA Stage II Test Results on Speaking at Grade 2

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		20301	18	26	56
	ELL	12522	24	30	46
	FEP1	4368	8	20	72
	FEP2	3411	7	20	73
Hispanic		17749	18	26	56
	ELL	11068	24	30	46
	FEP1	3693	8	20	71
	FEP2	2988	7	21	72
Non-Hispanic		2552	18	24	58
	ELL	1454	27	29	44
	FEP1	675	7	20	73
	FEP2	423	4	15	82
White		16947	18	26	56
	ELL	10449	24	30	46
	FEP1	3591	8	21	71
	FEP2	2907	7	21	72
Black or African American		326	21	21	58
	ELL	210	29	27	44
	FEP1	72	6	11	83
	FEP2	44	7	9	84
Asian		906	16	20	63
	ELL	412	30	28	42
	FEP1	275	8	14	78
	FEP2	219	2	13	84
American Indian or Alaskan Native		1384	16	30	54
	ELL	934	21	34	45
	FEP1	278	8	21	72
	FEP2	172	6	23	72
Native Hawaiian or Other Pacific Islander		94	34	22	44
	ELL	70	41	24	34
	FEP1	17	18	18	65
	FEP2	7	*	*	*
Multiple Indication		152	24	25	51
	ELL	84	27	29	44
	FEP1	36	11	22	67
	FEP2	32	28	19	53
Special Education		1458	33	33	33
	ELL	1270	36	34	30
	FEP1	106	16	26	58
	FEP2	82	10	34	56
Low SES		16570	18	27	55
	ELL	10374	25	31	45
	FEP1	3469	8	21	71
	FEP2	2727	7	21	72
Migrant		342	25	24	51
	ELL	265	30	26	45
	FEP1	43	9	23	67
	FEP2	34	3	12	85

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Table 9.35: Spring 2013 AZELLA Stage II Test Results on Reading at Grade 2

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		20301	16	18	66
	ELL	12522	25	24	50
	FEP1	4368	1	6	92
	FEP2	3411	2	8	90
Hispanic		17749	16	18	66
	ELL	11068	25	25	50
	FEP1	3693	1	7	92
	FEP2	2988	2	9	89
Non-Hispanic		2552	15	16	70
	ELL	1454	25	24	52
	FEP1	675	1	6	93
	FEP2	423	1	4	95
White		16947	16	18	66
	ELL	10449	25	25	50
	FEP1	3591	1	7	92
	FEP2	2907	2	9	89
Black or African American		326	20	14	66
	ELL	210	29	20	51
	FEP1	72	1	4	94
	FEP2	44	9	2	89
Asian		906	8	13	79
	ELL	412	17	23	60
	FEP1	275	0	5	94
	FEP2	219	0	2	97
American Indian or Alaskan Native		1384	16	19	65
	ELL	934	23	25	52
	FEP1	278	1	4	95
	FEP2	172	1	9	90
Native Hawaiian or Other Pacific Islander		94	36	16	48
	ELL	70	49	17	34
	FEP1	17	0	12	88
	FEP2	7	*	*	*
Multiple Indication		152	15	20	64
	ELL	84	24	31	45
	FEP1	36	3	3	94
	FEP2	32	6	13	81
Special Education		1458	40	23	38
	ELL	1270	45	24	31
	FEP1	106	2	6	92
	FEP2	82	10	17	73
Low SES		16570	16	19	65
	ELL	10374	25	25	50
	FEP1	3469	1	7	92
	FEP2	2727	2	9	89
Migrant		342	24	18	58
	ELL	265	31	22	48
	FEP1	43	0	5	95
	FEP2	34	3	9	88

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Table 9.36: Spring 2013 AZELLA Stage II Test Results on Writing at Grade 2

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		20301	16	20	64
	ELL	12522	25	27	48
	FEP1	4368	1	8	90
	FEP2	3411	3	9	88
Hispanic		17749	17	20	63
	ELL	11068	25	27	48
	FEP1	3693	1	9	90
	FEP2	2988	3	10	87
Non-Hispanic		2552	14	18	68
	ELL	1454	24	27	49
	FEP1	675	1	7	92
	FEP2	423	0	5	94
White		16947	16	20	64
	ELL	10449	25	27	48
	FEP1	3591	2	8	90
	FEP2	2907	3	10	87
Black or African American		326	18	19	63
	ELL	210	27	23	50
	FEP1	72	0	10	90
	FEP2	44	5	14	82
Asian		906	10	13	77
	ELL	412	21	24	55
	FEP1	275	1	6	93
	FEP2	219	0	2	98
American Indian or Alaskan Native		1384	17	22	62
	ELL	934	24	28	48
	FEP1	278	1	8	91
	FEP2	172	2	10	88
Native Hawaiian or Other Pacific Islander		94	31	23	46
	ELL	70	41	26	33
	FEP1	17	0	18	82
	FEP2	7	*	*	*
Multiple Indication		152	19	17	64
	ELL	84	27	20	52
	FEP1	36	0	22	78
	FEP2	32	19	3	78
Special Education		1458	44	24	32
	ELL	1270	49	25	26
	FEP1	106	3	17	80
	FEP2	82	12	21	67
Low SES		16570	17	20	63
	ELL	10374	25	27	48
	FEP1	3469	1	9	90
	FEP2	2727	3	10	87
Migrant		342	21	24	55
	ELL	265	27	28	45
	FEP1	43	0	7	93
	FEP2	34	3	15	82

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Table 9.37: Spring 2013 AZELLA Stage II Test Results on Language at Grade 2

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		20301	15	23	62
	ELL	12522	23	31	46
	FEP1	4368	1	10	89
	FEP2	3411	1	10	89
Hispanic		17749	15	23	62
	ELL	11068	23	31	46
	FEP1	3693	1	10	88
	FEP2	2988	1	11	88
Non-Hispanic		2552	14	20	65
	ELL	1454	25	30	46
	FEP1	675	1	9	90
	FEP2	423	0	5	95
White		16947	15	23	62
	ELL	10449	23	31	46
	FEP1	3591	1	10	88
	FEP2	2907	1	11	88
Black or African American		326	18	19	63
	ELL	210	28	24	48
	FEP1	72	0	7	93
	FEP2	44	5	11	84
Asian		906	11	15	74
	ELL	412	23	27	50
	FEP1	275	1	8	90
	FEP2	219	0	2	98
American Indian or Alaskan Native		1384	15	24	62
	ELL	934	21	31	48
	FEP1	278	1	9	90
	FEP2	172	1	7	92
Native Hawaiian or Other Pacific Islander		94	32	27	41
	ELL	70	43	29	29
	FEP1	17	0	24	76
	FEP2	7	*	*	*
Multiple Indication		152	16	25	59
	ELL	84	26	29	45
	FEP1	36	0	22	78
	FEP2	32	9	19	72
Special Education		1458	42	28	30
	ELL	1270	47	29	23
	FEP1	106	4	21	75
	FEP2	82	9	21	71
Low SES		16570	15	24	61
	ELL	10374	24	31	45
	FEP1	3469	1	11	88
	FEP2	2727	1	11	88
Migrant		342	21	28	51
	ELL	265	26	35	39
	FEP1	43	2	5	93
	FEP2	34	3	9	88

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Table 9.38: Spring 2013 AZELLA Stage II Test Results on Oral at Grade 2

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		20301	20	25	55
	ELL	12522	29	30	41
	FEP1	4368	6	18	76
	FEP2	3411	4	16	80
Hispanic		17749	20	25	54
	ELL	11068	29	30	41
	FEP1	3693	6	19	75
	FEP2	2988	5	17	79
Non-Hispanic		2552	19	22	60
	ELL	1454	30	29	42
	FEP1	675	6	14	81
	FEP2	423	2	10	87
White		16947	20	26	55
	ELL	10449	29	30	41
	FEP1	3591	6	19	75
	FEP2	2907	5	16	79
Black or African American		326	23	26	51
	ELL	210	34	29	37
	FEP1	72	4	18	78
	FEP2	44	0	30	70
Asian		906	15	17	69
	ELL	412	28	27	45
	FEP1	275	7	11	83
	FEP2	219	0	5	95
American Indian or Alaskan Native		1384	20	24	55
	ELL	934	28	29	43
	FEP1	278	5	16	78
	FEP2	172	2	13	85
Native Hawaiian or Other Pacific Islander		94	39	20	40
	ELL	70	49	24	27
	FEP1	17	12	12	76
	FEP2	7	*	*	*
Multiple Indication		152	19	22	59
	ELL	84	26	29	45
	FEP1	36	8	11	81
	FEP2	32	13	16	72
Special Education		1458	44	27	29
	ELL	1270	49	28	23
	FEP1	106	12	20	68
	FEP2	82	15	22	63
Low SES		16570	20	26	54
	ELL	10374	29	30	40
	FEP1	3469	6	19	75
	FEP2	2727	5	16	79
Migrant		342	25	27	48
	ELL	265	31	31	38
	FEP1	43	7	16	77
	FEP2	34	3	12	85

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Table 9.39: Spring 2013 AZELLA Stage II Test Results on Comprehension at Grade 2

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		20301	16	21	63
	ELL	12522	25	29	46
	FEP1	4368	2	8	90
	FEP2	3411	2	10	88
Hispanic		17749	16	22	62
	ELL	11068	25	29	46
	FEP1	3693	2	8	90
	FEP2	2988	2	11	88
Non-Hispanic		2552	16	17	67
	ELL	1454	26	25	48
	FEP1	675	1	7	91
	FEP2	423	2	5	94
White		16947	16	21	63
	ELL	10449	25	29	46
	FEP1	3591	2	8	90
	FEP2	2907	2	11	88
Black or African American		326	21	19	60
	ELL	210	30	26	44
	FEP1	72	1	7	92
	FEP2	44	7	7	86
Asian		906	9	13	78
	ELL	412	19	23	57
	FEP1	275	1	5	93
	FEP2	219	0	3	96
American Indian or Alaskan Native		1384	15	22	62
	ELL	934	22	30	48
	FEP1	278	1	7	92
	FEP2	172	1	8	91
Native Hawaiian or Other Pacific Islander		94	36	21	43
	ELL	70	49	24	27
	FEP1	17	0	12	88
	FEP2	7	*	*	*
Multiple Indication		152	15	18	66
	ELL	84	25	27	48
	FEP1	36	3	3	94
	FEP2	32	3	13	84
Special Education		1458	41	26	33
	ELL	1270	47	27	26
	FEP1	106	2	8	91
	FEP2	82	7	23	70
Low SES		16570	16	22	62
	ELL	10374	25	29	46
	FEP1	3469	1	8	90
	FEP2	2727	2	11	87
Migrant		342	23	23	54
	ELL	265	30	27	43
	FEP1	43	0	9	91
	FEP2	34	0	12	88

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Table 9.40: Spring 2013 AZELLA Stage II Test Results on Literacy at Grade 2

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		20301	16	17	66
	ELL	12522	25	25	50
	FEP1	4368	1	5	94
	FEP2	3411	2	7	91
Hispanic		17749	16	18	66
	ELL	11068	26	25	50
	FEP1	3693	1	5	94
	FEP2	2988	2	8	90
Non-Hispanic		2552	15	15	71
	ELL	1454	25	23	52
	FEP1	675	1	4	95
	FEP2	423	1	3	96
White		16947	16	18	66
	ELL	10449	25	25	50
	FEP1	3591	1	5	94
	FEP2	2907	2	8	90
Black or African American		326	21	13	66
	ELL	210	30	18	51
	FEP1	72	0	6	94
	FEP2	44	11	0	89
Asian		906	8	11	81
	ELL	412	18	21	62
	FEP1	275	0	3	97
	FEP2	219	0	2	98
American Indian or Alaskan Native		1384	16	20	65
	ELL	934	23	27	50
	FEP1	278	0	4	95
	FEP2	172	1	6	93
Native Hawaiian or Other Pacific Islander		94	35	17	48
	ELL	70	47	20	33
	FEP1	17	0	12	88
	FEP2	7	*	*	*
Multiple Indication		152	16	19	64
	ELL	84	25	27	48
	FEP1	36	0	8	92
	FEP2	32	13	9	78
Special Education		1458	43	22	34
	ELL	1270	49	24	27
	FEP1	106	2	7	92
	FEP2	82	11	17	72
Low SES		16570	17	18	65
	ELL	10374	26	25	49
	FEP1	3469	1	5	94
	FEP2	2727	2	8	90
Migrant		342	23	21	56
	ELL	265	29	26	45
	FEP1	43	0	0	100
	FEP2	34	3	9	88

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Table 9.41: Spring 2013 AZELLA Stage II Test Results on Total Combined at Grade 2

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		20301	4	12	22	62
	ELL	12522	6	18	31	45
	FEP1	4368	0	1	8	91
	FEP2	3411	0	1	9	90
Hispanic		17749	4	12	23	62
	ELL	11068	6	18	31	45
	FEP1	3693	0	1	8	91
	FEP2	2988	0	1	10	89
Non-Hispanic		2552	5	10	19	66
	ELL	1454	8	17	29	46
	FEP1	675	0	1	6	93
	FEP2	423	0	0	4	96
White		16947	4	11	23	62
	ELL	10449	6	18	31	45
	FEP1	3591	0	1	8	91
	FEP2	2907	0	1	10	89
Black or African American		326	7	12	21	61
	ELL	210	10	17	28	44
	FEP1	72	0	0	7	93
	FEP2	44	0	5	7	89
Asian		906	4	6	13	77
	ELL	412	8	13	24	55
	FEP1	275	0	1	5	94
	FEP2	219	0	0	2	98
American Indian or Alaskan Native		1384	4	12	23	61
	ELL	934	5	18	32	46
	FEP1	278	0	0	6	94
	FEP2	172	0	1	6	94
Native Hawaiian or Other Pacific Islander		94	15	22	18	45
	ELL	70	20	30	20	30
	FEP1	17	0	0	12	88
	FEP2	7	*	*	*	*
Multiple Indication		152	3	13	20	63
	ELL	84	6	20	26	48
	FEP1	36	0	3	8	89
	FEP2	32	0	6	19	75
Special Education		1458	15	29	27	30
	ELL	1270	17	33	28	23
	FEP1	106	1	1	13	85
	FEP2	82	1	6	27	66
Low SES		16570	4	12	23	61
	ELL	10374	6	18	31	44
	FEP1	3469	0	1	8	91
	FEP2	2727	0	1	10	89
Migrant		342	6	17	26	52
	ELL	265	7	21	31	41
	FEP1	43	0	0	7	93
	FEP2	34	0	3	9	88

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

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Table 9.42: Spring 2013 AZELLA Stage III Test Results on Listening at Grade 3

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		16771	34	27	39
	ELL	6516	56	26	19
	FEP1	6369	25	30	45
	FEP2	3886	11	24	65
Hispanic		14811	34	27	39
	ELL	5669	56	26	18
	FEP1	5695	25	31	44
	FEP2	3447	12	24	64
Non-Hispanic		1960	32	25	43
	ELL	847	51	25	23
	FEP1	674	23	27	51
	FEP2	439	9	21	71
White		13747	34	28	39
	ELL	5197	56	26	18
	FEP1	5314	25	31	44
	FEP2	3236	12	24	64
Black or African American		270	41	23	36
	ELL	122	62	20	18
	FEP1	94	26	28	47
	FEP2	54	22	20	57
Asian		656	22	21	56
	ELL	225	47	24	29
	FEP1	232	15	21	64
	FEP2	199	3	19	78
American Indian or Alaskan Native		1308	37	27	36
	ELL	586	57	26	17
	FEP1	472	25	33	42
	FEP2	250	11	19	70
Native Hawaiian or Other Pacific Islander		66	44	15	41
	ELL	37	65	14	22
	FEP1	18	17	22	61
	FEP2	11	18	9	73
Multiple Indication		144	33	28	40
	ELL	59	53	29	19
	FEP1	57	25	30	46
	FEP2	28	7	21	71
Special Education		1346	60	23	17
	ELL	994	72	20	9
	FEP1	269	30	33	37
	FEP2	83	19	25	55
Low SES		14027	35	27	38
	ELL	5534	56	26	18
	FEP1	5330	25	31	44
	FEP2	3163	12	25	63
Migrant		289	42	32	27
	ELL	156	61	24	15
	FEP1	91	20	45	35
	FEP2	42	17	31	52

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

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Table 9.43: Spring 2013 AZELLA Stage III Test Results on Speaking at Grade 3

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		16771	27	25	48
	ELL	6516	44	26	30
	FEP1	6369	20	25	55
	FEP2	3886	11	21	68
Hispanic		14811	27	25	48
	ELL	5669	43	26	30
	FEP1	5695	20	25	55
	FEP2	3447	11	20	68
Non-Hispanic		1960	30	24	46
	ELL	847	49	24	27
	FEP1	674	19	24	57
	FEP2	439	11	23	66
White		13747	27	25	48
	ELL	5197	44	26	30
	FEP1	5314	20	26	55
	FEP2	3236	12	20	68
Black or African American		270	31	23	46
	ELL	122	53	21	25
	FEP1	94	18	22	60
	FEP2	54	6	28	67
Asian		656	27	23	50
	ELL	225	50	23	27
	FEP1	232	17	24	59
	FEP2	199	13	21	66
American Indian or Alaskan Native		1308	29	27	44
	ELL	586	44	30	26
	FEP1	472	20	25	55
	FEP2	250	9	23	68
Native Hawaiian or Other Pacific Islander		66	36	21	42
	ELL	37	51	16	32
	FEP1	18	17	39	44
	FEP2	11	18	9	73
Multiple Indication		144	29	20	51
	ELL	59	46	17	37
	FEP1	57	21	18	61
	FEP2	28	11	32	57
Special Education		1346	50	26	23
	ELL	994	58	25	17
	FEP1	269	33	30	37
	FEP2	83	17	29	54
Low SES		14027	28	25	47
	ELL	5534	45	26	29
	FEP1	5330	20	26	55
	FEP2	3163	11	21	68
Migrant		289	36	22	42
	ELL	156	50	24	26
	FEP1	91	26	21	53
	FEP2	42	7	19	74

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

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Table 9.44: Spring 2013 AZELLA Stage III Test Results on Reading at Grade 3

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		16771	27	30	43
	ELL	6516	53	31	16
	FEP1	6369	15	36	49
	FEP2	3886	5	18	77
Hispanic		14811	28	30	42
	ELL	5669	53	31	15
	FEP1	5695	16	36	48
	FEP2	3447	5	19	76
Non-Hispanic		1960	25	27	48
	ELL	847	47	31	22
	FEP1	674	12	29	59
	FEP2	439	4	14	82
White		13747	27	30	42
	ELL	5197	53	31	16
	FEP1	5314	16	36	48
	FEP2	3236	5	19	76
Black or African American		270	38	25	37
	ELL	122	63	22	15
	FEP1	94	24	29	47
	FEP2	54	6	26	69
Asian		656	17	22	61
	ELL	225	39	36	26
	FEP1	232	6	20	74
	FEP2	199	4	9	87
American Indian or Alaskan Native		1308	27	34	39
	ELL	586	47	37	16
	FEP1	472	14	40	46
	FEP2	250	4	17	79
Native Hawaiian or Other Pacific Islander		66	38	26	36
	ELL	37	62	27	11
	FEP1	18	11	33	56
	FEP2	11	0	9	91
Multiple Indication		144	26	33	42
	ELL	59	46	37	17
	FEP1	57	16	35	49
	FEP2	28	4	18	79
Special Education		1346	59	25	16
	ELL	994	73	22	5
	FEP1	269	22	41	38
	FEP2	83	10	17	73
Low SES		14027	28	31	42
	ELL	5534	53	31	15
	FEP1	5330	15	36	48
	FEP2	3163	5	19	76
Migrant		289	33	36	30
	ELL	156	51	35	14
	FEP1	91	16	45	38
	FEP2	42	5	21	74

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

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Table 9.45: Spring 2013 AZELLA Stage III Test Results on Writing at Grade 3

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		16771	27	20	53
	ELL	6516	54	22	24
	FEP1	6369	13	24	62
	FEP2	3886	4	10	86
Hispanic		14811	27	21	53
	ELL	5669	55	22	23
	FEP1	5695	13	25	62
	FEP2	3447	4	11	86
Non-Hispanic		1960	26	18	55
	ELL	847	48	20	32
	FEP1	674	14	22	65
	FEP2	439	4	9	87
White		13747	27	21	53
	ELL	5197	55	22	23
	FEP1	5314	13	25	62
	FEP2	3236	4	11	85
Black or African American		270	40	17	43
	ELL	122	64	16	20
	FEP1	94	26	23	51
	FEP2	54	13	6	81
Asian		656	18	14	68
	ELL	225	45	18	37
	FEP1	232	6	16	78
	FEP2	199	3	7	91
American Indian or Alaskan Native		1308	29	19	52
	ELL	586	50	22	28
	FEP1	472	15	23	62
	FEP2	250	4	7	90
Native Hawaiian or Other Pacific Islander		66	30	23	47
	ELL	37	49	22	30
	FEP1	18	11	39	50
	FEP2	11	0	0	100
Multiple Indication		144	27	25	48
	ELL	59	44	27	29
	FEP1	57	23	28	49
	FEP2	28	0	14	86
Special Education		1346	61	20	20
	ELL	994	76	16	8
	FEP1	269	21	34	45
	FEP2	83	10	18	72
Low SES		14027	27	21	52
	ELL	5534	54	22	23
	FEP1	5330	13	24	62
	FEP2	3163	4	11	85
Migrant		289	33	21	47
	ELL	156	51	19	31
	FEP1	91	13	26	60
	FEP2	42	7	17	76

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

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Table 9.46: Spring 2013 AZELLA Stage III Test Results on Language at Grade 3

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		16771	26	26	48
	ELL	6516	55	28	17
	FEP1	6369	11	32	57
	FEP2	3886	3	14	83
Hispanic		14811	26	27	47
	ELL	5669	56	28	16
	FEP1	5695	11	32	57
	FEP2	3447	3	15	83
Non-Hispanic		1960	27	24	50
	ELL	847	52	25	23
	FEP1	674	11	28	61
	FEP2	439	3	13	85
White		13747	26	26	48
	ELL	5197	55	28	16
	FEP1	5314	11	32	57
	FEP2	3236	3	15	83
Black or African American		270	37	24	39
	ELL	122	66	17	17
	FEP1	94	18	34	48
	FEP2	54	6	22	72
Asian		656	19	19	63
	ELL	225	48	26	25
	FEP1	232	4	20	76
	FEP2	199	2	9	89
American Indian or Alaskan Native		1308	28	30	42
	ELL	586	53	30	18
	FEP1	472	11	37	51
	FEP2	250	2	14	83
Native Hawaiian or Other Pacific Islander		66	35	21	44
	ELL	37	57	22	22
	FEP1	18	11	28	61
	FEP2	11	0	9	91
Multiple Indication		144	26	26	47
	ELL	59	47	29	24
	FEP1	57	18	30	53
	FEP2	28	0	14	86
Special Education		1346	63	22	15
	ELL	994	79	17	4
	FEP1	269	23	38	39
	FEP2	83	8	33	59
Low SES		14027	27	26	47
	ELL	5534	56	28	17
	FEP1	5330	11	32	57
	FEP2	3163	3	15	82
Migrant		289	35	26	39
	ELL	156	59	24	17
	FEP1	91	8	33	59
	FEP2	42	2	21	76

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

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Table 9.47: Spring 2013 AZELLA Stage III Test Results on Oral at Grade 3

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		16771	26	29	44
	ELL	6516	49	31	21
	FEP1	6369	16	33	51
	FEP2	3886	6	21	73
Hispanic		14811	26	30	44
	ELL	5669	49	31	20
	FEP1	5695	16	34	50
	FEP2	3447	6	22	72
Non-Hispanic		1960	27	26	47
	ELL	847	48	29	23
	FEP1	674	15	29	56
	FEP2	439	6	15	79
White		13747	26	30	44
	ELL	5197	48	31	20
	FEP1	5314	16	34	50
	FEP2	3236	6	22	72
Black or African American		270	34	24	42
	ELL	122	58	21	20
	FEP1	94	17	27	56
	FEP2	54	9	24	67
Asian		656	20	21	59
	ELL	225	47	26	28
	FEP1	232	9	25	66
	FEP2	199	4	11	85
American Indian or Alaskan Native		1308	30	30	40
	ELL	586	51	31	18
	FEP1	472	17	34	49
	FEP2	250	6	18	76
Native Hawaiian or Other Pacific Islander		66	35	29	36
	ELL	37	57	24	19
	FEP1	18	6	44	50
	FEP2	11	9	18	73
Multiple Indication		144	24	32	44
	ELL	59	44	36	20
	FEP1	57	12	33	54
	FEP2	28	4	21	75
Special Education		1346	55	27	18
	ELL	994	66	25	9
	FEP1	269	25	38	38
	FEP2	83	13	18	69
Low SES		14027	27	30	43
	ELL	5534	49	31	20
	FEP1	5330	16	33	50
	FEP2	3163	6	22	72
Migrant		289	34	31	35
	ELL	156	54	28	18
	FEP1	91	13	38	48
	FEP2	42	5	26	69

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

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Table 9.48: Spring 2013 AZELLA Stage III Test Results on Comprehension at Grade 3

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		16771	26	31	43
	ELL	6516	51	33	15
	FEP1	6369	13	37	50
	FEP2	3886	3	19	78
Hispanic		14811	26	32	42
	ELL	5669	52	33	14
	FEP1	5695	13	38	49
	FEP2	3447	3	19	77
Non-Hispanic		1960	24	28	48
	ELL	847	46	32	23
	FEP1	674	10	31	59
	FEP2	439	3	15	82
White		13747	26	32	43
	ELL	5197	52	33	15
	FEP1	5314	13	38	49
	FEP2	3236	3	20	77
Black or African American		270	34	30	36
	ELL	122	59	27	14
	FEP1	94	16	36	48
	FEP2	54	9	24	67
Asian		656	15	21	63
	ELL	225	39	32	29
	FEP1	232	5	21	74
	FEP2	199	1	11	88
American Indian or Alaskan Native		1308	27	33	40
	ELL	586	48	36	16
	FEP1	472	13	38	49
	FEP2	250	3	16	81
Native Hawaiian or Other Pacific Islander		66	35	27	38
	ELL	37	57	30	14
	FEP1	18	11	28	61
	FEP2	11	0	18	82
Multiple Indication		144	21	35	44
	ELL	59	42	39	19
	FEP1	57	9	39	53
	FEP2	28	0	18	82
Special Education		1346	58	26	15
	ELL	994	73	22	5
	FEP1	269	19	44	38
	FEP2	83	8	19	72
Low SES		14027	26	32	42
	ELL	5534	52	33	15
	FEP1	5330	13	37	50
	FEP2	3163	3	20	77
Migrant		289	32	36	32
	ELL	156	50	35	15
	FEP1	91	15	38	46
	FEP2	42	2	31	67

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

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Table 9.49: Spring 2013 AZELLA Stage III Test Results on Literacy at Grade 3

Group	ELL Status	N	*% at Proficiency Levels PE/E/B	I	P
Total		16771	28	27	46
	ELL	6516	56	27	16
	FEP1	6369	13	34	54
	FEP2	3886	3	14	82
Hispanic		14811	28	27	45
	ELL	5669	57	28	15
	FEP1	5695	13	34	53
	FEP2	3447	4	14	82
Non-Hispanic		1960	26	24	51
	ELL	847	49	26	25
	FEP1	674	11	28	61
	FEP2	439	3	13	84
White		13747	27	27	45
	ELL	5197	57	28	15
	FEP1	5314	13	34	53
	FEP2	3236	4	15	82
Black or African American		270	41	21	38
	ELL	122	70	12	17
	FEP1	94	23	31	46
	FEP2	54	7	22	70
Asian		656	16	18	66
	ELL	225	42	24	33
	FEP1	232	4	19	77
	FEP2	199	2	9	89
American Indian or Alaskan Native		1308	28	29	43
	ELL	586	50	32	18
	FEP1	472	14	36	50
	FEP2	250	4	9	87
Native Hawaiian or Other Pacific Islander		66	30	30	39
	ELL	37	49	38	14
	FEP1	18	11	33	56
	FEP2	11	0	0	100
Multiple Indication		144	25	31	44
	ELL	59	46	34	20
	FEP1	57	16	35	49
	FEP2	28	0	18	82
Special Education		1346	62	22	16
	ELL	994	78	17	5
	FEP1	269	22	41	38
	FEP2	83	8	17	75
Low SES		14027	28	27	45
	ELL	5534	57	28	16
	FEP1	5330	13	33	54
	FEP2	3163	4	15	81
Migrant		289	34	28	38
	ELL	156	53	27	20
	FEP1	91	14	34	52
	FEP2	42	5	17	79

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

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Table 9.50: Spring 2013 AZELLA Stage III Test Results on Total Combined at Grade 3

Group	ELL Status	N	*% at Proficiency Level PE/E	B	I	P
Total		16771	7	20	28	45
	ELL	6516	17	39	30	15
	FEP1	6369	1	11	36	53
	FEP2	3886	0	3	15	82
Hispanic		14811	7	20	29	45
	ELL	5669	16	40	30	14
	FEP1	5695	1	11	36	53
	FEP2	3447	0	3	15	82
Non-Hispanic		1960	9	17	26	48
	ELL	847	19	32	27	22
	FEP1	674	0	9	32	59
	FEP2	439	0	2	14	83
White		13747	6	20	29	45
	ELL	5197	17	40	30	14
	FEP1	5314	1	11	36	53
	FEP2	3236	0	3	16	82
Black or African American		270	16	22	26	36
	ELL	122	34	34	16	16
	FEP1	94	1	16	38	45
	FEP2	54	2	6	24	69
Asian		656	6	11	20	63
	ELL	225	17	28	26	28
	FEP1	232	0	3	21	75
	FEP2	199	1	1	10	88
American Indian or Alaskan Native		1308	6	22	31	41
	ELL	586	13	40	33	14
	FEP1	472	1	10	38	51
	FEP2	250	0	2	11	87
Native Hawaiian or Other Pacific Islander		66	9	23	32	36
	ELL	37	16	38	32	14
	FEP1	18	0	6	39	56
	FEP2	11	0	0	18	82
Multiple Indication		144	6	19	32	43
	ELL	59	14	34	36	17
	FEP1	57	0	14	37	49
	FEP2	28	0	0	14	86
Special Education		1346	24	38	24	14
	ELL	994	32	47	18	4
	FEP1	269	2	16	46	35
	FEP2	83	0	8	24	67
Low SES		14027	7	20	29	44
	ELL	5534	17	39	29	14
	FEP1	5330	1	11	35	53
	FEP2	3163	0	3	16	82
Migrant		289	9	28	28	35
	ELL	156	16	43	26	15
	FEP1	91	1	13	38	47
	FEP2	42	0	2	14	83

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

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Table 9.51: Spring 2013 AZELLA Stage III Test Results on Listening at Grade 4

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		12757	29	20	51
	ELL	6309	44	22	34
	FEP1	1304	15	16	69
	FEP2	5144	15	18	67
Hispanic		11167	29	20	50
	ELL	5398	45	22	33
	FEP1	1099	15	17	68
	FEP2	4670	15	18	66
Non-Hispanic		1590	29	18	53
	ELL	911	41	22	37
	FEP1	205	12	13	75
	FEP2	474	13	14	73
White		10228	30	20	51
	ELL	4901	45	22	33
	FEP1	1001	15	16	68
	FEP2	4326	16	18	66
Black or African American		216	42	13	45
	ELL	126	55	17	28
	FEP1	21	24	5	71
	FEP2	69	25	7	68
Asian		469	22	13	64
	ELL	242	38	17	46
	FEP1	73	4	12	84
	FEP2	154	7	9	84
American Indian or Alaskan Native		1132	30	25	46
	ELL	638	42	28	30
	FEP1	106	14	20	66
	FEP2	388	14	20	66
Native Hawaiian or Other Pacific Islander		61	33	13	54
	ELL	41	46	10	44
	FEP1	14	0	29	71
	FEP2	6	*	*	*
Multiple Indication		101	28	20	52
	ELL	48	40	27	33
	FEP1	13	15	0	85
	FEP2	40	18	18	65
Special Education		1203	51	19	30
	ELL	941	59	19	22
	FEP1	56	16	18	66
	FEP2	206	28	18	54
Low SES		10623	30	20	50
	ELL	5217	44	23	33
	FEP1	1044	16	17	68
	FEP2	4362	15	19	66
Migrant		262	35	19	46
	ELL	170	46	19	34
	FEP1	20	15	25	60
	FEP2	72	13	17	71

* 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 9.52: Spring 2013 AZELLA Stage III Test Results on Speaking at Grade 4

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		12757	28	22	51
	ELL	6309	39	22	38
	FEP1	1304	16	20	64
	FEP2	5144	16	21	63
Hispanic		11167	26	21	52
	ELL	5398	38	23	39
	FEP1	1099	16	19	65
	FEP2	4670	15	21	64
Non-Hispanic		1590	35	22	42
	ELL	911	47	22	32
	FEP1	205	20	25	56
	FEP2	474	20	23	57
White		10228	27	22	52
	ELL	4901	39	22	39
	FEP1	1001	15	19	65
	FEP2	4326	16	21	63
Black or African American		216	33	23	44
	ELL	126	45	22	33
	FEP1	21	10	24	67
	FEP2	69	19	25	57
Asian		469	36	22	42
	ELL	242	50	20	30
	FEP1	73	16	22	62
	FEP2	154	22	25	53
American Indian or Alaskan Native		1132	31	24	46
	ELL	638	41	26	33
	FEP1	106	24	30	46
	FEP2	388	15	18	66
Native Hawaiian or Other Pacific Islander		61	34	23	43
	ELL	41	41	24	34
	FEP1	14	14	14	71
	FEP2	6	*	*	*
Multiple Indication		101	33	14	53
	ELL	48	44	15	42
	FEP1	13	15	0	85
	FEP2	40	25	18	58
Special Education		1203	46	25	29
	ELL	941	52	23	25
	FEP1	56	23	25	52
	FEP2	206	25	31	44
Low SES		10623	28	22	50
	ELL	5217	40	23	38
	FEP1	1044	16	20	64
	FEP2	4362	16	22	62
Migrant		262	37	20	43
	ELL	170	49	19	31
	FEP1	20	30	20	50
	FEP2	72	10	22	68

* 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 9.53: Spring 2013 AZELLA Stage III Test Results on Reading at Grade 4

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		12757	26	22	52
	ELL	6309	44	26	30
	FEP1	1304	7	18	75
	FEP2	5144	9	17	74
Hispanic		11167	26	22	52
	ELL	5398	44	26	29
	FEP1	1099	8	18	74
	FEP2	4670	9	17	74
Non-Hispanic		1590	25	21	54
	ELL	911	40	25	35
	FEP1	205	3	14	83
	FEP2	474	8	14	78
White		10228	26	22	52
	ELL	4901	45	26	29
	FEP1	1001	8	17	74
	FEP2	4326	9	17	74
Black or African American		216	33	19	48
	ELL	126	52	24	24
	FEP1	21	0	19	81
	FEP2	69	7	12	81
Asian		469	18	19	63
	ELL	242	33	25	42
	FEP1	73	1	8	90
	FEP2	154	3	14	84
American Indian or Alaskan Native		1132	28	24	48
	ELL	638	42	28	29
	FEP1	106	6	23	72
	FEP2	388	10	19	71
Native Hawaiian or Other Pacific Islander		61	25	20	56
	ELL	41	32	24	44
	FEP1	14	0	7	93
	FEP2	6	*	*	*
Multiple Indication		101	26	24	50
	ELL	48	42	27	31
	FEP1	13	0	23	77
	FEP2	40	15	20	65
Special Education		1203	57	21	22
	ELL	941	67	21	12
	FEP1	56	14	23	63
	FEP2	206	22	23	55
Low SES		10623	26	22	52
	ELL	5217	44	26	29
	FEP1	1044	8	19	74
	FEP2	4362	9	17	74
Migrant		262	29	23	48
	ELL	170	42	28	31
	FEP1	20	5	20	75
	FEP2	72	6	13	82

* 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 9.54: Spring 2013 AZELLA Stage III Test Results on Writing at Grade 4

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		12757	26	15	58
	ELL	6309	44	18	38
	FEP1	1304	9	12	79
	FEP2	5144	9	12	79
Hispanic		11167	26	15	59
	ELL	5398	44	18	37
	FEP1	1099	9	11	79
	FEP2	4670	9	12	78
Non-Hispanic		1590	28	15	56
	ELL	911	43	18	39
	FEP1	205	9	12	79
	FEP2	474	8	12	80
White		10228	26	15	59
	ELL	4901	44	18	37
	FEP1	1001	9	11	80
	FEP2	4326	9	12	78
Black or African American		216	38	14	48
	ELL	126	57	13	30
	FEP1	21	19	19	62
	FEP2	69	9	16	75
Asian		469	22	12	66
	ELL	242	39	17	44
	FEP1	73	3	7	90
	FEP2	154	5	6	90
American Indian or Alaskan Native		1132	30	18	53
	ELL	638	44	20	36
	FEP1	106	11	16	73
	FEP2	388	11	15	74
Native Hawaiian or Other Pacific Islander		61	28	11	61
	ELL	41	37	17	46
	FEP1	14	0	0	100
	FEP2	6	*	*	*
Multiple Indication		101	28	16	56
	ELL	48	42	23	35
	FEP1	13	8	15	77
	FEP2	40	18	8	75
Special Education		1203	57	15	27
	ELL	941	67	15	18
	FEP1	56	20	20	61
	FEP2	206	25	16	59
Low SES		10623	27	15	58
	ELL	5217	45	18	37
	FEP1	1044	10	12	78
	FEP2	4362	9	13	78
Migrant		262	29	9	61
	ELL	170	42	14	44
	FEP1	20	10	0	90
	FEP2	72	4	1	94

* 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 9.55: Spring 2013 AZELLA Stage III Test Results on Language at Grade 4

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		12757	25	19	56
	ELL	6309	43	23	33
	FEP1	1304	7	13	79
	FEP2	5144	7	15	78
Hispanic		11167	24	19	57
	ELL	5398	43	23	33
	FEP1	1099	7	14	79
	FEP2	4670	7	15	79
Non-Hispanic		1590	28	18	54
	ELL	911	43	21	35
	FEP1	205	7	12	80
	FEP2	474	7	15	78
White		10228	24	19	57
	ELL	4901	44	23	33
	FEP1	1001	7	13	80
	FEP2	4326	7	15	79
Black or African American		216	35	14	51
	ELL	126	56	14	30
	FEP1	21	5	14	81
	FEP2	69	7	13	80
Asian		469	22	19	60
	ELL	242	40	23	37
	FEP1	73	1	14	85
	FEP2	154	2	14	84
American Indian or Alaskan Native		1132	29	23	49
	ELL	638	45	26	30
	FEP1	106	10	18	72
	FEP2	388	7	19	74
Native Hawaiian or Other Pacific Islander		61	30	13	57
	ELL	41	39	20	41
	FEP1	14	0	0	100
	FEP2	6	*	*	*
Multiple Indication		101	28	21	51
	ELL	48	42	29	29
	FEP1	13	0	15	85
	FEP2	40	20	13	68
Special Education		1203	58	20	22
	ELL	941	69	17	14
	FEP1	56	16	29	55
	FEP2	206	22	28	50
Low SES		10623	25	19	56
	ELL	5217	44	23	33
	FEP1	1044	8	14	78
	FEP2	4362	7	15	78
Migrant		262	32	16	52
	ELL	170	47	17	36
	FEP1	20	10	15	75
	FEP2	72	4	13	83

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.56: Spring 2013 AZELLA Stage III Test Results on Oral at Grade 4

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		12757	27	28	45
	ELL	6309	43	30	27
	FEP1	1304	11	24	65
	FEP2	5144	12	26	62
Hispanic		11167	27	28	45
	ELL	5398	43	30	27
	FEP1	1099	11	24	65
	FEP2	4670	12	27	62
Non-Hispanic		1590	31	24	45
	ELL	911	45	26	28
	FEP1	205	10	22	68
	FEP2	474	12	22	67
White		10228	27	28	45
	ELL	4901	43	30	27
	FEP1	1001	11	24	65
	FEP2	4326	12	27	61
Black or African American		216	37	25	39
	ELL	126	51	25	24
	FEP1	21	19	14	67
	FEP2	69	16	26	58
Asian		469	26	22	52
	ELL	242	43	26	31
	FEP1	73	3	21	77
	FEP2	154	9	16	75
American Indian or Alaskan Native		1132	31	28	41
	ELL	638	45	30	25
	FEP1	106	15	28	57
	FEP2	388	12	25	63
Native Hawaiian or Other Pacific Islander		61	30	23	48
	ELL	41	41	22	37
	FEP1	14	0	36	64
	FEP2	6	*	*	*
Multiple Indication		101	31	25	45
	ELL	48	40	38	23
	FEP1	13	15	8	77
	FEP2	40	25	15	60
Special Education		1203	51	27	22
	ELL	941	59	26	15
	FEP1	56	16	25	59
	FEP2	206	22	32	46
Low SES		10623	27	28	45
	ELL	5217	43	30	27
	FEP1	1044	12	25	64
	FEP2	4362	12	27	62
Migrant		262	34	24	41
	ELL	170	48	22	30
	FEP1	20	15	50	35
	FEP2	72	8	22	69

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Table 9.57: Spring 2013 AZELLA Stage III Test Results on Comprehension at Grade 4

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		12757	25	27	49
	ELL	6309	43	31	26
	FEP1	1304	6	21	73
	FEP2	5144	7	22	70
Hispanic		11167	25	27	48
	ELL	5398	43	32	25
	FEP1	1099	7	22	72
	FEP2	4670	7	23	70
Non-Hispanic		1590	25	24	52
	ELL	911	39	29	32
	FEP1	205	2	18	80
	FEP2	474	7	16	78
White		10228	25	27	48
	ELL	4901	43	32	25
	FEP1	1001	7	22	72
	FEP2	4326	7	23	69
Black or African American		216	33	23	44
	ELL	126	52	25	22
	FEP1	21	5	14	81
	FEP2	69	7	20	72
Asian		469	19	19	63
	ELL	242	35	26	39
	FEP1	73	1	10	89
	FEP2	154	1	12	87
American Indian or Alaskan Native		1132	26	29	45
	ELL	638	41	34	25
	FEP1	106	3	26	71
	FEP2	388	9	20	71
Native Hawaiian or Other Pacific Islander		61	23	25	52
	ELL	41	32	32	37
	FEP1	14	0	7	93
	FEP2	6	*	*	*
Multiple Indication		101	26	27	48
	ELL	48	38	35	27
	FEP1	13	8	23	69
	FEP2	40	18	18	65
Special Education		1203	56	25	20
	ELL	941	66	23	11
	FEP1	56	13	23	64
	FEP2	206	19	33	49
Low SES		10623	25	27	48
	ELL	5217	43	31	25
	FEP1	1044	7	22	71
	FEP2	4362	8	23	70
Migrant		262	28	27	45
	ELL	170	41	32	26
	FEP1	20	5	25	70
	FEP2	72	4	15	81

* 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 9.58: Spring 2013 AZELLA Stage III Test Results on Literacy at Grade 4

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		12757	23	23	54
	ELL	6309	41	28	31
	FEP1	1304	5	18	77
	FEP2	5144	6	17	76
Hispanic		11167	23	23	54
	ELL	5398	41	29	30
	FEP1	1099	6	18	76
	FEP2	4670	6	18	76
Non-Hispanic		1590	25	22	54
	ELL	911	39	26	34
	FEP1	205	4	16	80
	FEP2	474	6	15	79
White		10228	23	23	54
	ELL	4901	41	29	30
	FEP1	1001	6	18	76
	FEP2	4326	6	18	76
Black or African American		216	33	21	46
	ELL	126	53	22	25
	FEP1	21	0	29	71
	FEP2	69	6	17	77
Asian		469	19	16	65
	ELL	242	34	23	43
	FEP1	73	0	10	90
	FEP2	154	3	8	89
American Indian or Alaskan Native		1132	26	26	48
	ELL	638	41	31	29
	FEP1	106	8	17	75
	FEP2	388	7	20	73
Native Hawaiian or Other Pacific Islander		61	23	26	51
	ELL	41	29	34	37
	FEP1	14	0	7	93
	FEP2	6	*	*	*
Multiple Indication		101	23	26	51
	ELL	48	38	35	27
	FEP1	13	0	23	77
	FEP2	40	13	15	73
Special Education		1203	56	23	21
	ELL	941	66	22	12
	FEP1	56	11	29	61
	FEP2	206	21	27	52
Low SES		10623	24	23	53
	ELL	5217	42	29	30
	FEP1	1044	6	18	76
	FEP2	4362	6	18	76
Migrant		262	27	20	53
	ELL	170	38	27	35
	FEP1	20	10	5	85
	FEP2	72	4	7	89

* 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 9.59: Spring 2013 AZELLA Stage III Test Results on Total Combined at Grade 4

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		12757	8	15	26	51
	ELL	6309	15	26	32	27
	FEP1	1304	1	4	19	77
	FEP2	5144	1	5	20	74
Hispanic		11167	8	15	26	51
	ELL	5398	15	27	33	26
	FEP1	1099	1	4	19	76
	FEP2	4670	1	5	21	74
Non-Hispanic		1590	11	14	23	52
	ELL	911	18	21	30	31
	FEP1	205	0	3	17	80
	FEP2	474	0	6	14	80
White		10228	8	15	26	51
	ELL	4901	15	26	32	26
	FEP1	1001	0	4	19	76
	FEP2	4326	1	5	21	74
Black or African American		216	16	16	21	47
	ELL	126	28	23	25	25
	FEP1	21	0	5	19	76
	FEP2	69	0	7	14	78
Asian		469	8	11	19	62
	ELL	242	16	20	26	38
	FEP1	73	0	0	10	90
	FEP2	154	0	2	10	88
American Indian or Alaskan Native		1132	8	19	29	45
	ELL	638	13	28	37	23
	FEP1	106	0	7	23	71
	FEP2	388	1	7	19	73
Native Hawaiian or Other Pacific Islander		61	10	15	23	52
	ELL	41	15	20	29	37
	FEP1	14	0	0	7	93
	FEP2	6	*	*	*	*
Multiple Indication		101	6	17	28	50
	ELL	48	8	27	40	25
	FEP1	13	0	0	8	92
	FEP2	40	5	10	20	65
Special Education		1203	24	32	25	19
	ELL	941	30	37	23	10
	FEP1	56	0	13	29	59
	FEP2	206	4	14	33	48
Low SES		10623	8	15	26	51
	ELL	5217	16	26	32	26
	FEP1	1044	1	4	19	76
	FEP2	4362	1	5	20	74
Migrant		262	16	10	23	51
	ELL	170	24	15	29	32
	FEP1	20	0	5	15	80
	FEP2	72	0	1	11	88

* 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 9.60: Spring 2013 AZELLA Stage III Test Results on Listening at Grade 5

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		9305	30	15	55
	ELL	4937	44	16	41
	FEP1	2865	15	15	69
	FEP2	1503	12	10	78
Hispanic		8084	30	15	55
	ELL	4198	43	16	40
	FEP1	2537	16	16	68
	FEP2	1349	13	10	77
Non-Hispanic		1221	31	13	56
	ELL	739	45	14	41
	FEP1	328	11	13	77
	FEP2	154	8	7	85
White		7317	30	15	55
	ELL	3820	44	16	40
	FEP1	2332	15	16	69
	FEP2	1165	13	11	77
Black or African American		208	28	13	58
	ELL	133	42	12	46
	FEP1	58	3	17	79
	FEP2	17	6	12	82
Asian		322	25	10	65
	ELL	173	42	9	49
	FEP1	107	7	10	83
	FEP2	42	2	10	88
American Indian or Alaskan Native		832	32	17	51
	ELL	472	43	18	39
	FEP1	224	20	17	63
	FEP2	136	13	10	77
Native Hawaiian or Other Pacific Islander		39	46	15	38
	ELL	31	55	16	29
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		67	30	18	52
	ELL	36	44	17	39
	FEP1	26	15	19	65
	FEP2	5	*	*	*
Special Education		1149	48	14	37
	ELL	912	55	14	31
	FEP1	171	21	17	62
	FEP2	66	26	8	67
Low SES		7832	30	15	55
	ELL	4112	44	16	40
	FEP1	2399	15	16	69
	FEP2	1321	12	10	77
Migrant		217	37	14	48
	ELL	144	49	14	38
	FEP1	48	19	13	69
	FEP2	25	8	20	72

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

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Table 9.61: Spring 2013 AZELLA Stage III Test Results on Speaking at Grade 5

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9305	24	19	57
	ELL	4937	34	22	44
	FEP1	2865	13	16	71
	FEP2	1503	10	16	74
Hispanic		8084	23	19	58
	ELL	4198	32	22	46
	FEP1	2537	13	16	71
	FEP2	1349	9	16	75
Non-Hispanic		1221	32	20	49
	ELL	739	43	23	34
	FEP1	328	14	15	71
	FEP2	154	16	14	71
White		7317	23	19	58
	ELL	3820	33	21	45
	FEP1	2332	13	16	72
	FEP2	1165	10	16	74
Black or African American		208	31	16	53
	ELL	133	40	21	39
	FEP1	58	17	5	78
	FEP2	17	6	12	82
Asian		322	34	17	49
	ELL	173	53	16	31
	FEP1	107	11	19	70
	FEP2	42	12	19	69
American Indian or Alaskan Native		832	25	22	53
	ELL	472	33	28	38
	FEP1	224	16	16	68
	FEP2	136	12	12	76
Native Hawaiian or Other Pacific Islander		39	28	33	38
	ELL	31	32	35	32
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		67	21	25	54
	ELL	36	25	25	50
	FEP1	26	19	23	58
	FEP2	5	*	*	*
Special Education		1149	38	25	37
	ELL	912	43	26	31
	FEP1	171	18	24	58
	FEP2	66	11	21	68
Low SES		7832	23	20	57
	ELL	4112	34	23	43
	FEP1	2399	13	16	71
	FEP2	1321	10	16	74
Migrant		217	37	18	45
	ELL	144	51	16	33
	FEP1	48	10	21	69
	FEP2	25	12	24	64

* 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 9.62: Spring 2013 AZELLA Stage III Test Results on Reading at Grade 5

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9305	25	14	61
	ELL	4937	41	18	41
	FEP1	2865	8	11	81
	FEP2	1503	5	7	88
Hispanic		8084	25	14	61
	ELL	4198	41	19	40
	FEP1	2537	8	11	81
	FEP2	1349	5	7	87
Non-Hispanic		1221	27	12	62
	ELL	739	41	14	45
	FEP1	328	6	8	86
	FEP2	154	4	7	89
White		7317	25	15	60
	ELL	3820	41	19	39
	FEP1	2332	8	11	81
	FEP2	1165	6	7	87
Black or African American		208	29	13	58
	ELL	133	41	16	43
	FEP1	58	10	7	83
	FEP2	17	0	6	94
Asian		322	20	8	71
	ELL	173	36	10	53
	FEP1	107	2	7	91
	FEP2	42	2	2	95
American Indian or Alaskan Native		832	28	13	59
	ELL	472	43	16	41
	FEP1	224	11	9	80
	FEP2	136	4	7	89
Native Hawaiian or Other Pacific Islander		39	33	15	51
	ELL	31	42	19	39
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		67	22	12	66
	ELL	36	39	19	42
	FEP1	26	4	4	92
	FEP2	5	*	*	*
Special Education		1149	54	15	31
	ELL	912	64	15	21
	FEP1	171	12	18	71
	FEP2	66	21	12	67
Low SES		7832	25	14	61
	ELL	4112	42	18	41
	FEP1	2399	8	11	81
	FEP2	1321	5	7	88
Migrant		217	35	14	51
	ELL	144	48	17	35
	FEP1	48	15	10	75
	FEP2	25	0	4	96

* 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 9.63: Spring 2013 AZELLA Stage III Test Results on Writing at Grade 5

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9305	20	18	62
	ELL	4937	34	23	43
	FEP1	2865	6	13	81
	FEP2	1503	4	10	86
Hispanic		8084	20	18	62
	ELL	4198	34	22	43
	FEP1	2537	6	14	81
	FEP2	1349	4	10	86
Non-Hispanic		1221	21	18	60
	ELL	739	32	24	45
	FEP1	328	6	11	83
	FEP2	154	3	8	89
White		7317	20	18	62
	ELL	3820	34	23	43
	FEP1	2332	6	14	81
	FEP2	1165	5	10	85
Black or African American		208	25	22	53
	ELL	133	38	27	35
	FEP1	58	5	16	79
	FEP2	17	0	0	100
Asian		322	19	13	68
	ELL	173	34	18	47
	FEP1	107	3	7	91
	FEP2	42	0	5	95
American Indian or Alaskan Native		832	21	20	59
	ELL	472	33	25	42
	FEP1	224	7	14	79
	FEP2	136	2	11	87
Native Hawaiian or Other Pacific Islander		39	23	15	62
	ELL	31	26	19	55
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		67	18	18	64
	ELL	36	33	17	50
	FEP1	26	0	19	81
	FEP2	5	*	*	*
Special Education		1149	47	21	32
	ELL	912	54	22	24
	FEP1	171	17	18	65
	FEP2	66	26	17	58
Low SES		7832	20	17	62
	ELL	4112	34	22	44
	FEP1	2399	6	14	81
	FEP2	1321	4	9	87
Migrant		217	30	15	55
	ELL	144	41	18	41
	FEP1	48	13	8	79
	FEP2	25	0	8	92

* 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 9.64: Spring 2013 AZELLA Stage III Test Results on Language at Grade 5

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9305	21	16	63
	ELL	4937	36	21	43
	FEP1	2865	5	11	84
	FEP2	1503	3	7	90
Hispanic		8084	21	15	64
	ELL	4198	36	21	43
	FEP1	2537	5	11	84
	FEP2	1349	3	7	89
Non-Hispanic		1221	24	17	59
	ELL	739	38	22	40
	FEP1	328	4	10	87
	FEP2	154	3	7	90
White		7317	21	16	63
	ELL	3820	36	21	43
	FEP1	2332	5	11	84
	FEP2	1165	3	8	89
Black or African American		208	28	15	56
	ELL	133	43	21	36
	FEP1	58	3	7	90
	FEP2	17	0	0	100
Asian		322	22	13	65
	ELL	173	40	19	40
	FEP1	107	2	7	92
	FEP2	42	0	5	95
American Indian or Alaskan Native		832	24	19	57
	ELL	472	38	25	38
	FEP1	224	6	14	80
	FEP2	136	2	10	88
Native Hawaiian or Other Pacific Islander		39	28	21	51
	ELL	31	32	26	42
	FEP1	7	*	*0	*
	FEP2	1	*	*0	*
Multiple Indication		67	19	21	60
	ELL	36	36	25	39
	FEP1	26	0	15	85
	FEP2	5	*	*	*
Special Education		1149	49	20	31
	ELL	912	58	20	22
	FEP1	171	12	22	65
	FEP2	66	15	15	70
Low SES		7832	21	15	63
	ELL	4112	37	21	43
	FEP1	2399	5	10	85
	FEP2	1321	3	7	90
Migrant		217	34	13	53
	ELL	144	47	17	36
	FEP1	48	13	4	83
	FEP2	25	0	4	96

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.65: Spring 2013 AZELLA Stage III Test Results on Oral at Grade 5

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9305	26	23	52
	ELL	4937	40	24	35
	FEP1	2865	10	23	67
	FEP2	1503	7	16	77
Hispanic		8084	25	23	52
	ELL	4198	40	25	36
	FEP1	2537	10	23	67
	FEP2	1349	8	16	76
Non-Hispanic		1221	30	21	49
	ELL	739	44	24	32
	FEP1	328	9	19	73
	FEP2	154	5	14	81
White		7317	25	23	52
	ELL	3820	40	25	35
	FEP1	2332	10	23	67
	FEP2	1165	8	17	76
Black or African American		208	28	18	54
	ELL	133	42	19	39
	FEP1	58	3	19	78
	FEP2	17	0	6	94
Asian		322	26	19	56
	ELL	173	45	21	35
	FEP1	107	5	17	79
	FEP2	42	2	14	83
American Indian or Alaskan Native		832	28	24	47
	ELL	472	41	28	31
	FEP1	224	15	23	63
	FEP2	136	7	15	77
Native Hawaiian or Other Pacific Islander		39	38	26	36
	ELL	31	45	29	26
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		67	24	24	52
	ELL	36	39	19	42
	FEP1	26	8	31	62
	FEP2	5	*	*	*
Special Education		1149	46	22	32
	ELL	912	54	22	24
	FEP1	171	15	26	58
	FEP2	66	12	24	64
Low SES		7832	25	22	52
	ELL	4112	41	24	35
	FEP1	2399	9	23	68
	FEP2	1321	8	16	76
Migrant		217	37	24	40
	ELL	144	51	24	25
	FEP1	48	10	21	69
	FEP2	25	4	28	68

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Table 9.66: Spring 2013 AZELLA Stage III Test Results on Comprehension at Grade 5

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		9305	23	20	57
	ELL	4937	39	26	35
	FEP1	2865	5	16	79
	FEP2	1503	3	11	86
Hispanic		8084	23	21	57
	ELL	4198	39	26	35
	FEP1	2537	6	16	78
	FEP2	1349	3	12	85
Non-Hispanic		1221	24	18	58
	ELL	739	38	22	40
	FEP1	328	3	14	84
	FEP2	154	2	6	92
White		7317	23	21	56
	ELL	3820	39	27	34
	FEP1	2332	6	16	78
	FEP2	1165	3	12	85
Black or African American		208	27	16	57
	ELL	133	40	21	39
	FEP1	58	5	9	86
	FEP2	17	0	6	94
Asian		322	18	16	67
	ELL	173	32	21	46
	FEP1	107	1	10	89
	FEP2	42	0	5	95
American Indian or Alaskan Native		832	25	20	55
	ELL	472	40	25	36
	FEP1	224	6	18	76
	FEP2	136	4	8	88
Native Hawaiian or Other Pacific Islander		39	33	26	41
	ELL	31	42	32	26
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		67	21	13	66
	ELL	36	36	22	42
	FEP1	26	4	4	92
	FEP2	5	*	*	*
Special Education		1149	49	22	28
	ELL	912	60	23	18
	FEP1	171	7	23	70
	FEP2	66	17	14	70
Low SES		7832	23	20	57
	ELL	4112	39	26	35
	FEP1	2399	6	16	79
	FEP2	1321	3	11	86
Migrant		217	32	19	48
	ELL	144	45	24	31
	FEP1	48	10	15	75
	FEP2	25	0	4	96

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Table 9.67: Spring 2013 AZELLA Stage III Test Results on Literacy at Grade 5

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9305	21	16	63
	ELL	4937	37	22	42
	FEP1	2865	4	10	85
	FEP2	1503	3	7	90
Hispanic		8084	21	16	63
	ELL	4198	37	22	41
	FEP1	2537	4	11	85
	FEP2	1349	3	7	90
Non-Hispanic		1221	22	16	62
	ELL	739	34	22	44
	FEP1	328	4	9	87
	FEP2	154	3	6	91
White		7317	21	16	63
	ELL	3820	37	22	41
	FEP1	2332	4	11	85
	FEP2	1165	4	7	89
Black or African American		208	26	18	56
	ELL	133	38	26	36
	FEP1	58	7	5	88
	FEP2	17	0	0	100
Asian		322	19	11	70
	ELL	173	34	16	50
	FEP1	107	3	4	93
	FEP2	42	0	5	95
American Indian or Alaskan Native		832	22	18	60
	ELL	472	36	23	41
	FEP1	224	5	13	82
	FEP2	136	2	7	91
Native Hawaiian or Other Pacific Islander		39	26	23	51
	ELL	31	32	26	42
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		67	19	12	69
	ELL	36	36	14	50
	FEP1	26	0	8	92
	FEP2	5	*	*	*
Special Education		1149	50	20	31
	ELL	912	59	21	21
	FEP1	171	12	16	72
	FEP2	66	18	17	65
Low SES		7832	21	16	63
	ELL	4112	37	21	42
	FEP1	2399	5	11	85
	FEP2	1321	3	7	90
Migrant		217	32	14	54
	ELL	144	44	17	38
	FEP1	48	13	8	79
	FEP2	25	0	4	96

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Table 9.68: Spring 2013 AZELLA Stage III Test Results on Total Combined at Grade 5

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		9305	7	14	19	59
	ELL	4937	14	23	26	37
	FEP1	2865	0	4	14	82
	FEP2	1503	0	2	8	89
Hispanic		8084	7	14	19	60
	ELL	4198	14	24	26	36
	FEP1	2537	0	4	14	82
	FEP2	1349	1	3	8	89
Non-Hispanic		1221	9	14	18	59
	ELL	739	15	22	23	40
	FEP1	328	0	3	12	85
	FEP2	154	0	2	6	92
White		7317	7	14	20	59
	ELL	3820	14	24	27	36
	FEP1	2332	0	4	14	82
	FEP2	1165	1	3	9	88
Black or African American		208	13	14	17	56
	ELL	133	20	20	23	38
	FEP1	58	0	5	10	84
	FEP2	17	0	0	0	100
Asian		322	10	11	11	68
	ELL	173	18	18	16	47
	FEP1	107	0	2	6	93
	FEP2	42	0	0	7	93
American Indian or Alaskan Native		832	7	16	21	56
	ELL	472	12	26	27	35
	FEP1	224	0	5	17	78
	FEP2	136	0	2	7	91
Native Hawaiian or Other Pacific Islander		39	8	18	31	44
	ELL	31	10	23	35	32
	FEP1	7	*	*	*	*
	FEP2	1	*	*	*	*
Multiple Indication		67	4	13	16	66
	ELL	36	8	25	25	42
	FEP1	26	0	0	8	92
	FEP2	5	*	*	*	*
Special Education		1149	19	30	23	27
	ELL	912	24	36	24	16
	FEP1	171	1	9	25	65
	FEP2	66	5	12	15	68
Low SES		7832	7	14	19	60
	ELL	4112	14	24	26	37
	FEP1	2399	0	4	14	82
	FEP2	1321	1	2	8	90
Migrant		217	13	19	17	51
	ELL	144	19	24	23	33
	FEP1	48	0	13	6	81
	FEP2	25	0	0	4	96

* 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 9.69: Spring 2013 AZELLA Stage IV Test Results on Listening at Grade 6

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9134	22	27	51
	ELL	3255	38	30	32
	FEP1	2428	16	27	57
	FEP2	3451	10	25	66
Hispanic		7896	21	27	52
	ELL	2643	37	31	32
	FEP1	2111	16	27	58
	FEP2	3142	10	25	65
Non-Hispanic		1238	28	26	46
	ELL	612	43	27	30
	FEP1	317	16	28	56
	FEP2	309	10	22	68
White		7271	21	27	52
	ELL	2446	38	30	32
	FEP1	1925	16	27	57
	FEP2	2900	10	25	65
Black or African American		208	32	25	43
	ELL	96	50	27	23
	FEP1	67	18	24	58
	FEP2	45	16	20	64
Asian		334	20	24	55
	ELL	169	34	24	41
	FEP1	76	11	29	61
	FEP2	89	2	20	78
American Indian or Alaskan Native		803	24	31	45
	ELL	335	39	33	28
	FEP1	208	16	33	51
	FEP2	260	10	28	62
Native Hawaiian or Other Pacific Islander		38	34	29	37
	ELL	21	48	38	14
	FEP1	10	*	*	*
	FEP2	7	*	*	*
Multiple Indication		51	20	16	65
	ELL	19	32	11	58
	FEP1	13	23	31	46
	FEP2	19	5	11	84
Special Education		986	38	30	32
	ELL	629	49	29	22
	FEP1	186	27	33	39
	FEP2	171	12	29	59
Low SES		7617	22	27	51
	ELL	2654	39	30	31
	FEP1	2035	16	27	57
	FEP2	2928	10	25	66
Migrant		200	20	25	55
	ELL	97	33	27	40
	FEP1	44	9	23	68
	FEP2	59	7	24	69

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Table 9.70: Spring 2013 AZELLA Stage IV Test Results on Speaking at Grade 6

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9134	15	13	72
	ELL	3255	27	17	56
	FEP1	2428	9	12	79
	FEP2	3451	6	10	83
Hispanic		7896	13	13	74
	ELL	2643	25	17	58
	FEP1	2111	9	12	79
	FEP2	3142	7	10	83
Non-Hispanic		1238	22	14	64
	ELL	612	36	17	47
	FEP1	317	11	11	79
	FEP2	309	5	12	83
White		7271	13	13	73
	ELL	2446	25	17	58
	FEP1	1925	9	12	80
	FEP2	2900	7	11	83
Black or African American		208	18	12	70
	ELL	96	36	15	49
	FEP1	67	3	12	85
	FEP2	45	0	7	93
Asian		334	23	11	66
	ELL	169	41	12	47
	FEP1	76	9	11	80
	FEP2	89	1	10	89
American Indian or Alaskan Native		803	17	16	67
	ELL	335	28	22	50
	FEP1	208	13	12	75
	FEP2	260	7	10	82
Native Hawaiian or Other Pacific Islander		38	26	11	63
	ELL	21	43	10	48
	FEP1	10	*	*	*
	FEP2	7	*	*	*
Multiple Indication		51	31	8	61
	ELL	19	53	11	37
	FEP1	13	15	8	77
	FEP2	19	21	5	74
Special Education		986	25	20	55
	ELL	629	31	21	48
	FEP1	186	17	18	65
	FEP2	171	11	16	73
Low SES		7617	15	13	72
	ELL	2654	27	17	56
	FEP1	2035	9	12	79
	FEP2	2928	7	11	82
Migrant		200	21	16	64
	ELL	97	37	21	42
	FEP1	44	9	7	84
	FEP2	59	3	14	83

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

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Table 9.71: Spring 2013 AZELLA Stage IV Test Results on Reading at Grade 6

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9134	20	23	57
	ELL	3255	41	29	30
	FEP1	2428	12	23	65
	FEP2	3451	6	17	78
Hispanic		7896	19	23	58
	ELL	2643	40	29	30
	FEP1	2111	12	24	64
	FEP2	3142	6	16	78
Non-Hispanic		1238	25	23	52
	ELL	612	44	27	29
	FEP1	317	9	20	71
	FEP2	309	5	17	78
White		7271	19	23	58
	ELL	2446	41	29	30
	FEP1	1925	12	24	64
	FEP2	2900	6	17	78
Black or African American		208	26	24	50
	ELL	96	52	26	22
	FEP1	67	3	27	70
	FEP2	45	4	16	80
Asian		334	18	20	62
	ELL	169	33	28	40
	FEP1	76	4	14	82
	FEP2	89	3	10	87
American Indian or Alaskan Native		803	22	24	53
	ELL	335	43	29	28
	FEP1	208	12	23	66
	FEP2	260	5	20	76
Native Hawaiian or Other Pacific Islander		38	42	21	37
	ELL	21	62	24	14
	FEP1	10	*	*	*
	FEP2	7	*	*	*
Multiple Indication		51	18	16	67
	ELL	19	21	26	53
	FEP1	13	31	0	69
	FEP2	19	5	16	79
Special Education		986	43	27	30
	ELL	629	57	27	16
	FEP1	186	23	30	47
	FEP2	171	15	24	61
Low SES		7617	20	23	57
	ELL	2654	42	29	28
	FEP1	2035	11	24	65
	FEP2	2928	6	16	78
Migrant		200	27	19	55
	ELL	97	46	21	33
	FEP1	44	9	32	59
	FEP2	59	7	5	88

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

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Table 9.72: Spring 2013 AZELLA Stage IV Test Results on Writing at Grade 6

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9134	19	20	61
	ELL	3255	42	26	32
	FEP1	2428	9	22	69
	FEP2	3451	4	13	82
Hispanic		7896	18	20	62
	ELL	2643	41	26	33
	FEP1	2111	10	22	69
	FEP2	3142	5	14	82
Non-Hispanic		1238	24	20	56
	ELL	612	44	24	32
	FEP1	317	7	21	71
	FEP2	309	2	10	88
White		7271	18	20	61
	ELL	2446	42	26	32
	FEP1	1925	10	22	68
	FEP2	2900	5	14	82
Black or African American		208	26	22	51
	ELL	96	51	24	25
	FEP1	67	6	24	70
	FEP2	45	4	16	80
Asian		334	21	17	62
	ELL	169	39	25	36
	FEP1	76	5	14	80
	FEP2	89	0	3	97
American Indian or Alaskan Native		803	21	22	57
	ELL	335	41	30	30
	FEP1	208	13	20	68
	FEP2	260	3	15	82
Native Hawaiian or Other Pacific Islander		38	34	18	47
	ELL	21	62	19	19
	FEP1	10	*	*	*
	FEP2	7	*	*	*
Multiple Indication		51	20	16	65
	ELL	19	42	26	32
	FEP1	13	8	15	77
	FEP2	19	5	5	89
Special Education		986	43	27	30
	ELL	629	59	27	14
	FEP1	186	18	32	50
	FEP2	171	12	25	63
Low SES		7617	19	20	61
	ELL	2654	43	26	31
	FEP1	2035	9	22	69
	FEP2	2928	5	13	82
Migrant		200	27	25	49
	ELL	97	40	35	25
	FEP1	44	20	25	55
	FEP2	59	8	8	83

* 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 9.73: Spring 2013 AZELLA Stage IV Test Results on Language at Grade 6

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9134	14	18	68
	ELL	3255	34	29	38
	FEP1	2428	5	17	79
	FEP2	3451	2	10	88
Hispanic		7896	13	18	69
	ELL	2643	32	29	39
	FEP1	2111	5	17	79
	FEP2	3142	2	10	87
Non-Hispanic		1238	22	20	58
	ELL	612	41	28	32
	FEP1	317	7	15	78
	FEP2	309	1	8	91
White		7271	13	18	69
	ELL	2446	33	29	39
	FEP1	1925	4	17	79
	FEP2	2900	2	10	87
Black or African American		208	23	16	61
	ELL	96	47	19	34
	FEP1	67	3	15	82
	FEP2	45	0	13	87
Asian		334	21	19	59
	ELL	169	39	31	30
	FEP1	76	7	13	80
	FEP2	89	0	3	97
American Indian or Alaskan Native		803	16	22	62
	ELL	335	33	33	34
	FEP1	208	8	17	75
	FEP2	260	2	10	88
Native Hawaiian or Other Pacific Islander		38	24	24	53
	ELL	21	38	38	24
	FEP1	10	*	*	*
	FEP2	7	*	*	*
Multiple Indication		51	20	24	57
	ELL	19	47	21	32
	FEP1	13	0	31	69
	FEP2	19	5	21	74
Special Education		986	34	30	37
	ELL	629	48	31	21
	FEP1	186	11	32	57
	FEP2	171	5	24	71
Low SES		7617	14	18	67
	ELL	2654	35	29	36
	FEP1	2035	5	17	79
	FEP2	2928	2	10	88
Migrant		200	19	25	57
	ELL	97	35	35	30
	FEP1	44	7	23	70
	FEP2	59	2	8	90

* 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 9.74: Spring 2013 AZELLA Stage IV Test Results on Oral at Grade 6

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9134	17	24	59
	ELL	3255	34	31	36
	FEP1	2428	9	24	66
	FEP2	3451	6	18	76
Hispanic		7896	16	24	61
	ELL	2643	32	30	37
	FEP1	2111	9	24	67
	FEP2	3142	6	18	76
Non-Hispanic		1238	24	27	49
	ELL	612	40	32	28
	FEP1	317	10	27	63
	FEP2	309	5	20	75
White		7271	16	24	60
	ELL	2446	32	31	37
	FEP1	1925	9	24	67
	FEP2	2900	6	18	76
Black or African American		208	23	26	50
	ELL	96	43	30	27
	FEP1	67	7	24	69
	FEP2	45	4	22	73
Asian		334	20	23	57
	ELL	169	36	28	36
	FEP1	76	7	25	68
	FEP2	89	2	10	88
American Indian or Alaskan Native		803	20	29	51
	ELL	335	37	33	30
	FEP1	208	11	29	60
	FEP2	260	5	23	72
Native Hawaiian or Other Pacific Islander		38	32	34	34
	ELL	21	48	48	5
	FEP1	10	*	*	*
	FEP2	7	*	*	*
Multiple Indication		51	24	24	53
	ELL	19	32	37	32
	FEP1	13	31	8	62
	FEP2	19	11	21	68
Special Education		986	34	31	34
	ELL	629	45	31	24
	FEP1	186	21	34	45
	FEP2	171	8	30	63
Low SES		7617	17	24	59
	ELL	2654	34	31	35
	FEP1	2035	10	24	66
	FEP2	2928	6	19	76
Migrant		200	18	24	59
	ELL	97	35	25	40
	FEP1	44	2	25	73
	FEP2	59	2	20	78

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Table 9.75: Spring 2013 AZELLA Stage IV Test Results on Comprehension at Grade 6

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9134	20	21	59
	ELL	3255	42	28	30
	FEP1	2428	11	22	67
	FEP2	3451	5	14	80
Hispanic		7896	19	21	60
	ELL	2643	42	28	30
	FEP1	2111	11	23	66
	FEP2	3142	5	14	80
Non-Hispanic		1238	26	21	53
	ELL	612	44	26	29
	FEP1	317	12	17	71
	FEP2	309	4	15	82
White		7271	19	21	59
	ELL	2446	42	28	30
	FEP1	1925	12	23	66
	FEP2	2900	6	14	80
Black or African American		208	27	21	51
	ELL	96	51	27	22
	FEP1	67	10	15	75
	FEP2	45	2	18	80
Asian		334	21	16	62
	ELL	169	38	22	40
	FEP1	76	7	14	79
	FEP2	89	2	8	90
American Indian or Alaskan Native		803	22	24	54
	ELL	335	42	31	27
	FEP1	208	13	23	64
	FEP2	260	4	17	79
Native Hawaiian or Other Pacific Islander		38	42	18	39
	ELL	21	67	24	10
	FEP1	10	*	*	*
	FEP2	7	*	*	*
Multiple Indication		51	18	18	65
	ELL	19	32	16	53
	FEP1	13	23	15	62
	FEP2	19	0	21	79
Special Education		986	44	26	30
	ELL	629	59	26	15
	FEP1	186	23	30	48
	FEP2	171	12	23	64
Low SES		7617	20	21	59
	ELL	2654	44	28	29
	FEP1	2035	11	23	67
	FEP2	2928	5	14	80
Migrant		200	23	22	56
	ELL	97	43	26	31
	FEP1	44	5	27	68
	FEP2	59	3	10	86

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Table 9.76: Spring 2013 AZELLA Stage IV Test Results on Literacy at Grade 6

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		9134	18	19	63
	ELL	3255	41	26	32
	FEP1	2428	8	20	71
	FEP2	3451	3	12	85
Hispanic		7896	17	19	64
	ELL	2643	40	27	32
	FEP1	2111	9	21	71
	FEP2	3142	3	12	85
Non-Hispanic		1238	24	18	58
	ELL	612	45	23	33
	FEP1	317	6	18	76
	FEP2	309	2	10	88
White		7271	18	19	63
	ELL	2446	41	27	32
	FEP1	1925	9	21	70
	FEP2	2900	4	12	85
Black or African American		208	26	17	57
	ELL	96	53	24	23
	FEP1	67	3	15	82
	FEP2	45	2	4	93
Asian		334	19	16	65
	ELL	169	35	24	41
	FEP1	76	4	11	86
	FEP2	89	0	7	93
American Indian or Alaskan Native		803	21	20	60
	ELL	335	42	26	32
	FEP1	208	11	18	72
	FEP2	260	2	13	86
Native Hawaiian or Other Pacific Islander		38	34	24	42
	ELL	21	62	19	19
	FEP1	10	*	*	*
	FEP2	7	*	*	*
Multiple Indication		51	14	18	69
	ELL	19	26	26	47
	FEP1	13	15	15	69
	FEP2	19	0	11	89
Special Education		986	44	25	31
	ELL	629	60	25	15
	FEP1	186	22	27	51
	FEP2	171	12	21	67
Low SES		7617	18	19	63
	ELL	2654	43	27	31
	FEP1	2035	8	20	72
	FEP2	2928	3	12	85
Migrant		200	26	21	54
	ELL	97	45	24	31
	FEP1	44	14	27	59
	FEP2	59	3	10	86

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

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Table 9.77: Spring 2013 AZELLA Stage IV Test Results on Total Combined at Grade 6

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		9134	4	11	24	60
	ELL	3255	11	27	33	29
	FEP1	2428	0	5	25	69
	FEP2	3451	0	2	14	84
Hispanic		7896	4	11	24	62
	ELL	2643	10	26	35	29
	FEP1	2111	0	5	26	69
	FEP2	3142	0	2	14	84
Non-Hispanic		1238	8	15	24	53
	ELL	612	15	28	29	28
	FEP1	317	1	3	25	71
	FEP2	309	0	1	15	84
White		7271	4	11	24	61
	ELL	2446	10	27	35	28
	FEP1	1925	0	5	26	68
	FEP2	2900	0	2	14	84
Black or African American		208	8	14	25	53
	ELL	96	18	31	32	19
	FEP1	67	0	0	21	79
	FEP2	45	0	0	13	87
Asian		334	9	11	19	62
	ELL	169	17	20	26	37
	FEP1	76	0	4	14	82
	FEP2	89	0	0	8	92
American Indian or Alaskan Native		803	5	13	28	55
	ELL	335	10	28	35	27
	FEP1	208	1	4	28	67
	FEP2	260	0	2	18	80
Native Hawaiian or Other Pacific Islander		38	8	29	21	42
	ELL	21	14	52	24	10
	FEP1	10	*	*	*	*
	FEP2	7	*	*	*	*
Multiple Indication		51	2	14	27	57
	ELL	19	5	26	32	37
	FEP1	13	0	15	31	54
	FEP2	19	0	0	21	79
Special Education		986	9	30	33	28
	ELL	629	14	41	32	12
	FEP1	186	1	15	40	45
	FEP2	171	0	5	29	66
Low SES		7617	4	12	24	60
	ELL	2654	11	28	34	27
	FEP1	2035	0	5	25	69
	FEP2	2928	0	2	14	84
Migrant		200	5	16	25	56
	ELL	97	9	30	31	30
	FEP1	44	0	2	32	66
	FEP2	59	0	2	8	90

* 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 9.78: Spring 2013 AZELLA Stage IV Test Results on Listening at Grade 7

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		6098	20	25	55
	ELL	1693	41	28	31
	FEP1	2039	15	24	61
	FEP2	2366	10	24	66
Hispanic		5164	19	25	56
	ELL	1290	40	29	32
	FEP1	1717	15	24	61
	FEP2	2157	10	24	66
Non-Hispanic		934	26	23	50
	ELL	403	46	25	29
	FEP1	322	14	24	62
	FEP2	209	8	18	74
White		4747	20	25	55
	ELL	1196	40	29	31
	FEP1	1577	15	24	61
	FEP2	1974	10	24	65
Black or African American		146	33	23	44
	ELL	74	55	28	16
	FEP1	41	12	17	71
	FEP2	31	6	19	74
Asian		246	25	17	57
	ELL	124	45	17	38
	FEP1	63	5	24	71
	FEP2	59	5	12	83
American Indian or Alaskan Native		554	23	25	51
	ELL	150	53	21	26
	FEP1	219	16	28	56
	FEP2	185	8	26	65
Native Hawaiian or Other Pacific Islander		55	25	25	49
	ELL	23	35	39	26
	FEP1	24	21	21	58
	FEP2	8	*	*	*
Multiple Indication		29	21	28	52
	ELL	14	29	43	29
	FEP1	9	*	*	*
	FEP2	6	*	*	*
Special Education		842	32	29	39
	ELL	340	49	31	20
	FEP1	297	25	29	47
	FEP2	205	17	24	59
Low SES		5113	20	25	55
	ELL	1386	42	27	31
	FEP1	1683	15	24	60
	FEP2	2044	10	24	66
Migrant		172	28	26	46
	ELL	73	47	27	26
	FEP1	39	13	28	59
	FEP2	60	15	23	62

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Table 9.79: Spring 2013 AZELLA Stage IV Test Results on Speaking at Grade 7

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		6098	19	13	68
	ELL	1693	40	16	44
	FEP1	2039	13	13	74
	FEP2	2366	9	10	81
Hispanic		5164	17	13	70
	ELL	1290	38	16	46
	FEP1	1717	12	13	75
	FEP2	2157	9	11	80
Non-Hispanic		934	27	14	58
	ELL	403	46	17	37
	FEP1	322	17	15	68
	FEP2	209	8	9	83
White		4747	18	13	69
	ELL	1196	38	17	45
	FEP1	1577	12	13	75
	FEP2	1974	9	11	80
Black or African American		146	25	14	60
	ELL	74	45	16	39
	FEP1	41	10	15	76
	FEP2	31	0	10	90
Asian		246	28	11	61
	ELL	124	49	15	36
	FEP1	63	10	10	81
	FEP2	59	3	5	92
American Indian or Alaskan Native		554	23	15	62
	ELL	150	45	16	39
	FEP1	219	20	17	63
	FEP2	185	9	11	80
Native Hawaiian or Other Pacific Islander		55	25	18	56
	ELL	23	39	13	48
	FEP1	24	17	29	54
	FEP2	8	*	*	*
Multiple Indication		29	28	10	62
	ELL	14	50	7	43
	FEP1	9	*	*	*
	FEP2	6	*	*	*
Special Education		842	22	20	58
	ELL	340	31	21	48
	FEP1	297	22	21	58
	FEP2	205	9	18	73
Low SES		5113	19	13	68
	ELL	1386	41	16	43
	FEP1	1683	12	13	74
	FEP2	2044	9	11	80
Migrant		172	27	12	61
	ELL	73	48	14	38
	FEP1	39	18	21	62
	FEP2	60	8	3	88

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Table 9.80: Spring 2013 AZELLA Stage IV Test Results on Reading at Grade 7

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		6098	20	21	60
	ELL	1693	47	24	29
	FEP1	2039	13	23	64
	FEP2	2366	6	16	78
Hispanic		5164	18	21	61
	ELL	1290	47	24	30
	FEP1	1717	13	23	63
	FEP2	2157	6	17	77
Non-Hispanic		934	27	21	53
	ELL	403	49	23	27
	FEP1	322	11	24	65
	FEP2	209	6	11	83
White		4747	19	21	60
	ELL	1196	48	23	29
	FEP1	1577	14	23	63
	FEP2	1974	6	17	77
Black or African American		146	36	18	45
	ELL	74	65	20	15
	FEP1	41	10	15	76
	FEP2	31	3	19	77
Asian		246	22	15	63
	ELL	124	44	21	35
	FEP1	63	0	13	87
	FEP2	59	0	7	93
American Indian or Alaskan Native		554	21	25	54
	ELL	150	48	27	25
	FEP1	219	14	30	57
	FEP2	185	9	17	75
Native Hawaiian or Other Pacific Islander		55	18	25	56
	ELL	23	30	30	39
	FEP1	24	13	25	63
	FEP2	8	*	*	*
Multiple Indication		29	28	24	48
	ELL	14	57	21	21
	FEP1	9	*	*	*
	FEP2	6	*	*	*
Special Education		842	37	26	37
	ELL	340	63	24	14
	FEP1	297	25	30	45
	FEP2	205	11	23	66
Low SES		5113	19	21	60
	ELL	1386	47	24	29
	FEP1	1683	12	24	63
	FEP2	2044	6	16	78
Migrant		172	23	24	53
	ELL	73	51	27	22
	FEP1	39	5	36	59
	FEP2	60	0	13	87

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Table 9.81: Spring 2013 AZELLA Stage IV Test Results on Writing at Grade 7

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		6098	18	18	64
	ELL	1693	48	25	27
	FEP1	2039	9	20	71
	FEP2	2366	4	11	85
Hispanic		5164	17	17	66
	ELL	1290	49	24	28
	FEP1	1717	9	20	71
	FEP2	2157	4	11	85
Non-Hispanic		934	24	21	55
	ELL	403	48	28	24
	FEP1	322	9	20	71
	FEP2	209	1	10	89
White		4747	17	17	65
	ELL	1196	50	24	27
	FEP1	1577	9	20	71
	FEP2	1974	4	11	84
Black or African American		146	29	25	46
	ELL	74	55	27	18
	FEP1	41	5	27	68
	FEP2	31	0	16	84
Asian		246	24	19	57
	ELL	124	46	32	22
	FEP1	63	2	8	90
	FEP2	59	2	3	95
American Indian or Alaskan Native		554	19	19	62
	ELL	150	48	24	28
	FEP1	219	11	23	66
	FEP2	185	4	11	84
Native Hawaiian or Other Pacific Islander		55	18	25	56
	ELL	23	30	52	17
	FEP1	24	13	8	79
	FEP2	8	*	*	*
Multiple Indication		29	31	14	55
	ELL	14	50	21	29
	FEP1	9	*	*	*
	FEP2	6	*	*	*
Special Education		842	33	24	43
	ELL	340	60	25	15
	FEP1	297	18	30	52
	FEP2	205	11	13	76
Low SES		5113	18	18	64
	ELL	1386	50	25	25
	FEP1	1683	9	21	70
	FEP2	2044	4	11	85
Migrant		172	25	15	60
	ELL	73	52	21	27
	FEP1	39	10	10	79
	FEP2	60	2	12	87

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Table 9.82: Spring 2013 AZELLA Stage IV Test Results on Language at Grade 7

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		6098	15	17	68
	ELL	1693	45	26	29
	FEP1	2039	5	18	77
	FEP2	2366	2	9	88
Hispanic		5164	13	16	70
	ELL	1290	43	26	31
	FEP1	1717	5	18	77
	FEP2	2157	2	10	88
Non-Hispanic		934	25	19	56
	ELL	403	50	27	23
	FEP1	322	8	19	73
	FEP2	209	1	5	94
White		4747	14	17	70
	ELL	1196	45	26	30
	FEP1	1577	5	18	77
	FEP2	1974	2	10	88
Black or African American		146	28	18	53
	ELL	74	55	22	23
	FEP1	41	0	24	76
	FEP2	31	0	3	97
Asian		246	26	18	56
	ELL	124	50	28	22
	FEP1	63	2	13	86
	FEP2	59	2	2	97
American Indian or Alaskan Native		554	17	20	63
	ELL	150	45	31	23
	FEP1	219	10	22	68
	FEP2	185	2	10	88
Native Hawaiian or Other Pacific Islander		55	16	36	47
	ELL	23	35	57	9
	FEP1	24	4	25	71
	FEP2	8	*	*	*
Multiple Indication		29	31	7	62
	ELL	14	57	7	36
	FEP1	9	*	*	*
	FEP2	6	*	*	*
Special Education		842	25	30	44
	ELL	340	50	35	16
	FEP1	297	11	33	55
	FEP2	205	5	19	76
Low SES		5113	15	17	68
	ELL	1386	46	25	28
	FEP1	1683	5	19	76
	FEP2	2044	2	10	88
Migrant		172	20	21	59
	ELL	73	45	30	25
	FEP1	39	0	21	79
	FEP2	60	2	10	88

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Table 9.83: Spring 2013 AZELLA Stage IV Test Results on Oral at Grade 7

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		6098	18	22	60
	ELL	1693	43	26	32
	FEP1	2039	10	23	66
	FEP2	2366	6	19	74
Hispanic		5164	16	23	61
	ELL	1290	40	27	33
	FEP1	1717	10	23	67
	FEP2	2157	6	20	74
Non-Hispanic		934	28	21	51
	ELL	403	50	22	27
	FEP1	322	14	24	62
	FEP2	209	5	15	80
White		4747	17	23	61
	ELL	1196	41	26	32
	FEP1	1577	10	23	67
	FEP2	1974	7	20	73
Black or African American		146	30	23	47
	ELL	74	58	22	20
	FEP1	41	2	27	71
	FEP2	31	0	19	81
Asian		246	26	17	57
	ELL	124	49	19	31
	FEP1	63	5	17	78
	FEP2	59	2	10	88
American Indian or Alaskan Native		554	22	24	53
	ELL	150	53	23	24
	FEP1	219	16	27	57
	FEP2	185	5	21	74
Native Hawaiian or Other Pacific Islander		55	24	27	49
	ELL	23	35	35	30
	FEP1	24	21	25	54
	FEP2	8	*	*	*
Multiple Indication		29	21	24	55
	ELL	14	36	36	29
	FEP1	9	*	*	*
	FEP2	6	*	*	*
Special Education		842	28	30	42
	ELL	340	43	33	24
	FEP1	297	22	32	46
	FEP2	205	13	22	65
Low SES		5113	18	22	60
	ELL	1386	43	25	32
	FEP1	1683	11	23	67
	FEP2	2044	7	19	74
Migrant		172	23	27	51
	ELL	73	41	30	29
	FEP1	39	13	26	62
	FEP2	60	7	23	70

* 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 9.84: Spring 2013 AZELLA Stage IV Test Results on Comprehension at Grade 7

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		6098	20	19	62
	ELL	1693	48	23	29
	FEP1	2039	12	22	67
	FEP2	2366	6	13	80
Hispanic		5164	18	19	63
	ELL	1290	47	23	31
	FEP1	1717	12	22	66
	FEP2	2157	7	14	80
Non-Hispanic		934	27	19	54
	ELL	403	52	23	25
	FEP1	322	11	21	68
	FEP2	209	4	10	86
White		4747	19	19	62
	ELL	1196	48	23	29
	FEP1	1577	12	22	66
	FEP2	1974	7	13	80
Black or African American		146	35	18	47
	ELL	74	66	15	19
	FEP1	41	2	22	76
	FEP2	31	3	19	77
Asian		246	24	14	62
	ELL	124	46	21	33
	FEP1	63	0	13	87
	FEP2	59	3	2	95
American Indian or Alaskan Native		554	21	25	54
	ELL	150	51	29	20
	FEP1	219	14	26	60
	FEP2	185	5	20	75
Native Hawaiian or Other Pacific Islander		55	27	18	55
	ELL	23	43	26	30
	FEP1	24	21	17	63
	FEP2	8	*	*	*
Multiple Indication		29	28	21	52
	ELL	14	50	29	21
	FEP1	9	*	*	*
	FEP2	6	*	*	*
Special Education		842	36	26	39
	ELL	340	62	26	12
	FEP1	297	21	32	47
	FEP2	205	14	16	70
Low SES		5113	19	19	62
	ELL	1386	48	23	29
	FEP1	1683	12	22	66
	FEP2	2044	6	14	80
Migrant		172	24	20	55
	ELL	73	49	27	23
	FEP1	39	10	23	67
	FEP2	60	3	10	87

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Table 9.85: Spring 2013 AZELLA Stage IV Test Results on Literacy at Grade 7

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		6098	17	18	65
	ELL	1693	48	25	28
	FEP1	2039	9	20	71
	FEP2	2366	3	11	86
Hispanic		5164	16	17	67
	ELL	1290	48	24	29
	FEP1	1717	9	20	71
	FEP2	2157	3	11	86
Non-Hispanic		934	24	20	56
	ELL	403	48	27	26
	FEP1	322	9	20	72
	FEP2	209	1	7	91
White		4747	17	18	66
	ELL	1196	49	24	27
	FEP1	1577	9	21	71
	FEP2	1974	3	11	85
Black or African American		146	31	21	49
	ELL	74	59	24	16
	FEP1	41	2	22	76
	FEP2	31	0	10	90
Asian		246	21	17	62
	ELL	124	41	30	29
	FEP1	63	2	5	94
	FEP2	59	0	3	97
American Indian or Alaskan Native		554	18	21	61
	ELL	150	47	28	25
	FEP1	219	11	23	65
	FEP2	185	3	11	86
Native Hawaiian or Other Pacific Islander		55	18	27	55
	ELL	23	30	43	26
	FEP1	24	13	21	67
	FEP2	8	*	*	*
Multiple Indication		29	28	17	55
	ELL	14	57	14	29
	FEP1	9	*	*	*
	FEP2	6	*	*	*
Special Education		842	33	26	41
	ELL	340	63	25	12
	FEP1	297	17	32	51
	FEP2	205	9	17	74
Low SES		5113	17	18	65
	ELL	1386	48	25	27
	FEP1	1683	8	21	71
	FEP2	2044	3	11	86
Migrant		172	25	19	56
	ELL	73	55	29	16
	FEP1	39	5	21	74
	FEP2	60	2	5	93

* 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 9.86: Spring 2013 AZELLA Stage IV Test Results on Total Combined at Grade 7

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		6098	5	11	21	63
	ELL	1693	17	30	27	26
	FEP1	2039	0	6	25	69
	FEP2	2366	0	2	13	85
Hispanic		5164	4	10	21	65
	ELL	1290	16	29	27	27
	FEP1	1717	0	6	25	69
	FEP2	2157	0	3	13	84
Non-Hispanic		934	8	17	21	54
	ELL	403	19	34	25	23
	FEP1	322	0	7	25	68
	FEP2	209	0	1	9	90
White		4747	4	11	21	64
	ELL	1196	17	30	27	26
	FEP1	1577	0	6	25	69
	FEP2	1974	0	3	14	84
Black or African American		146	16	16	19	49
	ELL	74	31	31	22	16
	FEP1	41	0	0	24	76
	FEP2	31	0	0	6	94
Asian		246	9	16	15	60
	ELL	124	19	31	23	27
	FEP1	63	0	0	8	92
	FEP2	59	0	0	5	95
American Indian or Alaskan Native		554	4	15	24	58
	ELL	150	13	39	29	19
	FEP1	219	0	9	31	61
	FEP2	185	0	2	12	85
Native Hawaiian or Other Pacific Islander		55	0	16	36	47
	ELL	23	0	35	48	17
	FEP1	24	0	4	38	58
	FEP2	8	*	*	*	*
Multiple Indication		29	10	21	17	52
	ELL	14	21	36	21	21
	FEP1	9	*	*	*	*
	FEP2	6	*	*	*	*
Special Education		842	5	25	32	38
	ELL	340	12	46	32	9
	FEP1	297	1	13	39	47
	FEP2	205	0	6	20	74
Low SES		5113	5	11	21	63
	ELL	1386	17	30	27	25
	FEP1	1683	0	6	26	69
	FEP2	2044	0	2	13	85
Migrant		172	8	13	24	55
	ELL	73	19	29	34	18
	FEP1	39	0	5	26	69
	FEP2	60	0	0	10	90

* 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 9.87: Spring 2013 AZELLA Stage IV Test Results on Listening at Grade 8

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		4349	18	21	61
	ELL	1264	38	23	38
	FEP1	958	10	20	70
	FEP2	2127	10	20	70
Hispanic		3539	17	21	62
	ELL	930	37	23	40
	FEP1	772	10	22	69
	FEP2	1837	10	21	70
Non-Hispanic		810	24	19	57
	ELL	334	42	24	34
	FEP1	186	9	15	76
	FEP2	290	12	16	72
White		3228	17	22	61
	ELL	848	36	24	41
	FEP1	694	10	22	68
	FEP2	1686	10	21	69
Black or African American		150	26	16	58
	ELL	60	53	18	28
	FEP1	37	8	14	78
	FEP2	53	8	15	77
Asian		216	21	17	62
	ELL	105	35	27	38
	FEP1	42	5	7	88
	FEP2	69	9	9	83
American Indian or Alaskan Native		405	25	20	55
	ELL	120	50	23	28
	FEP1	100	12	20	68
	FEP2	185	16	19	65
Native Hawaiian or Other Pacific Islander		52	25	17	58
	ELL	29	41	28	31
	FEP1	16	6	6	88
	FEP2	7	*	*	*
Multiple Indication		37	22	24	54
	ELL	11	36	27	36
	FEP1	9	*	*	*
	FEP2	17	6	29	65
Special Education		642	30	26	44
	ELL	226	49	26	25
	FEP1	129	22	29	49
	FEP2	287	20	24	57
Low SES		3700	18	21	61
	ELL	1040	39	24	38
	FEP1	798	10	21	70
	FEP2	1862	9	20	70
Migrant		131	15	20	65
	ELL	47	32	15	53
	FEP1	22	5	5	91
	FEP2	62	6	29	65

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

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Table 9.88: Spring 2013 AZELLA Stage IV Test Results on Speaking at Grade 8

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		4349	21	13	66
	ELL	1264	44	17	39
	FEP1	958	13	11	76
	FEP2	2127	11	12	77
Hispanic		3539	19	14	68
	ELL	930	41	18	41
	FEP1	772	11	12	77
	FEP2	1837	11	12	77
Non-Hispanic		810	31	13	56
	ELL	334	53	17	31
	FEP1	186	20	6	73
	FEP2	290	13	12	76
White		3228	19	14	68
	ELL	848	41	18	42
	FEP1	694	11	12	77
	FEP2	1686	11	12	77
Black or African American		150	23	11	65
	ELL	60	50	15	35
	FEP1	37	11	11	78
	FEP2	53	2	8	91
Asian		216	33	11	56
	ELL	105	62	13	25
	FEP1	42	7	10	83
	FEP2	69	6	7	87
American Indian or Alaskan Native		405	29	14	57
	ELL	120	48	18	34
	FEP1	100	30	5	65
	FEP2	185	17	16	68
Native Hawaiian or Other Pacific Islander		52	33	17	50
	ELL	29	48	24	28
	FEP1	16	13	13	75
	FEP2	7	*	*	*
Multiple Indication		37	22	19	59
	ELL	11	36	27	36
	FEP1	9	*	*	*
	FEP2	17	18	12	71
Special Education		642	23	16	61
	ELL	226	36	19	45
	FEP1	129	14	16	71
	FEP2	287	17	14	70
Low SES		3700	21	13	66
	ELL	1040	44	17	39
	FEP1	798	13	10	77
	FEP2	1862	11	12	77
Migrant		131	29	12	59
	ELL	47	53	15	32
	FEP1	22	27	9	64
	FEP2	62	11	11	77

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Table 9.89: Spring 2013 AZELLA Stage IV Test Results on Reading at Grade 8

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		4349	16	18	66
	ELL	1264	39	23	38
	FEP1	958	7	18	75
	FEP2	2127	6	15	79
Hispanic		3539	15	18	67
	ELL	930	38	23	39
	FEP1	772	7	17	75
	FEP2	1837	7	16	78
Non-Hispanic		810	20	17	63
	ELL	334	41	23	36
	FEP1	186	6	19	75
	FEP2	290	4	10	86
White		3228	15	18	67
	ELL	848	38	23	40
	FEP1	694	7	19	74
	FEP2	1686	7	16	78
Black or African American		150	26	17	57
	ELL	60	60	20	20
	FEP1	37	5	22	73
	FEP2	53	2	9	89
Asian		216	19	12	70
	ELL	105	38	16	46
	FEP1	42	0	12	88
	FEP2	69	0	4	96
American Indian or Alaskan Native		405	17	21	62
	ELL	120	38	31	32
	FEP1	100	9	18	73
	FEP2	185	8	16	76
Native Hawaiian or Other Pacific Islander		52	15	23	62
	ELL	29	24	24	52
	FEP1	16	6	19	75
	FEP2	7	*	*	*
Multiple Indication		37	11	24	65
	ELL	11	27	36	36
	FEP1	9	*	*	*
	FEP2	17	0	12	88
Special Education		642	28	27	45
	ELL	226	54	27	19
	FEP1	129	21	27	52
	FEP2	287	9	28	63
Low SES		3700	16	18	66
	ELL	1040	40	23	37
	FEP1	798	7	19	75
	FEP2	1862	6	15	79
Migrant		131	19	13	68
	ELL	47	43	15	43
	FEP1	22	5	9	86
	FEP2	62	6	13	81

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Table 9.90: Spring 2013 AZELLA Stage IV Test Results on Writing at Grade 8

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		4349	15	16	69
	ELL	1264	41	22	36
	FEP1	958	6	14	80
	FEP2	2127	4	12	84
Hispanic		3539	14	16	70
	ELL	930	40	23	37
	FEP1	772	6	14	80
	FEP2	1837	4	13	83
Non-Hispanic		810	21	15	64
	ELL	334	45	21	34
	FEP1	186	5	13	82
	FEP2	290	4	9	87
White		3228	14	16	70
	ELL	848	41	23	37
	FEP1	694	6	15	79
	FEP2	1686	4	13	83
Black or African American		150	26	16	58
	ELL	60	55	17	28
	FEP1	37	3	24	73
	FEP2	53	9	9	81
Asian		216	20	15	65
	ELL	105	41	22	37
	FEP1	42	0	14	86
	FEP2	69	1	4	94
American Indian or Alaskan Native		405	15	14	71
	ELL	120	38	25	37
	FEP1	100	7	8	85
	FEP2	185	3	11	86
Native Hawaiian or Other Pacific Islander		52	21	10	69
	ELL	29	34	17	48
	FEP1	16	6	0	94
	FEP2	7	*	*	*
Multiple Indication		37	16	16	68
	ELL	11	27	27	45
	FEP1	9	*	*	*
	FEP2	17	6	12	82
Special Education		642	26	24	50
	ELL	226	56	25	19
	FEP1	129	16	22	62
	FEP2	287	7	24	69
Low SES		3700	15	16	69
	ELL	1040	42	23	35
	FEP1	798	6	14	80
	FEP2	1862	4	13	83
Migrant		131	14	19	67
	ELL	47	34	23	43
	FEP1	22	5	18	77
	FEP2	62	2	16	82

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Table 9.91: Spring 2013 AZELLA Stage IV Test Results on Language at Grade 8

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		4349	14	14	72
	ELL	1264	42	21	36
	FEP1	958	4	11	85
	FEP2	2127	2	10	87
Hispanic		3539	13	13	74
	ELL	930	40	22	38
	FEP1	772	4	11	86
	FEP2	1837	2	10	87
Non-Hispanic		810	22	16	63
	ELL	334	47	21	32
	FEP1	186	5	15	81
	FEP2	290	3	10	87
White		3228	13	14	74
	ELL	848	41	21	38
	FEP1	694	4	12	84
	FEP2	1686	2	10	87
Black or African American		150	25	13	62
	ELL	60	58	17	25
	FEP1	37	0	16	84
	FEP2	53	4	8	89
Asian		216	22	15	63
	ELL	105	44	25	31
	FEP1	42	2	7	90
	FEP2	69	1	4	94
American Indian or Alaskan Native		405	15	17	68
	ELL	120	39	23	38
	FEP1	100	8	12	80
	FEP2	185	3	15	82
Native Hawaiian or Other Pacific Islander		52	19	17	63
	ELL	29	31	28	41
	FEP1	16	6	6	88
	FEP2	7	*	*	*
Multiple Indication		37	8	19	73
	ELL	11	18	45	36
	FEP1	9	*	*	*
	FEP2	17	0	6	94
Special Education		642	20	23	57
	ELL	226	46	31	23
	FEP1	129	12	17	71
	FEP2	287	4	20	76
Low SES		3700	14	14	72
	ELL	1040	43	21	35
	FEP1	798	4	11	85
	FEP2	1862	2	10	87
Migrant		131	17	13	70
	ELL	47	45	11	45
	FEP1	22	0	9	91
	FEP2	62	2	16	82

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Table 9.92: Spring 2013 AZELLA Stage IV Test Results on Oral at Grade 8

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		4349	18	20	62
	ELL	1264	44	22	34
	FEP1	958	6	21	72
	FEP2	2127	8	18	74
Hispanic		3539	16	20	64
	ELL	930	41	23	36
	FEP1	772	6	22	73
	FEP2	1837	8	18	74
Non-Hispanic		810	27	19	54
	ELL	334	51	21	28
	FEP1	186	10	19	71
	FEP2	290	9	18	73
White		3228	16	21	63
	ELL	848	41	23	36
	FEP1	694	5	23	72
	FEP2	1686	8	18	74
Black or African American		150	24	16	60
	ELL	60	55	18	27
	FEP1	37	3	19	78
	FEP2	53	4	11	85
Asian		216	25	16	59
	ELL	105	50	20	30
	FEP1	42	2	12	86
	FEP2	69	0	13	87
American Indian or Alaskan Native		405	27	20	53
	ELL	120	54	21	25
	FEP1	100	18	19	63
	FEP2	185	15	20	65
Native Hawaiian or Other Pacific Islander		52	23	25	52
	ELL	29	41	31	28
	FEP1	16	0	19	81
	FEP2	7	*	*	*
Multiple Indication		37	16	27	57
	ELL	11	27	36	36
	FEP1	9	*	*	*
	FEP2	17	6	24	71
Special Education		642	26	29	45
	ELL	226	45	31	24
	FEP1	129	12	36	52
	FEP2	287	17	25	58
Low SES		3700	18	20	62
	ELL	1040	44	22	33
	FEP1	798	7	21	72
	FEP2	1862	8	18	74
Migrant		131	18	21	60
	ELL	47	40	15	45
	FEP1	22	0	23	77
	FEP2	62	8	26	66

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

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Table 9.93: Spring 2013 AZELLA Stage IV Test Results on Comprehension at Grade 8

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		4349	16	16	68
	ELL	1264	41	22	37
	FEP1	958	6	15	80
	FEP2	2127	6	13	81
Hispanic		3539	15	16	69
	ELL	930	40	22	38
	FEP1	772	6	15	79
	FEP2	1837	6	13	81
Non-Hispanic		810	21	15	64
	ELL	334	44	21	36
	FEP1	186	3	15	82
	FEP2	290	5	10	85
White		3228	15	16	69
	ELL	848	39	22	39
	FEP1	694	6	15	79
	FEP2	1686	6	13	81
Black or African American		150	24	14	62
	ELL	60	58	18	23
	FEP1	37	0	16	84
	FEP2	53	2	8	91
Asian		216	19	11	70
	ELL	105	38	18	44
	FEP1	42	0	7	93
	FEP2	69	0	3	97
American Indian or Alaskan Native		405	20	19	62
	ELL	120	47	22	32
	FEP1	100	6	20	74
	FEP2	185	9	16	75
Native Hawaiian or Other Pacific Islander		52	19	19	62
	ELL	29	31	24	45
	FEP1	16	6	13	81
	FEP2	7	*	*	*
Multiple Indication		37	19	11	70
	ELL	11	45	9	45
	FEP1	9	*	*	*
	FEP2	17	6	0	94
Special Education		642	30	23	47
	ELL	226	58	19	22
	FEP1	129	18	29	53
	FEP2	287	13	23	64
Low SES		3700	16	15	68
	ELL	1040	42	21	37
	FEP1	798	6	15	80
	FEP2	1862	6	12	81
Migrant		131	15	13	73
	ELL	47	34	21	45
	FEP1	22	5	5	91
	FEP2	62	3	10	87

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.94: Spring 2013 AZELLA Stage IV Test Results on Literacy at Grade 8

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		4349	14	15	71
	ELL	1264	39	22	39
	FEP1	958	5	12	83
	FEP2	2127	3	12	86
Hispanic		3539	13	15	73
	ELL	930	38	22	39
	FEP1	772	6	11	84
	FEP2	1837	3	12	85
Non-Hispanic		810	18	15	67
	ELL	334	41	22	37
	FEP1	186	3	16	82
	FEP2	290	2	7	91
White		3228	13	15	72
	ELL	848	39	22	39
	FEP1	694	6	12	82
	FEP2	1686	3	12	85
Black or African American		150	25	14	61
	ELL	60	58	17	25
	FEP1	37	3	14	84
	FEP2	53	2	11	87
Asian		216	19	10	71
	ELL	105	39	16	45
	FEP1	42	0	10	90
	FEP2	69	0	1	99
American Indian or Alaskan Native		405	13	17	70
	ELL	120	37	28	35
	FEP1	100	4	13	83
	FEP2	185	2	12	86
Native Hawaiian or Other Pacific Islander		52	15	15	69
	ELL	29	24	24	52
	FEP1	16	6	6	88
	FEP2	7	*	*	*
Multiple Indication		37	11	14	76
	ELL	11	27	18	55
	FEP1	9	*	*	*
	FEP2	17	0	6	94
Special Education		642	25	24	50
	ELL	226	58	25	17
	FEP1	129	13	24	63
	FEP2	287	5	24	71
Low SES		3700	14	15	71
	ELL	1040	40	23	37
	FEP1	798	5	12	83
	FEP2	1862	3	12	85
Migrant		131	17	13	70
	ELL	47	38	21	40
	FEP1	22	5	9	86
	FEP2	62	5	8	87

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

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Table 9.95: Spring 2013 AZELLA Stage IV Test Results on Total Combined at Grade 8

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		4349	4	9	18	69
	ELL	1264	15	26	27	33
	FEP1	958	0	3	15	82
	FEP2	2127	0	2	14	84
Hispanic		3539	4	8	18	70
	ELL	930	14	25	28	33
	FEP1	772	0	4	15	82
	FEP2	1837	0	2	14	84
Non-Hispanic		810	6	13	18	63
	ELL	334	15	29	25	31
	FEP1	186	0	2	17	81
	FEP2	290	0	2	11	87
White		3228	4	9	18	70
	ELL	848	14	25	27	34
	FEP1	694	0	4	16	80
	FEP2	1686	0	2	14	83
Black or African American		150	8	14	15	63
	ELL	60	20	33	23	23
	FEP1	37	0	0	14	86
	FEP2	53	0	2	8	91
Asian		216	8	11	16	65
	ELL	105	16	22	27	35
	FEP1	42	0	0	10	90
	FEP2	69	0	0	4	96
American Indian or Alaskan Native		405	4	11	21	64
	ELL	120	13	31	31	26
	FEP1	100	0	3	18	79
	FEP2	185	0	3	16	81
Native Hawaiian or Other Pacific Islander		52	2	17	17	63
	ELL	29	3	28	24	45
	FEP1	16	0	6	6	88
	FEP2	7	*	*	*	*
Multiple Indication		37	0	14	16	70
	ELL	11	0	36	18	45
	FEP1	9	*	*	*	*
	FEP2	17	0	0	12	88
Special Education		642	4	20	27	49
	ELL	226	12	42	31	15
	FEP1	129	0	13	27	60
	FEP2	287	0	5	25	70
Low SES		3700	4	10	18	69
	ELL	1040	15	27	27	31
	FEP1	798	0	3	15	82
	FEP2	1862	0	2	14	84
Migrant		131	8	6	19	67
	ELL	47	21	15	28	36
	FEP1	22	0	0	14	86
	FEP2	62	0	2	15	84

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

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Table 9.96: Spring 2013 AZELLA Stage V Test Results on Listening at Grade 9

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2637	34	22	44
	ELL	1513	50	20	30
	FEP1	495	14	24	62
	FEP2	629	13	22	65
Hispanic		1949	32	22	46
	ELL	1032	48	21	31
	FEP1	398	15	24	61
	FEP2	519	13	22	65
Non-Hispanic		688	40	22	38
	ELL	481	53	20	26
	FEP1	97	8	25	67
	FEP2	110	10	25	65
White		1905	34	22	44
	ELL	1013	51	21	28
	FEP1	391	15	24	61
	FEP2	501	13	23	64
Black or African American		148	45	26	28
	ELL	107	62	21	17
	FEP1	18	6	44	50
	FEP2	23	0	35	65
Asian		188	47	18	35
	ELL	137	61	20	19
	FEP1	26	4	8	88
	FEP2	25	16	16	68
American Indian or Alaskan Native		118	21	23	56
	ELL	72	26	26	47
	FEP1	18	6	22	72
	FEP2	28	18	14	68
Native Hawaiian or Other Pacific Islander		61	23	31	46
	ELL	49	27	27	47
	FEP1	4	*	*	*
	FEP2	8	*	*	*
Multiple Indication		16	31	25	44
	ELL	7	*	*	*
	FEP1	4	*	*	*
	FEP2	5	*	*	*
Special Education		374	32	29	39
	ELL	219	38	31	31
	FEP1	70	27	26	47
	FEP2	85	21	27	52
Low SES		1602	36	21	43
	ELL	917	54	20	27
	FEP1	308	14	26	59
	FEP2	377	11	21	68
Migrant		130	41	27	32
	ELL	83	54	24	22
	FEP1	17	29	35	35
	FEP2	30	10	30	60

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Table 9.97: Spring 2013 AZELLA Stage V Test Results on Speaking at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		2637	29	19	52
	ELL	1513	43	21	36
	FEP1	495	9	16	75
	FEP2	629	9	16	75
Hispanic		1949	26	18	56
	ELL	1032	42	20	38
	FEP1	398	8	16	76
	FEP2	519	9	16	75
Non-Hispanic		688	35	21	44
	ELL	481	46	23	31
	FEP1	97	11	18	71
	FEP2	110	11	15	75
White		1905	27	18	55
	ELL	1013	43	21	36
	FEP1	391	8	16	76
	FEP2	501	8	15	77
Black or African American		148	41	23	36
	ELL	107	54	26	20
	FEP1	18	11	11	78
	FEP2	23	4	17	78
Asian		188	42	21	37
	ELL	137	54	22	24
	FEP1	26	8	23	69
	FEP2	25	12	16	72
American Indian or Alaskan Native		118	21	25	53
	ELL	72	25	28	47
	FEP1	18	17	28	56
	FEP2	28	14	18	68
Native Hawaiian or Other Pacific Islander		61	36	20	44
	ELL	49	33	20	47
	FEP1	4	50	0	50
	FEP2	8	50	25	25
Multiple Indication		16	19	25	56
	ELL	7	*	*	*
	FEP1	4	*	*	*
	FEP2	5	*	*	*
Special Education		374	21	26	53
	ELL	219	28	26	45
	FEP1	70	10	24	66
	FEP2	85	12	27	61
Low SES		1602	30	18	52
	ELL	917	46	20	35
	FEP1	308	8	17	74
	FEP2	377	9	16	75
Migrant		130	41	14	45
	ELL	83	60	11	29
	FEP1	17	6	29	65
	FEP2	30	7	13	80

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Table 9.98: Spring 2013 AZELLA Stage V Test Results on Reading at Grade 9

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2637	35	27	39
	ELL	1513	50	25	25
	FEP1	495	16	27	57
	FEP2	629	13	30	57
Hispanic		1949	33	26	41
	ELL	1032	49	24	27
	FEP1	398	16	26	57
	FEP2	519	14	30	55
Non-Hispanic		688	40	28	32
	ELL	481	52	27	20
	FEP1	97	12	30	58
	FEP2	110	9	29	62
White		1905	34	27	39
	ELL	1013	50	25	25
	FEP1	391	17	28	55
	FEP2	501	14	31	56
Black or African American		148	45	28	27
	ELL	107	59	24	17
	FEP1	18	11	50	39
	FEP2	23	9	26	65
Asian		188	43	24	33
	ELL	137	58	26	16
	FEP1	26	0	15	85
	FEP2	25	4	24	72
American Indian or Alaskan Native		118	37	25	37
	ELL	72	49	24	28
	FEP1	18	17	22	61
	FEP2	28	21	32	46
Native Hawaiian or Other Pacific Islander		61	26	33	41
	ELL	49	29	31	41
	FEP1	4	*	*	*
	FEP2	8	*	*	*
Multiple Indication		16	13	31	56
	ELL	7	*	*	*
	FEP1	4	*	*	*
	FEP2	5	*	*	*
Special Education		374	48	36	16
	ELL	219	62	28	10
	FEP1	70	29	46	26
	FEP2	85	29	46	25
Low SES		1602	34	27	39
	ELL	917	50	25	25
	FEP1	308	14	28	58
	FEP2	377	11	31	58
Migrant		130	39	22	38
	ELL	83	55	20	24
	FEP1	17	6	35	59
	FEP2	30	13	20	67

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Table 9.99: Spring 2013 AZELLA Stage V Test Results on Writing at Grade 9

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2637	35	27	38
	ELL	1513	52	25	23
	FEP1	495	14	29	57
	FEP2	629	11	29	59
Hispanic		1949	34	27	39
	ELL	1032	52	26	22
	FEP1	398	14	29	57
	FEP2	519	12	30	58
Non-Hispanic		688	40	25	35
	ELL	481	53	24	23
	FEP1	97	11	30	59
	FEP2	110	9	26	65
White		1905	34	28	38
	ELL	1013	53	26	20
	FEP1	391	15	29	56
	FEP2	501	12	29	60
Black or African American		148	49	27	24
	ELL	107	63	21	16
	FEP1	18	11	56	33
	FEP2	23	13	30	57
Asian		188	40	29	31
	ELL	137	55	26	19
	FEP1	26	0	31	69
	FEP2	25	0	44	56
American Indian or Alaskan Native		118	29	25	46
	ELL	72	38	25	38
	FEP1	18	11	33	56
	FEP2	28	18	21	61
Native Hawaiian or Other Pacific Islander		61	28	26	46
	ELL	49	31	24	45
	FEP1	4	*	*	*
	FEP2	8	*	*	*
Multiple Indication		16	25	38	38
	ELL	7	*	*	*
	FEP1	4	*	*	*
	FEP2	5	*	*	*
Special Education		374	47	34	18
	ELL	219	61	29	10
	FEP1	70	30	40	30
	FEP2	85	26	44	31
Low SES		1602	34	27	38
	ELL	917	52	27	21
	FEP1	308	12	30	58
	FEP2	377	10	26	64
Migrant		130	38	27	35
	ELL	83	54	25	20
	FEP1	17	12	24	65
	FEP2	30	7	33	60

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Table 9.100: Spring 2013 AZELLA Stage V Test Results on Language at Grade 9

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2637	31	26	43
	ELL	1513	49	26	25
	FEP1	495	6	26	68
	FEP2	629	6	25	69
Hispanic		1949	29	26	45
	ELL	1032	49	26	25
	FEP1	398	6	26	68
	FEP2	519	7	25	68
Non-Hispanic		688	37	24	39
	ELL	481	51	24	25
	FEP1	97	5	26	69
	FEP2	110	5	23	73
White		1905	29	26	44
	ELL	1013	49	28	23
	FEP1	391	6	27	67
	FEP2	501	7	23	70
Black or African American		148	46	25	29
	ELL	107	63	18	20
	FEP1	18	6	44	50
	FEP2	23	0	43	57
Asian		188	42	21	37
	ELL	137	58	23	20
	FEP1	26	0	15	85
	FEP2	25	0	16	84
American Indian or Alaskan Native		118	23	26	51
	ELL	72	31	26	43
	FEP1	18	11	28	61
	FEP2	28	11	25	64
Native Hawaiian or Other Pacific Islander		61	30	38	33
	ELL	49	35	31	35
	FEP1	4	*	*	*
	FEP2	8	*	*	*
Multiple Indication		16	13	31	56
	ELL	7	*	*	*
	FEP1	4	*	*	*
	FEP2	5	*	*	*
Special Education		374	32	40	28
	ELL	219	45	40	15
	FEP1	70	14	41	44
	FEP2	85	13	41	46
Low SES		1602	32	24	44
	ELL	917	52	24	24
	FEP1	308	5	27	69
	FEP2	377	5	23	72
Migrant		130	41	19	40
	ELL	83	59	16	25
	FEP1	17	6	35	59
	FEP2	30	10	20	70

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Table 9.101: Spring 2013 AZELLA Stage V Test Results on Oral at Grade 9

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2637	31	21	47
	ELL	1513	50	20	30
	FEP1	495	7	22	71
	FEP2	629	6	23	71
Hispanic		1949	28	22	50
	ELL	1032	48	21	32
	FEP1	398	7	23	70
	FEP2	519	6	24	70
Non-Hispanic		688	40	20	40
	ELL	481	54	20	25
	FEP1	97	5	20	75
	FEP2	110	7	21	72
White		1905	29	22	49
	ELL	1013	50	21	30
	FEP1	391	6	25	69
	FEP2	501	6	23	71
Black or African American		148	49	17	34
	ELL	107	68	15	17
	FEP1	18	0	28	72
	FEP2	23	0	17	83
Asian		188	47	16	37
	ELL	137	62	18	20
	FEP1	26	4	0	96
	FEP2	25	8	24	68
American Indian or Alaskan Native		118	25	24	51
	ELL	72	31	28	42
	FEP1	18	11	22	67
	FEP2	28	21	14	64
Native Hawaiian or Other Pacific Islander		61	26	33	41
	ELL	49	27	33	41
	FEP1	4	*	*	*
	FEP2	8	*	*	*
Multiple Indication		16	31	19	50
	ELL	7	*	*	*
	FEP1	4	*	*	*
	FEP2	5	*	*	*
Special Education		374	27	31	42
	ELL	219	35	34	31
	FEP1	70	14	26	60
	FEP2	85	15	28	56
Low SES		1602	33	20	47
	ELL	917	54	18	28
	FEP1	308	6	23	71
	FEP2	377	6	21	73
Migrant		130	37	22	42
	ELL	83	55	19	25
	FEP1	17	6	41	53
	FEP2	30	3	17	80

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Table 9.102: Spring 2013 AZELLA Stage V Test Results on Comprehension at Grade 9

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		2637	36	25	40
	ELL	1513	53	23	24
	FEP1	495	13	25	62
	FEP2	629	11	28	61
Hispanic		1949	33	25	42
	ELL	1032	51	23	25
	FEP1	398	14	25	61
	FEP2	519	11	29	60
Non-Hispanic		688	43	23	34
	ELL	481	57	22	21
	FEP1	97	9	26	65
	FEP2	110	8	26	65
White		1905	34	25	41
	ELL	1013	54	23	23
	FEP1	391	14	25	61
	FEP2	501	11	29	60
Black or African American		148	47	28	26
	ELL	107	63	23	14
	FEP1	18	6	50	44
	FEP2	23	4	30	65
Asian		188	48	20	32
	ELL	137	66	18	16
	FEP1	26	0	12	88
	FEP2	25	0	40	60
American Indian or Alaskan Native		118	33	25	42
	ELL	72	42	31	28
	FEP1	18	11	22	67
	FEP2	28	25	11	64
Native Hawaiian or Other Pacific Islander		61	28	25	48
	ELL	49	31	22	47
	FEP1	4	50	25	25
	FEP2	8	0	38	63
Multiple Indication		16	25	25	50
	ELL	7	*	*	*
	FEP1	4	*	*	*
	FEP2	5	*	*	*
Special Education		374	44	34	21
	ELL	219	58	30	13
	FEP1	70	27	40	33
	FEP2	85	24	42	34
Low SES		1602	35	25	40
	ELL	917	54	23	22
	FEP1	308	12	26	62
	FEP2	377	8	29	63
Migrant		130	40	23	37
	ELL	83	58	19	23
	FEP1	17	12	35	53
	FEP2	30	7	27	67

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Table 9.103: Spring 2013 AZELLA Stage V Test Results on Literacy at Grade 9

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2637	37	27	36
	ELL	1513	54	25	21
	FEP1	495	14	28	58
	FEP2	629	12	31	57
Hispanic		1949	35	27	38
	ELL	1032	53	25	21
	FEP1	398	15	27	57
	FEP2	519	13	32	56
Non-Hispanic		688	42	25	32
	ELL	481	57	23	20
	FEP1	97	8	32	60
	FEP2	110	8	30	62
White		1905	35	28	37
	ELL	1013	55	25	20
	FEP1	391	15	29	56
	FEP2	501	12	32	57
Black or African American		148	49	28	22
	ELL	107	64	23	12
	FEP1	18	11	56	33
	FEP2	23	9	30	61
Asian		188	47	20	32
	ELL	137	64	20	15
	FEP1	26	0	19	81
	FEP2	25	4	20	76
American Indian or Alaskan Native		118	35	27	38
	ELL	72	44	26	29
	FEP1	18	17	11	72
	FEP2	28	21	39	39
Native Hawaiian or Other Pacific Islander		61	26	30	44
	ELL	49	33	20	47
	FEP1	4	*	*	*
	FEP2	8	*	*	*
Multiple Indication		16	19	38	44
	ELL	7	*	*	*
	FEP1	4	*	*	*
	FEP2	5	*	*	*
Special Education		374	49	38	13
	ELL	219	65	29	5
	FEP1	70	27	47	26
	FEP2	85	27	52	21
Low SES		1602	36	27	37
	ELL	917	55	25	21
	FEP1	308	12	30	58
	FEP2	377	9	31	59
Migrant		130	41	24	35
	ELL	83	60	17	23
	FEP1	17	6	47	47
	FEP2	30	7	30	63

* 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 9.104: Spring 2013 AZELLA Stage V Test Results on Total Combined at Grade 9

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		2637	13	21	29	37
	ELL	1513	22	31	27	20
	FEP1	495	0	8	31	61
	FEP2	629		7	32	60
Hispanic		1949	11	21	29	39
	ELL	1032	20	32	27	21
	FEP1	398	0	9	31	60
	FEP2	519	0	8	32	59
Non-Hispanic		688	18	23	27	33
	ELL	481	26	30	25	19
	FEP1	97	0	7	29	64
	FEP2	110	0	4	31	65
White		1905	11	21	30	38
	ELL	1013	21	32	28	18
	FEP1	391	0	9	32	59
	FEP2	501	0	8	32	60
Black or African American		148	25	23	28	24
	ELL	107	35	31	22	12
	FEP1	18	0	6	56	39
	FEP2	23	0	0	30	70
Asian		188	21	26	21	31
	ELL	137	29	36	20	15
	FEP1	26	0	0	12	88
	FEP2	25	0	0	40	60
American Indian or Alaskan Native		118	6	24	31	40
	ELL	72	10	29	35	26
	FEP1	18	0	11	28	61
	FEP2	28	0	18	21	61
Native Hawaiian or Other Pacific Islander		61	3	23	34	39
	ELL	49	4	27	29	41
	FEP1	4	*	*	*	*
	FEP2	8	*	*	*	*
Multiple Indication		16	0	25	25	50
	ELL	7	*	*	*	*
	FEP1	4	*	*	*	*
	FEP2	5	*	*	*	*
Special Education		374	6	36	43	16
	ELL	219	10	48	36	6
	FEP1	70	0	20	53	27
	FEP2	85	0	16	53	31
Low SES		1602	13	20	29	38
	ELL	917	23	31	27	19
	FEP1	308	0	7	31	61
	FEP2	377	0	6	31	63
Migrant		130	20	21	22	38
	ELL	83	31	30	16	23
	FEP1	17	0	6	35	59
	FEP2	30	0	3	30	67

* 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 9.105: Spring 2013 AZELLA Stage V Test Results on Listening at Grade 10

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2455	30	20	50
	ELL	1441	44	23	33
	FEP1	493	7	13	80
	FEP2	521	12	19	69
Hispanic		1819	30	20	51
	ELL	990	46	23	31
	FEP1	390	7	14	79
	FEP2	439	12	19	68
Non-Hispanic		636	30	22	49
	ELL	451	39	25	36
	FEP1	103	6	12	83
	FEP2	82	9	16	76
White		1730	29	21	50
	ELL	941	46	24	30
	FEP1	379	6	13	80
	FEP2	410	12	21	67
Black or African American		117	42	25	33
	ELL	89	49	27	24
	FEP1	10	*	*	*
	FEP2	18	17	17	67
Asian		232	35	21	44
	ELL	168	48	25	27
	FEP1	37	0	11	89
	FEP2	27	7	7	85
American Indian or Alaskan Native		149	19	17	63
	ELL	91	25	16	58
	FEP1	38	11	16	74
	FEP2	20	10	25	65
Native Hawaiian or Other Pacific Islander		46	26	33	41
	ELL	44	27	34	39
	FEP1	1	*	*	*
	FEP2	1	*	*	*
Multiple Indication		18	33	28	39
	ELL	13	38	31	31
	FEP1	2	*	*	*
	FEP2	3	*	*	*
Special Education		280	33	30	36
	ELL	171	38	32	30
	FEP1	47	17	28	55
	FEP2	62	32	29	39
Low SES		1887	30	21	49
	ELL	1066	45	24	31
	FEP1	401	8	14	78
	FEP2	420	12	19	69
Migrant		132	37	27	36
	ELL	67	54	33	13
	FEP1	19	16	16	68
	FEP2	46	22	24	54

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.106: Spring 2013 AZELLA Stage V Test Results on Speaking at Grade 10

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2455	25	18	57
	ELL	1441	38	22	41
	FEP1	493	8	14	79
	FEP2	521	7	13	80
Hispanic		1819	25	17	58
	ELL	990	39	21	40
	FEP1	390	7	14	79
	FEP2	439	7	13	79
Non-Hispanic		636	27	20	53
	ELL	451	35	23	42
	FEP1	103	9	15	77
	FEP2	82	4	11	85
White		1730	25	17	58
	ELL	941	40	21	39
	FEP1	379	6	13	81
	FEP2	410	7	13	80
Black or African American		117	21	23	56
	ELL	89	28	27	45
	FEP1	10	*	*	*
	FEP2	18	0	11	89
Asian		232	34	21	44
	ELL	168	45	23	32
	FEP1	37	5	14	81
	FEP2	27	7	19	74
American Indian or Alaskan Native		149	19	21	59
	ELL	91	24	21	55
	FEP1	38	18	24	58
	FEP2	20	0	20	80
Native Hawaiian or Other Pacific Islander		46	30	20	50
	ELL	44	32	20	48
	FEP1	1	*	*	*
	FEP2	1	*	*	*
Multiple Indication		18	11	17	72
	ELL	13	15	15	69
	FEP1	2	*	*	*
	FEP2	3	*	*	*
Special Education		280	22	24	54
	ELL	171	32	25	43
	FEP1	47	11	28	62
	FEP2	62	5	16	79
Low SES		1887	24	20	56
	ELL	1066	37	23	40
	FEP1	401	8	15	77
	FEP2	420	6	15	80
Migrant		132	23	19	58
	ELL	67	39	21	40
	FEP1	19	16	16	68
	FEP2	46	4	17	78

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Table 9.107: Spring 2013 AZELLA Stage V Test Results on Reading at Grade 10

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2455	27	24	50
	ELL	1441	40	28	32
	FEP1	493	7	13	80
	FEP2	521	9	22	69
Hispanic		1819	26	23	51
	ELL	990	41	27	31
	FEP1	390	7	13	80
	FEP2	439	9	23	68
Non-Hispanic		636	28	25	47
	ELL	451	37	29	33
	FEP1	103	6	13	82
	FEP2	82	6	17	77
White		1730	27	22	51
	ELL	941	42	26	31
	FEP1	379	7	12	81
	FEP2	410	10	22	68
Black or African American		117	36	29	35
	ELL	89	45	31	24
	FEP1	10	*	*	*
	FEP2	18	11	22	67
Asian		232	31	23	46
	ELL	168	42	28	30
	FEP1	37	0	14	86
	FEP2	27	4	4	93
American Indian or Alaskan Native		149	17	34	50
	ELL	91	25	35	40
	FEP1	38	5	18	76
	FEP2	20	0	55	45
Native Hawaiian or Other Pacific Islander		46	26	26	48
	ELL	44	25	27	48
	FEP1	1	*	*	*
	FEP2	1	*	*	*
Multiple Indication		18	17	39	44
	ELL	13	15	46	38
	FEP1	2	*	*	*
	FEP2	3	*	*	*
Special Education		280	49	25	26
	ELL	171	64	22	15
	FEP1	47	28	15	57
	FEP2	62	24	42	34
Low SES		1887	27	23	50
	ELL	1066	42	27	31
	FEP1	401	8	14	79
	FEP2	420	10	22	69
Migrant		132	29	23	48
	ELL	67	45	21	34
	FEP1	19	21	21	58
	FEP2	46	9	26	65

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Table 9.108: Spring 2013 AZELLA Stage V Test Results on Writing at Grade 10

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2455	27	24	49
	ELL	1441	40	28	32
	FEP1	493	6	13	81
	FEP2	521	10	22	67
Hispanic		1819	27	24	49
	ELL	990	43	27	29
	FEP1	390	6	14	80
	FEP2	439	10	24	66
Non-Hispanic		636	26	23	51
	ELL	451	34	28	38
	FEP1	103	5	12	83
	FEP2	82	10	13	77
White		1730	27	24	49
	ELL	941	43	28	29
	FEP1	379	5	13	82
	FEP2	410	10	24	66
Black or African American		117	31	26	43
	ELL	89	37	29	34
	FEP1	10	*	*	*
	FEP2	18	11	11	78
Asian		232	31	22	47
	ELL	168	42	27	31
	FEP1	37	0	3	97
	FEP2	27	7	11	81
American Indian or Alaskan Native		149	19	25	56
	ELL	91	24	30	46
	FEP1	38	8	11	82
	FEP2	20	15	30	55
Native Hawaiian or Other Pacific Islander		46	13	33	54
	ELL	44	14	32	55
	FEP1	1	*	*	*
	FEP2	1	*	*	*
Multiple Indication		18	22	33	44
	ELL	13	31	38	31
	FEP1	2	*	*	*
	FEP2	3	*	*	*
Special Education		280	40	29	31
	ELL	171	50	33	18
	FEP1	47	19	23	57
	FEP2	62	27	24	48
Low SES		1887	27	23	49
	ELL	1066	42	27	30
	FEP1	401	6	13	80
	FEP2	420	10	23	67
Migrant		132	26	24	50
	ELL	67	45	24	31
	FEP1	19	5	26	68
	FEP2	46	7	24	70

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Table 9.109: Spring 2013 AZELLA Stage V Test Results on Language at Grade 10

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2455	25	24	51
	ELL	1441	39	28	33
	FEP1	493	3	15	82
	FEP2	521	4	22	74
Hispanic		1819	24	25	52
	ELL	990	40	29	31
	FEP1	390	3	15	82
	FEP2	439	4	23	72
Non-Hispanic		636	27	22	50
	ELL	451	37	26	37
	FEP1	103	4	14	83
	FEP2	82	4	13	83
White		1730	24	25	51
	ELL	941	41	30	29
	FEP1	379	3	14	83
	FEP2	410	5	22	73
Black or African American		117	28	22	50
	ELL	89	36	27	37
	FEP1	10	*	*	*
	FEP2	18	6	11	83
Asian		232	35	20	45
	ELL	168	47	24	29
	FEP1	37	3	3	95
	FEP2	27	4	15	81
American Indian or Alaskan Native		149	17	25	58
	ELL	91	23	23	54
	FEP1	38	11	24	66
	FEP2	20	0	35	65
Native Hawaiian or Other Pacific Islander		46	22	30	48
	ELL	44	23	30	48
	FEP1	1	*	*	*
	FEP2	1	*	*	*
Multiple Indication		18	11	28	61
	ELL	13	15	31	54
	FEP1	2	*	*	*
	FEP2	3	*	*	*
Special Education		280	29	37	34
	ELL	171	39	39	22
	FEP1	47	19	28	53
	FEP2	62	10	40	50
Low SES		1887	24	25	51
	ELL	1066	40	29	31
	FEP1	401	4	15	81
	FEP2	420	4	23	73
Migrant		132	25	25	50
	ELL	67	45	28	27
	FEP1	19	5	21	74
	FEP2	46	4	22	74

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Table 9.110: Spring 2013 AZELLA Stage V Test Results on Oral at Grade 10

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2455	27	20	53
	ELL	1441	42	23	35
	FEP1	493	4	13	83
	FEP2	521	6	18	76
Hispanic		1819	26	20	54
	ELL	990	44	22	34
	FEP1	390	4	14	83
	FEP2	439	6	20	74
Non-Hispanic		636	28	21	50
	ELL	451	38	26	37
	FEP1	103	4	13	83
	FEP2	82	7	7	85
White		1730	26	20	54
	ELL	941	44	23	33
	FEP1	379	3	13	84
	FEP2	410	7	19	74
Black or African American		117	33	26	41
	ELL	89	42	29	29
	FEP1	10	*	*	*
	FEP2	18	11	11	78
Asian		232	39	18	44
	ELL	168	52	23	26
	FEP1	37	3	5	92
	FEP2	27	7	4	89
American Indian or Alaskan Native		149	15	21	64
	ELL	91	20	20	60
	FEP1	38	8	21	71
	FEP2	20	5	25	70
Native Hawaiian or Other Pacific Islander		46	24	33	43
	ELL	44	25	34	41
	FEP1	1	*	*	*
	FEP2	1	*	*	*
Multiple Indication		18	22	22	56
	ELL	13	31	15	54
	FEP1	2	*	*	*
	FEP2	3	*	*	*
Special Education		280	27	34	39
	ELL	171	35	34	31
	FEP1	47	11	32	57
	FEP2	62	16	35	48
Low SES		1887	27	21	52
	ELL	1066	43	24	32
	FEP1	401	4	15	81
	FEP2	420	6	19	75
Migrant		132	29	28	43
	ELL	67	49	30	21
	FEP1	19	0	37	63
	FEP2	46	11	22	67

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Table 9.111: Spring 2013 AZELLA Stage V Test Results on Comprehension at Grade 10

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		2455	28	23	49
	ELL	1441	43	27	30
	FEP1	493	6	12	82
	FEP2	521	8	21	71
Hispanic		1819	28	23	50
	ELL	990	45	27	28
	FEP1	390	6	13	81
	FEP2	439	8	21	70
Non-Hispanic		636	30	23	47
	ELL	451	40	28	32
	FEP1	103	4	10	86
	FEP2	82	6	17	77
White		1730	28	22	50
	ELL	941	46	27	27
	FEP1	379	5	12	83
	FEP2	410	9	21	70
Black or African American		117	38	26	35
	ELL	89	47	31	21
	FEP1	10	*	*	*
	FEP2	18	17	6	78
Asian		232	34	21	44
	ELL	168	47	26	27
	FEP1	37	0	11	89
	FEP2	27	4	7	89
American Indian or Alaskan Native		149	19	26	54
	ELL	91	29	26	45
	FEP1	38	8	13	79
	FEP2	20	0	50	50
Native Hawaiian or Other Pacific Islander		46	26	28	46
	ELL	44	27	27	45
	FEP1	1	*	*	*
	FEP2	1	*	*	*
Multiple Indication		18	17	44	39
	ELL	13	15	54	31
	FEP1	2	*	*	*
	FEP2	3	*	*	*
Special Education		280	47	28	26
	ELL	171	60	26	15
	FEP1	47	28	17	55
	FEP2	62	26	40	34
Low SES		1887	29	23	49
	ELL	1066	45	27	28
	FEP1	401	7	13	81
	FEP2	420	9	20	71
Migrant		132	33	20	46
	ELL	67	52	22	25
	FEP1	19	16	16	68
	FEP2	46	13	20	67

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Table 9.112: Spring 2013 AZELLA Stage V Test Results on Literacy at Grade 10

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2455	28	23	49
	ELL	1441	43	26	31
	FEP1	493	5	14	81
	FEP2	521	9	22	69
Hispanic		1819	28	22	49
	ELL	990	46	25	29
	FEP1	390	6	14	81
	FEP2	439	9	23	67
Non-Hispanic		636	27	24	48
	ELL	451	37	28	35
	FEP1	103	2	15	83
	FEP2	82	6	17	77
White		1730	29	22	50
	ELL	941	47	25	29
	FEP1	379	5	13	82
	FEP2	410	10	23	67
Black or African American		117	34	23	43
	ELL	89	42	27	31
	FEP1	10	*	*	*
	FEP2	18	17	6	78
Asian		232	32	21	47
	ELL	168	44	26	30
	FEP1	37	0	8	92
	FEP2	27	4	7	89
American Indian or Alaskan Native		149	17	32	52
	ELL	91	24	35	41
	FEP1	38	5	16	79
	FEP2	20	5	45	50
Native Hawaiian or Other Pacific Islander		46	17	37	46
	ELL	44	16	39	45
	FEP1	1	*	*	*
	FEP2	1	*	*	*
Multiple Indication		18	28	17	56
	ELL	13	31	23	46
	FEP1	2	*	*	*
	FEP2	3	*	*	*
Special Education		280	44	31	25
	ELL	171	58	29	13
	FEP1	47	21	21	57
	FEP2	62	23	45	32
Low SES		1887	29	22	49
	ELL	1066	45	26	30
	FEP1	401	6	14	80
	FEP2	420	9	22	69
Migrant		132	29	25	46
	ELL	67	48	25	27
	FEP1	19	5	37	58
	FEP2	46	11	20	70

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.113: Spring 2013 AZELLA Stage V Test Results on Total Combined at Grade 10

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		2455	9	18	26	48
	ELL	1441	15	27	31	28
	FEP1	493	0	3	14	83
	FEP2	521		6	24	70
Hispanic		1819	8	18	25	48
	ELL	990	14	30	30	26
	FEP1	390	0	4	14	82
	FEP2	439	0	6	25	69
Non-Hispanic		636	11	16	28	46
	ELL	451	15	21	33	31
	FEP1	103	0	3	12	85
	FEP2	82	0	5	20	76
White		1730	8	19	26	48
	ELL	941	14	30	30	25
	FEP1	379	0	3	15	83
	FEP2	410	0	7	24	69
Black or African American		117	17	14	34	35
	ELL	89	22	15	42	21
	FEP1	10	*	*	*	*
	FEP2	18	0	17	6	78
Asian		232	16	18	22	44
	ELL	168	23	24	29	25
	FEP1	37	0	0	5	95
	FEP2	27	0	4	7	89
American Indian or Alaskan Native		149	3	12	32	52
	ELL	91	4	16	36	43
	FEP1	38	3	8	11	79
	FEP2	20	0	0	55	45
Native Hawaiian or Other Pacific Islander		46	2	20	33	46
	ELL	44	2	20	32	45
	FEP1	1	*	*	*	*
	FEP2	1	*	*	*	*
Multiple Indication		18	6	17	33	44
	ELL	13	8	23	31	38
	FEP1	2	*	*	*	*
	FEP2	3	*	*	*	*
Special Education		280	5	34	36	25
	ELL	171	8	43	37	12
	FEP1	47	0	17	28	55
	FEP2	62	0	21	42	37
Low SES		1887	8	18	26	48
	ELL	1066	15	28	31	26
	FEP1	401	0	4	14	81
	FEP2	420	0	6	24	70
Migrant		132	7	21	25	47
	ELL	67	13	33	28	25
	FEP1	19	0	5	26	68
	FEP2	46	0	11	20	70

* 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 9.114: Spring 2013 AZELLA Stage V Test Results on Listening at Grade 11

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		1969	24	18	58
	ELL	1110	38	22	39
	FEP1	473	5	12	82
	FEP2	386	6	14	80
Hispanic		1373	22	18	59
	ELL	697	38	23	39
	FEP1	354	5	12	82
	FEP2	322	7	15	79
Non-Hispanic		596	29	18	54
	ELL	413	39	20	41
	FEP1	119	5	13	82
	FEP2	64	5	11	84
White		1319	23	19	58
	ELL	673	39	24	37
	FEP1	343	5	12	83
	FEP2	303	7	16	78
Black or African American		102	36	21	43
	ELL	75	48	24	28
	FEP1	15	0	13	87
	FEP2	12	8	8	83
Asian		237	35	15	50
	ELL	175	46	18	35
	FEP1	37	0	8	92
	FEP2	25	4	4	92
American Indian or Alaskan Native		124	17	16	67
	ELL	73	25	12	63
	FEP1	40	8	20	73
	FEP2	11	0	27	73
Native Hawaiian or Other Pacific Islander		34	32	26	41
	ELL	26	35	31	35
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		14	7	14	79
	ELL	7	*	*	*
	FEP1	3	*	*	*
	FEP2	4	*	*	*
Special Education		198	24	28	47
	ELL	116	33	35	32
	FEP1	51	8	14	78
	FEP2	31	19	26	55
Low SES		1482	24	19	57
	ELL	803	39	23	38
	FEP1	365	5	13	82
	FEP2	314	7	14	79
Migrant		83	31	25	43
	ELL	45	49	22	29
	FEP1	25	12	16	72
	FEP2	13	8	54	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

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Table 9.115: Spring 2013 AZELLA Stage V Test Results on Speaking at Grade 11

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		1969	21	18	61
	ELL	1110	33	21	46
	FEP1	473	7	16	78
	FEP2	386	6	12	82
Hispanic		1373	19	18	64
	ELL	697	31	21	47
	FEP1	354	6	14	79
	FEP2	322	6	13	81
Non-Hispanic		596	27	19	54
	ELL	413	36	20	44
	FEP1	119	8	20	72
	FEP2	64	5	8	88
White		1319	19	17	63
	ELL	673	32	21	47
	FEP1	343	6	13	80
	FEP2	303	6	13	82
Black or African American		102	20	19	62
	ELL	75	24	21	55
	FEP1	15	7	13	80
	FEP2	12	8	8	83
Asian		237	36	17	47
	ELL	175	46	19	35
	FEP1	37	8	16	76
	FEP2	25	8	4	88
American Indian or Alaskan Native		124	20	24	56
	ELL	73	27	21	52
	FEP1	40	13	33	55
	FEP2	11	0	18	82
Native Hawaiian or Other Pacific Islander		34	26	21	53
	ELL	26	31	19	50
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		14	0	50	50
	ELL	7	*	*	*
	FEP1	3	*	*	*
	FEP2	4	*	*	*
Special Education		198	21	17	62
	ELL	116	22	22	56
	FEP1	51	14	16	71
	FEP2	31	26	3	71
Low SES		1482	20	19	61
	ELL	803	33	22	45
	FEP1	365	6	16	77
	FEP2	314	5	12	83
Migrant		83	24	22	54
	ELL	45	42	29	29
	FEP1	25	4	20	76
	FEP2	13	0	0	100

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.116: Spring 2013 AZELLA Stage V Test Results on Reading at Grade 11

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		1969	20	23	57
	ELL	1110	33	28	40
	FEP1	473	4	17	80
	FEP2	386	5	17	78
Hispanic		1373	18	23	59
	ELL	697	31	28	41
	FEP1	354	4	17	79
	FEP2	322	4	20	76
Non-Hispanic		596	26	23	51
	ELL	413	35	28	37
	FEP1	119	3	16	82
	FEP2	64	8	6	86
White		1319	19	23	58
	ELL	673	33	30	38
	FEP1	343	5	15	80
	FEP2	303	5	18	77
Black or African American		102	31	24	45
	ELL	75	43	24	33
	FEP1	15	0	33	67
	FEP2	12	0	8	92
Asian		237	28	16	55
	ELL	175	38	21	41
	FEP1	37	0	5	95
	FEP2	25	4	0	96
American Indian or Alaskan Native		124	15	27	57
	ELL	73	23	32	45
	FEP1	40	3	23	75
	FEP2	11	9	18	73
Native Hawaiian or Other Pacific Islander		34	26	24	50
	ELL	26	35	27	38
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		14	7	36	57
	ELL	7	*	*	*
	FEP1	3	*	*	*
	FEP2	4	*	*	*
Special Education		198	29	32	39
	ELL	116	43	35	22
	FEP1	51	8	24	69
	FEP2	31	10	32	58
Low SES		1482	20	24	56
	ELL	803	33	29	38
	FEP1	365	5	18	78
	FEP2	314	5	19	76
Migrant		83	22	25	53
	ELL	45	36	31	33
	FEP1	25	8	16	76
	FEP2	13	0	23	77

* 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 2013 AZELLA Stage V Test Results on Writing at Grade 11

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		1969	21	23	56
	ELL	1110	34	29	38
	FEP1	473	4	15	81
	FEP2	386	5	14	81
Hispanic		1373	19	22	59
	ELL	697	33	29	38
	FEP1	354	5	16	80
	FEP2	322	5	14	80
Non-Hispanic		596	25	24	51
	ELL	413	35	28	37
	FEP1	119	2	13	85
	FEP2	64	5	14	81
White		1319	20	23	57
	ELL	673	35	30	35
	FEP1	343	4	16	80
	FEP2	303	5	14	81
Black or African American		102	27	26	46
	ELL	75	36	29	35
	FEP1	15	0	27	73
	FEP2	12	8	8	83
Asian		237	26	21	54
	ELL	175	35	25	40
	FEP1	37	0	5	95
	FEP2	25	0	12	88
American Indian or Alaskan Native		124	15	25	60
	ELL	73	25	29	47
	FEP1	40	3	18	80
	FEP2	11	0	27	73
Native Hawaiian or Other Pacific Islander		34	26	44	29
	ELL	26	31	54	15
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		14	7	29	64
	ELL	7	*	*	*
	FEP1	3	*	*	*
	FEP2	4	*	*	*
Special Education		198	29	30	40
	ELL	116	44	34	22
	FEP1	51	8	24	69
	FEP2	31	10	29	61
Low SES		1482	20	24	56
	ELL	803	34	30	36
	FEP1	365	4	17	79
	FEP2	314	5	15	80
Migrant		83	20	34	46
	ELL	45	36	42	22
	FEP1	25	4	28	68
	FEP2	13	0	15	85

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.118: Spring 2013 AZELLA Stage V Test Results on Language at Grade 11

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		1969	19	24	58
	ELL	1110	31	32	37
	FEP1	473	3	14	83
	FEP2	386	3	12	84
Hispanic		1373	16	24	60
	ELL	697	29	34	37
	FEP1	354	3	13	84
	FEP2	322	3	13	84
Non-Hispanic		596	24	24	52
	ELL	413	34	29	38
	FEP1	119	2	17	82
	FEP2	64	5	8	88
White		1319	17	24	59
	ELL	673	31	36	34
	FEP1	343	3	13	85
	FEP2	303	3	12	85
Black or African American		102	23	26	51
	ELL	75	29	35	36
	FEP1	15	0	7	93
	FEP2	12	8	0	92
Asian		237	31	21	48
	ELL	175	42	24	34
	FEP1	37	0	16	84
	FEP2	25	4	8	88
American Indian or Alaskan Native		124	11	26	63
	ELL	73	18	27	55
	FEP1	40	3	23	75
	FEP2	11	0	27	73
Native Hawaiian or Other Pacific Islander		34	21	32	47
	ELL	26	23	38	38
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		14	7	21	71
	ELL	7	*	*	*
	FEP1	3	*	*	*
	FEP2	4	*	*	*
Special Education		198	21	33	46
	ELL	116	28	41	31
	FEP1	51	10	18	73
	FEP2	31	16	26	58
Low SES		1482	18	25	58
	ELL	803	30	34	35
	FEP1	365	3	15	82
	FEP2	314	2	11	86
Migrant		83	22	30	48
	ELL	45	40	42	18
	FEP1	25	0	24	76
	FEP2	13	0	0	100

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.119: Spring 2013 AZELLA Stage V Test Results on Oral at Grade 11

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		1969	22	18	60
	ELL	1110	37	22	41
	FEP1	473	3	13	84
	FEP2	386	3	12	85
Hispanic		1373	20	18	63
	ELL	697	36	23	41
	FEP1	354	3	12	85
	FEP2	322	3	13	84
Non-Hispanic		596	28	19	53
	ELL	413	39	21	40
	FEP1	119	4	16	80
	FEP2	64	2	9	89
White		1319	20	18	62
	ELL	673	37	24	40
	FEP1	343	3	11	85
	FEP2	303	3	14	84
Black or African American		102	32	17	51
	ELL	75	44	17	39
	FEP1	15	0	13	87
	FEP2	12	0	17	83
Asian		237	37	16	47
	ELL	175	49	19	32
	FEP1	37	0	14	86
	FEP2	25	4	4	92
American Indian or Alaskan Native		124	12	23	65
	ELL	73	18	23	59
	FEP1	40	5	23	73
	FEP2	11	0	18	82
Native Hawaiian or Other Pacific Islander		34	29	32	38
	ELL	26	35	35	31
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		14	7	14	79
	ELL	7	*	*	*
	FEP1	3	*	*	*
	FEP2	4	*	*	*
Special Education		198	18	32	51
	ELL	116	23	39	38
	FEP1	51	10	16	75
	FEP2	31	10	32	58
Low SES		1482	22	18	60
	ELL	803	37	23	40
	FEP1	365	3	13	84
	FEP2	314	3	12	85
Migrant		83	28	20	52
	ELL	45	49	24	27
	FEP1	25	4	20	76
	FEP2	13	0	8	92

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.120: Spring 2013 AZELLA Stage V Test Results on Comprehension at Grade 11

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		1969	21	21	58
	ELL	1110	36	26	38
	FEP1	473	2	15	83
	FEP2	386	2	13	84
Hispanic		1373	18	21	60
	ELL	697	34	28	37
	FEP1	354	2	15	83
	FEP2	322	2	14	84
Non-Hispanic		596	27	20	53
	ELL	413	38	23	39
	FEP1	119	2	15	83
	FEP2	64	5	9	86
White		1319	19	22	59
	ELL	673	36	29	35
	FEP1	343	2	15	83
	FEP2	303	2	15	84
Black or African American		102	31	25	44
	ELL	75	41	28	31
	FEP1	15	0	20	80
	FEP2	12	8	8	83
Asian		237	33	14	54
	ELL	175	44	17	39
	FEP1	37	0	5	95
	FEP2	25	4	0	96
American Indian or Alaskan Native		124	15	22	63
	ELL	73	25	25	51
	FEP1	40	3	18	80
	FEP2	11	0	18	82
Native Hawaiian or Other Pacific Islander		34	32	24	44
	ELL	26	42	23	35
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		14	7	7	86
	ELL	7	*	*	*
	FEP1	3	*	*	*
	FEP2	4	*	*	*
Special Education		198	27	32	41
	ELL	116	42	36	22
	FEP1	51	6	18	76
	FEP2	31	3	39	58
Low SES		1482	21	22	57
	ELL	803	36	28	36
	FEP1	365	2	17	81
	FEP2	314	2	14	84
Migrant		83	22	30	48
	ELL	45	38	36	27
	FEP1	25	4	24	72
	FEP2	13	0	23	77

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.121: Spring 2013 AZELLA Stage V Test Results on Literacy at Grade 11

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		1969	20	24	56
	ELL	1110	34	30	36
	FEP1	473	3	14	83
	FEP2	386	3	17	80
Hispanic		1373	18	24	58
	ELL	697	32	32	36
	FEP1	354	3	15	82
	FEP2	322	2	18	80
Non-Hispanic		596	27	22	51
	ELL	413	37	27	36
	FEP1	119	2	13	85
	FEP2	64	6	13	81
White		1319	19	24	57
	ELL	673	34	33	33
	FEP1	343	3	13	83
	FEP2	303	3	17	80
Black or African American		102	30	25	45
	ELL	75	41	27	32
	FEP1	15	0	20	80
	FEP2	12	0	17	83
Asian		237	27	18	54
	ELL	175	37	23	40
	FEP1	37	0	3	97
	FEP2	25	4	4	92
American Indian or Alaskan Native		124	17	26	57
	ELL	73	27	29	44
	FEP1	40	3	20	78
	FEP2	11	0	27	73
Native Hawaiian or Other Pacific Islander		34	26	38	35
	ELL	26	35	42	23
	FEP1	7	*	*	*
	FEP2	1	*	*	*
Multiple Indication		14	7	36	57
	ELL	7	*	*	*
	FEP1	3	*	*	*
	FEP2	4	*	*	*
Special Education		198	27	36	36
	ELL	116	43	40	17
	FEP1	51	4	25	71
	FEP2	31	6	42	52
Low SES		1482	20	24	56
	ELL	803	34	32	34
	FEP1	365	3	15	82
	FEP2	314	4	17	80
Migrant		83	22	28	51
	ELL	45	38	38	24
	FEP1	25	4	20	76
	FEP2	13	0	8	92

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.122: Spring 2013 AZELLA Stage V Test Results on Total Combined at Grade 11

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		1969	6	13	26	55
	ELL	1110	10	23	33	34
	FEP1	473	0	1	15	84
	FEP2	386	0	1	16	82
Hispanic		1373	4	12	25	58
	ELL	697	8	24	35	33
	FEP1	354	0	1	15	84
	FEP2	322	0	1	16	82
Non-Hispanic		596	9	15	26	50
	ELL	413	13	22	31	35
	FEP1	119	0	1	15	84
	FEP2	64	0	2	16	83
White		1319	4	14	26	56
	ELL	673	8	25	36	31
	FEP1	343	0	1	14	85
	FEP2	303	0	2	17	82
Black or African American		102	9	19	28	44
	ELL	75	12	25	35	28
	FEP1	15	0	0	7	93
	FEP2	12	0	0	17	83
Asian		237	14	15	20	51
	ELL	175	19	20	26	35
	FEP1	37	0	0	3	97
	FEP2	25	0	0	8	92
American Indian or Alaskan Native		124	4	10	28	57
	ELL	73	7	16	29	48
	FEP1	40	0	3	28	70
	FEP2	11	0	0	27	73
Native Hawaiian or Other Pacific Islander		34	3	18	44	35
	ELL	26	4	23	50	23
	FEP1	7	*	*	*	*
	FEP2	1	*	*	*	*
Multiple Indication		14	7	0	14	79
	ELL	7	*	*	*	*
	FEP1	3	*	*	*	*
	FEP2	4	*	*	*	*
Special Education		198	4	20	40	36
	ELL	116	7	33	42	18
	FEP1	51	0	2	25	73
	FEP2	31	0	3	55	42
Low SES		1482	5	14	26	55
	ELL	803	9	24	34	32
	FEP1	365	0	1	16	83
	FEP2	314	0	2	15	83
Migrant		83	6	17	25	52
	ELL	45	11	31	33	24
	FEP1	25	0	0	20	80
	FEP2	13	0	0	8	92

* 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 9.123: Spring 2013 AZELLA Stage V Test Results on Listening at Grade 12

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2048	23	21	56
	ELL	1184	35	25	40
	FEP1	476	7	12	81
	FEP2	388	6	16	77
Hispanic		1432	22	20	58
	ELL	797	34	25	41
	FEP1	349	6	11	83
	FEP2	286	7	18	75
Non-Hispanic		616	26	21	53
	ELL	387	37	25	37
	FEP1	127	12	13	75
	FEP2	102	4	12	84
White		1312	22	20	58
	ELL	707	35	25	39
	FEP1	329	6	12	82
	FEP2	276	8	17	75
Black or African American		127	35	28	38
	ELL	102	42	29	28
	FEP1	12	8	33	58
	FEP2	13	0	8	92
Asian		212	27	18	55
	ELL	132	41	23	36
	FEP1	46	4	11	85
	FEP2	34	3	12	85
American Indian or Alaskan Native		144	19	22	58
	ELL	87	26	29	45
	FEP1	39	10	13	77
	FEP2	18	6	11	83
Native Hawaiian or Other Pacific Islander		51	24	20	57
	ELL	33	27	27	45
	FEP1	16	19	6	75
	FEP2	2	*	*	*
Multiple Indication		11	18	36	45
	ELL	8	*	*	*
	FEP1	1	*	*	*
	FEP2	2	*	*	*
Special Education		198	25	23	52
	ELL	133	32	26	41
	FEP1	47	11	17	72
	FEP2	18	11	17	72
Low SES		1426	23	22	56
	ELL	820	35	27	38
	FEP1	339	6	12	81
	FEP2	267	6	16	77
Migrant		59	29	31	41
	ELL	34	44	35	21
	FEP1	3	*	*	*
	FEP2	22	9	23	68

* 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 2013 AZELLA Stage V Test Results on Speaking at Grade 12

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2048	19	19	62
	ELL	1184	28	23	48
	FEP1	476	5	14	80
	FEP2	388	7	14	79
Hispanic		1432	19	18	63
	ELL	797	29	22	49
	FEP1	349	4	13	83
	FEP2	286	8	14	78
Non-Hispanic		616	19	22	59
	ELL	387	27	26	48
	FEP1	127	9	17	73
	FEP2	102	5	13	82
White		1312	19	19	63
	ELL	707	30	23	47
	FEP1	329	5	13	83
	FEP2	276	7	14	79
Black or African American		127	25	20	54
	ELL	102	29	23	48
	FEP1	12	8	17	75
	FEP2	13	8	8	85
Asian		212	24	17	58
	ELL	132	34	23	43
	FEP1	46	7	13	80
	FEP2	34	9	3	88
American Indian or Alaskan Native		144	13	24	63
	ELL	87	18	26	55
	FEP1	39	8	21	72
	FEP2	18	0	22	78
Native Hawaiian or Other Pacific Islander		51	10	35	55
	ELL	33	12	36	52
	FEP1	16	6	31	63
	FEP2	2	*	*	*
Multiple Indication		11	27	27	45
	ELL	8	*	*	*
	FEP1	1	*	*	*
	FEP2	2	*	*	*
Special Education		198	20	26	54
	ELL	133	26	26	48
	FEP1	47	9	26	66
	FEP2	18	6	28	67
Low SES		1426	19	20	62
	ELL	820	27	23	49
	FEP1	339	6	15	79
	FEP2	267	8	15	77
Migrant		59	31	22	47
	ELL	34	47	24	29
	FEP1	3	*	*	*
	FEP2	22	5	18	77

* 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 9.125: Spring 2013 AZELLA Stage V Test Results on Reading at Grade 12

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2048	19	21	60
	ELL	1184	29	28	43
	FEP1	476	5	11	84
	FEP2	388	6	13	81
Hispanic		1432	18	21	61
	ELL	797	29	28	43
	FEP1	349	5	11	84
	FEP2	286	5	15	80
Non-Hispanic		616	21	21	58
	ELL	387	29	28	43
	FEP1	127	7	11	82
	FEP2	102	8	6	86
White		1312	20	20	60
	ELL	707	32	27	41
	FEP1	329	5	11	84
	FEP2	276	7	13	81
Black or African American		127	27	28	45
	ELL	102	32	33	34
	FEP1	12	8	8	83
	FEP2	13	0	8	92
Asian		212	18	18	64
	ELL	132	27	26	48
	FEP1	46	2	9	89
	FEP2	34	6	3	91
American Indian or Alaskan Native		144	15	26	60
	ELL	87	17	34	48
	FEP1	39	10	10	79
	FEP2	18	11	17	72
Native Hawaiian or Other Pacific Islander		51	14	27	59
	ELL	33	15	36	48
	FEP1	16	13	13	75
	FEP2	2	*	*	*
Multiple Indication		11	18	27	55
	ELL	8	*	*	*
	FEP1	1	*	*	*
	FEP2	2	*	*	*
Special Education		198	34	27	38
	ELL	133	47	32	20
	FEP1	47	6	17	77
	FEP2	18	11	17	72
Low SES		1426	20	21	59
	ELL	820	30	28	43
	FEP1	339	6	12	82
	FEP2	267	7	13	80
Migrant		59	24	19	58
	ELL	34	41	29	29
	FEP1	3	*	*	*
	FEP2	22	0	5	95

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

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Table 9.126: Spring 2013 AZELLA Stage V Test Results on Writing at Grade 12

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2048	19	23	58
	ELL	1184	30	29	41
	FEP1	476	5	14	81
	FEP2	388	4	14	82
Hispanic		1432	20	22	58
	ELL	797	31	28	41
	FEP1	349	6	13	81
	FEP2	286	4	16	79
Non-Hispanic		616	18	24	58
	ELL	387	27	31	42
	FEP1	127	4	16	80
	FEP2	102	3	9	88
White		1312	20	22	58
	ELL	707	33	28	39
	FEP1	329	4	15	81
	FEP2	276	4	16	80
Black or African American		127	29	29	42
	ELL	102	36	32	31
	FEP1	12	0	25	75
	FEP2	13	0	8	92
Asian		212	16	19	65
	ELL	132	23	29	48
	FEP1	46	4	4	91
	FEP2	34	3	3	94
American Indian or Alaskan Native		144	18	24	58
	ELL	87	24	29	47
	FEP1	39	10	15	74
	FEP2	18	6	22	72
Native Hawaiian or Other Pacific Islander		51	8	37	55
	ELL	33	12	45	42
	FEP1	16	0	25	75
	FEP2	2	*	*	*
Multiple Indication		11	36	9	55
	ELL	8	*	*	*
	FEP1	1	*	*	*
	FEP2	2	*	*	*
Special Education		198	32	29	39
	ELL	133	44	30	26
	FEP1	47	6	30	64
	FEP2	18	11	22	67
Low SES		1426	19	23	57
	ELL	820	30	30	41
	FEP1	339	6	15	79
	FEP2	267	4	15	81
Migrant		59	24	19	58
	ELL	34	41	26	32
	FEP1	3	*	*	*
	FEP2	22	0	9	91

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.127: Spring 2013 AZELLA Stage V Test Results on Language at Grade 12

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2048	16	23	60
	ELL	1184	27	31	42
	FEP1	476	2	14	85
	FEP2	388	3	12	86
Hispanic		1432	16	23	61
	ELL	797	27	31	41
	FEP1	349	1	13	86
	FEP2	286	3	13	84
Non-Hispanic		616	17	23	60
	ELL	387	26	30	44
	FEP1	127	2	16	82
	FEP2	102	2	8	90
White		1312	16	23	60
	ELL	707	29	32	39
	FEP1	329	2	12	86
	FEP2	276	2	12	86
Black or African American		127	24	26	50
	ELL	102	29	30	40
	FEP1	12	0	8	92
	FEP2	13	0	8	92
Asian		212	19	17	63
	ELL	132	30	23	48
	FEP1	46	4	11	85
	FEP2	34	0	6	94
American Indian or Alaskan Native		144	10	29	60
	ELL	87	16	34	49
	FEP1	39	0	21	79
	FEP2	18	6	22	72
Native Hawaiian or Other Pacific Islander		51	12	33	55
	ELL	33	18	36	45
	FEP1	16	0	31	69
	FEP2	2	*	*	*
Multiple Indication		11	18	45	36
	ELL	8	*	*	*
	FEP1	1	*	*	*
	FEP2	2	*	*	*
Special Education		198	22	30	48
	ELL	133	32	35	33
	FEP1	47	2	17	81
	FEP2	18	6	22	72
Low SES		1426	17	24	60
	ELL	820	27	31	42
	FEP1	339	2	15	83
	FEP2	267	3	12	85
Migrant		59	25	29	46
	ELL	34	44	35	21
	FEP1	3	*	*	*
	FEP2	22	0	14	86

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.128: Spring 2013 AZELLA Stage V Test Results on Oral at Grade 12

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2048	20	20	60
	ELL	1184	32	25	43
	FEP1	476	3	12	85
	FEP2	388	4	15	82
Hispanic		1432	19	19	62
	ELL	797	31	24	45
	FEP1	349	2	11	87
	FEP2	286	5	16	79
Non-Hispanic		616	23	22	56
	ELL	387	34	27	39
	FEP1	127	6	15	79
	FEP2	102	1	11	88
White		1312	19	20	61
	ELL	707	33	25	42
	FEP1	329	2	11	87
	FEP2	276	4	16	80
Black or African American		127	35	26	39
	ELL	102	43	28	28
	FEP1	12	0	17	83
	FEP2	13	0	15	85
Asian		212	25	18	58
	ELL	132	36	26	38
	FEP1	46	7	9	85
	FEP2	34	3	0	97
American Indian or Alaskan Native		144	12	26	62
	ELL	87	18	33	48
	FEP1	39	3	18	79
	FEP2	18	0	11	89
Native Hawaiian or Other Pacific Islander		51	18	18	65
	ELL	33	27	15	58
	FEP1	16	0	25	75
	FEP2	2	*	*	*
Multiple Indication		11	18	27	55
	ELL	8	*	*	*
	FEP1	1	*	*	*
	FEP2	2	*	*	*
Special Education		198	21	25	54
	ELL	133	29	27	44
	FEP1	47	2	21	77
	FEP2	18	6	22	72
Low SES		1426	19	21	60
	ELL	820	31	26	43
	FEP1	339	2	13	85
	FEP2	267	4	15	81
Migrant		59	29	24	47
	ELL	34	44	29	26
	FEP1	3	*	*	*
	FEP2	22	9	14	77

* Statistics for subgroups with less than 11 students are omitted in compliance with FERPA regulations and replaced with an '*'.
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Table 9.129: Spring 2013 AZELLA Stage V Test Results on Comprehension at Grade 12

			**% at Proficiency Levels		
Group	**ELL Status**	**N**	**PE/E/B**	**I**	**P**
Total		2048	20	21	59
	ELL	1184	31	28	41
	FEP1	476	5	11	85
	FEP2	388	3	13	84
Hispanic		1432	18	21	60
	ELL	797	30	29	41
	FEP1	349	3	10	87
	FEP2	286	3	15	82
Non-Hispanic		616	23	21	56
	ELL	387	33	26	41
	FEP1	127	8	13	79
	FEP2	102	2	10	88
White		1312	19	21	60
	ELL	707	33	28	39
	FEP1	329	3	11	86
	FEP2	276	4	14	82
Black or African American		127	33	24	43
	ELL	102	40	26	33
	FEP1	12	8	17	75
	FEP2	13	0	8	92
Asian		212	21	19	60
	ELL	132	32	26	42
	FEP1	46	4	9	87
	FEP2	34	3	6	91
American Indian or Alaskan Native		144	16	26	58
	ELL	87	22	34	44
	FEP1	39	10	8	82
	FEP2	18	0	22	78
Native Hawaiian or Other Pacific Islander		51	20	22	59
	ELL	33	24	27	48
	FEP1	16	13	13	75
	FEP2	2	*	*	*
Multiple Indication		11	9	36	55
	ELL	8	*	*	*
	FEP1	1	*	*	*
	FEP2	2	*	*	*
Special Education		198	31	28	41
	ELL	133	43	34	23
	FEP1	47	6	11	83
	FEP2	18	6	28	67
Low SES		1426	20	22	58
	ELL	820	31	29	40
	FEP1	339	5	11	84
	FEP2	267	3	14	83
Migrant		59	25	24	51
	ELL	34	44	35	21
	FEP1	3	*	*	*
	FEP2	22	0	9	91

* 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 2013 AZELLA Stage V Test Results on Literacy at Grade 12

Group	ELL Status	N	**% at Proficiency Levels PE/E/B	I	P
Total		2048	19	21	59
	ELL	1184	31	28	41
	FEP1	476	5	12	84
	FEP2	388	3	14	83
Hispanic		1432	19	21	59
	ELL	797	32	28	40
	FEP1	349	4	11	85
	FEP2	286	3	16	81
Non-Hispanic		616	20	22	58
	ELL	387	29	28	43
	FEP1	127	6	13	81
	FEP2	102	4	8	88
White		1312	20	20	60
	ELL	707	35	26	39
	FEP1	329	4	11	86
	FEP2	276	3	15	82
Black or African American		127	29	25	46
	ELL	102	36	28	35
	FEP1	12	0	25	75
	FEP2	13	0	0	100
Asian		212	17	19	64
	ELL	132	25	27	48
	FEP1	46	4	7	89
	FEP2	34	3	6	91
American Indian or Alaskan Native		144	13	34	53
	ELL	87	17	45	38
	FEP1	39	8	18	74
	FEP2	18	6	17	78
Native Hawaiian or Other Pacific Islander		51	16	24	61
	ELL	33	18	30	52
	FEP1	16	13	13	75
	FEP2	2	*	*	*
Multiple Indication		11	18	27	55
	ELL	8	*	*	*
	FEP1	1	*	*	*
	FEP2	2	*	*	*
Special Education		198	35	28	37
	ELL	133	50	30	20
	FEP1	47	4	23	72
	FEP2	18	6	28	67
Low SES		1426	19	22	58
	ELL	820	30	29	40
	FEP1	339	6	13	82
	FEP2	267	3	14	83
Migrant		59	25	15	59
	ELL	34	44	24	32
	FEP1	3	*	*	*
	FEP2	22	0	5	95

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Table 9.131: Spring 2013 AZELLA Stage V Test Results on Total Combined at Grade 12

			**% at Proficiency Level			
Group	**ELL Status**	**N**	**PE/E**	**B**	**I**	**P**
Total		2048	4	13	24	58
	ELL	1184	7	21	33	38
	FEP1	476	0	2	12	86
	FEP2	388	0	2	13	85
Hispanic		1432	4	13	24	59
	ELL	797	7	22	34	38
	FEP1	349	0	2	11	87
	FEP2	286	0	2	15	83
Non-Hispanic		616	5	14	24	57
	ELL	387	8	21	32	39
	FEP1	127	0	4	13	83
	FEP2	102	0	2	8	90
White		1312	4	14	24	58
	ELL	707	7	24	34	35
	FEP1	329	0	2	12	87
	FEP2	276	0	2	14	84
Black or African American		127	9	19	28	44
	ELL	102	12	24	32	32
	FEP1	12	0	0	17	83
	FEP2	13	0	0	0	100
Asian		212	5	16	17	62
	ELL	132	8	23	25	44
	FEP1	46	0	4	7	89
	FEP2	34	0	3	3	94
American Indian or Alaskan Native		144	1	8	39	52
	ELL	87	1	10	54	34
	FEP1	39	0	5	15	79
	FEP2	18	0	6	17	78
Native Hawaiian or Other Pacific Islander		51	0	10	27	63
	ELL	33	0	15	33	52
	FEP1	16	0	0	19	81
	FEP2	2	*	*	*	*
Multiple Indication		11	9	9	27	55
	ELL	8	*	*	*	*
	FEP1	1	*	*	*	*
	FEP2	2	*	*	*	*
Special Education		198	6	24	32	38
	ELL	133	8	34	39	19
	FEP1	47	0	4	17	79
	FEP2	18	0	6	17	78
Low SES		1426	4	14	26	57
	ELL	820	6	22	35	37
	FEP1	339	0	3	13	84
	FEP2	267	0	2	13	85
Migrant		59	3	17	29	51
	ELL	34	6	29	50	15
	FEP1	3	*	*	*	*
	FEP2	22	0	0	0	100

* 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 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 for the Kindergarten Placement Test in Table 9.132 and the Stages I through V assessments by grade in Table 9.133 through Table 9.158. 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 Kindergarten Placement Test, the lowest scale scores for the Basic/Intermediate and Proficient level are in bold. Similarly, 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 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 9.132: Kindergarten Placement Test Frequency Distribution during The School Year 2012-2013

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 9.133: Spring 2013 AZELLA Stage I Form A 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	2364	350	3.18	8777	79.72
1	2000	1	0.01	1	0.01	51	2371	375	3.41	9152	83.12
2	2021	1	0.01	2	0.02	52	2378	292	2.65	9444	85.78
3	2050	0	0.00	2	0.02	53	2386	298	2.71	9742	88.48
4	2072	0	0.00	2	0.02	54	2395	250	2.27	9992	90.75
5	2089	0	0.00	2	0.02	55	2404	239	2.17	10231	92.92
6	2104	0	0.00	2	0.02	56	2414	177	1.61	10408	94.53
7	2116	1	0.01	3	0.03	57	2426	194	1.76	10602	96.29
8	2128	4	0.04	7	0.06	58	2438	144	1.31	10746	97.60
9	2138	1	0.01	8	0.07	59	2453	98	0.89	10844	98.49
10	2147	7	0.06	15	0.14	60	2470	68	0.62	10912	99.11
11	2155	3	0.03	18	0.16	61	2492	57	0.52	10969	99.63
12	2163	11	0.10	29	0.26	62	2521	28	0.25	10997	99.88
13	2170	15	0.14	44	0.40	63	2569	12	0.11	11009	99.99
14	2177	13	0.12	57	0.52	64	3000	1	0.01	11010	100.00
15	2184	24	0.22	81	0.74						
16	2190	27	0.25	108	0.98						
17	2196	33	0.30	141	1.28						
18	2201	35	0.32	176	1.60						
19	2207	40	0.36	216	1.96						
20	2212	58	0.53	274	2.49						
21	2217	79	0.72	353	3.21						
22	2222	87	0.79	440	4.00						
23	2227	93	0.84	533	4.84						
24	2232	127	1.15	660	5.99						
25	2236	135	1.23	795	7.22						
26	**2241**	**155**	**1.41**	**950**	**8.63**						
27	2246	164	1.49	1114	10.12						
28	2250	175	1.59	1289	11.71						
29	2255	189	1.72	1478	13.42						
30	2259	226	2.05	1704	15.48						
31	2264	249	2.26	1953	17.74						
32	2268	248	2.25	2201	19.99						
33	2273	288	2.62	2489	22.61						
34	2277	312	2.83	2801	25.44						
35	2282	296	2.69	3097	28.13						
36	**2287**	**347**	**3.15**	**3444**	**31.28**						
37	2291	327	2.97	3771	34.25						
38	2296	358	3.25	4129	37.50						
39	2301	366	3.32	4495	40.83						
40	2306	396	3.60	4891	44.42						
41	2311	368	3.34	5259	47.77						
42	2316	411	3.73	5670	51.50						
43	2321	402	3.65	6072	55.15						
44	**2327**	**397**	**3.61**	**6469**	**58.76**						
45	2332	393	3.57	6862	62.33						
46	2338	418	3.80	7280	66.12						
47	2344	413	3.75	7693	69.87						
48	2350	374	3.40	8067	73.27						
49	2357	360	3.27	8427	76.54						

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Table 9.134: Spring 2013 AZELLA Stage I Form B 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	2365	363	3.39	8412	78.62
1	2000	1	0.01	1	0.01	51	2373	384	3.59	8796	82.21
2	2022	1	0.01	2	0.02	52	2381	342	3.20	9138	85.41
3	2052	1	0.01	3	0.03	53	2389	305	2.85	9443	88.26
4	2074	1	0.01	4	0.04	54	2398	276	2.58	9719	90.84
5	2091	1	0.01	5	0.05	55	2407	230	2.15	9949	92.99
6	2105	1	0.01	6	0.06	56	2418	207	1.93	10156	94.92
7	2118	2	0.02	8	0.07	57	2430	171	1.60	10327	96.52
8	2129	3	0.03	11	0.10	58	2443	121	1.13	10448	97.65
9	2139	6	0.06	17	0.16	59	2458	90	0.84	10538	98.50
10	2148	6	0.06	23	0.21	60	2476	76	0.71	10614	99.21
11	2156	3	0.03	26	0.24	61	2499	46	0.43	10660	99.64
12	2164	7	0.07	33	0.31	62	2529	25	0.23	10685	99.87
13	2171	15	0.14	48	0.45	63	2578	12	0.11	10697	99.98
14	2178	20	0.19	68	0.64	64	3000	2	0.02	10699	100.00
15	2184	16	0.15	84	0.79						
16	2190	29	0.27	113	1.06						
17	2196	19	0.18	132	1.23						
18	2201	25	0.23	157	1.47						
19	2207	50	0.47	207	1.93						
20	2212	51	0.48	258	2.41						
21	2217	67	0.63	325	3.04						
22	2222	87	0.81	412	3.85						
23	2226	83	0.78	495	4.63						
24	2231	102	0.95	597	5.58						
25	2236	139	1.30	736	6.88						
26	**2241**	**124**	**1.16**	**860**	**8.04**						
27	2245	158	1.48	1018	9.51						
28	2250	182	1.70	1200	11.22						
29	2254	188	1.76	1388	12.97						
30	2259	204	1.91	1592	14.88						
31	2263	233	2.18	1825	17.06						
32	2268	223	2.08	2048	19.14						
33	2273	259	2.42	2307	21.56						
34	2277	280	2.62	2587	24.18						
35	2282	305	2.85	2892	27.03						
36	**2287**	**293**	**2.74**	**3185**	**29.77**						
37	2291	356	3.33	3541	33.10						
38	2296	327	3.06	3868	36.15						
39	2301	326	3.05	4194	39.20						
40	2306	368	3.44	4562	42.64						
41	2311	343	3.21	4905	45.85						
42	2317	373	3.49	5278	49.33						
43	2322	385	3.60	5663	52.93						
44	**2328**	**412**	**3.85**	**6075**	**56.78**						
45	2333	391	3.65	6466	60.44						
46	2339	424	3.96	6890	64.40						
47	2345	395	3.69	7285	68.09						
48	2352	405	3.79	7690	71.88						
49	2358	359	3.36	8049	75.23						

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Table 9.135: Spring 2013 AZELLA Stage II Form A Frequency Distribution at Grade 1

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
0	2000	1	0.01	1	0.01	50	2321	96	0.91	849	8.08
1	2036	0	0.00	1	0.01	51	2323	89	0.85	938	8.93
2	2081	0	0.00	1	0.01	52	2325	88	0.84	1026	9.76
3	2108	0	0.00	1	0.01	53	2327	104	0.99	1130	10.75
4	2128	0	0.00	1	0.01	54	2329	101	0.96	1231	11.71
5	2143	0	0.00	1	0.01	55	2331	98	0.93	1329	12.65
6	2156	0	0.00	1	0.01	56	2333	122	1.16	1451	13.81
7	2166	0	0.00	1	0.01	57	2335	140	1.33	1591	15.14
8	2176	1	0.01	2	0.02	58	2337	162	1.54	1753	16.68
9	2184	0	0.00	2	0.02	**59**	**2339**	**132**	**1.26**	**1885**	**17.94**
10	2192	0	0.00	2	0.02	60	2341	157	1.49	2042	19.43
11	2199	0	0.00	2	0.02	61	2343	161	1.53	2203	20.96
12	2205	0	0.00	2	0.02	62	2345	180	1.71	2383	22.68
13	2211	0	0.00	2	0.02	63	2347	191	1.82	2574	24.50
14	2216	0	0.00	2	0.02	64	2349	169	1.61	2743	26.10
15	2221	1	0.01	3	0.03	65	2351	155	1.48	2898	27.58
16	2226	0	0.00	3	0.03	66	2353	183	1.74	3081	29.32
17	2231	0	0.00	3	0.03	67	2355	207	1.97	3288	31.29
18	2235	1	0.01	4	0.04	68	2358	182	1.73	3470	33.02
19	2239	2	0.02	6	0.06	69	2360	187	1.78	3657	34.80
20	2243	1	0.01	7	0.07	70	2362	151	1.44	3808	36.24
21	2246	2	0.02	9	0.09	71	2364	175	1.67	3983	37.90
22	2250	5	0.05	14	0.13	72	2366	200	1.90	4183	39.81
23	2253	0	0.00	14	0.13	73	2368	180	1.71	4363	41.52
24	2257	3	0.03	17	0.16	74	2370	174	1.66	4537	43.18
25	2260	2	0.02	19	0.18	75	2372	206	1.96	4743	45.14
26	2263	5	0.05	24	0.23	76	2374	176	1.67	4919	46.81
27	2266	5	0.05	29	0.28	77	2376	170	1.62	5089	48.43
28	2269	6	0.06	35	0.33	78	2378	193	1.84	5282	50.27
29	2272	3	0.03	38	0.36	79	2380	162	1.54	5444	51.81
30	2274	5	0.05	43	0.41	80	2382	145	1.38	5589	53.19
31	2277	13	0.12	56	0.53	**81**	**2385**	**149**	**1.42**	**5738**	**54.61**
32	2280	13	0.12	69	0.66	82	2387	145	1.38	5883	55.99
33	2282	7	0.07	76	0.72	83	2389	181	1.72	6064	57.71
34	2285	26	0.25	102	0.97	84	2391	159	1.51	6223	59.22
35	2287	14	0.13	116	1.10	85	2393	174	1.66	6397	60.88
36	2290	17	0.16	133	1.27	86	2395	168	1.60	6565	62.48
37	2292	24	0.23	157	1.49	87	2398	157	1.49	6722	63.97
38	2294	20	0.19	177	1.68	88	2400	163	1.55	6885	65.52
39	**2297**	**15**	**0.14**	**192**	**1.83**	89	2402	144	1.37	7029	66.89
40	2299	38	0.36	230	2.19	90	2404	146	1.39	7175	68.28
41	2301	37	0.35	267	2.54	91	2407	152	1.45	7327	69.73
42	2303	38	0.36	305	2.90	92	2409	142	1.35	7469	71.08
43	2306	46	0.44	351	3.34	93	2411	144	1.37	7613	72.45
44	2308	52	0.49	403	3.84	94	2414	149	1.42	7762	73.87
45	2310	63	0.60	466	4.43	95	2416	132	1.26	7894	75.12
46	2312	50	0.48	516	4.91	96	2418	123	1.17	8017	76.29
47	2314	64	0.61	580	5.52	97	2421	149	1.42	8166	77.71
48	2316	94	0.89	674	6.41	98	2423	134	1.28	8300	78.99
49	2319	79	0.75	753	7.17	99	2426	139	1.32	8439	80.31

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Table 9.135: Spring 2013 AZELLA Stage II Form A Frequency Distribution at Grade 1

100	2428	110	1.05	8549	81.36
101	2431	133	1.27	8682	82.62
102	2433	110	1.05	8792	83.67
103	2436	119	1.13	8911	84.80
104	2439	113	1.08	9024	85.88
105	2441	102	0.97	9126	86.85
106	2444	111	1.06	9237	87.90
107	2447	100	0.95	9337	88.86
108	2450	99	0.94	9436	89.80
109	2453	85	0.81	9521	90.61
110	2455	86	0.82	9607	91.43
111	2458	85	0.81	9692	92.23
112	2461	78	0.74	9770	92.98
113	2465	86	0.82	9856	93.80
114	2468	63	0.60	9919	94.39
115	2471	62	0.59	9981	94.98
116	2474	53	0.50	10034	95.49
117	2478	46	0.44	10080	95.93
118	2481	47	0.45	10127	96.37
119	2485	65	0.62	10192	96.99
120	2489	48	0.46	10240	97.45
121	2492	49	0.47	10289	97.92
122	2496	34	0.32	10323	98.24
123	2501	32	0.30	10355	98.54
124	2505	30	0.29	10385	98.83
125	2509	25	0.24	10410	99.07
126	2514	26	0.25	10436	99.31
127	2519	16	0.15	10452	99.47
128	2524	15	0.14	10467	99.61
129	2529	15	0.14	10482	99.75
130	2535	9	0.09	10491	99.84
131	2541	6	0.06	10497	99.90
132	2548	5	0.05	10502	99.94
133	2555	3	0.03	10505	99.97
134	2562	0	0.00	10505	99.97
135	2570	2	0.02	10507	99.99
136	2579	0	0.00	10507	99.99
137	2588	0	0.00	10507	99.99
138	2599	1	0.01	10508	100.00
139	2611	0	0.00	10508	100.00
140	2624	0	0.00	10508	100.00
141	2640	0	0.00	10508	100.00
142	2659	0	0.00	10508	100.00
143	2681	0	0.00	10508	100.00
144	2710	0	0.00	10508	100.00
145	2749	0	0.00	10508	100.00
146	2803	0	0.00	10508	100.00
147	2879	0	0.00	10508	100.00
148	3000	0	0.00	10508	100.00

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Table 9.136: Spring 2013 AZELLA Stage II Form B 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 9.136: Spring 2013 AZELLA Stage II Form B 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 9.137: Spring 2013 AZELLA Stage II Form A 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	2321	12	0.12	183	1.83
1	2036	0	0.00	0	0.00	51	2323	25	0.25	208	2.08
2	2081	0	0.00	0	0.00	52	2325	18	0.18	226	2.26
3	2108	0	0.00	0	0.00	53	2327	22	0.22	248	2.48
4	2128	0	0.00	0	0.00	54	2329	23	0.23	271	2.71
5	2143	0	0.00	0	0.00	55	2331	31	0.31	302	3.02
6	2156	0	0.00	0	0.00	56	2333	27	0.27	329	3.29
7	2166	0	0.00	0	0.00	57	2335	30	0.30	359	3.58
8	2176	0	0.00	0	0.00	58	2337	28	0.28	387	3.86
9	2184	0	0.00	0	0.00	**59**	**2339**	**21**	**0.21**	**408**	**4.07**
10	2192	0	0.00	0	0.00	60	2341	25	0.25	433	4.32
11	2199	0	0.00	0	0.00	61	2343	45	0.45	478	4.77
12	2205	0	0.00	0	0.00	62	2345	41	0.41	519	5.18
13	2211	0	0.00	0	0.00	63	2347	36	0.36	555	5.54
14	2216	0	0.00	0	0.00	64	2349	37	0.37	592	5.91
15	2221	0	0.00	0	0.00	65	2351	32	0.32	624	6.23
16	2226	0	0.00	0	0.00	66	2353	47	0.47	671	6.70
17	2231	1	0.01	1	0.01	67	2355	54	0.54	725	7.24
18	2235	2	0.02	3	0.03	68	2358	54	0.54	779	7.78
19	2239	0	0.00	3	0.03	69	2360	63	0.63	842	8.41
20	2243	0	0.00	3	0.03	70	2362	57	0.57	899	8.98
21	2246	0	0.00	3	0.03	71	2364	59	0.59	958	9.57
22	2250	0	0.00	3	0.03	72	2366	57	0.57	1015	10.13
23	2253	1	0.01	4	0.04	73	2368	75	0.75	1090	10.88
24	2257	2	0.02	6	0.06	74	2370	68	0.68	1158	11.56
25	2260	0	0.00	6	0.06	75	2372	69	0.69	1227	12.25
26	2263	0	0.00	6	0.06	76	2374	61	0.61	1288	12.86
27	2266	6	0.06	12	0.12	77	2376	80	0.80	1368	13.66
28	2269	2	0.02	14	0.14	78	2378	85	0.85	1453	14.51
29	2272	0	0.00	14	0.14	79	2380	97	0.97	1550	15.48
30	2274	3	0.03	17	0.17	80	2382	96	0.96	1646	16.44
31	2277	2	0.02	19	0.19	**81**	**2385**	**90**	**0.90**	**1736**	**17.33**
32	2280	4	0.04	23	0.23	82	2387	96	0.96	1832	18.29
33	2282	3	0.03	26	0.26	83	2389	99	0.99	1931	19.28
34	2285	5	0.05	31	0.31	84	2391	94	0.94	2025	20.22
35	2287	3	0.03	34	0.34	85	2393	101	1.01	2126	21.23
36	2290	6	0.06	40	0.40	86	2395	112	1.12	2238	22.35
37	2292	3	0.03	43	0.43	87	2398	134	1.34	2372	23.68
38	2294	9	0.09	52	0.52	88	2400	129	1.29	2501	24.97
39	2297	7	0.07	59	0.59	89	2402	130	1.30	2631	26.27
40	2299	7	0.07	66	0.66	90	2404	124	1.24	2755	27.51
41	2301	12	0.12	78	0.78	91	2407	105	1.05	2860	28.56
42	2303	12	0.12	90	0.90	92	2409	143	1.43	3003	29.99
43	2306	7	0.07	97	0.97	93	2411	138	1.38	3141	31.36
44	2308	10	0.10	107	1.07	94	2414	136	1.36	3277	32.72
45	2310	6	0.06	113	1.13	95	2416	148	1.48	3425	34.20
46	2312	17	0.17	130	1.30	96	2418	158	1.58	3583	35.78
47	2314	9	0.09	139	1.39	97	2421	166	1.66	3749	37.43
48	2316	16	0.16	155	1.55	98	2423	179	1.79	3928	39.22
49	2319	16	0.16	171	1.71	99	2426	146	1.46	4074	40.68

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Table 9.137: Spring 2013 AZELLA Stage II Form A Frequency Distribution at Grade 2

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	**2428**	**165**	**1.65**	**4239**	**42.33**						
101	2431	161	1.61	4400	43.93						
102	2433	151	1.51	4551	45.44						
103	2436	186	1.86	4737	47.30						
104	2439	196	1.96	4933	49.26						
105	2441	189	1.89	5122	51.14						
106	2444	179	1.79	5301	52.93						
107	2447	187	1.87	5488	54.80						
108	2450	216	2.16	5704	56.95						
109	2453	189	1.89	5893	58.84						
110	2455	203	2.03	6096	60.87						
111	2458	198	1.98	6294	62.85						
112	2461	212	2.12	6506	64.96						
113	2465	228	2.28	6734	67.24						
114	2468	190	1.90	6924	69.14						
115	2471	237	2.37	7161	71.50						
116	2474	196	1.96	7357	73.46						
117	2478	186	1.86	7543	75.32						
118	2481	181	1.81	7724	77.12						
119	2485	193	1.93	7917	79.05						
120	2489	190	1.90	8107	80.95						
121	2492	191	1.91	8298	82.86						
122	2496	180	1.80	8478	84.65						
123	2501	179	1.79	8657	86.44						
124	2505	206	2.06	8863	88.50						
125	2509	154	1.54	9017	90.03						
126	2514	150	1.50	9167	91.53						
127	2519	149	1.49	9316	93.02						
128	2524	149	1.49	9465	94.51						
129	2529	111	1.11	9576	95.62						
130	2535	87	0.87	9663	96.49						
131	2541	100	1.00	9763	97.48						
132	2548	60	0.60	9823	98.08						
133	2555	65	0.65	9888	98.73						
134	2562	39	0.39	9927	99.12						
135	2570	35	0.35	9962	99.47						
136	2579	22	0.22	9984	99.69						
137	2588	17	0.17	10001	99.86						
138	2599	5	0.05	10006	99.91						
139	2611	6	0.06	10012	99.97						
140	2624	1	0.01	10013	99.98						
141	2640	1	0.01	10014	99.99						
142	2659	1	0.01	10015	100.00						
143	2681	0	0.00	10015	100.00						
144	2710	0	0.00	10015	100.00						
145	2749	0	0.00	10015	100.00						
146	2803	0	0.00	10015	100.00						
147	2879	0	0.00	10015	100.00						
148	3000	0	0.00	10015	100.00						

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Table 9.138: Spring 2013 AZELLA Stage II Form B 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 9.138: Spring 2013 AZELLA Stage II Form B 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 9.139: Spring 2013 AZELLA Stage III Form A 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	2352	23	0.27	280	3.31
1	2097	0	0.00	0	0.00	51	2354	29	0.34	309	3.65
2	2141	0	0.00	0	0.00	52	2356	29	0.34	338	3.99
3	2167	0	0.00	0	0.00	53	2358	33	0.39	371	4.38
4	2185	0	0.00	0	0.00	54	2359	36	0.43	407	4.81
5	2199	0	0.00	0	0.00	55	2361	42	0.50	449	5.30
6	2211	0	0.00	0	0.00	56	2363	29	0.34	478	5.64
7	2220	0	0.00	0	0.00	57	2365	48	0.57	526	6.21
8	2229	1	0.01	1	0.01	58	2367	31	0.37	557	6.58
9	2236	1	0.01	2	0.02	59	2369	49	0.58	606	7.16
10	2242	1	0.01	3	0.04	**60**	**2371**	**53**	**0.63**	**659**	**7.78**
11	2248	0	0.00	3	0.04	61	2373	46	0.54	705	8.32
12	2253	0	0.00	3	0.04	62	2375	63	0.74	768	9.07
13	2258	0	0.00	3	0.04	63	2377	62	0.73	830	9.80
14	2263	0	0.00	3	0.04	64	2379	58	0.68	888	10.49
15	2267	0	0.00	3	0.04	65	2381	58	0.68	946	11.17
16	2271	1	0.01	4	0.05	66	2383	56	0.66	1002	11.83
17	2275	0	0.00	4	0.05	67	2385	68	0.80	1070	12.63
18	2278	0	0.00	4	0.05	68	2387	83	0.98	1153	13.61
19	2281	1	0.01	5	0.06	69	2389	71	0.84	1224	14.45
20	2285	1	0.01	6	0.07	70	2391	79	0.93	1303	15.39
21	2288	1	0.01	7	0.08	71	2393	66	0.78	1369	16.16
22	2291	4	0.05	11	0.13	72	2395	74	0.87	1443	17.04
23	2293	3	0.04	14	0.17	73	2397	70	0.83	1513	17.87
24	2296	3	0.04	17	0.20	74	2399	89	1.05	1602	18.92
25	2299	4	0.05	21	0.25	75	2401	94	1.11	1696	20.03
26	2301	5	0.06	26	0.31	76	2403	102	1.20	1798	21.23
27	2304	2	0.02	28	0.33	77	2405	97	1.15	1895	22.38
28	2306	6	0.07	34	0.40	78	2407	95	1.12	1990	23.50
29	2309	13	0.15	47	0.55	79	2409	104	1.23	2094	24.73
30	2311	4	0.05	51	0.60	80	2411	114	1.35	2208	26.07
31	2313	3	0.04	54	0.64	81	2413	118	1.39	2326	27.46
32	2315	5	0.06	59	0.70	**82**	**2415**	**106**	**1.25**	**2432**	**28.72**
33	2318	3	0.04	62	0.73	83	2417	120	1.42	2552	30.13
34	2320	10	0.12	72	0.85	84	2419	117	1.38	2669	31.51
35	2322	7	0.08	79	0.93	85	2421	112	1.32	2781	32.84
36	2324	9	0.11	88	1.04	86	2423	107	1.26	2888	34.10
37	2326	9	0.11	97	1.15	87	2426	135	1.59	3023	35.69
38	2328	5	0.06	102	1.20	88	2428	119	1.41	3142	37.10
39	2330	10	0.12	112	1.32	89	2430	122	1.44	3264	38.54
40	2332	6	0.07	118	1.39	90	2432	115	1.36	3379	39.90
41	2334	10	0.12	128	1.51	91	2434	133	1.57	3512	41.47
42	2336	12	0.14	140	1.65	92	2436	138	1.63	3650	43.10
43	2338	13	0.15	153	1.81	93	2439	128	1.51	3778	44.61
44	2340	10	0.12	163	1.92	94	2441	113	1.33	3891	45.94
45	2342	11	0.13	174	2.05	95	2443	130	1.54	4021	47.48
46	2344	14	0.17	188	2.22	96	2445	130	1.54	4151	49.01
47	2346	23	0.27	211	2.49	97	2447	140	1.65	4291	50.67
48	2348	16	0.19	227	2.68	98	2450	140	1.65	4431	52.32
49	2350	30	0.35	257	3.03	99	2452	141	1.66	4572	53.99

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Table 9.139: Spring 2013 AZELLA Stage III Form A Frequency Distribution at Grade 3

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2454	145	1.71	4717	55.70	150	2635	1	0.01	8467	99.98
101	**2457**	**159**	**1.88**	**4876**	**57.57**	151	2644	2	0.02	8469	100.00
102	2459	154	1.82	5030	59.39	152	2652	0	0.00	8469	100.00
103	2461	156	1.84	5186	61.24	153	2662	0	0.00	8469	100.00
104	2464	145	1.71	5331	62.95	154	2673	0	0.00	8469	100.00
105	2466	139	1.64	5470	64.59	155	2684	0	0.00	8469	100.00
106	2468	133	1.57	5603	66.16	156	2697	0	0.00	8469	100.00
107	2471	133	1.57	5736	67.73	157	2712	0	0.00	8469	100.00
108	2473	145	1.71	5881	69.44	158	2728	0	0.00	8469	100.00
109	2476	139	1.64	6020	71.08	159	2747	0	0.00	8469	100.00
110	2478	153	1.81	6173	72.89	160	2769	0	0.00	8469	100.00
111	2481	141	1.66	6314	74.55	161	2797	0	0.00	8469	100.00
112	2483	117	1.38	6431	75.94	162	2832	0	0.00	8469	100.00
113	2486	136	1.61	6567	77.54	163	2886	0	0.00	8469	100.00
114	2488	114	1.35	6681	78.89	164	3000	0	0.00	8469	100.00
115	2491	126	1.49	6807	80.38						
116	2494	127	1.50	6934	81.88						
117	2496	113	1.33	7047	83.21						
118	2499	103	1.22	7150	84.43						
119	2502	112	1.32	7262	85.75						
120	2505	97	1.15	7359	86.89						
121	2508	91	1.07	7450	87.97						
122	2510	85	1.00	7535	88.97						
123	2513	107	1.26	7642	90.23						
124	2516	88	1.04	7730	91.27						
125	2519	86	1.02	7816	92.29						
126	2523	63	0.74	7879	93.03						
127	2526	89	1.05	7968	94.08						
128	2529	61	0.72	8029	94.80						
129	2532	73	0.86	8102	95.67						
130	2536	55	0.65	8157	96.32						
131	2539	52	0.61	8209	96.93						
132	2543	40	0.47	8249	97.40						
133	2547	41	0.48	8290	97.89						
134	2550	29	0.34	8319	98.23						
135	2554	30	0.35	8349	98.58						
136	2558	25	0.30	8374	98.88						
137	2562	21	0.25	8395	99.13						
138	2567	20	0.24	8415	99.36						
139	2571	12	0.14	8427	99.50						
140	2576	5	0.06	8432	99.56						
141	2580	7	0.08	8439	99.65						
142	2585	4	0.05	8443	99.69						
143	2591	5	0.06	8448	99.75						
144	2596	5	0.06	8453	99.81						
145	2602	8	0.09	8461	99.91						
146	2608	3	0.04	8464	99.94						
147	2614	2	0.02	8466	99.96						
148	2621	0	0.00	8466	99.96						
149	2628	0	0.00	8466	99.96						

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Table 9.140: Spring 2013 AZELLA Stage III Form B 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 9.140: Spring 2013 AZELLA Stage III Form B 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 9.141: Spring 2013 AZELLA Stage III Form A 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	2352	6	0.10	126	2.02
1	2097	0	0.00	0	0.00	51	2354	10	0.16	136	2.18
2	2141	2	0.03	2	0.03	52	2356	8	0.13	144	2.31
3	2167	1	0.02	3	0.05	53	2358	11	0.18	155	2.49
4	2185	0	0.00	3	0.05	54	2359	10	0.16	165	2.65
5	2199	0	0.00	3	0.05	55	2361	18	0.29	183	2.93
6	2211	0	0.00	3	0.05	56	2363	7	0.11	190	3.05
7	2220	0	0.00	3	0.05	57	2365	13	0.21	203	3.26
8	2229	0	0.00	3	0.05	58	2367	14	0.22	217	3.48
9	2236	0	0.00	3	0.05	59	2369	13	0.21	230	3.69
10	2242	1	0.02	4	0.06	60	2371	27	0.43	257	4.12
11	2248	0	0.00	4	0.06	61	2373	22	0.35	279	4.47
12	2253	0	0.00	4	0.06	62	2375	25	0.40	304	4.87
13	2258	0	0.00	4	0.06	63	2377	30	0.48	334	5.36
14	2263	1	0.02	5	0.08	64	2379	16	0.26	350	5.61
15	2267	0	0.00	5	0.08	65	2381	24	0.38	374	6.00
16	2271	0	0.00	5	0.08	66	2383	20	0.32	394	6.32
17	2275	0	0.00	5	0.08	67	2385	24	0.38	418	6.70
18	2278	0	0.00	5	0.08	68	2387	35	0.56	453	7.26
19	2281	0	0.00	5	0.08	69	2389	31	0.50	484	7.76
20	2285	2	0.03	7	0.11	**70**	**2391**	**29**	**0.47**	**513**	**8.23**
21	2288	0	0.00	7	0.11	71	2393	24	0.38	537	8.61
22	2291	0	0.00	7	0.11	72	2395	35	0.56	572	9.17
23	2293	0	0.00	7	0.11	73	2397	30	0.48	602	9.65
24	2296	0	0.00	7	0.11	74	2399	46	0.74	648	10.39
25	2299	3	0.05	10	0.16	75	2401	36	0.58	684	10.97
26	2301	2	0.03	12	0.19	76	2403	41	0.66	725	11.63
27	2304	2	0.03	14	0.22	77	2405	39	0.63	764	12.25
28	2306	4	0.06	18	0.29	78	2407	43	0.69	807	12.94
29	2309	1	0.02	19	0.30	79	2409	49	0.79	856	13.73
30	2311	6	0.10	25	0.40	80	2411	43	0.69	899	14.42
31	2313	1	0.02	26	0.42	81	2413	47	0.75	946	15.17
32	2315	3	0.05	29	0.47	82	2415	52	0.83	998	16.00
33	2318	2	0.03	31	0.50	83	2417	55	0.88	1053	16.89
34	2320	3	0.05	34	0.55	84	2419	50	0.80	1103	17.69
35	2322	1	0.02	35	0.56	85	2421	57	0.91	1160	18.60
36	2324	3	0.05	38	0.61	86	2423	53	0.85	1213	19.45
37	2326	3	0.05	41	0.66	87	2426	68	1.09	1281	20.54
38	2328	3	0.05	44	0.71	88	2428	55	0.88	1336	21.42
39	2330	10	0.16	54	0.87	89	2430	67	1.07	1403	22.50
40	2332	9	0.14	63	1.01	90	2432	59	0.95	1462	23.44
41	2334	3	0.05	66	1.06	**91**	**2434**	**61**	**0.98**	**1523**	**24.42**
42	2336	5	0.08	71	1.14	92	2436	87	1.40	1610	25.82
43	2338	7	0.11	78	1.25	93	2439	88	1.41	1698	27.23
44	2340	5	0.08	83	1.33	94	2441	73	1.17	1771	28.40
45	2342	9	0.14	92	1.48	95	2443	84	1.35	1855	29.75
46	2344	8	0.13	100	1.60	96	2445	84	1.35	1939	31.09
47	2346	6	0.10	106	1.70	97	2447	96	1.54	2035	32.63
48	2348	5	0.08	111	1.78	98	2450	103	1.65	2138	34.28
49	2350	9	0.14	120	1.92	99	2452	103	1.65	2241	35.94

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Table 9.141: Spring 2013 AZELLA Stage III Form A Frequency Distribution at Grade 4

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2454	103	1.65	2344	37.59	150	2635	2	0.03	6233	99.95
101	2457	111	1.78	2455	39.37	151	2644	1	0.02	6234	99.97
102	2459	104	1.67	2559	41.04	152	2652	1	0.02	6235	99.98
103	2461	84	1.35	2643	42.38	153	2662	1	0.02	6236	100.00
104	2464	109	1.75	2752	44.13	154	2673	0	0.00	6236	100.00
105	2466	119	1.91	2871	46.04	155	2684	0	0.00	6236	100.00
106	2468	116	1.86	2987	47.90	156	2697	0	0.00	6236	100.00
107	2471	124	1.99	3111	49.89	157	2712	0	0.00	6236	100.00
108	**2473**	**97**	**1.56**	**3208**	**51.44**	158	2728	0	0.00	6236	100.00
109	2476	119	1.91	3327	53.35	159	2747	0	0.00	6236	100.00
110	2478	108	1.73	3435	55.08	160	2769	0	0.00	6236	100.00
111	2481	139	2.23	3574	57.31	161	2797	0	0.00	6236	100.00
112	2483	122	1.96	3696	59.27	162	2832	0	0.00	6236	100.00
113	2486	125	2.00	3821	61.27	163	2886	0	0.00	6236	100.00
114	2488	121	1.94	3942	63.21	164	3000	0	0.00	6236	100.00
115	2491	119	1.91	4061	65.12						
116	2494	125	2.00	4186	67.13						
117	2496	131	2.10	4317	69.23						
118	2499	132	2.12	4449	71.34						
119	2502	136	2.18	4585	73.52						
120	2505	116	1.86	4701	75.38						
121	2508	118	1.89	4819	77.28						
122	2510	130	2.08	4949	79.36						
123	2513	101	1.62	5050	80.98						
124	2516	103	1.65	5153	82.63						
125	2519	91	1.46	5244	84.09						
126	2523	107	1.72	5351	85.81						
127	2526	91	1.46	5442	87.27						
128	2529	97	1.56	5539	88.82						
129	2532	57	0.91	5596	89.74						
130	2536	72	1.15	5668	90.89						
131	2539	55	0.88	5723	91.77						
132	2543	55	0.88	5778	92.66						
133	2547	68	1.09	5846	93.75						
134	2550	49	0.79	5895	94.53						
135	2554	62	0.99	5957	95.53						
136	2558	38	0.61	5995	96.14						
137	2562	42	0.67	6037	96.81						
138	2567	33	0.53	6070	97.34						
139	2571	36	0.58	6106	97.92						
140	2576	33	0.53	6139	98.44						
141	2580	18	0.29	6157	98.73						
142	2585	11	0.18	6168	98.91						
143	2591	20	0.32	6188	99.23						
144	2596	11	0.18	6199	99.41						
145	2602	9	0.14	6208	99.55						
146	2608	5	0.08	6213	99.63						
147	2614	9	0.14	6222	99.78						
148	2621	4	0.06	6226	99.84						
149	2628	5	0.08	6231	99.92						

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Table 9.142: Spring 2013 AZELLA Stage III Form B 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 9.142: Spring 2013 AZELLA Stage III Form B 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 9.143: Spring 2013 AZELLA Stage III Form A 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	2352	2	0.04	88	1.95
1	2097	0	0.00	0	0.00	51	2354	6	0.13	94	2.09
2	2141	0	0.00	0	0.00	52	2356	6	0.13	100	2.22
3	2167	0	0.00	0	0.00	53	2358	4	0.09	104	2.31
4	2185	0	0.00	0	0.00	54	2359	8	0.18	112	2.48
5	2199	0	0.00	0	0.00	55	2361	3	0.07	115	2.55
6	2211	0	0.00	0	0.00	56	2363	8	0.18	123	2.73
7	2220	0	0.00	0	0.00	57	2365	9	0.20	132	2.93
8	2229	0	0.00	0	0.00	58	2367	6	0.13	138	3.06
9	2236	0	0.00	0	0.00	59	2369	7	0.16	145	3.22
10	2242	0	0.00	0	0.00	60	2371	9	0.20	154	3.42
11	2248	0	0.00	0	0.00	61	2373	12	0.27	166	3.68
12	2253	0	0.00	0	0.00	62	2375	10	0.22	176	3.90
13	2258	0	0.00	0	0.00	63	2377	13	0.29	189	4.19
14	2263	1	0.02	1	0.02	64	2379	11	0.24	200	4.44
15	2267	0	0.00	1	0.02	65	2381	12	0.27	212	4.70
16	2271	1	0.02	2	0.04	66	2383	11	0.24	223	4.95
17	2275	1	0.02	3	0.07	67	2385	13	0.29	236	5.24
18	2278	2	0.04	5	0.11	68	2387	11	0.24	247	5.48
19	2281	0	0.00	5	0.11	69	2389	13	0.29	260	5.77
20	2285	1	0.02	6	0.13	70	2391	18	0.40	278	6.17
21	2288	1	0.02	7	0.16	71	2393	16	0.35	294	6.52
22	2291	2	0.04	9	0.20	72	2395	20	0.44	314	6.97
23	2293	0	0.00	9	0.20	73	2397	23	0.51	337	7.48
24	2296	0	0.00	9	0.20	74	2399	23	0.51	360	7.99
25	2299	2	0.04	11	0.24	**75**	**2401**	**19**	**0.42**	**379**	**8.41**
26	2301	0	0.00	11	0.24	76	2403	17	0.38	396	8.78
27	2304	1	0.02	12	0.27	77	2405	21	0.47	417	9.25
28	2306	5	0.11	17	0.38	78	2407	23	0.51	440	9.76
29	2309	2	0.04	19	0.42	79	2409	23	0.51	463	10.27
30	2311	1	0.02	20	0.44	80	2411	29	0.64	492	10.91
31	2313	1	0.02	21	0.47	81	2413	26	0.58	518	11.49
32	2315	1	0.02	22	0.49	82	2415	28	0.62	546	12.11
33	2318	1	0.02	23	0.51	83	2417	31	0.69	577	12.80
34	2320	1	0.02	24	0.53	84	2419	31	0.69	608	13.49
35	2322	3	0.07	27	0.60	85	2421	33	0.73	641	14.22
36	2324	1	0.02	28	0.62	86	2423	37	0.82	678	15.04
37	2326	1	0.02	29	0.64	87	2426	36	0.80	714	15.84
38	2328	5	0.11	34	0.75	88	2428	40	0.89	754	16.73
39	2330	2	0.04	36	0.80	89	2430	47	1.04	801	17.77
40	2332	7	0.16	43	0.95	90	2432	38	0.84	839	18.61
41	2334	2	0.04	45	1.00	91	2434	39	0.87	878	19.48
42	2336	3	0.07	48	1.06	92	2436	34	0.75	912	20.23
43	2338	3	0.07	51	1.13	93	2439	50	1.11	962	21.34
44	2340	4	0.09	55	1.22	94	2441	50	1.11	1012	22.45
45	2342	5	0.11	60	1.33	**95**	**2443**	**60**	**1.33**	**1072**	**23.78**
46	2344	4	0.09	64	1.42	96	2445	48	1.06	1120	24.84
47	2346	7	0.16	71	1.57	97	2447	61	1.35	1181	26.20
48	2348	6	0.13	77	1.71	98	2450	52	1.15	1233	27.35
49	2350	9	0.20	86	1.91	99	2452	66	1.46	1299	28.82

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Table 9.143: Spring 2013 AZELLA Stage III Form A Frequency Distribution at Grade 5

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2454	56	1.24	1355	30.06	150	2635	2	0.04	4500	99.82
101	2457	89	1.97	1444	32.03	151	2644	4	0.09	4504	99.91
102	2459	69	1.53	1513	33.56	152	2652	0	0.00	4504	99.91
103	2461	60	1.33	1573	34.89	153	2662	0	0.00	4504	99.91
104	2464	74	1.64	1647	36.54	154	2673	3	0.07	4507	99.98
105	2466	90	2.00	1737	38.53	155	2684	1	0.02	4508	100.00
106	2468	77	1.71	1814	40.24	156	2697	0	0.00	4508	100.00
107	2471	93	2.06	1907	42.30	157	2712	0	0.00	4508	100.00
108	**2473**	**77**	**1.71**	**1984**	**44.01**	158	2728	0	0.00	4508	100.00
109	2476	91	2.02	2075	46.03	159	2747	0	0.00	4508	100.00
110	2478	84	1.86	2159	47.89	160	2769	0	0.00	4508	100.00
111	2481	90	2.00	2249	49.89	161	2797	0	0.00	4508	100.00
112	2483	84	1.86	2333	51.75	162	2832	0	0.00	4508	100.00
113	2486	117	2.60	2450	54.35	163	2886	0	0.00	4508	100.00
114	2488	101	2.24	2551	56.59	164	3000	0	0.00	4508	100.00
115	2491	90	2.00	2641	58.58						
116	2494	97	2.15	2738	60.74						
117	2496	92	2.04	2830	62.78						
118	2499	89	1.97	2919	64.75						
119	2502	109	2.42	3028	67.17						
120	2505	89	1.97	3117	69.14						
121	2508	118	2.62	3235	71.76						
122	2510	82	1.82	3317	73.58						
123	2513	107	2.37	3424	75.95						
124	2516	92	2.04	3516	77.99						
125	2519	87	1.93	3603	79.92						
126	2523	66	1.46	3669	81.39						
127	2526	76	1.69	3745	83.07						
128	2529	70	1.55	3815	84.63						
129	2532	69	1.53	3884	86.16						
130	2536	73	1.62	3957	87.78						
131	2539	54	1.20	4011	88.98						
132	2543	68	1.51	4079	90.48						
133	2547	58	1.29	4137	91.77						
134	2550	51	1.13	4188	92.90						
135	2554	42	0.93	4230	93.83						
136	2558	42	0.93	4272	94.76						
137	2562	30	0.67	4302	95.43						
138	2567	34	0.75	4336	96.18						
139	2571	29	0.64	4365	96.83						
140	2576	26	0.58	4391	97.40						
141	2580	24	0.53	4415	97.94						
142	2585	21	0.47	4436	98.40						
143	2591	12	0.27	4448	98.67						
144	2596	12	0.27	4460	98.94						
145	2602	8	0.18	4468	99.11						
146	2608	13	0.29	4481	99.40						
147	2614	8	0.18	4489	99.58						
148	2621	3	0.07	4492	99.65						
149	2628	6	0.13	4498	99.78						

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Table 9.144: Spring 2013 AZELLA Stage III Form B 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 9.144: Spring 2013 AZELLA Stage III Form B 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 9.145: Spring 2013 AZELLA Stage IV Form A 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	2383	4	0.09	103	2.24
1	2115	0	0.00	0	0.00	51	2385	7	0.15	110	2.40
2	2160	0	0.00	0	0.00	52	2387	9	0.20	119	2.59
3	2186	0	0.00	0	0.00	53	2389	7	0.15	126	2.75
4	2205	0	0.00	0	0.00	54	2391	9	0.20	135	2.94
5	2219	0	0.00	0	0.00	55	2393	6	0.13	141	3.07
6	2232	0	0.00	0	0.00	56	2394	11	0.24	152	3.31
7	2242	0	0.00	0	0.00	57	2396	14	0.31	166	3.62
8	2251	1	0.02	1	0.02	58	2398	10	0.22	176	3.83
9	2258	0	0.00	1	0.02	59	2400	19	0.41	195	4.25
10	2265	1	0.02	2	0.04	60	2402	15	0.33	210	4.58
11	2272	0	0.00	2	0.04	**61**	**2404**	**14**	**0.31**	**224**	**4.88**
12	2278	0	0.00	2	0.04	62	2405	12	0.26	236	5.14
13	2283	0	0.00	2	0.04	63	2407	15	0.33	251	5.47
14	2288	0	0.00	2	0.04	64	2409	11	0.24	262	5.71
15	2293	0	0.00	2	0.04	65	2411	11	0.24	273	5.95
16	2297	0	0.00	2	0.04	66	2413	18	0.39	291	6.34
17	2301	0	0.00	2	0.04	67	2414	20	0.44	311	6.78
18	2305	0	0.00	2	0.04	68	2416	22	0.48	333	7.25
19	2309	0	0.00	2	0.04	69	2418	22	0.48	355	7.73
20	2312	0	0.00	2	0.04	70	2420	17	0.37	372	8.10
21	2316	0	0.00	2	0.04	71	2422	16	0.35	388	8.45
22	2319	0	0.00	2	0.04	72	2424	28	0.61	416	9.06
23	2322	0	0.00	2	0.04	73	2425	21	0.46	437	9.52
24	2325	2	0.04	4	0.09	74	2427	37	0.81	474	10.33
25	2328	0	0.00	4	0.09	75	2429	32	0.70	506	11.02
26	2331	0	0.00	4	0.09	76	2431	19	0.41	525	11.44
27	2333	2	0.04	6	0.13	77	2433	30	0.65	555	12.09
28	2336	3	0.07	9	0.20	78	2435	39	0.85	594	12.94
29	2339	1	0.02	10	0.22	79	2437	31	0.68	625	13.62
30	2341	1	0.02	11	0.24	80	2439	24	0.52	649	14.14
31	2344	5	0.11	16	0.35	81	2440	36	0.78	685	14.92
32	2346	3	0.07	19	0.41	82	2442	45	0.98	730	15.90
33	2348	2	0.04	21	0.46	**83**	**2444**	**33**	**0.72**	**763**	**16.62**
34	2351	2	0.04	23	0.50	84	2446	45	0.98	808	17.60
35	2353	3	0.07	26	0.57	85	2448	41	0.89	849	18.50
36	2355	4	0.09	30	0.65	86	2450	40	0.87	889	19.37
37	2357	1	0.02	31	0.68	87	2452	54	1.18	943	20.54
38	2359	6	0.13	37	0.81	88	2454	52	1.13	995	21.68
39	2361	4	0.09	41	0.89	89	2456	49	1.07	1044	22.75
40	2364	5	0.11	46	1.00	90	2458	61	1.33	1105	24.07
41	2366	6	0.13	52	1.13	91	2460	64	1.39	1169	25.47
42	2368	5	0.11	57	1.24	92	2462	73	1.59	1242	27.06
43	2370	6	0.13	63	1.37	93	2464	75	1.63	1317	28.69
44	2372	7	0.15	70	1.53	94	2466	85	1.85	1402	30.54
45	2374	6	0.13	76	1.66	95	2468	78	1.70	1480	32.24
46	2376	3	0.07	79	1.72	96	2470	68	1.48	1548	33.73
47	2377	8	0.17	87	1.90	97	2472	81	1.76	1629	35.49
48	2379	10	0.22	97	2.11	98	2474	64	1.39	1693	36.88
49	2381	2	0.04	99	2.16	99	2476	94	2.05	1787	38.93

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Table 9.145: Spring 2013 AZELLA Stage IV Form A Frequency Distribution at Grade 6

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	**2478**	**67**	**1.46**	**1854**	**40.39**	150	2635	5	0.11	4574	99.65
101	2480	75	1.63	1929	42.03	151	2641	3	0.07	4577	99.72
102	2482	75	1.63	2004	43.66	152	2647	2	0.04	4579	99.76
103	2485	93	2.03	2097	45.69	153	2654	4	0.09	4583	99.85
104	2487	90	1.96	2187	47.65	154	2661	3	0.07	4586	99.91
105	2489	87	1.90	2274	49.54	155	2669	2	0.04	4588	99.96
106	2491	110	2.40	2384	51.94	156	2677	2	0.04	4590	100.00
107	2493	86	1.87	2470	53.81	157	2686	0	0.00	4590	100.00
108	2496	111	2.42	2581	56.23	158	2696	0	0.00	4590	100.00
109	2498	90	1.96	2671	58.19	159	2706	0	0.00	4590	100.00
110	2500	91	1.98	2762	60.17	160	2717	0	0.00	4590	100.00
111	2502	91	1.98	2853	62.16	161	2728	0	0.00	4590	100.00
112	2505	99	2.16	2952	64.31	162	2741	0	0.00	4590	100.00
113	2507	84	1.83	3036	66.14	163	2754	0	0.00	4590	100.00
114	2509	88	1.92	3124	68.06	164	2768	0	0.00	4590	100.00
115	2512	92	2.00	3216	70.07	165	2784	0	0.00	4590	100.00
116	2514	93	2.03	3309	72.09	166	2801	0	0.00	4590	100.00
117	2517	77	1.68	3386	73.77	167	2820	0	0.00	4590	100.00
118	2519	94	2.05	3480	75.82	168	2841	0	0.00	4590	100.00
119	2522	74	1.61	3554	77.43	169	2867	0	0.00	4590	100.00
120	2524	76	1.66	3630	79.08	170	2901	0	0.00	4590	100.00
121	2527	68	1.48	3698	80.57	171	2953	0	0.00	4590	100.00
122	2529	68	1.48	3766	82.05	172	3000	0	0.00	4590	100.00
123	2532	55	1.20	3821	83.25						
124	2535	53	1.15	3874	84.40						
125	2537	57	1.24	3931	85.64						
126	2540	59	1.29	3990	86.93						
127	2543	54	1.18	4044	88.10						
128	2546	51	1.11	4095	89.22						
129	2549	63	1.37	4158	90.59						
130	2552	52	1.13	4210	91.72						
131	2555	43	0.94	4253	92.66						
132	2558	39	0.85	4292	93.51						
133	2561	36	0.78	4328	94.29						
134	2565	22	0.48	4350	94.77						
135	2568	34	0.74	4384	95.51						
136	2571	23	0.50	4407	96.01						
137	2575	31	0.68	4438	96.69						
138	2579	24	0.52	4462	97.21						
139	2582	22	0.48	4484	97.69						
140	2586	13	0.28	4497	97.97						
141	2590	16	0.35	4513	98.32						
142	2594	11	0.24	4524	98.56						
143	2599	13	0.28	4537	98.85						
144	2603	5	0.11	4542	98.95						
145	2608	12	0.26	4554	99.22						
146	2613	5	0.11	4559	99.32						
147	2618	6	0.13	4565	99.46						
148	2623	3	0.07	4568	99.52						
149	2629	1	0.02	4569	99.54						

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Table 9.146: Spring 2013 AZELLA Stage IV Form B 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 9.146: Spring 2013 AZELLA Stage IV Form B 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 9.147: Spring 2013 AZELLA Stage IV Form A 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	2383	5	0.16	83	2.66
1	2115	0	0.00	0	0.00	51	2385	6	0.19	89	2.85
2	2160	0	0.00	0	0.00	52	2387	6	0.19	95	3.05
3	2186	0	0.00	0	0.00	53	2389	6	0.19	101	3.24
4	2205	0	0.00	0	0.00	54	2391	5	0.16	106	3.40
5	2219	0	0.00	0	0.00	55	2393	11	0.35	117	3.75
6	2232	0	0.00	0	0.00	56	2394	5	0.16	122	3.91
7	2242	0	0.00	0	0.00	57	2396	7	0.22	129	4.14
8	2251	1	0.03	1	0.03	58	2398	2	0.06	131	4.20
9	2258	0	0.00	1	0.03	59	2400	7	0.22	138	4.42
10	2265	0	0.00	1	0.03	60	2402	9	0.29	147	4.71
11	2272	1	0.03	2	0.06	**61**	**2404**	**9**	**0.29**	**156**	**5.00**
12	2278	0	0.00	2	0.06	62	2405	8	0.26	164	5.26
13	2283	0	0.00	2	0.06	63	2407	19	0.61	183	5.87
14	2288	0	0.00	2	0.06	64	2409	10	0.32	193	6.19
15	2293	0	0.00	2	0.06	65	2411	7	0.22	200	6.41
16	2297	0	0.00	2	0.06	66	2413	11	0.35	211	6.76
17	2301	0	0.00	2	0.06	67	2414	16	0.51	227	7.28
18	2305	0	0.00	2	0.06	68	2416	9	0.29	236	7.57
19	2309	0	0.00	2	0.06	69	2418	14	0.45	250	8.02
20	2312	0	0.00	2	0.06	70	2420	13	0.42	263	8.43
21	2316	1	0.03	3	0.10	71	2422	15	0.48	278	8.91
22	2319	0	0.00	3	0.10	72	2424	8	0.26	286	9.17
23	2322	0	0.00	3	0.10	73	2425	14	0.45	300	9.62
24	2325	0	0.00	3	0.10	74	2427	18	0.58	318	10.20
25	2328	0	0.00	3	0.10	75	2429	15	0.48	333	10.68
26	2331	1	0.03	4	0.13	76	2431	20	0.64	353	11.32
27	2333	1	0.03	5	0.16	77	2433	21	0.67	374	11.99
28	2336	2	0.06	7	0.22	78	2435	30	0.96	404	12.95
29	2339	0	0.00	7	0.22	79	2437	24	0.77	428	13.72
30	2341	1	0.03	8	0.26	80	2439	30	0.96	458	14.68
31	2344	0	0.00	8	0.26	81	2440	21	0.67	479	15.36
32	2346	2	0.06	10	0.32	82	2442	19	0.61	498	15.97
33	2348	2	0.06	12	0.38	**83**	**2444**	**21**	**0.67**	**519**	**16.64**
34	2351	4	0.13	16	0.51	84	2446	24	0.77	543	17.41
35	2353	1	0.03	17	0.55	85	2448	24	0.77	567	18.18
36	2355	3	0.10	20	0.64	86	2450	23	0.74	590	18.92
37	2357	2	0.06	22	0.71	87	2452	34	1.09	624	20.01
38	2359	7	0.22	29	0.93	88	2454	25	0.80	649	20.81
39	2361	3	0.10	32	1.03	89	2456	21	0.67	670	21.48
40	2364	2	0.06	34	1.09	90	2458	37	1.19	707	22.67
41	2366	6	0.19	40	1.28	91	2460	29	0.93	736	23.60
42	2368	7	0.22	47	1.51	92	2462	52	1.67	788	25.26
43	2370	5	0.16	52	1.67	93	2464	42	1.35	830	26.61
44	2372	2	0.06	54	1.73	94	2466	42	1.35	872	27.96
45	2374	4	0.13	58	1.86	95	2468	41	1.31	913	29.27
46	2376	4	0.13	62	1.99	96	2470	39	1.25	952	30.52
47	2377	10	0.32	72	2.31	97	2472	34	1.09	986	31.61
48	2379	2	0.06	74	2.37	98	2474	41	1.31	1027	32.93
49	2381	4	0.13	78	2.50	99	2476	45	1.44	1072	34.37

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Table 9.147: Spring 2013 AZELLA Stage IV Form A Frequency Distribution at Grade 7

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	**2478**	**65**	**2.08**	**1137**	**36.45**	150	2635	3	0.10	3096	99.26
101	2480	65	2.08	1202	38.54	151	2641	3	0.10	3099	99.36
102	2482	51	1.64	1253	40.17	152	2647	5	0.16	3104	99.52
103	2485	47	1.51	1300	41.68	153	2654	4	0.13	3108	99.65
104	2487	45	1.44	1345	43.12	154	2661	5	0.16	3113	99.81
105	2489	59	1.89	1404	45.01	155	2669	1	0.03	3114	99.84
106	2491	68	2.18	1472	47.19	156	2677	3	0.10	3117	99.94
107	2493	54	1.73	1526	48.93	157	2686	1	0.03	3118	99.97
108	2496	57	1.83	1583	50.75	158	2696	0	0.00	3118	99.97
109	2498	58	1.86	1641	52.61	159	2706	1	0.03	3119	100.00
110	2500	67	2.15	1708	54.76	160	2717	0	0.00	3119	100.00
111	2502	54	1.73	1762	56.49	161	2728	0	0.00	3119	100.00
112	2505	58	1.86	1820	58.35	162	2741	0	0.00	3119	100.00
113	2507	65	2.08	1885	60.44	163	2754	0	0.00	3119	100.00
114	2509	63	2.02	1948	62.46	164	2768	0	0.00	3119	100.00
115	2512	65	2.08	2013	64.54	165	2784	0	0.00	3119	100.00
116	2514	75	2.40	2088	66.94	166	2801	0	0.00	3119	100.00
117	2517	71	2.28	2159	69.22	167	2820	0	0.00	3119	100.00
118	2519	57	1.83	2216	71.05	168	2841	0	0.00	3119	100.00
119	2522	59	1.89	2275	72.94	169	2867	0	0.00	3119	100.00
120	2524	63	2.02	2338	74.96	170	2901	0	0.00	3119	100.00
121	2527	53	1.70	2391	76.66	171	2953	0	0.00	3119	100.00
122	2529	42	1.35	2433	78.01	172	3000	0	0.00	3119	100.00
123	2532	49	1.57	2482	79.58						
124	2535	50	1.60	2532	81.18						
125	2537	31	0.99	2563	82.17						
126	2540	32	1.03	2595	83.20						
127	2543	38	1.22	2633	84.42						
128	2546	42	1.35	2675	85.76						
129	2549	49	1.57	2724	87.34						
130	2552	39	1.25	2763	88.59						
131	2555	37	1.19	2800	89.77						
132	2558	34	1.09	2834	90.86						
133	2561	25	0.80	2859	91.66						
134	2565	29	0.93	2888	92.59						
135	2568	23	0.74	2911	93.33						
136	2571	23	0.74	2934	94.07						
137	2575	17	0.55	2951	94.61						
138	2579	19	0.61	2970	95.22						
139	2582	23	0.74	2993	95.96						
140	2586	9	0.29	3002	96.25						
141	2590	22	0.71	3024	96.95						
142	2594	17	0.55	3041	97.50						
143	2599	12	0.38	3053	97.88						
144	2603	8	0.26	3061	98.14						
145	2608	6	0.19	3067	98.33						
146	2613	7	0.22	3074	98.56						
147	2618	5	0.16	3079	98.72						
148	2623	7	0.22	3086	98.94						
149	2629	7	0.22	3093	99.17						

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Table 9.148: Spring 2013 AZELLA Stage IV Form B 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 9.148: Spring 2013 AZELLA Stage IV Form B 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 9.149: Spring 2013 AZELLA Stage IV Form A 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	2383	6	0.28	58	2.71
1	2115	0	0.00	0	0.00	51	2385	4	0.19	62	2.90
2	2160	0	0.00	0	0.00	52	2387	4	0.19	66	3.09
3	2186	0	0.00	0	0.00	53	2389	2	0.09	68	3.18
4	2205	0	0.00	0	0.00	54	2391	0	0.00	68	3.18
5	2219	0	0.00	0	0.00	55	2393	3	0.14	71	3.32
6	2232	0	0.00	0	0.00	56	2394	6	0.28	77	3.60
7	2242	0	0.00	0	0.00	57	2396	6	0.28	83	3.88
8	2251	0	0.00	0	0.00	58	2398	6	0.28	89	4.16
9	2258	0	0.00	0	0.00	59	2400	4	0.19	93	4.35
10	2265	0	0.00	0	0.00	60	2402	2	0.09	95	4.44
11	2272	0	0.00	0	0.00	**61**	**2404**	**8**	**0.37**	**103**	**4.82**
12	2278	0	0.00	0	0.00	62	2405	6	0.28	109	5.10
13	2283	0	0.00	0	0.00	63	2407	7	0.33	116	5.43
14	2288	0	0.00	0	0.00	64	2409	7	0.33	123	5.75
15	2293	0	0.00	0	0.00	65	2411	5	0.23	128	5.99
16	2297	0	0.00	0	0.00	66	2413	3	0.14	131	6.13
17	2301	0	0.00	0	0.00	67	2414	4	0.19	135	6.31
18	2305	0	0.00	0	0.00	68	2416	8	0.37	143	6.69
19	2309	0	0.00	0	0.00	69	2418	12	0.56	155	7.25
20	2312	0	0.00	0	0.00	70	2420	7	0.33	162	7.58
21	2316	0	0.00	0	0.00	71	2422	8	0.37	170	7.95
22	2319	0	0.00	0	0.00	72	2424	8	0.37	178	8.33
23	2322	0	0.00	0	0.00	73	2425	16	0.75	194	9.07
24	2325	0	0.00	0	0.00	74	2427	5	0.23	199	9.31
25	2328	0	0.00	0	0.00	75	2429	14	0.65	213	9.96
26	2331	1	0.05	1	0.05	76	2431	14	0.65	227	10.62
27	2333	0	0.00	1	0.05	77	2433	11	0.51	238	11.13
28	2336	0	0.00	1	0.05	78	2435	9	0.42	247	11.55
29	2339	1	0.05	2	0.09	79	2437	12	0.56	259	12.11
30	2341	1	0.05	3	0.14	80	2439	12	0.56	271	12.68
31	2344	1	0.05	4	0.19	81	2440	10	0.47	281	13.14
32	2346	0	0.00	4	0.19	82	2442	13	0.61	294	13.75
33	2348	2	0.09	6	0.28	**83**	**2444**	**17**	**0.80**	**311**	**14.55**
34	2351	3	0.14	9	0.42	84	2446	12	0.56	323	15.11
35	2353	2	0.09	11	0.51	85	2448	16	0.75	339	15.86
36	2355	2	0.09	13	0.61	86	2450	19	0.89	358	16.74
37	2357	5	0.23	18	0.84	87	2452	14	0.65	372	17.40
38	2359	1	0.05	19	0.89	88	2454	18	0.84	390	18.24
39	2361	4	0.19	23	1.08	89	2456	14	0.65	404	18.90
40	2364	2	0.09	25	1.17	90	2458	17	0.80	421	19.69
41	2366	3	0.14	28	1.31	91	2460	23	1.08	444	20.77
42	2368	3	0.14	31	1.45	92	2462	23	1.08	467	21.84
43	2370	3	0.14	34	1.59	93	2464	26	1.22	493	23.06
44	2372	3	0.14	37	1.73	94	2466	29	1.36	522	24.42
45	2374	3	0.14	40	1.87	95	2468	30	1.40	552	25.82
46	2376	3	0.14	43	2.01	96	2470	26	1.22	578	27.03
47	2377	2	0.09	45	2.10	97	2472	16	0.75	594	27.78
48	2379	4	0.19	49	2.29	98	2474	32	1.50	626	29.28
49	2381	3	0.14	52	2.43	99	2476	34	1.59	660	30.87

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Table 9.149: Spring 2013 AZELLA Stage IV Form A Frequency Distribution at Grade 8

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	**2478**	**33**	**1.54**	**693**	**32.41**	150	2635	6	0.28	2104	98.41
101	2480	31	1.45	724	33.86	151	2641	12	0.56	2116	98.97
102	2482	27	1.26	751	35.13	152	2647	3	0.14	2119	99.11
103	2485	39	1.82	790	36.95	153	2654	7	0.33	2126	99.44
104	2487	40	1.87	830	38.82	154	2661	3	0.14	2129	99.58
105	2489	41	1.92	871	40.74	155	2669	2	0.09	2131	99.67
106	2491	39	1.82	910	42.56	156	2677	1	0.05	2132	99.72
107	2493	24	1.12	934	43.69	157	2686	2	0.09	2134	99.81
108	2496	46	2.15	980	45.84	158	2696	0	0.00	2134	99.81
109	2498	40	1.87	1020	47.71	159	2706	1	0.05	2135	99.86
110	2500	41	1.92	1061	49.63	160	2717	1	0.05	2136	99.91
111	2502	40	1.87	1101	51.50	161	2728	1	0.05	2137	99.95
112	2505	35	1.64	1136	53.13	162	2741	0	0.00	2137	99.95
113	2507	37	1.73	1173	54.86	163	2754	0	0.00	2137	99.95
114	2509	38	1.78	1211	56.64	164	2768	1	0.05	2138	100.00
115	2512	35	1.64	1246	58.28	165	2784	0	0.00	2138	100.00
116	2514	40	1.87	1286	60.15	166	2801	0	0.00	2138	100.00
117	2517	40	1.87	1326	62.02	167	2820	0	0.00	2138	100.00
118	2519	30	1.40	1356	63.42	168	2841	0	0.00	2138	100.00
119	2522	35	1.64	1391	65.06	169	2867	0	0.00	2138	100.00
120	2524	38	1.78	1429	66.84	170	2901	0	0.00	2138	100.00
121	2527	39	1.82	1468	68.66	171	2953	0	0.00	2138	100.00
122	2529	45	2.10	1513	70.77	172	3000	0	0.00	2138	100.00
123	2532	31	1.45	1544	72.22						
124	2535	31	1.45	1575	73.67						
125	2537	35	1.64	1610	75.30						
126	2540	34	1.59	1644	76.89						
127	2543	39	1.82	1683	78.72						
128	2546	32	1.50	1715	80.22						
129	2549	31	1.45	1746	81.67						
130	2552	29	1.36	1775	83.02						
131	2555	36	1.68	1811	84.71						
132	2558	26	1.22	1837	85.92						
133	2561	20	0.94	1857	86.86						
134	2565	32	1.50	1889	88.35						
135	2568	18	0.84	1907	89.20						
136	2571	19	0.89	1926	90.08						
137	2575	23	1.08	1949	91.16						
138	2579	24	1.12	1973	92.28						
139	2582	14	0.65	1987	92.94						
140	2586	19	0.89	2006	93.83						
141	2590	11	0.51	2017	94.34						
142	2594	16	0.75	2033	95.09						
143	2599	7	0.33	2040	95.42						
144	2603	11	0.51	2051	95.93						
145	2608	14	0.65	2065	96.59						
146	2613	9	0.42	2074	97.01						
147	2618	12	0.56	2086	97.57						
148	2623	8	0.37	2094	97.94						
149	2629	4	0.19	2098	98.13						

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Table 9.150: Spring 2013 AZELLA Stage IV Form B 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 9.150: Spring 2013 AZELLA Stage IV Form B 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 9.151: Spring 2013 AZELLA Stage V Form A 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	2404	2	0.14	72	5.14
1	2132	0	0.00	0	0.00	51	2405	4	0.29	76	5.42
2	2177	0	0.00	0	0.00	52	2407	4	0.29	80	5.71
3	2204	0	0.00	0	0.00	53	2409	6	0.43	86	6.13
4	2223	0	0.00	0	0.00	54	2411	10	0.71	96	6.85
5	2238	0	0.00	0	0.00	55	2412	7	0.50	103	7.35
6	2250	0	0.00	0	0.00	56	2414	7	0.50	110	7.85
7	2260	0	0.00	0	0.00	57	2416	5	0.36	115	8.20
8	2270	0	0.00	0	0.00	58	2417	8	0.57	123	8.77
9	2278	0	0.00	0	0.00	59	2419	6	0.43	129	9.20
10	2285	0	0.00	0	0.00	60	2421	8	0.57	137	9.77
11	2292	0	0.00	0	0.00	61	2423	9	0.64	146	10.41
12	2298	0	0.00	0	0.00	62	2424	12	0.86	158	11.27
13	2303	0	0.00	0	0.00	**63**	**2426**	**10**	**0.71**	**168**	**11.98**
14	2308	0	0.00	0	0.00	64	2428	14	1.00	182	12.98
15	2313	0	0.00	0	0.00	65	2429	9	0.64	191	13.62
16	2318	0	0.00	0	0.00	66	2431	11	0.78	202	14.41
17	2322	0	0.00	0	0.00	67	2433	10	0.71	212	15.12
18	2326	0	0.00	0	0.00	68	2434	12	0.86	224	15.98
19	2330	1	0.07	1	0.07	69	2436	10	0.71	234	16.69
20	2334	1	0.07	2	0.14	70	2438	21	1.50	255	18.19
21	2337	0	0.00	2	0.14	71	2440	10	0.71	265	18.90
22	2340	1	0.07	3	0.21	72	2441	12	0.86	277	19.76
23	2344	0	0.00	3	0.21	73	2443	14	1.00	291	20.76
24	2347	1	0.07	4	0.29	74	2445	15	1.07	306	21.83
25	2350	0	0.00	4	0.29	75	2446	15	1.07	321	22.90
26	2352	0	0.00	4	0.29	76	2448	14	1.00	335	23.89
27	2355	0	0.00	4	0.29	77	2450	14	1.00	349	24.89
28	2358	4	0.29	8	0.57	78	2452	8	0.57	357	25.46
29	2360	1	0.07	9	0.64	79	2453	10	0.71	367	26.18
30	2363	4	0.29	13	0.93	80	2455	15	1.07	382	27.25
31	2365	0	0.00	13	0.93	81	2457	16	1.14	398	28.39
32	2368	3	0.21	16	1.14	82	2459	11	0.78	409	29.17
33	2370	3	0.21	19	1.36	83	2461	25	1.78	434	30.96
34	2372	5	0.36	24	1.71	84	2462	9	0.64	443	31.60
35	2374	1	0.07	25	1.78	85	2464	23	1.64	466	33.24
36	2377	2	0.14	27	1.93	86	2466	17	1.21	483	34.45
37	2379	1	0.07	28	2.00	**87**	**2468**	**17**	**1.21**	**500**	**35.66**
38	2381	1	0.07	29	2.07	88	2470	15	1.07	515	36.73
39	2383	5	0.36	34	2.43	89	2471	11	0.78	526	37.52
40	2385	4	0.29	38	2.71	90	2473	18	1.28	544	38.80
41	2387	2	0.14	40	2.85	91	2475	17	1.21	561	40.01
42	2389	1	0.07	41	2.92	92	2477	22	1.57	583	41.58
43	2391	3	0.21	44	3.14	93	2479	21	1.50	604	43.08
44	2393	2	0.14	46	3.28	94	2481	24	1.71	628	44.79
45	2394	1	0.07	47	3.35	95	2483	22	1.57	650	46.36
46	2396	6	0.43	53	3.78	96	2485	23	1.64	673	48.00
47	2398	6	0.43	59	4.21	97	2487	24	1.71	697	49.71
48	2400	5	0.36	64	4.56	98	2489	25	1.78	722	51.50
49	2402	6	0.43	70	4.99	99	2491	20	1.43	742	52.92

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Table 9.151: Spring 2013 AZELLA Stage V Form A Frequency Distribution at Grade 9

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2493	22	1.57	764	54.49	150	2642	3	0.21	1391	99.22
101	2495	19	1.36	783	55.85	151	2647	3	0.21	1394	99.43
102	2497	23	1.64	806	57.49	152	2653	3	0.21	1397	99.64
103	2499	23	1.64	829	59.13	153	2660	2	0.14	1399	99.79
104	2501	25	1.78	854	60.91	154	2666	1	0.07	1400	99.86
105	2503	25	1.78	879	62.70	155	2673	1	0.07	1401	99.93
106	2505	15	1.07	894	63.77	156	2680	0	0.00	1401	99.93
107	2507	21	1.50	915	65.26	157	2688	1	0.07	1402	100.00
108	**2509**	**24**	**1.71**	**939**	**66.98**	158	2697	0	0.00	1402	100.00
109	2512	27	1.93	966	68.90	159	2706	0	0.00	1402	100.00
110	2514	15	1.07	981	69.97	160	2716	0	0.00	1402	100.00
111	2516	14	1.00	995	70.97	161	2727	0	0.00	1402	100.00
112	2518	12	0.86	1007	71.83	162	2739	0	0.00	1402	100.00
113	2520	23	1.64	1030	73.47	163	2752	0	0.00	1402	100.00
114	2523	18	1.28	1048	74.75	164	2767	0	0.00	1402	100.00
115	2525	12	0.86	1060	75.61	165	2784	0	0.00	1402	100.00
116	2527	17	1.21	1077	76.82	166	2804	0	0.00	1402	100.00
117	2530	20	1.43	1097	78.25	167	2828	0	0.00	1402	100.00
118	2532	18	1.28	1115	79.53	168	2857	0	0.00	1402	100.00
119	2535	26	1.85	1141	81.38	169	2894	0	0.00	1402	100.00
120	2537	31	2.21	1172	83.59	170	2943	0	0.00	1402	100.00
121	2540	10	0.71	1182	84.31	171	3000	0	0.00	1402	100.00
122	2542	9	0.64	1191	84.95	172	3000	0	0.00	1402	100.00
123	2545	7	0.50	1198	85.45						
124	2547	17	1.21	1215	86.66						
125	2550	7	0.50	1222	87.16						
126	2553	12	0.86	1234	88.02						
127	2555	15	1.07	1249	89.09						
128	2558	15	1.07	1264	90.16						
129	2561	6	0.43	1270	90.58						
130	2564	17	1.21	1287	91.80						
131	2567	9	0.64	1296	92.44						
132	2570	13	0.93	1309	93.37						
133	2573	8	0.57	1317	93.94						
134	2576	6	0.43	1323	94.37						
135	2580	5	0.36	1328	94.72						
136	2583	9	0.64	1337	95.36						
137	2586	3	0.21	1340	95.58						
138	2590	6	0.43	1346	96.01						
139	2593	3	0.21	1349	96.22						
140	2597	5	0.36	1354	96.58						
141	2601	5	0.36	1359	96.93						
142	2605	5	0.36	1364	97.29						
143	2609	4	0.29	1368	97.57						
144	2613	7	0.50	1375	98.07						
145	2617	3	0.21	1378	98.29						
146	2622	4	0.29	1382	98.57						
147	2627	0	0.00	1382	98.57						
148	2631	5	0.36	1387	98.93						
149	2637	1	0.07	1388	99.00						

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Table 9.152: Spring 2013 AZELLA Stage V Form B 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 9.152: Spring 2013 AZELLA Stage V Form B 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 9.153: Spring 2013 AZELLA Stage V Form A 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	2404	8	0.62	41	3.15
1	2132	0	0.00	0	0.00	51	2405	4	0.31	45	3.46
2	2177	0	0.00	0	0.00	52	2407	5	0.38	50	3.85
3	2204	0	0.00	0	0.00	53	2409	2	0.15	52	4.00
4	2223	0	0.00	0	0.00	54	2411	5	0.38	57	4.38
5	2238	0	0.00	0	0.00	55	2412	12	0.92	69	5.31
6	2250	0	0.00	0	0.00	56	2414	5	0.38	74	5.69
7	2260	0	0.00	0	0.00	57	2416	8	0.62	82	6.31
8	2270	0	0.00	0	0.00	58	2417	7	0.54	89	6.85
9	2278	0	0.00	0	0.00	59	2419	6	0.46	95	7.31
10	2285	0	0.00	0	0.00	60	2421	8	0.62	103	7.92
11	2292	0	0.00	0	0.00	61	2423	4	0.31	107	8.23
12	2298	0	0.00	0	0.00	62	2424	2	0.15	109	8.38
13	2303	0	0.00	0	0.00	**63**	**2426**	**9**	**0.69**	**118**	**9.08**
14	2308	0	0.00	0	0.00	64	2428	3	0.23	121	9.31
15	2313	0	0.00	0	0.00	65	2429	4	0.31	125	9.62
16	2318	0	0.00	0	0.00	66	2431	13	1.00	138	10.62
17	2322	0	0.00	0	0.00	67	2433	10	0.77	148	11.38
18	2326	0	0.00	0	0.00	68	2434	10	0.77	158	12.15
19	2330	0	0.00	0	0.00	69	2436	12	0.92	170	13.08
20	2334	0	0.00	0	0.00	70	2438	12	0.92	182	14.00
21	2337	0	0.00	0	0.00	71	2440	10	0.77	192	14.77
22	2340	0	0.00	0	0.00	72	2441	6	0.46	198	15.23
23	2344	0	0.00	0	0.00	73	2443	13	1.00	211	16.23
24	2347	0	0.00	0	0.00	74	2445	7	0.54	218	16.77
25	2350	0	0.00	0	0.00	75	2446	9	0.69	227	17.46
26	2352	0	0.00	0	0.00	76	2448	13	1.00	240	18.46
27	2355	2	0.15	2	0.15	77	2450	8	0.62	248	19.08
28	2358	0	0.00	2	0.15	78	2452	15	1.15	263	20.23
29	2360	1	0.08	3	0.23	79	2453	10	0.77	273	21.00
30	2363	1	0.08	4	0.31	80	2455	11	0.85	284	21.85
31	2365	0	0.00	4	0.31	81	2457	12	0.92	296	22.77
32	2368	1	0.08	5	0.38	82	2459	20	1.54	316	24.31
33	2370	0	0.00	5	0.38	83	2461	16	1.23	332	25.54
34	2372	2	0.15	7	0.54	84	2462	16	1.23	348	26.77
35	2374	1	0.08	8	0.62	85	2464	14	1.08	362	27.85
36	2377	2	0.15	10	0.77	86	2466	10	0.77	372	28.62
37	2379	0	0.00	10	0.77	**87**	**2468**	**15**	**1.15**	**387**	**29.77**
38	2381	4	0.31	14	1.08	88	2470	13	1.00	400	30.77
39	2383	2	0.15	16	1.23	89	2471	16	1.23	416	32.00
40	2385	1	0.08	17	1.31	90	2473	17	1.31	433	33.31
41	2387	3	0.23	20	1.54	91	2475	15	1.15	448	34.46
42	2389	0	0.00	20	1.54	92	2477	17	1.31	465	35.77
43	2391	0	0.00	20	1.54	93	2479	11	0.85	476	36.62
44	2393	0	0.00	20	1.54	94	2481	15	1.15	491	37.77
45	2394	0	0.00	20	1.54	95	2483	13	1.00	504	38.77
46	2396	2	0.15	22	1.69	96	2485	15	1.15	519	39.92
47	2398	4	0.31	26	2.00	97	2487	22	1.69	541	41.62
48	2400	4	0.31	30	2.31	98	2489	33	2.54	574	44.15
49	2402	3	0.23	33	2.54	99	2491	20	1.54	594	45.69

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Table 9.153: Spring 2013 AZELLA Stage V Form A Frequency Distribution at Grade 10

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2493	27	2.08	621	47.77	150	2642	2	0.15	1283	98.69
101	2495	19	1.46	640	49.23	151	2647	3	0.23	1286	98.92
102	2497	17	1.31	657	50.54	152	2653	1	0.08	1287	99.00
103	2499	19	1.46	676	52.00	153	2660	1	0.08	1288	99.08
104	2501	16	1.23	692	53.23	154	2666	2	0.15	1290	99.23
105	2503	12	0.92	704	54.15	155	2673	2	0.15	1292	99.38
106	2505	22	1.69	726	55.85	156	2680	3	0.23	1295	99.62
107	2507	17	1.31	743	57.15	157	2688	2	0.15	1297	99.77
108	**2509**	**16**	**1.23**	**759**	**58.38**	158	2697	1	0.08	1298	99.85
109	2512	16	1.23	775	59.62	159	2706	0	0.00	1298	99.85
110	2514	15	1.15	790	60.77	160	2716	0	0.00	1298	99.85
111	2516	22	1.69	812	62.46	161	2727	1	0.08	1299	99.92
112	2518	25	1.92	837	64.38	162	2739	1	0.08	1300	100.00
113	2520	18	1.38	855	65.77	163	2752	0	0.00	1300	100.00
114	2523	13	1.00	868	66.77	164	2767	0	0.00	1300	100.00
115	2525	17	1.31	885	68.08	165	2784	0	0.00	1300	100.00
116	2527	14	1.08	899	69.15	166	2804	0	0.00	1300	100.00
117	2530	27	2.08	926	71.23	167	2828	0	0.00	1300	100.00
118	2532	22	1.69	948	72.92	168	2857	0	0.00	1300	100.00
119	2535	17	1.31	965	74.23	169	2894	0	0.00	1300	100.00
120	2537	12	0.92	977	75.15	170	2943	0	0.00	1300	100.00
121	2540	20	1.54	997	76.69	171	3000	0	0.00	1300	100.00
122	2542	21	1.62	1018	78.31	172	3000	0	0.00	1300	100.00
123	2545	17	1.31	1035	79.62						
124	2547	20	1.54	1055	81.15						
125	2550	17	1.31	1072	82.46						
126	2553	17	1.31	1089	83.77						
127	2555	15	1.15	1104	84.92						
128	2558	16	1.23	1120	86.15						
129	2561	10	0.77	1130	86.92						
130	2564	14	1.08	1144	88.00						
131	2567	10	0.77	1154	88.77						
132	2570	16	1.23	1170	90.00						
133	2573	6	0.46	1176	90.46						
134	2576	13	1.00	1189	91.46						
135	2580	8	0.62	1197	92.08						
136	2583	10	0.77	1207	92.85						
137	2586	5	0.38	1212	93.23						
138	2590	14	1.08	1226	94.31						
139	2593	6	0.46	1232	94.77						
140	2597	9	0.69	1241	95.46						
141	2601	6	0.46	1247	95.92						
142	2605	6	0.46	1253	96.38						
143	2609	5	0.38	1258	96.77						
144	2613	5	0.38	1263	97.15						
145	2617	4	0.31	1267	97.46						
146	2622	4	0.31	1271	97.77						
147	2627	2	0.15	1273	97.92						
148	2631	4	0.31	1277	98.23						
149	2637	4	0.31	1281	98.54						

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Table 9.154: Spring 2013 AZELLA Stage V Form B 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 9.154: Spring 2013 AZELLA Stage V Form B 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 9.155: Spring 2013 AZELLA Stage V Form A 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	2404	3	0.29	20	1.92
1	2132	0	0.00	0	0.00	51	2405	3	0.29	23	2.21
2	2177	0	0.00	0	0.00	52	2407	1	0.10	24	2.31
3	2204	0	0.00	0	0.00	53	2409	3	0.29	27	2.59
4	2223	0	0.00	0	0.00	54	2411	3	0.29	30	2.88
5	2238	0	0.00	0	0.00	55	2412	1	0.10	31	2.98
6	2250	0	0.00	0	0.00	56	2414	1	0.10	32	3.07
7	2260	1	0.10	1	0.10	57	2416	4	0.38	36	3.46
8	2270	0	0.00	1	0.10	58	2417	5	0.48	41	3.94
9	2278	0	0.00	1	0.10	59	2419	4	0.38	45	4.32
10	2285	0	0.00	1	0.10	60	2421	5	0.48	50	4.80
11	2292	0	0.00	1	0.10	61	2423	3	0.29	53	5.09
12	2298	0	0.00	1	0.10	62	2424	2	0.19	55	5.28
13	2303	0	0.00	1	0.10	**63**	**2426**	**2**	**0.19**	**57**	**5.48**
14	2308	0	0.00	1	0.10	64	2428	6	0.58	63	6.05
15	2313	0	0.00	1	0.10	65	2429	2	0.19	65	6.24
16	2318	0	0.00	1	0.10	66	2431	6	0.58	71	6.82
17	2322	0	0.00	1	0.10	67	2433	3	0.29	74	7.11
18	2326	0	0.00	1	0.10	68	2434	8	0.77	82	7.88
19	2330	0	0.00	1	0.10	69	2436	8	0.77	90	8.65
20	2334	0	0.00	1	0.10	70	2438	1	0.10	91	8.74
21	2337	0	0.00	1	0.10	71	2440	3	0.29	94	9.03
22	2340	0	0.00	1	0.10	72	2441	3	0.29	97	9.32
23	2344	0	0.00	1	0.10	73	2443	6	0.58	103	9.89
24	2347	0	0.00	1	0.10	74	2445	3	0.29	106	10.18
25	2350	0	0.00	1	0.10	75	2446	6	0.58	112	10.76
26	2352	0	0.00	1	0.10	76	2448	4	0.38	116	11.14
27	2355	0	0.00	1	0.10	77	2450	3	0.29	119	11.43
28	2358	2	0.19	3	0.29	78	2452	10	0.96	129	12.39
29	2360	0	0.00	3	0.29	79	2453	7	0.67	136	13.06
30	2363	0	0.00	3	0.29	80	2455	7	0.67	143	13.74
31	2365	1	0.10	4	0.38	81	2457	9	0.86	152	14.60
32	2368	0	0.00	4	0.38	82	2459	7	0.67	159	15.27
33	2370	0	0.00	4	0.38	83	2461	5	0.48	164	15.75
34	2372	0	0.00	4	0.38	84	2462	11	1.06	175	16.81
35	2374	0	0.00	4	0.38	85	2464	8	0.77	183	17.58
36	2377	0	0.00	4	0.38	86	2466	12	1.15	195	18.73
37	2379	1	0.10	5	0.48	**87**	**2468**	**8**	**0.77**	**203**	**19.50**
38	2381	0	0.00	5	0.48	88	2470	12	1.15	215	20.65
39	2383	0	0.00	5	0.48	89	2471	15	1.44	230	22.09
40	2385	1	0.10	6	0.58	90	2473	17	1.63	247	23.73
41	2387	0	0.00	6	0.58	91	2475	13	1.25	260	24.98
42	2389	0	0.00	6	0.58	92	2477	17	1.63	277	26.61
43	2391	2	0.19	8	0.77	93	2479	12	1.15	289	27.76
44	2393	0	0.00	8	0.77	94	2481	14	1.34	303	29.11
45	2394	0	0.00	8	0.77	95	2483	15	1.44	318	30.55
46	2396	2	0.19	10	0.96	96	2485	18	1.73	336	32.28
47	2398	0	0.00	10	0.96	97	2487	9	0.86	345	33.14
48	2400	3	0.29	13	1.25	98	2489	19	1.83	364	34.97
49	2402	4	0.38	17	1.63	99	2491	13	1.25	377	36.22

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Table 9.155: Spring 2013 AZELLA Stage V Form A Frequency Distribution at Grade 11

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2493	16	1.54	393	37.75	150	2642	1	0.10	1017	97.69
101	2495	12	1.15	405	38.90	151	2647	3	0.29	1020	97.98
102	2497	13	1.25	418	40.15	152	2653	4	0.38	1024	98.37
103	2499	15	1.44	433	41.59	153	2660	2	0.19	1026	98.56
104	2501	22	2.11	455	43.71	154	2666	4	0.38	1030	98.94
105	2503	17	1.63	472	45.34	155	2673	4	0.38	1034	99.33
106	2505	24	2.31	496	47.65	156	2680	1	0.10	1035	99.42
107	2507	16	1.54	512	49.18	157	2688	3	0.29	1038	99.71
108	**2509**	**17**	**1.63**	**529**	**50.82**	158	2697	2	0.19	1040	99.90
109	2512	9	0.86	538	51.68	159	2706	0	0.00	1040	99.90
110	2514	16	1.54	554	53.22	160	2716	0	0.00	1040	99.90
111	2516	13	1.25	567	54.47	161	2727	0	0.00	1040	99.90
112	2518	25	2.40	592	56.87	162	2739	1	0.10	1041	100.00
113	2520	24	2.31	616	59.17	163	2752	0	0.00	1041	100.00
114	2523	15	1.44	631	60.61	164	2767	0	0.00	1041	100.00
115	2525	11	1.06	642	61.67	165	2784	0	0.00	1041	100.00
116	2527	22	2.11	664	63.78	166	2804	0	0.00	1041	100.00
117	2530	13	1.25	677	65.03	167	2828	0	0.00	1041	100.00
118	2532	21	2.02	698	67.05	168	2857	0	0.00	1041	100.00
119	2535	19	1.83	717	68.88	169	2894	0	0.00	1041	100.00
120	2537	15	1.44	732	70.32	170	2943	0	0.00	1041	100.00
121	2540	12	1.15	744	71.47	171	3000	0	0.00	1041	100.00
122	2542	18	1.73	762	73.20	172	3000	0	0.00	1041	100.00
123	2545	15	1.44	777	74.64						
124	2547	15	1.44	792	76.08						
125	2550	14	1.34	806	77.43						
126	2553	14	1.34	820	78.77						
127	2555	7	0.67	827	79.44						
128	2558	22	2.11	849	81.56						
129	2561	8	0.77	857	82.32						
130	2564	12	1.15	869	83.48						
131	2567	12	1.15	881	84.63						
132	2570	8	0.77	889	85.40						
133	2573	10	0.96	899	86.36						
134	2576	9	0.86	908	87.22						
135	2580	15	1.44	923	88.66						
136	2583	14	1.34	937	90.01						
137	2586	6	0.58	943	90.59						
138	2590	6	0.58	949	91.16						
139	2593	8	0.77	957	91.93						
140	2597	7	0.67	964	92.60						
141	2601	1	0.10	965	92.70						
142	2605	8	0.77	973	93.47						
143	2609	8	0.77	981	94.24						
144	2613	8	0.77	989	95.00						
145	2617	2	0.19	991	95.20						
146	2622	9	0.86	1000	96.06						
147	2627	8	0.77	1008	96.83						
148	2631	2	0.19	1010	97.02						
149	2637	6	0.58	1016	97.60						

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Table 9.156: Spring 2013 AZELLA Stage V Form B 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 9.156: Spring 2013 AZELLA Stage V Form B 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 9.157: Spring 2013 AZELLA Stage V Form A 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	2404	3	0.30	23	2.30
1	2132	0	0.00	0	0.00	51	2405	0	0.00	23	2.30
2	2177	0	0.00	0	0.00	52	2407	1	0.10	24	2.40
3	2204	1	0.10	1	0.10	53	2409	2	0.20	26	2.61
4	2223	0	0.00	1	0.10	54	2411	0	0.00	26	2.61
5	2238	0	0.00	1	0.10	55	2412	3	0.30	29	2.91
6	2250	1	0.10	2	0.20	56	2414	1	0.10	30	3.01
7	2260	0	0.00	2	0.20	57	2416	0	0.00	30	3.01
8	2270	0	0.00	2	0.20	58	2417	2	0.20	32	3.21
9	2278	0	0.00	2	0.20	59	2419	0	0.00	32	3.21
10	2285	0	0.00	2	0.20	60	2421	3	0.30	35	3.51
11	2292	0	0.00	2	0.20	61	2423	0	0.00	35	3.51
12	2298	0	0.00	2	0.20	62	2424	2	0.20	37	3.71
13	2303	0	0.00	2	0.20	**63**	**2426**	**2**	**0.20**	**39**	**3.91**
14	2308	0	0.00	2	0.20	64	2428	7	0.70	46	4.61
15	2313	0	0.00	2	0.20	65	2429	1	0.10	47	4.71
16	2318	0	0.00	2	0.20	66	2431	4	0.40	51	5.11
17	2322	0	0.00	2	0.20	67	2433	5	0.50	56	5.61
18	2326	0	0.00	2	0.20	68	2434	4	0.40	60	6.01
19	2330	0	0.00	2	0.20	69	2436	4	0.40	64	6.41
20	2334	0	0.00	2	0.20	70	2438	2	0.20	66	6.61
21	2337	0	0.00	2	0.20	71	2440	5	0.50	71	7.11
22	2340	1	0.10	3	0.30	72	2441	3	0.30	74	7.41
23	2344	0	0.00	3	0.30	73	2443	3	0.30	77	7.72
24	2347	0	0.00	3	0.30	74	2445	9	0.90	86	8.62
25	2350	0	0.00	3	0.30	75	2446	6	0.60	92	9.22
26	2352	0	0.00	3	0.30	76	2448	5	0.50	97	9.72
27	2355	0	0.00	3	0.30	77	2450	6	0.60	103	10.32
28	2358	0	0.00	3	0.30	78	2452	7	0.70	110	11.02
29	2360	0	0.00	3	0.30	79	2453	6	0.60	116	11.62
30	2363	0	0.00	3	0.30	80	2455	8	0.80	124	12.42
31	2365	0	0.00	3	0.30	81	2457	14	1.40	138	13.83
32	2368	0	0.00	3	0.30	82	2459	7	0.70	145	14.53
33	2370	0	0.00	3	0.30	83	2461	10	1.00	155	15.53
34	2372	0	0.00	3	0.30	84	2462	7	0.70	162	16.23
35	2374	2	0.20	5	0.50	85	2464	11	1.10	173	17.33
36	2377	1	0.10	6	0.60	86	2466	7	0.70	180	18.04
37	2379	1	0.10	7	0.70	**87**	**2468**	**11**	**1.10**	**191**	**19.14**
38	2381	0	0.00	7	0.70	88	2470	16	1.60	207	20.74
39	2383	1	0.10	8	0.80	89	2471	10	1.00	217	21.74
40	2385	1	0.10	9	0.90	90	2473	9	0.90	226	22.65
41	2387	0	0.00	9	0.90	91	2475	11	1.10	237	23.75
42	2389	2	0.20	11	1.10	92	2477	9	0.90	246	24.65
43	2391	2	0.20	13	1.30	93	2479	10	1.00	256	25.65
44	2393	0	0.00	13	1.30	94	2481	15	1.50	271	27.15
45	2394	2	0.20	15	1.50	95	2483	10	1.00	281	28.16
46	2396	1	0.10	16	1.60	96	2485	15	1.50	296	29.66
47	2398	1	0.10	17	1.70	97	2487	10	1.00	306	30.66
48	2400	2	0.20	19	1.90	98	2489	15	1.50	321	32.16
49	2402	1	0.10	20	2.00	99	2491	13	1.30	334	33.47

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Table 9.157: Spring 2013 AZELLA Stage V Form A Frequency Distribution at Grade 12

Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %	Raw Score	Scale Score	Freq.	%	Cum. Freq.	Cum. %
100	2493	18	1.80	352	35.27	150	2642	2	0.20	983	98.50
101	2495	15	1.50	367	36.77	151	2647	1	0.10	984	98.60
102	2497	19	1.90	386	38.68	152	2653	2	0.20	986	98.80
103	2499	15	1.50	401	40.18	153	2660	3	0.30	989	99.10
104	2501	14	1.40	415	41.58	154	2666	1	0.10	990	99.20
105	2503	16	1.60	431	43.19	155	2673	1	0.10	991	99.30
106	2505	17	1.70	448	44.89	156	2680	3	0.30	994	99.60
107	2507	13	1.30	461	46.19	157	2688	1	0.10	995	99.70
108	**2509**	**17**	**1.70**	**478**	**47.90**	158	2697	2	0.20	997	99.90
109	2512	17	1.70	495	49.60	159	2706	1	0.10	998	100.00
110	2514	17	1.70	512	51.30	160	2716	0	0.00	998	100.00
111	2516	17	1.70	529	53.01	161	2727	0	0.00	998	100.00
112	2518	17	1.70	546	54.71	162	2739	0	0.00	998	100.00
113	2520	20	2.00	566	56.71	163	2752	0	0.00	998	100.00
114	2523	15	1.50	581	58.22	164	2767	0	0.00	998	100.00
115	2525	15	1.50	596	59.72	165	2784	0	0.00	998	100.00
116	2527	23	2.30	619	62.02	166	2804	0	0.00	998	100.00
117	2530	21	2.10	640	64.13	167	2828	0	0.00	998	100.00
118	2532	21	2.10	661	66.23	168	2857	0	0.00	998	100.00
119	2535	15	1.50	676	67.74	169	2894	0	0.00	998	100.00
120	2537	25	2.51	701	70.24	170	2943	0	0.00	998	100.00
121	2540	13	1.30	714	71.54	171	3000	0	0.00	998	100.00
122	2542	15	1.50	729	73.05	172	3000	0	0.00	998	100.00
123	2545	15	1.50	744	74.55						
124	2547	16	1.60	760	76.15						
125	2550	13	1.30	773	77.45						
126	2553	18	1.80	791	79.26						
127	2555	12	1.20	803	80.46						
128	2558	18	1.80	821	82.26						
129	2561	11	1.10	832	83.37						
130	2564	14	1.40	846	84.77						
131	2567	11	1.10	857	85.87						
132	2570	9	0.90	866	86.77						
133	2573	12	1.20	878	87.98						
134	2576	13	1.30	891	89.28						
135	2580	7	0.70	898	89.98						
136	2583	12	1.20	910	91.18						
137	2586	6	0.60	916	91.78						
138	2590	6	0.60	922	92.38						
139	2593	4	0.40	926	92.79						
140	2597	7	0.70	933	93.49						
141	2601	9	0.90	942	94.39						
142	2605	6	0.60	948	94.99						
143	2609	6	0.60	954	95.59						
144	2613	5	0.50	959	96.09						
145	2617	1	0.10	960	96.19						
146	2622	7	0.70	967	96.89						
147	2627	5	0.50	972	97.39						
148	2631	5	0.50	977	97.90						
149	2637	4	0.40	981	98.30						

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Table 9.158: Spring 2013 AZELLA Stage V Form B 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 9.158: Spring 2013 AZELLA Stage V Form B 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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Chapter 10. VALIDITY EVIDENCE

Chapter 10 of the technical report provides evidence supporting the reliability and validity of scores on the AZELLA Stages I through V assessments in the spring 2013 administration and the Kindergarten Placement Test during the 2012-2013 school year. All data presented in this section for the AZELLA Stages I through V assessments in the spring 2013 administration were computed using the calibration sample. On the other hand, all data presented in this section for Kindergarten Placement during the 2012-2013 school year were computed using population test data available in the final electronic data files. The following AERA/APA/NCME standards are addressed: 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.

10.1 Reliability

AERA/APA/NCME *Standards for Educational and Psychological Testing* refer to reliability as the "consistency of [a measure] when the testing procedure is repeated on a population of individuals or groups." 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 Kindergarten Placement Test during the 2012-2013 school year and the AZELLA Stages I through V assessments in spring 2013 were estimated in three ways: internal consistency for all tests, parallel form reliability of the Stages II through V assessments, and reliability of scoring for all open-ended items.

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 Alpha for the Kindergarten Placement Test during the 2012-2013 school year was 0.952. 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 by Form for the Spring 2013 AZELLA Stage I through V Assessments

Stage	Form	Total Combined	Domain			
			Listening	Speaking	Reading	Writing
I	A	0.865	0.639	0.720	0.667	0.777
	B	0.873	0.669	0.751	0.721	0.765
II	A	0.888	0.621	0.806	0.753	0.743
	B	0.905	0.673	0.803	0.806	0.764
III	A	0.894	0.601	0.863	0.731	0.800
	B	0.896	0.586	0.876	0.754	0.796
IV	A	0.892	0.661	0.889	0.744	0.729
	B	0.881	0.583	0.900	0.710	0.739
V	A	0.895	0.659	0.895	0.781	0.685
	B	0.922	0.696	0.903	0.810	0.790

10.1.1 Parallel Form Reliability

In addition to computing Coefficient Alpha, a special study was conducted to calculate a type of reliability called parallel forms reliability for the AZELLA Stages II through V assessments. It required that two test forms be taken by a group of students. Two operational forms (Form A and Form B) were constructed for the spring 2013 administration. Arizona Department of Education decided to choose schools across the State of Arizona to participate in the parallel form study, in which selected students in participating schools took both Form A and Form B of AZELLA at a short interval between two test administrations in order to calculate the parallel form reliability.

The target number of students who would participate in the parallel form study was 500 per form for each stage. The random assignment of spring 2013 administration forms was first completed at school level. Students in some schools would take Form A and then Form B and students in the other schools would take Form B and then Form A to achieve the counter balancing design. The form that students would take first for the spring 2013 administration is called “assigned form”. The sample was selected at the school level prior to the spring 2013 administration based on the student level demographic information provided by the Department. The selected schools whose “assigned form” was Form A were assigned Form B for the parallel study while the other selected schools whose “assigned form” was Form B were assigned Form A for the parallel study. The form students would take for the parallel study is called “parallel form”. Only one grade from each stage was selected to minimize the burden on students and schools. Grades 2, 4, 6, and 9 were selected for the study. The number of schools and students selected to participate in the parallel form study is summarized in Table 10.2.

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Table 10.2: Number of Participating Schools and Students by Stage

Stage	Parallel Form	Number of Schools	Number of Students
II	A	29	509
	B	30	511
III	A	37	502
	B	37	504
IV	A	45	536
	B	46	502
V	A	61	500
	B	70	515

The Spring 2013 AZELLA Parallel Form Study required that students would complete both the "assigned form" and the "parallel form" of the Spring 2013 AZELLA within test window of January 14, 2013 through February 22, 2013. The student would complete the administration of the "assigned form" first, and would complete the administration of the "parallel form" second. The participating schools were advised to administer both the "assigned form" and the "parallel form" exactly as directed in the AZELLA Test Administration Directions. They were also advised that the students would complete the "parallel form" within one week of completing the "assigned form." The participating students were encouraged to do their best on both forms.

Once data for the parallel study were produced, the data were merged with the data for the spring 2013 administration to get scores on the "assigned form" by Student ID (SAIS), last name, and first name. After data were cleaned, only ELL students were included in any further analyses. The number of ELL students in the analyses is summarized in Table 10.3.

Table 10.3: Number of ELL Students in the Parallel Form Analysis by Stage

Stage	Parallel Form	Number of ELL Students
II	A	253
	B	262
III	A	209
	B	195
IV	A	117
	B	180
V	A	125
	B	164

First, the difficulties of AZELLA forms were examined using descriptive statistics on scale scores for strands (Listening, Speaking, Reading, Writing, and Total Combined). The average scale scores for both forms and associated paired-t statistics (Table 10.4 through Table 10.7) showed that the difficulties of the two forms were comparable.

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Table 10.4: Descriptive Statistics on Stage II Forms

	Form A		Form B			
Strand	Mean	SD	Mean	SD	*t*	P-value
Listening	256.08	48.60	256.33	48.37	-0.12	0.91
Speaking	249.24	23.98	248.99	25.68	0.27	0.79
Reading	250.02	27.01	253.90	29.98	-3.79	<0.01
Writing	253.26	35.06	252.77	37.58	0.38	0.70
Total Combined	2425.12	49.44	2427.72	52.45	-1.91	0.06

N=515

Table 10.5: Descriptive Statistics on Stage III Forms

	Form A		Form B			
Strand	Mean	SD	Mean	SD	*t*	P-value
Listening	236.90	36.97	236.22	33.95	0.36	0.72
Speaking	243.47	37.10	245.74	37.30	-1.47	0.14
Reading	233.55	29.64	235.55	28.77	-1.60	0.11
Writing	236.95	36.60	236.87	33.39	0.06	0.95
Total Combined	2443.79	48.11	2444.94	45.67	-0.85	0.40

N=404

Table 10.6: Descriptive Statistics on Stage IV Forms

	Form A		Form B			
Strand	Mean	SD	Mean	SD	*t*	P-value
Listening	240.46	45.26	235.12	37.54	2.31	0.02
Speaking	256.84	46.81	254.18	44.71	1.25	0.21
Reading	234.38	33.55	233.15	28.48	0.78	0.44
Writing	236.64	35.10	234.92	33.59	1.13	0.26
Total Combined	2455.62	47.53	2452.02	41.59	2.55	0.01

N=297

Table 10.7: Descriptive Statistics on Stage V Forms

	Form A		Form B			
Strand	Mean	SD	Mean	SD	*t*	P-value
Listening	228.32	38.15	228.74	38.00	-0.20	0.84
Speaking	236.60	42.89	236.20	40.51	0.25	0.80
Reading	224.30	31.23	226.75	30.37	-1.53	0.13
Writing	223.38	28.33	223.66	29.80	-0.21	0.83
Total Combined	2459.17	49.70	2461.38	49.26	-1.28	0.20

N=289

A parallel form reliability coefficient was calculated by a correlation of raw scores between two forms. The parallel form reliability coefficients for the domains are summarized in Table 10.8.

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The reliability coefficients for Total Combined range from 0.830 to 0.853. On the other hand, the reliability coefficients for the domains range from 0.506 to 0.867.

Table 10.8: Parallel Form Reliability Coefficients by Stage

Stage	N	Listening	Speaking	Reading	Writing	Total Combined
II	515	0.506	0.648	0.724	0.757	0.830
III	404	0.507	0.801	0.661	0.734	0.840
IV	297	0.576	0.820	0.623	0.700	0.853
V	289	0.561	0.867	0.623	0.729	0.844

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 10.9 through Table 10.21were 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):

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

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 10.9 through Table 10.21.

Table 10.9: Interrater Reliability Statistics for Items in Prewriting on Stage I

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
33	A	SA2	2	0.88	0.96
34	AB	SA2	2	0.63	0.82
35	B	SA2	2	0.76	0.93
36	B	SA1	1	0.94	0.97
37	A	SA1	1	0.91	0.95
38	B	SA1	1	0.91	0.95
39	B	SA3	3	0.53	0.84
40	A	SA3	3	0.61	0.88
41	B	SA2	2	0.85	0.96
42	A	SA2	2	0.66	0.86
43	AB	SA3	3	0.54	0.89
44	A	SA2	2	0.55	0.74
45	B	SA2	2	0.55	0.74
46	A	SA2	2	0.80	0.95
47	A	SA1	1	0.94	0.97
48	B	SA2	2	0.65	0.84

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 the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.10: Interrater Reliability Statistics for Items in Speaking on Stage I

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
73	AB	SA2	2	0.35	0.74
74	A	SA2	2	0.33	0.71
75	A	SA2	2	0.27	0.68
76	A	SA1	1	0.37	0.52
77	B	SA2	2	0.33	0.72
78	B	SA1	1	0.32	0.49
79	B	SA1	1	0.27	0.35
80	B	SA1	1	0.56	0.72
81	A	SA1	1	0.36	0.53
82	AB	SA1	1	0.17	0.06
83	A	SA1	1	0.71	0.83
84	B	SA2	2	0.31	0.71

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, 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 10.11: Interrater Reliability Statistics for Items in Reading on Stage II

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
91	A	SA3	3	0.29	0.69
92	A	SA1	1	0.27	0.36
93	B	SA1	1	0.23	0.28
94	A	SA1	1	0.06	-0.39
99	B	SA3	3	0.34	0.77
100	B	SA1	1	0.12	-0.08

Note: SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.12: Interrater Reliability Statistics for Items in Writing on Stage II

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
58	A	ER	3	0.59	0.90
59	A	ER	3	0.52	0.88
60	B	ER	3	0.58	0.89
61	B	ER	3	0.55	0.87

Note: ER=Extended Response Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.13: Interrater Reliability Statistics for Items in Speaking on Stage II

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
87	A	SA4	4	0.26	0.79
88	AB	SA4	4	0.09	0.63
89	B	SA4	4	0.09	0.62
90	A	SA4	4	-0.02	0.33
95	A	SA4	4	0.12	0.71
96	B	SA4	4	0.23	0.83
97	B	SA4	4	0.02	0.40
98	A	SA4	4	-0.01	0.27
101	B	SA4	4	0.10	0.73
102	A	SA4	4	0.15	0.75
103	B	SA4	4	-0.09	0.21
104	AB	SA4	4	0.27	0.76
87	A	SA4	4	0.26	0.79

Note: SA4=4 Point Short Answer Item, 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 10.14: Interrater Reliability Statistics for Items in Reading on Stage III

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
42	B	SA1	1	0.54	0.70
43	A	SA1	1	0.08	0.11
44	B	SA1	1	0.30	0.38
45	B	SA1	1	0.19	0.22
46	A	SA1	1	0.30	0.39
47	A	SA1	1	0.28	0.31

Note: SA1=1 Point Short Answer Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.15: Interrater Reliability Statistics for Items in Writing on Stage III

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
76	B	ER	5	0.43	0.83
77	B	ER	5	0.42	0.88
78	A	ER	5	0.52	0.90
79	A	ER	5	0.44	0.88

Note: ER=Extended Response Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.16: Interrater Reliability Statistics for Items in Speaking on Stage III

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
105	A	SA4	4	0.07	0.51
106	A	SA4	4	0.10	0.69
107	A	SA4	4	0.27	0.80
108	B	SA4	4	0.28	0.76
109	B	SA4	4	0.10	0.52
110	B	SA4	4	0.08	0.66
111	B	SA4	4	0.09	0.59
112	AB	SA4	4	0.14	0.73
113	B	SA4	4	0.18	0.71
114	A	SA4	4	0.29	0.80
115	A	SA4	4	0.11	0.60
116	AB	SA4	4	0.20	0.81

Note: SA4=4 Point Short Answer Item, 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 10.17: Interrater Reliability Statistics for Items in Reading on Stage IV

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
47	B	SA1	1	0.25	0.29
48	A	SA1	1	0.21	0.16
49	A	SA1	1	0.14	-0.08
50	B	SA1	1	0.35	0.51

Note: SA1=1 Point Short Answer Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.18: Interrater Reliability Statistics for Items in Writing on Stage IV

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
83	B	ER	5	0.41	0.87
84	B	ER	5	0.42	0.86
85	A	ER	5	0.41	0.85
86	A	ER	5	0.39	0.85

Note: ER=Extended Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.19: Interrater Reliability Statistics for Items in Speaking on Stage IV

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
112	B	SA4	4	0.23	0.77
113	B	SA4	4	0.06	0.39
114	B	SA4	4	0.40	0.79
115	A	SA4	4	0.05	0.42
116	A	SA4	4	0.13	0.61
117	B	SA4	4	0.35	0.82
118	A	SA4	4	0.20	0.74
119	A	SA4	4	0.26	0.80
120	A	SA4	4	0.12	0.60
121	AB	SA4	4	0.28	0.79
122	AB	SA4	4	0.15	0.78
123	B	SA4	4	0.18	0.67

Note: SA4=4 Point Short Answer Item, 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 10.20: Interrater Reliability Statistics for Items in Writing on Stage V

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
83	A	ER	5	0.46	0.86
84	B	ER	5	0.41	0.85
85	A	ER	5	0.42	0.88
86	B	ER	5	0.48	0.89

Note: ER=Extended Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.21: Interrater Reliability Statistics for Items in Speaking on Stage V

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
112	AB	SA4	4	0.33	0.89
113	A	SA4	4	0.23	0.75
114	B	SA4	4	0.37	0.84
115	A	SA4	4	0.21	0.73
116	AB	SA4	4	0.34	0.83
117	B	SA4	4	0.29	0.79
118	B	SA4	4	0.26	0.79
119	B	SA4	4	0.20	0.77
120	A	SA4	4	0.40	0.87
121	B	SA4	4	0.20	0.78
122	A	SA4	4	0.38	0.82
123	A	SA4	4	0.22	0.80

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

10.2 Validity

"Validity refers to the degree to which evidence and theory support the interpretations of test scores entailed by proposed users of tests. Validity is, therefore, the most fundamental consideration in developing and evaluating tests" (AERA/APA/NCME, 1999). 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 2013 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

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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 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 7 described classical data analysis of the Spring 2013 AZELLA and the Kindergarten Placement Test during the 2012-2013 school year.

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 2013 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 2013 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 2013 AZELLA tests for each stage as construct validity were presented.

Also note that further evidence in support of the AZELLA assessment has been documented in the standard setting technical reports.

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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

$$\alpha_{MH}=\frac{\sum_{k=1}^{K} N_{r1k}N_{f0k}/N_k}{\sum_{k=1}^{K} N_{f1k}N_{r0k}/N_k},$$

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

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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 10.22. An alpha level of .01 was used for all Mantel-Haenszel statistics.

Table 10.22: 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 $\lvert MH\text{-}D\ DIF\rvert < 1.0$
B	Weak DIF	Significant Mantel-Haenszel chi-square ($p<.01$) and $1.0 \le \lvert MH\text{-}D\ DIF\rvert < 1.5$
C	Strong DIF	Significant Mantel-Haenszel chi-square ($p<.01$) and $\lvert MH\text{-}D\ DIF\rvert \ge 1.5$

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 10.23. An alpha level of .01 was used for all SMD statistics.

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Table 10.23: Differential Item Functioning Flag Categories based on the SMD Statistics

Category	Description	Criterion
A	No DIF	*SMD* not significantly different from 0 or $\lvert SMD \rvert < 0.17$
B	Weak DIF	Significant *SMD* ($p < .01$) and $0.17 \leq \lvert SMD \rvert < 0.25$
C	Strong DIF	Significant *SMD* ($p < .01$) and $\lvert SMD \rvert \geq 0.25$

DIF statistics are summarized by stage and domain in Table 10.24 through Table 10.86. 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 10.24: DIF Statistics in Prereading on the Kindergarten Placement Test

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
18	PR1	11738	12228	0.92	0.08	0.01	A	20334	3632	15.76	0.48	0.06	A
33	PR1	11738	12228	0.67	-0.05	-0.01	A	20334	3632	17.71	-0.41	-0.05	A
34	PR1	11738	12228	21.39	-0.32	-0.05	A	20334	3632	40.46	-0.63	-0.08	A
35	PR1	11738	12228	4.57	0.14	0.03	A	20334	3632	29.55	-0.52	-0.06	A
38	OR3	11738	12228	12.83		0.02	A	20334	3632	1.30		-0.01	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 10.25: DIF Statistics in Prewriting on the Kindergarten Placement Test

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
16	PR1	11738	12228	0.20	0.04	0.00	A	20334	3632	10.59	-0.49	-0.05	A
17	PR1	11738	12228	2.81	0.16	0.02	A	20334	3632	14.05	-0.59	-0.05	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 10.26: DIF Statistics in Listening/Speaking on the Kindergarten Placement Test

		Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic					
Item	Item Type	NF	NR	MHχ^2	ΔMH	SMD	Flag	NF	NR	MHχ^2	ΔMH	SMD	Flag
1	OR1	11738	12228	40.68	0.92	0.08	A	20334	3632	6.48	0.58	0.06	A
2	OR1	11738	12228	3.29	0.16	0.02	A	20334	3632	308.97	-2.57	-0.29	C<
3	OR1	11738	12228	0.21	0.05	0.00	A	20334	3632	0.01	-0.01	0.00	A
4	OR1	11738	12228	32.64	-0.49	-0.06	A	20334	3632	12.19	0.46	0.06	A
5	OR1	11738	12228	1.42	0.11	0.01	A	20334	3632	31.62	-0.90	-0.09	A
6	OR1	11738	12228	7.88	0.24	0.03	A	20334	3632	10.30	-0.41	-0.04	A
7	PR1	11738	12228	0.37	-0.06	-0.01	A	20334	3632	13.51	0.58	0.06	A
8	PR1	11738	12228	7.16	0.28	0.03	A	20334	3632	34.82	0.98	0.09	A
9	PR2	11738	12228	10.66		0.03	A	20334	3632	0.76		0.00	A
10	PR2	11738	12228	9.96		0.02	A	20334	3632	4.90		-0.02	A
11	OR1	11738	12228	0.45	0.06	0.01	A	20334	3632	3.50	-0.28	-0.04	A
12	OR1	11738	12228	27.41	-0.55	-0.05	A	20334	3632	51.52	-1.34	-0.12	B<
13	OR1	11738	12228	57.87	-0.79	-0.07	A	20334	3632	23.03	-0.86	-0.08	A
14	OR1	11738	12228	40.59	-0.72	-0.06	A	20334	3632	53.52	-1.54	-0.13	C<
15	OR1	11738	12228	112.06	-1.05	-0.10	B<	20334	3632	80.88	-1.53	-0.14	C<
19	PR1	11738	12228	2.82	-0.12	-0.02	A	20334	3632	2.71	-0.16	-0.01	A
20	OR1	11738	12228	26.80	0.49	0.06	A	20334	3632	15.40	0.60	0.09	A
21	OR1	11738	12228	12.08	0.37	0.04	A	20334	3632	0.25	0.09	0.02	A
22	OR1	11738	12228	12.56	0.40	0.04	A	20334	3632	2.01	0.27	0.04	A
23	OR1	11738	12228	2.43	-0.13	-0.02	A	20334	3632	141.12	1.45	0.18	B>
24	OR1	11738	12228	0.64	-0.07	-0.01	A	20334	3632	263.60	1.96	0.26	C>
25	OR1	11738	12228	0.38	-0.05	-0.01	A	20334	3632	7.13	0.29	0.04	A
26	OR1	11738	12228	32.02	0.49	0.06	A	20334	3632	3.72	0.26	0.04	A
27	OR1	11738	12228	4.98	0.21	0.02	A	20334	3632	8.00	0.44	0.06	A
28	OR1	11738	12228	0.03	-0.01	0.00	A	20334	3632	9.50	-0.44	-0.04	A
29	OR1	11738	12228	8.83	0.25	0.03	A	20334	3632	7.38	-0.36	-0.03	A
30	OR1	11738	12228	0.54	0.06	0.01	A	20334	3632	3.42	-0.23	-0.03	A
31	OR1	11738	12228	4.34	0.16	0.02	A	20334	3632	0.18	0.05	0.01	A
32	OR1	11738	12228	4.34	0.16	0.02	A	20334	3632	12.50	-0.41	-0.06	A
36	PR1	11738	12228	0.95	-0.07	-0.01	A	20334	3632	2.79	-0.17	-0.02	A
37	PR1	11738	12228	6.37	0.20	0.03	A	20334	3632	7.01	-0.33	-0.03	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 10.27: DIF Statistics based on ELL Students for Items in Prereading 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	2431	2715	0.42	0.11	0.02	A	4668	480	1.78	-0.38	-0.06	A	207	4941	1.80	0.55	0.10	A	403	4745	5.95	-0.67	-0.13	A
2	MC	4877	5419	13.06	0.44	0.06	A	9299	999	4.09	0.41	0.06	A	439	9859	0.87	0.27	0.04	A	809	9489	1.80	-0.28	-0.05	A
3	MC	2446	2704	1.16	0.15	0.03	A	4631	519	2.46	-0.35	-0.06	A	232	4918	0.12	-0.11	-0.02	A	406	4744	0.65	0.20	0.04	A
4	MC	2431	2715	0.13	-0.05	-0.01	A	4668	480	5.47	-0.58	-0.12	A	207	4941	0.00	-0.01	0.00	A	403	4745	1.09	-0.26	-0.05	A
5	MC	2431	2715	0.07	-0.03	-0.01	A	4668	480	3.72	-0.44	-0.10	A	207	4941	3.00	0.59	0.12	A	403	4745	4.58	0.53	0.11	A
6	MC	2446	2704	139.77	-1.69	-0.31	C<	4631	519	0.05	0.05	0.01	A	232	4918	0.64	0.27	0.05	A	406	4744	0.02	-0.03	-0.01	A
7	MC	2446	2704	5.75	-0.35	-0.06	A	4631	519	2.10	0.37	0.05	A	232	4918	0.03	-0.06	-0.01	A	406	4744	0.59	0.20	0.04	A
8	MC	2446	2704	5.28	-0.34	-0.06	A	4631	519	1.75	0.32	0.05	A	232	4918	1.30	-0.37	-0.07	A	406	4744	1.02	0.27	0.05	A
9	MC	2431	2715	2.89	0.23	0.04	A	4668	480	1.85	0.32	0.06	A	207	4941	0.47	-0.23	-0.05	A	403	4745	0.30	-0.14	-0.03	A
10	MC	2431	2715	13.34	-0.52	-0.09	A	4668	480	4.82	0.54	0.10	A	207	4941	0.03	-0.07	-0.01	A	403	4745	1.37	-0.31	-0.06	A
11	MC	2431	2715	2.15	0.22	0.04	A	4668	480	0.39	-0.16	-0.03	A	207	4941	0.54	0.26	0.05	A	403	4745	0.82	-0.25	-0.05	A
12	MC	4877	5419	2.34	0.18	0.03	A	9299	999	13.44	-0.78	-0.11	A	439	9859	10.48	-0.88	-0.15	A	809	9489	0.13	-0.07	-0.02	A
13	MC	2446	2704	0.45	-0.09	-0.02	A	4631	519	3.04	-0.41	-0.07	A	232	4918	0.02	-0.05	-0.01	A	406	4744	1.90	0.36	0.07	A
14	MC	2446	2704	148.47	1.72	0.32	C>	4631	519	0.57	-0.17	-0.03	A	232	4918	0.26	-0.17	-0.03	A	406	4744	1.21	-0.30	-0.06	A
15	MC	2446	2704	3.92	0.28	0.05	A	4631	519	0.26	-0.12	-0.01	A	232	4918	2.42	-0.55	-0.10	A	406	4744	0.93	0.26	0.04	A
16	MC	2446	2704	10.92	-0.47	-0.08	A	4631	519	4.75	0.53	0.11	A	232	4918	1.95	-0.46	-0.09	A	406	4744	6.09	0.63	0.13	A
17	MC	2446	2704	15.03	-0.60	-0.10	A	4631	519	5.69	0.62	0.10	A	232	4918	0.32	0.21	0.04	A	406	4744	0.55	-0.20	-0.04	A
18	MC	2446	2704	2.14	0.20	0.04	A	4631	519	4.39	-0.48	-0.09	A	232	4918	4.38	-0.67	-0.14	A	406	4744	2.22	0.37	0.08	A
19	MC	2431	2715	29.01	-0.74	-0.14	A	4668	480	1.40	0.28	0.06	A	207	4941	0.32	-0.19	-0.04	A	403	4745	0.91	-0.24	-0.05	A
20	MC	2431	2715	20.47	-0.64	-0.11	A	4668	480	0.91	0.24	0.04	A	207	4941	2.51	0.58	0.11	A	403	4745	0.38	-0.16	-0.03	A
21	MC	2446	2704	3.65	-0.28	-0.05	A	4631	519	1.81	-0.34	-0.07	A	232	4918	0.42	0.23	0.04	A	406	4744	0.05	0.06	0.01	A
22	MC	2446	2704	1.54	-0.19	-0.03	A	4631	519	3.41	-0.48	-0.08	A	232	4918	2.99	-0.58	-0.10	A	406	4744	0.19	-0.13	-0.02	A
23	MC	2431	2715	20.48	0.64	0.12	A	4668	480	0.36	0.15	0.03	A	207	4941	1.10	-0.37	-0.07	A	403	4745	2.94	-0.47	-0.08	A
24	MC	2431	2715	5.18	0.31	0.06	A	4668	480	5.71	-0.57	-0.11	A	207	4941	0.30	-0.18	-0.04	A	403	4745	4.09	-0.51	-0.11	A
25	MC	2431	2715	0.85	-0.13	-0.03	A	4668	480	1.20	0.25	0.06	A	207	4941	2.31	-0.51	-0.10	A	403	4745	0.14	0.10	0.02	A
26	MC	2446	2704	2.25	-0.25	-0.04	A	4631	519	0.01	-0.03	-0.01	A	232	4918	1.51	-0.46	-0.08	A	406	4744	1.80	-0.37	-0.07	A
27	MC	2431	2715	10.39	-0.53	-0.09	A	4668	480	2.64	-0.48	-0.09	A	207	4941	0.04	0.08	0.02	A	403	4745	0.24	0.15	0.03	A
28	MC	2431	2715	7.71	-0.39	-0.07	A	4668	480	0.91	0.23	0.04	A	207	4941	0.28	0.19	0.04	A	403	4745	1.60	-0.32	-0.06	A
29	MC	2446	2704	7.51	0.38	0.06	A	4631	519	11.22	0.79	0.16	A	232	4918	2.53	-0.52	-0.10	A	406	4744	2.78	-0.43	-0.09	A
30	MC	2431	2715	4.31	0.33	0.05	A	4668	480	0.62	-0.21	-0.03	A	207	4941	4.43	-0.82	-0.13	A	403	4745	2.49	-0.46	-0.08	A
31	MC	4877	5419	6.65	-0.31	-0.05	A	9299	999	2.28	0.29	0.04	A	439	9859	0.01	-0.03	-0.01	A	809	9489	0.00	0.01	0.00	A
32	MC	4877	5419	16.89	-0.40	-0.08	A	9299	999	1.23	-0.19	-0.04	A	439	9859	0.52	0.17	0.03	A	809	9489	0.55	0.14	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.28: DIF Statistics based on ELL Students' Home Languages for Items in Prereading 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	3731	1417	1.49	0.22	0.04	A	3731	379	0.09	-0.09	-0.02	A	1038	379	1.67	-0.46	-0.07	A	18	379	0.23	0.68	0.11	A
2	MC	7420	2878	3.73	0.26	0.03	A	7420	823	0.48	-0.16	-0.02	A	2055	823	4.92	-0.57	-0.08	A	40	823	0.04	0.21	0.03	A
3	MC	3689	1461	2.82	-0.25	-0.05	A	3689	444	0.33	-0.14	-0.04	A	1017	444	0.52	0.20	0.04	A	22	444	0.74	0.92	0.19	A
4	MC	3731	1417	0.54	0.12	0.02	A	3731	379	0.80	0.24	0.04	A	1038	379	0.39	0.19	0.03	A	18	379	2.35	2.00	0.35	A
5	MC	3731	1417	0.49	-0.10	-0.02	A	3731	379	6.23	-0.65	-0.13	A	1038	379	6.08	-0.72	-0.14	A	18	379	0.47	0.80	0.17	A
6	MC	3689	1461	0.24	0.08	0.02	A	3689	444	0.00	0.02	-0.01	A	1017	444	0.05	-0.07	-0.01	A	22	444	0.00	-0.02	0.00	A
7	MC	3689	1461	0.22	-0.08	-0.02	A	3689	444	0.99	0.26	0.06	A	1017	444	2.49	0.48	0.08	A	22	444	0.02	0.16	0.02	A
8	MC	3689	1461	3.39	-0.30	-0.06	A	3689	444	2.41	-0.42	-0.08	A	1017	444	0.33	-0.18	-0.03	A	22	444	0.15	0.49	0.07	A
9	MC	3731	1417	0.14	-0.06	-0.01	A	3731	379	1.50	-0.31	-0.06	A	1038	379	1.58	-0.36	-0.07	A	18	379	0.03	0.22	0.05	A
10	MC	3731	1417	0.52	0.12	0.02	A	3731	379	1.26	-0.31	-0.05	A	1038	379	3.35	-0.57	-0.10	A	18	379	1.69	-1.61	-0.29	A
11	MC	3731	1417	5.06	-0.37	-0.07	A	3731	379	12.20	-1.03	-0.18	B<	1038	379	8.40	-0.95	-0.17	A	18	379	2.95	-1.97	-0.40	A
12	MC	7420	2878	1.64	0.17	0.03	A	7420	823	1.03	0.22	0.04	A	2055	823	0.07	0.06	0.01	A	40	823	2.40	1.61	0.23	A
13	MC	3689	1461	0.27	-0.08	-0.01	A	3689	444	0.07	0.06	0.02	A	1017	444	0.57	0.22	0.04	A	22	444	0.50	0.84	0.14	A
14	MC	3689	1461	0.64	-0.13	-0.02	A	3689	444	0.01	-0.02	0.01	A	1017	444	0.27	0.15	0.03	A	22	444	0.01	0.09	0.02	A
15	MC	3689	1461	0.54	-0.12	-0.02	A	3689	444	0.06	0.06	0.01	A	1017	444	0.92	0.28	0.05	A	22	444	0.14	0.48	0.07	A
16	MC	3689	1461	0.26	0.08	0.01	A	3689	444	0.61	-0.20	-0.04	A	1017	444	1.93	-0.41	-0.07	A	22	444	3.15	2.44	0.35	A
17	MC	3689	1461	0.40	0.11	0.01	A	3689	444	0.04	0.06	0.01	A	1017	444	0.06	-0.08	0.00	A	22	444	0.01	0.13	0.02	A
18	MC	3689	1461	0.73	0.13	0.03	A	3689	444	2.37	0.37	0.07	A	1017	444	1.71	0.36	0.07	A	22	444	0.35	-0.64	-0.13	A
19	MC	3731	1417	0.02	-0.02	0.00	A	3731	379	0.51	-0.19	-0.04	A	1038	379	0.65	-0.24	-0.05	A	18	379	0.14	0.46	0.09	A
20	MC	3731	1417	0.31	0.09	0.01	A	3731	379	0.16	-0.11	-0.03	A	1038	379	0.84	-0.28	-0.06	A	18	379	0.01	-0.14	-0.03	A
21	MC	3689	1461	0.01	0.01	-0.01	A	3689	444	0.02	-0.04	-0.02	A	1017	444	0.07	-0.08	-0.02	A	22	444	2.18	2.09	0.30	A
22	MC	3689	1461	1.07	0.18	0.03	A	3689	444	0.25	0.14	0.03	A	1017	444	0.05	-0.07	-0.01	A	22	444	0.31	-0.65	-0.11	A
23	MC	3731	1417	0.19	0.07	0.01	A	3731	379	1.32	-0.31	-0.05	A	1038	379	2.67	-0.49	-0.09	A	18	379	0.19	0.58	0.10	A
24	MC	3731	1417	3.19	-0.27	-0.06	A	3731	379	0.25	-0.13	-0.03	A	1038	379	0.45	0.20	0.04	A	18	379	1.48	1.53	0.29	A
25	MC	3731	1417	0.35	-0.09	-0.02	A	3731	379	0.06	-0.07	-0.02	A	1038	379	0.00	0.02	0.00	A	18	379	0.64	1.01	0.19	A
26	MC	3689	1461	1.49	0.22	0.04	A	3689	444	1.19	0.32	0.05	A	1017	444	0.26	0.17	0.03	A	22	444	0.00	0.03	0.00	A
27	MC	3731	1417	0.19	-0.08	-0.02	A	3731	379	3.13	-0.60	-0.09	A	1038	379	3.23	-0.66	-0.11	A	18	379	2.78	-2.05	-0.41	A
28	MC	3731	1417	0.00	-0.01	0.00	A	3731	379	0.16	0.11	0.02	A	1038	379	0.22	0.14	0.02	A	18	379	0.81	-1.07	-0.21	A
29	MC	3689	1461	0.00	0.01	0.00	A	3689	444	1.59	-0.31	-0.06	A	1017	444	2.98	-0.49	-0.09	A	22	444	0.02	0.20	0.03	A
30	MC	3731	1417	3.26	0.31	0.05	A	3731	379	1.93	0.43	0.06	A	1038	379	0.06	0.08	0.01	A	18	379	0.01	-0.18	-0.01	A
31	MC	7420	2878	1.86	0.18	0.02	A	7420	823	2.36	0.33	0.05	A	2055	823	1.07	0.25	0.04	A	40	823	0.81	-0.83	-0.14	A
32	MC	7420	2878	3.75	-0.21	-0.04	A	7420	823	2.60	-0.29	-0.05	A	2055	823	0.30	-0.11	-0.03	A	40	823	1.43	1.01	0.19	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 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 and FEP Students for Items in Prereading 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	5836	5148	34.28	0.86	0.09	A	0	10984				
2	MC	11463	10298	57.99	0.85	0.06	A	0	21761				
3	MC	5627	5150	1.42	-0.13	0.01	A	0	10777				
4	MC	5836	5148	14.06	0.42	0.09	A	0	10984				
5	MC	5836	5148	8.72	0.30	0.12	A	0	10984				
6	MC	5627	5150	28.58	0.61	0.11	A	0	10777				
7	MC	5627	5150	4.78	0.26	0.03	A	0	10777				
8	MC	5627	5150	15.58	0.47	0.09	A	0	10777				
9	MC	5836	5148	3.05	0.18	0.05	A	0	10984				
10	MC	5836	5148	66.15	0.93	0.12	A	0	10984				
11	MC	5836	5148	19.57	0.53	0.06	A	0	10984				
12	MC	11463	10298	58.77	-0.77	-0.08	A	0	21761				
13	MC	5627	5150	7.16	0.30	0.05	A	0	10777				
14	MC	5627	5150	0.66	-0.09	0.01	A	0	10777				
15	MC	5627	5150	10.24	0.36	0.06	A	0	10777				
16	MC	5627	5150	19.05	0.51	0.08	A	0	10777				
17	MC	5627	5150	28.73	0.73	0.08	A	0	10777				
18	MC	5627	5150	4.45	0.22	0.06	A	0	10777				
19	MC	5836	5148	0.74	0.09	0.05	A	0	10984				
20	MC	5836	5148	1.58	0.14	0.03	A	0	10984				
21	MC	5627	5150	8.59	0.35	0.05	A	0	10777				
22	MC	5627	5150	0.03	-0.02	0.00	A	0	10777				
23	MC	5836	5148	1.54	0.13	0.01	A	0	10984				
24	MC	5836	5148	2.32	-0.16	-0.03	A	0	10984				
25	MC	5836	5148	18.51	-0.46	-0.09	A	0	10984				
26	MC	5627	5150	20.31	0.67	0.08	A	0	10777				
27	MC	5836	5148	1.49	0.16	0.02	A	0	10984				
28	MC	5836	5148	3.50	0.21	0.04	A	0	10984				
29	MC	5627	5150	6.66	-0.28	-0.03	A	0	10777				
30	MC	5836	5148	2.14	-0.19	-0.03	A	0	10984				
31	MC	11463	10298	39.94	0.66	0.07	A	0	21761				
32	MC	11463	10298	83.95	0.69	0.13	A	0	21761				

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.30: DIF Statistics based on ELL Students for Items in Prewriting 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	2431	2715	8.35		0.07	A	4668	480	1.87		0.05	A	207	4941	1.00		0.04	A	403	4745	0.55		-0.03	A
34	SA2	4877	5419	70.99		0.15	A	9299	999	14.81		0.00	A	439	9859	3.45		0.07	A	809	9489	13.64		-0.11	A
35	SA2	2446	2704	1.19		0.01	A	4631	519	7.60		-0.10	A	232	4918	2.25		-0.06	A	406	4744	7.85		-0.05	A
36	SA1	2446	2704	0.76	-0.12	-0.03	A	4631	519	0.19	-0.10	-0.03	A	232	4918	0.38	-0.21	-0.04	A	406	4744	0.11	0.09	0.02	A
37	SA1	2431	2715	0.90	0.13	0.03	A	4668	480	7.26	0.66	0.13	A	207	4941	6.33	-0.91	-0.17	A	403	4745	0.59	-0.21	-0.04	A
38	SA1	2446	2704	0.27	0.07	0.01	A	4631	519	0.84	0.22	0.04	A	232	4918	0.42	0.21	0.04	A	406	4744	1.97	0.36	0.07	A
39	SA3	2446	2704	10.35		0.07	A	4631	519	6.04		-0.06	A	232	4918	0.40		-0.01	A	406	4744	2.24		-0.02	A
40	SA3	2431	2715	3.87		0.04	A	4668	480	4.62		0.01	A	207	4941	8.68		-0.14	A	403	4745	0.88		-0.02	A
41	SA2	2446	2704	15.20		0.09	A	4631	519	7.69		-0.11	A	232	4918	7.43		0.15	A	406	4744	4.53		-0.09	A
42	SA2	2431	2715	16.04		0.09	A	4668	480	1.58		-0.03	A	207	4941	4.97		-0.13	A	403	4745	7.02		-0.10	A
43	SA3	4877	5419	14.11		0.06	A	9299	999	10.04		-0.06	A	439	9859	5.54		-0.06	A	809	9489	15.75		-0.06	A
44	SA2	2431	2715	35.70		0.15	A	4668	480	0.36		0.01	A	207	4941	8.33		-0.09	A	403	4745	2.13		-0.01	A
45	SA2	2446	2704	41.04		0.17	A	4631	519	2.59		-0.02	A	232	4918	2.56		0.10	A	406	4744	16.67		-0.12	A
46	SA2	2431	2715	9.21		0.06	A	4668	480	0.35		-0.02	A	207	4941	0.33		-0.03	A	403	4745	5.42		-0.10	A
47	SA1	2431	2715	0.71	0.12	0.02	A	4668	480	1.10	0.25	0.05	A	207	4941	0.08	0.10	0.02	A	403	4745	0.34	-0.15	-0.03	A
48	SA2	2446	2704	1.95		0.03	A	4631	519	2.46		-0.06	A	232	4918	3.13		0.09	A	406	4744	1.17		0.02	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 the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.31: DIF Statistics based on ELL Students' Home Languages for Items in Prewriting 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	3731	1417	16.65		0.10	A	3731	379	6.03		0.11	A	1038	379	0.29		0.00	A	18	379	1.30		0.19	A
34	SA2	7420	2878	18.72		0.03	A	7420	823	4.04		-0.06	A	2055	823	12.98		-0.14	A	40	823	1.65		0.11	A
35	SA2	3689	1461	2.28		-0.01	A	3689	444	1.45		-0.02	A	1017	444	6.74		-0.02	A	22	444	2.88		-0.12	A
36	SA1	3689	1461	0.74	0.14	0.02	A	3689	444	0.89	0.25	0.06	A	1017	444	0.21	0.14	0.02	A	22	444	0.34	0.65	0.12	A
37	SA1	3731	1417	1.48	0.19	0.03	A	3731	379	2.16	0.39	0.07	A	1038	379	1.03	0.30	0.04	A	18	379	1.34	-1.50	-0.28	A
38	SA1	3689	1461	1.59	0.20	0.04	A	3689	444	0.72	0.21	0.05	A	1017	444	0.02	0.04	0.01	A	22	444	1.13	1.18	0.22	A
39	SA3	3689	1461	3.37		0.03	A	3689	444	3.69		-0.05	A	1017	444	14.79		-0.12	A	22	444	3.36		-0.27	A
40	SA3	3731	1417	9.64		0.08	A	3731	379	1.50		0.06	A	1038	379	1.06		-0.03	A	18	379	4.21		0.16	A
41	SA2	3689	1461	0.95		-0.01	A	3689	444	0.53		-0.02	A	1017	444	2.33		-0.02	A	22	444	2.01		0.27	A
42	SA2	3731	1417	0.35		0.00	A	3731	379	1.64		0.05	A	1038	379	2.14		0.07	A	18	379	1.92		0.28	A
43	SA3	7420	2878	8.40		0.04	A	7420	823	2.81		0.04	A	2055	823	0.18		-0.01	A	40	823	3.34		0.01	A
44	SA2	3731	1417	5.16		0.01	A	3731	379	1.01		0.02	A	1038	379	0.39		0.02	A	18	379	3.72		0.43	A
45	SA2	3689	1461	1.52		0.01	A	3689	444	1.73		-0.06	A	1017	444	3.10		-0.09	A	22	444	1.79		-0.12	A
46	SA2	3731	1417	9.02		0.08	A	3731	379	2.85		0.07	A	1038	379	0.08		-0.01	A	18	379	0.73		-0.07	A
47	SA1	3731	1417	2.54	0.25	0.04	A	3731	379	0.44	0.18	0.03	A	1038	379	0.12	-0.10	-0.03	A	18	379	0.30	-0.68	-0.12	A
48	SA2	3689	1461	0.17		-0.01	A	3689	444	0.75		-0.02	A	1017	444	0.87		-0.04	A	22	444	0.41		-0.08	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.32: DIF Statistics based on ELL and FEP Students for Items in Prewriting 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	5836	5148	12.16		-0.06	A	0	10984				
34	SA2	11463	10298	54.89		-0.09	A	0	21761				
35	SA2	5627	5150	7.76		-0.03	A	0	10777				
36	SA1	5627	5150	10.78	-0.36	-0.05	A	0	10777				
37	SA1	5836	5148	2.21	-0.16	-0.03	A	0	10984				
38	SA1	5627	5150	0.00	0.00	0.00	A	0	10777				
39	SA3	5627	5150	73.85		-0.11	A	0	10777				
40	SA3	5836	5148	36.20		-0.07	A	0	10984				
41	SA2	5627	5150	3.77		0.03	A	0	10777				
42	SA2	5836	5148	14.90		-0.03	A	0	10984				
43	SA3	11463	10298	99.33		-0.09	A	0	21761				
44	SA2	5836	5148	81.77		-0.14	A	0	10984				
45	SA2	5627	5150	59.78		-0.17	B<	0	10777				
46	SA2	5836	5148	18.07		-0.05	A	0	10984				
47	SA1	5836	5148	0.53	-0.08	-0.03	A	0	10984				
48	SA2	5627	5150	20.09		-0.01	A	0	10777				

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.33: 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
49	MC	2446	2704	7.50	-0.39	-0.07	A	4631	519	1.98	0.35	0.05	A	232	4918	0.20	0.15	0.03	A	406	4744	0.99	-0.25	-0.05	A
50	MC	2431	2715	1.24	0.15	0.03	A	4668	480	0.06	0.06	0.00	A	207	4941	0.08	0.10	0.02	A	403	4745	5.16	-0.58	-0.11	A
51	MC	2431	2715	2.35	0.24	0.04	A	4668	480	2.95	0.45	0.07	A	207	4941	0.26	0.19	0.03	A	403	4745	1.28	-0.32	-0.06	A
52	MC	2431	2715	7.65	0.44	0.07	A	4668	480	0.17	-0.11	-0.02	A	207	4941	0.07	0.10	0.02	A	403	4745	0.66	-0.23	-0.04	A
53	MC	2431	2715	0.00	-0.01	0.00	A	4668	480	0.42	-0.15	-0.03	A	207	4941	0.13	0.12	0.03	A	403	4745	1.20	0.27	0.06	A
54	MC	2431	2715	0.14	-0.06	-0.01	A	4668	480	4.70	-0.59	-0.10	A	207	4941	0.51	-0.27	-0.05	A	403	4745	0.79	0.24	0.05	A
55	MC	2431	2715	1.78	-0.21	-0.04	A	4668	480	3.62	-0.54	-0.09	A	207	4941	0.39	0.24	0.04	A	403	4745	0.43	0.19	0.04	A
56	MC	4877	5419	17.09	0.40	0.08	A	9299	999	6.49	0.42	0.08	A	439	9859	1.08	-0.25	-0.05	A	809	9489	18.13	-0.77	-0.15	A
57	MC	2446	2704	0.26	-0.07	-0.01	A	4631	519	1.39	-0.28	-0.05	A	232	4918	0.69	-0.28	-0.05	A	406	4744	0.36	0.15	0.03	A
58	MC	2446	2704	0.12	-0.05	0.00	A	4631	519	1.83	0.31	0.06	A	232	4918	0.85	0.30	0.06	A	406	4744	0.08	0.07	0.02	A
59	MC	2446	2704	1.03	0.16	0.03	A	4631	519	1.65	0.32	0.04	A	232	4918	1.38	-0.42	-0.08	A	406	4744	0.85	0.26	0.05	A
60	MC	2431	2715	0.07	-0.04	-0.01	A	4668	480	0.89	-0.23	-0.05	A	207	4941	2.43	0.56	0.11	A	403	4745	0.00	0.00	0.00	A
61	MC	4877	5419	3.15	-0.18	-0.03	A	9299	999	0.03	-0.03	-0.01	A	439	9859	0.22	0.11	0.02	A	809	9489	2.40	0.28	0.05	A
62	MC	2431	2715	0.00	0.00	0.00	A	4668	480	0.09	0.08	0.01	A	207	4941	0.17	-0.16	-0.03	A	403	4745	7.87	0.88	0.15	A
63	MC	2446	2704	0.35	-0.09	-0.01	A	4631	519	0.66	0.20	0.03	A	232	4918	0.55	-0.27	-0.05	A	406	4744	0.32	-0.15	-0.03	A
64	MC	2446	2704	5.67	0.36	0.06	A	4631	519	5.30	0.57	0.09	A	232	4918	0.22	-0.16	-0.03	A	406	4744	3.85	-0.51	-0.10	A
65	MC	2431	2715	7.93	0.43	0.07	A	4668	480	10.79	0.83	0.14	A	207	4941	2.13	-0.54	-0.09	A	403	4745	11.22	-0.91	-0.16	A
66	MC	2446	2704	2.96	-0.27	-0.04	A	4631	519	0.03	-0.04	-0.01	A	232	4918	1.69	-0.48	-0.08	A	406	4744	0.96	0.27	0.05	A
67	MC	2446	2704	13.48	0.54	0.10	A	4631	519	1.61	0.31	0.05	A	232	4918	0.38	0.21	0.04	A	406	4744	0.01	0.03	0.01	A
68	MC	2446	2704	6.38	0.41	0.06	A	4631	519	3.03	0.45	0.07	A	232	4918	0.00	0.01	0.00	A	406	4744	1.16	0.31	0.06	A
69	MC	4877	5419	19.75	0.42	0.09	A	9299	999	0.10	0.05	0.01	A	439	9859	6.79	-0.61	-0.12	A	809	9489	5.11	0.39	0.08	A
70	MC	2431	2715	0.03	-0.03	0.00	A	4668	480	0.65	0.20	0.04	A	207	4941	6.44	-0.91	-0.18	A	403	4745	2.41	-0.42	-0.08	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.34: 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
49	MC	3689	1461	0.13	-0.06	-0.02	A	3689	444	1.36	-0.31	-0.07	A	1017	444	1.53	-0.38	-0.07	A	22	444	0.66	-1.22	-0.16	A
50	MC	3731	1417	0.94	-0.15	-0.03	A	3731	379	2.44	-0.42	-0.08	A	1038	379	1.23	-0.34	-0.06	A	18	379	0.57	0.89	0.17	A
51	MC	3731	1417	0.40	0.11	0.01	A	3731	379	0.16	-0.12	-0.03	A	1038	379	0.77	-0.29	-0.07	A	18	379	0.42	0.98	0.14	A
52	MC	3731	1417	4.87	-0.39	-0.07	A	3731	379	3.60	-0.59	-0.09	A	1038	379	0.61	-0.27	-0.05	A	18	379	0.82	1.66	0.20	A
53	MC	3731	1417	2.37	-0.23	-0.05	A	3731	379	0.01	-0.03	-0.01	A	1038	379	0.94	0.28	0.07	A	18	379	1.95	-1.70	-0.33	A
54	MC	3731	1417	0.35	-0.10	-0.02	A	3731	379	0.50	-0.21	-0.04	A	1038	379	0.26	-0.17	-0.03	A	18	379	1.67	-1.56	-0.30	A
55	MC	3731	1417	4.97	-0.40	-0.07	A	3731	379	1.16	-0.33	-0.05	A	1038	379	0.10	0.11	0.00	A	18	379	0.15	-0.53	-0.09	A
56	MC	7420	2878	2.18	0.16	0.03	A	7420	823	0.04	0.03	0.01	A	2055	823	0.71	-0.17	-0.04	A	40	823	0.02	-0.10	-0.02	A
57	MC	3689	1461	0.09	-0.05	-0.02	A	3689	444	2.55	0.40	0.05	A	1017	444	4.90	0.63	0.12	A	22	444	0.68	0.93	0.17	A
58	MC	3689	1461	0.82	0.14	0.02	A	3689	444	0.26	0.13	0.01	A	1017	444	0.00	-0.02	-0.01	A	22	444	0.82	-0.97	-0.18	A
59	MC	3689	1461	3.65	0.33	0.05	A	3689	444	1.19	0.30	0.05	A	1017	444	0.01	-0.03	0.00	A	22	444	0.02	-0.15	-0.03	A
60	MC	3731	1417	6.80	-0.41	-0.08	A	3731	379	2.58	-0.45	-0.08	A	1038	379	0.01	-0.04	0.00	A	18	379	0.42	0.84	0.14	A
61	MC	7420	2878	0.78	-0.10	-0.02	A	7420	823	0.96	-0.18	-0.04	A	2055	823	0.36	-0.13	-0.02	A	40	823	0.19	0.35	0.06	A
62	MC	3731	1417	0.47	0.12	0.01	A	3731	379	0.43	-0.21	-0.04	A	1038	379	1.25	-0.40	-0.07	A	18	379	0.89	1.52	0.22	A
63	MC	3689	1461	0.00	0.00	0.00	A	3689	444	0.01	-0.03	-0.01	A	1017	444	0.01	-0.03	0.00	A	22	444	1.61	-1.51	-0.24	A
64	MC	3689	1461	6.50	0.42	0.07	A	3689	444	2.69	0.44	0.07	A	1017	444	0.02	0.04	0.00	A	22	444	0.09	0.36	0.06	A
65	MC	3731	1417	0.32	-0.10	-0.01	A	3731	379	1.13	-0.29	-0.05	A	1038	379	0.87	-0.29	-0.06	A	18	379	1.78	-1.88	-0.30	A
66	MC	3689	1461	3.53	0.32	0.05	A	3689	444	6.87	0.71	0.14	A	1017	444	3.21	0.56	0.10	A	22	444	0.00	-0.07	-0.01	A
67	MC	3689	1461	0.16	0.06	0.01	A	3689	444	1.47	-0.32	-0.06	A	1017	444	3.47	-0.56	-0.10	A	22	444	0.21	0.50	0.09	A
68	MC	3689	1461	3.75	0.34	0.05	A	3689	444	3.10	0.49	0.08	A	1017	444	0.51	0.23	0.04	A	22	444	2.09	2.29	0.29	A
69	MC	7420	2878	1.28	0.12	0.02	A	7420	823	1.07	0.18	0.03	A	2055	823	0.36	0.12	0.03	A	40	823	3.53	-1.55	-0.30	A
70	MC	3731	1417	0.31	-0.09	-0.02	A	3731	379	0.00	0.02	0.00	A	1038	379	0.30	0.18	0.02	A	18	379	1.97	-1.60	-0.33	A
71	MC	3689	1461	1.85	-0.22	-0.04	A	3689	444	0.91	-0.25	-0.04	A	1017	444	0.03	-0.05	-0.01	A	22	444	0.04	0.25	0.04	A
72	MC	7420	2878	0.61	0.09	0.02	A	7420	823	0.48	0.14	0.03	A	2055	823	0.08	0.07	0.01	A	40	823	2.39	1.43	0.23	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.35: 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
49	MC	5627	5150	52.75	0.85	0.12	A	0	10777				
50	MC	5836	5148	37.16	0.68	0.12	A	0	10984				
51	MC	5836	5148	5.86	0.31	0.01	A	0	10984				
52	MC	5836	5148	103.63	1.45	0.13	B>	0	10984				
53	MC	5836	5148	32.16	0.60	0.15	A	0	10984				
54	MC	5836	5148	0.43	0.08	0.02	A	0	10984				
55	MC	5836	5148	11.33	0.45	0.03	A	0	10984				
56	MC	11463	10298	0.84	-0.07	-0.02	A	0	21761				
57	MC	5627	5150	31.56	0.63	0.11	A	0	10777				
58	MC	5627	5150	12.54	0.39	0.05	A	0	10777				
59	MC	5627	5150	1.03	-0.13	-0.03	A	0	10777				
60	MC	5836	5148	16.23	0.45	0.11	A	0	10984				
61	MC	11463	10298	161.73	1.01	0.16	B>	0	21761				
62	MC	5836	5148	0.34	0.08	0.02	A	0	10984				
63	MC	5627	5150	147.49	1.54	0.18	C>	0	10777				
64	MC	5627	5150	7.36	0.34	0.03	A	0	10777				
65	MC	5836	5148	62.87	0.98	0.11	A	0	10984				
66	MC	5627	5150	1.78	-0.17	-0.01	A	0	10777				
67	MC	5627	5150	53.35	0.90	0.11	A	0	10777				
68	MC	5627	5150	5.33	0.31	0.04	A	0	10777				
69	MC	11463	10298	34.72	-0.43	-0.09	A	0	21761				
70	MC	5836	5148	12.52	0.44	0.04	A	0	10984				
71	MC	5627	5150	57.59	0.84	0.14	A	0	10777				
72	MC	11463	10298	0.04	-0.02	-0.01	A	0	21761				

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.36: 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
73	SA2	4877	5419	6.29		0.00	A	9299	999	5.50		0.08	A	439	9859	3.16		0.07	A	809	9489	2.14		-0.05	A
74	SA2	2431	2715	4.61		-0.02	A	4668	480	4.01		-0.08	A	207	4941	5.68		0.16	A	403	4745	4.62		0.05	A
75	SA2	2431	2715	0.58		0.00	A	4668	480	20.38		0.18	B>	207	4941	3.05		0.11	A	403	4745	2.40		0.00	A
76	SA1	2431	2715	1.95	0.31	0.03	A	4668	480	7.15	0.89	0.12	A	207	4941	8.27	1.98	0.21	C>	403	4745	4.10	-0.71	-0.12	A
77	SA2	2446	2704	6.49		-0.03	A	4631	519	2.07		0.07	A	232	4918	7.33		0.07	A	406	4744	21.41		-0.09	A
78	SA1	2446	2704	3.88	-0.43	-0.06	A	4631	519	1.88	-0.46	-0.06	A	232	4918	4.79	1.00	0.14	A	406	4744	0.00	0.02	0.00	A
79	SA1	2446	2704	10.51	-0.72	-0.08	A	4631	519	4.74	0.73	0.10	A	232	4918	0.57	-0.38	-0.05	A	406	4744	2.24	-0.52	-0.09	A
80	SA1	2446	2704	22.20	-0.66	-0.13	A	4631	519	2.40	-0.37	-0.07	A	232	4918	1.96	0.47	0.09	A	406	4744	0.24	-0.13	-0.03	A
81	SA1	2431	2715	9.55	-0.72	-0.09	A	4668	480	6.65	-0.92	-0.12	A	207	4941	3.26	0.95	0.12	A	403	4745	2.39	0.65	0.07	A
82	SA1	4877	5419	0.29	-0.08	-0.01	A	9299	999	1.34	0.27	0.04	A	439	9859	1.72	0.47	0.06	A	809	9489	9.09	-0.68	-0.12	A
83	SA1	2431	2715	2.50	-0.22	-0.04	A	4668	480	14.68	-0.94	-0.17	A	207	4941	1.40	0.43	0.08	A	403	4745	0.23	-0.13	-0.02	A
84	SA2	2446	2704	9.28		-0.06	A	4631	519	11.86		0.13	A	232	4918	6.26		0.10	A	406	4744	2.38		0.07	A
85	SA4	2431	2715	1.38		-0.01	A	4668	480	12.23		-0.04	A	207	4941	7.85		0.15	A	403	4745	19.17		-0.15	A
86	SA4	2446	2704	8.08		0.00	A	4631	519	11.30		0.04	A	232	4918	1.45		0.03	A	406	4744	22.94		-0.15	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.

Table 10.37: 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
73	SA2	7420	2878	1.10		0.02	A	7420	823	2.39		0.03	A	2055	823	3.13		0.01	A	40	823	2.35		0.08	A
74	SA2	3731	1417	2.42		-0.04	A	3731	379	2.16		-0.07	A	1038	379	0.44		-0.04	A	18	379	1.01		-0.14	A
75	SA2	3731	1417	1.68		0.04	A	3731	379	0.52		0.01	A	1038	379	1.25		-0.04	A	18	379	1.06		0.24	A
76	SA1	3731	1417	0.23	0.11	0.01	A	3731	379	1.32	-0.53	-0.06	A	1038	379	2.33	-0.76	-0.09	A	18	379	0.36	1.35	0.14	A
77	SA2	3689	1461	0.05		0.01	A	3689	444	1.52		0.00	A	1017	444	2.71		-0.01	A	22	444	4.56		0.41	A
78	SA1	3689	1461	4.28	-0.49	-0.06	A	3689	444	3.57	-0.69	-0.09	A	1017	444	0.47	-0.28	-0.04	A	22	444	0.01	0.17	0.03	A
79	SA1	3689	1461	4.69	0.50	0.06	A	3689	444	2.73	0.61	0.08	A	1017	444	0.12	0.14	0.02	A	22	444	0.33	0.92	0.12	A
80	SA1	3689	1461	0.71	-0.13	-0.03	A	3689	444	0.07	0.07	0.01	A	1017	444	0.96	0.28	0.05	A	22	444	0.00	-0.03	0.00	A
81	SA1	3731	1417	14.42	-0.93	-0.11	A	3731	379	5.90	-0.97	-0.12	A	1038	379	0.03	-0.08	-0.02	A	18	379	2.38		-0.36	
82	SA1	7420	2878	0.16	0.06	0.00	A	7420	823	0.16	-0.10	-0.02	A	2055	823	0.58	-0.22	-0.03	A	40	823	0.05	-0.24	-0.03	A
83	SA1	3731	1417	2.58	-0.26	-0.05	A	3731	379	0.01	-0.03	-0.01	A	1038	379	1.14	0.33	0.06	A	18	379	0.30	-0.71	-0.11	A
84	SA2	3689	1461	3.62		0.05	A	3689	444	0.16		-0.01	A	1017	444	2.20		-0.06	A	22	444	0.42		0.10	A
85	SA4	3731	1417	18.66		-0.03	A	3731	379	3.99		-0.01	A	1038	379	4.25		0.01	A	18	379	4.62		0.28	A
86	SA4	3689	1461	10.13		-0.01	A	3689	444	1.88		0.04	A	1017	444	5.02		0.07	A	22	444	6.40		0.20	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 10.38: 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
73	SA2	11463	10298	142.26		0.12	A	0	21761				
74	SA2	5836	5148	96.67		0.15	A	0	10984				
75	SA2	5836	5148	23.90		0.06	A	0	10984				
76	SA1	5836	5148	6.95	0.52	0.04	A	0	10984				
77	SA2	5627	5150	60.34		0.09	A	0	10777				
78	SA1	5627	5150	23.98	0.73	0.15	A	0	10777				
79	SA1	5627	5150	27.25	1.16	0.08	B>	0	10777				
80	SA1	5627	5150	2.07	0.16	0.00	A	0	10777				
81	SA1	5836	5148	63.81	1.19	0.22	B>	0	10984				
82	SA1	11463	10298	53.14	1.00	0.06	A	0	21761				
83	SA1	5836	5148	9.31	0.33	0.06	A	0	10984				
84	SA2	5627	5150	74.86		0.10	A	0	10777				
85	SA4	5836	5148	576.07		0.34	C>	0	10984				
86	SA4	5627	5150	557.79		0.30	C>	0	10777				

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 10.39: 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
1	MC	6819	7633	4.09	-0.16	-0.03	A	12481	1975	0.00	0.01	0.00	A	950	13506	5.39	-0.38	-0.08	A	1259	13197	3.98	0.28	0.06	A
2	MC	6819	7633	6.53	-0.21	-0.04	A	12481	1975	0.33	0.07	0.01	A	950	13506	4.38	-0.35	-0.07	A	1259	13197	0.04	0.03	0.01	A
3	MC	6819	7633	2.77	-0.15	-0.02	A	12481	1975	2.11	0.19	0.03	A	950	13506	0.01	0.02	0.00	A	1259	13197	0.37	0.09	0.02	A
4	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
5	MC	6819	7633	2.90	0.14	0.03	A	12481	1975	1.61	0.16	0.03	A	950	13506	1.10	0.17	0.03	A	1259	13197	2.01	0.21	0.04	A
6	MC	6819	7633	0.03	0.02	0.00	A	12481	1975	13.11	-0.53	-0.08	A	950	13506	1.81	0.27	0.04	A	1259	13197	0.31	-0.09	-0.02	A
7	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
8	MC	6819	7633	2.73	-0.14	-0.03	A	12481	1975	3.60	0.23	0.04	A	950	13506	2.96	-0.30	-0.05	A	1259	13197	0.01	0.01	0.00	A
9	MC	6819	7633	24.38	0.43	0.08	A	12481	1975	1.85	0.17	0.03	A	950	13506	0.01	-0.02	0.00	A	1259	13197	2.42	-0.24	-0.04	A
10	MC	6819	7633	1.02	0.08	0.02	A	12481	1975	1.79	0.16	0.03	A	950	13506	0.48	-0.12	-0.02	A	1259	13197	0.01	0.01	0.00	A
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	MC	6819	7633	0.15	-0.04	-0.01	A	12481	1975	18.67	-0.68	-0.10	A	950	13506	0.93	0.20	0.03	A	1259	13197	0.11	-0.05	-0.01	A
22	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
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	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
25	MC	6819	7633	3.83	-0.17	-0.03	A	12481	1975	5.99	-0.32	-0.06	A	950	13506	0.65	0.14	0.03	A	1259	13197	0.10	0.05	0.01	A
26	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
27	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
28	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
29	MC	6819	7633	0.03	-0.02	0.00	A	12481	1975	1.64	0.16	0.03	A	950	13506	3.03	0.29	0.05	A	1259	13197	0.46	0.10	0.02	A
30	MC	6819	7633	4.15	0.18	0.03	A	12481	1975	0.91	-0.12	-0.02	A	950	13506	4.51	0.37	0.07	A	1259	13197	6.37	-0.38	-0.08	A
31	MC	6819	7633	0.58	0.06	0.01	A	12481	1975	0.00	-0.01	0.00	A	950	13506	5.04	0.38	0.07	A	1259	13197	1.20	0.16	0.03	A
32	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
33	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
34	MC	6819	7633	11.21	0.30	0.05	A	12481	1975	1.60	-0.17	-0.03	A	950	13506	0.12	0.06	0.01	A	1259	13197	0.11	-0.05	-0.01	A
35	MC	6819	7633	5.65	0.20	0.04	A	12481	1975	0.18	0.05	0.01	A	950	13506	0.55	-0.13	-0.02	A	1259	13197	1.29	0.17	0.03	A
91	SA3	6819	7633	84.05		-0.12	A	12481	1975	6.67		0.01	A	950	13506	14.66		-0.10	A	1259	13197	2.53		-0.02	A
92	SA1	6819	7633	3.20	-0.17	-0.03	A	12481	1975	1.06	0.14	0.02	A	950	13506	11.00	-0.65	-0.11	A	1259	13197	1.63	0.22	0.03	A
93	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
94	SA1	6819	7633	3.55	-0.39	-0.03	A	12481	1975	1.64	-0.37	-0.03	A	950	13506	5.58	-1.21	-0.08	A	1259	13197	1.93	-0.62	-0.04	A
99	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
100	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

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.40: 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
1	MC	10134	4322	0.10	-0.03	-0.01	A	10134	2129	0.93	-0.11	-0.02	A	2193	2129	1.38	-0.17	-0.03	A	169	2129	1.54	-0.48	-0.10	A
2	MC	10134	4322	0.20	0.04	0.01	A	10134	2129	0.78	0.11	0.02	A	2193	2129	0.62	0.12	0.03	A	169	2129	0.46	0.27	0.05	A
3	MC	10134	4322	5.99	0.24	0.04	A	10134	2129	9.56	0.40	0.07	A	2193	2129	3.65	0.32	0.05	A	169	2129	0.09	-0.12	-0.02	A
4	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<
5	MC	10134	4322	1.23	0.10	0.02	A	10134	2129	0.06	-0.03	-0.01	A	2193	2129	3.11	-0.27	-0.05	A	169	2129	0.71	-0.34	-0.06	A
6	MC	10134	4322	6.48	-0.28	-0.04	A	10134	2129	2.58	-0.23	-0.03	A	2193	2129	0.25	0.09	0.01	A	169	2129	3.85	0.93	0.15	A
7	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
8	MC	10134	4322	0.10	-0.03	0.00	A	10134	2129	0.04	-0.02	0.00	A	2193	2129	0.01	0.02	0.00	A	169	2129	0.03	-0.07	-0.01	A
9	MC	10134	4322	5.45	0.22	0.04	A	10134	2129	6.56	0.33	0.06	A	2193	2129	1.27	0.18	0.03	A	169	2129	0.02	0.06	0.01	A
10	MC	10134	4322	5.82	0.22	0.04	A	10134	2129	6.00	0.29	0.06	A	2193	2129	1.42	0.18	0.03	A	169	2129	6.44	1.02	0.20	A
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	MC	10134	4322	18.05	-0.48	-0.07	A	10134	2129	18.50	-0.67	-0.10	A	2193	2129	2.26	-0.29	-0.04	A	169	2129	0.96	0.54	0.08	A
22	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
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	0.52	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
25	MC	10134	4322	10.98	-0.32	-0.06	A	10134	2129	6.28	-0.32	-0.06	A	2193	2129	0.00	0.01	0.00	A	169	2129	4.31	0.90	0.16	A
26	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
27	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
28	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
29	MC	10134	4322	0.04	-0.02	0.00	A	10134	2129	3.55	-0.23	-0.04	A	2193	2129	7.23	-0.42	-0.08	A	169	2129	0.38	0.25	0.05	A
30	MC	10134	4322	3.57	-0.18	-0.03	A	10134	2129	1.68	-0.16	-0.03	A	2193	2129	0.05	0.04	0.00	A	169	2129	2.28	0.66	0.12	A
31	MC	10134	4322	3.98	0.18	0.03	A	10134	2129	13.57	0.43	0.09	A	2193	2129	11.29	0.51	0.10	A	169	2129	5.26	0.92	0.18	A
32	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
33	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
34	MC	10134	4322	0.18	-0.04	-0.01	A	10134	2129	0.05	-0.03	0.00	A	2193	2129	0.06	0.04	0.01	A	169	2129	0.01	-0.04	-0.01	A
35	MC	10134	4322	1.96	0.13	0.02	A	10134	2129	1.98	0.17	0.03	A	2193	2129	0.24	0.08	0.01	A	169	2129	0.02	0.05	0.01	A
91	SA3	10134	4322	10.67		0.03	A	10134	2129	13.85		0.07	A	2193	2129	8.84		0.08	A	169	2129	4.85		-0.10	A
92	SA1	10134	4322	3.28	0.18	0.03	A	10134	2129	2.02	0.19	0.04	A	2193	2129	0.07	0.04	0.01	A	169	2129	0.02	0.06	0.01	A
93	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
94	SA1	10134	4322	0.16	-0.09	-0.01	A	10134	2129	0.01	0.03	0.00	A	2193	2129	0.54	0.28	0.02	A	169	2129	0.04	-0.22	-0.02	A
99	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
100	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

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.41: 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
1	MC	5918	14456	20.18	0.39	0.11	A	3	20371	0.79	2.39	0.51	A
2	MC	5918	14456	4.20	0.18	0.05	A	3	20371	0.01	0.36	0.06	A
3	MC	5918	14456	1.54	0.13	0.02	A	3	20371	0.04	-0.71	-0.11	A
4	MC	12407	28939	45.27	0.55	0.06	A	4	41342	0.27	1.46	0.30	A
5	MC	5918	14456	0.76	0.08	0.01	A	3	20371	0.02	0.48	0.07	A
6	MC	5918	14456	3.57	0.26	0.02	A	3	20371	0.51	-2.88	-0.46	A
7	MC	6489	14483	4.50	0.23	0.03	A	1	20971	0.54		-0.76	
8	MC	5918	14456	0.04	0.02	0.00	A	3	20371	1.86		-0.76	
9	MC	5918	14456	0.08	-0.03	0.01	A	3	20371	1.51		-0.65	
10	MC	5918	14456	1.27	0.11	0.04	A	3	20371	0.68	2.45	0.48	A
11	MC	6489	14483	4.32	0.22	0.02	A	1	20971	1.87		1.40	
12	MC	6489	14483	1.27	0.13	0.01	A	1	20971	0.60		-0.85	
13	MC	6489	14483	14.00	0.45	0.04	A	1	20971	0.83		1.13	
14	MC	6489	14483	0.96	0.09	0.03	A	1	20971	0.84		-0.95	
15	MC	6489	14483	2.62	0.20	0.02	A	1	20971	1.53		-1.55	
16	MC	6489	14483	19.90	0.57	0.04	A	1	20971	0.49		-0.74	
17	MC	6489	14483	2.53	0.19	0.02	A	1	20971	0.72		-0.95	
18	MC	12407	28939	39.42	0.38	0.12	A	4	41342	1.14		-0.46	
19	MC	12407	28939	39.09	0.43	0.07	A	4	41342	3.05	4.35	0.83	A
20	MC	12407	28939	34.14	0.38	0.08	A	4	41342	0.08	-0.74	-0.13	A
21	MC	5918	14456	77.49	1.36	0.09	B>	3	20371	0.00	-0.17	-0.04	A
22	MC	12407	28939	98.20	1.02	0.07	B>	4	41342	0.05	-0.60	-0.13	A
23	MC	6489	14483	36.81	0.55	0.09	A	1	20971	2.42		1.43	
24	MC	6489	14483	14.69	0.65	0.03	A	1	20971	0.87		1.30	
25	MC	5918	14456	27.73	0.57	0.08	A	3	20371	0.29	-1.38	-0.33	A
26	MC	6489	14483	4.27	0.31	0.02	A	1	20971	0.49		-0.79	
27	MC	6489	14483	3.78	0.18	0.04	A	1	20971	0.41		-0.58	
28	MC	6489	14483	2.82	0.16	0.04	A	1	20971	0.37		-0.54	
29	MC	5918	14456	0.03	0.02	0.02	A	3	20371	1.46		-0.64	
30	MC	5918	14456	8.85	-0.28	-0.06	A	3	20371	0.04	0.64	0.13	A
31	MC	5918	14456	1.85	-0.12	0.00	A	3	20371	0.66	2.42	0.47	A
32	MC	6489	14483	6.02	0.28	0.03	A	1	20971	0.27		-0.45	
33	MC	6489	14483	31.91	0.53	0.09	A	1	20971	2.38		1.43	
34	MC	5918	14456	2.11	0.15	0.02	A	3	20371	0.00	-0.06	-0.01	A
35	MC	5918	14456	8.90	0.30	0.05	A	3	20371	0.58	2.29	0.45	A
91	SA3	5918	14456	60.64		0.08	A	3	20371	4.57		-0.61	A
92	SA1	5918	14456	0.74	0.08	0.03	A	3	20371	0.69		-0.41	
93	SA1	6489	14483	1.35	-0.10	0.00	A	1	20971	0.20		-0.36	
94	SA1	5918	14456	12.20	0.62	0.11	A	3	20371	0.07		-0.10	
99	SA3	6489	14483	20.79		0.08	A	1	20971	1.03		-0.65	A
100	SA1	6489	14483	0.23	-0.06	-0.01	A	1	20971	0.08		-0.23	

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.42: DIF Statistics based on ELL Students for Items in Writing 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
36	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
37	MC	6819	7633	1.50	-0.10	-0.02	A	12481	1975	0.02	0.02	0.00	A	950	13506	0.30	0.09	0.02	A	1259	13197	1.73	-0.20	-0.04	A
38	MC	6819	7633	0.00	0.00	0.00	A	12481	1975	12.40	0.44	0.08	A	950	13506	1.57	-0.22	-0.04	A	1259	13197	2.42	-0.23	-0.04	A
39	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
40	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
41	MC	6819	7633	22.33	0.39	0.08	A	12481	1975	9.89	-0.38	-0.07	A	950	13506	0.10	0.05	0.01	A	1259	13197	0.67	0.12	0.02	A
42	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
43	MC	6819	7633	0.54	-0.06	-0.01	A	12481	1975	18.60	0.52	0.10	A	950	13506	0.58	0.13	0.02	A	1259	13197	13.00	-0.56	-0.10	A
44	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
45	MC	6819	7633	20.52	0.50	0.06	A	12481	1975	0.15	0.06	0.01	A	950	13506	0.02	0.03	0.00	A	1259	13197	2.64	-0.28	-0.05	A
46	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
47	MC	6819	7633	3.67	0.17	0.03	A	12481	1975	0.38	-0.08	-0.01	A	950	13506	1.56	0.22	0.04	A	1259	13197	0.25	-0.08	-0.01	A
48	MC	6819	7633	1.37	0.10	0.02	A	12481	1975	7.11	-0.32	-0.06	A	950	13506	0.56	-0.12	-0.02	A	1259	13197	1.08	-0.15	-0.03	A
49	MC	6819	7633	2.76	-0.14	-0.03	A	12481	1975	1.71	0.17	0.03	A	950	13506	3.38	-0.33	-0.06	A	1259	13197	0.01	0.01	0.00	A
50	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
51	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
52	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
53	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
54	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
55	MC	6819	7633	5.55	-0.20	-0.04	A	12481	1975	1.42	-0.15	-0.03	A	950	13506	1.94	-0.24	-0.05	A	1259	13197	7.81	-0.40	-0.08	A
56	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
57	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
58	ER	6819	7633	163.01		0.16	A	12481	1975	10.55		0.00	A	950	13506	3.91		0.01	A	1259	13197	70.29		-0.20	B<
59	ER	6819	7633	90.53		0.12	A	12481	1975	0.85		0.00	A	950	13506	1.64		0.00	A	1259	13197	49.79		-0.15	A
60	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<
61	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<

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.43: DIF Statistics based on ELL Students' Home Languages for Items in Writing 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
36	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
37	MC	10134	4322	1.31	-0.10	-0.02	A	10134	2129	0.59	-0.09	-0.02	A	2193	2129	0.01	0.01	0.00	A	169	2129	1.38	-0.46	-0.09	A
38	MC	10134	4322	1.27	0.10	0.02	A	10134	2129	0.03	0.02	0.00	A	2193	2129	1.27	-0.18	-0.03	A	169	2129	3.84	-0.83	-0.15	A
39	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
40	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
41	MC	10134	4322	4.49	-0.19	-0.04	A	10134	2129	5.74	-0.28	-0.06	A	2193	2129	1.45	-0.18	-0.03	A	169	2129	0.10	0.13	0.02	A
42	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
43	MC	10134	4322	17.22	0.38	0.07	A	10134	2129	8.98	0.36	0.07	A	2193	2129	0.44	-0.10	-0.02	A	169	2129	9.62	-1.32	-0.24	B<
44	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
45	MC	10134	4322	0.96	0.12	0.01	A	10134	2129	0.06	0.04	0.01	A	2193	2129	0.34	-0.12	-0.02	A	169	2129	0.07	-0.13	-0.02	A
46	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
47	MC	10134	4322	0.68	-0.08	-0.01	A	10134	2129	0.72	0.11	0.02	A	2193	2129	5.89	0.41	0.06	A	169	2129	6.05	0.97	0.18	A
48	MC	10134	4322	3.66	-0.17	-0.03	A	10134	2129	1.55	-0.15	-0.03	A	2193	2129	0.14	0.06	0.01	A	169	2129	11.09	-1.32	-0.26	B<
49	MC	10134	4322	2.36	0.15	0.03	A	10134	2129	6.35	0.31	0.05	A	2193	2129	4.45	0.34	0.06	A	169	2129	0.41	-0.26	-0.05	A
50	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
51	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
52	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
53	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
54	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
55	MC	10134	4322	1.47	-0.11	-0.02	A	10134	2129	3.69	-0.24	-0.05	A	2193	2129	2.50	-0.25	-0.05	A	169	2129	0.61	-0.32	-0.06	A
56	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
57	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
58	ER	10134	4322	29.79		0.04	A	10134	2129	7.74		0.02	A	2193	2129	8.51		-0.05	A	169	2129	6.58		0.00	A
59	ER	10134	4322	19.55		0.05	A	10134	2129	0.87		0.02	A	2193	2129	14.32		-0.07	A	169	2129	8.75		0.18	A
60	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
61	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

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.44: 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
36	MC	12407	28939	56.83	0.47	0.10	A	4	41342	0.08	-0.71	-0.13	A
37	MC	5918	14456	28.07	0.47	0.11	A	3	20371	1.78	3.69	0.71	A
38	MC	5918	14456	61.48	0.79	0.11	A	3	20371	1.02	2.37	0.58	A
39	MC	12407	28939	1.11	0.08	0.02	A	4	41342	6.18		1.27	
40	MC	6489	14483	1.53	0.10	0.04	A	1	20971	0.38		-0.55	
41	MC	5918	14456	5.46	0.20	0.02	A	3	20371	1.51		-0.66	
42	MC	12407	28939	0.62	0.05	0.03	A	4	41342	0.05	-0.58	-0.10	A
43	MC	5918	14456	0.78	-0.08	0.00	A	3	20371	2.01	3.93	0.75	A
44	MC	6489	14483	3.38	0.16	0.03	A	1	20971	0.42		-0.59	
45	MC	5918	14456	15.77	0.71	0.03	A	3	20371	6.13		-1.76	
46	MC	6489	14483	0.05	0.02	0.01	A	1	20971	1.53		1.31	
47	MC	5918	14456	22.30	0.49	0.07	A	3	20371	1.28		-0.59	
48	MC	5918	14456	21.19	0.44	0.08	A	3	20371	0.11	-0.90	-0.20	A
49	MC	5918	14456	5.97	0.25	0.05	A	3	20371	0.08	-0.99	-0.17	A
50	MC	6489	14483	4.64	0.19	0.05	A	1	20971	0.36		-0.53	
51	MC	6489	14483	3.36	0.19	0.03	A	1	20971	0.36		-0.55	
52	MC	6489	14483	1.67	0.12	0.02	A	1	20971	0.63		-0.79	
53	MC	12407	28939	34.14	0.66	0.04	A	4	41342	2.25	-3.22	-0.94	A
54	MC	6489	14483	3.74	0.17	0.04	A	1	20971	0.60		-0.77	
55	MC	5918	14456	35.10	0.62	0.09	A	3	20371	0.74	-2.23	-0.54	A
56	MC	6489	14483	12.78	0.45	0.03	A	1	20971	0.80		-1.07	
57	MC	6489	14483	10.87	0.39	0.03	A	1	20971	1.44		1.33	
58	ER	5918	14456	111.84		0.10	A	3	20371	3.38		0.39	A
59	ER	5918	14456	103.16		0.08	A	3	20371	1.70		-0.69	A
60	ER	6489	14483	74.19		0.09	A	1	20971	1.68		-0.28	A
61	ER	6489	14483	130.20		0.10	A	1	20971	1.23		0.67	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.45: 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
62	MC	6819	7633	0.49	0.06	0.01	A	12481	1975	3.05	-0.22	-0.04	A	950	13506	1.13	0.18	0.03	A	1259	13197	1.77	-0.21	-0.04	A
63	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
64	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
65	MC	6819	7633	0.10	0.03	0.00	A	12481	1975	11.30	0.41	0.08	A	950	13506	5.00	-0.38	-0.07	A	1259	13197	0.11	-0.05	-0.01	A
66	MC	6819	7633	12.76	-0.30	-0.06	A	12481	1975	0.02	-0.02	0.00	A	950	13506	1.06	-0.18	-0.03	A	1259	13197	1.82	0.21	0.04	A
67	MC	6819	7633	5.35	-0.19	-0.04	A	12481	1975	5.32	-0.27	-0.05	A	950	13506	0.00	0.01	0.00	A	1259	13197	2.91	0.24	0.05	A
68	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
69	MC	6819	7633	0.76	-0.07	-0.01	A	12481	1975	0.96	-0.12	-0.02	A	950	13506	0.00	0.00	0.00	A	1259	13197	0.16	0.06	0.01	A
70	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
71	MC	6819	7633	0.32	-0.08	-0.01	A	12481	1975	1.08	0.21	0.02	A	950	13506	5.20	0.73	0.07	A	1259	13197	0.09	-0.06	-0.01	A
72	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
73	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
74	MC	6819	7633	1.29	0.10	0.02	A	12481	1975	3.57	0.24	0.04	A	950	13506	0.28	0.09	0.02	A	1259	13197	4.87	-0.33	-0.07	A
75	MC	6819	7633	11.90	0.36	0.05	A	12481	1975	3.06	0.26	0.04	A	950	13506	3.26	-0.36	-0.06	A	1259	13197	45.99	-1.07	-0.21	B<
76	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
77	MC	6819	7633	0.13	-0.04	0.00	A	12481	1975	1.34	0.17	0.03	A	950	13506	0.81	0.18	0.03	A	1259	13197	6.40	-0.41	-0.08	A
78	MC	6819	7633	7.28	-0.23	-0.04	A	12481	1975	2.71	-0.21	-0.04	A	950	13506	7.30	0.48	0.09	A	1259	13197	1.88	0.21	0.04	A
79	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
80	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
81	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
82	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
83	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
84	MC	6819	7633	0.01	0.01	0.00	A	12481	1975	7.01	0.43	0.06	A	950	13506	2.21	0.36	0.05	A	1259	13197	10.29	-0.59	-0.10	A
85	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
86	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, 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 10.46: 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
62	MC	10134	4322	3.92	-0.18	-0.03	A	10134	2129	2.69	-0.20	-0.04	A	2193	2129	0.08	-0.04	-0.01	A	169	2129	2.13	-0.61	-0.11	A
63	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
64	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
65	MC	10134	4322	0.00	0.00	0.00	A	10134	2129	0.66	-0.10	-0.02	A	2193	2129	1.51	-0.19	-0.03	A	169	2129	2.42	-0.60	-0.12	A
66	MC	10134	4322	0.80	0.08	0.02	A	10134	2129	0.13	0.04	0.01	A	2193	2129	0.10	-0.05	-0.01	A	169	2129	0.18	-0.18	-0.03	A
67	MC	10134	4322	6.71	-0.23	-0.04	A	10134	2129	7.91	-0.33	-0.07	A	2193	2129	2.07	-0.21	-0.04	A	169	2129	2.33	-0.60	-0.12	A
68	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
69	MC	10134	4322	1.18	-0.10	-0.02	A	10134	2129	1.08	-0.12	-0.02	A	2193	2129	0.10	-0.05	-0.01	A	169	2129	0.69	-0.33	-0.07	A
70	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
71	MC	10134	4322	0.19	-0.07	-0.01	A	10134	2129	12.55	-0.82	-0.08	A	2193	2129	21.43	-1.26	-0.15	B<	169	2129	0.15	0.31	0.03	A
72	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
73	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
74	MC	10134	4322	4.09	0.19	0.04	A	10134	2129	0.80	0.11	0.02	A	2193	2129	0.86	-0.15	-0.03	A	169	2129	4.72	0.96	0.17	A
75	MC	10134	4322	0.89	-0.11	-0.02	A	10134	2129	1.46	-0.18	-0.03	A	2193	2129	0.47	-0.13	-0.03	A	169	2129	4.32	-0.92	-0.17	A
76	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
77	MC	10134	4322	0.20	0.05	0.01	A	10134	2129	0.07	-0.04	-0.01	A	2193	2129	0.62	-0.14	-0.03	A	169	2129	0.01	-0.05	-0.01	A
78	MC	10134	4322	14.53	-0.36	-0.07	A	10134	2129	13.16	-0.46	-0.08	A	2193	2129	1.21	-0.18	-0.03	A	169	2129	0.10	0.14	0.02	A
79	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
80	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
81	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
82	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>
83	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
84	MC	10134	4322	3.27	0.23	0.03	A	10134	2129	0.21	-0.08	-0.01	A	2193	2129	6.87	-0.55	-0.08	A	169	2129	0.04	0.12	0.01	A
85	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
86	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
62	MC	10134	4322	3.92	-0.18	-0.03	A	10134	2129	2.69	-0.20	-0.04	A	2193	2129	0.08	-0.04	-0.01	A	169	2129	2.13	-0.61	-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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.47: DIF Statistics based on ELL and FEP Students for Items in Listening 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
62	MC	5918	14456	2.23	0.13	0.03	A	3	20371	0.07	0.71	0.13	A
63	MC	6489	14483	9.26	0.30	0.03	A	1	20971	1.05		-1.13	
64	MC	6489	14483	33.36	0.59	0.07	A	1	20971	1.15		-1.20	
65	MC	5918	14456	0.23	0.05	0.01	A	3	20371	2.05		0.88	
66	MC	5918	14456	1.91	0.12	0.03	A	3	20371	1.22		-0.57	
67	MC	5918	14456	0.01	0.01	0.01	A	3	20371	3.79		1.13	
68	MC	6489	14483	6.61	0.22	0.04	A	1	20971	3.41		1.55	
69	MC	5918	14456	0.02	0.01	0.01	A	3	20371	0.76	2.55	0.50	A
70	MC	12407	28939	34.63	1.05	0.03	B>	4	41342	0.80		0.64	
71	MC	5918	14456	27.64	1.47	0.04	B>	3	20371	0.57		0.60	
72	MC	12407	28939	10.23	0.19	0.04	A	4	41342	1.93		-0.64	
73	MC	6489	14483	13.08	0.31	0.06	A	1	20971	0.32		-0.48	
74	MC	5918	14456	0.06	0.03	0.01	A	3	20371	0.85	-2.95	-0.59	A
75	MC	5918	14456	9.94	0.43	0.03	A	3	20371	1.04		0.70	
76	MC	6489	14483	13.06	0.52	0.04	A	1	20971	0.42		0.88	
77	MC	5918	14456	15.25	0.52	0.04	A	3	20371	1.34	-4.11	-0.78	A
78	MC	5918	14456	28.59	0.55	0.10	A	3	20371	0.04	0.57	0.12	A
79	MC	6489	14483	14.38	0.33	0.07	A	1	20971	0.81		-0.93	
80	MC	6489	14483	29.88	0.75	0.06	A	1	20971	0.62		1.03	
81	MC	6489	14483	29.68	0.89	0.05	A	1	20971	0.45		0.94	
82	MC	6489	14483	1.27	0.10	0.02	A	1	20971	0.58		-0.74	
83	MC	6489	14483	1.28	0.11	0.01	A	1	20971	0.74		-0.89	
84	MC	5918	14456	0.37	0.09	0.00	A	3	20371	0.57	-1.87	-0.50	A
85	MC	6489	14483	28.40	0.84	0.05	A	1	20971	0.41		0.88	
86	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, 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 10.48: 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	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag
87	SA4	6819	7633	24.98		-0.02	A	12481	1975	5.88		0.04	A	950	13506	7.27		-0.04	A	1259	13197	13.83		0.09	A
88	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
89	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
90	SA4	6819	7633	103.70		0.09	A	12481	1975	30.35		0.06	A	950	13506	3.45		-0.02	A	1259	13197	3.45		-0.02	A
95	SA4	6819	7633	21.03		0.05	A	12481	1975	5.24		-0.03	A	950	13506	9.84		-0.07	A	1259	13197	8.13		0.00	A
96	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
97	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
98	SA4	6819	7633	71.37		0.09	A	12481	1975	42.46		0.12	A	950	13506	9.31		-0.01	A	1259	13197	10.56		-0.01	A
101	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
102	SA4	6819	7633	72.12		-0.12	A	12481	1975	8.40		0.03	A	950	13506	3.34		0.03	A	1259	13197	11.08		0.08	A
103	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
104	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
105	SA4	6819	7633	3.23		-0.01	A	12481	1975	18.00		0.09	A	950	13506	12.96		0.10	A	1259	13197	106.13		-0.26	C<
106	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,
MHχ²=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.

Table 10.49: 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	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag
87	SA4	10134	4322	2.94		0.02	A	10134	2129	3.34		0.00	A	2193	2129	3.77		-0.03	A	169	2129	7.47		-0.03	A
88	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
89	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
90	SA4	10134	4322	48.21		0.10	A	10134	2129	27.69		0.10	A	2193	2129	17.95		0.00	A	169	2129	7.91		-0.07	A
95	SA4	10134	4322	9.06		-0.05	A	10134	2129	12.47		-0.07	A	2193	2129	10.24		-0.04	A	169	2129	15.05		-0.19	B<
96	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
97	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
98	SA4	10134	4322	74.37		0.12	A	10134	2129	45.16		0.12	A	2193	2129	15.55		-0.02	A	169	2129	18.46		0.01	A
101	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
102	SA4	10134	4322	20.36		0.02	A	10134	2129	21.59		-0.07	A	2193	2129	31.79		-0.16	A	169	2129	1.44		-0.05	A
103	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
104	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
105	SA4	10134	4322	32.70		0.05	A	10134	2129	16.93		-0.06	A	2193	2129	47.03		-0.20	B<	169	2129	4.89		-0.12	A
106	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,
MHχ²=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 10.50: 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
87	SA4	10134	4322	2.94		0.02	A	10134	2129	3.34		0.00	A
88	SA4	20293	8646	21.03		0.03	A	20293	4344	25.64		-0.07	A
89	SA4	10159	4324	26.33		0.00	A	10159	2215	35.24		-0.10	A
90	SA4	10134	4322	48.21		0.10	A	10134	2129	27.69		0.10	A
95	SA4	10134	4322	9.06		-0.05	A	10134	2129	12.47		-0.07	A
96	SA4	10159	4324	1.05		0.00	A	10159	2215	15.97		-0.08	A
97	SA4	10159	4324	5.93		0.01	A	10159	2215	7.14		-0.05	A
98	SA4	10134	4322	74.37		0.12	A	10134	2129	45.16		0.12	A
101	SA4	10159	4324	25.35		-0.07	A	10159	2215	11.42		-0.05	A
102	SA4	10134	4322	20.36		0.02	A	10134	2129	21.59		-0.07	A
103	SA4	10159	4324	38.86		0.10	A	10159	2215	17.63		0.06	A
104	SA4	20293	8646	31.74		0.01	A	20293	4344	10.54		-0.04	A
105	SA4	10134	4322	32.70		0.05	A	10134	2129	16.93		-0.06	A
106	SA4	10159	4324	42.08		-0.01	A	10159	2215	42.97		-0.11	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.51: 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
1	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
2	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
3	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
4	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
5	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
6	MC	3794	5110	0.16	0.05	0.01	A	7522	1384	9.13	0.55	0.08	A	1009	7897	0.00	0.01	0.00	A	1463	7443	0.92	-0.16	-0.03	A
7	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
8	MC	3794	5110	1.76	0.14	0.03	A	7522	1384	11.00	-0.50	-0.10	A	1009	7897	1.31	0.19	0.04	A	1463	7443	0.49	-0.10	-0.02	A
9	MC	3794	5110	11.66	0.38	0.07	A	7522	1384	7.36	-0.41	-0.08	A	1009	7897	10.00	0.54	0.10	A	1463	7443	1.69	0.20	0.03	A
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	MC	3794	5110	7.85	0.38	0.05	A	7522	1384	0.09	-0.05	-0.01	A	1009	7897	2.49	0.32	0.05	A	1463	7443	29.84	-0.88	-0.16	A
21	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
22	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
23	MC	3794	5110	0.21	0.05	0.01	A	7522	1384	0.63	0.12	0.01	A	1009	7897	0.82	-0.16	-0.03	A	1463	7443	0.70	0.13	0.02	A
24	MC	3794	5110	26.80	0.65	0.09	A	7522	1384	0.15	-0.07	-0.01	A	1009	7897	1.89	0.27	0.04	A	1463	7443	4.39	-0.33	-0.06	A
25	MC	3794	5110	29.35	0.63	0.10	A	7522	1384	3.67	0.30	0.05	A	1009	7897	0.20	0.08	0.01	A	1463	7443	7.49	-0.42	-0.07	A
26	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
27	MC	3794	5110	20.55	-0.51	-0.09	A	7522	1384	9.36	-0.46	-0.08	A	1009	7897	5.23	0.39	0.07	A	1463	7443	0.01	-0.02	0.00	A
28	MC	3794	5110	0.11	0.04	0.01	A	7522	1384	9.28	-0.45	-0.08	A	1009	7897	0.10	0.05	0.01	A	1463	7443	4.28	0.31	0.06	A
29	MC	3794	5110	0.33	-0.06	-0.01	A	7522	1384	7.43	0.43	0.08	A	1009	7897	12.02	-0.62	-0.11	A	1463	7443	0.39	-0.10	-0.02	A
30	MC	3794	5110	0.96	0.11	0.02	A	7522	1384	0.00	0.00	0.00	A	1009	7897	0.04	-0.04	-0.01	A	1463	7443	8.33	-0.44	-0.08	A
31	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
32	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
33	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
34	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
35	MC	3794	5110	0.56	-0.08	-0.02	A	7522	1384	1.92	-0.22	-0.04	A	1009	7897	4.17	0.37	0.06	A	1463	7443	1.41	-0.18	-0.03	A
36	MC	3794	5110	0.23	0.05	0.01	A	7522	1384	0.76	-0.14	-0.03	A	1009	7897	1.69	0.22	0.04	A	1463	7443	2.23	-0.22	-0.05	A
37	MC	3794	5110	0.13	-0.05	-0.01	A	7522	1384	3.08	-0.31	-0.05	A	1009	7897	0.54	0.15	0.02	A	1463	7443	0.59	0.14	0.02	A
38	MC	3794	5110	22.28	0.54	0.10	A	7522	1384	0.74	-0.13	-0.02	A	1009	7897	0.58	0.14	0.02	A	1463	7443	0.77	-0.14	-0.02	A
39	MC	3794	5110	2.62	-0.18	-0.03	A	7522	1384	0.30	-0.08	-0.01	A	1009	7897	0.00	-0.01	0.00	A	1463	7443	0.30	-0.09	-0.02	A
40	MC	3794	5110	5.22	-0.26	-0.05	A	7522	1384	0.12	-0.05	-0.01	A	1009	7897	1.09	0.18	0.04	A	1463	7443	0.04	0.03	0.01	A
41	MC	3794	5110	0.00	0.00	0.00	A	7522	1384	0.00	-0.01	0.00	A	1009	7897	0.00	0.01	0.00	A	1463	7443	0.31	0.08	0.02	A
42	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
43	SA1	3794	5110	2.37	0.17	0.03	A	7522	1384	6.67	0.41	0.08	A	1009	7897	9.08	-0.55	-0.10	A	1463	7443	1.03	0.16	0.03	A
44	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
45	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
46	SA1	3794	5110	49.19	-0.83	-0.13	A	7522	1384	2.22	-0.25	-0.04	A	1009	7897	0.48	-0.12	-0.02	A	1463	7443	11.64	-0.52	-0.09	A
47	SA1	3794	5110	43.81	-0.79	-0.13	A	7522	1384	4.96	0.37	0.06	A	1009	7897	2.58	-0.29	-0.05	A	1463	7443	17.95	-0.63	-0.12	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.52: 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
1	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
2	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
3	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
4	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
5	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
6	MC	5788	3118	11.14	0.47	0.07	A	5788	1165	5.00	0.45	0.07	A	1953	1165	0.04	0.05	0.00	A	146	1165	0.16	0.23	0.03	A
7	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<
8	MC	5788	3118	0.25	-0.06	-0.01	A	5788	1165	0.68	0.13	0.02	A	1953	1165	2.88	0.32	0.05	A	146	1165	0.44	0.29	0.06	A
9	MC	5788	3118	2.49	-0.18	-0.04	A	5788	1165	1.63	-0.21	-0.04	A	1953	1165	0.01	-0.02	0.00	A	146	1165	0.00	0.03	0.00	A
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	MC	5788	3118	0.01	0.02	0.00	A	5788	1165	0.08	-0.06	-0.01	A	1953	1165	0.34	-0.13	-0.02	A	146	1165	0.06	0.13	0.02	A
21	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
22	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>
23	MC	5788	3118	1.45	-0.14	-0.03	A	5788	1165	0.69	-0.14	-0.02	A	1953	1165	0.01	0.01	0.01	A	146	1165	0.11	0.15	0.03	A
24	MC	5788	3118	0.32	0.07	0.01	A	5788	1165	0.40	0.12	0.02	A	1953	1165	0.16	0.09	0.02	A	146	1165	0.08	0.14	0.02	A
25	MC	5788	3118	0.52	0.09	0.01	A	5788	1165	0.16	0.07	0.01	A	1953	1165	0.04	-0.04	0.00	A	146	1165	0.66	-0.37	-0.06	A
26	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
27	MC	5788	3118	13.23	-0.42	-0.07	A	5788	1165	5.70	-0.40	-0.07	A	1953	1165	0.00	0.01	0.00	A	146	1165	3.32	0.77	0.15	A
28	MC	5788	3118	4.65	-0.24	-0.04	A	5788	1165	1.84	-0.22	-0.04	A	1953	1165	0.02	0.03	0.01	A	146	1165	0.92	-0.44	-0.08	A
29	MC	5788	3118	0.00	0.01	0.00	A	5788	1165	0.00	0.01	0.01	A	1953	1165	0.01	-0.02	0.00	A	146	1165	1.70	-0.62	-0.11	A
30	MC	5788	3118	0.00	0.00	0.00	A	5788	1165	0.25	0.08	0.01	A	1953	1165	0.29	0.10	0.02	A	146	1165	1.29	-0.49	-0.10	A
31	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
32	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
33	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
34	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
35	MC	5788	3118	1.78	-0.16	-0.03	A	5788	1165	0.94	-0.16	-0.03	A	1953	1165	0.12	0.07	0.01	A	146	1165	0.26	0.26	0.04	A
36	MC	5788	3118	0.82	-0.11	-0.02	A	5788	1165	0.00	0.00	0.00	A	1953	1165	0.93	0.19	0.03	A	146	1165	0.48	0.33	0.06	A
37	MC	5788	3118	4.23	-0.28	-0.04	A	5788	1165	0.73	-0.17	-0.03	A	1953	1165	0.56	0.17	0.03	A	146	1165	0.44	0.35	0.06	A
38	MC	5788	3118	1.30	0.14	0.03	A	5788	1165	2.16	0.26	0.05	A	1953	1165	1.02	0.20	0.03	A	146	1165	0.68	-0.40	-0.07	A
39	MC	5788	3118	0.90	-0.11	-0.01	A	5788	1165	0.08	-0.05	0.00	A	1953	1165	0.13	0.07	0.02	A	146	1165	0.21	0.21	0.04	A
40	MC	5788	3118	0.53	0.08	0.01	A	5788	1165	3.57	0.32	0.06	A	1953	1165	4.59	0.42	0.09	A	146	1165	1.97	0.62	0.12	A
41	MC	5788	3118	0.40	-0.07	-0.01	A	5788	1165	2.28	-0.24	-0.05	A	1953	1165	1.93	-0.26	-0.05	A	146	1165	1.50	-0.55	-0.11	A
42	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
43	SA1	5788	3118	0.09	0.03	0.01	A	5788	1165	1.27	-0.19	-0.04	A	1953	1165	3.32	-0.36	-0.07	A	146	1165	0.24	-0.23	-0.04	A
44	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
45	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
46	SA1	5788	3118	0.99	-0.12	-0.02	A	5788	1165	0.09	0.05	0.01	A	1953	1165	3.08	0.37	0.05	A	146	1165	0.00	0.03	0.00	A
47	SA1	5788	3118	7.72	0.34	0.05	A	5788	1165	6.87	0.45	0.08	A	1953	1165	1.96	0.29	0.04	A	146	1165	1.32	-0.52	-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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.53: 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
1	MC	20904	17672	47.34	-0.41	-0.07	A	4	38572	0.00	0.09	0.02	A
2	MC	10753	8766	0.18	0.04	0.01	A	1	19518	0.71		-0.83	
3	MC	10753	8766	0.68	0.08	0.01	A	1	19518	1.05		-1.05	
4	MC	10753	8766	0.02	-0.01	0.01	A	1	19518	2.56		1.54	
5	MC	10753	8766	1.01	0.09	0.03	A	1	19518	1.63		1.24	
6	MC	10151	8906	8.92	0.37	0.02	A	3	19054	0.56		0.43	
7	MC	10753	8766	77.01	1.06	0.08	B>	1	19518	0.16		0.37	
8	MC	10151	8906	16.44	0.36	0.06	A	3	19054	1.88	-5.68	-0.75	A
9	MC	10151	8906	2.44	-0.13	-0.03	A	3	19054	0.04	-0.85	-0.11	A
10	MC	10753	8766	25.08	0.45	0.08	A	1	19518	0.86		0.97	
11	MC	10753	8766	6.46	0.24	0.03	A	1	19518	0.57		0.79	
12	MC	10753	8766	21.65	-0.47	-0.05	A	1	19518	0.15		-0.33	
13	MC	10753	8766	0.01	-0.01	0.01	A	1	19518	1.84		1.30	
14	MC	10753	8766	2.64	0.13	0.06	A	1	19518	0.43		-0.61	
15	MC	10753	8766	0.33	0.05	0.04	A	1	19518	2.93		1.55	
16	MC	10753	8766	1.97	0.12	0.04	A	1	19518	1.67		1.25	
17	MC	10753	8766	37.91	0.58	0.08	A	1	19518	0.50		0.73	
18	MC	10753	8766	2.40	-0.16	-0.01	A	1	19518	0.36		0.62	
19	MC	10753	8766	39.58	0.54	0.09	A	1	19518	0.93		0.99	
20	MC	10151	8906	123.09	1.48	0.08	B>	3	19054	0.59	-1.66	-0.42	A
21	MC	10753	8766	9.58	0.28	0.04	A	1	19518	0.45		0.69	
22	MC	10753	8766	1.75	-0.11	-0.01	A	1	19518	0.58		-0.74	
23	MC	10151	8906	15.60	0.33	0.06	A	3	19054	3.68		-0.98	
24	MC	10151	8906	6.78	0.28	0.02	A	3	19054	0.19	-1.96	-0.23	A
25	MC	10151	8906	6.39	0.24	0.03	A	3	19054	2.06		0.73	
26	MC	10753	8766	58.76	0.91	0.09	A	1	19518	0.18		0.43	
27	MC	10151	8906	3.39	0.16	0.06	A	3	19054	0.28	-1.10	-0.26	A
28	MC	10151	8906	5.09	-0.19	-0.03	A	3	19054	0.18	-0.94	-0.22	A
29	MC	10151	8906	1.59	0.11	0.04	A	3	19054	0.04	-0.81	-0.10	A
30	MC	10151	8906	20.13	0.39	0.05	A	3	19054	0.93	-4.82	-0.49	A
31	MC	20904	17672	267.47	0.99	0.15	A	4	38572	0.64	2.98	0.37	A
32	MC	20904	17672	26.34	0.60	0.02	A	4	38572	1.27	-4.28	-0.55	A
33	MC	20904	17672	18.19	-0.25	-0.03	A	4	38572	0.29	-1.33	-0.26	A
34	MC	20904	17672	3.86	0.11	0.02	A	4	38572	3.41		0.89	
35	MC	10151	8906	5.22	0.22	0.01	A	3	19054	7.66		-1.47	
36	MC	10151	8906	1.79	0.12	0.00	A	3	19054	0.00	0.09	0.02	A
37	MC	10151	8906	3.51	-0.19	-0.01	A	3	19054	0.32	1.44	0.33	A
38	MC	10151	8906	1.59	-0.11	-0.02	A	3	19054	0.03	-0.77	-0.09	A
39	MC	10151	8906	3.60	-0.17	0.01	A	3	19054	0.01	-0.23	-0.06	A
40	MC	10151	8906	1.14	-0.09	-0.02	A	3	19054	1.59	3.55	0.71	A
41	MC	10151	8906	0.07	0.02	-0.02	A	3	19054	1.72		-0.74	
42	SA1	10753	8766	169.92	1.09	0.16	B>	1	19518	0.73		0.87	
43	SA1	10151	8906	2.97	0.15	0.02	A	3	19054	1.84	3.13	0.77	A
44	SA1	10753	8766	45.77	0.79	0.03	A	1	19518	0.16		0.36	
45	SA1	10753	8766	0.43	0.06	0.00	A	1	19518	2.57		1.55	
46	SA1	10151	8906	73.58	0.84	0.08	A	3	19054	0.06	-1.07	-0.13	A
47	SA1	10151	8906	57.24	0.78	0.07	A	3	19054	1.26		0.61	

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.54: 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
48	MC	3794	5110	8.64	-0.34	-0.06	A	7522	1384	0.00	0.00	0.00	A	1009	7897	4.48	0.38	0.06	A	1463	7443	0.00	0.00	0.00	A
49	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
50	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
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	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
53	MC	3794	5110	1.48	0.14	0.02	A	7522	1384	0.21	0.07	0.01	A	1009	7897	0.42	-0.11	-0.02	A	1463	7443	3.70	-0.29	-0.05	A
54	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
55	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
56	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
57	MC	3794	5110	1.71	0.15	0.03	A	7522	1384	0.03	-0.03	0.00	A	1009	7897	0.78	-0.16	-0.03	A	1463	7443	19.98	-0.77	-0.11	A
58	MC	3794	5110	1.37	0.13	0.02	A	7522	1384	5.68	0.35	0.06	A	1009	7897	1.56	-0.21	-0.04	A	1463	7443	0.06	-0.04	0.00	A
59	MC	3794	5110	0.04	-0.03	0.00	A	7522	1384	13.03	-0.72	-0.10	A	1009	7897	13.74	0.83	0.10	A	1463	7443	0.39	-0.11	-0.02	A
60	MC	3794	5110	1.40	0.15	0.02	A	7522	1384	1.27	0.20	0.03	A	1009	7897	0.32	-0.11	-0.02	A	1463	7443	11.88	-0.55	-0.10	A
61	MC	3794	5110	0.68	0.09	0.02	A	7522	1384	3.02	0.26	0.05	A	1009	7897	1.45	0.21	0.04	A	1463	7443	7.14	-0.40	-0.07	A
62	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
63	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
64	MC	3794	5110	6.08	0.27	0.05	A	7522	1384	14.32	-0.57	-0.10	A	1009	7897	1.14	-0.18	-0.03	A	1463	7443	0.90	-0.14	-0.03	A
65	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
66	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
67	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
68	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
69	MC	3794	5110	5.67	-0.29	-0.05	A	7522	1384	1.02	-0.17	-0.03	A	1009	7897	1.44	-0.23	-0.04	A	1463	7443	0.89	0.16	0.03	A
70	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
71	MC	3794	5110	3.91	0.21	0.04	A	7522	1384	0.13	-0.05	-0.01	A	1009	7897	0.13	-0.06	-0.01	A	1463	7443	0.33	0.08	0.02	A
72	MC	3794	5110	2.83	0.19	0.03	A	7522	1384	16.83	0.61	0.11	A	1009	7897	17.34	-0.70	-0.13	A	1463	7443	2.63	-0.24	-0.04	A
73	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
74	MC	3794	5110	1.21	0.13	0.02	A	7522	1384	10.24	0.51	0.08	A	1009	7897	3.00	-0.31	-0.05	A	1463	7443	1.76	-0.20	-0.04	A
75	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
76	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
77	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
78	ER	3794	5110	80.86		0.13	A	7522	1384	43.99		0.02	A	1009	7897	30.01		0.10	A	1463	7443	44.49		-0.05	A
79	ER	3794	5110	45.22		0.10	A	7522	1384	44.44		0.12	A	1009	7897	31.00		0.04	A	1463	7443	36.63		-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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.55: 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
48	MC	5788	3118	0.36	-0.07	-0.01	A	5788	1165	1.89	-0.23	-0.04	A	1953	1165	1.75	-0.26	-0.05	A	146	1165	8.29	1.48	0.23	B>
49	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
50	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
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	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
53	MC	5788	3118	2.27	0.18	0.03	A	5788	1165	0.06	0.04	0.01	A	1953	1165	1.24	-0.22	-0.03	A	146	1165	0.57	-0.33	-0.06	A
54	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
55	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
56	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
57	MC	5788	3118	0.33	0.07	0.01	A	5788	1165	8.61	0.52	0.09	A	1953	1165	13.09	0.74	0.13	A	146	1165	1.82	0.62	0.11	A
58	MC	5788	3118	1.00	0.11	0.02	A	5788	1165	0.31	0.09	0.01	A	1953	1165	0.13	-0.07	0.00	A	146	1165	1.23	-0.49	-0.09	A
59	MC	5788	3118	1.62	-0.18	-0.03	A	5788	1165	2.03	-0.30	-0.04	A	1953	1165	0.41	-0.16	-0.03	A	146	1165	1.05	0.64	0.08	A
60	MC	5788	3118	1.90	0.18	0.03	A	5788	1165	1.34	0.22	0.03	A	1953	1165	0.10	0.07	0.00	A	146	1165	1.64	-0.66	-0.10	A
61	MC	5788	3118	0.43	0.08	0.01	A	5788	1165	0.15	0.06	0.01	A	1953	1165	0.00	-0.01	0.01	A	146	1165	0.21	-0.19	-0.04	A
62	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
63	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
64	MC	5788	3118	3.46	-0.21	-0.04	A	5788	1165	0.39	0.10	0.02	A	1953	1165	7.92	0.53	0.10	A	146	1165	4.56	0.95	0.18	A
65	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
66	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
67	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
68	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
69	MC	5788	3118	0.16	-0.05	-0.01	A	5788	1165	0.41	0.12	0.02	A	1953	1165	1.36	0.25	0.04	A	146	1165	0.73	0.42	0.08	A
70	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
71	MC	5788	3118	0.01	-0.01	0.00	A	5788	1165	2.44	0.25	0.05	A	1953	1165	5.38	0.43	0.09	A	146	1165	0.02	0.07	0.01	A
72	MC	5788	3118	35.75	0.70	0.12	A	5788	1165	19.46	0.73	0.12	A	1953	1165	0.06	0.05	0.00	A	146	1165	3.30	-0.78	-0.15	A
73	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
74	MC	5788	3118	13.93	0.46	0.08	A	5788	1165	0.82	0.16	0.03	A	1953	1165	4.84	-0.46	-0.07	A	146	1165	3.97	-0.94	-0.16	A
75	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
76	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
77	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
78	ER	5788	3118	82.58		0.08	A	5788	1165	6.10		0.00	A	1953	1165	41.31		-0.10	A	146	1165	33.96		0.26	C>
79	ER	5788	3118	85.85		0.11	A	5788	1165	10.52		0.05	A	1953	1165	23.51		-0.09	A	146	1165	7.40		0.11	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.56: 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
48	MC	10151	8906	56.64	0.71	0.08	A	3	19054	0.00	0.29	0.03	A
49	MC	10753	8766	3.67	-0.15	-0.01	A	1	19518	0.67		-0.80	
50	MC	10753	8766	9.03	0.44	0.02	A	1	19518	0.09		0.28	
51	MC	10753	8766	4.42	0.21	0.02	A	1	19518	0.28		0.52	
52	MC	10753	8766	0.93	-0.08	-0.02	A	1	19518	0.65		-0.79	
53	MC	10151	8906	89.60	0.90	0.10	A	3	19054	1.84	-7.15	-0.68	A
54	MC	10753	8766	30.12	0.51	0.05	A	1	19518	0.48		0.71	
55	MC	10753	8766	4.69	0.19	0.03	A	1	19518	0.61		0.81	
56	MC	20904	17672	4.83	-0.13	-0.02	A	4	38572	0.00	-0.01	0.00	A
57	MC	10151	8906	5.62	0.20	0.01	A	3	19054	0.18	-2.02	-0.21	A
58	MC	10151	8906	23.23	0.42	0.07	A	3	19054	2.43		0.82	
59	MC	10151	8906	93.88	1.32	0.06	B>	3	19054	0.66	-4.01	-0.45	A
60	MC	10151	8906	30.82	0.67	0.04	A	3	19054	0.86		0.51	
61	MC	10151	8906	8.59	0.26	0.04	A	3	19054	5.87		-1.26	
62	MC	10753	8766	45.51	0.69	0.07	A	1	19518	0.28		0.52	
63	MC	20904	17672	30.28	-0.32	-0.04	A	4	38572	4.33		1.00	
64	MC	10151	8906	7.56	-0.23	-0.05	A	3	19054	3.28		0.95	
65	MC	10753	8766	22.94	0.39	0.06	A	1	19518	0.66		-0.80	
66	MC	20904	17672	100.24	0.68	0.07	A	4	38572	0.07	1.03	0.12	A
67	MC	20904	17672	153.79	0.73	0.12	A	4	38572	0.14	-1.10	-0.18	A
68	MC	10753	8766	15.37	0.33	0.05	A	1	19518	1.00		1.02	
69	MC	10151	8906	20.54	-0.44	-0.08	A	3	19054	0.22	1.41	0.28	A
70	MC	10753	8766	0.03	-0.01	0.00	A	1	19518	0.84		0.94	
71	MC	10151	8906	0.01	-0.01	0.01	A	3	19054	3.05		0.92	
72	MC	10151	8906	51.24	0.67	0.08	A	3	19054	0.01	-0.37	-0.05	A
73	MC	10753	8766	34.97	0.78	0.04	A	1	19518	0.12		0.30	
74	MC	10151	8906	34.46	0.60	0.06	A	3	19054	0.13	-0.87	-0.20	A
75	MC	10753	8766	39.67	0.52	0.11	A	1	19518	0.62		0.81	
76	ER	10753	8766	124.91		0.11	A	1	19518	0.37		0.13	A
77	ER	10753	8766	84.85		0.08	A	1	19518	0.53		0.07	A
78	ER	10151	8906	222.19		0.11	A	3	19054	1.92		-0.31	A
79	ER	10151	8906	334.41		0.16	A	3	19054	3.49		-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, 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 10.57: 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
80	MC	3794	5110	1.40	0.13	0.02	A	7522	1384	4.02	0.30	0.05	A	1009	7897	3.82	-0.33	-0.06	A	1463	7443	2.33	0.22	0.04	A
81	MC	3794	5110	0.00	0.00	0.00	A	7522	1384	3.53	0.34	0.05	A	1009	7897	4.40	0.45	0.07	A	1463	7443	0.01	0.02	0.01	A
82	MC	3794	5110	14.06	-0.41	-0.07	A	7522	1384	1.02	-0.15	-0.03	A	1009	7897	1.87	-0.23	-0.04	A	1463	7443	4.54	0.31	0.06	A
83	MC	3794	5110	0.24	-0.05	-0.01	A	7522	1384	4.24	0.31	0.06	A	1009	7897	5.14	-0.38	-0.07	A	1463	7443	0.34	0.08	0.02	A
84	MC	3794	5110	3.12	0.18	0.04	A	7522	1384	4.21	-0.29	-0.06	A	1009	7897	0.04	-0.03	-0.01	A	1463	7443	0.17	-0.06	-0.01	A
85	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
86	MC	3794	5110	22.90	-0.55	-0.10	A	7522	1384	0.33	0.09	0.02	A	1009	7897	6.55	-0.47	-0.08	A	1463	7443	2.18	0.23	0.04	A
87	MC	3794	5110	29.42	-0.61	-0.11	A	7522	1384	5.06	-0.36	-0.06	A	1009	7897	2.08	0.26	0.05	A	1463	7443	9.01	0.45	0.09	A
88	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
89	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
90	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
91	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
92	MC	3794	5110	0.04	-0.02	0.00	A	7522	1384	15.38	0.59	0.11	A	1009	7897	1.26	-0.19	-0.04	A	1463	7443	3.85	-0.29	-0.06	A
93	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
94	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
95	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
96	MC	3794	5110	7.78	-0.30	-0.06	A	7522	1384	0.33	0.08	0.01	A	1009	7897	9.20	0.52	0.10	A	1463	7443	3.15	0.25	0.05	A
97	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
98	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
99	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
100	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
101	MC	3794	5110	0.10	0.03	0.01	A	7522	1384	0.58	-0.11	-0.02	A	1009	7897	0.05	0.04	0.01	A	1463	7443	0.14	-0.05	-0.01	A
102	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
103	MC	3794	5110	4.80	-0.24	-0.05	A	7522	1384	1.48	0.18	0.04	A	1009	7897	1.05	-0.17	-0.03	A	1463	7443	0.07	0.04	0.01	A
104	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

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.58: 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	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag
80	MC	5788	3118	3.05	0.20	0.04	A	5788	1165	0.01	-0.02	0.00	A	1953	1165	2.97	-0.33	-0.06	A	146	1165	3.33	-0.78	-0.16	A
81	MC	5788	3118	2.82	0.23	0.04	A	5788	1165	2.58	-0.33	-0.05	A	1953	1165	12.23	-0.82	-0.13	A	146	1165	0.53	0.43	0.06	A
82	MC	5788	3118	0.91	-0.11	-0.02	A	5788	1165	0.07	-0.04	-0.01	A	1953	1165	0.23	0.09	0.02	A	146	1165	0.39	-0.27	-0.05	A
83	MC	5788	3118	2.99	0.20	0.04	A	5788	1165	0.29	0.09	0.01	A	1953	1165	0.80	-0.17	-0.04	A	146	1165	7.36	-1.17	-0.23	B<
84	MC	5788	3118	0.29	-0.06	-0.01	A	5788	1165	0.52	0.11	0.03	A	1953	1165	2.04	0.26	0.05	A	146	1165	0.22	-0.19	-0.04	A
85	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
86	MC	5788	3118	0.66	-0.10	-0.02	A	5788	1165	1.51	-0.21	-0.04	A	1953	1165	0.99	-0.19	-0.04	A	146	1165	6.46	-1.32	-0.22	A
87	MC	5788	3118	6.66	-0.30	-0.05	A	5788	1165	0.79	-0.15	-0.03	A	1953	1165	1.75	0.26	0.04	A	146	1165	2.34	0.75	0.13	A
88	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
89	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
90	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
91	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
92	MC	5788	3118	9.84	0.37	0.07	A	5788	1165	1.58	0.21	0.04	A	1953	1165	1.47	-0.24	-0.05	A	146	1165	0.77	-0.39	-0.08	A
93	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
94	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
95	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
96	MC	5788	3118	0.23	0.05	0.01	A	5788	1165	1.26	-0.18	-0.04	A	1953	1165	3.10	-0.32	-0.08	A	146	1165	2.47	0.73	0.14	A
97	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
98	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
99	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
100	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
101	MC	5788	3118	0.35	-0.07	-0.01	A	5788	1165	0.13	-0.06	-0.02	A	1953	1165	0.00	0.00	-0.01	A	146	1165	0.71	-0.38	-0.07	A
102	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
103	MC	5788	3118	0.10	-0.04	0.00	A	5788	1165	0.13	0.06	0.01	A	1953	1165	0.70	0.16	0.03	A	146	1165	0.16	0.18	0.03	A
104	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

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ²=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 10.59: DIF Statistics based on ELL and FEP Students for Items in Listening 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
80	MC	10151	8906	0.82	-0.08	-0.01	A	3	19054	2.20	-2.94	-0.83	A
81	MC	10151	8906	3.69	0.23	0.02	A	3	19054	0.70	-2.14	-0.48	A
82	MC	10151	8906	23.28	0.42	0.08	A	3	19054	0.12	1.37	0.17	A
83	MC	10151	8906	1.98	0.13	0.03	A	3	19054	0.02	-0.38	-0.08	A
84	MC	10151	8906	4.77	-0.18	-0.01	A	3	19054	0.30	1.61	0.30	A
85	MC	20904	17672	14.65	0.23	0.03	A	4	38572	0.17	-1.23	-0.20	A
86	MC	10151	8906	23.65	0.41	0.08	A	3	19054	0.01	-0.41	-0.06	A
87	MC	10151	8906	42.39	0.62	0.10	A	3	19054	0.12	-0.93	-0.19	A
88	MC	10753	8766	5.10	-0.22	-0.02	A	1	19518	0.29		0.55	
89	MC	10753	8766	2.42	0.13	0.02	A	1	19518	1.20		-1.14	
90	MC	10753	8766	21.09	0.61	0.03	A	1	19518	0.13		0.35	
91	MC	20904	17672	17.46	0.24	0.03	A	4	38572	0.19	-1.21	-0.21	A
92	MC	10151	8906	3.84	0.19	0.03	A	3	19054	1.13		0.60	
93	MC	10753	8766	25.30	0.46	0.04	A	1	19518	2.81		-1.69	
94	MC	10753	8766	1.91	0.20	0.01	A	1	19518	0.09		0.27	
95	MC	10753	8766	1.23	-0.10	-0.03	A	1	19518	0.53		0.75	
96	MC	10151	8906	0.77	0.07	0.02	A	3	19054	1.64	-3.28	-0.73	A
97	MC	10753	8766	73.12	0.69	0.14	A	1	19518	0.52		-0.71	
98	MC	10753	8766	89.50	0.84	0.14	A	1	19518	0.47		0.71	
99	MC	20904	17672	9.75	0.18	0.04	A	4	38572	0.14	-0.93	-0.18	A
100	MC	10753	8766	8.08	-0.22	-0.03	A	1	19518	0.68		-0.81	
101	MC	10151	8906	0.00	0.00	-0.01	A	3	19054	0.04	0.58	0.12	A
102	MC	10753	8766	1.98	-0.12	-0.02	A	1	19518	0.75		0.89	
103	MC	10151	8906	30.66	0.49	0.08	A	3	19054	1.74		0.72	
104	MC	10753	8766	44.64	0.56	0.09	A	1	19518	0.54		0.75	

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.60: 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
105	SA4	3794	5110	4.89		-0.01	A	7522	1384	28.12		0.11	A	1009	7897	9.58		0.08	A	1463	7443	48.65		0.22	B>
106	SA4	3794	5110	26.08		-0.09	A	7522	1384	53.07		0.18	B>	1009	7897	19.91		0.10	A	1463	7443	32.47		0.12	A
107	SA4	3794	5110	8.31		0.06	A	7522	1384	66.52		0.22	B>	1009	7897	9.83		-0.08	A	1463	7443	21.53		0.06	A
108	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
109	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
110	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>
111	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
112	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
113	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
114	SA4	3794	5110	24.19		-0.07	A	7522	1384	47.97		0.18	B>	1009	7897	19.54		-0.06	A	1463	7443	29.15		0.11	A
115	SA4	3794	5110	12.97		-0.03	A	7522	1384	14.59		0.09	A	1009	7897	15.94		0.04	A	1463	7443	34.85		0.10	A
116	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>
117	SA4	3794	5110	49.22		-0.09	A	7522	1384	33.14		0.14	A	1009	7897	22.40		0.10	A	1463	7443	45.55		0.02	A
118	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, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.61: 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
105	SA4	5788	3118	42.93		0.10	A	5788	1165	5.92		-0.04	A	1953	1165	32.59		-0.18	B<	146	1165	2.98		0.07	A
106	SA4	5788	3118	34.18		0.06	A	5788	1165	13.72		-0.10	A	1953	1165	44.81		-0.23	B<	146	1165	19.99		-0.27	C<
107	SA4	5788	3118	44.24		0.14	A	5788	1165	8.98		0.06	A	1953	1165	18.67		-0.13	A	146	1165	12.61		-0.29	A
108	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
109	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
110	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
111	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
112	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
113	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
114	SA4	5788	3118	28.72		0.11	A	5788	1165	10.98		0.04	A	1953	1165	20.98		-0.12	A	146	1165	11.23		-0.20	A
115	SA4	5788	3118	21.33		0.03	A	5788	1165	10.07		-0.09	A	1953	1165	24.66		-0.16	A	146	1165	8.25		-0.15	A
116	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
117	SA4	5788	3118	89.04		0.03	A	5788	1165	56.50		-0.18	B<	1953	1165	58.39		-0.26	C<	146	1165	7.08		-0.14	A
118	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, 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 10.62: DIF Statistics based on ELL and FEP Students for Items in Speaking 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
105	SA4	10151	8906	13.26		0.03	A	3	19054	0.86		0.09	A
106	SA4	10151	8906	116.69		0.11	A	3	19054	2.25		-0.39	A
107	SA4	10151	8906	16.73		0.05	A	3	19054	4.47		-0.30	A
108	SA4	10753	8766	37.98		0.07	A	1	19518	23.84		-3.21	C<
109	SA4	10753	8766	32.53		0.02	A	1	19518	120.78		-4.96	C<
110	SA4	10753	8766	113.13		0.09	A	1	19518	2.14		-0.94	A
111	SA4	10753	8766	73.99		0.07	A	1	19518	59.89		-3.94	C<
112	SA4	20904	17672	74.19		0.05	A	4	38572	6.09		-1.02	A
113	SA4	10753	8766	13.53		0.01	A	1	19518	19.55		-3.11	C<
114	SA4	10151	8906	7.58		-0.03	A	3	19054	0.63		0.43	A
115	SA4	10151	8906	96.77		0.11	A	3	19054	0.47		-0.02	A
116	SA4	20904	17672	79.13		0.05	A	4	38572	3.30		-0.18	A
117	SA4	10151	8906	115.13		0.12	A	3	19054	0.90		-0.12	A
118	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, 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 10.63: 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
1	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
2	MC	1338	1803	4.64	-0.38	-0.08	A	2439	703	0.02	-0.03	-0.01	A	288	2854	2.11	-0.44	-0.09	A	598	2544	1.82	-0.31	-0.07	A
3	MC	1338	1803	0.40	0.13	0.02	A	2439	703	1.08	-0.26	-0.04	A	288	2854	2.60	0.55	0.10	A	598	2544	0.00	0.01	0.00	A
4	MC	1338	1803	12.60	-0.65	-0.12	A	2439	703	0.25	0.11	0.02	A	288	2854	0.20	0.14	0.03	A	598	2544	1.06	-0.24	-0.04	A
5	MC	1338	1803	3.87	-0.38	-0.07	A	2439	703	2.23	0.34	0.05	A	288	2854	2.67	-0.56	-0.10	A	598	2544	0.23	0.12	0.01	A
6	MC	1338	1803	2.10	-0.32	-0.05	A	2439	703	7.70	0.67	0.11	A	288	2854	2.97	0.68	0.09	A	598	2544	7.78	0.75	0.13	A
7	MC	1338	1803	7.17	0.49	0.09	A	2439	703	0.31	0.12	0.02	A	288	2854	1.03	-0.32	-0.06	A	598	2544	0.08	0.07	0.01	A
8	MC	1338	1803	12.59	0.67	0.11	A	2439	703	3.89	-0.44	-0.07	A	288	2854	1.17	0.34	0.06	A	598	2544	0.47	-0.16	-0.03	A
9	MC	1338	1803	9.57	0.57	0.11	A	2439	703	0.33	0.13	0.02	A	288	2854	0.07	-0.08	-0.01	A	598	2544	2.47	-0.39	-0.06	A
10	MC	1338	1803	13.31	0.68	0.12	A	2439	703	1.03	0.22	0.04	A	288	2854	1.81	0.42	0.08	A	598	2544	0.90	-0.23	-0.05	A
11	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
12	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
13	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
14	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
15	MC	1338	1803	7.47	0.51	0.09	A	2439	703	7.49	-0.62	-0.11	A	288	2854	2.02	-0.45	-0.08	A	598	2544	18.44	-1.03	-0.19	B<
16	MC	1338	1803	0.44	-0.12	-0.03	A	2439	703	2.47	0.34	0.07	A	288	2854	0.06	-0.07	-0.01	A	598	2544	0.13	0.08	0.02	A
17	MC	1338	1803	1.73	-0.24	-0.04	A	2439	703	2.50	0.35	0.08	A	288	2854	3.64	0.58	0.12	A	598	2544	0.66	0.19	0.04	A
18	MC	1338	1803	4.69	0.39	0.07	A	2439	703	9.13	-0.64	-0.12	A	288	2854	1.28	-0.35	-0.07	A	598	2544	1.68	-0.31	-0.05	A
19	MC	1338	1803	0.00	-0.01	0.00	A	2439	703	0.37	0.14	0.03	A	288	2854	3.53	-0.63	-0.12	A	598	2544	14.71	-0.98	-0.17	A
20	MC	1338	1803	14.31	0.95	0.12	A	2439	703	0.30	-0.15	-0.02	A	288	2854	1.41	0.54	0.07	A	598	2544	0.01	-0.03	0.00	A
21	MC	1338	1803	1.61	-0.30	-0.04	A	2439	703	0.26	0.14	0.02	A	288	2854	0.37	0.25	0.03	A	598	2544	1.85	-0.36	-0.06	A
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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
37	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
38	MC	1338	1803	0.66	0.17	0.02	A	2439	703	0.30	-0.14	-0.02	A	288	2854	6.32	0.92	0.14	A	598	2544	9.51	-0.76	-0.13	A
39	MC	1338	1803	0.47	0.13	0.02	A	2439	703	1.58	0.28	0.05	A	288	2854	2.22	-0.48	-0.09	A	598	2544	0.15	-0.09	-0.02	A
40	MC	1338	1803	2.44	0.28	0.06	A	2439	703	4.90	-0.47	-0.08	A	288	2854	1.98	-0.43	-0.08	A	598	2544	2.40	-0.36	-0.07	A
41	MC	1338	1803	6.82	-0.53	-0.10	A	2439	703	1.23	0.27	0.05	A	288	2854	0.94	-0.34	-0.06	A	598	2544	0.02	-0.04	-0.01	A
42	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
43	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
44	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
45	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
46	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
47	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<
48	SA1	1338	1803	28.25	-1.05	-0.17	B<	2439	703	1.36	0.27	0.04	A	288	2854	2.10	-0.49	-0.08	A	598	2544	5.69	-0.56	-0.11	A
49	SA1	1338	1803	30.27	-1.12	-0.18	B<	2439	703	0.40	0.15	0.01	A	288	2854	0.00	0.02	0.00	A	598	2544	6.97	-0.63	-0.11	A
50	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

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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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.64: 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	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag
1	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
2	MC	1813	1329	0.00	0.00	0.00	A	1813	340	2.65	0.47	0.10	A	989	340	4.45	0.66	0.12	A	33	340	0.72	-0.79	-0.15	A
3	MC	1813	1329	1.95	-0.29	-0.05	A	1813	340	0.59	-0.26	-0.05	A	989	340	0.00	0.01	0.02	A	33	340	0.00	0.01	0.01	A
4	MC	1813	1329	0.27	0.10	0.02	A	1813	340	0.60	0.24	0.04	A	989	340	0.37	0.20	0.03	A	33	340	1.59	1.30	0.21	A
5	MC	1813	1329	0.01	0.02	0.00	A	1813	340	1.63	0.40	0.09	A	989	340	2.71	0.56	0.13	A	33	340	1.00	-1.12	-0.18	A
6	MC	1813	1329	4.74	0.47	0.07	A	1813	340	0.51	0.26	0.03	A	989	340	0.73	-0.32	-0.05	A	33	340	1.43	1.39	0.21	A
7	MC	1813	1329	0.01	0.02	0.00	A	1813	340	0.78	0.26	0.06	A	989	340	1.26	0.36	0.09	A	33	340	0.58	-0.78	-0.14	A
8	MC	1813	1329	0.89	-0.18	-0.02	A	1813	340	0.60	0.24	0.04	A	989	340	1.70	0.43	0.09	A	33	340	1.15	0.99	0.18	A
9	MC	1813	1329	0.86	-0.17	-0.04	A	1813	340	0.06	-0.07	-0.01	A	989	340	0.39	0.20	0.03	A	33	340	7.07	-3.45	-0.46	C<
10	MC	1813	1329	3.33	0.34	0.06	A	1813	340	0.03	0.05	0.01	A	989	340	1.01	-0.33	-0.06	A	33	340	1.87	1.22	0.25	A
11	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
12	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
13	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
14	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
15	MC	1813	1329	0.02	-0.03	0.00	A	1813	340	6.41	0.78	0.14	A	989	340	10.90	1.11	0.19	B>	33	340	0.86	0.99	0.15	A
16	MC	1813	1329	1.34	0.21	0.05	A	1813	340	2.14	0.45	0.09	A	989	340	0.86	0.30	0.07	A	33	340	0.15	0.36	0.07	A
17	MC	1813	1329	0.58	0.14	0.03	A	1813	340	0.09	-0.09	-0.02	A	989	340	0.95	-0.31	-0.04	A	33	340	0.26	-0.52	-0.09	A
18	MC	1813	1329	4.22	-0.37	-0.07	A	1813	340	0.35	0.18	0.04	A	989	340	5.33	0.73	0.16	A	33	340	0.13	0.32	0.07	A
19	MC	1813	1329	4.65	0.40	0.08	A	1813	340	11.26	1.09	0.20	B>	989	340	7.06	0.92	0.18	A	33	340	1.59	-1.59	-0.22	A
20	MC	1813	1329	1.62	0.31	0.04	A	1813	340	0.01	0.04	0.01	A	989	340	0.50	-0.30	-0.06	A	33	340	0.28	0.67	0.10	A
21	MC	1813	1329	0.59	0.18	0.02	A	1813	340	0.32	0.23	0.03	A	989	340	0.06	0.10	0.02	A	33	340	1.80	1.45	0.23	A
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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
37	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
38	MC	1813	1329	1.15	0.22	0.03	A	1813	340	2.37	0.51	0.09	A	989	340	1.86	0.49	0.07	A	33	340	1.76	1.35	0.23	A
39	MC	1813	1329	0.05	0.04	0.00	A	1813	340	1.47	0.38	0.06	A	989	340	1.94	0.46	0.06	A	33	340	1.08	-1.12	-0.17	A
40	MC	1813	1329	0.52	0.13	0.03	A	1813	340	10.17	0.96	0.18	A	989	340	11.45	1.10	0.22	B>	33	340	0.00	0.01	0.00	A
41	MC	1813	1329	1.26	0.23	0.05	A	1813	340	0.82	0.30	0.05	A	989	340	0.03	0.06	0.02	A	33	340	1.86	-1.71	-0.23	A
42	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
43	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
44	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
45	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
46	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
47	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
48	SA1	1813	1329	0.15	0.08	0.01	A	1813	340	0.00	-0.02	-0.01	A	989	340	0.11	-0.12	-0.01	A	33	340	1.06	0.92	0.18	A
49	SA1	1813	1329	2.09	0.29	0.05	A	1813	340	1.72	0.42	0.08	A	989	340	0.54	0.25	0.01	A	33	340	2.13	1.49	0.27	A
50	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

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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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.65: 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
1	MC	6632	3067	8.98	0.59	0.00	A	2	9697	0.30		0.41	
2	MC	6652	3142	19.45	-0.57	-0.07	A	8	9786	0.49	1.15	0.24	A
3	MC	6652	3142	0.47	-0.10	-0.01	A	8	9786	0.55	1.41	0.24	A
4	MC	6652	3142	23.77	0.65	0.08	A	8	9786	0.40	1.48	0.21	A
5	MC	6652	3142	3.75	0.26	0.03	A	8	9786	2.74	-3.30	-0.55	A
6	MC	6652	3142	104.22	2.03	0.15	C>	8	9786	0.89		0.29	
7	MC	6652	3142	0.16	0.05	-0.02	A	8	9786	4.58	-4.22	-0.73	A
8	MC	6652	3142	25.77	0.72	0.05	A	8	9786	0.00	0.10	0.02	A
9	MC	6652	3142	0.05	0.03	-0.01	A	8	9786	1.20	2.00	0.37	A
10	MC	6652	3142	6.27	0.34	0.04	A	8	9786	0.44	-1.26	-0.22	A
11	MC	6632	3067	3.42	0.24	0.04	A	2	9697	2.19		0.83	
12	MC	6632	3067	8.00	-0.38	-0.06	A	2	9697	3.53		1.30	
13	MC	6632	3067	71.41	-1.29	-0.24	B<	2	9697	0.96	3.29	0.73	A
14	MC	6632	3067	0.38	0.08	0.02	A	2	9697	0.12	-2.35	-0.20	A
15	MC	6652	3142	1.50	0.17	0.02	A	8	9786	1.16	3.51	0.35	A
16	MC	6652	3142	0.13	0.05	0.05	A	8	9786	0.07	0.41	0.09	A
17	MC	6652	3142	1.99	0.18	0.04	A	8	9786	2.33	-3.93	-0.53	A
18	MC	6652	3142	0.18	-0.06	0.00	A	8	9786	1.96	-2.80	-0.48	A
19	MC	6652	3142	12.89	-0.48	-0.07	A	8	9786	1.79	-3.06	-0.45	A
20	MC	6652	3142	66.74	2.09	0.09	C>	8	9786	0.51		0.21	
21	MC	6652	3142	74.12	1.94	0.07	C>	8	9786	0.72		0.25	
22	MC	13284	6209	180.28	2.97	0.09	C>	10	19483	0.53		0.20	
23	MC	6632	3067	1.42	0.15	0.01	A	2	9697	0.22	-2.81	-0.29	A
24	MC	6632	3067	2.85	-0.22	-0.08	A	2	9697	0.00	-0.21	-0.02	A
25	MC	6632	3067	11.60	0.48	0.08	A	2	9697	0.09	1.84	0.19	A
26	MC	6632	3067	0.00	0.00	0.01	A	2	9697	0.09	1.53	0.20	A
27	MC	13284	6209	36.41	0.56	0.07	A	10	19483	0.00	0.00	0.00	A
28	MC	6632	3067	84.35	1.84	0.08	C>	2	9697	0.40		0.47	
29	MC	13284	6209	76.21	0.78	0.12	A	10	19483	0.03	-0.31	-0.05	A
30	MC	13284	6209	23.30	-0.54	-0.06	A	10	19483	1.05	1.63	0.32	A
31	MC	13284	6209	6.69	-0.23	-0.03	A	10	19483	2.27	-2.79	-0.46	A
32	MC	13284	6209	17.21	-0.38	-0.11	A	10	19483	2.66	-4.21	-0.50	A
33	MC	6632	3067	160.14	3.38	0.14	C>	2	9697	0.26		0.42	
34	MC	6632	3067	6.73	0.34	0.01	A	2	9697	0.18	-2.98	-0.24	A
35	MC	6632	3067	4.54	-0.27	-0.06	A	2	9697	0.10	-1.90	-0.19	A
36	MC	6632	3067	0.47	0.09	0.00	A	2	9697	1.19		0.68	
37	MC	6632	3067	0.29	0.07	0.01	A	2	9697	0.07	-1.65	-0.16	A
38	MC	6652	3142	61.02	1.33	0.07	B>	8	9786	1.52		0.38	
39	MC	6652	3142	4.42	-0.28	-0.06	A	8	9786	3.18	-3.99	-0.61	A
40	MC	6652	3142	7.69	-0.36	-0.07	A	8	9786	0.11	0.70	0.11	A
41	MC	6652	3142	0.26	-0.07	-0.01	A	8	9786	1.74	-2.75	-0.43	A
42	MC	6632	3067	0.18	0.05	0.01	A	2	9697	2.06		0.83	
43	MC	6632	3067	1.79	0.17	0.04	A	2	9697	0.02	0.68	0.09	A
44	MC	6632	3067	38.63	0.80	0.14	A	2	9697	2.25		0.82	
45	MC	6632	3067	2.23	-0.19	-0.04	A	2	9697	0.03	0.77	0.11	A
46	MC	6632	3067	1.76	-0.17	-0.07	A	2	9697	2.86		1.04	
47	SA1	6632	3067	70.95	1.50	0.10	C>	2	9697	0.44		0.48	
48	SA1	6652	3142	32.92	0.90	0.05	A	8	9786	2.34	-2.83	-0.51	A
49	SA1	6652	3142	61.30	1.32	0.09	B>	8	9786	0.03	0.53	0.05	A
50	SA1	6632	3067	1.67	0.16	0.02	A	2	9697	1.73		0.89	

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

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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 10.66: 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
51	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
52	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
53	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
54	MC	1338	1803	0.63	0.15	0.02	A	2439	703	0.28	-0.12	-0.02	A	288	2854	0.00	-0.02	0.00	A	598	2544	0.10	-0.08	-0.01	A
55	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
56	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
57	MC	1338	1803	0.36	0.11	0.02	A	2439	703	1.25	-0.24	-0.05	A	288	2854	2.78	-0.53	-0.10	A	598	2544	0.42	-0.15	-0.02	A
58	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<
59	MC	1338	1803	20.47	0.84	0.16	A	2439	703	1.63	0.28	0.05	A	288	2854	0.00	0.00	0.00	A	598	2544	3.79	-0.48	-0.08	A
60	MC	1338	1803	2.00	0.25	0.05	A	2439	703	2.54	0.34	0.08	A	288	2854	1.57	-0.38	-0.08	A	598	2544	2.50	-0.38	-0.07	A
61	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
62	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
63	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
64	MC	1338	1803	2.73	0.30	0.06	A	2439	703	1.18	-0.23	-0.04	A	288	2854	0.03	0.06	0.01	A	598	2544	3.01	0.41	0.08	A
65	MC	1338	1803	11.67	-0.62	-0.12	A	2439	703	1.46	-0.26	-0.05	A	288	2854	6.02	0.77	0.15	A	598	2544	2.91	0.40	0.07	A
66	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
67	MC	1338	1803	1.81	0.25	0.05	A	2439	703	6.75	-0.57	-0.12	A	288	2854	0.00	-0.01	0.00	A	598	2544	0.43	-0.16	-0.02	A
68	MC	1338	1803	16.49	0.75	0.14	A	2439	703	0.48	-0.15	-0.02	A	288	2854	0.30	-0.17	-0.03	A	598	2544	19.29	-1.01	-0.20	B<
69	MC	1338	1803	3.78	-0.34	-0.07	A	2439	703	0.24	-0.10	-0.03	A	288	2854	0.68	0.24	0.05	A	598	2544	0.69	-0.19	-0.04	A
70	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
71	MC	1338	1803	0.32	0.10	0.02	A	2439	703	0.90	0.21	0.04	A	288	2854	2.56	-0.51	-0.09	A	598	2544	22.04	-1.14	-0.20	B<
72	MC	1338	1803	0.09	-0.06	-0.01	A	2439	703	4.24	0.47	0.09	A	288	2854	0.95	0.31	0.06	A	598	2544	0.01	-0.03	0.01	A
73	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
74	MC	1338	1803	1.01	0.18	0.04	A	2439	703	35.95	-1.36	-0.25	B<	288	2854	16.79	1.39	0.24	B>	598	2544	1.95	-0.31	-0.06	A
75	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
76	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
77	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
78	MC	1338	1803	2.24	0.31	0.04	A	2439	703	2.82	0.38	0.07	A	288	2854	2.53	0.59	0.09	A	598	2544	3.77	-0.47	-0.09	A
79	MC	1338	1803	0.22	-0.09	-0.02	A	2439	703	0.30	0.12	0.03	A	288	2854	0.43	-0.21	-0.04	A	598	2544	0.00	-0.02	0.00	A
80	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
81	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
82	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
83	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
84	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
85	ER	1338	1803	45.01		0.16	A	2439	703	8.88		0.03	A	288	2854	2.08		0.02	A	598	2544	26.24		0.10	A
86	ER	1338	1803	30.16		0.12	A	2439	703	8.81		-0.02	A	288	2854	3.50		0.02	A	598	2544	20.37		0.12	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.67: 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
51	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
52	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
53	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
54	MC	1813	1329	1.02	-0.19	-0.04	A	1813	340	0.30	0.17	0.03	A	989	340	2.22	0.49	0.09	A	33	340	1.62	1.25	0.21	A
55	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
56	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
57	MC	1813	1329	0.03	-0.03	0.00	A	1813	340	5.36	0.71	0.14	A	989	340	9.61	1.02	0.21	B>	33	340	0.06	0.25	0.03	A
58	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
59	MC	1813	1329	1.30	0.21	0.04	A	1813	340	0.28	0.16	0.04	A	989	340	0.04	-0.07	0.00	A	33	340	0.00	0.03	0.00	A
60	MC	1813	1329	0.00	0.00	0.00	A	1813	340	0.40	0.19	0.03	A	989	340	0.35	0.19	0.05	A	33	340	1.40	-1.18	-0.19	A
61	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
62	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
63	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
64	MC	1813	1329	0.23	-0.09	-0.02	A	1813	340	0.54	0.22	0.04	A	989	340	1.55	0.40	0.09	A	33	340	0.53	-0.77	-0.14	A
65	MC	1813	1329	3.44	-0.34	-0.07	A	1813	340	3.84	-0.60	-0.12	A	989	340	0.76	-0.28	-0.07	A	33	340	0.00	0.02	0.02	A
66	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
67	MC	1813	1329	5.53	-0.44	-0.09	A	1813	340	1.43	0.39	0.07	A	989	340	11.74	1.19	0.21	B>	33	340	0.50	-0.84	-0.12	A
68	MC	1813	1329	0.03	-0.03	-0.01	A	1813	340	2.07	0.44	0.09	A	989	340	3.90	0.65	0.13	A	33	340	1.19	-0.97	-0.18	A
69	MC	1813	1329	1.87	-0.24	-0.05	A	1813	340	0.58	-0.22	-0.04	A	989	340	0.01	0.03	0.03	A	33	340	1.05	-1.00	-0.17	A
70	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
71	MC	1813	1329	0.00	0.00	0.00	A	1813	340	1.11	0.32	0.06	A	989	340	2.10	0.47	0.09	A	33	340	0.12	0.33	0.07	A
72	MC	1813	1329	0.22	-0.09	-0.02	A	1813	340	1.68	-0.39	-0.07	A	989	340	1.79	-0.44	-0.06	A	33	340	0.27	-0.50	-0.09	A
73	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
74	MC	1813	1329	14.97	-0.71	-0.13	A	1813	340	2.41	-0.46	-0.08	A	989	340	1.41	0.38	0.07	A	33	340	9.19	3.66	0.54	C>
75	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
76	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
77	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
78	MC	1813	1329	0.60	0.16	0.03	A	1813	340	0.19	0.14	0.02	A	989	340	0.03	-0.06	0.00	A	33	340	0.04	-0.19	-0.04	A
79	MC	1813	1329	1.33	-0.22	-0.03	A	1813	340	0.14	-0.12	-0.02	A	989	340	0.10	0.10	0.02	A	33	340	0.49	0.69	0.13	A
80	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
81	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
82	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
83	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
84	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
85	ER	1813	1329	16.51		-0.01	A	1813	340	4.63		-0.05	A	989	340	8.35		-0.06	A	33	340	3.84		0.16	A
86	ER	1813	1329	23.71		-0.04	A	1813	340	10.72		-0.10	A	989	340	6.60		-0.09	A	33	340	1.84		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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.68: 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
51	MC	6632	3067	2.12	0.18	0.00	A	2	9697	0.06	-1.25	-0.15	A
52	MC	6632	3067	0.32	-0.07	-0.05	A	2	9697	0.06	-1.39	-0.16	A
53	MC	6632	3067	0.94	0.12	-0.01	A	2	9697	0.10	-1.87	-0.19	A
54	MC	6652	3142	1.82	0.17	-0.01	A	8	9786	0.07	-0.47	-0.09	A
55	MC	6632	3067	1.62	-0.16	-0.06	A	2	9697	0.00	-0.09	-0.01	A
56	MC	6632	3067	22.38	0.60	0.08	A	2	9697	0.10	-1.97	-0.19	A
57	MC	6652	3142	1.71	-0.17	-0.06	A	8	9786	1.36	1.90	0.40	A
58	MC	6632	3067	3.48	0.28	-0.04	A	2	9697	1.17	-5.34	-0.74	A
59	MC	6652	3142	5.08	0.29	0.05	A	8	9786	1.17	2.45	0.37	A
60	MC	6652	3142	0.88	-0.12	-0.01	A	8	9786	0.22	-0.78	-0.16	A
61	MC	6632	3067	0.14	0.05	-0.02	A	2	9697	1.43		0.79	
62	MC	6632	3067	152.69	1.99	0.20	C>	2	9697	1.22	-8.31	-0.77	A
63	MC	13284	6209	77.49	0.83	0.09	A	10	19483	0.71	-1.57	-0.24	A
64	MC	6652	3142	0.24	0.06	0.01	A	8	9786	0.13	0.57	0.12	A
65	MC	6652	3142	21.75	0.60	0.11	A	8	9786	0.03	-0.27	-0.06	A
66	MC	6632	3067	82.96	1.18	0.14	B>	2	9697	1.88		0.77	
67	MC	6652	3142	0.00	0.01	0.01	A	8	9786	1.74	2.39	0.45	A
68	MC	6652	3142	3.97	0.27	0.03	A	8	9786	0.01	0.26	0.04	A
69	MC	6652	3142	0.00	0.00	-0.02	A	8	9786	1.46	2.21	0.42	A
70	MC	6632	3067	143.19	1.61	0.22	C>	2	9697	0.52	-4.82	-0.45	A
71	MC	6652	3142	1.75	-0.17	-0.07	A	8	9786	0.09	-0.58	-0.10	A
72	MC	6652	3142	48.31	0.88	0.14	A	8	9786	0.44	-1.13	-0.23	A
73	MC	6632	3067	68.99	1.15	0.26	B>	2	9697	1.49		-0.79	
74	MC	6652	3142	42.68	0.91	0.07	A	8	9786	0.00	0.02	0.00	A
75	MC	13284	6209	6.70	-0.23	-0.06	A	10	19483	0.35	-0.96	-0.18	A
76	MC	6632	3067	93.83	1.21	0.21	B>	2	9697	0.06	-1.53	-0.15	A
77	MC	13284	6209	22.52	-0.50	-0.03	A	10	19483	5.81	3.12	0.72	A
78	MC	6652	3142	31.15	0.94	0.07	A	8	9786	0.01	0.32	0.03	A
79	MC	6652	3142	95.25	1.45	0.17	B>	8	9786	0.23	1.66	0.15	A
80	MC	6632	3067	0.03	0.02	-0.05	A	2	9697	1.43		-0.81	
81	MC	13284	6209	57.10	0.75	0.06	A	10	19483	1.17	3.11	0.32	A
82	MC	6632	3067	3.76	0.26	0.04	A	2	9697	0.05	1.08	0.15	A
83	ER	6632	3067	274.19		0.19	B>	2	9697	8.11		-0.63	A
84	ER	6632	3067	342.26		0.24	B>	2	9697	12.46		-0.30	A
85	ER	6652	3142	219.26		0.21	B>	8	9786	8.89		0.12	A
86	ER	6652	3142	224.32		0.19	B>	8	9786	36.21		-0.65	C<

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.69: 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
87	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
88	MC	1338	1803	4.92	-0.44	-0.08	A	2439	703	9.80	0.78	0.13	A	288	2854	4.94	-0.79	-0.13	A	598	2544	3.03	0.45	0.08	A
89	MC	1338	1803	2.99	0.36	0.06	A	2439	703	0.33	0.14	0.02	A	288	2854	0.15	-0.14	-0.02	A	598	2544	3.63	-0.46	-0.09	A
90	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
91	MC	1338	1803	4.53	-0.39	-0.07	A	2439	703	0.29	-0.12	-0.03	A	288	2854	0.03	-0.05	-0.01	A	598	2544	1.42	-0.28	-0.06	A
92	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
93	MC	1338	1803	0.04	0.05	0.01	A	2439	703	2.52	0.47	0.06	A	288	2854	0.49	0.33	0.04	A	598	2544	0.11	-0.10	-0.02	A
94	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
95	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
96	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
97	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
98	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
99	MC	1338	1803	12.28	-0.69	-0.12	A	2439	703	1.31	0.27	0.03	A	288	2854	0.44	0.23	0.04	A	598	2544	28.11	1.28	0.25	B>
100	MC	1338	1803	0.54	0.13	0.03	A	2439	703	1.50	-0.25	-0.04	A	288	2854	4.30	-0.63	-0.12	A	598	2544	0.46	-0.15	-0.04	A
101	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
102	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
103	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
104	MC	1338	1803	1.38	-0.21	-0.04	A	2439	703	0.73	-0.18	-0.03	A	288	2854	0.01	-0.02	-0.01	A	598	2544	0.90	-0.21	-0.04	A
105	MC	1338	1803	0.03	-0.03	0.00	A	2439	703	0.63	0.17	0.03	A	288	2854	6.03	-0.75	-0.14	A	598	2544	6.68	-0.60	-0.11	A
106	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
107	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
108	MC	1338	1803	0.36	0.12	0.02	A	2439	703	0.14	-0.09	-0.02	A	288	2854	1.24	0.40	0.06	A	598	2544	0.07	0.06	0.02	A
109	MC	1338	1803	0.27	0.10	0.02	A	2439	703	1.31	0.26	0.06	A	288	2854	11.35	-1.19	-0.21	B<	598	2544	0.05	-0.05	-0.01	A
110	MC	1338	1803	2.61	-0.31	-0.06	A	2439	703	0.39	0.14	0.02	A	288	2854	4.36	-0.66	-0.12	A	598	2544	1.71	0.31	0.06	A
111	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

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.70: 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
87	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
88	MC	1813	1329	2.19	0.30	0.06	A	1813	340	0.71	0.28	0.05	A	989	340	0.08	-0.10	-0.02	A	33	340	4.02	-3.00	-0.36	A
89	MC	1813	1329	0.94	0.20	0.03	A	1813	340	2.11	0.47	0.08	A	989	340	1.24	0.39	0.05	A	33	340	0.10	0.34	0.06	A
90	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
91	MC	1813	1329	0.31	-0.10	-0.02	A	1813	340	0.88	-0.28	-0.06	A	989	340	0.41	-0.20	-0.05	A	33	340	0.00	0.02	0.00	A
92	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
93	MC	1813	1329	0.55	0.19	0.03	A	1813	340	0.01	0.05	0.01	A	989	340	0.15	-0.18	-0.04	A	33	340	0.06	0.33	0.03	A
94	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
95	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
96	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
97	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
98	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
99	MC	1813	1329	0.44	-0.13	-0.02	A	1813	340	9.32	-1.00	-0.17	B<	989	340	11.39	-1.17	-0.22	B<	33	340	0.03	0.18	0.03	A
100	MC	1813	1329	5.47	-0.41	-0.08	A	1813	340	3.24	-0.51	-0.11	A	989	340	0.28	-0.16	-0.04	A	33	340	0.00	-0.04	-0.02	A
101	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
102	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
103	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
104	MC	1813	1329	0.63	-0.14	-0.02	A	1813	340	0.02	0.04	0.00	A	989	340	0.45	0.20	0.02	A	33	340	0.23	0.42	0.09	A
105	MC	1813	1329	0.58	0.14	0.03	A	1813	340	1.55	0.37	0.07	A	989	340	0.97	0.31	0.06	A	33	340	0.54	-0.67	-0.14	A
106	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
107	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
108	MC	1813	1329	0.22	0.10	0.02	A	1813	340	1.46	-0.40	-0.06	A	989	340	2.98	-0.61	-0.13	A	33	340	2.24	-1.38	-0.27	A
109	MC	1813	1329	0.00	0.01	0.01	A	1813	340	1.33	0.36	0.07	A	989	340	1.64	0.43	0.07	A	33	340	0.14	-0.37	-0.06	A
110	MC	1813	1329	0.90	-0.18	-0.03	A	1813	340	4.77	-0.69	-0.12	A	989	340	4.34	-0.70	-0.15	A	33	340	12.04	-3.05	-0.64	C<
111	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

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.71: DIF Statistics based on ELL and FEP Students for Items in Listening 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
87	MC	13284	6209	62.13	0.83	0.06	A	10	19483	0.00	-0.09	-0.01	A
88	MC	6652	3142	24.47	0.66	0.10	A	8	9786	2.30	-4.37	-0.51	A
89	MC	6652	3142	3.81	0.32	0.02	A	8	9786	7.84	-4.54	-0.94	C<
90	MC	6632	3067	0.85	-0.13	-0.06	A	2	9697	0.69		0.58	
91	MC	6652	3142	5.98	0.34	0.01	A	8	9786	0.53	-1.39	-0.24	A
92	MC	13284	6209	24.91	0.56	0.04	A	10	19483	1.45	-1.90	-0.37	A
93	MC	6652	3142	37.32	1.52	0.07	C>	8	9786	0.59	-2.26	-0.25	A
94	MC	6632	3067	2.78	-0.22	-0.05	A	2	9697	1.33		-0.80	
95	MC	6632	3067	8.76	0.36	0.02	A	2	9697	1.53		0.83	
96	MC	6632	3067	0.70	-0.11	-0.07	A	2	9697	0.12	-1.89	-0.22	A
97	MC	6632	3067	0.01	0.01	-0.02	A	2	9697	0.30	-2.83	-0.36	A
98	MC	6632	3067	2.88	0.23	0.01	A	2	9697	0.97		0.63	
99	MC	6652	3142	42.76	1.02	0.08	B>	8	9786	0.35	-1.01	-0.20	A
100	MC	6652	3142	5.45	-0.29	-0.07	A	8	9786	3.61	4.00	0.66	A
101	MC	6632	3067	23.15	-0.59	-0.14	A	2	9697	2.73		1.16	
102	MC	6632	3067	2.15	0.25	-0.02	A	2	9697	0.43		0.47	
103	MC	6632	3067	3.20	-0.22	-0.08	A	2	9697	0.00	0.07	0.01	A
104	MC	6652	3142	8.40	0.38	0.03	A	8	9786	1.00	-1.71	-0.34	A
105	MC	6652	3142	5.69	0.31	0.00	A	8	9786	0.01	-0.23	-0.04	A
106	MC	6632	3067	10.70	0.47	0.02	A	2	9697	0.98	-4.59	-0.68	A
107	MC	13284	6209	1.15	0.10	-0.01	A	10	19483	1.30	-1.83	-0.35	A
108	MC	6652	3142	3.43	0.30	-0.01	A	8	9786	2.84	-2.95	-0.56	A
109	MC	6652	3142	12.51	-0.47	-0.10	A	8	9786	0.04	0.37	0.07	A
110	MC	6652	3142	5.28	0.33	0.03	A	8	9786	0.45	1.65	0.23	A
111	MC	6632	3067	0.10	-0.04	-0.04	A	2	9697	0.09	-1.57	-0.19	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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.72: 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
112	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>
113	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>
114	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>
115	SA4	1338	1803	11.44		0.02	A	2439	703	3.06		0.06	A	288	2854	10.55		-0.07	A	598	2544	54.61		0.35	C>
116	SA4	1338	1803	13.20		-0.08	A	2439	703	12.67		0.12	A	288	2854	14.16		-0.16	A	598	2544	62.37		0.35	C>
117	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>
118	SA4	1338	1803	29.06		0.01	A	2439	703	10.26		0.07	A	288	2854	8.14		-0.13	A	598	2544	51.01		0.29	C>
119	SA4	1338	1803	7.73		0.03	A	2439	703	18.60		0.12	A	288	2854	2.59		-0.02	A	598	2544	38.93		0.22	B>
120	SA4	1338	1803	14.83		-0.10	A	2439	703	7.59		0.08	A	288	2854	4.91		0.02	A	598	2544	25.52		0.22	B>
121	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>
122	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>
123	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
124	SA4	1338	1803	9.47		-0.09	A	2439	703	2.12		0.03	A	288	2854	4.87		-0.05	A	598	2544	78.97		0.38	C>
125	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, Item number does not indicate item location on the test form as all items on 2 operational test forms were concurrently analyzed.

Table 10.73: 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
112	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<
113	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
114	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
115	SA4	1813	1329	2.02		0.03	A	1813	340	5.52		-0.11	A	989	340	11.25		-0.21	A	33	340	7.59		0.01	A
116	SA4	1813	1329	10.58		0.09	A	1813	340	1.71		0.01	A	989	340	2.86		-0.13	A	33	340	7.34		0.07	A
117	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
118	SA4	1813	1329	18.48		0.05	A	1813	340	7.20		-0.07	A	989	340	9.36		-0.17	A	33	340	5.04		-0.12	A
119	SA4	1813	1329	2.50		0.02	A	1813	340	14.41		-0.10	A	989	340	22.67		-0.19	B<	33	340	5.43		0.16	A
120	SA4	1813	1329	4.67		0.04	A	1813	340	9.88		-0.09	A	989	340	16.51		-0.18	B<	33	340	4.84		0.14	A
121	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
122	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
123	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
124	SA4	1813	1329	21.51		-0.03	A	1813	340	25.30		-0.19	B<	989	340	15.83		-0.21	B<	33	340	3.23		0.09	A
125	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, 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 10.74: 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
112	SA4	6632	3067	53.47		0.06	A	2	9697	1.67		0.70	A
113	SA4	6632	3067	82.54		0.09	A	2	9697	0.36		0.34	A
114	SA4	6632	3067	30.33		0.07	A	2	9697	0.34		0.26	A
115	SA4	6652	3142	40.79		0.07	A	8	9786	0.28		0.02	A
116	SA4	6652	3142	53.90		0.09	A	8	9786	0.47		0.20	A
117	SA4	6632	3067	92.53		0.11	A	2	9697	1.05		0.61	A
118	SA4	6652	3142	8.71		0.02	A	8	9786	3.27		0.49	A
119	SA4	6652	3142	81.12		0.15	A	8	9786	1.86		0.15	A
120	SA4	6652	3142	76.75		0.10	A	8	9786	2.99		0.41	A
121	SA4	13284	6209	199.65		0.15	A	10	19483	4.66		-0.30	A
122	SA4	13284	6209	129.35		0.07	A	10	19483	1.88		0.21	A
123	SA4	6632	3067	113.12		0.12	A	2	9697	1.19		0.62	A
124	SA4	6652	3142	178.80		0.18	B>	8	9786	0.65		0.06	A
125	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, 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 10.75: 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	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag
1	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
2	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
3	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<
4	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
5	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<
6	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
7	MC	1191	1556	10.92	0.78	0.12	A	1933	815	3.43	-0.48	-0.07	A	156	2592	0.51	0.38	0.05	A	340	2408	3.42	-0.59	-0.11	A
8	MC	1191	1556	3.68	-0.43	-0.06	A	1933	815	0.01	-0.03	0.00	A	156	2592	0.19	0.23	0.03	A	340	2408	0.63	0.26	0.05	A
9	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
10	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
11	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
12	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
13	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
14	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<
15	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<
16	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
17	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<
18	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
19	MC	1191	1556	0.01	0.02	0.01	A	1933	815	5.66	0.49	0.10	A	156	2592	1.86	0.53	0.11	A	340	2408	9.38	0.87	0.17	A
20	MC	1191	1556	9.53	0.59	0.12	A	1933	815	9.36	0.64	0.13	A	156	2592	2.46	-0.65	-0.12	A	340	2408	17.77	-1.21	-0.24	B<
21	MC	1191	1556	3.30	0.38	0.06	A	1933	815	1.46	0.28	0.05	A	156	2592	0.14	-0.17	-0.03	A	340	2408	27.78	-1.62	-0.28	C<
22	MC	1191	1556	4.15	0.43	0.07	A	1933	815	7.54	-0.65	-0.10	A	156	2592	1.11	-0.47	-0.08	A	340	2408	21.83	-1.37	-0.27	B<
23	MC	1191	1556	0.64	-0.16	-0.03	A	1933	815	13.59	0.81	0.14	A	156	2592	0.64	-0.34	-0.06	A	340	2408	6.35	-0.80	-0.14	A
24	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>
25	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
26	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<
27	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<
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	MC	1191	1556	3.44	-0.61	-0.06	A	1933	815	4.78	0.77	0.09	A	156	2592	1.28	1.05	0.08	A	340	2408	0.06	-0.12	-0.01	A
37	MC	1191	1556	1.79	0.26	0.05	A	1933	815	21.53	0.97	0.18	A	156	2592	0.71	-0.35	-0.07	A	340	2408	4.00	-0.60	-0.11	A
38	MC	1191	1556	6.46	0.50	0.09	A	1933	815	1.26	0.24	0.04	A	156	2592	0.00	0.00	0.00	A	340	2408	3.16	-0.55	-0.10	A
39	MC	1191	1556	7.02	0.57	0.09	A	1933	815	0.02	-0.03	-0.01	A	156	2592	0.13	-0.17	-0.03	A	340	2408	20.34	-1.32	-0.26	B<
40	MC	1191	1556	5.42	0.44	0.08	A	1933	815	6.39	0.52	0.10	A	156	2592	0.53	-0.29	-0.06	A	340	2408	0.51	-0.21	-0.04	A
41	MC	1191	1556	8.40	0.55	0.11	A	1933	815	74.97	1.75	0.35	C>	156	2592	21.58	-1.87	-0.37	C<	340	2408	25.08	-1.41	-0.30	B<
42	MC	1191	1556	2.88	0.39	0.06	A	1933	815	0.03	-0.04	-0.01	A	156	2592	0.22	-0.23	-0.03	A	340	2408	13.60	-1.17	-0.21	B<
43	MC	1191	1556	3.14	0.33	0.06	A	1933	815	7.92	-0.58	-0.11	A	156	2592	2.56	-0.63	-0.13	A	340	2408	8.05	-0.83	-0.16	A
44	MC	1191	1556	2.91	-0.35	-0.06	A	1933	815	0.07	0.06	0.01	A	156	2592	3.42	0.82	0.13	A	340	2408	1.56	-0.37	-0.07	A
45	MC	1191	1556	3.37	0.36	0.07	A	1933	815	0.05	0.05	0.01	A	156	2592	1.64	-0.55	-0.10	A	340	2408	7.52	-0.87	-0.15	A
46	MC	1191	1556	2.12	0.29	0.05	A	1933	815	0.31	-0.12	-0.02	A	156	2592	0.04	0.08	0.02	A	340	2408	12.02	-1.01	-0.20	B<
47	MC	1191	1556	0.02	0.03	0.00	A	1933	815	3.20	-0.38	-0.08	A	156	2592	1.82	0.55	0.11	A	340	2408	1.04	-0.32	-0.07	A
48	MC	1191	1556	0.09	-0.06	-0.01	A	1933	815	0.36	-0.13	-0.03	A	156	2592	3.90	-0.84	-0.16	A	340	2408	0.03	0.05	0.01	A
49	MC	1191	1556	3.23	-0.36	-0.07	A	1933	815	5.63	-0.51	-0.10	A	156	2592	0.24	0.21	0.04	A	340	2408	0.36	0.18	0.04	A
50	MC	1191	1556	0.00	0.01	0.00	A	1933	815	0.10	-0.07	-0.01	A	156	2592	0.12	0.14	0.03	A	340	2408	1.81	0.40	0.07	A

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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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.76: DIF Statistics based on ELL Students' Home Languages for Items in Reading 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	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag
1	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	
2	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
3	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
4	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
5	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
6	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
7	MC	1267	1481	0.00	0.01	0.00	A	1267	308	0.17	0.16	0.03	A	1173	308	0.26	0.20	0.03	A	16	308	0.24	0.72	0.13	A
8	MC	1267	1481	1.72	-0.29	-0.04	A	1267	308	4.99	-0.85	-0.14	A	1173	308	2.51	-0.62	-0.10	A	16	308	0.33	-0.82	-0.14	A
9	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
10	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
11	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
12	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
13	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<
14	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
15	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
16	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
17	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
18	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
19	MC	1267	1481	0.00	0.01	0.00	A	1267	308	4.76	-0.67	-0.14	A	1173	308	8.01	-0.88	-0.21	A	16	308	0.06	0.31	0.06	A
20	MC	1267	1481	10.92	0.63	0.12	A	1267	308	6.28	0.79	0.17	A	1173	308	0.72	0.28	0.05	A	16	308	2.26	-2.00	-0.37	A
21	MC	1267	1481	1.34	0.24	0.04	A	1267	308	1.78	0.44	0.07	A	1173	308	0.89	0.31	0.06	A	16	308	0.62	-0.99	-0.19	A
22	MC	1267	1481	1.21	-0.23	-0.04	A	1267	308	4.40	0.70	0.14	A	1173	308	14.29	1.30	0.21	B>	16	308	3.32	2.58	0.45	A
23	MC	1267	1481	6.47	0.51	0.09	A	1267	308	1.61	0.41	0.06	A	1173	308	0.23	-0.16	-0.03	A	16	308	0.55	-1.14	-0.18	A
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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	
36	MC	1267	1481	6.49	0.85	0.10	A	1267	308	0.45	0.40	0.05	A	1173	308	0.97	-0.57	-0.05	A	16	308	0.08	0.64	0.07	A
37	MC	1267	1481	7.17	0.51	0.10	A	1267	308	2.22	0.46	0.09	A	1173	308	0.02	-0.05	0.02	A	16	308	0.67	0.96	0.21	A
38	MC	1267	1481	0.07	0.05	0.01	A	1267	308	0.73	-0.27	-0.05	A	1173	308	1.78	-0.43	-0.07	A	16	308	0.46	-0.98	-0.17	A
39	MC	1267	1481	0.08	0.06	0.01	A	1267	308	1.90	0.46	0.05	A	1173	308	1.71	0.44	0.05	A	16	308	0.09	0.36	0.08	A
40	MC	1267	1481	6.93	0.50	0.10	A	1267	308	3.04	0.54	0.10	A	1173	308	0.01	0.03	0.00	A	16	308	1.32	-1.50	-0.28	A
41	MC	1267	1481	36.03	1.15	0.22	B>	1267	308	23.16	1.48	0.29	B>	1173	308	1.80	0.41	0.08	A	16	308	0.07	0.33	0.07	A
42	MC	1267	1481	0.48	0.16	0.02	A	1267	308	0.56	0.28	0.06	A	1173	308	0.29	0.21	0.04	A	16	308	2.63	-2.06	-0.40	A
43	MC	1267	1481	0.24	-0.09	-0.02	A	1267	308	1.54	0.39	0.06	A	1173	308	3.86	0.62	0.10	A	16	308	0.01	-0.12	-0.02	A
44	MC	1267	1481	0.00	-0.01	0.00	A	1267	308	2.33	0.52	0.09	A	1173	308	2.36	0.53	0.11	A	16	308	0.22	0.50	0.11	A
45	MC	1267	1481	1.30	-0.23	-0.05	A	1267	308	0.42	0.22	0.03	A	1173	308	2.86	0.56	0.09	A	16	308	2.01	-2.32	-0.34	A
46	MC	1267	1481	0.15	0.07	0.01	A	1267	308	2.87	0.53	0.08	A	1173	308	2.69	0.52	0.10	A	16	308	1.06	-1.48	-0.26	A
47	MC	1267	1481	0.06	-0.05	-0.01	A	1267	308	0.01	-0.03	-0.02	A	1173	308	0.00	-0.01	-0.01	A	16	308	0.41	-0.95	-0.16	A
48	MC	1267	1481	2.43	-0.31	-0.06	A	1267	308	0.13	-0.11	-0.02	A	1173	308	0.70	0.27	0.06	A	16	308	0.04	-0.23	-0.05	A
49	MC	1267	1481	0.38	-0.13	-0.02	A	1267	308	0.60	0.27	0.07	A	1173	308	2.20	0.52	0.12	A	16	308	0.01	-0.11	-0.03	A
50	MC	1267	1481	0.23	0.09	0.02	A	1267	308	1.93	0.45	0.08	A	1173	308	1.88	0.45	0.09	A	16	308	0.05	0.26	0.06	A

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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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.77: 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
1	MC	1853	2482	13.46	1.72	0.05	C>	0	4335				
2	MC	1853	2482	0.04	-0.03	0.02	A	0	4335				
3	MC	3801	5230	1.66	-0.16	-0.03	A	1	9030	0.46		0.65	
4	MC	3801	5230	0.13	0.04	0.01	A	1	9030	0.62		0.77	
5	MC	3801	5230	0.74	0.17	0.01	A	1	9030	0.07		0.17	
6	MC	3801	5230	0.07	0.03	0.01	A	1	9030	0.92		-0.96	
7	MC	1948	2748	0.94	0.24	0.02	A	1	4695	12.33		-2.46	
8	MC	1948	2748	26.17	1.31	0.08	B>	1	4695	0.06		0.14	
9	MC	1853	2482	1.61	0.31	0.03	A	0	4335				
10	MC	1853	2482	8.11	0.53	0.08	A	0	4335				
11	MC	1853	2482	0.11	0.07	0.02	A	0	4335				
12	MC	1853	2482	0.04	-0.04	0.02	A	0	4335				
13	MC	1853	2482	5.88	0.44	0.06	A	0	4335				
14	MC	1853	2482	0.74	-0.21	-0.01	A	0	4335				
15	MC	1853	2482	1.77	0.49	0.02	A	0	4335				
16	MC	1853	2482	0.32	-0.10	-0.03	A	0	4335				
17	MC	1853	2482	2.71	-0.32	-0.02	A	0	4335				
18	MC	3801	5230	1.13	0.14	0.02	A	1	9030	2.53		-1.54	
19	MC	1948	2748	2.18	0.24	0.08	A	1	4695	1.08		-1.04	
20	MC	1948	2748	14.90	-0.68	-0.09	A	1	4695	0.51		0.68	
21	MC	1948	2748	11.54	-0.66	-0.09	A	1	4695	3.79		-1.63	
22	MC	1948	2748	7.35	-0.56	-0.04	A	1	4695	0.14		0.29	
23	MC	1948	2748	1.03	-0.18	-0.05	A	1	4695	1.24		-1.11	
24	MC	3801	5230	187.58	2.35	0.23	C>	1	9030	0.13		0.27	
25	MC	1853	2482	0.14	-0.07	0.00	A	0	4335				
26	MC	1853	2482	0.75	-0.16	0.00	A	0	4335				
27	MC	1853	2482	7.60	-0.49	-0.09	A	0	4335				
28	MC	1853	2482	2.20	-0.26	-0.03	A	0	4335				
29	MC	1853	2482	4.32	-0.41	-0.06	A	0	4335				
30	MC	1853	2482	8.12	-0.55	-0.07	A	0	4335				
31	MC	1853	2482	5.68	0.42	0.09	A	0	4335				
32	MC	1853	2482	0.22	-0.08	0.02	A	0	4335				
33	MC	1853	2482	0.17	-0.08	0.02	A	0	4335				
34	MC	1853	2482	0.63	0.24	0.01	A	0	4335				
35	MC	1853	2482	22.09	2.56	0.07	C>	0	4335				
36	MC	1948	2748	2.24	0.71	0.02	A	1	4695	0.01		0.03	
37	MC	1948	2748	0.27	0.09	0.01	A	1	4695	0.81		0.90	
38	MC	1948	2748	0.47	-0.12	-0.01	A	1	4695	1.53		-1.21	
39	MC	1948	2748	5.47	-0.49	-0.07	A	1	4695	0.15		0.28	
40	MC	1948	2748	1.76	-0.23	-0.04	A	1	4695	0.55		0.72	
41	MC	1948	2748	6.68	-0.45	-0.05	A	1	4695	0.46		0.66	
42	MC	1948	2748	0.25	0.12	0.00	A	1	4695	0.08		0.20	
43	MC	1948	2748	32.46	-0.95	-0.17	A	1	4695	1.09		-1.04	
44	MC	1948	2748	0.00	-0.01	0.00	A	1	4695	0.19		0.34	
45	MC	1948	2748	5.45	-0.41	-0.06	A	1	4695	0.87		-0.95	
46	MC	1948	2748	0.24	0.09	0.02	A	1	4695	3.00		-1.54	
47	MC	1948	2748	0.74	-0.14	-0.01	A	1	4695	1.07		1.05	
48	MC	1948	2748	10.45	0.55	0.12	A	1	4695	0.83		0.91	
49	MC	1948	2748	0.67	0.14	0.03	A	1	4695	1.90		1.42	
50	MC	1948	2748	4.31	0.36	0.08	A	1	4695	0.64		0.78	

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),

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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 10.78: DIF Statistics based on ELL Students for Items in Writing 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
51	MC	1191	1556	0.01	-0.02	0.00	A	1933	815	3.31	-0.38	-0.07	A	156	2592	5.85	-1.05	-0.20	A	340	2408	1.48	-0.37	-0.07	A
52	MC	1191	1556	2.41	0.41	0.06	A	1933	815	1.44	-0.35	-0.05	A	156	2592	11.29	-1.65	-0.25	C<	340	2408	25.41	-1.70	-0.29	C<
53	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>
54	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
55	MC	1191	1556	3.60	0.57	0.07	A	1933	815	0.52	0.23	0.04	A	156	2592	2.15	1.18	0.11	A	340	2408	7.30	-1.05	-0.16	B<
56	MC	1191	1556	0.00	0.00	0.00	A	1933	815	11.74	-0.75	-0.13	A	156	2592	3.40	0.83	0.14	A	340	2408	0.23	0.14	0.02	A
57	MC	1191	1556	0.61	0.15	0.03	A	1933	815	0.23	-0.10	-0.01	A	156	2592	3.54	0.75	0.15	A	340	2408	4.76	-0.66	-0.12	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	1191	1556	0.31	0.12	0.02	A	1933	815	3.30	-0.42	-0.08	A	156	2592	0.05	0.10	0.02	A	340	2408	4.22	0.66	0.12	A
60	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
61	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
62	MC	1191	1556	3.80	0.37	0.07	A	1933	815	5.38	0.48	0.09	A	156	2592	0.91	-0.39	-0.08	A	340	2408	12.79	-1.07	-0.20	B<
63	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
64	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
65	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<
66	MC	1191	1556	0.83	-0.18	-0.03	A	1933	815	3.17	-0.37	-0.07	A	156	2592	0.02	-0.06	-0.01	A	340	2408	4.12	-0.62	-0.11	A
67	MC	1191	1556	0.03	-0.03	0.00	A	1933	815	0.02	0.03	0.00	A	156	2592	5.23	-1.08	-0.19	A	340	2408	0.23	0.15	0.03	A
68	MC	1191	1556	7.54	-0.60	-0.10	A	1933	815	13.76	-0.91	-0.15	A	156	2592	18.63	2.78	0.32	C>	340	2408	39.44	2.39	0.35	C>
69	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<
70	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
71	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
72	MC	1191	1556	2.59	0.30	0.06	A	1933	815	0.02	0.03	0.01	A	156	2592	0.00	0.01	0.00	A	340	2408	0.18	-0.12	-0.03	A
73	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
74	MC	1191	1556	1.02	-0.19	-0.04	A	1933	815	0.01	-0.02	0.00	A	156	2592	1.09	-0.42	-0.08	A	340	2408	4.16	0.57	0.12	A
75	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
76	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
77	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<
78	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>
79	MC	1191	1556	3.21	-0.39	-0.07	A	1933	815	1.87	0.33	0.06	A	156	2592	0.05	-0.11	-0.02	A	340	2408	0.32	-0.20	-0.03	A
80	MC	1191	1556	1.88	0.25	0.05	A	1933	815	86.16	1.87	0.38	C>	156	2592	16.83	-1.64	-0.34	C<	340	2408	25.22	-1.43	-0.29	B<
81	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
82	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
83	ER	1191	1556	30.27		0.15	A	1933	815	31.55		-0.11	A	156	2592	3.06		0.05	A	340	2408	17.30		0.00	A
84	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
85	ER	1191	1556	22.63		0.14	A	1933	815	14.06		-0.07	A	156	2592	3.60		0.04	A	340	2408	9.09		0.04	A
86	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

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.79: DIF Statistics based on ELL Students' Home Languages for Items in Writing 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
51	MC	1267	1481	3.32	-0.35	-0.07	A	1267	308	4.02	-0.63	-0.11	A	1173	308	1.26	-0.36	-0.06	A	16	308	1.16	-1.52	-0.27	A
52	MC	1267	1481	4.69	0.56	0.08	A	1267	308	6.28	1.01	0.14	A	1173	308	2.14	0.60	0.07	A	16	308	0.58	1.43	0.20	A
53	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
54	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
55	MC	1267	1481	2.23	0.44	0.06	A	1267	308	0.82	-0.50	-0.04	A	1173	308	3.10	-0.98	-0.11	A	16	308	1.55		0.31	
56	MC	1267	1481	9.99	-0.62	-0.11	A	1267	308	1.88	-0.45	-0.08	A	1173	308	0.66	0.27	0.03	A	16	308	1.85	1.99	0.34	A
57	MC	1267	1481	1.17	-0.21	-0.03	A	1267	308	0.01	-0.04	-0.02	A	1173	308	0.79	0.28	0.02	A	16	308	0.58	-1.01	-0.19	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	1267	1481	2.12	-0.32	-0.06	A	1267	308	1.57	-0.45	-0.08	A	1173	308	0.24	-0.17	-0.02	A	16	308	0.20	-0.70	-0.11	A
60	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
61	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
62	MC	1267	1481	6.20	0.48	0.09	A	1267	308	7.72	0.90	0.17	A	1173	308	2.76	0.54	0.10	A	16	308	2.44	-2.45	-0.38	A
63	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
64	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
65	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
66	MC	1267	1481	2.78	0.32	0.06	A	1267	308	1.17	0.35	0.07	A	1173	308	0.04	0.06	0.02	A	16	308	0.84	1.09	0.24	A
67	MC	1267	1481	0.16	-0.08	-0.02	A	1267	308	0.28	0.18	0.03	A	1173	308	1.24	0.38	0.07	A	16	308	0.38	-1.00	-0.16	A
68	MC	1267	1481	20.02	-0.97	-0.16	A	1267	308	14.46	-1.49	-0.22	B<	1173	308	2.05	-0.59	-0.09	A	16	308	0.93	1.84	0.24	A
69	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
70	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
71	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
72	MC	1267	1481	0.93	-0.18	-0.03	A	1267	308	0.11	0.10	0.02	A	1173	308	1.42	0.38	0.06	A	16	308	0.95	-1.31	-0.24	A
73	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
74	MC	1267	1481	2.69	0.31	0.06	A	1267	308	1.57	0.39	0.07	A	1173	308	0.08	0.09	0.02	A	16	308	0.30	-0.64	-0.14	A
75	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
76	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
77	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
78	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
79	MC	1267	1481	0.76	0.19	0.04	A	1267	308	0.40	0.23	0.03	A	1173	308	0.00	0.01	0.01	A	16	308	0.58	-1.32	-0.19	A
80	MC	1267	1481	64.14	1.49	0.30	B>	1267	308	14.56	1.16	0.23	B>	1173	308	2.16	-0.45	-0.10	A	16	308	2.81	-2.39	-0.43	A
81	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
82	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
83	ER	1267	1481	40.28		-0.06	A	1267	308	11.19		-0.15	A	1173	308	9.80		-0.10	A	16	308	8.58		0.04	A
84	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
85	ER	1267	1481	13.97		0.01	A	1267	308	9.74		-0.10	A	1173	308	6.56		-0.13	A	16	308	1.51		0.03	A
86	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

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.80: 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
51	MC	1948	2748	0.07	0.04	0.04	A	1	4695	1.10		1.06	
52	MC	1948	2748	0.99	-0.27	-0.01	A	1	4695	0.06		0.18	
53	MC	1853	2482	88.93	1.94	0.26	C>	0	4335				
54	MC	1853	2482	6.36	0.66	0.05	A	0	4335				
55	MC	1948	2748	5.04	0.85	0.04	A	1	4695	0.03		0.09	
56	MC	1948	2748	46.17	1.33	0.17	B>	1	4695	0.22		0.39	
57	MC	1948	2748	0.27	0.09	0.03	A	1	4695	0.92		0.96	
58	MC	1853	2482	17.70	-0.81	-0.10	A	0	4335				
59	MC	1948	2748	0.03	-0.03	0.00	A	1	4695	0.27		-0.50	
60	MC	1853	2482	2.32	0.39	0.03	A	0	4335				
61	MC	1853	2482	2.28	-0.31	-0.02	A	0	4335				
62	MC	1948	2748	5.77	-0.41	-0.08	A	1	4695	0.66		0.80	
63	MC	3801	5230	0.00	-0.01	0.02	A	1	9030	0.25		-0.48	
64	MC	1853	2482	2.17	-0.27	-0.03	A	0	4335				
65	MC	1853	2482	0.65	-0.20	-0.02	A	0	4335				
66	MC	1948	2748	0.14	-0.06	0.02	A	1	4695	0.92		-0.97	
67	MC	1948	2748	3.96	-0.35	-0.06	A	1	4695	0.50		-0.71	
68	MC	1948	2748	143.54	3.70	0.27	C>	1	4695	0.07		0.16	
69	MC	1853	2482	6.35	-0.85	-0.05	A	0	4335				
70	MC	1853	2482	7.84	-0.57	-0.14	A	0	4335				
71	MC	1853	2482	13.28	0.79	0.09	A	0	4335				
72	MC	1948	2748	2.74	0.27	0.08	A	1	4695	0.82		0.90	
73	MC	1853	2482	0.24	-0.09	-0.01	A	0	4335				
74	MC	1948	2748	2.26	-0.25	-0.03	A	1	4695	1.54		-1.23	
75	MC	1853	2482	6.91	0.49	0.07	A	0	4335				
76	MC	1853	2482	2.27	-0.27	-0.01	A	0	4335				
77	MC	1853	2482	31.70	-1.17	-0.20	B<	0	4335				
78	MC	3801	5230	157.70	1.89	0.22	C>	1	9030	0.19		0.36	
79	MC	1948	2748	4.65	0.38	0.08	A	1	4695	1.89		1.43	
80	MC	1948	2748	13.30	-0.60	-0.07	A	1	4695	0.75		0.86	
81	MC	3801	5230	3.22	0.24	0.07	A	1	9030	0.49		-0.70	
82	MC	3801	5230	6.53	-0.39	-0.03	A	1	9030	6.37		-1.91	
83	ER	1948	2748	56.71		0.16	A	1	4695	5.99		1.11	A
84	ER	1853	2482	28.66		0.11	A	0	4335				
85	ER	1948	2748	38.56		0.15	A	1	4695	0.54		-0.19	A
86	ER	1853	2482	34.47		0.12	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, 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 10.81: 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
87	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
88	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
89	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>
90	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
91	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
92	MC	1191	1556	36.35	-1.22	-0.21	B<	1933	815	1.23	-0.24	-0.04	A	156	2592	2.72	0.71	0.12	A	340	2408	32.60	1.69	0.31	C>
93	MC	1191	1556	44.84	-1.28	-0.25	B<	1933	815	2.15	-0.31	-0.05	A	156	2592	14.48	1.66	0.30	C>	340	2408	38.83	1.82	0.35	C>
94	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>
95	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
96	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
97	MC	1191	1556	4.31	-0.58	-0.07	A	1933	815	0.12	-0.11	-0.01	A	156	2592	2.21	1.09	0.10	A	340	2408	2.16	0.63	0.08	A
98	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
99	MC	1191	1556	6.06	-0.51	-0.09	A	1933	815	2.21	-0.34	-0.06	A	156	2592	5.31	1.06	0.17	A	340	2408	5.95	0.75	0.14	A
100	MC	1191	1556	0.50	-0.14	-0.03	A	1933	815	2.22	-0.31	-0.06	A	156	2592	13.06	1.40	0.29	B>	340	2408	2.07	-0.44	-0.08	A
101	MC	1191	1556	0.17	0.08	0.02	A	1933	815	0.56	0.16	0.03	A	156	2592	3.04	0.76	0.13	A	340	2408	7.74	0.83	0.15	A
102	MC	1191	1556	3.63	-0.38	-0.07	A	1933	815	0.23	-0.11	-0.02	A	156	2592	5.29	1.09	0.17	A	340	2408	22.03	1.45	0.26	B>
103	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
104	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
105	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
106	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
107	MC	1191	1556	11.64	-0.68	-0.13	A	1933	815	0.20	0.10	0.02	A	156	2592	5.91	1.15	0.19	A	340	2408	30.59	1.78	0.32	C>
108	MC	1191	1556	11.49	-0.64	-0.13	A	1933	815	0.18	0.09	0.03	A	156	2592	2.13	0.59	0.12	A	340	2408	12.55	1.00	0.20	B>
109	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
110	MC	1191	1556	0.34	-0.11	-0.02	A	1933	815	2.16	-0.30	-0.06	A	156	2592	0.23	0.19	0.04	A	340	2408	8.32	-0.83	-0.17	A
111	MC	1191	1556	3.64	0.35	0.07	A	1933	815	1.29	-0.23	-0.05	A	156	2592	0.46	-0.27	-0.06	A	340	2408	12.16	-1.02	-0.20	B<

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.82: 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	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag
87	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
88	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
89	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
90	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
91	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
92	MC	1267	1481	7.61	-0.55	-0.09	A	1267	308	7.46	-0.88	-0.16	A	1173	308	1.64	-0.43	-0.08	A	16	308	0.08	0.39	0.07	A
93	MC	1267	1481	15.11	-0.73	-0.13	A	1267	308	10.00	-1.00	-0.18	A	1173	308	1.00	-0.32	-0.04	A	16	308	4.37	3.09	0.52	A
94	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
95	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
96	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
97	MC	1267	1481	2.10	0.40	0.05	A	1267	308	0.25	-0.24	-0.06	A	1173	308	2.75	-0.81	-0.13	A	16	308	2.32		0.40	
98	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
99	MC	1267	1481	2.75	-0.34	-0.06	A	1267	308	2.01	-0.48	-0.09	A	1173	308	0.09	-0.10	-0.04	A	16	308	5.10	4.88	0.58	A
100	MC	1267	1481	1.76	-0.26	-0.05	A	1267	308	0.08	-0.09	-0.02	A	1173	308	0.50	0.23	0.05	A	16	308	1.51	-1.96	-0.31	A
101	MC	1267	1481	0.39	0.12	0.02	A	1267	308	0.09	0.10	0.01	A	1173	308	0.02	-0.05	0.01	A	16	308	0.60	0.98	0.19	A
102	MC	1267	1481	5.18	-0.45	-0.07	A	1267	308	1.05	-0.34	-0.05	A	1173	308	0.22	0.16	0.04	A	16	308	0.88	1.22	0.23	A
103	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
104	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
105	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
106	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
107	MC	1267	1481	0.49	0.14	0.02	A	1267	308	0.28	-0.18	-0.03	A	1173	308	0.73	-0.29	-0.06	A	16	308	2.72	2.97	0.42	A
108	MC	1267	1481	2.93	-0.32	-0.06	A	1267	308	5.08	-0.70	-0.14	A	1173	308	2.60	-0.51	-0.11	A	16	308	1.87	1.76	0.34	A
109	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
110	MC	1267	1481	6.72	-0.48	-0.09	A	1267	308	4.88	-0.68	-0.14	A	1173	308	0.63	-0.25	-0.07	A	16	308	2.07	-1.97	-0.36	A
111	MC	1267	1481	0.10	0.06	0.01	A	1267	308	0.51	0.22	0.04	A	1173	308	0.11	0.10	0.02	A	16	308	0.29	0.68	0.13	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MHχ²=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 10.83: 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
87	MC	3801	5230	0.36	0.08	0.03	A	1	9030	1.16		-1.08	
88	MC	1853	2482	49.82	1.51	0.18	C>	0	4335				
89	MC	1853	2482	5.79	0.45	0.07	A	0	4335				
90	MC	1853	2482	0.27	0.10	0.00	A	0	4335				
91	MC	1853	2482	2.20	0.31	0.04	A	0	4335				
92	MC	1948	2748	24.89	0.93	0.13	A	1	4695	0.28		0.46	
93	MC	1948	2748	63.31	1.43	0.22	B>	1	4695	0.34		0.53	
94	MC	1853	2482	27.00	1.16	0.12	B>	0	4335				
95	MC	1853	2482	3.20	0.34	0.05	A	0	4335				
96	MC	3801	5230	15.85	0.48	0.10	A	1	9030	1.69		-1.27	
97	MC	1948	2748	6.76	0.96	0.05	A	1	4695	0.02		0.08	
98	MC	3801	5230	56.90	1.38	0.11	B>	1	9030	0.11		0.25	
99	MC	1948	2748	10.86	0.70	0.05	A	1	4695	0.15		0.30	
100	MC	1948	2748	3.22	0.30	0.08	A	1	4695	0.99		1.00	
101	MC	1948	2748	2.94	0.32	0.07	A	1	4695	0.24		0.42	
102	MC	1948	2748	59.00	1.55	0.21	C>	1	4695	0.18		0.32	
103	MC	1853	2482	3.03	0.33	0.02	A	0	4335				
104	MC	1853	2482	1.24	0.19	0.03	A	0	4335				
105	MC	1853	2482	18.52	0.74	0.14	A	0	4335				
106	MC	1853	2482	0.33	-0.11	-0.01	A	0	4335				
107	MC	1948	2748	36.78	1.26	0.15	B>	1	4695	0.20		0.39	
108	MC	1948	2748	1.45	0.20	0.04	A	1	4695	0.79		0.88	
109	MC	1853	2482	7.38	0.67	0.06	A	0	4335				
110	MC	1948	2748	0.02	0.02	0.00	A	1	4695	0.97		0.99	
111	MC	1948	2748	17.51	-0.69	-0.12	A	1	4695	1.13		1.07	

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 the test form as all items on 2 operational test forms were concurrently analyzed.

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Table 10.84: 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
112	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>
113	SA4	1191	1556	8.39		-0.02	A	1933	815	6.90		0.07	A	156	2592	14.82		0.10	A	340	2408	30.49		0.27	C>
114	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
115	SA4	1191	1556	7.79		-0.01	A	1933	815	10.91		-0.03	A	156	2592	2.64		-0.01	A	340	2408	25.79		0.27	C>
116	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
117	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>
118	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>
119	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>
120	SA4	1191	1556	9.06		0.09	A	1933	815	16.41		0.08	A	156	2592	21.02		-0.28	C<	340	2408	14.45		0.02	A
121	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>
122	SA4	1191	1556	15.20		0.05	A	1933	815	4.83		0.05	A	156	2592	12.22		-0.17	A	340	2408	17.89		0.17	B>
123	SA4	1191	1556	10.91		-0.11	A	1933	815	8.50		0.08	A	156	2592	6.57		0.01	A	340	2408	30.43		0.19	B>
124	SA4	1191	1556	31.89		-0.13	A	1933	815	36.07		-0.19	B<	156	2592	12.13		0.18	A	340	2408	127.51		0.53	C>
125	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, 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 10.85: 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	$MH\chi^2$	ΔMH	SMD	Flag	NF	NR	$MH\chi^2$	ΔMH	SMD	Flag	NF	NR	$MH\chi^2$	ΔMH	SMD	Flag	NF	NR	$MH\chi^2$	ΔMH	SMD	Flag
112	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
113	SA4	1267	1481	7.84		0.00	A	1267	308	2.52		-0.05	A	1173	308	0.49		-0.05	A	16	308	4.84		0.35	A
114	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
115	SA4	1267	1481	22.86		-0.04	A	1267	308	10.33		-0.10	A	1173	308	1.40		-0.07	A	16	308	2.43		0.00	A
116	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>
117	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
118	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
119	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
120	SA4	1267	1481	20.38		0.10	A	1267	308	17.94		0.16	A	1173	308	3.31		0.08	A	16	308	6.53		-0.19	A
121	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
122	SA4	1267	1481	12.05		0.08	A	1267	308	4.20		0.00	A	1173	308	1.54		-0.09	A	16	308	2.52		0.04	A
123	SA4	1267	1481	2.61		0.03	A	1267	308	1.93		0.03	A	1173	308	1.87		0.01	A	16	308	2.66		0.30	A
124	SA4	1267	1481	66.67		-0.21	B<	1267	308	39.44		-0.31	C<	1173	308	6.96		-0.10	A	16	308	2.44		0.17	A
125	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, $MH\chi^2$=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 10.86: 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
112	SA4	3801	5230	157.29		0.20	B>	1	9030			0.43	C>
113	SA4	1948	2748	50.83		0.11	A	1	4695	37.67		1.34	C>
114	SA4	1853	2482	2.48		0.00	A	0	4335				
115	SA4	1948	2748	60.33		0.17	B>	1	4695	0.28		0.03	A
116	SA4	3801	5230	17.18		0.05	A	1	9030	0.36		0.29	A
117	SA4	1853	2482	34.37		0.09	A	0	4335				
118	SA4	1853	2482	44.37		0.12	A	0	4335				
119	SA4	1853	2482	35.94		0.11	A	0	4335				
120	SA4	1948	2748	8.63		0.06	A	1	4695			0.27	C>
121	SA4	1853	2482	70.64		0.16	A	0	4335				
122	SA4	1948	2748	20.91		0.07	A	1	4695	0.15		0.12	A
123	SA4	1948	2748	23.80		0.06	A	1	4695	0.25		0.26	A
124	SA4	1948	2748	188.42		0.25	C>	1	4695	0.26		0.04	A
125	SA4	1853	2482	197.06		0.28	C>	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, 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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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 10.87 through Table 10.282.

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.

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Table 10.87: Logistic Regression DIF Results on Stage I Prereading 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	2431	2715	0.01	0.02	0.898	0.22	0.68	0.410	-0.01	0.67	0.413	
2	MC	4877	5419	0.16	9.47	0.002	0.19	0.85	0.356	0.00	0.02	0.891	Uniform>
3	MC	2446	2704	0.06	1.25	0.263	-0.17	0.60	0.438	0.01	1.21	0.271	
4	MC	2431	2715	-0.04	0.55	0.457	0.02	0.01	0.941	0.00	0.08	0.783	
5	MC	2431	2715	-0.03	0.22	0.641	0.01	0.00	0.951	0.00	0.04	0.848	
6	MC	2446	2704	-0.73	139.46	0.000	-1.06	19.15	0.000	0.01	2.06	0.151	Uniform<
7	MC	2446	2704	-0.15	5.84	0.016	-0.69	6.56	0.010	0.02	4.21	0.040	
8	MC	2446	2704	-0.15	5.91	0.015	0.05	0.04	0.843	-0.01	0.68	0.411	
9	MC	2431	2715	0.08	1.69	0.194	0.20	0.77	0.379	0.00	0.33	0.567	
10	MC	2431	2715	-0.26	17.67	0.000	-0.78	8.71	0.003	0.01	4.08	0.044	Uniform<
11	MC	2431	2715	0.06	0.93	0.334	0.30	1.37	0.241	-0.01	0.92	0.337	
12	MC	4877	5419	0.05	1.10	0.293	-0.22	1.18	0.277	0.01	1.96	0.161	
13	MC	2446	2704	-0.04	0.53	0.465	-0.09	0.15	0.701	0.00	0.04	0.833	
14	MC	2446	2704	0.74	147.48	0.000	1.36	28.17	0.000	-0.02	6.33	0.012	Uniform>
15	MC	2446	2704	0.12	4.17	0.041	-0.36	1.84	0.175	0.01	3.54	0.060	
16	MC	2446	2704	-0.21	11.85	0.001	-0.67	6.83	0.009	0.01	3.39	0.066	Uniform<
17	MC	2446	2704	-0.27	16.31	0.000	-0.62	5.83	0.016	0.01	2.02	0.156	Uniform<
18	MC	2446	2704	0.08	1.99	0.159	0.25	1.25	0.264	0.00	0.60	0.438	
19	MC	2431	2715	-0.34	33.52	0.000	-0.98	16.76	0.000	0.02	7.67	0.006	NonUniform
20	MC	2431	2715	-0.31	25.97	0.000	-1.60	36.36	0.000	0.04	25.03	0.000	NonUniform
21	MC	2446	2704	-0.13	4.23	0.040	0.08	0.12	0.726	-0.01	0.86	0.355	
22	MC	2446	2704	-0.09	1.89	0.170	-0.19	0.40	0.526	0.00	0.12	0.734	
23	MC	2431	2715	0.25	16.47	0.000	0.38	2.13	0.144	0.00	0.29	0.591	Uniform>
24	MC	2431	2715	0.11	3.40	0.065	0.26	1.31	0.252	0.00	0.48	0.488	
25	MC	2431	2715	-0.08	1.73	0.189	0.34	2.17	0.140	-0.01	3.50	0.061	
26	MC	2446	2704	-0.11	2.44	0.119	-0.30	1.32	0.251	0.01	0.55	0.457	
27	MC	2431	2715	-0.25	13.07	0.000	0.08	0.09	0.765	-0.01	1.85	0.174	Uniform<
28	MC	2431	2715	-0.20	11.00	0.001	-0.89	12.31	0.000	0.02	7.82	0.005	NonUniform
29	MC	2446	2704	0.15	6.81	0.009	0.75	10.68	0.001	-0.02	7.22	0.007	NonUniform
30	MC	2431	2715	0.10	1.97	0.161	-0.06	0.04	0.840	0.00	0.27	0.605	
31	MC	4877	5419	-0.16	9.36	0.002	0.08	0.16	0.686	-0.01	1.63	0.201	Uniform<
32	MC	4877	5419	-0.19	20.19	0.000	0.03	0.03	0.853	-0.01	1.86	0.173	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.88: Logistic Regression DIF Results on Stage I Prereading 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	4668	480	-0.19	2.30	0.129	0.19	0.18	0.672	-0.01	0.78	0.377	
2	MC	9299	999	0.15	3.03	0.082	0.52	2.37	0.124	-0.01	1.26	0.262	
3	MC	4631	519	-0.20	4.19	0.041	-0.40	1.43	0.231	0.01	0.41	0.524	
4	MC	4668	480	-0.26	5.91	0.015	0.32	0.68	0.411	-0.02	2.31	0.128	
5	MC	4668	480	-0.19	3.91	0.048	0.86	5.70	0.017	-0.03	9.15	0.002	NonUniform
6	MC	4631	519	0.00	0.00	0.983	-0.39	1.23	0.267	0.01	1.33	0.250	
7	MC	4631	519	0.13	1.47	0.226	0.43	1.01	0.314	-0.01	0.53	0.465	
8	MC	4631	519	0.13	1.53	0.216	0.27	0.46	0.498	0.00	0.13	0.714	
9	MC	4668	480	0.13	1.63	0.202	0.58	2.17	0.141	-0.01	1.42	0.234	
10	MC	4668	480	0.23	4.56	0.033	0.55	1.55	0.213	-0.01	0.58	0.448	
11	MC	4668	480	-0.08	0.57	0.451	-0.34	0.71	0.399	0.01	0.44	0.506	
12	MC	9299	999	-0.38	16.54	0.000	-0.08	0.05	0.818	-0.01	0.85	0.356	Uniform<
13	MC	4631	519	-0.20	3.86	0.049	-0.39	1.10	0.295	0.01	0.28	0.598	
14	MC	4631	519	-0.12	1.39	0.238	-0.81	4.85	0.028	0.02	3.80	0.051	
15	MC	4631	519	-0.11	1.08	0.298	-0.12	0.09	0.762	0.00	0.00	0.968	
16	MC	4631	519	0.20	3.73	0.053	0.36	0.81	0.369	0.00	0.18	0.673	
17	MC	4631	519	0.24	4.69	0.030	0.95	5.11	0.024	-0.02	3.09	0.079	
18	MC	4631	519	-0.21	4.86	0.027	0.02	0.00	0.956	-0.01	0.51	0.477	
19	MC	4668	480	0.11	1.18	0.278	0.24	0.38	0.536	0.00	0.13	0.724	
20	MC	4668	480	0.09	0.69	0.405	0.95	4.24	0.039	-0.02	3.70	0.054	
21	MC	4631	519	-0.16	2.15	0.143	-0.34	0.87	0.350	0.01	0.28	0.599	
22	MC	4631	519	-0.22	3.75	0.053	-1.01	5.33	0.021	0.02	3.48	0.062	
23	MC	4668	480	0.05	0.27	0.602	0.02	0.00	0.960	0.00	0.01	0.938	
24	MC	4668	480	-0.26	6.35	0.012	-0.30	0.68	0.410	0.00	0.02	0.893	
25	MC	4668	480	0.10	1.06	0.303	-0.45	1.54	0.214	0.02	2.52	0.113	
26	MC	4631	519	-0.05	0.17	0.683	0.36	0.81	0.367	-0.01	1.14	0.286	
27	MC	4668	480	-0.22	2.98	0.084	0.43	1.00	0.317	-0.02	2.42	0.120	
28	MC	4668	480	0.09	0.68	0.410	0.04	0.01	0.928	0.00	0.02	0.902	
29	MC	4631	519	0.33	11.34	0.001	1.42	13.07	0.000	-0.03	8.30	0.004	NonUniform
30	MC	4668	480	-0.12	0.97	0.323	-1.19	6.49	0.011	0.03	5.64	0.018	
31	MC	9299	999	0.11	1.69	0.194	-0.24	0.70	0.402	0.01	1.64	0.200	
32	MC	9299	999	-0.08	1.46	0.227	0.73	7.14	0.008	-0.02	9.52	0.002	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 10.89: Logistic Regression DIF Results on Stage I Prereading 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	207	4941	0.21	1.31	0.252	1.02	2.09	0.149	-0.03	1.45	0.228	
2	MC	439	9859	0.08	0.40	0.525	0.46	0.80	0.372	-0.01	0.58	0.447	
3	MC	232	4918	-0.05	0.11	0.743	-0.05	0.01	0.919	0.00	0.00	0.986	
4	MC	207	4941	-0.02	0.01	0.915	-0.74	1.25	0.264	0.02	1.25	0.263	
5	MC	207	4941	0.25	3.07	0.080	0.50	0.75	0.387	-0.01	0.20	0.657	
6	MC	232	4918	0.11	0.61	0.436	-0.19	0.11	0.741	0.01	0.29	0.589	
7	MC	232	4918	-0.03	0.04	0.843	-0.91	1.66	0.198	0.03	1.62	0.203	
8	MC	232	4918	-0.17	1.33	0.248	0.92	2.75	0.097	-0.03	4.16	0.041	
9	MC	207	4941	-0.10	0.48	0.490	0.99	2.80	0.095	-0.03	3.60	0.058	
10	MC	207	4941	-0.04	0.05	0.816	-0.76	1.09	0.297	0.02	1.03	0.309	
11	MC	207	4941	0.10	0.38	0.539	0.63	0.92	0.337	-0.02	0.71	0.401	
12	MC	439	9859	-0.41	12.82	0.000	-1.00	3.49	0.062	0.02	1.24	0.265	Uniform<
13	MC	232	4918	-0.02	0.02	0.893	-0.22	0.14	0.710	0.01	0.12	0.727	
14	MC	232	4918	-0.07	0.23	0.631	-0.73	1.25	0.264	0.02	1.08	0.298	
15	MC	232	4918	-0.22	2.30	0.129	-0.28	0.19	0.665	0.00	0.01	0.929	
16	MC	232	4918	-0.20	1.88	0.170	0.18	0.09	0.760	-0.01	0.44	0.507	
17	MC	232	4918	0.09	0.30	0.585	0.09	0.02	0.886	0.00	0.00	0.996	
18	MC	232	4918	-0.29	4.36	0.037	-0.22	0.17	0.683	0.00	0.02	0.891	
19	MC	207	4941	-0.09	0.34	0.563	0.21	0.11	0.742	-0.01	0.23	0.632	
20	MC	207	4941	0.23	2.38	0.123	-0.16	0.05	0.821	0.01	0.33	0.565	
21	MC	232	4918	0.10	0.43	0.514	0.09	0.02	0.875	0.00	0.00	0.989	
22	MC	232	4918	-0.27	3.05	0.081	1.10	3.01	0.083	-0.04	4.97	0.026	
23	MC	207	4941	-0.16	1.10	0.293	0.20	0.09	0.768	-0.01	0.30	0.586	
24	MC	207	4941	-0.08	0.34	0.561	0.54	0.82	0.364	-0.02	1.18	0.278	
25	MC	207	4941	-0.23	2.43	0.119	0.65	1.20	0.274	-0.03	2.32	0.127	
26	MC	232	4918	-0.21	1.68	0.196	0.39	0.44	0.506	-0.02	1.15	0.284	
27	MC	207	4941	0.03	0.03	0.870	1.28	3.38	0.066	-0.04	3.60	0.058	
28	MC	207	4941	0.07	0.20	0.652	0.81	1.67	0.196	-0.02	1.49	0.222	
29	MC	232	4918	-0.22	2.49	0.115	-0.03	0.00	0.962	-0.01	0.14	0.712	
30	MC	207	4941	-0.36	4.82	0.028	-0.93	1.15	0.284	0.02	0.44	0.505	
31	MC	439	9859	-0.04	0.11	0.739	0.14	0.09	0.765	-0.01	0.16	0.691	
32	MC	439	9859	0.07	0.55	0.460	-0.18	0.18	0.668	0.01	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.90: Logistic Regression DIF Results on Stage I Prereading 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	403	4745	-0.20	2.87	0.090	0.60	2.40	0.122	-0.03	4.83	0.028	
2	MC	809	9489	-0.03	0.08	0.779	-0.46	1.70	0.193	0.01	1.62	0.204	
3	MC	406	4744	0.12	1.26	0.261	0.40	1.20	0.274	-0.01	0.64	0.425	
4	MC	403	4745	-0.06	0.27	0.602	0.36	0.93	0.334	-0.01	1.38	0.241	
5	MC	403	4745	0.25	5.69	0.017	0.19	0.29	0.592	0.00	0.04	0.846	
6	MC	406	4744	0.01	0.01	0.905	-0.10	0.07	0.795	0.00	0.09	0.761	
7	MC	406	4744	0.12	1.14	0.285	1.25	9.44	0.002	-0.04	8.34	0.004	NonUniform
8	MC	406	4744	0.16	1.94	0.164	0.30	0.49	0.483	0.00	0.11	0.736	
9	MC	403	4745	0.00	0.00	0.968	0.05	0.02	0.897	0.00	0.02	0.902	
10	MC	403	4745	-0.06	0.29	0.593	0.23	0.28	0.597	-0.01	0.49	0.486	
11	MC	403	4745	-0.02	0.04	0.849	-1.75	12.44	0.000	0.06	12.77	0.000	NonUniform
12	MC	809	9489	0.05	0.35	0.553	0.02	0.01	0.942	0.00	0.01	0.927	
13	MC	406	4744	0.19	2.93	0.087	0.27	0.44	0.507	0.00	0.04	0.837	
14	MC	406	4744	-0.10	0.71	0.398	0.03	0.01	0.939	0.00	0.10	0.755	
15	MC	406	4744	0.15	1.77	0.184	0.50	1.34	0.247	-0.01	0.70	0.403	
16	MC	406	4744	0.34	8.90	0.003	1.30	11.00	0.001	-0.03	6.56	0.010	Uniform>
17	MC	406	4744	-0.03	0.07	0.795	0.55	1.88	0.170	-0.02	2.30	0.130	
18	MC	406	4744	0.18	2.92	0.088	-0.03	0.01	0.941	0.01	0.35	0.553	
19	MC	403	4745	-0.05	0.19	0.660	0.57	2.24	0.134	-0.02	2.85	0.092	
20	MC	403	4745	0.02	0.02	0.883	0.31	0.53	0.465	-0.01	0.51	0.474	
21	MC	406	4744	0.07	0.37	0.541	0.11	0.08	0.771	0.00	0.01	0.904	
22	MC	406	4744	-0.01	0.00	0.947	-0.42	0.58	0.446	0.01	0.59	0.443	
23	MC	403	4745	-0.12	1.16	0.282	-0.41	0.75	0.388	0.01	0.38	0.535	
24	MC	403	4745	-0.16	2.13	0.145	-0.32	0.69	0.408	0.00	0.19	0.665	
25	MC	403	4745	0.09	0.75	0.386	-0.44	1.26	0.262	0.02	2.00	0.157	
26	MC	406	4744	-0.12	0.97	0.324	0.21	0.28	0.598	-0.01	0.75	0.385	
27	MC	403	4745	0.13	0.96	0.327	0.07	0.03	0.858	0.00	0.02	0.890	
28	MC	403	4745	-0.06	0.33	0.564	0.74	3.59	0.058	-0.02	4.60	0.032	
29	MC	406	4744	-0.15	1.89	0.169	-0.27	0.49	0.485	0.00	0.11	0.742	
30	MC	403	4745	-0.08	0.41	0.523	-0.89	2.29	0.131	0.02	1.99	0.159	
31	MC	809	9489	0.08	0.76	0.382	0.28	0.88	0.349	-0.01	0.50	0.478	
32	MC	809	9489	0.10	1.78	0.182	-0.51	3.09	0.079	0.02	4.83	0.028	

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 10.91: Logistic Regression DIF Results on Stage I Prereading 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	3731	1417	0.06	0.59	0.443	0.08	0.09	0.768	0.00	0.01	0.935	
2	MC	7420	2878	0.05	0.75	0.388	0.53	5.57	0.018	-0.02	4.87	0.027	
3	MC	3689	1461	-0.16	6.12	0.013	-0.29	1.62	0.203	0.00	0.38	0.540	
4	MC	3731	1417	0.03	0.24	0.624	0.52	4.29	0.038	-0.01	4.05	0.044	
5	MC	3731	1417	-0.06	0.79	0.373	0.51	4.91	0.027	-0.02	6.55	0.010	
6	MC	3689	1461	-0.01	0.01	0.915	-0.55	5.12	0.024	0.02	5.40	0.020	
7	MC	3689	1461	-0.08	1.37	0.241	0.17	0.37	0.546	-0.01	0.85	0.355	
8	MC	3689	1461	-0.16	5.45	0.020	0.45	2.71	0.100	-0.02	5.38	0.020	
9	MC	3731	1417	-0.04	0.40	0.527	-0.03	0.02	0.902	0.00	0.00	0.964	
10	MC	3731	1417	0.03	0.17	0.684	0.50	3.03	0.081	-0.01	2.87	0.090	
11	MC	3731	1417	-0.19	6.78	0.009	-0.09	0.11	0.745	0.00	0.14	0.707	Uniform<
12	MC	7420	2878	0.01	0.05	0.821	-0.38	3.30	0.069	0.01	3.82	0.051	
13	MC	3689	1461	-0.07	1.13	0.287	0.06	0.05	0.831	0.00	0.26	0.611	
14	MC	3689	1461	-0.10	2.30	0.129	-0.41	2.41	0.121	0.01	1.45	0.228	
15	MC	3689	1461	-0.11	2.68	0.102	-0.22	0.65	0.420	0.00	0.17	0.679	
16	MC	3689	1461	-0.01	0.02	0.888	0.18	0.46	0.498	-0.01	0.55	0.460	
17	MC	3689	1461	-0.01	0.01	0.909	0.04	0.03	0.874	0.00	0.04	0.844	
18	MC	3689	1461	0.04	0.31	0.576	0.17	0.54	0.463	0.00	0.36	0.546	
19	MC	3731	1417	-0.03	0.26	0.610	0.32	1.61	0.204	-0.01	2.10	0.147	
20	MC	3731	1417	0.01	0.03	0.872	0.39	1.89	0.169	-0.01	1.90	0.168	
21	MC	3689	1461	-0.03	0.13	0.718	0.40	2.55	0.111	-0.01	3.11	0.078	
22	MC	3689	1461	0.04	0.26	0.611	-0.20	0.40	0.527	0.01	0.60	0.439	
23	MC	3731	1417	0.01	0.02	0.892	-0.22	0.60	0.440	0.01	0.69	0.407	
24	MC	3731	1417	-0.14	4.86	0.027	-0.33	1.85	0.173	0.01	0.62	0.429	
25	MC	3731	1417	-0.06	0.74	0.389	-0.13	0.31	0.580	0.00	0.11	0.739	
26	MC	3689	1461	0.03	0.19	0.660	0.19	0.51	0.473	0.00	0.38	0.539	
27	MC	3731	1417	-0.06	0.58	0.447	0.08	0.08	0.771	0.00	0.29	0.591	
28	MC	3731	1417	-0.03	0.26	0.612	-0.04	0.03	0.867	0.00	0.00	0.968	
29	MC	3689	1461	-0.01	0.03	0.874	0.16	0.43	0.514	0.00	0.52	0.469	
30	MC	3731	1417	0.11	2.00	0.157	-0.76	5.33	0.021	0.03	7.36	0.007	NonUniform
31	MC	7420	2878	0.03	0.33	0.564	0.12	0.40	0.529	0.00	0.24	0.627	
32	MC	7420	2878	-0.10	5.19	0.023	0.07	0.17	0.678	0.00	1.12	0.290	

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 10.92: Logistic Regression DIF Results on Stage I Prereading 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	3731	379	0.00	0.00	0.973	0.26	0.22	0.641	-0.01	0.24	0.625	
2	MC	7420	823	-0.08	0.61	0.433	0.31	0.62	0.433	-0.01	1.02	0.313	
3	MC	3689	444	-0.10	0.85	0.356	-0.48	1.70	0.192	0.01	1.19	0.276	
4	MC	3731	379	0.12	1.11	0.293	1.05	4.51	0.034	-0.03	3.72	0.054	
5	MC	3731	379	-0.28	6.27	0.012	0.66	2.22	0.136	-0.03	4.70	0.030	
6	MC	3689	444	-0.02	0.04	0.842	-0.12	0.10	0.758	0.00	0.07	0.791	
7	MC	3689	444	0.08	0.44	0.509	0.00	0.00	0.996	0.00	0.03	0.868	
8	MC	3689	444	-0.20	3.16	0.075	0.24	0.29	0.593	-0.01	1.05	0.305	
9	MC	3731	379	-0.12	1.16	0.281	-0.53	1.38	0.240	0.01	0.88	0.349	
10	MC	3731	379	-0.12	0.96	0.326	0.25	0.23	0.629	-0.01	0.52	0.470	
11	MC	3731	379	-0.42	10.81	0.001	-0.30	0.33	0.565	0.00	0.05	0.823	Uniform<
12	MC	7420	823	0.09	0.90	0.343	-0.28	0.60	0.440	0.01	1.12	0.291	
13	MC	3689	444	0.00	0.00	1.000	-0.06	0.02	0.892	0.00	0.02	0.889	
14	MC	3689	444	-0.05	0.20	0.659	-0.53	1.64	0.201	0.01	1.45	0.229	
15	MC	3689	444	-0.03	0.05	0.816	-0.13	0.08	0.772	0.00	0.06	0.811	
16	MC	3689	444	-0.13	1.29	0.257	0.07	0.03	0.866	-0.01	0.23	0.635	
17	MC	3689	444	-0.02	0.03	0.860	0.30	0.46	0.499	-0.01	0.56	0.455	
18	MC	3689	444	0.15	2.06	0.151	0.02	0.00	0.946	0.00	0.12	0.729	
19	MC	3731	379	-0.07	0.40	0.525	0.63	1.70	0.192	-0.02	2.23	0.135	
20	MC	3731	379	-0.02	0.05	0.831	0.01	0.00	0.978	0.00	0.01	0.937	
21	MC	3689	444	-0.04	0.14	0.711	0.40	0.91	0.340	-0.01	1.20	0.274	
22	MC	3689	444	0.03	0.06	0.809	-0.75	2.45	0.118	0.02	2.82	0.093	
23	MC	3731	379	-0.12	0.99	0.320	-0.46	0.84	0.360	0.01	0.49	0.482	
24	MC	3731	379	-0.05	0.17	0.683	0.00	0.00	0.996	0.00	0.01	0.922	
25	MC	3731	379	-0.02	0.02	0.880	-0.42	0.87	0.350	0.01	0.86	0.354	
26	MC	3689	444	0.10	0.59	0.442	0.63	2.01	0.156	-0.02	1.55	0.213	
27	MC	3731	379	-0.25	2.93	0.087	-0.41	0.53	0.467	0.00	0.09	0.769	
28	MC	3731	379	0.06	0.28	0.595	-0.29	0.35	0.552	0.01	0.55	0.457	
29	MC	3689	444	-0.15	1.95	0.163	-0.26	0.46	0.499	0.00	0.09	0.766	
30	MC	3731	379	0.22	2.79	0.095	0.81	1.43	0.232	-0.02	0.79	0.374	
31	MC	7420	823	0.14	2.34	0.126	0.32	0.82	0.364	-0.01	0.27	0.603	
32	MC	7420	823	-0.13	2.71	0.100	-0.26	0.78	0.378	0.00	0.22	0.640	

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 10.93: Logistic Regression DIF Results on Stage I Prereading 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	1038	379	-0.09	0.33	0.567	0.22	0.14	0.704	-0.01	0.30	0.587	
2	MC	2055	823	-0.18	2.45	0.117	-0.28	0.41	0.522	0.00	0.06	0.809	
3	MC	1017	444	0.09	0.57	0.450	-0.27	0.42	0.515	0.01	0.83	0.364	
4	MC	1038	379	0.14	1.13	0.289	0.66	1.54	0.214	-0.01	1.03	0.311	
5	MC	1038	379	-0.29	5.41	0.020	0.20	0.18	0.669	-0.01	1.13	0.288	
6	MC	1017	444	-0.02	0.02	0.882	0.58	1.77	0.183	-0.02	2.04	0.154	
7	MC	1017	444	0.23	3.13	0.077	-0.26	0.26	0.610	0.01	1.00	0.316	
8	MC	1017	444	-0.06	0.23	0.634	-0.30	0.37	0.541	0.01	0.25	0.615	
9	MC	1038	379	-0.11	0.76	0.382	-0.64	1.72	0.190	0.01	1.26	0.261	
10	MC	1038	379	-0.20	2.16	0.142	-0.32	0.31	0.581	0.00	0.05	0.832	
11	MC	1038	379	-0.32	4.98	0.026	-0.27	0.22	0.638	0.00	0.01	0.929	
12	MC	2055	823	0.10	0.88	0.349	0.12	0.10	0.751	0.00	0.00	0.944	
13	MC	1017	444	0.10	0.69	0.406	-0.16	0.12	0.729	0.01	0.35	0.553	
14	MC	1017	444	0.08	0.38	0.537	-0.18	0.15	0.700	0.01	0.32	0.570	
15	MC	1017	444	0.12	0.97	0.326	0.13	0.07	0.793	0.00	0.00	0.990	
16	MC	1017	444	-0.17	1.81	0.179	-0.16	0.11	0.742	0.00	0.00	0.980	
17	MC	1017	444	-0.02	0.02	0.901	0.36	0.54	0.464	-0.01	0.63	0.426	
18	MC	1017	444	0.16	1.92	0.166	-0.21	0.26	0.612	0.01	0.89	0.345	
19	MC	1038	379	-0.05	0.13	0.714	0.39	0.57	0.450	-0.01	0.76	0.384	
20	MC	1038	379	-0.04	0.12	0.734	-0.49	0.78	0.378	0.01	0.68	0.410	
21	MC	1017	444	-0.03	0.04	0.844	-0.01	0.00	0.983	0.00	0.00	0.971	
22	MC	1017	444	-0.01	0.01	0.922	-0.81	2.18	0.140	0.02	2.25	0.134	
23	MC	1038	379	-0.17	1.79	0.181	-0.32	0.34	0.561	0.00	0.07	0.785	
24	MC	1038	379	0.13	1.07	0.301	0.40	0.67	0.412	-0.01	0.33	0.565	
25	MC	1038	379	0.05	0.17	0.677	-0.37	0.58	0.448	0.01	0.80	0.370	
26	MC	1017	444	0.09	0.42	0.515	0.61	1.56	0.212	-0.02	1.21	0.270	
27	MC	1038	379	-0.25	2.38	0.123	-0.57	0.95	0.329	0.01	0.34	0.560	
28	MC	1038	379	0.13	1.04	0.308	-0.32	0.38	0.538	0.01	0.80	0.370	
29	MC	1017	444	-0.20	2.79	0.095	-0.59	1.92	0.165	0.01	0.90	0.342	
30	MC	1038	379	0.13	0.83	0.361	1.95	7.46	0.006	-0.05	6.76	0.009	NonUniform
31	MC	2055	823	0.16	2.25	0.134	0.24	0.41	0.520	0.00	0.06	0.812	
32	MC	2055	823	-0.03	0.11	0.735	-0.45	1.92	0.166	0.01	1.81	0.179	

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 10.94: Logistic Regression DIF Results on Stage I Prereading 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	18	379	0.21	0.10	0.748	2.94	0.97	0.324	-0.08	0.96	0.328	1
2	MC	40	823	-0.14	0.11	0.745	-0.97	0.19	0.660	0.03	0.14	0.705	2
3	MC	22	444	0.37	0.65	0.421	1.37	0.56	0.453	-0.03	0.33	0.568	3
4	MC	18	379	0.84	1.97	0.161	1.52	0.32	0.574	-0.02	0.07	0.794	4
5	MC	18	379	0.24	0.22	0.637	0.36	0.02	0.879	0.00	0.00	0.959	5
6	MC	22	444	-0.10	0.05	0.829	-2.74	1.41	0.236	0.07	1.33	0.249	6
7	MC	22	444	-0.04	0.01	0.934	-3.51	1.58	0.208	0.10	1.55	0.213	7
8	MC	22	444	0.06	0.01	0.904	-0.22	0.01	0.918	0.01	0.02	0.893	8
9	MC	18	379	0.03	0.00	0.948	-1.13	0.22	0.641	0.03	0.24	0.625	9
10	MC	18	379	-0.87	2.72	0.099	-0.75	0.08	0.776	0.00	0.00	0.964	10
11	MC	18	379	-0.98	3.55	0.060	-0.14	0.00	0.953	-0.02	0.13	0.720	11
12	MC	40	823	0.55	1.35	0.245	1.63	0.67	0.412	-0.03	0.33	0.568	12
13	MC	22	444	0.29	0.36	0.548	-2.15	0.83	0.361	0.07	1.08	0.299	13
14	MC	22	444	0.03	0.01	0.940	0.94	0.26	0.611	-0.02	0.25	0.615	14
15	MC	22	444	0.11	0.06	0.811	-3.62	1.74	0.187	0.10	1.89	0.170	15
16	MC	22	444	0.85	2.38	0.123	-4.13	0.97	0.325	0.16	1.30	0.254	16
17	MC	22	444	-0.05	0.01	0.919	-3.29	1.09	0.295	0.10	1.02	0.313	17
18	MC	22	444	-0.32	0.51	0.477	-3.03	1.99	0.159	0.07	1.70	0.193	18
19	MC	18	379	0.11	0.05	0.821	-3.30	1.15	0.284	0.09	1.28	0.258	19
20	MC	18	379	-0.08	0.02	0.881	-2.89	0.90	0.342	0.08	0.88	0.347	20
21	MC	22	444	0.69	1.38	0.240	-1.05	0.14	0.709	0.05	0.38	0.540	21
22	MC	22	444	-0.40	0.64	0.424	-1.51	0.42	0.516	0.03	0.24	0.625	22
23	MC	18	379	0.07	0.02	0.885	-1.60	0.34	0.560	0.05	0.39	0.535	23
24	MC	18	379	0.61	1.23	0.267	3.19	1.57	0.210	-0.07	1.14	0.286	24
25	MC	18	379	0.36	0.48	0.488	-0.05	0.00	0.984	0.01	0.03	0.864	25
26	MC	22	444	-0.14	0.06	0.799	1.23	0.33	0.563	-0.04	0.46	0.496	26
27	MC	18	379	-0.98	3.45	0.063	-3.85	2.02	0.155	0.08	1.13	0.288	27
28	MC	18	379	-0.56	1.23	0.267	0.56	0.06	0.812	-0.03	0.24	0.626	28
29	MC	22	444	0.00	0.00	0.993	-9.23	3.84	0.050	0.28	3.48	0.062	29
30	MC	18	379	-0.15	0.07	0.797	-7.56	1.68	0.195	0.21	1.63	0.202	30
31	MC	40	823	-0.50	1.71	0.191	-0.11	0.00	0.945	-0.01	0.06	0.805	31
32	MC	40	823	0.36	1.06	0.304	-0.64	0.17	0.681	0.03	0.43	0.513	32

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 10.95: Logistic Regression DIF Results on Stage I Prereading 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	5836	5148	0.29	19.78	0.000	-0.78	8.81	0.003	0.03	17.41	0.000	NonUniform
2	MC	11463	10298	0.18	13.20	0.000	0.07	0.11	0.737	0.00	0.33	0.565	Uniform>
3	MC	5627	5150	-0.10	4.79	0.029	-2.47	137.61	0.000	0.06	134.86	0.000	NonUniform
4	MC	5836	5148	0.11	4.91	0.027	-1.11	28.33	0.000	0.03	36.13	0.000	NonUniform
5	MC	5836	5148	0.08	3.18	0.075	-1.72	85.27	0.000	0.04	99.10	0.000	NonUniform
6	MC	5627	5150	0.20	16.02	0.000	-1.19	29.56	0.000	0.03	42.55	0.000	NonUniform
7	MC	5627	5150	0.03	0.27	0.601	-1.02	17.80	0.000	0.03	19.78	0.000	NonUniform
8	MC	5627	5150	0.09	3.06	0.080	-1.28	29.10	0.000	0.03	35.32	0.000	NonUniform
9	MC	5836	5148	0.00	0.01	0.925	-1.20	36.08	0.000	0.03	37.97	0.000	NonUniform
10	MC	5836	5148	0.28	32.34	0.000	0.14	0.40	0.527	0.00	0.44	0.509	Uniform>
11	MC	5836	5148	0.10	3.74	0.053	-0.19	0.71	0.399	0.01	1.78	0.182	
12	MC	11463	10298	-0.48	117.98	0.000	-1.36	53.98	0.000	0.02	23.91	0.000	NonUniform
13	MC	5627	5150	0.05	0.86	0.354	-0.87	16.04	0.000	0.02	18.74	0.000	NonUniform
14	MC	5627	5150	-0.11	5.65	0.017	-2.26	95.27	0.000	0.05	91.08	0.000	NonUniform
15	MC	5627	5150	0.08	2.71	0.100	-1.61	45.99	0.000	0.04	53.35	0.000	NonUniform
16	MC	5627	5150	0.12	5.62	0.018	-1.38	34.59	0.000	0.04	43.11	0.000	NonUniform
17	MC	5627	5150	0.21	12.88	0.000	-0.84	11.22	0.001	0.03	18.70	0.000	NonUniform
18	MC	5627	5150	0.04	0.83	0.362	-0.83	18.16	0.000	0.02	21.25	0.000	NonUniform
19	MC	5836	5148	-0.03	0.58	0.446	-2.21	111.15	0.000	0.05	114.37	0.000	NonUniform
20	MC	5836	5148	-0.03	0.39	0.534	-1.49	43.53	0.000	0.04	44.11	0.000	NonUniform
21	MC	5627	5150	0.05	0.88	0.347	-0.32	2.15	0.143	0.01	3.05	0.081	
22	MC	5627	5150	-0.15	7.31	0.007	-1.04	15.19	0.000	0.02	11.69	0.001	NonUniform
23	MC	5836	5148	-0.03	0.52	0.470	-0.61	7.76	0.005	0.01	7.27	0.007	NonUniform
24	MC	5836	5148	-0.14	9.62	0.002	-1.21	37.60	0.000	0.03	31.06	0.000	NonUniform
25	MC	5836	5148	-0.27	35.70	0.000	-0.75	15.11	0.000	0.01	6.52	0.011	Uniform<
26	MC	5627	5150	0.22	10.88	0.001	-1.12	18.35	0.000	0.04	27.79	0.000	NonUniform
27	MC	5836	5148	-0.02	0.07	0.789	-0.30	1.80	0.179	0.01	1.74	0.188	
28	MC	5836	5148	-0.01	0.02	0.881	-1.52	46.78	0.000	0.04	48.97	0.000	NonUniform
29	MC	5627	5150	-0.22	21.03	0.000	-0.89	19.47	0.000	0.02	11.85	0.001	NonUniform
30	MC	5836	5148	-0.25	19.77	0.000	-0.91	11.27	0.001	0.02	6.22	0.013	Uniform<
31	MC	11463	10298	0.16	11.37	0.001	-0.43	5.36	0.021	0.02	10.63	0.001	NonUniform
32	MC	11463	10298	0.22	44.00	0.000	-0.35	6.27	0.012	0.01	17.18	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, 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 10.96: Logistic Regression DIF Results on Stage I Prewriting 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	2431	2715	0.13	5.94	0.015	0.53	5.87	0.015	-0.01	3.49	0.062	
34	SA2	4877	5419	0.33	62.96	0.000	0.33	3.82	0.051	0.00	0.00	0.966	Uniform>
35	SA2	2446	2704	0.03	0.39	0.535	0.24	0.94	0.333	-0.01	0.71	0.398	
36	SA1	2446	2704	-0.06	0.91	0.340	0.30	1.36	0.244	-0.01	2.06	0.151	
37	SA1	2431	2715	0.03	0.27	0.606	-0.02	0.01	0.939	0.00	0.04	0.837	
38	SA1	2446	2704	0.02	0.10	0.757	0.16	0.40	0.529	0.00	0.33	0.567	
39	SA3	2446	2704	0.16	7.14	0.008	-0.44	2.71	0.100	0.02	5.21	0.022	Uniform>
40	SA3	2431	2715	0.06	0.98	0.322	0.31	1.34	0.247	-0.01	0.93	0.334	
41	SA2	2446	2704	0.19	11.10	0.001	0.36	2.85	0.091	0.00	0.70	0.403	Uniform>
42	SA2	2431	2715	0.21	11.44	0.001	-0.19	0.42	0.519	0.01	1.95	0.162	Uniform>
43	SA3	4877	5419	0.11	7.49	0.006	-0.06	0.12	0.729	0.00	0.96	0.326	Uniform>
44	SA2	2431	2715	0.34	30.15	0.000	0.29	1.30	0.254	0.00	0.04	0.832	Uniform>
45	SA2	2446	2704	0.38	36.86	0.000	0.28	1.24	0.265	0.00	0.17	0.680	Uniform>
46	SA2	2431	2715	0.13	4.95	0.026	-0.35	1.96	0.162	0.01	3.79	0.052	
47	SA1	2431	2715	0.02	0.16	0.693	0.47	3.61	0.057	-0.01	3.46	0.063	
48	SA2	2446	2704	0.06	0.99	0.320	-0.06	0.05	0.823	0.00	0.21	0.649	

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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.97: Logistic Regression DIF Results on Stage I Prewriting 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	4668	480	0.10	1.19	0.276	0.31	0.74	0.390	-0.01	0.36	0.549	
34	SA2	9299	999	-0.02	0.11	0.743	0.39	2.15	0.143	-0.01	2.57	0.109	
35	SA2	4631	519	-0.21	5.16	0.023	-0.06	0.03	0.870	0.00	0.16	0.686	
36	SA1	4631	519	-0.08	0.63	0.429	0.13	0.10	0.752	-0.01	0.28	0.594	
37	SA1	4668	480	0.28	6.98	0.008	-0.42	1.07	0.302	0.02	3.11	0.078	Uniform>
38	SA1	4631	519	0.10	1.03	0.310	0.40	1.03	0.310	-0.01	0.62	0.433	
39	SA3	4631	519	-0.16	2.59	0.107	-0.27	0.44	0.508	0.00	0.09	0.770	
40	SA3	4668	480	-0.01	0.02	0.889	-1.02	5.81	0.016	0.03	5.88	0.015	
41	SA2	4631	519	-0.25	6.72	0.010	-0.52	2.52	0.112	0.01	0.73	0.394	Uniform<
42	SA2	4668	480	-0.10	0.89	0.345	-0.52	1.25	0.264	0.01	0.86	0.354	
43	SA3	9299	999	-0.15	4.81	0.028	-0.75	7.47	0.006	0.02	5.07	0.024	
44	SA2	4668	480	0.01	0.01	0.940	0.16	0.15	0.699	0.00	0.14	0.704	
45	SA2	4631	519	0.01	0.00	0.950	-0.09	0.06	0.811	0.00	0.07	0.791	
46	SA2	4668	480	-0.09	0.76	0.382	-0.27	0.43	0.510	0.01	0.21	0.647	
47	SA1	4668	480	0.10	1.02	0.311	-0.34	0.75	0.387	0.01	1.37	0.241	
48	SA2	4631	519	-0.15	2.08	0.149	-0.34	0.65	0.422	0.00	0.22	0.641	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.98: Logistic Regression DIF Results on Stage I Prewriting 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	207	4941	0.10	0.58	0.446	-1.38	4.55	0.033	0.04	5.50	0.019	
34	SA2	439	9859	0.15	2.08	0.149	-0.08	0.03	0.854	0.01	0.30	0.583	
35	SA2	232	4918	-0.14	1.01	0.314	-0.58	0.92	0.338	0.01	0.57	0.452	
36	SA1	232	4918	-0.08	0.29	0.587	0.10	0.03	0.869	0.00	0.09	0.759	
37	SA1	207	4941	-0.40	6.02	0.014	0.97	2.13	0.145	-0.04	4.36	0.037	
38	SA1	232	4918	0.10	0.47	0.491	0.30	0.27	0.605	-0.01	0.13	0.721	
39	SA3	232	4918	0.01	0.01	0.924	-0.15	0.06	0.812	0.00	0.07	0.790	
40	SA3	207	4941	-0.28	3.44	0.064	0.54	0.58	0.445	-0.02	1.40	0.236	
41	SA2	232	4918	0.35	6.54	0.011	-0.14	0.06	0.800	0.01	0.85	0.357	
42	SA2	207	4941	-0.34	4.39	0.036	-1.98	4.84	0.028	0.04	3.50	0.061	
43	SA3	439	9859	-0.10	1.09	0.297	0.33	0.56	0.455	-0.01	1.02	0.312	
44	SA2	207	4941	-0.23	1.98	0.159	-0.23	0.12	0.733	0.00	0.00	0.999	
45	SA2	232	4918	0.27	3.24	0.072	1.30	4.85	0.028	-0.03	3.24	0.072	
46	SA2	207	4941	-0.07	0.24	0.624	-0.89	1.64	0.200	0.02	1.45	0.229	
47	SA1	207	4941	0.04	0.08	0.774	-0.08	0.01	0.903	0.00	0.04	0.848	
48	SA2	232	4918	0.24	2.75	0.097	-0.24	0.13	0.714	0.01	0.58	0.446	

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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.99: Logistic Regression DIF Results on Stage I Prewriting 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	403	4745	0.01	0.01	0.929	-0.53	1.97	0.161	0.02	2.18	0.140	
34	SA2	809	9489	-0.16	4.30	0.038	-1.06	15.17	0.000	0.03	11.71	0.001	NonUniform
35	SA2	406	4744	-0.12	1.20	0.274	-1.07	5.07	0.024	0.03	4.23	0.040	
36	SA1	406	4744	0.09	0.57	0.451	0.11	0.07	0.792	0.00	0.00	0.952	
37	SA1	403	4745	-0.03	0.05	0.822	-0.21	0.22	0.638	0.01	0.18	0.670	
38	SA1	406	4744	0.20	3.23	0.072	0.37	0.83	0.362	-0.01	0.19	0.662	
39	SA3	406	4744	-0.05	0.15	0.697	0.06	0.02	0.895	0.00	0.05	0.817	
40	SA3	403	4745	0.05	0.20	0.651	0.66	1.94	0.164	-0.02	1.72	0.189	
41	SA2	406	4744	-0.11	1.26	0.263	-0.60	2.72	0.099	0.02	1.89	0.169	
42	SA2	403	4745	-0.21	2.84	0.092	0.63	1.42	0.233	-0.02	2.62	0.105	
43	SA3	809	9489	-0.10	1.67	0.197	0.39	1.50	0.221	-0.01	2.48	0.115	
44	SA2	403	4745	0.05	0.20	0.657	-0.74	3.31	0.069	0.02	4.10	0.043	
45	SA2	406	4744	-0.24	3.77	0.052	-1.75	19.54	0.000	0.05	15.74	0.000	NonUniform
46	SA2	403	4745	-0.15	1.97	0.160	-0.18	0.18	0.672	0.00	0.01	0.938	
47	SA1	403	4745	0.01	0.00	0.964	-0.27	0.40	0.528	0.01	0.45	0.505	
48	SA2	406	4744	0.13	1.16	0.282	0.05	0.01	0.917	0.00	0.03	0.874	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.100: Logistic Regression DIF Results on Stage I Prewriting 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	3731	1417	0.21	11.88	0.001	0.85	12.47	0.000	-0.02	7.50	0.006	NonUniform
34	SA2	7420	2878	0.06	1.76	0.185	0.52	8.73	0.003	-0.01	7.23	0.007	NonUniform
35	SA2	3689	1461	-0.02	0.10	0.757	0.07	0.08	0.781	0.00	0.13	0.718	
36	SA1	3689	1461	0.02	0.10	0.757	0.33	1.46	0.226	-0.01	1.37	0.242	
37	SA1	3731	1417	0.06	0.91	0.341	-0.10	0.13	0.715	0.00	0.39	0.534	
38	SA1	3689	1461	0.08	1.32	0.251	0.67	6.33	0.012	-0.02	5.31	0.021	
39	SA3	3689	1461	0.05	0.60	0.439	-0.11	0.14	0.709	0.00	0.32	0.572	
40	SA3	3731	1417	0.18	7.74	0.005	-0.43	2.23	0.136	0.02	4.73	0.030	Uniform>
41	SA2	3689	1461	-0.04	0.49	0.484	0.18	0.64	0.423	-0.01	1.05	0.305	
42	SA2	3731	1417	-0.02	0.11	0.735	-0.67	4.69	0.030	0.02	4.59	0.032	
43	SA3	7420	2878	0.09	4.25	0.039	-0.32	2.84	0.092	0.01	4.95	0.026	
44	SA2	3731	1417	0.03	0.25	0.614	0.42	2.50	0.114	-0.01	2.25	0.134	
45	SA2	3689	1461	0.02	0.08	0.776	-0.03	0.02	0.897	0.00	0.05	0.832	
46	SA2	3731	1417	0.18	7.50	0.006	-0.03	0.01	0.922	0.01	0.60	0.440	Uniform>
47	SA1	3731	1417	0.10	2.25	0.134	-0.18	0.49	0.486	0.01	1.25	0.263	
48	SA2	3689	1461	-0.04	0.35	0.556	-0.19	0.40	0.527	0.00	0.26	0.611	

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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.101: Logistic Regression DIF Results on Stage I Prewriting 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	3731	379	0.27	6.98	0.008	1.02	5.12	0.024	-0.02	2.86	0.091	Uniform>
34	SA2	7420	823	-0.15	3.43	0.064	0.21	0.45	0.502	-0.01	1.37	0.242	
35	SA2	3689	444	-0.06	0.34	0.559	-0.71	3.17	0.075	0.02	2.81	0.094	
36	SA1	3689	444	0.06	0.32	0.570	0.50	1.25	0.264	-0.01	1.03	0.311	
37	SA1	3731	379	0.18	2.37	0.124	-0.60	1.54	0.214	0.02	2.74	0.098	
38	SA1	3689	444	0.09	0.64	0.424	0.48	1.28	0.258	-0.01	0.93	0.336	
39	SA3	3689	444	-0.19	3.13	0.077	-0.49	1.24	0.265	0.01	0.50	0.477	
40	SA3	3731	379	0.16	1.96	0.162	0.50	0.89	0.345	-0.01	0.44	0.508	
41	SA2	3689	444	-0.06	0.33	0.564	0.11	0.10	0.754	0.00	0.24	0.625	
42	SA2	3731	379	0.17	1.96	0.161	0.25	0.19	0.662	0.00	0.02	0.882	
43	SA3	7420	823	0.09	1.51	0.220	-0.12	0.13	0.716	0.01	0.44	0.507	
44	SA2	3731	379	0.10	0.66	0.417	0.78	2.34	0.126	-0.02	1.88	0.170	
45	SA2	3689	444	-0.15	1.72	0.190	0.23	0.29	0.592	-0.01	0.84	0.361	
46	SA2	3731	379	0.22	4.07	0.044	0.24	0.22	0.636	0.00	0.00	0.977	
47	SA1	3731	379	0.10	0.76	0.383	0.32	0.40	0.527	-0.01	0.20	0.656	
48	SA2	3689	444	-0.11	1.06	0.304	-0.30	0.42	0.519	0.00	0.17	0.682	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.102: Logistic Regression DIF Results on Stage I Prewriting 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	1038	379	0.11	0.82	0.366	0.21	0.19	0.665	0.00	0.05	0.825	
34	SA2	2055	823	-0.28	9.94	0.002	-0.35	1.13	0.288	0.00	0.05	0.820	Uniform<
35	SA2	1017	444	-0.06	0.27	0.606	-1.15	6.39	0.011	0.03	6.06	0.014	
36	SA1	1017	444	0.06	0.24	0.627	0.24	0.24	0.624	0.00	0.14	0.705	
37	SA1	1038	379	0.16	1.44	0.231	-0.66	1.56	0.212	0.02	2.53	0.112	
38	SA1	1017	444	0.01	0.01	0.912	-0.27	0.30	0.582	0.01	0.36	0.549	
39	SA3	1017	444	-0.34	8.12	0.004	-0.57	1.31	0.252	0.01	0.23	0.633	Uniform<
40	SA3	1038	379	-0.04	0.10	0.750	1.26	4.74	0.030	-0.03	5.35	0.021	
41	SA2	1017	444	-0.02	0.04	0.845	-0.09	0.05	0.822	0.00	0.03	0.861	
42	SA2	1038	379	0.25	3.56	0.059	1.17	3.65	0.056	-0.02	2.40	0.121	
43	SA3	2055	823	0.00	0.00	0.957	0.28	0.62	0.432	-0.01	0.67	0.412	
44	SA2	1038	379	0.09	0.52	0.472	0.44	0.68	0.410	-0.01	0.44	0.506	
45	SA2	1017	444	-0.23	3.40	0.065	0.36	0.62	0.432	-0.02	1.82	0.178	
46	SA2	1038	379	0.06	0.24	0.623	0.35	0.42	0.517	-0.01	0.30	0.584	
47	SA1	1038	379	-0.01	0.00	0.960	0.64	1.39	0.238	-0.02	1.50	0.220	
48	SA2	1017	444	-0.11	0.75	0.388	-0.16	0.09	0.760	0.00	0.01	0.921	

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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.103: Logistic Regression DIF Results on Stage I Prewriting 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	18	379	0.22	0.22	0.636	0.52	0.06	0.814	-0.01	0.02	0.893	
34	SA2	40	823	0.18	0.26	0.608	0.63	0.17	0.677	-0.01	0.09	0.762	
35	SA2	22	444	-0.37	0.74	0.389	-0.59	0.11	0.743	0.01	0.02	0.899	
36	SA1	22	444	0.28	0.35	0.552	1.00	0.28	0.599	-0.02	0.15	0.696	
37	SA1	18	379	-0.68	1.35	0.246	3.41	1.57	0.210	-0.11	2.13	0.144	
38	SA1	22	444	0.45	0.86	0.354	1.82	0.94	0.332	-0.04	0.58	0.445	
39	SA3	22	444	-0.86	3.15	0.076	-1.05	0.21	0.643	0.00	0.01	0.932	
40	SA3	18	379	0.38	0.59	0.442	2.85	1.59	0.207	-0.06	1.23	0.266	
41	SA2	22	444	0.61	1.58	0.208	-1.74	0.53	0.467	0.07	0.94	0.332	
42	SA2	18	379	0.55	1.13	0.287	-1.73	0.37	0.541	0.06	0.68	0.408	
43	SA3	40	823	-0.14	0.18	0.671	-0.04	0.00	0.978	0.00	0.00	0.946	
44	SA2	18	379	0.93	3.19	0.074	2.10	0.76	0.384	-0.03	0.25	0.618	
45	SA2	22	444	-0.42	0.68	0.409	1.48	0.48	0.489	-0.05	0.82	0.365	
46	SA2	18	379	-0.33	0.46	0.497	-0.85	0.12	0.729	0.01	0.05	0.831	
47	SA1	18	379	-0.33	0.41	0.523	0.29	0.01	0.905	-0.02	0.07	0.795	
48	SA2	22	444	-0.20	0.17	0.676	1.01	0.27	0.606	-0.03	0.40	0.526	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.104: Logistic Regression DIF Results on Stage I Prewriting 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
33	SA2	5836	5148	-0.30	50.14	0.000	-0.42	5.17	0.023	0.00	0.41	0.524	Uniform<
34	SA2	11463	10298	-0.36	122.54	0.000	-0.36	6.25	0.012	0.00	0.00	0.952	Uniform<
35	SA2	5627	5150	-0.26	35.74	0.000	-0.73	12.79	0.000	0.01	5.53	0.019	Uniform<
36	SA1	5627	5150	-0.24	26.52	0.000	-2.17	89.28	0.000	0.04	74.76	0.000	NonUniform
37	SA1	5836	5148	-0.16	11.71	0.001	-1.27	36.47	0.000	0.03	29.69	0.000	NonUniform
38	SA1	5627	5150	-0.11	5.27	0.022	-0.07	0.11	0.742	0.00	0.04	0.843	
39	SA3	5627	5150	-0.54	148.83	0.000	-2.77	151.44	0.000	0.05	102.84	0.000	NonUniform
40	SA3	5836	5148	-0.43	97.28	0.000	-1.74	68.32	0.000	0.03	40.70	0.000	NonUniform
41	SA2	5627	5150	-0.04	0.92	0.337	-0.18	0.89	0.347	0.00	0.53	0.466	
42	SA2	5836	5148	-0.30	42.83	0.000	-2.10	86.27	0.000	0.04	66.61	0.000	NonUniform
43	SA3	11463	10298	-0.46	234.96	0.000	-2.37	260.92	0.000	0.04	177.72	0.000	NonUniform
44	SA2	5836	5148	-0.47	98.48	0.000	-0.25	1.31	0.253	-0.01	1.15	0.285	Uniform<
45	SA2	5627	5150	-0.49	104.62	0.000	-0.48	4.78	0.029	0.00	0.01	0.941	Uniform<
46	SA2	5836	5148	-0.33	51.86	0.000	0.18	0.80	0.372	-0.01	6.41	0.011	Uniform<
47	SA1	5836	5148	-0.15	10.83	0.001	0.29	2.12	0.145	-0.01	5.20	0.023	Uniform<
48	SA2	5627	5150	-0.27	32.92	0.000	-2.50	119.80	0.000	0.05	100.28	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.105: 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
49	MC	2446	2704	-0.18	8.24	0.004	-0.48	3.60	0.058	0.01	1.52	0.217	Uniform<
50	MC	2431	2715	0.04	0.41	0.524	0.00	0.00	0.989	0.00	0.02	0.884	
51	MC	2431	2715	0.07	1.01	0.314	0.22	0.67	0.412	0.00	0.35	0.554	
52	MC	2431	2715	0.15	4.69	0.030	-0.36	1.64	0.200	0.02	3.49	0.062	
53	MC	2431	2715	-0.03	0.24	0.621	-0.73	10.32	0.001	0.02	10.20	0.001	NonUniform
54	MC	2431	2715	-0.05	0.68	0.411	-0.11	0.19	0.659	0.00	0.05	0.817	
55	MC	2431	2715	-0.13	3.76	0.053	-0.05	0.03	0.860	0.00	0.12	0.730	
56	MC	4877	5419	0.16	14.86	0.000	0.39	5.69	0.017	-0.01	2.14	0.144	Uniform>
57	MC	2446	2704	-0.02	0.13	0.719	-0.78	10.92	0.001	0.02	11.04	0.001	NonUniform
58	MC	2446	2704	-0.03	0.23	0.633	-0.61	6.39	0.011	0.02	6.20	0.013	
59	MC	2446	2704	0.06	0.78	0.377	-0.15	0.39	0.535	0.01	0.81	0.369	
60	MC	2431	2715	-0.04	0.42	0.518	0.10	0.20	0.654	0.00	0.41	0.523	
61	MC	4877	5419	-0.09	4.77	0.029	-0.18	1.03	0.311	0.00	0.26	0.609	
62	MC	2431	2715	-0.02	0.12	0.734	0.17	0.44	0.506	-0.01	0.62	0.430	
63	MC	2446	2704	-0.04	0.44	0.507	-0.17	0.39	0.533	0.00	0.23	0.632	
64	MC	2446	2704	0.15	5.18	0.023	0.10	0.16	0.692	0.00	0.04	0.843	
65	MC	2431	2715	0.15	5.14	0.023	0.28	0.92	0.338	0.00	0.21	0.650	
66	MC	2446	2704	-0.12	3.10	0.078	-0.21	0.69	0.405	0.00	0.14	0.704	
67	MC	2446	2704	0.23	12.87	0.000	0.21	0.77	0.380	0.00	0.00	0.961	Uniform>
68	MC	2446	2704	0.17	5.78	0.016	0.44	3.13	0.077	-0.01	1.33	0.249	
69	MC	4877	5419	0.17	18.07	0.000	-0.24	2.42	0.120	0.01	7.49	0.006	NonUniform
70	MC	2431	2715	-0.04	0.45	0.503	-0.13	0.29	0.592	0.00	0.14	0.708	
71	MC	2446	2704	-0.22	12.79	0.000	-0.24	0.87	0.352	0.00	0.01	0.933	Uniform<
72	MC	4877	5419	-0.16	12.29	0.000	-0.16	0.83	0.363	0.00	0.00	0.992	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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.106: 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
49	MC	4631	519	0.13	1.63	0.202	1.58	12.38	0.000	-0.04	11.01	0.001	NonUniform
50	MC	4668	480	0.02	0.02	0.882	0.66	2.41	0.120	-0.02	2.45	0.117	
51	MC	4668	480	0.18	2.60	0.107	0.62	1.79	0.181	-0.01	0.95	0.331	
52	MC	4668	480	-0.07	0.36	0.551	-0.83	3.87	0.049	0.02	3.55	0.060	
53	MC	4668	480	-0.08	0.65	0.422	-0.11	0.10	0.753	0.00	0.01	0.919	
54	MC	4668	480	-0.27	5.33	0.021	-0.61	2.29	0.130	0.01	0.78	0.377	
55	MC	4668	480	-0.25	4.36	0.037	0.48	1.12	0.289	-0.02	2.78	0.096	
56	MC	9299	999	0.17	6.31	0.012	0.53	3.88	0.049	-0.01	1.88	0.171	
57	MC	4631	519	-0.18	3.31	0.069	-0.42	1.40	0.236	0.01	0.49	0.483	
58	MC	4631	519	0.13	1.59	0.207	0.01	0.00	0.984	0.00	0.11	0.740	
59	MC	4631	519	0.14	1.59	0.207	-0.33	0.84	0.358	0.01	1.89	0.169	
60	MC	4668	480	-0.11	1.08	0.299	-0.09	0.05	0.815	0.00	0.00	0.956	
61	MC	9299	999	-0.03	0.13	0.717	-0.14	0.25	0.620	0.00	0.17	0.677	
62	MC	4668	480	0.03	0.06	0.811	0.09	0.05	0.827	0.00	0.02	0.876	
63	MC	4631	519	0.07	0.45	0.504	-0.40	0.98	0.322	0.01	1.47	0.226	
64	MC	4631	519	0.24	5.19	0.023	0.36	0.88	0.348	0.00	0.11	0.740	
65	MC	4668	480	0.36	10.46	0.001	0.14	0.09	0.765	0.01	0.23	0.632	Uniform>
66	MC	4631	519	-0.05	0.20	0.653	-0.25	0.42	0.517	0.01	0.29	0.588	
67	MC	4631	519	0.11	1.14	0.286	0.24	0.39	0.531	0.00	0.12	0.729	
68	MC	4631	519	0.18	2.61	0.106	0.19	0.26	0.612	0.00	0.00	0.975	
69	MC	9299	999	0.01	0.01	0.935	-0.38	2.39	0.122	0.01	2.67	0.102	
70	MC	4668	480	0.08	0.50	0.480	-0.57	2.21	0.137	0.02	3.12	0.077	
71	MC	4631	519	-0.39	14.95	0.000	0.37	0.82	0.364	-0.02	3.71	0.054	Uniform<
72	MC	9299	999	-0.09	1.42	0.233	-0.59	4.84	0.028	0.01	3.77	0.052	

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 10.107: 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
49	MC	232	4918	0.07	0.20	0.653	0.20	0.11	0.739	0.00	0.05	0.818	
50	MC	207	4941	0.04	0.06	0.804	0.60	0.91	0.340	-0.02	0.85	0.357	
51	MC	207	4941	0.05	0.10	0.757	-0.10	0.02	0.888	0.00	0.05	0.830	
52	MC	207	4941	0.01	0.00	0.958	-1.18	2.04	0.154	0.04	2.13	0.145	
53	MC	207	4941	0.05	0.11	0.743	0.57	0.95	0.329	-0.02	0.85	0.355	
54	MC	207	4941	-0.14	0.77	0.381	-0.77	1.22	0.269	0.02	0.86	0.354	
55	MC	207	4941	0.08	0.20	0.655	0.52	0.56	0.456	-0.01	0.43	0.510	
56	MC	439	9859	-0.11	1.08	0.298	-0.41	0.95	0.329	0.01	0.56	0.453	
57	MC	232	4918	-0.12	0.70	0.404	-0.22	0.14	0.706	0.00	0.03	0.860	
58	MC	232	4918	0.14	0.90	0.342	0.93	2.99	0.084	-0.02	2.36	0.125	
59	MC	232	4918	-0.19	1.48	0.224	-0.19	0.11	0.744	0.00	0.00	0.999	
60	MC	207	4941	0.23	2.23	0.135	0.06	0.01	0.922	0.00	0.07	0.788	
61	MC	439	9859	0.05	0.22	0.639	0.87	4.22	0.040	-0.02	4.00	0.046	
62	MC	207	4941	-0.09	0.27	0.603	0.02	0.00	0.979	0.00	0.03	0.872	
63	MC	232	4918	-0.11	0.58	0.445	-0.63	0.85	0.356	0.02	0.60	0.439	
64	MC	232	4918	-0.08	0.26	0.611	1.00	3.29	0.070	-0.03	4.17	0.041	
65	MC	207	4941	-0.24	2.35	0.126	-0.10	0.02	0.896	0.00	0.04	0.840	
66	MC	232	4918	-0.21	1.87	0.171	-1.28	3.60	0.058	0.03	2.62	0.105	
67	MC	232	4918	0.09	0.38	0.537	0.89	2.61	0.106	-0.02	2.28	0.131	
68	MC	232	4918	0.00	0.00	0.989	-0.13	0.05	0.829	0.00	0.05	0.820	
69	MC	439	9859	-0.26	6.85	0.009	0.31	0.63	0.427	-0.02	2.28	0.131	Uniform<
70	MC	207	4941	-0.41	7.10	0.008	-0.78	1.33	0.249	0.01	0.32	0.573	Uniform<
71	MC	232	4918	-0.02	0.02	0.885	-0.61	0.90	0.343	0.02	0.89	0.346	
72	MC	439	9859	-0.01	0.01	0.943	0.42	0.97	0.324	-0.01	1.09	0.298	

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.

Table 10.108: 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
49	MC	406	4744	-0.07	0.40	0.527	0.65	2.65	0.104	-0.02	3.54	0.060	
50	MC	403	4745	-0.19	2.75	0.097	0.02	0.00	0.970	-0.01	0.26	0.611	
51	MC	403	4745	-0.04	0.14	0.708	-0.04	0.01	0.928	0.00	0.00	0.992	
52	MC	403	4745	0.01	0.00	0.961	0.17	0.15	0.696	-0.01	0.15	0.695	
53	MC	403	4745	0.18	2.95	0.086	0.52	2.05	0.152	-0.01	0.93	0.334	
54	MC	403	4745	0.19	2.47	0.116	0.74	3.55	0.060	-0.02	2.18	0.140	
55	MC	403	4745	0.18	2.12	0.145	0.36	0.76	0.383	-0.01	0.21	0.646	
56	MC	809	9489	-0.30	14.56	0.000	-0.14	0.27	0.605	0.00	0.33	0.566	Uniform<
57	MC	406	4744	0.09	0.74	0.390	0.80	4.61	0.032	-0.02	3.92	0.048	
58	MC	406	4744	0.07	0.42	0.518	0.34	0.72	0.395	-0.01	0.49	0.486	
59	MC	406	4744	0.15	1.60	0.206	0.41	1.05	0.307	-0.01	0.45	0.503	
60	MC	403	4745	0.06	0.29	0.587	0.26	0.51	0.477	-0.01	0.33	0.565	
61	MC	809	9489	0.18	5.22	0.022	0.51	3.03	0.082	-0.01	1.36	0.244	
62	MC	403	4745	0.44	10.40	0.001	0.12	0.08	0.783	0.01	0.62	0.433	Uniform>
63	MC	406	4744	-0.03	0.06	0.807	-0.20	0.18	0.675	0.01	0.14	0.711	
64	MC	406	4744	-0.19	2.70	0.101	0.21	0.27	0.603	-0.01	1.05	0.305	
65	MC	403	4745	-0.31	6.74	0.009	0.04	0.01	0.935	-0.01	0.57	0.449	Uniform<
66	MC	406	4744	0.16	1.81	0.179	0.44	1.16	0.281	-0.01	0.52	0.472	
67	MC	406	4744	0.06	0.32	0.569	0.58	2.19	0.138	-0.02	1.90	0.168	
68	MC	406	4744	0.19	2.31	0.128	0.33	0.65	0.420	0.00	0.13	0.715	
69	MC	809	9489	0.20	7.23	0.007	0.71	7.89	0.005	-0.02	4.40	0.036	Uniform>
70	MC	403	4745	-0.10	0.81	0.367	-0.77	3.23	0.072	0.02	2.59	0.107	
71	MC	406	4744	0.16	1.90	0.168	0.36	0.72	0.395	-0.01	0.25	0.618	
72	MC	809	9489	0.11	1.63	0.202	0.36	1.65	0.200	-0.01	0.90	0.342	

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 10.109: 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
49	MC	3689	1461	-0.06	0.80	0.371	0.81	8.65	0.003	-0.03	10.67	0.001	NonUniform
50	MC	3731	1417	-0.09	1.69	0.194	0.49	3.29	0.070	-0.02	4.89	0.027	
51	MC	3731	1417	0.03	0.12	0.726	0.27	0.86	0.353	-0.01	0.75	0.386	
52	MC	3731	1417	-0.21	7.36	0.007	0.00	0.00	0.996	-0.01	0.52	0.471	Uniform<
53	MC	3731	1417	-0.13	4.04	0.044	0.15	0.40	0.525	-0.01	1.48	0.224	
54	MC	3731	1417	-0.07	0.83	0.361	0.13	0.24	0.621	-0.01	0.60	0.437	
55	MC	3731	1417	-0.21	7.27	0.007	-0.16	0.35	0.556	0.00	0.03	0.867	Uniform<
56	MC	7420	2878	0.06	1.57	0.211	0.21	1.40	0.236	0.00	0.79	0.375	
57	MC	3689	1461	-0.09	1.85	0.174	-0.25	1.01	0.316	0.00	0.44	0.508	
58	MC	3689	1461	0.03	0.27	0.601	0.25	0.98	0.323	-0.01	0.78	0.378	
59	MC	3689	1461	0.11	2.34	0.126	0.02	0.01	0.938	0.00	0.15	0.698	
60	MC	3731	1417	-0.19	8.21	0.004	-0.15	0.39	0.530	0.00	0.03	0.866	Uniform<
61	MC	7420	2878	-0.07	2.10	0.147	0.02	0.01	0.931	0.00	0.21	0.644	
62	MC	3731	1417	0.03	0.18	0.667	0.22	0.67	0.414	-0.01	0.52	0.470	
63	MC	3689	1461	-0.04	0.35	0.556	-0.11	0.14	0.710	0.00	0.05	0.817	
64	MC	3689	1461	0.15	4.48	0.034	0.22	0.70	0.403	0.00	0.07	0.784	
65	MC	3731	1417	-0.06	0.70	0.402	-0.55	3.30	0.069	0.01	2.77	0.096	
66	MC	3689	1461	0.08	1.24	0.265	-0.07	0.07	0.798	0.00	0.35	0.553	
67	MC	3689	1461	-0.02	0.06	0.812	0.46	3.15	0.076	-0.01	3.64	0.057	
68	MC	3689	1461	0.10	1.93	0.165	0.23	0.77	0.379	0.00	0.25	0.618	
69	MC	7420	2878	0.03	0.39	0.530	0.00	0.00	0.995	0.00	0.03	0.864	
70	MC	3731	1417	-0.07	0.80	0.371	-0.37	2.03	0.155	0.01	1.50	0.221	
71	MC	3689	1461	-0.13	3.84	0.050	0.43	2.50	0.114	-0.02	4.55	0.033	
72	MC	7420	2878	0.01	0.01	0.905	-0.21	1.30	0.254	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.110: 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
49	MC	3689	444	-0.16	2.01	0.157	0.61	1.86	0.172	-0.02	3.13	0.077	
50	MC	3731	379	-0.16	2.01	0.156	0.44	0.77	0.379	-0.02	1.52	0.217	
51	MC	3731	379	-0.01	0.01	0.932	-0.32	0.36	0.547	0.01	0.36	0.549	
52	MC	3731	379	-0.22	2.71	0.100	0.14	0.06	0.806	-0.01	0.41	0.524	
53	MC	3731	379	0.00	0.00	0.994	0.69	2.22	0.136	-0.02	2.36	0.124	
54	MC	3731	379	-0.06	0.21	0.646	-0.11	0.05	0.831	0.00	0.01	0.919	
55	MC	3731	379	-0.11	0.70	0.403	-1.06	4.25	0.039	0.03	3.72	0.054	
56	MC	7420	823	0.01	0.03	0.852	0.04	0.02	0.888	0.00	0.01	0.924	
57	MC	3689	444	0.11	1.10	0.295	0.06	0.03	0.874	0.00	0.01	0.903	
58	MC	3689	444	0.03	0.11	0.745	0.40	0.91	0.340	-0.01	0.81	0.367	
59	MC	3689	444	0.11	0.88	0.348	0.01	0.00	0.989	0.00	0.07	0.785	
60	MC	3731	379	-0.17	2.05	0.152	0.89	3.12	0.077	-0.03	4.60	0.032	
61	MC	7420	823	-0.09	1.17	0.279	-0.13	0.16	0.690	0.00	0.02	0.890	
62	MC	3731	379	-0.07	0.29	0.591	0.36	0.43	0.510	-0.01	0.67	0.414	
63	MC	3689	444	-0.05	0.16	0.688	0.71	1.98	0.160	-0.02	2.37	0.124	
64	MC	3689	444	0.16	2.08	0.149	0.38	0.79	0.374	-0.01	0.28	0.600	
65	MC	3731	379	-0.10	0.63	0.426	-1.20	5.20	0.023	0.03	4.66	0.031	
66	MC	3689	444	0.26	5.03	0.025	0.41	0.88	0.350	0.00	0.12	0.731	
67	MC	3689	444	-0.17	2.25	0.133	0.06	0.02	0.894	-0.01	0.32	0.571	
68	MC	3689	444	0.18	2.26	0.132	0.69	2.55	0.110	-0.02	1.50	0.220	
69	MC	7420	823	0.07	0.92	0.338	0.25	0.75	0.386	0.00	0.41	0.522	
70	MC	3731	379	0.03	0.08	0.779	-0.47	0.89	0.346	0.01	1.10	0.294	
71	MC	3689	444	-0.14	1.61	0.205	0.48	1.18	0.277	-0.02	2.07	0.150	
72	MC	7420	823	0.06	0.46	0.497	0.43	1.65	0.199	-0.01	1.31	0.252	

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 10.111: 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
49	MC	1017	444	-0.15	1.37	0.241	-0.28	0.31	0.575	0.00	0.07	0.791	
50	MC	1038	379	-0.10	0.56	0.454	-0.06	0.01	0.919	0.00	0.01	0.935	
51	MC	1038	379	-0.05	0.10	0.754	-0.77	1.73	0.188	0.02	1.64	0.200	
52	MC	1038	379	-0.01	0.00	0.955	0.18	0.09	0.771	-0.01	0.10	0.754	
53	MC	1038	379	0.18	2.23	0.136	0.68	1.84	0.175	-0.01	1.04	0.308	
54	MC	1038	379	0.02	0.02	0.890	-0.30	0.31	0.580	0.01	0.38	0.540	
55	MC	1038	379	0.14	0.84	0.359	-1.17	4.41	0.036	0.04	6.03	0.014	
56	MC	2055	823	-0.06	0.48	0.489	-0.22	0.46	0.497	0.00	0.26	0.608	
57	MC	1017	444	0.29	5.69	0.017	0.42	0.91	0.339	0.00	0.10	0.752	
58	MC	1017	444	0.00	0.00	0.996	0.21	0.20	0.652	-0.01	0.22	0.641	
59	MC	1017	444	0.00	0.00	0.990	-0.02	0.00	0.965	0.00	0.00	0.966	
60	MC	1038	379	0.04	0.08	0.772	1.29	5.83	0.016	-0.04	5.79	0.016	
61	MC	2055	823	-0.02	0.07	0.792	-0.20	0.31	0.579	0.00	0.25	0.614	
62	MC	1038	379	-0.14	0.81	0.367	0.18	0.10	0.758	-0.01	0.32	0.572	
63	MC	1017	444	0.00	0.00	0.982	1.10	4.07	0.044	-0.03	4.33	0.037	
64	MC	1017	444	0.02	0.03	0.863	0.23	0.23	0.629	-0.01	0.20	0.651	
65	MC	1038	379	-0.06	0.19	0.667	-0.85	2.19	0.138	0.02	2.02	0.155	
66	MC	1017	444	0.26	3.84	0.050	0.65	1.88	0.171	-0.01	0.73	0.393	
67	MC	1017	444	-0.23	3.14	0.076	-0.57	1.52	0.218	0.01	0.58	0.446	
68	MC	1017	444	0.11	0.69	0.408	0.64	1.83	0.176	-0.02	1.35	0.245	
69	MC	2055	823	0.06	0.52	0.469	0.33	1.11	0.292	-0.01	0.80	0.372	
70	MC	1038	379	0.13	0.81	0.367	-0.13	0.06	0.809	0.01	0.24	0.621	
71	MC	1017	444	-0.01	0.01	0.928	0.08	0.02	0.877	0.00	0.03	0.855	
72	MC	2055	823	0.07	0.53	0.465	0.82	5.37	0.020	-0.02	4.83	0.028	

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.

Table 10.112: 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
49	MC	22	444	-0.54	1.20	0.273	-10.10	3.44	0.064	0.27	3.00	0.083	
50	MC	18	379	0.28	0.26	0.607	1.10	0.20	0.653	-0.02	0.12	0.729	
51	MC	18	379	0.32	0.27	0.604	-2.37	0.48	0.488	0.08	0.61	0.436	
52	MC	18	379	0.44	0.40	0.525	-3.76	0.59	0.441	0.13	0.70	0.403	
53	MC	18	379	-0.76	2.08	0.149	-0.24	0.01	0.925	-0.01	0.04	0.834	
54	MC	18	379	-0.74	2.06	0.151	0.38	0.03	0.871	-0.03	0.24	0.621	
55	MC	18	379	-0.30	0.29	0.591	-2.96	1.03	0.309	0.08	0.83	0.361	
56	MC	40	823	-0.10	0.10	0.753	2.70	3.72	0.054	-0.07	4.25	0.039	
57	MC	22	444	0.27	0.33	0.565	-0.90	0.20	0.655	0.03	0.35	0.554	
58	MC	22	444	-0.54	1.30	0.254	0.84	0.20	0.652	-0.04	0.58	0.447	
59	MC	22	444	-0.14	0.08	0.783	1.05	0.28	0.594	-0.03	0.40	0.526	
60	MC	18	379	0.24	0.18	0.675	1.92	0.59	0.443	-0.05	0.49	0.483	
61	MC	40	823	0.05	0.02	0.878	0.14	0.01	0.929	0.00	0.00	0.955	
62	MC	18	379	0.63	0.66	0.416	5.64	1.88	0.171	-0.13	1.81	0.178	
63	MC	22	444	-0.77	2.25	0.134	-0.80	0.12	0.726	0.00	0.00	0.992	
64	MC	22	444	0.02	0.00	0.967	-0.64	0.09	0.768	0.02	0.10	0.756	
65	MC	18	379	-0.78	2.22	0.136	-5.85	2.19	0.139	0.13	1.72	0.190	
66	MC	22	444	-0.13	0.06	0.800	-2.77	1.10	0.293	0.08	0.99	0.319	
67	MC	22	444	0.11	0.05	0.831	4.36	4.35	0.037	-0.12	4.92	0.027	
68	MC	22	444	0.79	1.46	0.227	-2.20	0.31	0.578	0.10	0.54	0.462	
69	MC	40	823	-0.70	3.97	0.046	-1.42	0.75	0.386	0.02	0.21	0.650	
70	MC	18	379	-0.78	2.38	0.123	-0.78	0.11	0.744	0.00	0.00	0.999	
71	MC	22	444	0.04	0.01	0.941	-2.71	1.16	0.281	0.08	1.23	0.268	
72	MC	40	823	0.52	1.50	0.221	1.68	0.92	0.336	-0.03	0.49	0.485	

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 10.113: 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
49	MC	5627	5150	0.27	27.66	0.000	-0.13	0.33	0.565	0.01	3.32	0.068	Uniform>
50	MC	5836	5148	0.20	17.96	0.000	-1.33	36.53	0.000	0.04	51.29	0.000	NonUniform
51	MC	5836	5148	-0.03	0.21	0.647	0.76	10.74	0.001	-0.02	12.14	0.000	NonUniform
52	MC	5836	5148	0.46	54.67	0.000	0.16	0.34	0.562	0.01	1.38	0.240	Uniform>
53	MC	5836	5148	0.23	25.28	0.000	-2.57	151.51	0.000	0.07	190.16	0.000	NonUniform
54	MC	5836	5148	-0.07	1.38	0.240	-1.03	20.30	0.000	0.03	18.92	0.000	NonUniform
55	MC	5836	5148	0.04	0.43	0.513	0.58	6.25	0.012	-0.01	5.83	0.016	
56	MC	11463	10298	-0.11	11.29	0.001	-0.21	2.46	0.117	0.00	0.66	0.417	Uniform<
57	MC	5627	5150	0.23	23.01	0.000	-2.05	82.32	0.000	0.06	107.77	0.000	NonUniform
58	MC	5627	5150	0.08	2.70	0.100	0.25	1.51	0.220	0.00	0.76	0.384	
59	MC	5627	5150	-0.16	7.93	0.005	-0.34	2.37	0.123	0.00	0.72	0.395	Uniform<
60	MC	5836	5148	0.13	6.89	0.009	-1.89	77.12	0.000	0.05	93.18	0.000	NonUniform
61	MC	11463	10298	0.34	100.03	0.000	-0.40	6.44	0.011	0.02	23.41	0.000	NonUniform
62	MC	5836	5148	-0.07	1.33	0.249	-0.94	16.81	0.000	0.02	15.44	0.000	NonUniform
63	MC	5627	5150	0.55	98.02	0.000	-0.02	0.00	0.948	0.01	5.41	0.020	Uniform>
64	MC	5627	5150	0.03	0.28	0.594	0.01	0.00	0.967	0.00	0.01	0.928	
65	MC	5836	5148	0.27	24.36	0.000	0.45	3.33	0.068	0.00	0.57	0.450	Uniform>
66	MC	5627	5150	-0.17	8.97	0.003	-1.35	32.18	0.000	0.03	26.11	0.000	NonUniform
67	MC	5627	5150	0.28	28.01	0.000	-0.10	0.20	0.652	0.01	3.11	0.078	Uniform>
68	MC	5627	5150	0.04	0.38	0.535	-0.54	5.23	0.022	0.01	6.37	0.012	
69	MC	11463	10298	-0.23	55.39	0.000	-0.90	44.32	0.000	0.02	25.78	0.000	NonUniform
70	MC	5836	5148	0.07	1.80	0.179	0.32	2.08	0.149	-0.01	1.32	0.250	
71	MC	5627	5150	0.29	36.18	0.000	-1.28	31.60	0.000	0.04	49.88	0.000	NonUniform
72	MC	11463	10298	-0.10	6.65	0.010	-0.78	24.58	0.000	0.02	19.97	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 10.114: 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
73	SA2	4877	5419	-0.04	0.89	0.345	0.03	0.04	0.842	0.00	0.21	0.649	
74	SA2	2431	2715	-0.06	1.31	0.253	-0.19	0.79	0.374	0.00	0.39	0.533	
75	SA2	2431	2715	-0.03	0.34	0.557	0.03	0.02	0.901	0.00	0.08	0.777	
76	SA1	2431	2715	0.08	0.65	0.419	0.54	2.72	0.099	-0.02	2.19	0.139	
77	SA2	2446	2704	-0.07	1.29	0.256	0.60	6.80	0.009	-0.02	8.98	0.003	NonUniform
78	SA1	2446	2704	-0.19	4.08	0.043	-0.06	0.02	0.878	0.00	0.11	0.745	
79	SA1	2446	2704	-0.35	13.09	0.000	0.34	1.10	0.295	-0.02	4.89	0.027	Uniform<
80	SA1	2446	2704	-0.30	24.91	0.000	-0.04	0.03	0.871	-0.01	1.21	0.271	Uniform<
81	SA1	2431	2715	-0.34	11.38	0.001	-0.09	0.03	0.852	-0.01	0.28	0.596	Uniform<
82	SA1	4877	5419	-0.08	1.49	0.223	0.35	2.56	0.110	-0.01	4.11	0.043	
83	SA1	2431	2715	-0.12	4.07	0.044	0.12	0.22	0.641	-0.01	0.93	0.336	
84	SA2	2446	2704	-0.13	5.60	0.018	0.07	0.13	0.723	-0.01	0.99	0.321	
85	SA4	2431	2715	-0.07	1.68	0.195	-0.04	0.05	0.831	0.00	0.02	0.893	
86	SA4	2446	2704	0.00	0.01	0.932	0.14	0.47	0.495	0.00	0.54	0.462	

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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.115: 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
73	SA2	9299	999	0.18	7.43	0.006	-0.14	0.37	0.541	0.01	2.00	0.157	Uniform>
74	SA2	4668	480	-0.17	3.36	0.067	-0.10	0.08	0.779	0.00	0.04	0.832	
75	SA2	4668	480	0.38	16.90	0.000	0.08	0.06	0.811	0.01	0.80	0.372	Uniform>
76	SA1	4668	480	0.37	6.46	0.011	0.11	0.05	0.828	0.01	0.33	0.564	
77	SA2	4631	519	0.18	3.32	0.068	0.16	0.22	0.640	0.00	0.00	0.965	
78	SA1	4631	519	-0.19	1.84	0.175	0.15	0.06	0.803	-0.01	0.35	0.553	
79	SA1	4631	519	0.30	4.10	0.043	-0.02	0.00	0.970	0.01	0.53	0.467	
80	SA1	4631	519	-0.15	2.31	0.129	-0.13	0.13	0.720	0.00	0.00	0.957	
81	SA1	4668	480	-0.39	6.60	0.010	-0.16	0.05	0.819	-0.01	0.11	0.742	
82	SA1	9299	999	0.09	0.77	0.379	-0.02	0.00	0.964	0.00	0.11	0.743	
83	SA1	4668	480	-0.41	15.22	0.000	-0.33	0.60	0.439	0.00	0.04	0.834	Uniform<
84	SA2	4631	519	0.28	9.83	0.002	-0.09	0.07	0.786	0.01	1.40	0.236	Uniform>
85	SA4	4668	480	-0.14	2.14	0.143	0.60	3.20	0.074	-0.02	5.16	0.023	
86	SA4	4631	519	0.03	0.08	0.779	0.51	2.49	0.115	-0.01	2.46	0.116	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.116: 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
73	SA2	439	9859	0.14	2.17	0.140	-0.53	1.69	0.194	0.02	2.84	0.092	
74	SA2	207	4941	0.36	7.16	0.007	0.66	1.39	0.239	-0.01	0.32	0.575	Uniform>
75	SA2	207	4941	0.23	2.74	0.098	0.68	1.45	0.228	-0.01	0.69	0.405	
76	SA1	207	4941	0.77	6.70	0.010	-0.68	0.31	0.577	0.05	1.43	0.232	Uniform>
77	SA2	232	4918	0.12	0.73	0.393	0.31	0.33	0.566	-0.01	0.13	0.713	
78	SA1	232	4918	0.43	4.84	0.028	0.09	0.01	0.918	0.01	0.18	0.669	
79	SA1	232	4918	-0.18	0.71	0.398	-2.07	4.84	0.028	0.07	4.10	0.043	
80	SA1	232	4918	0.21	2.11	0.146	0.56	0.99	0.319	-0.01	0.42	0.518	
81	SA1	207	4941	0.45	3.83	0.050	1.05	1.04	0.308	-0.02	0.35	0.552	
82	SA1	439	9859	0.16	1.08	0.300	-1.14	3.02	0.082	0.05	4.01	0.045	
83	SA1	207	4941	0.18	1.41	0.234	-1.14	2.24	0.134	0.04	3.13	0.077	
84	SA2	232	4918	0.22	3.02	0.082	0.01	0.00	0.980	0.01	0.18	0.668	
85	SA4	207	4941	0.29	4.44	0.035	-0.11	0.04	0.847	0.01	0.54	0.463	
86	SA4	232	4918	0.11	0.60	0.438	-0.81	2.52	0.112	0.03	3.51	0.061	

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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.117: 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
73	SA2	809	9489	-0.05	0.53	0.466	-0.16	0.37	0.541	0.00	0.18	0.672	
74	SA2	403	4745	0.14	2.02	0.156	0.56	2.61	0.106	-0.01	1.55	0.212	
75	SA2	403	4745	0.06	0.32	0.573	0.00	0.00	1.000	0.00	0.03	0.868	
76	SA1	403	4745	-0.19	1.49	0.221	-1.08	4.26	0.039	0.03	3.11	0.078	
77	SA2	406	4744	-0.16	2.49	0.114	0.24	0.42	0.516	-0.01	1.31	0.253	
78	SA1	406	4744	0.02	0.01	0.906	-0.42	0.36	0.551	0.01	0.43	0.511	
79	SA1	406	4744	-0.11	0.51	0.474	-0.40	0.62	0.432	0.01	0.36	0.549	
80	SA1	406	4744	-0.01	0.00	0.957	-0.87	3.68	0.055	0.03	3.87	0.049	
81	SA1	403	4745	0.34	3.59	0.058	1.58	5.17	0.023	-0.03	3.23	0.072	
82	SA1	809	9489	-0.19	3.66	0.056	-0.49	2.04	0.153	0.01	0.84	0.361	
83	SA1	403	4745	0.01	0.02	0.902	-0.10	0.05	0.820	0.00	0.07	0.789	
84	SA2	406	4744	0.20	4.19	0.041	0.03	0.01	0.941	0.01	0.27	0.602	
85	SA4	403	4745	-0.26	6.94	0.008	-0.12	0.11	0.741	0.00	0.19	0.661	Uniform<
86	SA4	406	4744	-0.27	7.28	0.007	0.23	0.42	0.516	-0.02	2.21	0.137	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.118: 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
73	SA2	7420	2878	0.04	0.87	0.351	-0.04	0.07	0.796	0.00	0.28	0.596	
74	SA2	3731	1417	-0.10	2.92	0.087	0.02	0.01	0.937	0.00	0.30	0.584	
75	SA2	3731	1417	0.05	0.65	0.420	-0.72	10.38	0.001	0.02	12.87	0.000	NonUniform
76	SA1	3731	1417	0.00	0.00	0.994	0.47	1.83	0.176	-0.02	1.98	0.159	
77	SA2	3689	1461	0.00	0.00	0.987	-0.18	0.61	0.435	0.01	0.67	0.415	
78	SA1	3689	1461	-0.20	4.19	0.041	-0.49	1.46	0.227	0.01	0.52	0.470	
79	SA1	3689	1461	0.13	1.51	0.219	-0.45	1.93	0.165	0.02	3.53	0.060	
80	SA1	3689	1461	-0.07	1.12	0.290	-0.40	2.49	0.114	0.01	1.81	0.178	
81	SA1	3731	1417	-0.40	14.50	0.000	-0.53	1.20	0.273	0.00	0.07	0.784	Uniform<
82	SA1	7420	2878	-0.05	0.47	0.491	-0.39	2.94	0.086	0.01	2.51	0.113	
83	SA1	3731	1417	-0.12	3.01	0.083	0.19	0.44	0.509	-0.01	1.23	0.267	
84	SA2	3689	1461	0.10	2.66	0.103	-0.04	0.04	0.851	0.00	0.43	0.511	
85	SA4	3731	1417	-0.12	3.70	0.054	0.54	6.11	0.013	-0.02	9.81	0.002	NonUniform
86	SA4	3689	1461	-0.13	3.94	0.047	0.03	0.02	0.891	0.00	0.56	0.453	

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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.119: 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
73	SA2	7420	823	0.06	0.79	0.375	-0.15	0.31	0.577	0.01	0.67	0.413	
74	SA2	3731	379	-0.14	1.84	0.175	-0.43	1.07	0.300	0.01	0.53	0.465	
75	SA2	3731	379	0.05	0.21	0.643	-1.37	11.02	0.001	0.04	12.76	0.000	NonUniform
76	SA1	3731	379	-0.16	0.70	0.402	0.97	1.51	0.218	-0.04	2.11	0.147	
77	SA2	3689	444	0.03	0.09	0.761	-0.44	1.36	0.244	0.01	1.69	0.194	
78	SA1	3689	444	-0.28	3.35	0.067	-0.63	1.04	0.308	0.01	0.33	0.568	
79	SA1	3689	444	0.20	1.52	0.218	-0.27	0.26	0.610	0.02	0.90	0.343	
80	SA1	3689	444	0.02	0.03	0.872	-0.44	1.18	0.278	0.01	1.37	0.242	
81	SA1	3731	379	-0.41	5.58	0.018	-1.50	3.91	0.048	0.03	2.13	0.145	
82	SA1	7420	823	-0.06	0.26	0.608	-0.72	3.30	0.069	0.02	3.10	0.078	
83	SA1	3731	379	0.01	0.01	0.932	0.97	3.06	0.080	-0.03	3.14	0.076	
84	SA2	3689	444	0.04	0.14	0.705	-0.05	0.02	0.888	0.00	0.06	0.800	
85	SA4	3731	379	0.00	0.00	0.982	0.01	0.00	0.972	0.00	0.00	0.976	
86	SA4	3689	444	0.03	0.11	0.744	-0.08	0.05	0.821	0.00	0.11	0.738	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.120: 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
73	SA2	2055	823	0.03	0.16	0.690	-0.15	0.25	0.615	0.01	0.40	0.526	
74	SA2	1038	379	-0.05	0.20	0.654	-0.59	1.72	0.190	0.02	1.55	0.214	
75	SA2	1038	379	-0.02	0.03	0.862	-0.81	3.33	0.068	0.02	3.43	0.064	
76	SA1	1038	379	-0.19	0.75	0.387	0.61	0.55	0.458	-0.03	0.98	0.322	
77	SA2	1017	444	0.04	0.13	0.721	-0.35	0.73	0.394	0.01	0.99	0.321	
78	SA1	1017	444	-0.12	0.45	0.502	-0.20	0.09	0.764	0.00	0.02	0.895	
79	SA1	1017	444	0.10	0.33	0.568	0.25	0.20	0.654	-0.01	0.08	0.780	
80	SA1	1017	444	0.12	1.05	0.306	-0.06	0.02	0.897	0.01	0.18	0.670	
81	SA1	1038	379	-0.01	0.00	0.944	-1.34	2.56	0.109	0.03	2.59	0.107	
82	SA1	2055	823	-0.03	0.05	0.829	-0.43	1.04	0.308	0.01	1.01	0.315	
83	SA1	1038	379	0.18	1.97	0.160	0.99	2.77	0.096	-0.02	1.93	0.164	
84	SA2	1017	444	-0.09	0.64	0.423	-0.01	0.00	0.976	0.00	0.04	0.840	
85	SA4	1038	379	0.17	2.19	0.139	-0.68	2.39	0.122	0.02	4.03	0.045	
86	SA4	1017	444	0.22	3.78	0.052	-0.14	0.14	0.709	0.01	1.00	0.318	

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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.121: 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
73	SA2	40	823	0.01	0.00	0.977	1.82	1.91	0.167	-0.05	2.03	0.154	
74	SA2	18	379	-0.44	0.94	0.331	-1.38	0.39	0.531	0.02	0.18	0.669	
75	SA2	18	379	0.36	0.61	0.434	2.06	0.94	0.331	-0.04	0.65	0.420	
76	SA1	18	379	0.29	0.07	0.788	6.36	1.47	0.226	-0.17	1.78	0.182	
77	SA2	22	444	1.02	3.43	0.064	1.53	0.48	0.490	-0.02	0.06	0.807	
78	SA1	22	444	0.04	0.00	0.954	1.13	0.18	0.668	-0.03	0.18	0.675	
79	SA1	22	444	0.21	0.08	0.783	5.28	2.49	0.115	-0.14	3.10	0.078	
80	SA1	22	444	-0.08	0.03	0.863	-0.60	0.09	0.758	0.01	0.08	0.784	
81	SA1	18	379	-13.24	0.00	0.977	-8.36	0.00	0.987	-0.05	0.00	0.997	
82	SA1	40	823	-0.32	0.45	0.504	-0.68	0.10	0.747	0.01	0.03	0.859	
83	SA1	18	379	-0.34	0.41	0.521	-1.48	0.24	0.626	0.03	0.15	0.702	
84	SA2	22	444	0.03	0.00	0.945	0.18	0.01	0.913	0.00	0.01	0.926	
85	SA4	18	379	0.52	1.20	0.274	2.14	0.97	0.324	-0.04	0.57	0.449	
86	SA4	22	444	0.44	0.95	0.331	0.15	0.01	0.931	0.01	0.03	0.860	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.122: 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
73	SA2	11463	10298	0.24	58.16	0.000	1.27	93.36	0.000	-0.03	65.07	0.000	NonUniform
74	SA2	5836	5148	0.29	47.65	0.000	0.44	6.16	0.013	0.00	0.82	0.366	Uniform>
75	SA2	5836	5148	0.07	2.87	0.090	-0.06	0.11	0.736	0.00	0.56	0.452	
76	SA1	5836	5148	-0.05	0.32	0.569	0.87	7.29	0.007	-0.03	8.88	0.003	NonUniform
77	SA2	5627	5150	0.23	20.83	0.000	1.12	29.62	0.000	-0.02	19.89	0.000	NonUniform
78	SA1	5627	5150	0.20	9.71	0.002	-1.48	22.49	0.000	0.04	30.21	0.000	NonUniform
79	SA1	5627	5150	0.27	7.55	0.006	0.55	2.49	0.114	-0.01	0.69	0.405	Uniform>
80	SA1	5627	5150	-0.01	0.10	0.753	0.71	12.50	0.000	-0.02	13.72	0.000	NonUniform
81	SA1	5836	5148	0.38	35.51	0.000	-0.90	7.51	0.006	0.03	15.66	0.000	NonUniform
82	SA1	11463	10298	0.19	10.92	0.001	1.15	27.10	0.000	-0.03	20.42	0.000	NonUniform
83	SA1	5836	5148	0.04	0.80	0.372	-0.29	1.89	0.169	0.01	2.60	0.107	
84	SA2	5627	5150	0.17	16.40	0.000	0.28	2.35	0.125	0.00	0.36	0.546	Uniform>
85	SA4	5836	5148	0.87	389.33	0.000	0.73	17.13	0.000	0.00	0.60	0.437	Uniform>
86	SA4	5627	5150	0.87	336.96	0.000	0.77	18.03	0.000	0.00	0.28	0.599	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.123: 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
1	MC	6819	7633	-0.07	4.13	0.042	-0.02	0.01	0.904	0.00	0.14	0.706	
2	MC	6819	7633	-0.09	6.83	0.009	-0.25	2.54	0.111	0.00	1.08	0.299	Uniform<
3	MC	6819	7633	-0.06	2.79	0.095	-0.32	3.26	0.071	0.01	2.20	0.138	
4	MC	13574	15360	0.00	0.01	0.937	0.34	9.48	0.002	-0.01	10.28	0.001	NonUniform
5	MC	6819	7633	0.06	2.64	0.104	0.16	0.94	0.331	0.00	0.40	0.526	
6	MC	6819	7633	0.02	0.13	0.714	-0.13	0.45	0.504	0.00	0.59	0.442	
7	MC	6755	7727	0.11	7.73	0.005	0.37	4.59	0.032	-0.01	2.40	0.122	Uniform>
8	MC	6819	7633	-0.06	3.00	0.083	-0.02	0.02	0.888	0.00	0.06	0.801	
9	MC	6819	7633	0.18	23.55	0.000	-0.06	0.11	0.744	0.00	1.88	0.170	Uniform>
10	MC	6819	7633	0.04	1.04	0.308	0.17	1.24	0.265	0.00	0.81	0.367	
11	MC	6755	7727	0.04	1.18	0.277	-0.03	0.02	0.875	0.00	0.17	0.676	
12	MC	6755	7727	0.08	3.56	0.059	0.28	2.66	0.103	0.00	1.50	0.221	
13	MC	6755	7727	-0.05	1.52	0.218	0.22	1.78	0.182	-0.01	2.92	0.087	
14	MC	6755	7727	-0.02	0.43	0.511	-0.41	8.54	0.003	0.01	8.11	0.004	NonUniform
15	MC	6755	7727	0.01	0.06	0.807	0.30	3.47	0.062	-0.01	3.48	0.062	
16	MC	6755	7727	0.12	8.41	0.004	-0.25	1.64	0.200	0.01	3.80	0.051	Uniform>
17	MC	6755	7727	0.02	0.26	0.612	-0.44	7.10	0.008	0.01	8.22	0.004	NonUniform
18	MC	13574	15360	-0.08	8.80	0.003	0.14	1.46	0.227	0.00	3.73	0.053	Uniform<
19	MC	13574	15360	0.04	2.85	0.092	-0.11	0.98	0.321	0.00	1.97	0.160	
20	MC	13574	15360	-0.25	93.60	0.000	0.21	3.37	0.066	-0.01	16.72	0.000	NonUniform
21	MC	6819	7633	-0.01	0.04	0.846	0.11	0.41	0.524	0.00	0.50	0.479	
22	MC	13574	15360	-0.04	1.72	0.189	0.31	5.79	0.016	-0.01	7.80	0.005	NonUniform
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	0.21	19.11	0.000	0.32	2.58	0.108	0.00	0.32	0.574	Uniform>
25	MC	6819	7633	-0.07	3.77	0.052	0.20	1.62	0.203	-0.01	3.15	0.076	
26	MC	6755	7727	0.09	3.47	0.062	-0.14	0.42	0.517	0.01	1.11	0.292	
27	MC	6755	7727	0.10	7.38	0.007	-0.11	0.48	0.488	0.00	1.81	0.179	Uniform>
28	MC	6755	7727	-0.01	0.11	0.744	-0.25	2.24	0.135	0.00	2.13	0.144	
29	MC	6819	7633	-0.01	0.06	0.802	0.24	2.12	0.145	0.00	2.39	0.122	
30	MC	6819	7633	0.08	4.65	0.031	0.31	4.38	0.036	0.00	2.58	0.108	
31	MC	6819	7633	0.03	0.59	0.444	-0.26	3.03	0.082	0.01	3.91	0.048	
32	MC	6755	7727	0.29	48.95	0.000	0.61	9.10	0.003	-0.01	2.68	0.102	Uniform>
33	MC	6755	7727	0.05	2.24	0.134	0.01	0.00	0.947	0.00	0.08	0.779	
34	MC	6819	7633	0.12	10.88	0.001	0.36	4.03	0.045	0.00	1.83	0.176	Uniform>
35	MC	6819	7633	0.09	5.68	0.017	-0.07	0.17	0.678	0.00	0.98	0.321	
91	SA3	6819	7633	-0.30	86.81	0.000	0.12	0.74	0.389	-0.01	9.34	0.002	NonUniform
92	SA1	6819	7633	-0.08	3.83	0.050	-0.48	7.08	0.008	0.01	5.25	0.022	
93	SA1	6755	7727	-0.13	11.49	0.001	-0.05	0.09	0.758	0.00	0.22	0.641	Uniform<
94	SA1	6819	7633	-0.18	3.93	0.048	-0.53	1.41	0.235	0.01	0.66	0.418	
99	SA3	6755	7727	-0.34	119.88	0.000	-0.22	2.86	0.091	0.00	0.85	0.358	Uniform<
100	SA1	6755	7727	-0.33	32.02	0.000	0.02	0.01	0.928	-0.01	2.05	0.152	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.124: 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
1	MC	12481	1975	-0.01	0.09	0.764	-0.21	1.19	0.276	0.00	1.10	0.295	
2	MC	12481	1975	0.00	0.00	0.979	-0.27	1.52	0.217	0.01	1.62	0.203	
3	MC	12481	1975	0.04	0.48	0.490	0.03	0.02	0.896	0.00	0.00	0.980	
4	MC	25070	3869	-0.01	0.06	0.810	0.55	11.94	0.001	-0.01	13.18	0.000	NonUniform
5	MC	12481	1975	0.05	0.82	0.366	-0.05	0.05	0.824	0.00	0.19	0.662	
6	MC	12481	1975	-0.29	20.68	0.000	-0.89	12.13	0.000	0.01	5.94	0.015	Uniform<
7	MC	12589	1894	0.01	0.04	0.842	-0.26	1.15	0.284	0.01	1.33	0.249	
8	MC	12481	1975	0.07	1.85	0.174	0.16	0.51	0.473	0.00	0.17	0.677	
9	MC	12481	1975	0.04	0.54	0.462	-0.21	0.74	0.390	0.01	1.10	0.295	
10	MC	12481	1975	0.05	0.80	0.370	0.50	5.31	0.021	-0.01	4.64	0.031	
11	MC	12589	1894	0.00	0.00	0.983	-0.29	1.46	0.227	0.01	1.56	0.211	
12	MC	12589	1894	-0.07	1.30	0.255	-0.35	2.02	0.155	0.01	1.39	0.239	
13	MC	12589	1894	-0.34	27.14	0.000	0.04	0.02	0.878	-0.01	2.62	0.105	Uniform<
14	MC	12589	1894	-0.07	1.78	0.182	0.02	0.01	0.931	0.00	0.20	0.655	
15	MC	12589	1894	-0.02	0.10	0.749	0.28	1.49	0.223	-0.01	1.84	0.175	
16	MC	12589	1894	-0.12	3.29	0.070	-0.06	0.05	0.832	0.00	0.04	0.842	
17	MC	12589	1894	-0.02	0.07	0.784	-0.03	0.02	0.898	0.00	0.00	0.950	
18	MC	25070	3869	-0.01	0.06	0.808	0.24	2.13	0.144	0.00	2.44	0.119	
19	MC	25070	3869	-0.04	1.05	0.305	-0.01	0.00	0.948	0.00	0.03	0.859	
20	MC	25070	3869	-0.13	11.93	0.001	0.27	2.64	0.104	-0.01	6.10	0.014	Uniform<
21	MC	12481	1975	-0.33	24.47	0.000	0.14	0.33	0.565	-0.01	3.78	0.052	Uniform<
22	MC	25070	3869	0.13	8.67	0.003	-0.40	5.16	0.023	0.01	9.72	0.002	NonUniform
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	-0.14	3.41	0.065	-0.32	1.27	0.260	0.00	0.45	0.504	
25	MC	12481	1975	-0.17	9.85	0.002	0.00	0.00	0.986	0.00	0.59	0.441	Uniform<
26	MC	12589	1894	-0.11	2.29	0.130	-0.37	1.38	0.240	0.01	0.74	0.389	
27	MC	12589	1894	0.06	1.30	0.253	0.18	0.63	0.428	0.00	0.30	0.586	
28	MC	12589	1894	-0.08	2.11	0.147	-0.05	0.05	0.819	0.00	0.01	0.915	
29	MC	12481	1975	0.04	0.69	0.406	0.07	0.08	0.772	0.00	0.01	0.915	
30	MC	12481	1975	-0.06	1.23	0.268	0.09	0.20	0.655	0.00	0.58	0.445	
31	MC	12481	1975	-0.02	0.17	0.680	-0.42	4.27	0.039	0.01	4.11	0.043	
32	MC	12589	1894	-0.09	2.33	0.127	-0.83	8.71	0.003	0.01	7.17	0.007	NonUniform
33	MC	12589	1894	-0.04	0.46	0.498	-0.45	4.07	0.044	0.01	3.64	0.056	
34	MC	12481	1975	-0.11	3.69	0.055	0.09	0.13	0.719	0.00	0.62	0.430	
35	MC	12481	1975	-0.01	0.05	0.822	-0.15	0.49	0.484	0.00	0.44	0.506	
91	SA3	12481	1975	-0.03	0.44	0.508	0.17	0.73	0.394	0.00	1.07	0.301	
92	SA1	12481	1975	0.05	0.90	0.343	0.51	3.71	0.054	-0.01	3.13	0.077	
93	SA1	12589	1894	0.11	3.53	0.060	0.05	0.04	0.844	0.00	0.06	0.810	
94	SA1	12481	1975	-0.16	1.68	0.195	0.35	0.33	0.567	-0.01	0.73	0.393	
99	SA3	12589	1894	0.01	0.02	0.897	0.08	0.19	0.660	0.00	0.18	0.675	
100	SA1	12589	1894	0.48	23.45	0.000	0.82	3.53	0.060	-0.01	0.65	0.420	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.125: 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
1	MC	950	13506	-0.16	5.61	0.018	-0.34	1.33	0.249	0.00	0.38	0.540	
2	MC	950	13506	-0.15	4.49	0.034	0.04	0.02	0.889	0.00	0.39	0.531	
3	MC	950	13506	0.01	0.00	0.945	-0.57	2.35	0.125	0.01	2.50	0.114	
4	MC	1961	26978	0.10	2.82	0.093	0.07	0.10	0.752	0.00	0.01	0.916	
5	MC	950	13506	0.08	1.13	0.289	0.50	2.42	0.120	-0.01	1.82	0.177	
6	MC	950	13506	0.11	1.77	0.183	-0.18	0.20	0.658	0.01	0.55	0.457	
7	MC	1011	13472	0.09	1.47	0.226	0.35	1.04	0.307	-0.01	0.59	0.443	
8	MC	950	13506	-0.12	2.98	0.084	-0.76	4.81	0.028	0.01	3.53	0.060	
9	MC	950	13506	-0.01	0.01	0.927	-0.70	3.35	0.067	0.01	3.43	0.064	
10	MC	950	13506	-0.05	0.49	0.483	-0.68	4.45	0.035	0.01	4.02	0.045	
11	MC	1011	13472	-0.07	0.91	0.339	0.03	0.01	0.922	0.00	0.10	0.750	
12	MC	1011	13472	-0.02	0.08	0.778	0.13	0.14	0.713	0.00	0.20	0.657	
13	MC	1011	13472	0.23	7.27	0.007	-0.57	2.49	0.115	0.02	5.11	0.024	Uniform>
14	MC	1011	13472	-0.21	9.73	0.002	-0.62	4.45	0.035	0.01	2.06	0.151	Uniform<
15	MC	1011	13472	-0.10	1.51	0.219	-0.80	5.46	0.019	0.02	4.37	0.036	
16	MC	1011	13472	0.00	0.00	0.967	0.26	0.47	0.491	-0.01	0.48	0.486	
17	MC	1011	13472	0.14	3.00	0.083	-0.47	1.72	0.190	0.01	3.00	0.083	
18	MC	1961	26978	0.02	0.21	0.646	0.57	6.31	0.012	-0.01	6.04	0.014	
19	MC	1961	26978	-0.03	0.47	0.494	-0.13	0.30	0.584	0.00	0.17	0.682	
20	MC	1961	26978	0.10	4.29	0.038	0.18	0.66	0.418	0.00	0.13	0.718	
21	MC	950	13506	0.08	0.89	0.344	-0.27	0.57	0.449	0.01	1.03	0.311	
22	MC	1961	26978	-0.05	0.59	0.443	0.38	2.24	0.134	-0.01	2.99	0.084	
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	0.04	0.20	0.651	-0.68	2.34	0.126	0.02	2.75	0.097	
25	MC	950	13506	0.06	0.60	0.439	0.70	5.10	0.024	-0.01	4.57	0.032	
26	MC	1011	13472	0.12	1.88	0.171	0.36	0.69	0.406	-0.01	0.31	0.577	
27	MC	1011	13472	0.03	0.19	0.661	-0.14	0.18	0.673	0.00	0.28	0.597	
28	MC	1011	13472	0.00	0.00	0.972	0.16	0.23	0.630	0.00	0.25	0.616	
29	MC	950	13506	0.13	3.04	0.081	0.41	1.61	0.205	-0.01	0.82	0.367	
30	MC	950	13506	0.16	4.56	0.033	0.11	0.15	0.703	0.00	0.02	0.877	
31	MC	950	13506	0.16	5.08	0.024	-0.11	0.13	0.719	0.01	0.82	0.365	
32	MC	1011	13472	0.08	0.92	0.338	-0.02	0.00	0.962	0.00	0.06	0.810	
33	MC	1011	13472	-0.08	1.19	0.275	-0.27	0.68	0.411	0.00	0.36	0.546	
34	MC	950	13506	0.03	0.12	0.734	-0.48	1.54	0.215	0.01	1.78	0.183	
35	MC	950	13506	-0.06	0.60	0.439	-0.30	0.87	0.351	0.01	0.61	0.436	
91	SA3	950	13506	-0.21	10.95	0.001	-0.92	9.30	0.002	0.01	5.76	0.016	Uniform<
92	SA1	950	13506	-0.28	10.82	0.001	0.52	2.00	0.157	-0.02	4.85	0.028	Uniform<
93	SA1	1011	13472	-0.08	1.14	0.285	0.05	0.02	0.879	0.00	0.15	0.695	
94	SA1	950	13506	-0.51	5.42	0.020	1.01	1.06	0.303	-0.03	2.39	0.122	
99	SA3	1011	13472	-0.27	19.32	0.000	-0.21	0.59	0.441	0.00	0.05	0.827	Uniform<
100	SA1	1011	13472	-0.18	2.28	0.131	-0.40	0.52	0.469	0.00	0.17	0.681	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.126: 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
1	MC	1259	13197	0.14	5.20	0.023	0.77	11.82	0.001	-0.01	8.57	0.003	NonUniform
2	MC	1259	13197	0.03	0.25	0.615	0.73	8.33	0.004	-0.02	8.06	0.005	NonUniform
3	MC	1259	13197	0.06	0.83	0.363	0.53	3.71	0.054	-0.01	3.09	0.079	
4	MC	2629	26310	0.00	0.00	0.988	-0.38	4.61	0.032	0.01	4.95	0.026	
5	MC	1259	13197	0.11	2.83	0.093	0.78	8.85	0.003	-0.01	6.91	0.009	NonUniform
6	MC	1259	13197	-0.03	0.13	0.715	-0.05	0.02	0.877	0.00	0.01	0.941	
7	MC	1370	13113	0.00	0.00	0.974	-0.42	2.31	0.129	0.01	2.47	0.116	
8	MC	1259	13197	0.03	0.22	0.636	0.35	1.85	0.174	-0.01	1.64	0.200	
9	MC	1259	13197	-0.09	1.93	0.165	0.26	0.80	0.373	-0.01	1.54	0.214	
10	MC	1259	13197	0.02	0.11	0.744	0.18	0.55	0.456	0.00	0.47	0.494	
11	MC	1370	13113	0.08	1.57	0.210	0.59	5.62	0.018	-0.01	4.49	0.034	
12	MC	1370	13113	0.02	0.14	0.709	-0.02	0.01	0.941	0.00	0.03	0.864	
13	MC	1370	13113	0.02	0.13	0.714	-0.57	4.85	0.028	0.01	5.61	0.018	
14	MC	1370	13113	0.16	7.52	0.006	0.82	15.19	0.000	-0.01	10.59	0.001	NonUniform
15	MC	1370	13113	0.02	0.12	0.724	-0.47	3.61	0.058	0.01	4.26	0.039	
16	MC	1370	13113	-0.09	1.71	0.191	0.67	5.56	0.018	-0.02	7.59	0.006	NonUniform
17	MC	1370	13113	0.04	0.43	0.513	0.84	12.27	0.000	-0.02	11.98	0.001	NonUniform
18	MC	2629	26310	-0.01	0.09	0.764	-0.13	0.50	0.482	0.00	0.42	0.516	
19	MC	2629	26310	0.03	0.38	0.540	1.01	35.06	0.000	-0.02	35.37	0.000	NonUniform
20	MC	2629	26310	0.20	18.93	0.000	0.08	0.18	0.671	0.00	0.43	0.514	Uniform>
21	MC	1259	13197	0.00	0.00	0.988	0.59	5.06	0.024	-0.01	5.54	0.019	
22	MC	2629	26310	0.09	3.18	0.075	0.87	20.80	0.000	-0.02	18.11	0.000	NonUniform
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	-0.07	0.89	0.346	0.17	0.34	0.559	-0.01	0.72	0.396	
25	MC	1259	13197	0.04	0.43	0.510	0.22	0.75	0.386	0.00	0.53	0.469	
26	MC	1370	13113	0.03	0.12	0.729	0.10	0.08	0.778	0.00	0.05	0.832	
27	MC	1370	13113	0.13	4.28	0.039	0.21	0.75	0.388	0.00	0.12	0.728	
28	MC	1370	13113	0.27	18.67	0.000	0.89	13.31	0.000	-0.01	6.80	0.009	NonUniform
29	MC	1259	13197	0.06	0.94	0.332	0.10	0.13	0.716	0.00	0.02	0.889	
30	MC	1259	13197	-0.15	6.08	0.014	-0.95	15.02	0.000	0.02	11.20	0.001	NonUniform
31	MC	1259	13197	0.08	1.71	0.191	-0.19	0.57	0.450	0.01	1.25	0.264	
32	MC	1370	13113	0.12	2.81	0.094	0.11	0.12	0.733	0.00	0.00	0.985	
33	MC	1370	13113	-0.11	3.21	0.073	0.95	16.40	0.000	-0.02	21.89	0.000	NonUniform
34	MC	1259	13197	-0.01	0.01	0.928	0.44	2.24	0.134	-0.01	2.42	0.120	
35	MC	1259	13197	0.09	2.05	0.153	0.16	0.39	0.534	0.00	0.08	0.783	
91	SA3	1259	13197	0.01	0.01	0.923	0.40	3.08	0.079	-0.01	3.21	0.073	
92	SA1	1259	13197	0.12	2.81	0.094	0.03	0.01	0.926	0.00	0.10	0.746	
93	SA1	1370	13113	0.02	0.13	0.723	0.50	3.69	0.055	-0.01	3.54	0.060	
94	SA1	1259	13197	-0.23	1.48	0.224	0.04	0.00	0.959	-0.01	0.12	0.732	
99	SA3	1370	13113	0.18	10.80	0.001	1.02	26.80	0.000	-0.02	19.72	0.000	NonUniform
100	SA1	1370	13113	-0.13	1.40	0.237	0.38	0.92	0.337	-0.01	1.73	0.188	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.127: 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
1	MC	10134	4322	-0.03	0.64	0.423	-0.23	2.42	0.120	0.00	1.96	0.161	
2	MC	10134	4322	-0.01	0.05	0.831	-0.16	0.92	0.337	0.00	0.87	0.350	
3	MC	10134	4322	0.07	2.64	0.104	0.03	0.03	0.870	0.00	0.04	0.842	
4	MC	20293	8646	-0.12	15.38	0.000	0.39	10.43	0.001	-0.01	19.27	0.000	NonUniform
5	MC	10134	4322	0.03	0.49	0.483	-0.14	0.62	0.430	0.00	0.94	0.332	
6	MC	10134	4322	-0.16	11.99	0.001	-0.38	3.47	0.062	0.00	1.21	0.271	Uniform<
7	MC	10159	4324	-0.02	0.31	0.579	0.06	0.12	0.728	0.00	0.24	0.625	
8	MC	10134	4322	-0.04	0.85	0.357	0.17	0.97	0.325	0.00	1.50	0.221	
9	MC	10134	4322	0.07	2.88	0.090	-0.01	0.00	0.946	0.00	0.19	0.659	
10	MC	10134	4322	0.07	3.62	0.057	0.21	1.75	0.186	0.00	0.81	0.369	
11	MC	10159	4324	-0.05	1.61	0.205	-0.33	3.41	0.065	0.01	2.54	0.111	
12	MC	10159	4324	-0.01	0.12	0.734	-0.26	1.97	0.161	0.01	1.85	0.173	
13	MC	10159	4324	-0.14	8.94	0.003	0.24	1.82	0.178	-0.01	4.85	0.028	Uniform<
14	MC	10159	4324	-0.08	4.18	0.041	-0.06	0.18	0.670	0.00	0.01	0.921	
15	MC	10159	4324	-0.07	2.15	0.143	-0.01	0.01	0.941	0.00	0.12	0.734	
16	MC	10159	4324	0.01	0.03	0.872	-0.29	1.87	0.171	0.01	2.07	0.150	
17	MC	10159	4324	-0.03	0.40	0.526	-0.42	5.61	0.018	0.01	5.21	0.022	
18	MC	20293	8646	0.02	0.72	0.395	-0.02	0.02	0.896	0.00	0.11	0.736	
19	MC	20293	8646	-0.02	0.75	0.385	0.06	0.25	0.617	0.00	0.51	0.474	
20	MC	20293	8646	-0.02	0.79	0.373	0.17	1.86	0.172	0.00	2.58	0.108	
21	MC	10134	4322	-0.24	24.70	0.000	0.09	0.25	0.617	-0.01	3.41	0.065	Uniform<
22	MC	20293	8646	0.05	2.67	0.102	-0.23	2.85	0.091	0.01	4.61	0.032	
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	-0.01	0.01	0.920	-0.51	5.87	0.015	0.01	6.15	0.013	
25	MC	10134	4322	-0.17	16.54	0.000	-0.25	2.19	0.139	0.00	0.27	0.606	Uniform<
26	MC	10159	4324	0.01	0.03	0.864	-0.66	7.76	0.005	0.01	8.35	0.004	NonUniform
27	MC	10159	4324	0.05	1.38	0.240	0.00	0.00	0.994	0.00	0.07	0.787	
28	MC	10159	4324	-0.04	0.86	0.353	-0.03	0.04	0.850	0.00	0.00	0.983	
29	MC	10134	4322	-0.03	0.49	0.482	-0.15	0.69	0.407	0.00	0.48	0.490	
30	MC	10134	4322	-0.08	4.30	0.038	-0.10	0.38	0.537	0.00	0.01	0.931	
31	MC	10134	4322	0.06	2.64	0.104	-0.11	0.51	0.477	0.00	1.29	0.256	
32	MC	10159	4324	0.05	1.23	0.267	-0.56	6.68	0.010	0.01	8.27	0.004	NonUniform
33	MC	10159	4324	-0.01	0.08	0.782	-0.25	2.21	0.137	0.00	2.13	0.144	
34	MC	10134	4322	-0.05	1.28	0.259	0.13	0.41	0.519	0.00	0.81	0.367	
35	MC	10134	4322	0.03	0.45	0.501	-0.04	0.07	0.789	0.00	0.19	0.661	
91	SA3	10134	4322	0.02	0.25	0.618	0.21	1.92	0.166	0.00	1.70	0.193	
92	SA1	10134	4322	0.07	2.89	0.089	0.48	5.81	0.016	-0.01	4.39	0.036	
93	SA1	10159	4324	0.03	0.60	0.437	0.23	1.58	0.209	0.00	1.23	0.267	
94	SA1	10134	4322	-0.04	0.19	0.662	0.74	2.37	0.124	-0.01	2.78	0.095	
99	SA3	10159	4324	0.10	8.63	0.003	-0.16	1.24	0.266	0.00	3.50	0.061	Uniform>
100	SA1	10159	4324	0.18	8.17	0.004	0.05	0.03	0.860	0.00	0.26	0.611	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.128: 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
1	MC	10134	2129	-0.05	1.06	0.303	-0.18	0.76	0.384	0.00	0.42	0.516	
2	MC	10134	2129	0.04	0.62	0.430	0.52	4.57	0.033	-0.01	4.08	0.043	
3	MC	10134	2129	0.16	9.01	0.003	0.59	4.94	0.026	-0.01	2.73	0.098	Uniform>
4	MC	20293	4344	-0.23	31.47	0.000	0.17	1.01	0.314	-0.01	5.94	0.015	Uniform<
5	MC	10134	2129	-0.01	0.07	0.794	-0.10	0.18	0.668	0.00	0.15	0.702	
6	MC	10134	2129	-0.10	2.59	0.108	0.05	0.03	0.860	0.00	0.28	0.595	
7	MC	10159	2215	-0.03	0.37	0.544	0.58	4.86	0.027	-0.01	5.68	0.017	
8	MC	10134	2129	-0.01	0.04	0.833	0.38	2.45	0.118	-0.01	2.71	0.100	
9	MC	10134	2129	0.13	6.11	0.013	0.60	4.85	0.028	-0.01	3.08	0.079	
10	MC	10134	2129	0.12	5.83	0.016	0.08	0.13	0.718	0.00	0.04	0.852	
11	MC	10159	2215	0.00	0.00	0.964	0.17	0.45	0.504	0.00	0.45	0.500	
12	MC	10159	2215	0.02	0.14	0.707	-0.04	0.03	0.872	0.00	0.06	0.803	
13	MC	10159	2215	-0.14	5.86	0.016	0.13	0.29	0.588	-0.01	1.34	0.247	
14	MC	10159	2215	-0.03	0.29	0.588	0.31	2.10	0.147	-0.01	2.62	0.105	
15	MC	10159	2215	0.05	0.79	0.375	0.20	0.66	0.416	0.00	0.37	0.540	
16	MC	10159	2215	0.08	1.80	0.180	0.06	0.04	0.846	0.00	0.01	0.934	
17	MC	10159	2215	0.03	0.37	0.544	-0.19	0.63	0.427	0.00	0.92	0.338	
18	MC	20293	4344	0.06	2.26	0.133	-0.07	0.15	0.695	0.00	0.55	0.460	
19	MC	20293	4344	0.00	0.02	0.898	0.65	13.86	0.000	-0.01	14.30	0.000	NonUniform
20	MC	20293	4344	0.02	0.46	0.496	0.22	1.76	0.184	0.00	1.47	0.226	
21	MC	10134	2129	-0.28	18.26	0.000	0.42	2.34	0.126	-0.02	6.78	0.009	NonUniform
22	MC	20293	4344	0.04	0.88	0.349	0.40	3.93	0.048	-0.01	3.31	0.069	
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	0.10	2.01	0.156	0.26	0.69	0.406	0.00	0.28	0.597	
25	MC	10134	2129	-0.14	6.35	0.012	-0.02	0.01	0.921	0.00	0.23	0.631	
26	MC	10159	2215	0.14	4.86	0.027	-0.12	0.13	0.720	0.01	0.66	0.418	
27	MC	10159	2215	0.09	3.13	0.077	0.36	2.33	0.127	-0.01	1.39	0.238	
28	MC	10159	2215	0.03	0.37	0.541	0.46	3.49	0.062	-0.01	3.18	0.075	
29	MC	10134	2129	-0.10	3.59	0.058	-0.31	1.71	0.190	0.00	0.85	0.355	
30	MC	10134	2129	-0.07	1.63	0.202	-0.18	0.70	0.404	0.00	0.30	0.587	
31	MC	10134	2129	0.19	13.77	0.000	0.44	3.82	0.051	-0.01	1.35	0.245	Uniform>
32	MC	10159	2215	0.18	9.36	0.002	0.24	0.62	0.430	0.00	0.05	0.831	Uniform>
33	MC	10159	2215	0.03	0.28	0.596	0.44	3.29	0.069	-0.01	3.04	0.081	
34	MC	10134	2129	-0.02	0.08	0.778	0.31	1.32	0.251	-0.01	1.51	0.220	
35	MC	10134	2129	0.07	1.81	0.179	0.19	0.68	0.410	0.00	0.29	0.589	
91	SA3	10134	2129	0.13	7.76	0.005	0.92	17.73	0.000	-0.02	13.72	0.000	NonUniform
92	SA1	10134	2129	0.08	2.25	0.134	0.52	3.64	0.056	-0.01	2.69	0.101	
93	SA1	10159	2215	0.05	0.98	0.323	0.17	0.43	0.510	0.00	0.21	0.647	
94	SA1	10134	2129	0.02	0.02	0.886	0.62	0.88	0.349	-0.01	0.87	0.351	
99	SA3	10159	2215	0.22	24.70	0.000	0.11	0.30	0.585	0.00	0.34	0.559	Uniform>
100	SA1	10159	2215	0.13	2.35	0.125	-0.70	3.94	0.047	0.02	5.64	0.018	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.129: 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
1	MC	2193	2129	-0.05	0.63	0.427	0.10	0.15	0.694	0.00	0.37	0.541	
2	MC	2193	2129	0.09	1.80	0.179	1.15	16.22	0.000	-0.02	14.66	0.000	NonUniform
3	MC	2193	2129	0.18	7.11	0.008	0.93	8.69	0.003	-0.02	5.87	0.015	Uniform>
4	MC	4302	4344	-0.20	13.76	0.000	-0.32	2.49	0.115	0.00	0.39	0.530	Uniform<
5	MC	2193	2129	-0.09	1.78	0.182	0.08	0.08	0.784	0.00	0.35	0.556	
6	MC	2193	2129	0.11	2.03	0.154	0.71	4.33	0.037	-0.01	3.25	0.072	
7	MC	2109	2215	-0.02	0.09	0.770	0.90	8.26	0.004	-0.02	9.12	0.003	NonUniform
8	MC	2193	2129	0.06	0.75	0.387	0.35	1.48	0.223	-0.01	1.10	0.295	
9	MC	2193	2129	0.12	3.01	0.083	1.04	10.45	0.001	-0.02	8.60	0.003	NonUniform
10	MC	2193	2129	0.10	2.61	0.107	-0.27	0.98	0.323	0.01	2.00	0.157	
11	MC	2109	2215	0.10	2.20	0.138	0.85	8.28	0.004	-0.02	6.76	0.009	NonUniform
12	MC	2109	2215	0.07	0.79	0.374	0.38	1.50	0.220	-0.01	1.09	0.297	
13	MC	2109	2215	0.00	0.00	0.969	-0.18	0.34	0.558	0.00	0.38	0.537	
14	MC	2109	2215	0.11	2.65	0.104	0.63	6.17	0.013	-0.01	4.58	0.032	
15	MC	2109	2215	0.26	10.44	0.001	0.30	1.07	0.300	0.00	0.02	0.885	Uniform>
16	MC	2109	2215	0.14	3.27	0.071	0.60	2.94	0.086	-0.01	1.82	0.178	
17	MC	2109	2215	0.11	2.31	0.128	0.37	1.64	0.201	-0.01	0.87	0.352	
18	MC	4302	4344	0.06	1.77	0.184	-0.10	0.22	0.637	0.00	0.65	0.421	
19	MC	4302	4344	0.06	1.55	0.214	1.01	24.07	0.000	-0.02	22.58	0.000	NonUniform
20	MC	4302	4344	0.11	5.26	0.022	0.08	0.16	0.691	0.00	0.02	0.900	
21	MC	2193	2129	-0.06	0.51	0.474	0.55	2.95	0.086	-0.01	3.87	0.049	
22	MC	4302	4344	-0.04	0.59	0.442	1.06	20.56	0.000	-0.02	23.55	0.000	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	0.17	3.77	0.052	1.23	11.81	0.001	-0.02	9.29	0.002	NonUniform
25	MC	2193	2129	0.06	0.67	0.414	0.38	1.79	0.181	-0.01	1.38	0.241	
26	MC	2109	2215	0.25	9.03	0.003	0.91	5.50	0.019	-0.01	3.02	0.082	Uniform>
27	MC	2109	2215	0.09	1.72	0.190	0.64	4.97	0.026	-0.01	3.93	0.047	
28	MC	2109	2215	0.14	4.41	0.036	0.87	8.59	0.003	-0.01	6.35	0.012	
29	MC	2193	2129	-0.14	4.67	0.031	-0.28	0.89	0.345	0.00	0.22	0.638	
30	MC	2193	2129	0.03	0.21	0.649	-0.16	0.36	0.546	0.00	0.56	0.454	
31	MC	2193	2129	0.23	13.38	0.000	0.89	11.19	0.001	-0.01	6.45	0.011	Uniform>
32	MC	2109	2215	0.24	10.61	0.001	1.41	15.30	0.000	-0.02	10.95	0.001	NonUniform
33	MC	2109	2215	0.07	1.06	0.303	1.20	17.58	0.000	-0.02	16.54	0.000	NonUniform
34	MC	2193	2129	0.07	0.96	0.328	0.32	0.91	0.339	-0.01	0.59	0.443	
35	MC	2193	2129	0.08	1.50	0.220	0.40	2.00	0.157	-0.01	1.34	0.248	
91	SA3	2193	2129	0.22	14.11	0.000	1.16	20.10	0.000	-0.02	13.83	0.000	NonUniform
92	SA1	2193	2129	0.03	0.22	0.641	0.08	0.05	0.822	0.00	0.02	0.900	
93	SA1	2109	2215	0.05	0.47	0.495	-0.13	0.16	0.689	0.00	0.32	0.569	
94	SA1	2193	2129	0.14	0.73	0.393	-0.23	0.08	0.774	0.01	0.21	0.644	
99	SA3	2109	2215	0.23	17.08	0.000	0.45	3.67	0.055	0.00	0.89	0.344	Uniform>
100	SA1	2109	2215	-0.12	1.25	0.264	-1.48	9.78	0.002	0.03	8.74	0.003	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.130: 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
1	MC	169	2129	-0.22	1.88	0.171	0.00	0.00	0.995	0.00	0.09	0.764	
2	MC	169	2129	0.12	0.51	0.474	-0.33	0.14	0.709	0.01	0.27	0.600	
3	MC	169	2129	-0.04	0.06	0.806	0.50	0.32	0.570	-0.01	0.40	0.529	
4	MC	262	4344	-0.45	9.88	0.002	-0.81	1.49	0.222	0.01	0.31	0.577	Uniform<
5	MC	169	2129	-0.12	0.46	0.500	0.04	0.00	0.958	0.00	0.04	0.846	
6	MC	169	2129	0.42	4.25	0.039	2.07	5.15	0.023	-0.04	3.50	0.061	
7	MC	93	2215	0.03	0.02	0.898	0.59	0.26	0.609	-0.01	0.25	0.620	
8	MC	169	2129	-0.02	0.02	0.901	0.99	1.56	0.212	-0.02	1.70	0.192	
9	MC	169	2129	0.05	0.08	0.778	1.23	2.06	0.151	-0.02	1.98	0.160	
10	MC	169	2129	0.43	6.55	0.011	-0.24	0.08	0.774	0.01	0.69	0.404	
11	MC	93	2215	-0.13	0.28	0.594	-0.80	0.42	0.518	0.01	0.31	0.579	
12	MC	93	2215	-0.43	3.29	0.070	-0.30	0.06	0.799	0.00	0.01	0.905	
13	MC	93	2215	-0.07	0.07	0.797	-0.05	0.00	0.963	0.00	0.00	0.989	
14	MC	93	2215	-0.46	4.38	0.036	-0.92	0.78	0.377	0.01	0.20	0.652	
15	MC	93	2215	0.07	0.08	0.782	-2.67	3.66	0.056	0.06	3.88	0.049	
16	MC	93	2215	0.17	0.41	0.523	0.46	0.13	0.720	-0.01	0.05	0.816	
17	MC	93	2215	0.05	0.04	0.845	-0.16	0.02	0.886	0.00	0.04	0.849	
18	MC	262	4344	0.07	0.26	0.609	0.90	1.96	0.162	-0.02	1.71	0.191	
19	MC	262	4344	-0.03	0.05	0.818	2.03	11.33	0.001	-0.04	12.21	0.000	NonUniform
20	MC	262	4344	0.36	7.19	0.007	-0.52	0.56	0.455	0.02	1.67	0.197	Uniform>
21	MC	169	2129	0.23	1.04	0.307	-2.06	2.81	0.094	0.06	3.47	0.063	
22	MC	262	4344	0.10	0.38	0.539	0.82	1.23	0.268	-0.02	1.00	0.316	
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	0.21	0.46	0.499	1.60	1.69	0.194	-0.03	1.39	0.238	
25	MC	169	2129	0.39	4.42	0.036	0.18	0.04	0.839	0.00	0.06	0.807	
26	MC	93	2215	0.21	0.55	0.456	-0.15	0.01	0.923	0.01	0.06	0.812	
27	MC	93	2215	0.36	2.53	0.112	1.74	3.23	0.072	-0.03	2.14	0.144	
28	MC	93	2215	0.33	2.03	0.155	0.63	0.32	0.569	-0.01	0.08	0.783	
29	MC	169	2129	0.12	0.53	0.466	0.07	0.01	0.936	0.00	0.00	0.944	
30	MC	169	2129	0.29	2.54	0.111	-0.53	0.41	0.524	0.02	1.00	0.317	
31	MC	169	2129	0.41	5.84	0.016	0.71	0.82	0.364	-0.01	0.16	0.693	
32	MC	93	2215	0.19	0.58	0.447	1.81	2.33	0.127	-0.03	1.95	0.162	
33	MC	93	2215	0.41	3.10	0.079	1.64	2.70	0.101	-0.03	1.61	0.205	
34	MC	169	2129	0.01	0.01	0.936	-0.66	0.44	0.505	0.01	0.48	0.489	
35	MC	169	2129	0.02	0.02	0.901	0.94	1.46	0.227	-0.02	1.47	0.225	
91	SA3	169	2129	-0.09	0.33	0.565	-0.34	0.20	0.655	0.01	0.12	0.732	
92	SA1	169	2129	0.06	0.11	0.744	0.98	1.17	0.280	-0.02	1.05	0.306	
93	SA1	93	2215	0.30	1.60	0.206	-0.67	0.32	0.573	0.02	0.70	0.402	
94	SA1	169	2129	-0.08	0.03	0.859	3.20	2.31	0.128	-0.07	2.26	0.133	
99	SA3	93	2215	-0.33	2.71	0.100	-0.17	0.03	0.854	0.00	0.03	0.862	
100	SA1	93	2215	-1.47	4.19	0.041	-4.19	1.14	0.285	0.05	0.55	0.457	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.131: 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
1	MC	5918	14456	0.27	54.42	0.000	-2.88	194.35	0.000	0.05	241.10	0.000	NonUniform
2	MC	5918	14456	0.14	15.29	0.000	-1.98	83.64	0.000	0.04	99.99	0.000	NonUniform
3	MC	5918	14456	0.14	10.07	0.002	-2.29	80.14	0.000	0.04	92.83	0.000	NonUniform
4	MC	12407	28939	0.19	31.50	0.000	-0.09	0.28	0.595	0.00	3.15	0.076	Uniform>
5	MC	5918	14456	0.03	0.63	0.428	-0.35	2.97	0.085	0.01	3.61	0.058	
6	MC	5918	14456	0.16	7.96	0.005	-1.23	17.70	0.000	0.03	23.30	0.000	NonUniform
7	MC	6489	14483	0.14	8.68	0.003	-1.69	49.66	0.000	0.03	59.66	0.000	NonUniform
8	MC	5918	14456	0.03	0.45	0.504	-1.03	23.24	0.000	0.02	25.34	0.000	NonUniform
9	MC	5918	14456	0.00	0.00	0.990	-1.19	26.23	0.000	0.02	27.16	0.000	NonUniform
10	MC	5918	14456	0.09	4.68	0.031	-1.58	55.98	0.000	0.03	64.38	0.000	NonUniform
11	MC	6489	14483	0.15	12.32	0.000	-1.62	49.16	0.000	0.03	60.91	0.000	NonUniform
12	MC	6489	14483	0.07	2.22	0.137	-0.78	11.10	0.001	0.02	13.73	0.000	NonUniform
13	MC	6489	14483	0.15	8.15	0.004	0.00	0.00	0.988	0.00	0.44	0.508	Uniform>
14	MC	6489	14483	0.14	13.91	0.000	-2.16	121.98	0.000	0.04	143.27	0.000	NonUniform
15	MC	6489	14483	0.06	1.60	0.206	-0.38	2.74	0.098	0.01	3.93	0.047	
16	MC	6489	14483	0.26	24.28	0.000	-1.29	20.87	0.000	0.03	31.06	0.000	NonUniform
17	MC	6489	14483	0.16	10.97	0.001	-2.22	79.42	0.000	0.04	93.32	0.000	NonUniform
18	MC	12407	28939	0.17	43.05	0.000	-2.22	213.73	0.000	0.04	258.32	0.000	NonUniform
19	MC	12407	28939	0.27	91.57	0.000	-2.42	223.39	0.000	0.05	284.53	0.000	NonUniform
20	MC	12407	28939	0.23	73.08	0.000	-2.33	214.94	0.000	0.04	269.10	0.000	NonUniform
21	MC	5918	14456	0.61	87.35	0.000	-0.11	0.13	0.718	0.01	5.98	0.014	Uniform>
22	MC	12407	28939	0.43	97.40	0.000	-0.63	9.28	0.002	0.02	27.03	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	0.26	13.01	0.000	-0.65	3.88	0.049	0.02	7.83	0.005	NonUniform
25	MC	5918	14456	0.32	47.39	0.000	-1.69	48.95	0.000	0.04	70.83	0.000	NonUniform
26	MC	6489	14483	0.15	5.70	0.017	-1.40	17.51	0.000	0.03	21.84	0.000	NonUniform
27	MC	6489	14483	0.15	15.94	0.000	-2.28	114.98	0.000	0.04	135.38	0.000	NonUniform
28	MC	6489	14483	0.11	7.66	0.006	-1.76	66.58	0.000	0.03	77.67	0.000	NonUniform
29	MC	5918	14456	0.02	0.34	0.558	-1.61	52.84	0.000	0.03	56.30	0.000	NonUniform
30	MC	5918	14456	-0.17	19.10	0.000	0.44	5.05	0.025	-0.01	10.29	0.001	NonUniform
31	MC	5918	14456	-0.05	1.57	0.211	-1.56	57.91	0.000	0.03	56.48	0.000	NonUniform
32	MC	6489	14483	0.15	9.42	0.002	-1.94	48.35	0.000	0.04	57.37	0.000	NonUniform
33	MC	6489	14483	0.29	55.19	0.000	-2.24	104.03	0.000	0.04	137.05	0.000	NonUniform
34	MC	5918	14456	0.11	6.52	0.011	-1.53	38.01	0.000	0.03	45.07	0.000	NonUniform
35	MC	5918	14456	0.18	17.43	0.000	-1.24	30.95	0.000	0.02	41.79	0.000	NonUniform
91	SA3	5918	14456	0.16	19.12	0.000	-1.09	30.04	0.000	0.02	40.53	0.000	NonUniform
92	SA1	5918	14456	-0.01	0.15	0.697	-0.67	9.07	0.003	0.01	8.99	0.003	NonUniform
93	SA1	6489	14483	-0.09	6.66	0.010	-0.87	17.27	0.000	0.01	14.26	0.000	NonUniform
94	SA1	5918	14456	0.18	5.86	0.015	-3.31	40.75	0.000	0.05	47.49	0.000	NonUniform
99	SA3	6489	14483	0.04	1.83	0.176	-1.88	125.47	0.000	0.03	135.75	0.000	NonUniform
100	SA1	6489	14483	-0.06	1.35	0.246	-0.31	1.07	0.300	0.00	0.71	0.400	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.132: 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
1	MC	3	20371	1.26	1.05	0.306	66.06	0.01	0.912	-1.69	0.01	0.916	
2	MC	3	20371	0.41	0.11	0.744	-60.63	0.01	0.919	1.59	0.01	0.921	
3	MC	3	20371	0.11	0.01	0.932	-60.63	0.01	0.925	1.58	0.01	0.927	
4	MC	4	41342	0.71	0.37	0.543	-10.79	0.31	0.575	0.33	0.34	0.563	
5	MC	3	20371	0.44	0.12	0.726	-60.53	0.01	0.920	1.58	0.01	0.921	
6	MC	3	20371	-0.54	0.17	0.677	-64.29	0.01	0.940	1.65	0.01	0.940	
7	MC	1	20971	-9.13	0.01	0.940	-9.13	0.01	0.940	0.00			
8	MC	3	20371	-9.52	0.01	0.921	-6.94	0.00	0.991	-0.07	0.00	0.997	
9	MC	3	20371	-9.21	0.01	0.922	-5.92	0.00	0.992	-0.09	0.00	0.996	
10	MC	3	20371	1.21	0.95	0.329	-610.68	0.01	0.906	18.81	0.01	0.905	
11	MC	1	20971	9.89	0.01	0.928	9.89	0.01	0.928	0.00			
12	MC	1	20971	-9.56	0.00	0.944	-9.56	0.00	0.944	0.00			
13	MC	1	20971	9.30	0.01	0.943	9.30	0.01	0.943	0.00			
14	MC	1	20971	-9.16	0.01	0.932	-9.16	0.01	0.932	0.00			
15	MC	1	20971	-10.55	0.01	0.941	-10.55	0.01	0.941	0.00			
16	MC	1	20971	-9.40	0.00	0.946	-9.40	0.00	0.946	0.00			
17	MC	1	20971	-9.69	0.00	0.944	-9.69	0.00	0.944	0.00			
18	MC	4	41342	-8.85	0.01	0.919	-7.05	0.00	0.991	-0.05	0.00	0.998	
19	MC	4	41342	2.08	3.17	0.075	-647.93	0.01	0.925	19.97	0.01	0.925	
20	MC	4	41342	-0.08	0.00	0.945	0.95	0.01	0.909	-0.03	0.02	0.901	
21	MC	3	20371	0.15	0.01	0.906	-5.50	0.16	0.689	0.16	0.16	0.688	
22	MC	4	41342	-0.08	0.01	0.937	-2.38	0.08	0.776	0.06	0.08	0.783	
23	MC	1	20971	10.09	0.01	0.921	10.09	0.01	0.921	0.00			
24	MC	1	20971	9.43	0.00	0.949	9.43	0.00	0.949	0.00			
25	MC	3	20371	-0.41	0.11	0.743	10.86	0.64	0.424	-0.32	0.62	0.432	
26	MC	1	20971	-9.91	0.00	0.953	-9.91	0.00	0.953	0.00			
27	MC	1	20971	-8.25	0.01	0.935	-8.25	0.01	0.935	0.00			
28	MC	1	20971	-8.30	0.01	0.935	-8.30	0.01	0.935	0.00			
29	MC	3	20371	-9.18	0.01	0.922	-6.45	0.00	0.991	-0.07	0.00	0.996	
30	MC	3	20371	0.36	0.09	0.767	-6.87	0.26	0.610	0.21	0.27	0.604	
31	MC	3	20371	1.18	0.92	0.338	-610.06	0.01	0.905	18.79	0.01	0.905	
32	MC	1	20971	-8.32	0.01	0.941	-8.32	0.01	0.941	0.00			
33	MC	1	20971	10.14	0.01	0.921	10.14	0.01	0.921	0.00			
34	MC	3	20371	0.36	0.08	0.776	618.74	0.01	0.905	-18.99	0.01	0.905	
35	MC	3	20371	1.17	0.88	0.347	-4.77	0.12	0.728	0.17	0.18	0.673	
91	SA3	3	20371	-0.60	0.29	0.592	0.49	0.01	0.944	-0.03	0.02	0.876	
92	SA1	3	20371	-8.77	0.01	0.935	-7.19	0.00	0.992	-0.04	0.00	0.998	
93	SA1	1	20971	-7.85	0.00	0.944	-7.85	0.00	0.944	0.00			
94	SA1	3	20371	-7.70	0.00	0.973	-5.27	0.00	0.997	-0.07	0.00	0.999	
99	SA3	1	20971	-8.69	0.01	0.906	-8.69	0.01	0.906	0.00			
100	SA1	1	20971	-7.76	0.00	0.965	-7.76	0.00	0.965	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, 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 10.133: 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
36	MC	13574	15360	-0.01	0.25	0.62	0.02	0.03	0.86	0.00	0.09	0.77	
37	MC	6819	7633	-0.05	1.72	0.19	-0.23	2.13	0.14	0.00	1.43	0.23	
38	MC	6819	7633	0.00	0.00	0.95	-0.26	2.67	0.10	0.01	2.76	0.10	
39	MC	13574	15360	0.07	6.86	0.01	-0.08	0.51	0.48	0.00	1.81	0.18	Uniform>
40	MC	6755	7727	0.06	2.99	0.08	-0.12	0.64	0.42	0.00	1.54	0.21	
41	MC	6819	7633	0.16	21.60	0.00	-0.14	0.81	0.37	0.01	3.97	0.05	Uniform>
42	MC	13574	15360	-0.07	7.37	0.01	-0.20	3.72	0.05	0.00	1.72	0.19	Uniform<
43	MC	6819	7633	-0.03	0.56	0.45	0.34	4.74	0.03	-0.01	5.80	0.02	
44	MC	6755	7727	0.01	0.09	0.77	-0.01	0.00	0.96	0.00	0.01	0.91	
45	MC	6819	7633	0.24	24.58	0.00	0.44	4.64	0.03	0.00	1.07	0.30	Uniform>
46	MC	6755	7727	0.12	9.67	0.00	-0.31	3.70	0.05	0.01	7.47	0.01	NonUniform
47	MC	6819	7633	0.07	3.03	0.08	0.06	0.10	0.75	0.00	0.00	0.98	
48	MC	6819	7633	0.04	1.16	0.28	-0.21	2.01	0.16	0.01	2.95	0.09	
49	MC	6819	7633	-0.06	2.69	0.10	0.10	0.39	0.53	0.00	1.03	0.31	
50	MC	6755	7727	-0.01	0.10	0.75	-0.02	0.01	0.92	0.00	0.00	0.97	
51	MC	6755	7727	0.04	0.81	0.37	0.35	3.76	0.05	-0.01	3.20	0.07	
52	MC	6755	7727	-0.05	2.02	0.16	-0.13	0.78	0.38	0.00	0.31	0.58	
53	MC	13574	15360	0.16	24.56	0.00	0.13	0.94	0.33	0.00	0.05	0.83	Uniform>
54	MC	6755	7727	0.20	33.40	0.00	0.17	1.34	0.25	0.00	0.06	0.81	Uniform>
55	MC	6819	7633	-0.08	5.33	0.02	-0.05	0.13	0.72	0.00	0.05	0.83	
56	MC	6755	7727	0.13	9.65	0.00	0.37	4.46	0.03	-0.01	1.98	0.16	Uniform>
57	MC	6755	7727	0.03	0.70	0.40	-0.14	0.74	0.39	0.00	1.19	0.28	
58	ER	6819	7633	0.44	164.40	0.00	0.88	36.91	0.00	-0.01	9.65	0.00	NonUniform
59	ER	6819	7633	0.34	101.68	0.00	0.52	13.26	0.00	0.00	1.67	0.20	Uniform>
60	ER	6755	7727	0.37	121.78	0.00	0.58	18.34	0.00	0.00	2.50	0.11	Uniform>
61	ER	6755	7727	0.31	77.79	0.00	0.59	18.00	0.00	-0.01	4.45	0.03	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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.134: 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
36	MC	25070	3869	-0.15	16.74	0.000	0.01	0.00	0.959	0.00	1.08	0.298	Uniform<
37	MC	12481	1975	-0.02	0.11	0.744	-0.01	0.00	0.967	0.00	0.00	0.971	
38	MC	12481	1975	0.14	7.18	0.007	-0.23	1.05	0.305	0.01	2.92	0.088	Uniform>
39	MC	25070	3869	-0.04	0.99	0.319	-0.06	0.12	0.729	0.00	0.01	0.910	
40	MC	12589	1894	-0.18	12.91	0.000	0.26	1.44	0.230	-0.01	4.47	0.035	Uniform<
41	MC	12481	1975	-0.18	12.48	0.000	-0.04	0.04	0.847	0.00	0.43	0.514	Uniform<
42	MC	25070	3869	-0.15	18.03	0.000	-0.05	0.14	0.705	0.00	0.52	0.472	Uniform<
43	MC	12481	1975	0.21	16.72	0.000	-0.77	12.85	0.000	0.02	22.05	0.000	NonUniform
44	MC	12589	1894	-0.09	2.72	0.099	-0.24	1.18	0.278	0.00	0.50	0.479	
45	MC	12481	1975	-0.04	0.42	0.518	-0.67	6.07	0.014	0.01	5.69	0.017	
46	MC	12589	1894	0.16	7.99	0.005	0.36	2.40	0.122	0.00	0.81	0.367	Uniform>
47	MC	12481	1975	-0.08	1.84	0.175	-0.16	0.37	0.543	0.00	0.11	0.742	
48	MC	12481	1975	-0.17	10.73	0.001	-0.08	0.15	0.695	0.00	0.18	0.669	Uniform<
49	MC	12481	1975	0.03	0.31	0.576	-0.23	1.00	0.318	0.01	1.35	0.244	
50	MC	12589	1894	0.17	10.65	0.001	-0.73	11.24	0.001	0.02	18.12	0.000	NonUniform
51	MC	12589	1894	-0.05	0.86	0.355	0.16	0.37	0.542	0.00	0.70	0.404	
52	MC	12589	1894	0.11	4.14	0.042	0.14	0.41	0.522	0.00	0.02	0.887	
53	MC	25070	3869	-0.12	5.62	0.018	-0.27	1.96	0.161	0.00	0.68	0.410	
54	MC	12589	1894	-0.17	10.07	0.002	-0.26	1.50	0.220	0.00	0.19	0.664	Uniform<
55	MC	12481	1975	-0.09	2.70	0.100	-0.44	4.74	0.029	0.01	3.28	0.070	
56	MC	12589	1894	-0.10	2.55	0.111	0.27	1.10	0.294	-0.01	2.20	0.138	
57	MC	12589	1894	0.08	1.71	0.191	-0.45	3.82	0.051	0.01	5.59	0.018	
58	ER	12481	1975	-0.05	0.88	0.349	-0.06	0.09	0.763	0.00	0.00	0.945	
59	ER	12481	1975	-0.02	0.14	0.707	-0.01	0.00	0.976	0.00	0.00	0.948	
60	ER	12589	1894	0.12	5.57	0.018	0.31	2.59	0.107	0.00	1.09	0.297	
61	ER	12589	1894	0.19	14.00	0.000	0.26	1.74	0.187	0.00	0.14	0.711	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.135: 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
36	MC	1961	26978	-0.09	3.05	0.081	-0.13	0.35	0.552	0.00	0.05	0.829	
37	MC	950	13506	0.04	0.27	0.605	-0.33	1.01	0.315	0.01	1.32	0.251	
38	MC	950	13506	-0.09	1.66	0.198	-0.53	2.50	0.114	0.01	1.79	0.181	
39	MC	1961	26978	-0.03	0.35	0.556	0.05	0.05	0.831	0.00	0.13	0.723	
40	MC	1011	13472	-0.09	1.66	0.198	0.04	0.02	0.892	0.00	0.19	0.664	
41	MC	950	13506	0.02	0.10	0.756	-0.19	0.34	0.560	0.00	0.45	0.504	
42	MC	1961	26978	0.00	0.01	0.934	-0.39	3.33	0.068	0.01	3.62	0.057	
43	MC	950	13506	0.05	0.58	0.446	0.49	2.58	0.108	-0.01	2.15	0.143	
44	MC	1011	13472	-0.11	2.58	0.109	0.00	0.00	0.993	0.00	0.14	0.710	
45	MC	950	13506	0.01	0.01	0.910	-0.23	0.29	0.593	0.01	0.33	0.567	
46	MC	1011	13472	0.10	1.81	0.179	0.40	1.61	0.205	-0.01	0.96	0.327	
47	MC	950	13506	0.09	1.47	0.226	0.36	0.96	0.326	-0.01	0.56	0.455	
48	MC	950	13506	-0.06	0.63	0.426	-0.22	0.50	0.481	0.00	0.29	0.591	
49	MC	950	13506	-0.14	3.42	0.065	-1.07	8.79	0.003	0.02	7.01	0.008	NonUniform
50	MC	1011	13472	-0.02	0.12	0.732	0.09	0.08	0.771	0.00	0.14	0.708	
51	MC	1011	13472	-0.04	0.34	0.558	-0.48	1.59	0.207	0.01	1.37	0.242	
52	MC	1011	13472	-0.08	1.35	0.245	0.22	0.57	0.452	-0.01	1.11	0.293	
53	MC	1961	26978	0.03	0.15	0.696	-0.21	0.54	0.461	0.01	0.72	0.397	
54	MC	1011	13472	0.03	0.22	0.639	0.02	0.00	0.946	0.00	0.00	0.967	
55	MC	950	13506	-0.10	2.02	0.155	-0.10	0.12	0.733	0.00	0.00	0.997	
56	MC	1011	13472	-0.01	0.01	0.916	0.12	0.11	0.742	0.00	0.13	0.716	
57	MC	1011	13472	-0.02	0.07	0.798	-0.82	5.22	0.022	0.02	5.18	0.023	
58	ER	950	13506	0.05	0.58	0.447	-0.20	0.44	0.506	0.01	0.74	0.390	
59	ER	950	13506	-0.01	0.01	0.906	-0.06	0.04	0.835	0.00	0.03	0.853	
60	ER	1011	13472	0.07	1.13	0.287	0.17	0.39	0.531	0.00	0.15	0.700	
61	ER	1011	13472	-0.23	12.34	0.000	-0.07	0.06	0.801	0.00	0.36	0.549	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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.136: 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
36	MC	2629	26310	0.25	32.85	0.000	0.74	19.34	0.000	-0.01	8.97	0.003	NonUniform
37	MC	1259	13197	-0.06	1.01	0.315	0.13	0.25	0.616	0.00	0.60	0.439	
38	MC	1259	13197	-0.08	1.64	0.201	0.80	10.24	0.001	-0.02	13.23	0.000	NonUniform
39	MC	2629	26310	-0.12	7.19	0.007	0.44	6.20	0.013	-0.01	10.73	0.001	NonUniform
40	MC	1370	13113	0.04	0.37	0.543	-0.38	2.47	0.116	0.01	3.21	0.073	
41	MC	1259	13197	0.07	1.33	0.249	0.31	1.51	0.219	-0.01	0.94	0.332	
42	MC	2629	26310	0.09	4.47	0.034	0.17	1.07	0.302	0.00	0.22	0.636	
43	MC	1259	13197	-0.23	11.69	0.001	0.19	0.54	0.461	-0.01	2.71	0.100	Uniform<
44	MC	1370	13113	-0.21	11.42	0.001	0.28	1.37	0.242	-0.01	4.52	0.033	Uniform<
45	MC	1259	13197	-0.10	1.93	0.165	0.43	1.96	0.162	-0.01	3.22	0.073	
46	MC	1370	13113	-0.14	4.78	0.029	0.91	16.03	0.000	-0.02	22.89	0.000	NonUniform
47	MC	1259	13197	-0.01	0.01	0.908	0.52	2.93	0.087	-0.01	3.17	0.075	
48	MC	1259	13197	-0.04	0.39	0.530	0.07	0.09	0.764	0.00	0.23	0.635	
49	MC	1259	13197	0.02	0.09	0.763	0.31	1.33	0.248	-0.01	1.24	0.265	
50	MC	1370	13113	-0.31	23.31	0.000	0.05	0.03	0.852	-0.01	2.14	0.144	Uniform<
51	MC	1370	13113	-0.13	3.61	0.057	0.06	0.04	0.841	0.00	0.44	0.507	
52	MC	1370	13113	-0.11	3.17	0.075	0.77	12.85	0.000	-0.02	17.99	0.000	NonUniform
53	MC	2629	26310	-0.05	0.91	0.340	-0.07	0.10	0.749	0.00	0.01	0.927	
54	MC	1370	13113	0.11	3.09	0.079	0.15	0.43	0.510	0.00	0.04	0.845	
55	MC	1259	13197	-0.16	6.44	0.011	0.74	10.42	0.001	-0.02	16.72	0.000	NonUniform
56	MC	1370	13113	-0.04	0.41	0.524	0.83	11.23	0.001	-0.02	13.47	0.000	NonUniform
57	MC	1370	13113	-0.06	0.73	0.394	1.26	29.46	0.000	-0.03	34.91	0.000	NonUniform
58	ER	1259	13197	-0.41	47.96	0.000	-1.04	19.55	0.000	0.01	7.81	0.005	NonUniform
59	ER	1259	13197	-0.31	28.46	0.000	-1.16	23.66	0.000	0.02	13.52	0.000	NonUniform
60	ER	1370	13113	-0.48	73.01	0.000	-1.08	26.00	0.000	0.01	8.73	0.003	NonUniform
61	ER	1370	13113	-0.45	64.09	0.000	-0.89	17.56	0.000	0.01	4.44	0.035	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.137: 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
36	MC	20293	8646	-0.05	3.77	0.052	-0.12	1.06	0.302	0.00	0.36	0.551	
37	MC	10134	4322	-0.07	2.90	0.089	-0.16	0.89	0.347	0.00	0.32	0.573	
38	MC	10134	4322	0.01	0.06	0.805	-0.24	1.98	0.159	0.01	2.26	0.132	
39	MC	20293	8646	-0.02	0.43	0.510	-0.01	0.01	0.924	0.00	0.00	0.953	
40	MC	10159	4324	-0.09	5.25	0.022	0.09	0.31	0.579	0.00	1.28	0.258	
41	MC	10134	4322	-0.10	6.69	0.010	-0.28	2.86	0.091	0.00	1.26	0.262	Uniform<
42	MC	20293	8646	-0.04	2.19	0.139	0.13	1.35	0.245	0.00	2.49	0.114	
43	MC	10134	4322	0.15	14.88	0.000	-0.58	12.32	0.000	0.01	20.51	0.000	NonUniform
44	MC	10159	4324	-0.07	2.94	0.086	-0.19	1.33	0.249	0.00	0.59	0.442	
45	MC	10134	4322	0.00	0.01	0.940	-0.13	0.33	0.563	0.00	0.33	0.564	
46	MC	10159	4324	0.12	8.49	0.004	-0.19	1.26	0.262	0.01	3.55	0.060	Uniform>
47	MC	10134	4322	-0.07	2.69	0.101	0.08	0.14	0.704	0.00	0.54	0.464	
48	MC	10134	4322	-0.10	6.90	0.009	-0.04	0.07	0.797	0.00	0.15	0.700	Uniform<
49	MC	10134	4322	0.03	0.56	0.455	-0.14	0.60	0.438	0.00	0.95	0.330	
50	MC	10159	4324	0.06	2.09	0.148	-0.31	3.50	0.061	0.01	5.13	0.023	
51	MC	10159	4324	-0.08	3.12	0.077	-0.09	0.19	0.662	0.00	0.00	0.959	
52	MC	10159	4324	0.05	1.45	0.228	-0.02	0.02	0.887	0.00	0.21	0.651	
53	MC	20293	8646	-0.03	0.94	0.331	0.03	0.03	0.854	0.00	0.19	0.665	
54	MC	10159	4324	-0.04	0.87	0.352	-0.04	0.06	0.806	0.00	0.00	0.986	
55	MC	10134	4322	-0.07	3.09	0.079	-0.28	3.08	0.079	0.00	1.83	0.177	
56	MC	10159	4324	-0.06	1.74	0.187	0.15	0.65	0.422	0.00	1.34	0.247	
57	MC	10159	4324	0.07	2.92	0.087	-0.52	8.78	0.003	0.01	12.18	0.000	NonUniform
58	ER	10134	4322	0.08	4.80	0.028	0.04	0.08	0.777	0.00	0.07	0.798	
59	ER	10134	4322	0.10	7.75	0.005	0.34	4.99	0.025	-0.01	2.59	0.108	Uniform>
60	ER	10159	4324	0.22	35.84	0.000	0.31	4.68	0.030	0.00	0.46	0.498	Uniform>
61	ER	10159	4324	0.23	36.46	0.000	0.42	7.88	0.005	0.00	1.75	0.186	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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.138: 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
36	MC	20293	4344	0.05	1.66	0.198	0.06	0.16	0.694	0.00	0.01	0.907	
37	MC	10134	2129	-0.04	0.66	0.417	0.19	0.69	0.406	0.00	1.06	0.303	
38	MC	10134	2129	0.00	0.00	0.947	0.24	1.00	0.318	0.00	1.02	0.313	
39	MC	20293	4344	0.06	2.60	0.107	0.26	2.22	0.136	0.00	1.37	0.242	
40	MC	10159	2215	0.01	0.03	0.854	0.52	5.18	0.023	-0.01	5.27	0.022	
41	MC	10134	2129	-0.12	5.78	0.016	-0.20	0.80	0.370	0.00	0.14	0.705	
42	MC	20293	4344	0.03	0.90	0.343	0.10	0.44	0.508	0.00	0.21	0.650	
43	MC	10134	2129	0.15	8.81	0.003	-0.28	1.49	0.223	0.01	3.66	0.056	Uniform>
44	MC	10159	2215	-0.01	0.02	0.893	0.01	0.00	0.973	0.00	0.00	0.948	
45	MC	10134	2129	0.02	0.09	0.764	0.46	2.06	0.151	-0.01	1.97	0.161	
46	MC	10159	2215	0.14	6.99	0.008	0.07	0.10	0.757	0.00	0.09	0.770	Uniform>
47	MC	10134	2129	0.04	0.56	0.455	0.56	3.85	0.050	-0.01	3.44	0.063	
48	MC	10134	2129	-0.06	1.65	0.199	0.42	3.44	0.064	-0.01	4.81	0.028	
49	MC	10134	2129	0.13	5.86	0.015	0.08	0.11	0.736	0.00	0.04	0.850	
50	MC	10159	2215	0.02	0.21	0.644	0.29	1.53	0.217	-0.01	1.36	0.244	
51	MC	10159	2215	-0.05	0.74	0.391	0.41	2.28	0.131	-0.01	2.95	0.086	
52	MC	10159	2215	0.11	4.70	0.030	0.35	2.51	0.113	0.00	1.27	0.260	
53	MC	20293	4344	0.05	1.01	0.314	0.55	6.61	0.010	-0.01	5.78	0.016	
54	MC	10159	2215	0.03	0.27	0.605	0.11	0.26	0.612	0.00	0.16	0.689	
55	MC	10134	2129	-0.10	3.75	0.053	-0.40	3.35	0.067	0.01	1.98	0.160	
56	MC	10159	2215	0.01	0.06	0.806	0.50	3.45	0.063	-0.01	3.41	0.065	
57	MC	10159	2215	0.07	1.55	0.212	0.01	0.00	0.972	0.00	0.06	0.802	
58	ER	10134	2129	0.06	1.37	0.241	-0.13	0.39	0.534	0.00	0.83	0.362	
59	ER	10134	2129	0.04	0.82	0.365	-0.08	0.13	0.714	0.00	0.35	0.556	
60	ER	10159	2215	0.23	24.87	0.000	0.19	0.91	0.340	0.00	0.05	0.821	Uniform>
61	ER	10159	2215	0.20	16.72	0.000	0.20	0.95	0.330	0.00	0.00	0.989	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.139: 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
36	MC	4302	4344	0.20	18.82	0.000	0.29	2.22	0.136	0.00	0.24	0.626	Uniform>
37	MC	2193	2129	0.04	0.48	0.490	0.60	4.69	0.030	-0.01	4.26	0.039	
38	MC	2193	2129	-0.02	0.14	0.712	0.83	8.57	0.003	-0.02	9.60	0.002	NonUniform
39	MC	4302	4344	0.16	11.02	0.001	0.44	4.55	0.033	-0.01	1.94	0.164	Uniform>
40	MC	2109	2215	0.20	10.10	0.001	0.72	7.19	0.007	-0.01	3.94	0.047	Uniform>
41	MC	2193	2129	-0.05	0.58	0.448	0.14	0.27	0.603	0.00	0.52	0.473	
42	MC	4302	4344	0.16	11.75	0.001	-0.07	0.13	0.718	0.00	1.57	0.210	Uniform>
43	MC	2193	2129	-0.03	0.17	0.678	0.53	3.67	0.055	-0.01	4.30	0.038	
44	MC	2109	2215	0.12	3.44	0.064	0.34	1.55	0.214	0.00	0.68	0.408	
45	MC	2193	2129	0.04	0.20	0.658	0.96	6.78	0.009	-0.02	6.61	0.010	
46	MC	2109	2215	0.03	0.17	0.677	0.46	2.66	0.103	-0.01	2.49	0.115	
47	MC	2193	2129	0.22	10.19	0.001	0.79	5.39	0.020	-0.01	2.89	0.089	Uniform>
48	MC	2193	2129	0.07	1.26	0.262	0.78	8.38	0.004	-0.01	7.33	0.007	NonUniform
49	MC	2193	2129	0.19	7.63	0.006	0.33	1.29	0.256	0.00	0.26	0.611	Uniform>
50	MC	2109	2215	-0.08	1.57	0.210	1.06	14.35	0.000	-0.02	17.58	0.000	NonUniform
51	MC	2109	2215	0.06	0.64	0.423	0.89	7.30	0.007	-0.02	6.71	0.010	NonUniform
52	MC	2109	2215	0.12	3.53	0.060	0.63	5.82	0.016	-0.01	4.05	0.044	
53	MC	4302	4344	0.16	7.34	0.007	0.84	11.21	0.001	-0.02	7.69	0.006	NonUniform
54	MC	2109	2215	0.13	3.86	0.049	0.25	0.89	0.345	0.00	0.22	0.637	
55	MC	2193	2129	-0.07	1.16	0.282	-0.20	0.60	0.438	0.00	0.27	0.605	
56	MC	2109	2215	0.17	4.46	0.035	0.57	3.16	0.076	-0.01	1.69	0.194	
57	MC	2109	2215	-0.03	0.22	0.640	0.90	9.54	0.002	-0.02	10.89	0.001	NonUniform
58	ER	2193	2129	-0.04	0.49	0.482	-0.24	0.86	0.353	0.00	0.61	0.436	
59	ER	2193	2129	-0.10	2.73	0.099	-0.70	7.54	0.006	0.01	5.83	0.016	
60	ER	2109	2215	0.04	0.47	0.492	-0.20	0.64	0.423	0.00	1.01	0.314	
61	ER	2109	2215	-0.05	0.51	0.474	-0.35	1.92	0.166	0.01	1.54	0.214	

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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.140: 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
36	MC	262	4344	-0.14	1.03	0.309	-0.40	0.36	0.548	0.01	0.16	0.687	
37	MC	169	2129	-0.21	1.43	0.231	0.69	0.74	0.390	-0.02	1.29	0.255	
38	MC	169	2129	-0.34	3.97	0.046	-0.69	0.61	0.436	0.01	0.16	0.689	
39	MC	262	4344	0.19	1.89	0.169	1.41	5.14	0.023	-0.03	4.05	0.044	
40	MC	93	2215	-0.06	0.07	0.792	1.40	2.06	0.151	-0.03	2.32	0.128	
41	MC	169	2129	0.08	0.22	0.643	-0.28	0.12	0.732	0.01	0.20	0.655	
42	MC	262	4344	0.06	0.22	0.640	-0.01	0.00	0.992	0.00	0.01	0.907	
43	MC	169	2129	-0.58	9.37	0.002	0.99	1.32	0.250	-0.03	3.38	0.066	Uniform<
44	MC	93	2215	-0.10	0.22	0.641	0.27	0.07	0.794	-0.01	0.14	0.711	
45	MC	169	2129	-0.03	0.02	0.881	0.12	0.01	0.912	0.00	0.02	0.887	
46	MC	93	2215	-0.05	0.04	0.843	1.00	1.00	0.316	-0.02	1.16	0.281	
47	MC	169	2129	0.46	6.66	0.010	2.02	5.72	0.017	-0.03	3.56	0.059	Uniform>
48	MC	169	2129	-0.58	11.67	0.001	0.15	0.03	0.856	-0.01	0.86	0.354	Uniform<
49	MC	169	2129	-0.11	0.40	0.525	0.06	0.00	0.944	0.00	0.04	0.838	
50	MC	93	2215	-0.46	3.80	0.051	0.97	0.84	0.360	-0.03	1.88	0.170	
51	MC	93	2215	-0.48	3.92	0.048	-0.38	0.08	0.771	0.00	0.01	0.936	
52	MC	93	2215	-0.30	1.76	0.185	0.92	0.91	0.340	-0.02	1.66	0.197	
53	MC	262	4344	0.49	7.16	0.007	0.91	1.18	0.277	-0.01	0.26	0.607	Uniform>
54	MC	93	2215	0.19	0.69	0.405	1.39	2.21	0.137	-0.02	1.76	0.185	
55	MC	169	2129	-0.14	0.71	0.399	-0.40	0.26	0.614	0.01	0.11	0.742	
56	MC	93	2215	0.22	0.69	0.408	-1.04	0.56	0.455	0.03	0.84	0.359	
57	MC	93	2215	-0.07	0.08	0.778	0.06	0.00	0.954	0.00	0.01	0.904	
58	ER	169	2129	-0.01	0.00	0.946	1.13	2.49	0.115	-0.02	2.68	0.102	
59	ER	169	2129	0.47	8.50	0.004	0.42	0.31	0.579	0.00	0.00	0.946	Uniform>
60	ER	93	2215	0.39	3.34	0.068	1.46	2.72	0.099	-0.02	1.57	0.210	
61	ER	93	2215	0.17	0.60	0.438	0.13	0.02	0.891	0.00	0.00	0.967	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.141: 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
36	MC	12407	28939	0.24	83.98	0.000	-1.69	133.43	0.000	0.03	180.27	0.000	NonUniform
37	MC	5918	14456	0.25	46.59	0.000	-1.96	83.70	0.000	0.04	110.63	0.000	NonUniform
38	MC	5918	14456	0.43	103.03	0.000	-1.83	61.47	0.000	0.04	95.96	0.000	NonUniform
39	MC	12407	28939	0.12	16.33	0.000	-2.47	211.56	0.000	0.05	239.98	0.000	NonUniform
40	MC	6489	14483	0.06	3.13	0.077	-1.75	80.98	0.000	0.03	90.48	0.000	NonUniform
41	MC	5918	14456	0.11	8.39	0.004	-0.47	5.49	0.019	0.01	8.58	0.003	NonUniform
42	MC	12407	28939	0.04	2.00	0.157	-1.26	85.86	0.000	0.02	94.94	0.000	NonUniform
43	MC	5918	14456	-0.02	0.36	0.548	-1.28	38.88	0.000	0.02	39.05	0.000	NonUniform
44	MC	6489	14483	0.12	10.79	0.001	-1.59	63.96	0.000	0.03	76.79	0.000	NonUniform
45	MC	5918	14456	0.34	20.93	0.000	-1.18	10.58	0.001	0.03	17.96	0.000	NonUniform
46	MC	6489	14483	0.15	11.97	0.001	-3.10	162.82	0.000	0.06	183.23	0.000	NonUniform
47	MC	5918	14456	0.27	40.65	0.000	-2.34	78.20	0.000	0.05	100.10	0.000	NonUniform
48	MC	5918	14456	0.29	51.12	0.000	-2.84	154.87	0.000	0.05	193.11	0.000	NonUniform
49	MC	5918	14456	0.18	17.87	0.000	-2.08	74.71	0.000	0.04	91.00	0.000	NonUniform
50	MC	6489	14483	0.08	5.36	0.021	-1.07	29.41	0.000	0.02	35.54	0.000	NonUniform
51	MC	6489	14483	0.07	2.95	0.086	-0.65	8.09	0.004	0.01	10.46	0.001	NonUniform
52	MC	6489	14483	0.14	14.80	0.000	-1.78	81.00	0.000	0.03	98.22	0.000	NonUniform
53	MC	12407	28939	0.28	34.84	0.000	-0.88	15.58	0.000	0.02	27.83	0.000	NonUniform
54	MC	6489	14483	0.10	6.55	0.010	-1.13	34.29	0.000	0.02	41.95	0.000	NonUniform
55	MC	5918	14456	0.33	55.35	0.000	-1.49	44.50	0.000	0.03	68.27	0.000	NonUniform
56	MC	6489	14483	0.17	9.95	0.002	-0.26	1.13	0.287	0.01	3.17	0.075	Uniform>
57	MC	6489	14483	0.26	28.28	0.000	-2.03	65.68	0.000	0.04	85.26	0.000	NonUniform
58	ER	5918	14456	0.25	38.33	0.000	0.92	18.65	0.000	-0.01	10.32	0.001	NonUniform
59	ER	5918	14456	0.20	25.28	0.000	0.90	18.89	0.000	-0.01	12.01	0.001	NonUniform
60	ER	6489	14483	0.19	27.27	0.000	0.52	7.80	0.005	-0.01	3.28	0.070	Uniform>
61	ER	6489	14483	0.34	71.14	0.000	0.88	18.57	0.000	-0.01	7.35	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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.142: 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
36	MC	4	41342	-0.13	0.01	0.914	0.43	0.00	0.959	-0.01	0.00	0.947	
37	MC	3	20371	1.79	2.08	0.149	-4.53	0.11	0.741	0.18	0.20	0.654	
38	MC	3	20371	1.50	1.43	0.231	68.14	0.01	0.913	-1.74	0.01	0.917	
39	MC	4	41342	11.01	0.02	0.899	14.08	0.00	0.982	-0.08	0.00	0.996	
40	MC	1	20971	-8.25	0.01	0.934	-8.25	0.01	0.934	0.00			
41	MC	3	20371	-9.29	0.01	0.921	-7.25	0.00	0.990	-0.05	0.00	0.997	
42	MC	4	41342	-0.15	0.02	0.896	-1.21	0.02	0.884	0.03	0.02	0.897	
43	MC	3	20371	1.82	2.16	0.141	-4.90	0.13	0.721	0.19	0.23	0.635	
44	MC	1	20971	-8.32	0.01	0.934	-8.32	0.01	0.934	0.00			
45	MC	3	20371	-12.04	0.00	0.945	-7.56	0.00	0.995	-0.12	0.00	0.997	
46	MC	1	20971	9.81	0.01	0.929	9.81	0.01	0.929	0.00			
47	MC	3	20371	-9.95	0.00	0.948	-6.02	0.00	0.995	-0.10	0.00	0.997	
48	MC	3	20371	-0.17	0.02	0.890	617.66	0.01	0.906	-18.98	0.01	0.906	
49	MC	3	20371	-0.07	0.00	0.955	-61.31	0.01	0.924	1.59	0.01	0.926	
50	MC	1	20971	-8.22	0.01	0.934	-8.22	0.01	0.934	0.00			
51	MC	1	20971	-8.61	0.01	0.938	-8.61	0.01	0.938	0.00			
52	MC	1	20971	-8.83	0.01	0.933	-8.83	0.01	0.933	0.00			
53	MC	4	41342	-1.51	1.60	0.205	0.80	0.01	0.923	-0.06	0.08	0.782	
54	MC	1	20971	-8.86	0.01	0.933	-8.86	0.01	0.933	0.00			
55	MC	3	20371	-0.83	0.45	0.502	9.63	0.50	0.481	-0.30	0.53	0.467	
56	MC	1	20971	-10.37	0.00	0.952	-10.37	0.00	0.952	0.00			
57	MC	1	20971	9.73	0.01	0.933	9.73	0.01	0.933	0.00			
58	ER	3	20371	1.23	1.19	0.274	6.55	0.81	0.368	-0.14	0.55	0.460	
59	ER	3	20371	-0.89	0.67	0.412	-6.23	0.76	0.382	0.14	0.57	0.450	
60	ER	1	20971	-0.99	0.29	0.592	-0.99	0.29	0.592	0.00			
61	ER	1	20971	0.91	0.20	0.651	0.91	0.20	0.651	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, 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 10.143: 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
62	MC	6819	7633	0.02	0.34	0.560	0.12	0.47	0.492	0.00	0.33	0.565	
63	MC	6755	7727	-0.10	7.04	0.008	0.27	3.38	0.066	-0.01	6.76	0.009	NonUniform
64	MC	6755	7727	0.05	2.00	0.157	-0.14	0.93	0.335	0.00	1.88	0.170	
65	MC	6819	7633	0.01	0.12	0.732	0.06	0.16	0.689	0.00	0.11	0.745	
66	MC	6819	7633	-0.13	12.56	0.000	-0.07	0.18	0.668	0.00	0.12	0.725	Uniform<
67	MC	6819	7633	-0.08	5.34	0.021	0.12	0.68	0.409	0.00	2.01	0.156	
68	MC	6755	7727	-0.04	1.25	0.264	0.12	0.51	0.475	0.00	0.97	0.325	
69	MC	6819	7633	-0.03	0.85	0.357	0.21	1.94	0.164	0.00	2.73	0.099	
70	MC	13574	15360	0.17	13.39	0.000	0.09	0.31	0.576	0.00	0.23	0.631	Uniform>
71	MC	6819	7633	-0.01	0.03	0.853	0.32	1.83	0.176	-0.01	2.12	0.145	
72	MC	13574	15360	0.04	3.07	0.080	0.01	0.02	0.892	0.00	0.07	0.785	
73	MC	6755	7727	-0.09	5.71	0.017	0.11	0.45	0.504	0.00	1.51	0.219	
74	MC	6819	7633	0.05	1.51	0.220	0.42	7.64	0.006	-0.01	6.44	0.011	
75	MC	6819	7633	0.16	12.63	0.000	0.08	0.25	0.617	0.00	0.20	0.657	Uniform>
76	MC	6755	7727	0.26	28.32	0.000	0.05	0.08	0.774	0.00	1.50	0.220	Uniform>
77	MC	6819	7633	-0.01	0.02	0.882	0.05	0.09	0.766	0.00	0.12	0.730	
78	MC	6819	7633	-0.10	7.41	0.006	-0.14	0.94	0.332	0.00	0.09	0.764	Uniform<
79	MC	6755	7727	-0.03	0.52	0.470	-0.03	0.04	0.844	0.00	0.00	0.986	
80	MC	6755	7727	-0.16	12.51	0.000	0.40	5.83	0.016	-0.01	12.04	0.001	NonUniform
81	MC	6755	7727	-0.15	9.37	0.002	0.04	0.04	0.842	0.00	1.15	0.284	Uniform<
82	MC	6755	7727	-0.13	15.00	0.000	-0.21	2.21	0.137	0.00	0.32	0.572	Uniform<
83	MC	6755	7727	0.02	0.19	0.664	0.19	1.62	0.203	0.00	1.45	0.229	
84	MC	6819	7633	0.01	0.02	0.896	-0.14	0.58	0.448	0.00	0.68	0.410	
85	MC	6755	7727	-0.01	0.02	0.888	0.32	3.18	0.074	-0.01	3.60	0.058	
86	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.144: 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
62	MC	12481	1975	-0.11	4.80	0.029	-0.20	0.78	0.378	0.00	0.16	0.691	
63	MC	12589	1894	-0.05	0.70	0.402	0.22	1.14	0.285	-0.01	1.78	0.182	
64	MC	12589	1894	0.16	8.91	0.003	0.35	2.72	0.099	0.00	0.81	0.367	Uniform>
65	MC	12481	1975	0.16	9.53	0.002	0.11	0.32	0.575	0.00	0.06	0.804	Uniform>
66	MC	12481	1975	-0.03	0.24	0.621	0.35	2.14	0.144	-0.01	2.60	0.107	
67	MC	12481	1975	-0.14	7.74	0.005	-0.38	3.79	0.052	0.01	1.64	0.200	Uniform<
68	MC	12589	1894	-0.08	2.43	0.119	-0.19	0.65	0.421	0.00	0.21	0.645	
69	MC	12481	1975	-0.07	2.09	0.148	-0.11	0.26	0.610	0.00	0.03	0.873	
70	MC	25070	3869	0.24	14.67	0.000	0.24	1.23	0.268	0.00	0.00	0.993	Uniform>
71	MC	12481	1975	0.01	0.02	0.895	0.61	3.35	0.067	-0.02	3.42	0.064	
72	MC	25070	3869	-0.22	36.39	0.000	-0.23	2.37	0.124	0.00	0.01	0.927	Uniform<
73	MC	12589	1894	-0.15	8.19	0.004	0.17	0.49	0.482	-0.01	1.92	0.166	Uniform<
74	MC	12481	1975	0.08	2.06	0.152	0.23	1.18	0.277	0.00	0.55	0.457	
75	MC	12481	1975	0.08	1.75	0.186	0.21	0.80	0.370	0.00	0.31	0.579	
76	MC	12589	1894	0.15	4.80	0.028	-0.04	0.03	0.863	0.00	0.71	0.399	
77	MC	12481	1975	0.04	0.34	0.562	-0.11	0.22	0.640	0.00	0.41	0.522	
78	MC	12481	1975	-0.11	3.77	0.052	0.26	1.53	0.216	-0.01	3.25	0.071	
79	MC	12589	1894	-0.22	16.86	0.000	0.60	8.26	0.004	-0.02	16.22	0.000	NonUniform
80	MC	12589	1894	-0.10	2.10	0.148	0.35	1.96	0.161	-0.01	3.44	0.063	
81	MC	12589	1894	0.21	9.18	0.002	0.50	3.82	0.051	-0.01	1.35	0.245	Uniform>
82	MC	12589	1894	-0.18	12.14	0.000	0.22	1.09	0.297	-0.01	3.89	0.049	Uniform<
83	MC	12589	1894	-0.14	6.27	0.012	-0.15	0.52	0.473	0.00	0.01	0.939	
84	MC	12481	1975	0.17	5.86	0.015	0.02	0.01	0.929	0.00	0.39	0.534	
85	MC	12589	1894	0.11	2.23	0.135	0.50	3.88	0.049	-0.01	2.58	0.108	
86	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, 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 10.145: 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
62	MC	950	13506	0.07	1.04	0.309	-0.16	0.21	0.644	0.00	0.48	0.488	
63	MC	1011	13472	0.24	10.13	0.001	0.49	2.62	0.105	-0.01	0.74	0.390	Uniform>
64	MC	1011	13472	-0.42	36.51	0.000	-0.56	3.56	0.059	0.00	0.24	0.625	Uniform<
65	MC	950	13506	-0.16	5.02	0.025	-0.47	2.46	0.117	0.01	1.12	0.290	
66	MC	950	13506	-0.07	1.05	0.306	-0.13	0.16	0.693	0.00	0.03	0.858	
67	MC	950	13506	0.00	0.00	0.987	-0.46	2.31	0.129	0.01	2.43	0.119	
68	MC	1011	13472	0.01	0.02	0.878	-0.31	0.84	0.360	0.01	0.94	0.333	
69	MC	950	13506	0.00	0.00	0.995	-0.16	0.29	0.591	0.00	0.30	0.582	
70	MC	1961	26978	0.15	2.54	0.111	0.17	0.23	0.631	0.00	0.00	0.959	
71	MC	950	13506	0.31	5.17	0.023	-0.92	2.70	0.100	0.03	4.97	0.026	
72	MC	1961	26978	0.11	5.44	0.020	-0.12	0.30	0.581	0.00	1.20	0.273	
73	MC	1011	13472	-0.08	1.16	0.282	-0.42	1.56	0.211	0.01	1.11	0.292	
74	MC	950	13506	0.04	0.25	0.615	0.05	0.03	0.862	0.00	0.00	0.958	
75	MC	950	13506	-0.16	3.37	0.066	0.41	1.53	0.216	-0.01	3.19	0.074	
76	MC	1011	13472	0.07	0.57	0.451	0.19	0.26	0.612	0.00	0.10	0.748	
77	MC	950	13506	0.08	0.80	0.370	0.65	3.74	0.053	-0.01	3.15	0.076	
78	MC	950	13506	0.21	7.30	0.007	0.17	0.32	0.570	0.00	0.01	0.912	Uniform>
79	MC	1011	13472	0.21	9.14	0.002	0.35	1.48	0.223	0.00	0.25	0.614	Uniform>
80	MC	1011	13472	-0.07	0.61	0.434	0.19	0.30	0.585	-0.01	0.60	0.440	
81	MC	1011	13472	-0.06	0.42	0.516	-0.57	2.19	0.139	0.01	1.84	0.175	
82	MC	1011	13472	-0.01	0.01	0.938	-0.56	3.41	0.065	0.01	3.53	0.060	
83	MC	1011	13472	0.08	1.31	0.253	-0.39	1.54	0.214	0.01	2.38	0.123	
84	MC	950	13506	0.16	2.26	0.133	0.75	3.56	0.059	-0.01	2.45	0.118	
85	MC	1011	13472	-0.20	4.49	0.034	-0.34	0.88	0.348	0.00	0.17	0.681	
86	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.146: 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
62	MC	1259	13197	-0.06	0.81	0.369	0.08	0.07	0.785	0.00	0.25	0.617	
63	MC	1370	13113	-0.10	2.47	0.116	0.44	4.19	0.041	-0.01	6.79	0.009	NonUniform
64	MC	1370	13113	-0.19	9.67	0.002	0.01	0.00	0.959	0.00	0.91	0.339	Uniform<
65	MC	1259	13197	0.00	0.00	0.959	-0.29	1.44	0.230	0.01	1.51	0.219	
66	MC	1259	13197	0.09	2.04	0.153	0.69	6.95	0.008	-0.01	5.50	0.019	
67	MC	1259	13197	0.12	3.99	0.046	0.80	12.31	0.000	-0.02	9.51	0.002	NonUniform
68	MC	1370	13113	0.01	0.02	0.894	0.21	0.65	0.421	0.00	0.63	0.426	
69	MC	1259	13197	0.05	0.62	0.431	0.46	3.74	0.053	-0.01	3.21	0.073	
70	MC	2629	26310	-0.28	19.74	0.000	-0.43	3.36	0.067	0.00	0.41	0.521	Uniform<
71	MC	1259	13197	0.05	0.27	0.605	-0.16	0.19	0.660	0.01	0.36	0.547	
72	MC	2629	26310	0.01	0.09	0.759	0.24	1.97	0.161	0.00	1.87	0.171	
73	MC	1370	13113	0.01	0.05	0.820	0.26	1.08	0.299	-0.01	1.03	0.311	
74	MC	1259	13197	-0.13	3.92	0.048	-0.32	1.65	0.198	0.00	0.64	0.424	
75	MC	1259	13197	-0.44	40.54	0.000	-0.41	2.64	0.104	0.00	0.01	0.923	Uniform<
76	MC	1370	13113	-0.25	12.21	0.000	-0.68	6.85	0.009	0.01	2.93	0.087	Uniform<
77	MC	1259	13197	-0.15	4.94	0.026	-0.18	0.44	0.509	0.00	0.01	0.916	
78	MC	1259	13197	0.11	3.13	0.077	-0.23	0.86	0.353	0.01	2.09	0.148	
79	MC	1370	13113	0.10	2.59	0.107	-0.10	0.23	0.635	0.00	0.90	0.342	
80	MC	1370	13113	-0.16	5.71	0.017	-0.16	0.40	0.527	0.00	0.00	0.981	
81	MC	1370	13113	-0.31	18.60	0.000	-0.58	4.81	0.028	0.01	1.14	0.286	Uniform<
82	MC	1370	13113	0.07	1.27	0.259	0.28	1.64	0.200	0.00	1.02	0.313	
83	MC	1370	13113	-0.03	0.29	0.587	0.40	3.36	0.067	-0.01	4.26	0.039	
84	MC	1259	13197	-0.22	7.60	0.006	-0.12	0.19	0.660	0.00	0.13	0.721	Uniform<
85	MC	1370	13113	-0.29	15.69	0.000	-0.68	6.78	0.009	0.01	2.46	0.117	Uniform<
86	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, 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 10.147: 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
62	MC	10134	4322	-0.10	6.60	0.010	-0.30	2.88	0.090	0.00	1.33	0.248	
63	MC	10159	4324	-0.05	1.71	0.191	0.13	0.69	0.405	0.00	1.47	0.225	
64	MC	10159	4324	0.02	0.36	0.549	0.28	3.10	0.078	-0.01	2.76	0.097	
65	MC	10134	4322	-0.01	0.10	0.756	0.03	0.03	0.859	0.00	0.07	0.790	
66	MC	10134	4322	0.02	0.24	0.627	0.28	2.49	0.115	-0.01	2.27	0.132	
67	MC	10134	4322	-0.12	10.18	0.001	-0.47	9.46	0.002	0.01	5.57	0.018	Uniform<
68	MC	10159	4324	-0.10	7.09	0.008	-0.33	3.58	0.058	0.00	1.75	0.185	Uniform<
69	MC	10134	4322	-0.06	2.73	0.098	-0.15	0.92	0.339	0.00	0.33	0.563	
70	MC	20293	8646	0.06	1.39	0.239	0.35	4.27	0.039	-0.01	3.25	0.071	
71	MC	10134	4322	-0.11	2.58	0.108	0.09	0.13	0.721	-0.01	0.69	0.406	
72	MC	20293	8646	-0.15	28.77	0.000	-0.01	0.01	0.925	0.00	1.41	0.234	Uniform<
73	MC	10159	4324	-0.11	7.87	0.005	0.11	0.40	0.525	0.00	1.69	0.194	Uniform<
74	MC	10134	4322	0.06	2.21	0.137	-0.04	0.07	0.796	0.00	0.43	0.511	
75	MC	10134	4322	-0.07	2.25	0.133	-0.09	0.26	0.610	0.00	0.01	0.913	
76	MC	10159	4324	0.01	0.02	0.884	0.11	0.35	0.554	0.00	0.33	0.566	
77	MC	10134	4322	-0.01	0.04	0.841	-0.09	0.24	0.625	0.00	0.21	0.651	
78	MC	10134	4322	-0.17	17.64	0.000	-0.16	1.01	0.315	0.00	0.01	0.934	Uniform<
79	MC	10159	4324	-0.15	16.33	0.000	0.47	9.65	0.002	-0.01	18.12	0.000	NonUniform
80	MC	10159	4324	-0.13	7.48	0.006	0.24	1.76	0.185	-0.01	4.57	0.033	Uniform<
81	MC	10159	4324	0.09	2.63	0.105	0.43	4.89	0.027	-0.01	3.36	0.067	
82	MC	10159	4324	-0.15	15.18	0.000	-0.13	0.77	0.379	0.00	0.01	0.927	Uniform<
83	MC	10159	4324	-0.06	2.44	0.118	-0.02	0.02	0.884	0.00	0.06	0.800	
84	MC	10134	4322	0.08	2.28	0.131	0.22	1.32	0.251	0.00	0.58	0.448	
85	MC	10159	4324	-0.02	0.17	0.683	-0.12	0.41	0.520	0.00	0.30	0.583	
86	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.148: 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
62	MC	10134	2129	-0.09	2.84	0.092	-0.07	0.07	0.792	0.00	0.01	0.929	
63	MC	10159	2215	-0.04	0.47	0.491	0.03	0.02	0.879	0.00	0.11	0.744	
64	MC	10159	2215	-0.02	0.12	0.724	0.32	2.03	0.154	-0.01	2.41	0.121	
65	MC	10134	2129	-0.04	0.61	0.435	0.20	0.85	0.355	-0.01	1.30	0.254	
66	MC	10134	2129	0.02	0.09	0.759	0.43	3.07	0.080	-0.01	2.99	0.084	
67	MC	10134	2129	-0.14	8.14	0.004	-0.36	2.90	0.089	0.00	1.14	0.285	Uniform<
68	MC	10159	2215	-0.09	3.24	0.072	-0.16	0.43	0.511	0.00	0.08	0.780	
69	MC	10134	2129	-0.05	1.10	0.294	0.24	1.11	0.293	-0.01	1.74	0.187	
70	MC	20293	4344	-0.20	8.28	0.004	-0.27	1.07	0.301	0.00	0.07	0.790	Uniform<
71	MC	10134	2129	-0.35	11.71	0.001	-0.25	0.41	0.520	0.00	0.07	0.790	Uniform<
72	MC	20293	4344	-0.07	4.39	0.036	0.35	4.57	0.033	-0.01	7.04	0.008	NonUniform
73	MC	10159	2215	-0.10	3.67	0.055	0.45	3.45	0.063	-0.01	5.33	0.021	
74	MC	10134	2129	0.05	0.77	0.379	-0.13	0.31	0.579	0.00	0.62	0.430	
75	MC	10134	2129	-0.08	1.34	0.247	-0.04	0.03	0.864	0.00	0.02	0.902	
76	MC	10159	2215	-0.10	2.22	0.136	-0.43	2.55	0.111	0.01	1.57	0.210	
77	MC	10134	2129	-0.01	0.04	0.849	-0.17	0.43	0.511	0.00	0.40	0.528	
78	MC	10134	2129	-0.19	12.80	0.000	0.00	0.00	0.991	0.00	0.80	0.370	Uniform<
79	MC	10159	2215	-0.20	15.64	0.000	0.43	4.10	0.043	-0.01	9.15	0.002	NonUniform
80	MC	10159	2215	-0.13	4.29	0.038	0.19	0.53	0.465	-0.01	1.63	0.202	
81	MC	10159	2215	0.06	0.79	0.374	0.47	2.80	0.094	-0.01	2.23	0.135	
82	MC	10159	2215	-0.11	4.90	0.027	-0.02	0.01	0.912	0.00	0.17	0.681	
83	MC	10159	2215	0.00	0.00	0.996	0.63	7.72	0.005	-0.01	8.12	0.004	NonUniform
84	MC	10134	2129	-0.03	0.12	0.728	0.13	0.20	0.653	0.00	0.31	0.577	
85	MC	10159	2215	-0.05	0.46	0.497	-0.59	4.81	0.028	0.01	4.41	0.036	
86	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, 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 10.149: 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
62	MC	2193	2129	0.02	0.12	0.727	0.41	1.98	0.159	-0.01	1.86	0.172	
63	MC	2109	2215	0.04	0.41	0.520	-0.18	0.45	0.503	0.00	0.76	0.385	
64	MC	2109	2215	-0.08	1.32	0.251	0.08	0.08	0.775	0.00	0.37	0.545	
65	MC	2193	2129	-0.06	0.70	0.404	0.31	1.42	0.233	-0.01	2.12	0.145	
66	MC	2193	2129	0.00	0.00	0.999	0.27	0.83	0.364	-0.01	0.87	0.352	
67	MC	2193	2129	-0.06	0.81	0.369	0.19	0.58	0.446	-0.01	1.04	0.308	
68	MC	2109	2215	0.02	0.14	0.710	0.32	1.20	0.274	-0.01	1.08	0.300	
69	MC	2193	2129	0.02	0.06	0.813	0.67	6.25	0.012	-0.01	6.34	0.012	
70	MC	4302	4344	-0.44	26.83	0.000	-0.84	8.09	0.004	0.01	2.06	0.151	Uniform<
71	MC	2193	2129	-0.40	10.76	0.001	-0.42	0.90	0.343	0.00	0.00	0.964	Uniform<
72	MC	4302	4344	0.15	10.84	0.001	0.60	9.63	0.002	-0.01	5.75	0.016	Uniform>
73	MC	2109	2215	0.03	0.23	0.630	0.61	4.29	0.038	-0.01	4.06	0.044	
74	MC	2193	2129	-0.03	0.20	0.659	-0.14	0.26	0.611	0.00	0.17	0.682	
75	MC	2193	2129	-0.01	0.01	0.941	0.08	0.07	0.791	0.00	0.09	0.767	
76	MC	2109	2215	-0.21	5.57	0.018	-0.83	7.08	0.008	0.01	4.34	0.037	
77	MC	2193	2129	-0.01	0.01	0.916	-0.13	0.19	0.659	0.00	0.18	0.668	
78	MC	2193	2129	-0.05	0.43	0.513	0.28	1.11	0.291	-0.01	1.61	0.204	
79	MC	2109	2215	-0.07	1.00	0.317	-0.07	0.07	0.790	0.00	0.00	0.990	
80	MC	2109	2215	0.02	0.08	0.771	-0.09	0.09	0.770	0.00	0.15	0.699	
81	MC	2109	2215	-0.03	0.08	0.775	0.08	0.05	0.815	0.00	0.11	0.745	
82	MC	2109	2215	0.08	1.67	0.196	0.18	0.53	0.466	0.00	0.17	0.676	
83	MC	2109	2215	0.13	3.52	0.061	1.10	16.90	0.000	-0.02	14.16	0.000	NonUniform
84	MC	2193	2129	-0.19	4.43	0.035	-0.11	0.11	0.745	0.00	0.07	0.789	
85	MC	2109	2215	-0.05	0.36	0.549	-0.77	5.87	0.015	0.02	5.53	0.019	
86	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.150: 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
62	MC	169	2129	-0.27	2.22	0.136	0.19	0.05	0.831	-0.01	0.28	0.597	
63	MC	93	2215	0.51	4.03	0.045	1.41	1.89	0.169	-0.02	0.84	0.359	
64	MC	93	2215	-0.36	2.54	0.111	0.37	0.15	0.700	-0.02	0.61	0.434	
65	MC	169	2129	-0.25	2.27	0.132	1.11	2.24	0.134	-0.03	3.60	0.058	
66	MC	169	2129	-0.05	0.07	0.790	-0.25	0.08	0.780	0.00	0.05	0.817	
67	MC	169	2129	-0.27	2.71	0.100	-0.64	0.69	0.405	0.01	0.25	0.619	
68	MC	93	2215	0.29	1.63	0.201	0.43	0.16	0.685	0.00	0.02	0.892	
69	MC	169	2129	-0.13	0.60	0.437	-0.59	0.51	0.476	0.01	0.32	0.571	
70	MC	262	4344	-0.01	0.00	0.982	-0.99	0.82	0.364	0.03	0.84	0.360	
71	MC	169	2129	0.12	0.12	0.733	-2.44	1.94	0.164	0.07	2.09	0.148	
72	MC	262	4344	0.32	5.70	0.017	0.09	0.02	0.884	0.00	0.13	0.720	
73	MC	93	2215	0.44	3.78	0.052	0.68	0.41	0.520	0.00	0.05	0.817	
74	MC	169	2129	0.40	4.58	0.032	0.17	0.04	0.841	0.01	0.08	0.780	
75	MC	169	2129	-0.40	4.31	0.038	0.07	0.01	0.938	-0.01	0.32	0.573	
76	MC	93	2215	0.23	0.52	0.470	0.21	0.03	0.866	0.00	0.00	0.986	
77	MC	169	2129	0.00	0.00	0.988	-1.12	1.32	0.251	0.03	1.36	0.243	
78	MC	169	2129	0.07	0.16	0.685	0.11	0.02	0.891	0.00	0.00	0.962	
79	MC	93	2215	0.21	0.86	0.355	-0.46	0.20	0.656	0.01	0.44	0.506	
80	MC	93	2215	0.33	1.17	0.279	1.03	0.75	0.385	-0.02	0.38	0.536	
81	MC	93	2215	-0.08	0.07	0.797	-0.38	0.09	0.761	0.01	0.06	0.803	
82	MC	93	2215	0.67	8.42	0.004	0.63	0.41	0.521	0.00	0.00	0.968	Uniform>
83	MC	93	2215	-0.03	0.02	0.880	0.08	0.01	0.937	0.00	0.01	0.909	
84	MC	169	2129	0.08	0.11	0.738	0.22	0.04	0.836	0.00	0.02	0.893	
85	MC	93	2215	-0.44	2.68	0.102	-1.51	1.63	0.202	0.02	0.84	0.359	
86	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, 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 10.151: 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
62	MC	5918	14456	0.12	10.64	0.001	-2.21	94.68	0.000	0.04	109.37	0.000	NonUniform
63	MC	6489	14483	0.20	22.24	0.000	-0.84	17.70	0.000	0.02	27.94	0.000	NonUniform
64	MC	6489	14483	0.24	30.99	0.000	-0.41	4.16	0.041	0.01	10.76	0.001	NonUniform
65	MC	5918	14456	0.01	0.08	0.783	-0.58	8.17	0.004	0.01	8.83	0.003	NonUniform
66	MC	5918	14456	0.07	3.73	0.053	-0.90	18.56	0.000	0.02	22.41	0.000	NonUniform
67	MC	5918	14456	0.11	7.97	0.005	-1.97	93.34	0.000	0.04	107.47	0.000	NonUniform
68	MC	6489	14483	0.14	15.38	0.000	-1.55	56.10	0.000	0.03	69.43	0.000	NonUniform
69	MC	5918	14456	0.08	4.19	0.041	-1.58	57.69	0.000	0.03	65.90	0.000	NonUniform
70	MC	12407	28939	0.22	8.83	0.003	1.28	16.95	0.000	-0.02	12.75	0.000	NonUniform
71	MC	5918	14456	0.49	16.09	0.000	0.87	3.01	0.083	-0.01	0.64	0.426	Uniform>
72	MC	12407	28939	0.09	13.09	0.000	-0.59	18.77	0.000	0.01	26.05	0.000	NonUniform
73	MC	6489	14483	0.18	24.39	0.000	-1.47	52.29	0.000	0.03	68.23	0.000	NonUniform
74	MC	5918	14456	0.07	2.43	0.119	-1.32	35.53	0.000	0.02	40.69	0.000	NonUniform
75	MC	5918	14456	0.19	10.74	0.001	-0.43	2.61	0.106	0.01	5.64	0.018	Uniform>
76	MC	6489	14483	0.12	3.54	0.060	0.20	0.54	0.463	0.00	0.10	0.757	
77	MC	5918	14456	0.18	10.77	0.001	0.37	1.98	0.160	0.00	0.51	0.475	Uniform>
78	MC	5918	14456	0.24	28.79	0.000	-1.08	25.06	0.000	0.02	38.31	0.000	NonUniform
79	MC	6489	14483	0.15	15.20	0.000	-0.82	19.38	0.000	0.02	27.95	0.000	NonUniform
80	MC	6489	14483	0.26	19.34	0.000	-0.27	1.07	0.301	0.01	4.30	0.038	Uniform>
81	MC	6489	14483	0.30	18.22	0.000	0.19	0.39	0.530	0.00	0.14	0.704	Uniform>
82	MC	6489	14483	0.06	2.81	0.094	-0.61	11.42	0.001	0.01	14.30	0.000	NonUniform
83	MC	6489	14483	0.11	8.09	0.004	-1.21	37.48	0.000	0.02	46.42	0.000	NonUniform
84	MC	5918	14456	-0.09	2.50	0.114	1.11	15.00	0.000	-0.02	18.94	0.000	NonUniform
85	MC	6489	14483	0.22	11.69	0.001	1.19	16.79	0.000	-0.02	11.94	0.001	NonUniform
86	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.152: 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
62	MC	3	20371	0.67	0.29	0.591	679.64	0.01	0.935	-20.86	0.01	0.935	
63	MC	1	20971	-9.83	0.01	0.939	-9.83	0.01	0.939	0.00			
64	MC	1	20971	-10.01	0.01	0.941	-10.01	0.01	0.941	0.00			
65	MC	3	20371	10.21	0.01	0.923	11.66	0.00	0.986	-0.04	0.00	0.998	
66	MC	3	20371	-9.05	0.01	0.923	-6.73	0.00	0.991	-0.06	0.00	0.997	
67	MC	3	20371	10.69	0.01	0.911	12.37	0.00	0.984	-0.05	0.00	0.998	
68	MC	1	20971	10.43	0.01	0.917	10.43	0.01	0.917	0.00			
69	MC	3	20371	1.27	1.05	0.306	-5.20	0.14	0.705	0.19	0.21	0.647	
70	MC	4	41342	10.08	0.00	0.952	13.82	0.00	0.991	-0.10	0.00	0.998	
71	MC	3	20371	10.13	0.00	0.957	14.12	0.00	0.991	-0.11	0.00	0.997	
72	MC	4	41342	-9.34	0.01	0.909	-7.26	0.00	0.990	-0.06	0.00	0.997	
73	MC	1	20971	-8.03	0.01	0.936	-8.03	0.01	0.936	0.00			
74	MC	3	20371	-0.92	0.55	0.459	-65.43	0.01	0.932	1.67	0.01	0.933	
75	MC	3	20371	10.05	0.01	0.941	12.11	0.00	0.989	-0.06	0.00	0.998	
76	MC	1	20971	9.04	0.00	0.954	9.04	0.00	0.954	0.00			
77	MC	3	20371	-1.12	0.79	0.374	-68.59	0.00	0.948	1.74	0.00	0.947	
78	MC	3	20371	0.42	0.11	0.735	-629.81	0.01	0.915	19.37	0.01	0.915	
79	MC	1	20971	-9.18	0.01	0.932	-9.18	0.01	0.932	0.00			
80	MC	1	20971	9.21	0.00	0.948	9.21	0.00	0.948	0.00			
81	MC	1	20971	9.11	0.00	0.955	9.11	0.00	0.955	0.00			
82	MC	1	20971	-8.77	0.01	0.931	-8.77	0.01	0.931	0.00			
83	MC	1	20971	-9.19	0.01	0.934	-9.19	0.01	0.934	0.00			
84	MC	3	20371	-0.74	0.36	0.548	77.12	0.00	0.976	-2.06	0.00	0.979	
85	MC	1	20971	9.02	0.00	0.956	9.02	0.00	0.956	0.00			
86	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, 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 10.153: 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
87	SA4	6819	7633	-0.05	2.42	0.120	-0.50	15.07	0.000	0.01	13.07	0.000	NonUniform
88	SA4	13574	15360	-0.24	56.76	0.000	-0.31	5.97	0.015	0.00	0.25	0.616	Uniform<
89	SA4	6755	7727	-0.24	39.54	0.000	-0.13	0.83	0.363	0.00	0.58	0.448	Uniform<
90	SA4	6819	7633	0.16	24.30	0.000	-0.34	6.64	0.010	0.01	15.09	0.000	NonUniform
95	SA4	6819	7633	0.05	1.93	0.165	-0.80	22.85	0.000	0.02	27.09	0.000	NonUniform
96	SA4	6755	7727	-0.10	9.45	0.002	-0.58	20.75	0.000	0.01	15.37	0.000	NonUniform
97	SA4	6755	7727	-0.12	13.13	0.000	-0.50	14.69	0.000	0.01	9.16	0.002	NonUniform
98	SA4	6819	7633	0.16	23.21	0.000	-0.27	4.28	0.039	0.01	11.15	0.001	NonUniform
101	SA4	6755	7727	0.00	0.00	0.944	-0.65	16.56	0.000	0.01	17.49	0.000	NonUniform
102	SA4	6819	7633	-0.40	97.28	0.000	-0.23	1.81	0.178	0.00	1.19	0.275	Uniform<
103	SA4	6755	7727	0.11	11.86	0.001	-0.24	3.24	0.072	0.01	7.47	0.006	NonUniform
104	SA4	13574	15360	-0.05	5.96	0.015	-0.36	16.72	0.000	0.01	12.89	0.000	NonUniform
105	SA4	6819	7633	-0.04	1.16	0.281	-0.21	2.20	0.138	0.00	1.58	0.208	
106	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.154: 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
87	SA4	12481	1975	0.07	2.07	0.150	-0.04	0.06	0.807	0.00	0.41	0.523	
88	SA4	25070	3869	0.02	0.12	0.732	0.05	0.08	0.775	0.00	0.04	0.843	
89	SA4	12589	1894	0.01	0.02	0.889	0.07	0.12	0.732	0.00	0.10	0.753	
90	SA4	12481	1975	0.17	12.60	0.000	0.36	3.80	0.051	0.00	1.17	0.279	Uniform>
95	SA4	12481	1975	-0.11	5.14	0.023	0.13	0.33	0.568	0.00	1.15	0.283	
96	SA4	12589	1894	0.06	1.63	0.202	-0.11	0.34	0.558	0.00	0.92	0.337	
97	SA4	12589	1894	0.13	7.34	0.007	-0.20	1.09	0.296	0.01	3.26	0.071	Uniform>
98	SA4	12481	1975	0.29	37.54	0.000	0.11	0.34	0.557	0.00	1.02	0.313	Uniform>
101	SA4	12589	1894	-0.22	19.18	0.000	0.29	1.63	0.201	-0.01	5.22	0.022	Uniform<
102	SA4	12481	1975	0.01	0.02	0.886	-0.12	0.28	0.594	0.00	0.35	0.555	
103	SA4	12589	1894	0.38	60.71	0.000	-0.38	3.91	0.048	0.01	16.96	0.000	NonUniform
104	SA4	25070	3869	0.05	2.06	0.151	0.02	0.02	0.875	0.00	0.05	0.827	
105	SA4	12481	1975	0.16	10.32	0.001	0.26	1.77	0.184	0.00	0.28	0.600	Uniform>
106	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, 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 10.155: 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
87	SA4	950	13506	-0.09	2.05	0.152	0.43	2.87	0.090	-0.01	4.47	0.035	
88	SA4	1961	26978	0.20	8.73	0.003	-0.08	0.09	0.765	0.01	1.14	0.285	Uniform>
89	SA4	1011	13472	0.41	26.20	0.000	0.97	9.94	0.002	-0.01	3.58	0.059	Uniform>
90	SA4	950	13506	-0.04	0.38	0.538	0.05	0.03	0.864	0.00	0.11	0.742	
95	SA4	950	13506	-0.11	2.55	0.110	0.17	0.25	0.616	-0.01	0.73	0.394	
96	SA4	1011	13472	0.12	3.63	0.057	-0.43	2.68	0.102	0.01	4.63	0.031	
97	SA4	1011	13472	-0.09	1.81	0.178	0.13	0.24	0.622	0.00	0.69	0.407	
98	SA4	950	13506	-0.04	0.45	0.502	-0.14	0.28	0.600	0.00	0.14	0.709	
101	SA4	1011	13472	-0.18	6.84	0.009	-0.48	2.00	0.157	0.01	0.85	0.357	Uniform<
102	SA4	950	13506	0.11	1.89	0.169	0.33	0.94	0.332	-0.01	0.42	0.515	
103	SA4	1011	13472	-0.17	7.11	0.008	-0.07	0.06	0.799	0.00	0.14	0.705	Uniform<
104	SA4	1961	26978	0.11	6.84	0.009	0.15	0.69	0.405	0.00	0.04	0.832	Uniform>
105	SA4	950	13506	0.29	15.86	0.000	0.40	1.74	0.188	0.00	0.14	0.705	Uniform>
106	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.156: 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
87	SA4	1259	13197	0.29	27.81	0.000	0.39	3.64	0.056	0.00	0.25	0.616	Uniform>
88	SA4	2629	26310	0.34	40.78	0.000	-0.03	0.02	0.882	0.01	3.71	0.054	Uniform>
89	SA4	1370	13113	0.31	24.30	0.000	-0.24	1.14	0.286	0.01	6.24	0.013	Uniform>
90	SA4	1259	13197	0.07	1.65	0.199	-0.02	0.01	0.910	0.00	0.22	0.636	
95	SA4	1259	13197	0.16	6.05	0.014	1.67	42.79	0.000	-0.03	36.99	0.000	NonUniform
96	SA4	1370	13113	0.30	30.62	0.000	0.53	7.41	0.006	-0.01	1.49	0.223	Uniform>
97	SA4	1370	13113	0.26	21.88	0.000	0.23	1.27	0.260	0.00	0.04	0.851	Uniform>
98	SA4	1259	13197	0.12	4.68	0.030	-0.15	0.47	0.495	0.01	1.70	0.193	
101	SA4	1370	13113	0.06	0.91	0.341	1.23	26.93	0.000	-0.02	25.87	0.000	NonUniform
102	SA4	1259	13197	0.33	23.48	0.000	0.33	1.57	0.211	0.00	0.00	0.998	Uniform>
103	SA4	1370	13113	0.24	17.10	0.000	0.18	0.75	0.387	0.00	0.09	0.762	Uniform>
104	SA4	2629	26310	0.10	6.56	0.010	-0.14	1.03	0.310	0.01	3.15	0.076	
105	SA4	1259	13197	-0.51	75.17	0.000	-0.66	8.94	0.003	0.00	0.49	0.486	Uniform<
106	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, 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 10.157: 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
87	SA4	10134	4322	0.02	0.31	0.580	0.08	0.35	0.555	0.00	0.22	0.641	
88	SA4	20293	8646	-0.03	0.66	0.415	0.21	2.43	0.119	-0.01	3.38	0.066	
89	SA4	10159	4324	-0.07	2.84	0.092	0.21	1.93	0.165	-0.01	3.60	0.058	
90	SA4	10134	4322	0.22	37.83	0.000	0.36	6.61	0.010	0.00	1.14	0.285	Uniform>
95	SA4	10134	4322	-0.13	11.67	0.001	0.01	0.00	0.973	0.00	0.59	0.444	Uniform<
96	SA4	10159	4324	-0.02	0.30	0.584	-0.09	0.44	0.509	0.00	0.29	0.589	
97	SA4	10159	4324	0.05	1.67	0.196	-0.05	0.14	0.704	0.00	0.54	0.464	
98	SA4	10134	4322	0.29	66.82	0.000	0.26	3.49	0.062	0.00	0.03	0.854	Uniform>
101	SA4	10159	4324	-0.16	18.50	0.000	0.41	5.70	0.017	-0.01	11.61	0.001	NonUniform
102	SA4	10134	4322	-0.06	1.90	0.168	0.19	1.20	0.273	-0.01	2.20	0.138	
103	SA4	10159	4324	0.24	42.75	0.000	0.02	0.03	0.863	0.00	2.36	0.124	Uniform>
104	SA4	20293	8646	0.01	0.36	0.550	0.03	0.11	0.745	0.00	0.03	0.858	
105	SA4	10134	4322	0.02	0.16	0.688	0.29	3.51	0.061	-0.01	3.34	0.068	
106	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.158: 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
87	SA4	10134	2129	0.03	0.33	0.564	0.08	0.17	0.681	0.00	0.08	0.778	
88	SA4	20293	4344	-0.20	16.92	0.000	-0.50	6.67	0.010	0.01	2.52	0.112	Uniform<
89	SA4	10159	2215	-0.27	24.23	0.000	-0.66	9.02	0.003	0.01	3.27	0.071	Uniform<
90	SA4	10134	2129	0.25	30.54	0.000	0.06	0.10	0.756	0.00	1.01	0.316	Uniform>
95	SA4	10134	2129	-0.13	6.99	0.008	0.30	1.51	0.219	-0.01	3.22	0.073	Uniform<
96	SA4	10159	2215	-0.13	7.91	0.005	-0.33	3.09	0.079	0.00	1.24	0.265	Uniform<
97	SA4	10159	2215	-0.03	0.52	0.473	-0.51	6.75	0.009	0.01	6.21	0.013	
98	SA4	10134	2129	0.31	44.24	0.000	0.07	0.11	0.735	0.00	1.56	0.211	Uniform>
101	SA4	10159	2215	-0.07	2.03	0.154	0.78	10.76	0.001	-0.02	13.51	0.000	NonUniform
102	SA4	10134	2129	-0.22	13.04	0.000	-0.30	1.38	0.240	0.00	0.10	0.749	Uniform<
103	SA4	10159	2215	0.18	15.64	0.000	-0.32	2.60	0.107	0.01	6.82	0.009	NonUniform
104	SA4	20293	4344	-0.04	1.60	0.206	-0.33	6.45	0.011	0.01	5.27	0.022	
105	SA4	10134	2129	-0.20	14.95	0.000	-0.72	10.71	0.001	0.01	5.96	0.015	Uniform<
106	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, 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 10.159: 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
87	SA4	2193	2129	0.02	0.09	0.766	0.00	0.00	0.984	0.00	0.01	0.921	
88	SA4	4302	4344	-0.30	24.13	0.000	-1.01	19.66	0.000	0.02	10.44	0.001	NonUniform
89	SA4	2109	2215	-0.37	26.80	0.000	-1.28	23.53	0.000	0.02	12.79	0.000	NonUniform
90	SA4	2193	2129	0.08	1.79	0.181	-0.53	5.19	0.023	0.01	7.30	0.007	NonUniform
95	SA4	2193	2129	0.00	0.00	0.994	0.54	3.30	0.069	-0.01	3.50	0.061	
96	SA4	2109	2215	-0.23	14.81	0.000	-0.40	3.11	0.078	0.00	0.64	0.425	Uniform<
97	SA4	2109	2215	-0.16	7.34	0.007	-0.77	10.80	0.001	0.01	7.18	0.007	NonUniform
98	SA4	2193	2129	0.03	0.31	0.580	-0.35	2.29	0.130	0.01	2.91	0.088	
101	SA4	2109	2215	0.20	10.19	0.001	0.66	5.23	0.022	-0.01	2.74	0.098	Uniform>
102	SA4	2193	2129	-0.27	12.80	0.000	-0.69	5.29	0.021	0.01	2.08	0.149	Uniform<
103	SA4	2109	2215	-0.11	3.47	0.062	-0.60	6.32	0.012	0.01	4.45	0.035	
104	SA4	4302	4344	-0.10	6.27	0.012	-0.57	13.21	0.000	0.01	9.56	0.002	NonUniform
105	SA4	2193	2129	-0.38	34.17	0.000	-1.44	30.92	0.000	0.02	18.08	0.000	NonUniform
106	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.160: 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
87	SA4	169	2129	-0.02	0.02	0.897	-0.20	0.08	0.772	0.00	0.07	0.790	
88	SA4	262	4344	-0.28	3.02	0.082	-1.13	2.23	0.136	0.02	1.29	0.256	
89	SA4	93	2215	0.13	0.28	0.597	0.10	0.01	0.919	0.00	0.00	0.978	
90	SA4	169	2129	-0.08	0.27	0.603	-0.61	0.75	0.387	0.01	0.59	0.444	
95	SA4	169	2129	-0.28	2.73	0.098	2.49	10.13	0.001	-0.06	12.64	0.000	NonUniform
96	SA4	93	2215	-0.07	0.14	0.709	-1.26	1.97	0.161	0.02	1.83	0.176	
97	SA4	93	2215	-0.55	6.86	0.009	-1.59	3.01	0.083	0.02	1.35	0.245	Uniform<
98	SA4	169	2129	0.09	0.32	0.573	-1.38	3.85	0.050	0.03	4.46	0.035	
101	SA4	93	2215	-0.02	0.01	0.930	1.91	3.67	0.055	-0.04	3.88	0.049	
102	SA4	169	2129	-0.10	0.27	0.604	-0.33	0.14	0.711	0.01	0.07	0.791	
103	SA4	93	2215	-0.41	3.70	0.054	-2.53	7.48	0.006	0.04	5.48	0.019	
104	SA4	262	4344	-0.17	2.05	0.152	-0.79	2.25	0.134	0.01	1.48	0.224	
105	SA4	169	2129	-0.16	0.92	0.337	-0.63	0.69	0.408	0.01	0.40	0.528	
106	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, 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 10.161: 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
87	SA4	5918	14456	-0.20	36.32	0.000	-0.54	10.21	0.001	0.01	4.17	0.041	Uniform<
88	SA4	12407	28939	-0.34	61.93	0.000	0.86	21.92	0.000	-0.02	45.36	0.000	NonUniform
89	SA4	6489	14483	-0.20	20.82	0.000	0.48	5.95	0.015	-0.01	12.48	0.000	NonUniform
90	SA4	5918	14456	-0.47	198.04	0.000	-0.53	9.11	0.003	0.00	0.09	0.760	Uniform<
95	SA4	5918	14456	0.09	8.17	0.004	-2.02	97.53	0.000	0.03	111.01	0.000	NonUniform
96	SA4	6489	14483	-0.19	32.19	0.000	-0.96	34.25	0.000	0.01	22.72	0.000	NonUniform
97	SA4	6489	14483	-0.29	81.04	0.000	-0.83	24.59	0.000	0.01	10.62	0.001	NonUniform
98	SA4	5918	14456	-0.46	184.78	0.000	-0.51	8.44	0.004	0.00	0.07	0.785	Uniform<
101	SA4	6489	14483	0.12	13.81	0.000	-2.64	180.00	0.000	0.04	205.53	0.000	NonUniform
102	SA4	5918	14456	-0.34	42.77	0.000	0.40	2.81	0.094	-0.01	10.22	0.001	NonUniform
103	SA4	6489	14483	-0.37	127.35	0.000	-0.85	25.31	0.000	0.01	8.35	0.004	NonUniform
104	SA4	12407	28939	-0.26	128.69	0.000	-0.22	3.87	0.049	0.00	0.08	0.780	Uniform<
105	SA4	5918	14456	0.20	22.30	0.000	0.97	20.17	0.000	-0.01	13.14	0.000	NonUniform
106	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.162: 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
87	SA4	3	20371	1.36	1.54	0.214	-7.69	0.94	0.332	0.25	1.30	0.255	
88	SA4	4	41342	-0.66	0.49	0.484	-8.11	0.78	0.378	0.20	0.61	0.436	
89	SA4	1	20971	3.93	0.65	0.420	3.93	0.65	0.420	0.00			
90	SA4	3	20371	-0.45	0.15	0.696	1.84	0.06	0.799	-0.06	0.10	0.749	
95	SA4	3	20371	-8.56	0.01	0.919	-5.22	0.00	0.992	-0.09	0.00	0.995	
96	SA4	1	20971	3.40	1.95	0.162	3.40	1.95	0.162	0.00			
97	SA4	1	20971	-0.72	0.12	0.732	-0.72	0.12	0.732	0.00			
98	SA4	3	20371	-0.59	0.27	0.606	1.93	0.07	0.790	-0.07	0.12	0.725	
101	SA4	1	20971	-7.59	0.01	0.933	-7.59	0.01	0.933	0.00			
102	SA4	3	20371	0.69	0.34	0.559	-13.70	0.99	0.319	0.43	1.10	0.294	
103	SA4	1	20971	2.45	1.57	0.210	2.45	1.57	0.210	0.00			
104	SA4	4	41342	-0.15	0.03	0.871	5.79	0.75	0.386	-0.16	0.79	0.373	
105	SA4	3	20371	1.09	0.89	0.344	10.40	2.11	0.146	-0.25	1.70	0.192	
106	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, 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 10.163: 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
1	MC	7480	10183	0.18	30.64	0.000	0.22	1.99	0.158	0.00	0.07	0.787	Uniform>
2	MC	3686	5073	0.07	2.26	0.132	0.19	0.64	0.423	0.00	0.27	0.602	
3	MC	3686	5073	0.11	4.70	0.030	0.35	1.50	0.220	0.00	0.75	0.387	
4	MC	3686	5073	0.02	0.21	0.643	-0.16	0.54	0.462	0.00	0.74	0.390	
5	MC	3686	5073	-0.08	2.64	0.104	-0.07	0.07	0.785	0.00	0.00	0.975	
6	MC	3794	5110	0.04	0.43	0.514	-0.10	0.17	0.682	0.00	0.35	0.553	
7	MC	3686	5073	0.09	2.81	0.094	0.33	1.60	0.206	0.00	0.85	0.355	
8	MC	3794	5110	0.07	2.12	0.145	0.02	0.01	0.907	0.00	0.05	0.832	
9	MC	3794	5110	0.16	11.56	0.001	-0.44	3.35	0.067	0.01	6.47	0.011	Uniform>
10	MC	3686	5073	0.15	9.66	0.002	-0.02	0.01	0.933	0.00	0.46	0.496	Uniform>
11	MC	3686	5073	0.19	14.45	0.000	0.55	4.65	0.031	-0.01	2.11	0.146	Uniform>
12	MC	3686	5073	-0.04	0.54	0.464	-0.72	8.13	0.004	0.01	7.65	0.006	NonUniform
13	MC	3686	5073	0.00	0.01	0.937	0.00	0.00	0.995	0.00	0.00	0.982	
14	MC	3686	5073	0.04	0.54	0.462	-0.45	3.24	0.072	0.01	3.93	0.048	
15	MC	3686	5073	-0.02	0.15	0.700	-0.39	2.51	0.113	0.01	2.37	0.124	
16	MC	3686	5073	-0.05	0.95	0.330	0.01	0.00	0.972	0.00	0.05	0.818	
17	MC	3686	5073	0.29	34.14	0.000	0.81	8.75	0.003	-0.01	3.68	0.055	Uniform>
18	MC	3686	5073	0.34	44.17	0.000	0.80	10.88	0.001	-0.01	3.69	0.055	Uniform>
19	MC	3686	5073	0.03	0.36	0.547	-0.34	1.72	0.189	0.01	2.10	0.147	
20	MC	3794	5110	0.19	11.42	0.001	0.41	2.46	0.117	0.00	0.74	0.390	Uniform>
21	MC	3686	5073	0.00	0.00	0.974	0.29	1.96	0.162	-0.01	2.08	0.149	
22	MC	3686	5073	0.05	1.27	0.260	-0.55	5.14	0.023	0.01	6.40	0.011	
23	MC	3794	5110	0.02	0.28	0.596	0.07	0.08	0.771	0.00	0.04	0.845	
24	MC	3794	5110	0.30	31.71	0.000	0.55	4.85	0.028	0.00	1.06	0.304	Uniform>
25	MC	3794	5110	0.28	31.82	0.000	0.56	4.91	0.027	-0.01	1.31	0.252	Uniform>
26	MC	3686	5073	-0.27	22.96	0.000	0.26	1.30	0.255	-0.01	5.67	0.017	Uniform<
27	MC	3794	5110	-0.21	20.52	0.000	-0.17	0.49	0.485	0.00	0.03	0.864	Uniform<
28	MC	3794	5110	0.01	0.05	0.819	-0.05	0.05	0.824	0.00	0.07	0.785	
29	MC	3794	5110	-0.03	0.37	0.545	-0.92	14.85	0.000	0.02	14.57	0.000	NonUniform
30	MC	3794	5110	0.05	1.13	0.288	0.47	3.71	0.054	-0.01	3.08	0.079	
31	MC	7480	10183	-0.10	9.01	0.003	-0.55	9.05	0.003	0.01	6.27	0.012	Uniform<
32	MC	7480	10183	0.45	78.91	0.000	0.59	9.47	0.002	0.00	0.58	0.447	Uniform>
33	MC	7480	10183	0.09	8.04	0.005	0.24	2.75	0.098	0.00	1.11	0.292	Uniform>
34	MC	7480	10183	0.10	9.61	0.002	0.33	4.62	0.032	0.00	2.38	0.123	Uniform>
35	MC	3794	5110	-0.02	0.23	0.635	0.41	2.94	0.086	-0.01	3.42	0.064	
36	MC	3794	5110	0.04	0.55	0.460	-0.08	0.13	0.722	0.00	0.27	0.607	
37	MC	3794	5110	-0.02	0.17	0.676	-0.32	1.53	0.216	0.01	1.39	0.239	
38	MC	3794	5110	0.22	21.14	0.000	0.21	0.75	0.388	0.00	0.00	0.979	Uniform>
39	MC	3794	5110	-0.08	2.83	0.092	-0.48	4.60	0.032	0.01	3.35	0.067	
40	MC	3794	5110	-0.11	5.20	0.023	-0.36	2.59	0.107	0.00	1.33	0.249	
41	MC	3794	5110	0.00	0.00	0.959	0.22	0.99	0.319	0.00	1.02	0.314	
42	SA1	3686	5073	-0.47	87.69	0.000	0.11	0.15	0.700	-0.01	3.98	0.046	Uniform<
43	SA1	3794	5110	0.07	1.98	0.159	-0.06	0.07	0.787	0.00	0.34	0.559	
44	SA1	3686	5073	-0.33	32.82	0.000	-0.43	2.42	0.120	0.00	0.13	0.715	Uniform<
45	SA1	3686	5073	-0.13	7.30	0.007	0.15	0.36	0.551	0.00	1.37	0.243	Uniform<
46	SA1	3794	5110	-0.35	48.44	0.000	-0.39	2.35	0.125	0.00	0.02	0.877	Uniform<
47	SA1	3794	5110	-0.34	43.38	0.000	0.07	0.08	0.771	-0.01	2.79	0.095	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.164: 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
1	MC	15181	2491	-0.16	12.70	0.000	-0.03	0.03	0.864	0.00	0.41	0.520	Uniform<
2	MC	7659	1107	0.04	0.42	0.518	-0.43	1.76	0.184	0.01	2.24	0.135	
3	MC	7659	1107	-0.28	14.44	0.000	-1.35	13.47	0.000	0.02	8.71	0.003	NonUniform
4	MC	7659	1107	0.10	1.93	0.165	0.96	9.06	0.003	-0.01	7.81	0.005	NonUniform
5	MC	7659	1107	-0.06	0.83	0.363	-0.03	0.01	0.932	0.00	0.01	0.921	
6	MC	7522	1384	0.13	2.77	0.096	0.06	0.05	0.819	0.00	0.06	0.806	
7	MC	7659	1107	-0.01	0.01	0.924	0.15	0.17	0.684	0.00	0.20	0.659	
8	MC	7522	1384	-0.28	18.46	0.000	-0.23	0.81	0.367	0.00	0.03	0.860	Uniform<
9	MC	7522	1384	-0.22	11.61	0.001	-0.13	0.17	0.679	0.00	0.09	0.759	Uniform<
10	MC	7659	1107	-0.01	0.01	0.930	0.52	1.97	0.161	-0.01	2.10	0.148	
11	MC	7659	1107	-0.11	2.22	0.136	-0.58	2.84	0.092	0.01	1.95	0.163	
12	MC	7659	1107	0.10	1.36	0.243	0.43	1.48	0.224	-0.01	0.94	0.332	
13	MC	7659	1107	-0.19	8.24	0.004	-0.73	5.99	0.014	0.01	3.38	0.066	Uniform<
14	MC	7659	1107	-0.09	1.80	0.180	0.11	0.10	0.752	0.00	0.37	0.545	
15	MC	7659	1107	-0.05	0.49	0.485	0.44	1.63	0.201	-0.01	2.14	0.143	
16	MC	7659	1107	-0.10	2.20	0.138	0.45	1.76	0.184	-0.01	2.79	0.095	
17	MC	7659	1107	0.02	0.07	0.790	-0.94	6.62	0.010	0.02	7.18	0.007	NonUniform
18	MC	7659	1107	-0.15	3.42	0.065	-0.63	3.74	0.053	0.01	2.35	0.125	
19	MC	7659	1107	-0.12	2.74	0.098	-1.07	10.62	0.001	0.02	8.76	0.003	NonUniform
20	MC	7522	1384	-0.18	4.95	0.026	-0.36	1.16	0.281	0.00	0.31	0.576	
21	MC	7659	1107	-0.25	11.93	0.001	-0.01	0.00	0.980	0.00	0.76	0.383	Uniform<
22	MC	7659	1107	-0.44	42.44	0.000	-0.39	1.48	0.224	0.00	0.03	0.854	Uniform<
23	MC	7522	1384	-0.02	0.11	0.737	-0.88	8.25	0.004	0.02	8.14	0.004	NonUniform
24	MC	7522	1384	-0.15	4.00	0.046	-0.74	5.73	0.017	0.01	3.88	0.049	
25	MC	7522	1384	0.04	0.32	0.573	-0.62	3.74	0.053	0.01	4.40	0.036	
26	MC	7659	1107	-0.02	0.04	0.832	-0.58	3.73	0.053	0.01	3.83	0.050	
27	MC	7522	1384	-0.26	16.62	0.000	0.06	0.04	0.839	-0.01	1.10	0.294	Uniform<
28	MC	7522	1384	-0.25	15.43	0.000	0.10	0.11	0.744	-0.01	1.38	0.241	Uniform<
29	MC	7522	1384	0.13	4.05	0.044	0.25	0.63	0.429	0.00	0.14	0.711	
30	MC	7522	1384	-0.07	1.15	0.284	-1.12	14.25	0.000	0.02	13.06	0.000	NonUniform
31	MC	15181	2491	-0.24	23.88	0.000	-0.84	13.42	0.000	0.01	7.23	0.007	NonUniform
32	MC	15181	2491	-0.13	3.09	0.079	-0.25	1.02	0.313	0.00	0.27	0.605	
33	MC	15181	2491	-0.14	10.36	0.001	0.44	5.48	0.019	-0.01	10.27	0.001	NonUniform
34	MC	15181	2491	-0.18	14.53	0.000	-0.39	3.80	0.051	0.00	1.21	0.271	Uniform<
35	MC	7522	1384	-0.19	8.07	0.005	-0.35	1.37	0.243	0.00	0.30	0.586	Uniform<
36	MC	7522	1384	-0.15	5.04	0.025	-0.53	3.19	0.074	0.01	1.73	0.189	
37	MC	7522	1384	-0.16	4.52	0.033	0.09	0.08	0.774	0.00	0.66	0.417	
38	MC	7522	1384	-0.11	2.88	0.090	0.37	1.26	0.263	-0.01	2.22	0.136	
39	MC	7522	1384	-0.07	1.34	0.247	0.53	3.41	0.065	-0.01	4.71	0.030	
40	MC	7522	1384	-0.05	0.67	0.413	0.06	0.05	0.819	0.00	0.18	0.668	
41	MC	7522	1384	-0.03	0.28	0.598	-0.32	1.36	0.243	0.01	1.15	0.284	
42	SA1	7659	1107	-0.34	20.11	0.000	-0.11	0.07	0.786	0.00	0.31	0.577	Uniform<
43	SA1	7522	1384	0.16	5.63	0.018	0.45	2.18	0.140	-0.01	0.95	0.330	
44	SA1	7659	1107	-0.03	0.10	0.747	0.40	1.03	0.310	-0.01	1.24	0.265	
45	SA1	7659	1107	-0.07	0.88	0.348	-0.35	1.21	0.271	0.00	0.83	0.362	
46	SA1	7522	1384	-0.19	7.15	0.008	0.32	0.91	0.341	-0.01	2.40	0.121	Uniform<
47	SA1	7522	1384	0.06	0.66	0.417	0.31	0.88	0.347	0.00	0.62	0.433	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.165: 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
1	MC	1693	15979	0.06	1.22	0.270	-0.32	1.27	0.260	0.01	1.84	0.175	
2	MC	684	8082	-0.13	2.35	0.125	-1.28	6.06	0.014	0.02	5.07	0.024	
3	MC	684	8082	0.02	0.04	0.847	-0.72	1.55	0.214	0.01	1.66	0.197	
4	MC	684	8082	0.18	4.63	0.031	0.05	0.01	0.910	0.00	0.10	0.751	
5	MC	684	8082	-0.09	1.21	0.272	-0.25	0.25	0.616	0.00	0.10	0.751	
6	MC	1009	7897	-0.04	0.23	0.633	0.21	0.26	0.611	-0.01	0.40	0.529	
7	MC	684	8082	0.03	0.07	0.789	-1.28	4.86	0.027	0.03	5.20	0.023	
8	MC	1009	7897	0.06	0.62	0.432	-0.35	0.92	0.339	0.01	1.28	0.258	
9	MC	1009	7897	0.21	8.47	0.004	-0.90	4.55	0.033	0.02	7.19	0.007	NonUniform
10	MC	684	8082	-0.08	0.82	0.364	-0.32	0.39	0.530	0.00	0.23	0.631	
11	MC	684	8082	0.13	2.09	0.148	-0.21	0.18	0.675	0.01	0.46	0.496	
12	MC	684	8082	-0.06	0.32	0.574	-0.49	0.85	0.356	0.01	0.70	0.404	
13	MC	684	8082	-0.09	1.09	0.296	-0.14	0.09	0.770	0.00	0.01	0.918	
14	MC	684	8082	-0.06	0.45	0.504	-0.03	0.00	0.958	0.00	0.00	0.945	
15	MC	684	8082	0.02	0.06	0.805	-0.50	1.03	0.310	0.01	1.17	0.280	
16	MC	684	8082	-0.12	2.09	0.148	-1.29	6.38	0.012	0.02	5.43	0.020	
17	MC	684	8082	-0.15	2.89	0.089	-0.10	0.04	0.850	0.00	0.01	0.923	
18	MC	684	8082	0.07	0.58	0.446	-1.52	7.64	0.006	0.03	8.57	0.003	NonUniform
19	MC	684	8082	-0.09	1.15	0.283	0.11	0.05	0.827	0.00	0.17	0.680	
20	MC	1009	7897	0.08	0.87	0.352	-0.21	0.21	0.648	0.01	0.42	0.519	
21	MC	684	8082	0.15	2.75	0.097	0.24	0.31	0.579	0.00	0.05	0.825	
22	MC	684	8082	0.54	42.33	0.000	-0.80	2.67	0.102	0.02	7.76	0.005	NonUniform
23	MC	1009	7897	-0.09	1.64	0.201	-0.55	1.61	0.205	0.01	1.14	0.285	
24	MC	1009	7897	0.07	0.83	0.362	-0.03	0.01	0.937	0.00	0.07	0.797	
25	MC	1009	7897	0.01	0.01	0.917	0.12	0.09	0.769	0.00	0.08	0.780	
26	MC	684	8082	0.04	0.16	0.689	0.38	0.63	0.428	-0.01	0.53	0.469	
27	MC	1009	7897	0.13	3.23	0.072	-0.30	0.55	0.458	0.01	1.15	0.283	
28	MC	1009	7897	-0.01	0.01	0.926	-0.23	0.33	0.565	0.00	0.32	0.569	
29	MC	1009	7897	-0.29	14.08	0.000	0.26	0.41	0.523	-0.01	1.87	0.171	Uniform<
30	MC	1009	7897	-0.04	0.24	0.625	-0.43	1.06	0.303	0.01	0.93	0.336	
31	MC	1693	15979	0.11	3.87	0.049	-0.28	0.75	0.386	0.01	1.49	0.222	
32	MC	1693	15979	-0.04	0.21	0.649	-0.43	1.24	0.266	0.01	1.08	0.300	
33	MC	1693	15979	-0.03	0.40	0.528	-0.06	0.04	0.837	0.00	0.01	0.934	
34	MC	1693	15979	0.15	8.05	0.005	-0.11	0.15	0.697	0.00	0.88	0.349	Uniform>
35	MC	1009	7897	0.11	2.32	0.128	-1.44	10.58	0.001	0.03	12.65	0.000	NonUniform
36	MC	1009	7897	0.06	0.73	0.394	0.01	0.00	0.976	0.00	0.02	0.897	
37	MC	1009	7897	0.04	0.23	0.629	0.49	1.26	0.262	-0.01	1.09	0.298	
38	MC	1009	7897	0.03	0.14	0.708	-0.58	1.80	0.180	0.01	2.05	0.152	
39	MC	1009	7897	-0.03	0.19	0.663	-0.74	3.40	0.065	0.01	3.25	0.071	
40	MC	1009	7897	0.06	0.70	0.404	0.29	0.61	0.434	0.00	0.40	0.529	
41	MC	1009	7897	-0.01	0.01	0.924	-0.15	0.16	0.687	0.00	0.15	0.694	
42	SA1	684	8082	-0.05	0.27	0.602	-0.58	1.02	0.312	0.01	0.89	0.345	
43	SA1	1009	7897	-0.24	9.47	0.002	-0.21	0.26	0.613	0.00	0.01	0.934	Uniform<
44	SA1	684	8082	0.06	0.36	0.547	-1.62	6.69	0.010	0.03	7.36	0.007	NonUniform
45	SA1	684	8082	-0.20	4.83	0.028	0.46	0.90	0.343	-0.01	1.92	0.166	
46	SA1	1009	7897	-0.07	0.92	0.336	-0.23	0.29	0.588	0.00	0.14	0.708	
47	SA1	1009	7897	-0.16	4.48	0.034	-0.15	0.12	0.724	0.00	0.00	0.968	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.166: 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
1	MC	2840	14832	-0.04	0.75	0.386	0.09	0.18	0.670	0.00	0.39	0.531	
2	MC	1377	7389	-0.01	0.01	0.928	-0.51	2.45	0.118	0.01	2.50	0.114	
3	MC	1377	7389	-0.12	2.85	0.091	1.34	14.61	0.000	-0.03	17.85	0.000	NonUniform
4	MC	1377	7389	0.11	2.58	0.108	0.11	0.15	0.703	0.00	0.00	0.989	
5	MC	1377	7389	-0.15	5.17	0.023	0.62	3.76	0.053	-0.01	6.04	0.014	
6	MC	1463	7443	-0.13	3.51	0.061	0.04	0.02	0.888	0.00	0.36	0.548	
7	MC	1377	7389	-0.40	33.33	0.000	-1.09	9.70	0.002	0.01	4.09	0.043	Uniform<
8	MC	1463	7443	-0.08	1.84	0.174	-0.09	0.11	0.743	0.00	0.00	0.975	
9	MC	1463	7443	0.06	0.92	0.336	-0.02	0.00	0.947	0.00	0.07	0.789	
10	MC	1377	7389	0.03	0.26	0.613	0.22	0.46	0.499	0.00	0.35	0.557	
11	MC	1377	7389	-0.14	4.24	0.040	-0.18	0.29	0.590	0.00	0.02	0.887	
12	MC	1377	7389	0.08	1.18	0.277	0.80	6.32	0.012	-0.01	5.32	0.021	
13	MC	1377	7389	-0.16	5.63	0.018	0.28	0.86	0.353	-0.01	2.17	0.141	
14	MC	1377	7389	-0.01	0.01	0.937	0.27	0.68	0.410	-0.01	0.74	0.391	
15	MC	1377	7389	0.09	1.87	0.171	1.37	20.67	0.000	-0.02	18.58	0.000	NonUniform
16	MC	1377	7389	-0.02	0.14	0.711	0.92	9.66	0.002	-0.02	10.59	0.001	NonUniform
17	MC	1377	7389	-0.22	10.64	0.001	0.25	0.49	0.486	-0.01	1.80	0.180	Uniform<
18	MC	1377	7389	-0.26	16.15	0.000	-0.98	8.68	0.003	0.01	4.83	0.028	Uniform<
19	MC	1377	7389	-0.13	3.62	0.057	0.73	5.09	0.024	-0.02	7.28	0.007	NonUniform
20	MC	1463	7443	-0.48	49.78	0.000	-1.54	17.63	0.000	0.02	8.69	0.003	NonUniform
21	MC	1377	7389	-0.01	0.03	0.868	-0.55	3.65	0.056	0.01	3.68	0.055	
22	MC	1377	7389	-0.09	1.92	0.166	-0.29	0.80	0.372	0.00	0.39	0.532	
23	MC	1463	7443	0.02	0.05	0.817	0.60	3.34	0.068	-0.01	3.29	0.070	
24	MC	1463	7443	-0.23	11.91	0.001	-1.08	9.70	0.002	0.02	6.28	0.012	Uniform<
25	MC	1463	7443	-0.22	11.93	0.001	-0.80	5.08	0.024	0.01	2.74	0.098	Uniform<
26	MC	1377	7389	-0.11	2.37	0.123	-0.19	0.38	0.539	0.00	0.07	0.794	
27	MC	1463	7443	-0.03	0.19	0.663	0.44	1.89	0.169	-0.01	2.23	0.136	
28	MC	1463	7443	0.12	3.57	0.059	1.22	16.89	0.000	-0.02	14.24	0.000	NonUniform
29	MC	1463	7443	-0.06	0.74	0.390	0.16	0.27	0.604	0.00	0.51	0.474	
30	MC	1463	7443	-0.22	11.55	0.001	-0.20	0.37	0.545	0.00	0.00	0.962	Uniform<
31	MC	2840	14832	-0.19	15.90	0.000	-0.10	0.17	0.677	0.00	0.13	0.721	Uniform<
32	MC	2840	14832	-0.33	34.91	0.000	-1.40	27.97	0.000	0.02	16.82	0.000	NonUniform
33	MC	2840	14832	-0.03	0.56	0.453	0.02	0.01	0.935	0.00	0.07	0.795	
34	MC	2840	14832	-0.01	0.03	0.871	-0.79	13.31	0.000	0.02	13.66	0.000	NonUniform
35	MC	1463	7443	-0.13	4.50	0.034	-0.10	0.09	0.762	0.00	0.02	0.902	
36	MC	1463	7443	-0.15	5.74	0.017	-0.65	3.92	0.048	0.01	2.39	0.122	
37	MC	1463	7443	0.06	0.54	0.462	0.54	2.53	0.112	-0.01	2.11	0.146	
38	MC	1463	7443	-0.08	1.19	0.276	0.45	1.79	0.181	-0.01	2.54	0.111	
39	MC	1463	7443	-0.05	0.60	0.440	0.58	3.78	0.052	-0.01	4.67	0.031	
40	MC	1463	7443	0.00	0.00	0.972	0.20	0.44	0.506	0.00	0.47	0.491	
41	MC	1463	7443	0.02	0.11	0.743	0.20	0.45	0.500	0.00	0.38	0.537	
42	SA1	1377	7389	-0.21	9.24	0.002	-0.43	1.17	0.280	0.00	0.31	0.580	Uniform<
43	SA1	1463	7443	0.08	1.62	0.203	0.59	3.87	0.049	-0.01	2.96	0.085	
44	SA1	1377	7389	-0.34	23.17	0.000	-1.85	22.72	0.000	0.03	15.61	0.000	NonUniform
45	SA1	1377	7389	0.02	0.10	0.758	0.46	2.13	0.144	-0.01	2.02	0.155	
46	SA1	1463	7443	-0.24	13.58	0.000	-0.80	5.45	0.020	0.01	2.80	0.094	Uniform<
47	SA1	1463	7443	-0.30	21.43	0.000	-0.38	1.35	0.246	0.00	0.07	0.794	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.167: 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
1	MC	11625	6047	-0.05	2.50	0.114	-0.21	1.87	0.171	0.00	1.11	0.292	
2	MC	5837	2929	0.05	1.05	0.305	-0.41	2.80	0.094	0.01	3.67	0.055	
3	MC	5837	2929	-0.08	2.45	0.118	-0.69	5.68	0.017	0.01	4.56	0.033	
4	MC	5837	2929	0.03	0.29	0.592	0.68	9.36	0.002	-0.01	9.15	0.002	NonUniform
5	MC	5837	2929	-0.03	0.33	0.567	-0.24	0.88	0.349	0.00	0.71	0.401	
6	MC	5788	3118	0.12	3.68	0.055	0.21	0.80	0.370	0.00	0.17	0.682	
7	MC	5837	2929	-0.01	0.01	0.922	-0.11	0.17	0.679	0.00	0.16	0.687	
8	MC	5788	3118	-0.07	2.32	0.127	-0.21	1.01	0.314	0.00	0.45	0.501	
9	MC	5788	3118	-0.11	4.95	0.026	-0.21	0.78	0.378	0.00	0.19	0.659	
10	MC	5837	2929	0.03	0.30	0.585	0.38	2.07	0.150	-0.01	1.85	0.174	
11	MC	5837	2929	-0.01	0.07	0.794	-0.54	4.27	0.039	0.01	4.22	0.040	
12	MC	5837	2929	-0.01	0.02	0.879	0.29	1.31	0.253	-0.01	1.47	0.226	
13	MC	5837	2929	-0.05	0.93	0.336	-0.16	0.48	0.490	0.00	0.25	0.617	
14	MC	5837	2929	-0.08	2.27	0.132	0.30	1.41	0.234	-0.01	2.31	0.129	
15	MC	5837	2929	0.04	0.49	0.486	0.46	3.40	0.065	-0.01	3.03	0.081	
16	MC	5837	2929	-0.13	7.32	0.007	0.00	0.00	0.995	0.00	0.31	0.580	Uniform<
17	MC	5837	2929	0.05	0.90	0.344	-0.62	4.92	0.027	0.01	5.94	0.015	
18	MC	5837	2929	-0.06	1.30	0.254	-0.40	2.62	0.106	0.01	1.96	0.161	
19	MC	5837	2929	-0.13	7.09	0.008	-0.22	0.71	0.398	0.00	0.11	0.735	Uniform<
20	MC	5788	3118	-0.11	3.35	0.067	-0.94	13.02	0.000	0.02	10.74	0.001	NonUniform
21	MC	5837	2929	-0.08	2.56	0.110	-0.07	0.11	0.736	0.00	0.00	0.969	
22	MC	5837	2929	-0.13	6.98	0.008	-0.13	0.26	0.607	0.00	0.00	0.989	Uniform<
23	MC	5788	3118	-0.11	5.16	0.023	-0.58	5.43	0.020	0.01	3.70	0.054	
24	MC	5788	3118	-0.05	0.94	0.331	-0.35	1.98	0.160	0.01	1.49	0.222	
25	MC	5788	3118	-0.02	0.20	0.651	-0.55	4.58	0.032	0.01	4.37	0.037	
26	MC	5837	2929	-0.19	10.25	0.001	-0.30	1.73	0.188	0.00	0.25	0.614	Uniform<
27	MC	5788	3118	-0.23	21.77	0.000	-0.06	0.06	0.803	0.00	0.47	0.493	Uniform<
28	MC	5788	3118	-0.15	9.57	0.002	0.11	0.21	0.648	0.00	1.23	0.268	Uniform<
29	MC	5788	3118	-0.03	0.49	0.483	-0.04	0.02	0.878	0.00	0.00	0.995	
30	MC	5788	3118	-0.05	0.87	0.352	-0.36	2.12	0.145	0.01	1.69	0.194	
31	MC	11625	6047	-0.24	48.96	0.000	-0.33	3.28	0.070	0.00	0.22	0.637	Uniform<
32	MC	11625	6047	0.06	1.47	0.226	-0.13	0.45	0.501	0.00	1.07	0.302	
33	MC	11625	6047	-0.04	1.24	0.266	0.52	12.51	0.000	-0.01	15.19	0.000	NonUniform
34	MC	11625	6047	-0.08	5.04	0.025	-0.02	0.01	0.905	0.00	0.14	0.713	
35	MC	5788	3118	-0.14	7.71	0.006	-0.27	1.24	0.266	0.00	0.29	0.590	Uniform<
36	MC	5788	3118	-0.11	4.93	0.026	-0.57	5.72	0.017	0.01	3.87	0.049	
37	MC	5788	3118	-0.15	6.33	0.012	-0.18	0.47	0.491	0.00	0.01	0.903	
38	MC	5788	3118	0.01	0.07	0.796	0.56	4.66	0.031	-0.01	4.63	0.031	
39	MC	5788	3118	-0.09	3.09	0.079	0.70	9.57	0.002	-0.01	12.74	0.000	NonUniform
40	MC	5788	3118	0.01	0.05	0.823	0.12	0.27	0.602	0.00	0.23	0.628	
41	MC	5788	3118	-0.05	1.14	0.285	-0.33	2.22	0.136	0.00	1.65	0.198	
42	SA1	5837	2929	-0.15	8.39	0.004	-0.02	0.01	0.944	0.00	0.19	0.660	Uniform<
43	SA1	5788	3118	0.01	0.02	0.884	0.05	0.05	0.819	0.00	0.04	0.840	
44	SA1	5837	2929	0.09	2.45	0.118	-0.10	0.13	0.714	0.00	0.53	0.468	
45	SA1	5837	2929	-0.01	0.05	0.827	-0.14	0.31	0.577	0.00	0.27	0.601	
46	SA1	5788	3118	-0.10	3.85	0.050	0.23	0.78	0.378	-0.01	1.72	0.189	
47	SA1	5788	3118	0.08	2.25	0.133	0.50	3.69	0.055	-0.01	2.71	0.100	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.168: 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
1	MC	11625	2296	0.00	0.01	0.917	0.63	5.81	0.016	-0.01	5.93	0.015	
2	MC	5837	1131	0.13	3.29	0.070	0.79	3.71	0.054	-0.01	2.71	0.100	
3	MC	5837	1131	0.02	0.08	0.780	-0.42	0.92	0.337	0.01	1.04	0.308	
4	MC	5837	1131	0.00	0.00	0.975	0.15	0.18	0.668	0.00	0.19	0.665	
5	MC	5837	1131	0.12	2.99	0.084	-0.47	1.50	0.221	0.01	2.43	0.119	
6	MC	5788	1165	0.21	5.79	0.016	0.28	0.49	0.483	0.00	0.03	0.853	
7	MC	5837	1131	-0.02	0.05	0.822	1.34	8.11	0.004	-0.03	8.57	0.003	NonUniform
8	MC	5788	1165	0.06	0.75	0.387	-0.01	0.00	0.974	0.00	0.04	0.835	
9	MC	5788	1165	-0.09	1.56	0.212	0.31	0.61	0.434	-0.01	1.04	0.308	
10	MC	5837	1131	0.17	6.20	0.013	0.76	3.34	0.068	-0.01	2.04	0.153	
11	MC	5837	1131	0.05	0.55	0.458	-0.01	0.00	0.990	0.00	0.02	0.884	
12	MC	5837	1131	0.08	0.93	0.335	0.01	0.00	0.982	0.00	0.03	0.858	
13	MC	5837	1131	0.14	3.83	0.050	1.01	6.35	0.012	-0.02	4.93	0.026	
14	MC	5837	1131	-0.04	0.34	0.562	0.48	1.43	0.231	-0.01	1.76	0.185	
15	MC	5837	1131	0.12	2.63	0.105	0.51	1.64	0.200	-0.01	1.00	0.316	
16	MC	5837	1131	0.00	0.00	0.959	0.38	0.98	0.323	-0.01	1.03	0.310	
17	MC	5837	1131	0.17	5.32	0.021	-0.57	1.82	0.177	0.01	3.16	0.076	
18	MC	5837	1131	0.06	0.65	0.421	0.33	0.65	0.420	0.00	0.45	0.504	
19	MC	5837	1131	0.00	0.00	0.948	-0.14	0.12	0.727	0.00	0.13	0.714	
20	MC	5788	1165	-0.01	0.02	0.894	-0.56	1.72	0.190	0.01	1.72	0.189	
21	MC	5837	1131	0.03	0.16	0.687	0.13	0.14	0.708	0.00	0.09	0.765	
22	MC	5837	1131	-0.10	2.06	0.151	0.27	0.50	0.481	-0.01	0.96	0.328	
23	MC	5788	1165	-0.05	0.58	0.445	0.60	2.05	0.152	-0.01	2.50	0.114	
24	MC	5788	1165	0.05	0.48	0.487	0.23	0.29	0.589	0.00	0.17	0.676	
25	MC	5788	1165	0.03	0.22	0.638	0.13	0.10	0.755	0.00	0.05	0.815	
26	MC	5837	1131	-0.30	11.51	0.001	-0.09	0.05	0.831	0.00	0.31	0.580	Uniform<
27	MC	5788	1165	-0.16	5.25	0.022	0.57	2.04	0.153	-0.01	3.44	0.064	
28	MC	5788	1165	-0.09	1.64	0.201	-0.13	0.13	0.716	0.00	0.02	0.897	
29	MC	5788	1165	0.01	0.01	0.914	0.89	4.91	0.027	-0.02	5.02	0.025	
30	MC	5788	1165	0.03	0.25	0.616	0.57	1.93	0.165	-0.01	1.76	0.185	
31	MC	11625	2296	-0.15	9.49	0.002	0.25	0.76	0.382	-0.01	2.01	0.156	Uniform<
32	MC	11625	2296	0.25	12.06	0.001	0.60	3.30	0.069	-0.01	1.20	0.274	Uniform>
33	MC	11625	2296	0.08	2.55	0.110	0.81	10.73	0.001	-0.01	9.21	0.002	NonUniform
34	MC	11625	2296	-0.06	1.75	0.186	0.26	1.03	0.310	-0.01	1.65	0.199	
35	MC	5788	1165	-0.06	0.71	0.399	0.11	0.08	0.784	0.00	0.19	0.663	
36	MC	5788	1165	0.01	0.01	0.925	-0.34	0.81	0.369	0.01	0.87	0.351	
37	MC	5788	1165	-0.07	0.62	0.431	-0.04	0.01	0.926	0.00	0.00	0.950	
38	MC	5788	1165	0.11	2.33	0.127	1.41	10.25	0.001	-0.02	9.06	0.003	NonUniform
39	MC	5788	1165	-0.02	0.06	0.802	1.46	13.80	0.000	-0.03	14.89	0.000	NonUniform
40	MC	5788	1165	0.14	3.72	0.054	0.30	0.60	0.438	0.00	0.17	0.677	
41	MC	5788	1165	-0.10	2.09	0.149	-0.21	0.34	0.558	0.00	0.10	0.753	
42	SA1	5837	1131	0.09	1.69	0.193	0.12	0.07	0.789	0.00	0.00	0.953	
43	SA1	5788	1165	-0.08	1.20	0.274	-0.56	2.44	0.118	0.01	1.87	0.171	
44	SA1	5837	1131	0.33	15.94	0.000	0.11	0.07	0.790	0.00	0.25	0.615	Uniform>
45	SA1	5837	1131	0.14	3.51	0.061	-0.24	0.36	0.547	0.01	0.96	0.328	
46	SA1	5788	1165	0.03	0.15	0.694	0.75	3.18	0.074	-0.01	3.03	0.082	
47	SA1	5788	1165	0.21	8.12	0.004	0.57	1.93	0.165	-0.01	0.78	0.376	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.169: 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
1	MC	3751	2296	0.09	2.67	0.10	1.15	16.95	0.00	-0.02	15.02	0.00	NonUniform
2	MC	1798	1131	0.12	2.31	0.13	1.66	14.40	0.00	-0.03	12.85	0.00	NonUniform
3	MC	1798	1131	0.17	4.09	0.04	0.43	0.79	0.37	0.00	0.29	0.59	
4	MC	1798	1131	-0.04	0.19	0.66	-0.76	3.76	0.05	0.01	3.56	0.06	
5	MC	1798	1131	0.25	9.15	0.00	-0.28	0.43	0.51	0.01	1.59	0.21	Uniform>
6	MC	1953	1165	0.16	2.37	0.12	0.08	0.03	0.85	0.00	0.04	0.85	
7	MC	1798	1131	-0.03	0.09	0.77	1.93	14.93	0.00	-0.04	15.91	0.00	NonUniform
8	MC	1953	1165	0.21	7.09	0.01	0.27	0.55	0.46	0.00	0.03	0.87	Uniform>
9	MC	1953	1165	0.03	0.17	0.68	0.72	2.89	0.09	-0.01	2.73	0.10	
10	MC	1798	1131	0.25	8.93	0.00	0.60	1.67	0.20	-0.01	0.58	0.45	Uniform>
11	MC	1798	1131	0.11	1.67	0.20	0.77	2.95	0.09	-0.01	2.25	0.13	
12	MC	1798	1131	0.15	2.29	0.13	-0.35	0.61	0.43	0.01	1.30	0.26	
13	MC	1798	1131	0.29	13.19	0.00	1.63	14.58	0.00	-0.02	10.23	0.00	NonUniform
14	MC	1798	1131	0.05	0.39	0.53	0.27	0.37	0.54	0.00	0.25	0.62	
15	MC	1798	1131	0.14	2.46	0.12	0.11	0.06	0.80	0.00	0.00	0.96	
16	MC	1798	1131	0.21	6.66	0.01	0.57	1.90	0.17	-0.01	0.80	0.37	Uniform>
17	MC	1798	1131	0.20	5.32	0.02	0.10	0.05	0.82	0.00	0.04	0.84	
18	MC	1798	1131	0.20	4.89	0.03	1.01	5.36	0.02	-0.02	3.61	0.06	
19	MC	1798	1131	0.23	7.71	0.01	0.16	0.13	0.72	0.00	0.03	0.87	Uniform>
20	MC	1953	1165	0.13	1.74	0.19	0.51	1.26	0.26	-0.01	0.73	0.39	
21	MC	1798	1131	0.18	4.67	0.03	0.29	0.59	0.44	0.00	0.08	0.77	
22	MC	1798	1131	0.05	0.34	0.56	0.57	1.84	0.18	-0.01	1.61	0.21	
23	MC	1953	1165	0.09	1.29	0.26	1.62	13.26	0.00	-0.03	12.26	0.00	NonUniform
24	MC	1953	1165	0.17	3.37	0.07	0.79	3.11	0.08	-0.01	2.00	0.16	
25	MC	1953	1165	0.09	1.06	0.30	0.95	4.50	0.03	-0.02	3.85	0.05	
26	MC	1798	1131	-0.18	3.07	0.08	0.29	0.45	0.50	-0.01	1.27	0.26	
27	MC	1953	1165	0.11	1.84	0.17	0.89	4.29	0.04	-0.01	3.44	0.06	
28	MC	1953	1165	0.10	1.58	0.21	-0.32	0.62	0.43	0.01	1.11	0.29	
29	MC	1953	1165	0.06	0.62	0.43	1.25	8.52	0.00	-0.02	8.02	0.00	NonUniform
30	MC	1953	1165	0.13	2.50	0.11	1.30	8.72	0.00	-0.02	7.36	0.01	NonUniform
31	MC	3751	2296	0.15	7.03	0.01	0.85	7.22	0.01	-0.01	5.01	0.03	Uniform>
32	MC	3751	2296	0.29	11.81	0.00	0.91	6.84	0.01	-0.01	3.35	0.07	Uniform>
33	MC	3751	2296	0.19	11.43	0.00	0.42	2.47	0.12	0.00	0.77	0.38	Uniform>
34	MC	3751	2296	0.02	0.12	0.73	0.39	1.95	0.16	-0.01	1.83	0.18	
35	MC	1953	1165	0.13	2.39	0.12	0.52	1.54	0.21	-0.01	0.91	0.34	
36	MC	1953	1165	0.19	5.09	0.02	0.32	0.63	0.43	0.00	0.12	0.73	
37	MC	1953	1165	0.12	1.69	0.19	0.19	0.18	0.67	0.00	0.03	0.87	
38	MC	1953	1165	0.15	3.35	0.07	1.19	6.33	0.01	-0.02	4.98	0.03	
39	MC	1953	1165	0.11	1.90	0.17	1.02	5.96	0.01	-0.02	4.93	0.03	
40	MC	1953	1165	0.21	6.10	0.01	0.27	0.44	0.51	0.00	0.02	0.88	
41	MC	1953	1165	-0.08	1.00	0.32	0.15	0.14	0.70	0.00	0.36	0.55	
42	SA1	1798	1131	0.42	23.07	0.00	0.28	0.31	0.58	0.00	0.08	0.78	Uniform>
43	SA1	1953	1165	-0.14	2.68	0.10	-0.87	4.96	0.03	0.01	3.69	0.05	
44	SA1	1798	1131	0.40	16.17	0.00	0.27	0.31	0.58	0.00	0.09	0.77	Uniform>
45	SA1	1798	1131	0.25	8.01	0.00	-0.08	0.04	0.85	0.01	0.61	0.44	Uniform>
46	SA1	1953	1165	0.23	6.79	0.01	0.73	2.56	0.11	-0.01	1.24	0.27	Uniform>
47	SA1	1953	1165	0.24	7.02	0.01	0.10	0.05	0.83	0.00	0.10	0.75	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.170: 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
1	MC	210	2296	0.39	6.48	0.011	0.97	1.49	0.223	-0.01	0.55	0.456	
2	MC	64	1131	-0.30	1.12	0.291	0.05	0.00	0.974	-0.01	0.05	0.826	
3	MC	64	1131	-0.20	0.47	0.495	-1.55	0.61	0.434	0.02	0.48	0.489	
4	MC	64	1131	0.27	1.01	0.315	-2.09	1.90	0.168	0.04	2.57	0.109	
5	MC	64	1131	0.54	3.94	0.047	-2.03	1.34	0.247	0.04	2.21	0.137	
6	MC	146	1165	0.14	0.32	0.569	1.29	1.39	0.239	-0.02	1.19	0.276	
7	MC	64	1131	-0.84	6.97	0.008	-1.09	0.31	0.579	0.00	0.02	0.898	Uniform<
8	MC	146	1165	0.16	0.71	0.399	-1.00	0.93	0.335	0.02	1.29	0.256	
9	MC	146	1165	0.04	0.05	0.819	-0.29	0.06	0.804	0.01	0.08	0.771	
10	MC	64	1131	0.15	0.29	0.587	1.32	0.81	0.368	-0.02	0.66	0.418	
11	MC	64	1131	0.14	0.22	0.635	1.10	0.56	0.456	-0.02	0.44	0.506	
12	MC	64	1131	-0.17	0.24	0.621	1.48	0.87	0.351	-0.03	1.09	0.296	
13	MC	64	1131	-0.48	2.50	0.114	-0.34	0.04	0.844	0.00	0.01	0.935	
14	MC	64	1131	-0.26	0.76	0.384	0.17	0.01	0.916	-0.01	0.07	0.787	
15	MC	64	1131	-0.07	0.06	0.813	0.06	0.00	0.969	0.00	0.01	0.933	
16	MC	64	1131	-0.23	0.66	0.416	-1.02	0.38	0.535	0.01	0.24	0.623	
17	MC	64	1131	0.68	4.85	0.028	-0.71	0.15	0.700	0.03	0.58	0.445	
18	MC	64	1131	0.40	1.53	0.216	0.06	0.00	0.973	0.01	0.05	0.830	
19	MC	64	1131	0.05	0.03	0.861	0.05	0.00	0.975	0.00	0.00	1.000	
20	MC	146	1165	0.13	0.28	0.595	0.22	0.03	0.852	0.00	0.01	0.934	
21	MC	64	1131	0.32	1.15	0.285	0.80	0.35	0.553	-0.01	0.14	0.712	
22	MC	64	1131	0.73	7.15	0.007	-0.32	0.04	0.837	0.02	0.48	0.487	Uniform>
23	MC	146	1165	0.10	0.30	0.582	1.44	1.75	0.186	-0.02	1.54	0.215	
24	MC	146	1165	0.16	0.53	0.465	1.21	1.23	0.267	-0.02	0.97	0.324	
25	MC	146	1165	-0.07	0.13	0.716	0.28	0.06	0.808	-0.01	0.10	0.756	
26	MC	64	1131	-0.28	0.71	0.401	0.68	0.22	0.641	-0.02	0.47	0.494	
27	MC	146	1165	0.37	4.00	0.046	1.74	2.99	0.084	-0.02	1.91	0.167	
28	MC	146	1165	-0.16	0.68	0.408	-1.49	1.53	0.216	0.02	1.27	0.259	
29	MC	146	1165	-0.23	1.29	0.256	0.14	0.01	0.907	-0.01	0.10	0.756	
30	MC	146	1165	-0.16	0.66	0.416	1.64	2.37	0.124	-0.03	2.90	0.088	
31	MC	210	2296	0.12	0.56	0.454	-0.25	0.07	0.792	0.01	0.15	0.695	
32	MC	210	2296	0.30	1.50	0.221	0.26	0.06	0.811	0.00	0.00	0.967	
33	MC	210	2296	0.18	1.42	0.234	0.33	0.18	0.672	0.00	0.04	0.843	
34	MC	210	2296	0.30	3.86	0.050	0.98	1.58	0.209	-0.01	0.79	0.374	
35	MC	146	1165	0.17	0.73	0.393	-1.79	1.99	0.159	0.04	2.45	0.118	
36	MC	146	1165	0.20	1.06	0.303	-1.24	1.11	0.291	0.03	1.55	0.213	
37	MC	146	1165	0.14	0.40	0.529	1.28	1.32	0.250	-0.02	1.07	0.300	
38	MC	146	1165	-0.13	0.39	0.532	0.09	0.00	0.947	0.00	0.03	0.868	
39	MC	146	1165	0.11	0.33	0.563	-1.09	0.78	0.376	0.02	0.99	0.319	
40	MC	146	1165	0.30	2.44	0.118	1.41	2.04	0.153	-0.02	1.31	0.253	
41	MC	146	1165	-0.21	1.21	0.272	-1.03	0.83	0.361	0.01	0.55	0.459	
42	SA1	64	1131	0.04	0.02	0.883	1.27	0.64	0.425	-0.02	0.61	0.434	
43	SA1	146	1165	-0.09	0.23	0.629	-2.47	4.04	0.045	0.04	3.95	0.047	
44	SA1	64	1131	0.74	3.80	0.051	-0.03	0.00	0.987	0.02	0.18	0.669	
45	SA1	64	1131	-0.41	1.57	0.210	-0.93	0.27	0.601	0.01	0.09	0.766	
46	SA1	146	1165	0.09	0.18	0.673	2.27	4.87	0.027	-0.04	4.70	0.030	
47	SA1	146	1165	-0.15	0.58	0.446	1.10	1.07	0.301	-0.02	1.44	0.230	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.171: 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
1	MC	20904	17672	-0.17	46.31	0.000	-2.94	398.64	0.000	0.04	368.62	0.000	NonUniform
2	MC	10753	8766	0.00	0.01	0.919	-2.89	173.45	0.000	0.05	179.30	0.000	NonUniform
3	MC	10753	8766	0.03	0.69	0.405	-2.97	130.87	0.000	0.05	137.70	0.000	NonUniform
4	MC	10753	8766	-0.05	1.64	0.201	-1.82	82.99	0.000	0.03	82.17	0.000	NonUniform
5	MC	10753	8766	0.02	0.26	0.614	-3.92	281.26	0.000	0.06	294.23	0.000	NonUniform
6	MC	10151	8906	0.00	0.00	0.947	-0.11	0.18	0.668	0.00	0.20	0.651	
7	MC	10753	8766	0.37	51.43	0.000	-0.64	5.09	0.024	0.02	13.12	0.000	NonUniform
8	MC	10151	8906	0.12	9.60	0.002	-1.74	69.02	0.000	0.03	81.53	0.000	NonUniform
9	MC	10151	8906	-0.09	6.30	0.012	-1.54	53.21	0.000	0.02	48.92	0.000	NonUniform
10	MC	10753	8766	0.16	18.24	0.000	-3.97	245.82	0.000	0.07	274.64	0.000	NonUniform
11	MC	10753	8766	0.09	5.16	0.023	-2.58	108.00	0.000	0.04	119.29	0.000	NonUniform
12	MC	10753	8766	-0.24	35.39	0.000	-4.71	335.30	0.000	0.07	318.45	0.000	NonUniform
13	MC	10753	8766	-0.03	0.68	0.411	-2.86	185.84	0.000	0.04	189.28	0.000	NonUniform
14	MC	10753	8766	0.02	0.32	0.574	-2.59	143.59	0.000	0.04	151.18	0.000	NonUniform
15	MC	10753	8766	-0.01	0.02	0.886	-3.23	218.51	0.000	0.05	226.76	0.000	NonUniform
16	MC	10753	8766	0.02	0.40	0.527	-3.18	216.06	0.000	0.05	227.36	0.000	NonUniform
17	MC	10753	8766	0.20	23.93	0.000	-1.79	48.04	0.000	0.03	60.99	0.000	NonUniform
18	MC	10753	8766	-0.09	4.45	0.035	-2.59	107.42	0.000	0.04	103.36	0.000	NonUniform
19	MC	10753	8766	0.20	30.49	0.000	-2.50	114.01	0.000	0.04	137.40	0.000	NonUniform
20	MC	10151	8906	0.54	85.39	0.000	-0.70	4.99	0.026	0.02	15.90	0.000	NonUniform
21	MC	10753	8766	0.06	2.64	0.104	-1.11	28.63	0.000	0.02	33.11	0.000	NonUniform
22	MC	10753	8766	-0.08	4.79	0.029	-1.54	55.54	0.000	0.02	51.97	0.000	NonUniform
23	MC	10151	8906	0.13	14.20	0.000	-1.77	64.24	0.000	0.03	76.81	0.000	NonUniform
24	MC	10151	8906	0.04	0.63	0.427	-0.86	11.34	0.001	0.02	12.77	0.000	NonUniform
25	MC	10151	8906	0.05	1.55	0.213	-1.68	46.94	0.000	0.03	51.43	0.000	NonUniform
26	MC	10753	8766	0.30	34.80	0.000	-0.62	5.58	0.018	0.02	12.78	0.000	NonUniform
27	MC	10151	8906	0.05	2.21	0.137	-4.30	327.33	0.000	0.07	348.78	0.000	NonUniform
28	MC	10151	8906	-0.10	7.52	0.006	-3.18	208.20	0.000	0.05	203.57	0.000	NonUniform
29	MC	10151	8906	0.04	1.08	0.299	-2.48	135.50	0.000	0.04	145.12	0.000	NonUniform
30	MC	10151	8906	0.13	11.74	0.001	-2.11	84.39	0.000	0.04	97.98	0.000	NonUniform
31	MC	20904	17672	0.38	210.55	0.000	-0.80	25.42	0.000	0.02	56.55	0.000	NonUniform
32	MC	20904	17672	0.10	3.68	0.055	-0.41	2.98	0.084	0.01	4.70	0.030	
33	MC	20904	17672	-0.15	37.25	0.000	-2.18	252.53	0.000	0.03	228.57	0.000	NonUniform
34	MC	20904	17672	-0.01	0.08	0.778	0.04	0.09	0.769	0.00	0.12	0.726	
35	MC	10151	8906	0.06	2.10	0.148	-1.40	36.74	0.000	0.02	41.21	0.000	NonUniform
36	MC	10151	8906	0.04	0.80	0.370	-1.31	33.42	0.000	0.02	36.46	0.000	NonUniform
37	MC	10151	8906	-0.10	5.20	0.023	-3.26	166.03	0.000	0.05	164.09	0.000	NonUniform
38	MC	10151	8906	-0.06	2.78	0.096	-2.87	160.56	0.000	0.04	159.84	0.000	NonUniform
39	MC	10151	8906	-0.07	4.25	0.039	-4.95	468.74	0.000	0.08	478.30	0.000	NonUniform
40	MC	10151	8906	-0.07	3.71	0.054	-1.65	64.70	0.000	0.02	61.75	0.000	NonUniform
41	MC	10151	8906	0.00	0.00	0.950	-0.34	3.00	0.083	0.01	3.06	0.080	
42	SA1	10753	8766	0.35	90.94	0.000	0.47	4.10	0.043	0.00	0.27	0.601	Uniform>
43	SA1	10151	8906	0.00	0.01	0.911	0.02	0.01	0.913	0.00	0.01	0.928	
44	SA1	10753	8766	0.08	2.81	0.094	1.73	43.51	0.000	-0.03	41.06	0.000	NonUniform
45	SA1	10753	8766	-0.07	3.31	0.069	-0.57	7.79	0.005	0.01	6.32	0.012	
46	SA1	10151	8906	0.18	18.30	0.000	0.80	11.57	0.001	-0.01	7.11	0.008	NonUniform
47	SA1	10151	8906	0.16	13.42	0.000	-0.09	0.15	0.701	0.00	1.15	0.284	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.172: 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
1	MC	4	38572	0.15	0.02	0.885	-94.18	0.01	0.924	1.75	0.01	0.924	
2	MC	1	19518	-8.70	0.01	0.931	-8.70	0.01	0.931	0.00			
3	MC	1	19518	-8.94	0.01	0.932	-8.94	0.01	0.932	0.00			
4	MC	1	19518	10.44	0.01	0.928	10.44	0.01	0.928	0.00			
5	MC	1	19518	9.84	0.01	0.921	9.84	0.01	0.921	0.00			
6	MC	3	19054	9.18	0.00	0.946	13.05	0.00	0.988	-0.07	0.00	0.996	
7	MC	1	19518	8.67	0.00	0.952	8.67	0.00	0.952	0.00			
8	MC	3	19054	-1.48	1.34	0.247	-72.99	0.00	0.948	1.15	0.00	0.950	
9	MC	3	19054	-0.08	0.00	0.947	-70.28	0.00	0.944	1.13	0.00	0.946	
10	MC	1	19518	9.43	0.01	0.929	9.43	0.01	0.929	0.00			
11	MC	1	19518	9.24	0.01	0.934	9.24	0.01	0.934	0.00			
12	MC	1	19518	-8.12	0.00	0.950	-8.12	0.00	0.950	0.00			
13	MC	1	19518	9.91	0.01	0.921	9.91	0.01	0.921	0.00			
14	MC	1	19518	-8.28	0.01	0.936	-8.28	0.01	0.936	0.00			
15	MC	1	19518	10.44	0.01	0.923	10.44	0.01	0.923	0.00			
16	MC	1	19518	9.80	0.01	0.922	9.80	0.01	0.922	0.00			
17	MC	1	19518	9.26	0.01	0.934	9.26	0.01	0.934	0.00			
18	MC	1	19518	8.92	0.01	0.942	8.92	0.01	0.942	0.00			
19	MC	1	19518	9.51	0.01	0.927	9.51	0.01	0.927	0.00			
20	MC	3	19054	-1.05	0.62	0.430	0.85	0.01	0.921	-0.03	0.05	0.820	
21	MC	1	19518	8.88	0.01	0.939	8.88	0.01	0.939	0.00			
22	MC	1	19518	-8.48	0.01	0.933	-8.48	0.01	0.933	0.00			
23	MC	3	19054	-11.24	0.01	0.940	-5.32	0.00	0.993	-0.08	0.00	0.993	
24	MC	3	19054	-0.54	0.17	0.681	-205.57	0.01	0.931	3.98	0.01	0.931	
25	MC	3	19054	10.88	0.00	0.946	15.45	0.00	0.981	-0.10	0.00	0.993	
26	MC	1	19518	8.56	0.00	0.955	8.56	0.00	0.955	0.00			
27	MC	3	19054	-0.39	0.08	0.771	8.97	1.09	0.296	-0.16	1.10	0.295	
28	MC	3	19054	-0.30	0.05	0.816	8.00	0.87	0.351	-0.14	0.87	0.350	
29	MC	3	19054	-0.04	0.00	0.972	-70.40	0.00	0.944	1.13	0.00	0.946	
30	MC	3	19054	-0.98	0.54	0.463	-69.08	0.00	0.945	1.09	0.00	0.947	
31	MC	4	38572	1.12	0.88	0.350	-202.74	0.01	0.917	3.95	0.01	0.916	
32	MC	4	38572	-1.26	1.10	0.293	-223.79	0.01	0.942	4.31	0.01	0.942	
33	MC	4	38572	-0.51	0.20	0.659	209.69	0.01	0.914	-4.06	0.01	0.913	
34	MC	4	38572	10.19	0.02	0.901	13.06	0.00	0.981	-0.05	0.00	0.996	
35	MC	3	19054	-11.64	0.01	0.915	-6.45	0.00	0.993	-0.09	0.00	0.994	
36	MC	3	19054	0.13	0.01	0.922	0.40	0.00	0.963	0.00	0.00	0.974	
37	MC	3	19054	0.83	0.46	0.500	6.99	0.66	0.415	-0.11	0.49	0.484	
38	MC	3	19054	0.00	0.00	0.998	-69.64	0.00	0.945	1.12	0.00	0.946	
39	MC	3	19054	0.11	0.01	0.933	7.40	0.74	0.389	-0.13	0.68	0.410	
40	MC	3	19054	1.56	1.58	0.209	-1.04	0.01	0.903	0.05	0.09	0.763	
41	MC	3	19054	-9.67	0.01	0.922	-7.87	0.00	0.990	-0.03	0.00	0.998	
42	SA1	1	19518	9.55	0.01	0.927	9.55	0.01	0.927	0.00			
43	SA1	3	19054	1.58	1.65	0.199	70.85	0.01	0.916	-1.12	0.01	0.919	
44	SA1	1	19518	8.68	0.00	0.951	8.68	0.00	0.951	0.00			
45	SA1	1	19518	10.61	0.01	0.928	10.61	0.01	0.928	0.00			
46	SA1	3	19054	-0.24	0.03	0.857	-223.16	0.00	0.951	4.32	0.00	0.951	
47	SA1	3	19054	10.54	0.00	0.953	14.79	0.00	0.983	-0.09	0.00	0.994	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.173: 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
48	MC	3794	5110	-0.13	6.99	0.008	0.28	1.17	0.279	-0.01	2.59	0.108	Uniform<
49	MC	3686	5073	0.24	28.53	0.000	-0.15	0.50	0.477	0.01	3.53	0.060	Uniform>
50	MC	3686	5073	0.27	16.39	0.000	0.60	5.45	0.020	-0.01	1.74	0.188	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	-0.06	1.68	0.195	-0.38	2.42	0.120	0.01	1.78	0.182	
53	MC	3794	5110	0.07	2.04	0.153	-0.18	0.48	0.489	0.00	0.94	0.332	
54	MC	3686	5073	0.04	0.66	0.416	0.01	0.00	0.963	0.00	0.01	0.914	
55	MC	3686	5073	0.24	24.49	0.000	-0.17	0.44	0.506	0.01	2.70	0.100	Uniform>
56	MC	7480	10183	0.21	42.21	0.000	-0.21	1.68	0.196	0.01	7.02	0.008	NonUniform
57	MC	3794	5110	0.07	1.82	0.178	-0.68	5.98	0.014	0.01	7.43	0.006	NonUniform
58	MC	3794	5110	0.06	1.70	0.192	-0.44	3.51	0.061	0.01	4.74	0.030	
59	MC	3794	5110	0.03	0.19	0.667	-0.20	0.51	0.473	0.00	0.68	0.409	
60	MC	3794	5110	0.09	2.68	0.102	0.10	0.15	0.699	0.00	0.00	0.984	
61	MC	3794	5110	0.05	1.11	0.293	-0.27	1.30	0.253	0.01	1.89	0.169	
62	MC	3686	5073	0.03	0.31	0.577	0.39	2.04	0.153	-0.01	1.81	0.178	
63	MC	7480	10183	0.30	92.40	0.000	0.09	0.34	0.558	0.00	2.13	0.144	Uniform>
64	MC	3794	5110	0.12	6.54	0.011	-0.16	0.46	0.497	0.00	1.47	0.226	
65	MC	3686	5073	-0.13	7.39	0.007	-0.09	0.15	0.696	0.00	0.02	0.887	Uniform<
66	MC	7480	10183	-0.02	0.25	0.619	-0.04	0.04	0.845	0.00	0.01	0.920	
67	MC	7480	10183	0.00	0.01	0.917	-0.16	1.03	0.310	0.00	1.03	0.310	
68	MC	3686	5073	0.01	0.06	0.810	0.19	0.54	0.463	0.00	0.49	0.483	
69	MC	3794	5110	-0.13	5.87	0.015	0.29	1.63	0.202	-0.01	3.54	0.060	
70	MC	3686	5073	0.30	41.59	0.000	0.40	2.75	0.098	0.00	0.17	0.682	Uniform>
71	MC	3794	5110	0.09	4.32	0.038	-0.05	0.06	0.812	0.00	0.45	0.501	
72	MC	3794	5110	0.09	3.64	0.056	0.33	1.98	0.159	0.00	1.08	0.299	
73	MC	3686	5073	0.31	25.32	0.000	0.38	1.60	0.205	0.00	0.05	0.815	Uniform>
74	MC	3794	5110	0.07	1.92	0.166	0.35	2.11	0.147	-0.01	1.40	0.236	
75	MC	3686	5073	0.08	3.45	0.063	0.42	4.12	0.042	-0.01	2.77	0.096	
76	ER	3686	5073	0.59	160.75	0.000	0.56	8.84	0.003	0.00	0.02	0.902	Uniform>
77	ER	3686	5073	0.31	51.68	0.000	0.28	2.30	0.129	0.00	0.03	0.874	Uniform>
78	ER	3794	5110	0.41	82.62	0.000	0.30	2.70	0.100	0.00	0.35	0.555	Uniform>
79	ER	3794	5110	0.30	46.13	0.000	0.18	0.97	0.324	0.00	0.44	0.508	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.174: 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
48	MC	7522	1384	-0.09	1.73	0.189	-0.58	3.18	0.075	0.01	2.37	0.123	
49	MC	7659	1107	0.02	0.07	0.787	0.01	0.00	0.984	0.00	0.00	0.965	
50	MC	7659	1107	-0.07	0.42	0.517	0.55	2.25	0.133	-0.01	3.03	0.082	
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	-0.16	5.74	0.017	0.00	0.00	0.995	0.00	0.27	0.605	
53	MC	7522	1384	-0.07	0.93	0.334	-0.43	1.64	0.201	0.01	1.22	0.268	
54	MC	7659	1107	-0.34	19.61	0.000	-0.68	3.69	0.055	0.01	0.96	0.328	Uniform<
55	MC	7659	1107	-0.30	16.32	0.000	-0.04	0.02	0.902	0.00	0.55	0.459	Uniform<
56	MC	15181	2491	-0.09	4.18	0.041	-0.22	1.15	0.284	0.00	0.41	0.524	
57	MC	7522	1384	-0.08	1.31	0.252	0.19	0.26	0.610	0.00	0.53	0.465	
58	MC	7522	1384	0.08	1.70	0.193	-0.83	8.52	0.004	0.02	10.79	0.001	NonUniform
59	MC	7522	1384	-0.48	31.00	0.000	-1.33	15.94	0.000	0.02	6.96	0.008	NonUniform
60	MC	7522	1384	-0.04	0.26	0.611	-0.77	6.83	0.009	0.01	6.61	0.010	
61	MC	7522	1384	0.04	0.37	0.543	-0.32	1.12	0.289	0.01	1.48	0.224	
62	MC	7659	1107	-0.26	10.07	0.002	-1.55	20.69	0.000	0.02	15.21	0.000	NonUniform
63	MC	15181	2491	-0.16	12.88	0.000	0.23	1.25	0.263	-0.01	3.88	0.049	Uniform<
64	MC	7522	1384	-0.30	23.39	0.000	0.15	0.26	0.613	-0.01	2.44	0.118	Uniform<
65	MC	7659	1107	-0.10	2.05	0.152	0.17	0.25	0.614	0.00	0.67	0.412	
66	MC	15181	2491	-0.13	6.61	0.010	-0.76	11.17	0.001	0.01	8.05	0.005	NonUniform
67	MC	15181	2491	-0.33	50.31	0.000	-0.10	0.22	0.638	0.00	1.32	0.251	Uniform<
68	MC	7659	1107	0.20	7.99	0.005	0.07	0.04	0.844	0.00	0.13	0.718	Uniform>
69	MC	7522	1384	-0.07	1.14	0.286	-0.34	1.53	0.216	0.00	0.99	0.320	
70	MC	7659	1107	-0.19	6.96	0.008	-0.58	3.17	0.075	0.01	1.52	0.218	Uniform<
71	MC	7522	1384	-0.09	1.93	0.165	-0.21	0.56	0.455	0.00	0.20	0.651	
72	MC	7522	1384	0.20	9.21	0.002	-1.23	19.70	0.000	0.03	27.95	0.000	NonUniform
73	MC	7659	1107	0.16	2.96	0.086	-0.42	1.09	0.296	0.01	2.17	0.141	
74	MC	7522	1384	0.13	3.57	0.059	-0.65	4.98	0.026	0.02	7.60	0.006	NonUniform
75	MC	7659	1107	-0.23	10.94	0.001	0.36	1.55	0.213	-0.01	4.34	0.037	Uniform<
76	ER	7659	1107	-0.02	0.10	0.756	0.08	0.11	0.741	0.00	0.18	0.667	
77	ER	7659	1107	0.04	0.47	0.494	0.35	1.82	0.177	-0.01	1.48	0.223	
78	ER	7522	1384	-0.18	8.65	0.003	0.21	0.83	0.362	-0.01	3.01	0.083	Uniform<
79	ER	7522	1384	0.16	6.88	0.009	0.00	0.00	0.995	0.00	0.49	0.482	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.175: 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
48	MC	1009	7897	0.13	3.10	0.078	-0.61	1.89	0.169	0.01	2.88	0.090	
49	MC	684	8082	0.10	1.36	0.243	-0.25	0.32	0.571	0.01	0.64	0.422	
50	MC	684	8082	0.10	0.68	0.410	0.01	0.00	0.982	0.00	0.03	0.868	
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	0.10	1.45	0.228	0.27	0.35	0.554	0.00	0.14	0.705	
53	MC	1009	7897	-0.08	1.05	0.306	-0.70	2.38	0.123	0.01	1.95	0.163	
54	MC	684	8082	-0.02	0.04	0.844	-0.45	0.74	0.391	0.01	0.70	0.402	
55	MC	684	8082	0.04	0.20	0.652	-0.95	3.26	0.071	0.02	3.64	0.056	
56	MC	1693	15979	-0.01	0.07	0.788	-0.28	0.88	0.349	0.00	0.82	0.366	
57	MC	1009	7897	-0.08	1.25	0.263	-1.20	5.97	0.015	0.02	5.33	0.021	
58	MC	1009	7897	-0.11	2.40	0.122	-0.30	0.59	0.444	0.00	0.25	0.620	
59	MC	1009	7897	0.28	9.06	0.003	-0.15	0.10	0.756	0.01	0.81	0.369	Uniform>
60	MC	1009	7897	-0.09	1.18	0.277	-0.28	0.43	0.514	0.00	0.20	0.655	
61	MC	1009	7897	0.07	0.84	0.359	-0.30	0.54	0.463	0.01	0.83	0.362	
62	MC	684	8082	-0.07	0.56	0.455	-0.17	0.10	0.748	0.00	0.04	0.847	
63	MC	1693	15979	0.12	5.56	0.018	-0.71	5.99	0.014	0.01	8.59	0.003	NonUniform
64	MC	1009	7897	-0.10	2.03	0.155	-0.64	2.56	0.110	0.01	1.88	0.170	
65	MC	684	8082	0.03	0.13	0.724	0.21	0.21	0.650	0.00	0.16	0.693	
66	MC	1693	15979	0.00	0.01	0.939	-0.09	0.07	0.787	0.00	0.07	0.795	
67	MC	1693	15979	0.10	3.40	0.065	-0.71	5.60	0.018	0.01	7.52	0.006	NonUniform
68	MC	684	8082	-0.11	1.71	0.190	0.37	0.58	0.448	-0.01	1.01	0.315	
69	MC	1009	7897	-0.10	1.53	0.216	-0.79	3.47	0.063	0.01	2.77	0.096	
70	MC	684	8082	0.07	0.63	0.427	-0.54	1.18	0.277	0.01	1.55	0.213	
71	MC	1009	7897	-0.05	0.52	0.470	-0.46	1.39	0.239	0.01	1.14	0.287	
72	MC	1009	7897	-0.32	18.76	0.000	0.34	0.77	0.381	-0.01	2.99	0.084	Uniform<
73	MC	684	8082	0.04	0.13	0.717	-1.31	3.90	0.048	0.03	4.22	0.040	
74	MC	1009	7897	-0.16	4.32	0.038	-0.29	0.49	0.483	0.00	0.10	0.752	
75	MC	684	8082	0.22	6.90	0.009	0.49	1.36	0.243	0.00	0.43	0.514	Uniform>
76	ER	684	8082	0.11	1.87	0.172	1.21	9.57	0.002	-0.02	8.19	0.004	NonUniform
77	ER	684	8082	0.09	1.23	0.267	0.94	6.01	0.014	-0.02	5.09	0.024	
78	ER	1009	7897	0.26	14.21	0.000	0.79	5.92	0.015	-0.01	2.72	0.099	Uniform>
79	ER	1009	7897	0.05	0.55	0.456	1.38	18.58	0.000	-0.02	18.03	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.176: 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
48	MC	1463	7443	-0.05	0.58	0.445	0.18	0.28	0.596	0.00	0.47	0.492	
49	MC	1377	7389	0.03	0.19	0.666	-0.28	0.97	0.325	0.01	1.22	0.269	
50	MC	1377	7389	-0.45	34.51	0.000	-2.05	31.40	0.000	0.03	19.71	0.000	NonUniform
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	0.00	0.00	0.959	0.28	0.78	0.379	-0.01	0.83	0.362	
53	MC	1463	7443	-0.17	6.96	0.008	0.36	1.11	0.292	-0.01	2.51	0.113	Uniform<
54	MC	1377	7389	-0.06	0.86	0.353	-0.19	0.29	0.588	0.00	0.14	0.711	
55	MC	1377	7389	-0.06	0.99	0.321	-0.25	0.57	0.449	0.00	0.33	0.567	
56	MC	2840	14832	-0.07	2.17	0.141	-0.06	0.07	0.790	0.00	0.00	0.968	
57	MC	1463	7443	-0.36	24.69	0.000	-0.26	0.45	0.502	0.00	0.07	0.797	Uniform<
58	MC	1463	7443	-0.05	0.64	0.423	0.43	1.99	0.158	-0.01	2.60	0.107	
59	MC	1463	7443	-0.16	5.19	0.023	-0.59	2.60	0.107	0.01	1.43	0.231	
60	MC	1463	7443	-0.32	22.37	0.000	-0.92	7.70	0.006	0.01	3.46	0.063	Uniform<
61	MC	1463	7443	-0.22	11.99	0.001	0.12	0.15	0.703	-0.01	1.20	0.273	Uniform<
62	MC	1377	7389	-0.36	29.26	0.000	-1.15	9.60	0.002	0.02	4.64	0.031	Uniform<
63	MC	2840	14832	-0.10	4.95	0.026	-0.43	4.22	0.040	0.01	2.64	0.104	
64	MC	1463	7443	-0.10	2.52	0.112	0.03	0.01	0.916	0.00	0.19	0.662	
65	MC	1377	7389	-0.03	0.15	0.698	0.89	8.77	0.003	-0.02	9.66	0.002	NonUniform
66	MC	2840	14832	-0.19	16.52	0.000	-0.34	2.05	0.152	0.00	0.44	0.508	Uniform<
67	MC	2840	14832	-0.05	1.25	0.264	-0.15	0.49	0.486	0.00	0.23	0.635	
68	MC	1377	7389	-0.06	0.80	0.370	0.30	0.81	0.369	-0.01	1.21	0.272	
69	MC	1463	7443	0.07	1.06	0.302	0.23	0.57	0.449	0.00	0.28	0.595	
70	MC	1377	7389	0.01	0.01	0.923	-1.10	10.19	0.001	0.02	10.71	0.001	NonUniform
71	MC	1463	7443	0.00	0.01	0.943	-0.11	0.14	0.710	0.00	0.13	0.715	
72	MC	1463	7443	-0.14	5.16	0.023	-0.11	0.13	0.714	0.00	0.01	0.927	
73	MC	1377	7389	-0.26	13.01	0.000	-0.94	5.56	0.018	0.01	2.97	0.085	Uniform<
74	MC	1463	7443	-0.14	4.49	0.034	-0.56	2.93	0.087	0.01	1.73	0.188	
75	MC	1377	7389	0.02	0.13	0.721	0.39	2.07	0.150	-0.01	1.94	0.163	
76	ER	1377	7389	-0.32	26.82	0.000	-0.40	2.41	0.121	0.00	0.11	0.742	Uniform<
77	ER	1377	7389	-0.22	14.34	0.000	-0.21	0.69	0.406	0.00	0.00	0.952	Uniform<
78	ER	1463	7443	-0.24	15.68	0.000	-0.02	0.01	0.937	0.00	0.76	0.385	Uniform<
79	ER	1463	7443	-0.18	9.71	0.002	-0.07	0.08	0.783	0.00	0.22	0.640	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.177: 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
48	MC	5788	1165	-0.09	1.64	0.200	-0.27	0.45	0.503	0.00	0.20	0.652	
49	MC	5837	1131	0.01	0.03	0.854	0.36	1.02	0.313	-0.01	0.98	0.321	
50	MC	5837	1131	0.18	3.40	0.065	1.30	7.97	0.005	-0.02	6.16	0.013	
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	0.04	0.33	0.568	0.09	0.06	0.804	0.00	0.02	0.884	
53	MC	5788	1165	0.02	0.09	0.762	0.60	1.85	0.174	-0.01	1.77	0.184	
54	MC	5837	1131	0.09	1.62	0.203	-0.18	0.20	0.656	0.00	0.46	0.496	
55	MC	5837	1131	-0.05	0.51	0.474	1.13	6.87	0.009	-0.02	7.73	0.005	NonUniform
56	MC	11625	2296	0.04	0.88	0.348	0.68	6.41	0.011	-0.01	5.80	0.016	
57	MC	5788	1165	0.21	8.23	0.004	1.66	11.07	0.001	-0.02	8.68	0.003	NonUniform
58	MC	5788	1165	0.04	0.39	0.534	-0.06	0.03	0.874	0.00	0.08	0.782	
59	MC	5788	1165	-0.11	1.55	0.213	0.38	0.62	0.432	-0.01	1.06	0.303	
60	MC	5788	1165	0.11	1.67	0.196	0.01	0.00	0.986	0.00	0.06	0.808	
61	MC	5788	1165	0.03	0.15	0.695	0.74	3.31	0.069	-0.01	3.17	0.075	
62	MC	5837	1131	0.10	1.53	0.217	0.12	0.07	0.785	0.00	0.00	0.953	
63	MC	11625	2296	0.02	0.16	0.692	0.51	4.05	0.044	-0.01	3.91	0.048	
64	MC	5788	1165	0.04	0.44	0.507	0.73	3.55	0.059	-0.01	3.24	0.072	
65	MC	5837	1131	-0.12	3.16	0.075	-0.03	0.01	0.936	0.00	0.06	0.801	
66	MC	11625	2296	0.13	6.31	0.012	0.19	0.41	0.524	0.00	0.04	0.844	
67	MC	11625	2296	-0.03	0.39	0.532	0.58	4.88	0.027	-0.01	5.59	0.018	
68	MC	5837	1131	0.15	4.59	0.032	0.64	2.32	0.128	-0.01	1.40	0.237	
69	MC	5788	1165	0.05	0.44	0.507	0.00	0.00	0.992	0.00	0.02	0.882	
70	MC	5837	1131	0.08	1.40	0.237	0.55	1.80	0.179	-0.01	1.34	0.247	
71	MC	5788	1165	0.11	2.56	0.109	0.35	0.87	0.351	0.00	0.43	0.511	
72	MC	5788	1165	0.32	19.83	0.000	-0.41	1.17	0.280	0.01	3.79	0.051	Uniform>
73	MC	5837	1131	0.03	0.08	0.780	0.34	0.46	0.495	-0.01	0.41	0.521	
74	MC	5788	1165	0.08	1.03	0.310	0.33	0.67	0.413	0.00	0.41	0.522	
75	MC	5837	1131	-0.16	5.44	0.020	0.66	3.64	0.057	-0.01	5.80	0.016	
76	ER	5837	1131	0.03	0.21	0.644	0.32	1.06	0.302	-0.01	0.91	0.340	
77	ER	5837	1131	0.04	0.37	0.542	0.34	1.25	0.264	-0.01	1.01	0.315	
78	ER	5788	1165	0.01	0.01	0.926	-0.20	0.42	0.519	0.00	0.46	0.497	
79	ER	5788	1165	0.15	5.33	0.021	0.22	0.52	0.470	0.00	0.05	0.815	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.178: 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
48	MC	5788	1165	-0.09	1.64	0.200	-0.27	0.45	0.503	0.00	0.20	0.652	
49	MC	5837	1131	0.01	0.03	0.854	0.36	1.02	0.313	-0.01	0.98	0.321	
50	MC	5837	1131	0.18	3.40	0.065	1.30	7.97	0.005	-0.02	6.16	0.013	
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	0.04	0.33	0.568	0.09	0.06	0.804	0.00	0.02	0.884	
53	MC	5788	1165	0.02	0.09	0.762	0.60	1.85	0.174	-0.01	1.77	0.184	
54	MC	5837	1131	0.09	1.62	0.203	-0.18	0.20	0.656	0.00	0.46	0.496	
55	MC	5837	1131	-0.05	0.51	0.474	1.13	6.87	0.009	-0.02	7.73	0.005	NonUniform
56	MC	11625	2296	0.04	0.88	0.348	0.68	6.41	0.011	-0.01	5.80	0.016	
57	MC	5788	1165	0.21	8.23	0.004	1.66	11.07	0.001	-0.02	8.68	0.003	NonUniform
58	MC	5788	1165	0.04	0.39	0.534	-0.06	0.03	0.874	0.00	0.08	0.782	
59	MC	5788	1165	-0.11	1.55	0.213	0.38	0.62	0.432	-0.01	1.06	0.303	
60	MC	5788	1165	0.11	1.67	0.196	0.01	0.00	0.986	0.00	0.06	0.808	
61	MC	5788	1165	0.03	0.15	0.695	0.74	3.31	0.069	-0.01	3.17	0.075	
62	MC	5837	1131	0.10	1.53	0.217	0.12	0.07	0.785	0.00	0.00	0.953	
63	MC	11625	2296	0.02	0.16	0.692	0.51	4.05	0.044	-0.01	3.91	0.048	
64	MC	5788	1165	0.04	0.44	0.507	0.73	3.55	0.059	-0.01	3.24	0.072	
65	MC	5837	1131	-0.12	3.16	0.075	-0.03	0.01	0.936	0.00	0.06	0.801	
66	MC	11625	2296	0.13	6.31	0.012	0.19	0.41	0.524	0.00	0.04	0.844	
67	MC	11625	2296	-0.03	0.39	0.532	0.58	4.88	0.027	-0.01	5.59	0.018	
68	MC	5837	1131	0.15	4.59	0.032	0.64	2.32	0.128	-0.01	1.40	0.237	
69	MC	5788	1165	0.05	0.44	0.507	0.00	0.00	0.992	0.00	0.02	0.882	
70	MC	5837	1131	0.08	1.40	0.237	0.55	1.80	0.179	-0.01	1.34	0.247	
71	MC	5788	1165	0.11	2.56	0.109	0.35	0.87	0.351	0.00	0.43	0.511	
72	MC	5788	1165	0.32	19.83	0.000	-0.41	1.17	0.280	0.01	3.79	0.051	Uniform>
73	MC	5837	1131	0.03	0.08	0.780	0.34	0.46	0.495	-0.01	0.41	0.521	
74	MC	5788	1165	0.08	1.03	0.310	0.33	0.67	0.413	0.00	0.41	0.522	
75	MC	5837	1131	-0.16	5.44	0.020	0.66	3.64	0.057	-0.01	5.80	0.016	
76	ER	5837	1131	0.03	0.21	0.644	0.32	1.06	0.302	-0.01	0.91	0.340	
77	ER	5837	1131	0.04	0.37	0.542	0.34	1.25	0.264	-0.01	1.01	0.315	
78	ER	5788	1165	0.01	0.01	0.926	-0.20	0.42	0.519	0.00	0.46	0.497	
79	ER	5788	1165	0.15	5.33	0.021	0.22	0.52	0.470	0.00	0.05	0.815	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.179: 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
48	MC	1953	1165	-0.01	0.02	0.899	0.48	1.18	0.278	-0.01	1.27	0.259	
49	MC	1798	1131	0.03	0.15	0.695	0.69	3.24	0.072	-0.01	3.10	0.078	
50	MC	1798	1131	0.28	5.85	0.016	1.64	11.27	0.001	-0.03	8.15	0.004	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	0.09	1.10	0.293	-0.04	0.01	0.933	0.00	0.09	0.770	
53	MC	1953	1165	0.01	0.03	0.870	1.17	6.05	0.014	-0.02	6.10	0.014	
54	MC	1798	1131	0.34	15.37	0.000	0.69	2.35	0.125	-0.01	0.63	0.426	Uniform>
55	MC	1798	1131	0.13	2.42	0.120	1.57	11.40	0.001	-0.03	9.89	0.002	NonUniform
56	MC	3751	2296	0.16	8.49	0.004	0.91	9.74	0.002	-0.01	6.81	0.009	NonUniform
57	MC	1953	1165	0.36	17.93	0.000	2.55	23.61	0.000	-0.04	18.10	0.000	NonUniform
58	MC	1953	1165	0.06	0.59	0.442	0.67	2.79	0.095	-0.01	2.41	0.121	
59	MC	1953	1165	0.13	1.50	0.221	1.64	10.58	0.001	-0.03	9.37	0.002	NonUniform
60	MC	1953	1165	0.17	3.07	0.080	0.90	4.31	0.038	-0.01	3.00	0.083	
61	MC	1953	1165	0.07	0.70	0.402	1.33	9.45	0.002	-0.02	8.83	0.003	NonUniform
62	MC	1798	1131	0.30	11.23	0.001	1.67	12.40	0.000	-0.03	8.61	0.003	NonUniform
63	MC	3751	2296	0.12	4.45	0.035	0.67	5.97	0.015	-0.01	4.25	0.039	
64	MC	1953	1165	0.30	14.36	0.000	0.94	5.10	0.024	-0.01	2.45	0.118	Uniform>
65	MC	1798	1131	0.01	0.03	0.855	-0.05	0.02	0.899	0.00	0.03	0.868	
66	MC	3751	2296	0.30	25.02	0.000	1.00	10.13	0.001	-0.01	5.11	0.024	Uniform>
67	MC	3751	2296	0.22	14.73	0.000	0.66	5.48	0.019	-0.01	2.59	0.107	Uniform>
68	MC	1798	1131	0.11	1.63	0.201	1.15	6.17	0.013	-0.02	5.26	0.022	
69	MC	1953	1165	0.12	1.78	0.182	0.13	0.10	0.748	0.00	0.00	0.978	
70	MC	1798	1131	0.20	6.22	0.013	1.54	12.57	0.000	-0.02	9.85	0.002	NonUniform
71	MC	1953	1165	0.25	10.62	0.001	1.22	9.34	0.002	-0.02	6.11	0.013	Uniform>
72	MC	1953	1165	0.07	0.76	0.383	0.93	5.37	0.021	-0.02	4.78	0.029	
73	MC	1798	1131	-0.03	0.07	0.797	1.38	6.53	0.011	-0.03	7.03	0.008	NonUniform
74	MC	1953	1165	-0.10	1.35	0.244	0.61	1.99	0.158	-0.01	2.82	0.093	
75	MC	1798	1131	-0.06	0.56	0.455	0.21	0.32	0.572	0.00	0.55	0.459	
76	ER	1798	1131	-0.01	0.03	0.858	-0.14	0.17	0.677	0.00	0.15	0.700	
77	ER	1798	1131	-0.09	1.37	0.243	-0.16	0.23	0.629	0.00	0.05	0.824	
78	ER	1953	1165	0.02	0.07	0.786	-0.91	7.41	0.006	0.02	8.19	0.004	NonUniform
79	ER	1953	1165	0.01	0.01	0.929	-0.50	2.24	0.135	0.01	2.42	0.120	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.180: 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
48	MC	146	1165	0.69	10.53	0.001	-0.63	0.25	0.619	0.02	1.13	0.288	Uniform>
49	MC	64	1131	-0.46	2.67	0.102	1.62	1.49	0.222	-0.04	2.49	0.114	
50	MC	64	1131	0.28	0.41	0.521	1.62	0.89	0.346	-0.03	0.67	0.413	
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	-0.19	0.48	0.489	0.29	0.04	0.845	-0.01	0.11	0.741	
53	MC	146	1165	-0.08	0.17	0.680	1.22	1.16	0.282	-0.02	1.35	0.245	
54	MC	64	1131	0.24	0.67	0.413	-1.76	0.81	0.368	0.04	1.07	0.300	
55	MC	64	1131	-0.28	0.93	0.336	-0.29	0.03	0.870	0.00	0.00	0.997	
56	MC	210	2296	0.16	1.11	0.292	1.00	1.50	0.221	-0.01	1.09	0.296	
57	MC	146	1165	0.34	2.85	0.092	1.20	0.85	0.356	-0.01	0.45	0.503	
58	MC	146	1165	-0.16	0.74	0.389	-0.46	0.17	0.677	0.01	0.08	0.782	
59	MC	146	1165	0.38	1.97	0.161	1.18	0.82	0.365	-0.02	0.40	0.529	
60	MC	146	1165	-0.21	0.94	0.332	-0.42	0.13	0.718	0.00	0.03	0.855	
61	MC	146	1165	-0.01	0.00	0.947	2.81	8.44	0.004	-0.05	8.78	0.003	NonUniform
62	MC	64	1131	-0.19	0.39	0.532	0.38	0.05	0.819	-0.01	0.12	0.728	
63	MC	210	2296	0.25	2.77	0.096	0.04	0.00	0.965	0.00	0.07	0.790	
64	MC	146	1165	0.45	5.86	0.016	0.34	0.10	0.754	0.00	0.01	0.912	
65	MC	64	1131	-0.41	2.10	0.147	-1.91	1.19	0.275	0.02	0.77	0.381	
66	MC	210	2296	0.28	2.85	0.091	1.05	1.42	0.233	-0.01	0.79	0.374	
67	MC	210	2296	0.41	6.83	0.009	-0.97	1.10	0.295	0.02	2.28	0.131	Uniform>
68	MC	64	1131	-0.32	1.24	0.266	-0.58	0.10	0.747	0.00	0.02	0.884	
69	MC	146	1165	0.17	0.69	0.407	-2.21	3.14	0.077	0.04	3.88	0.049	
70	MC	64	1131	0.25	0.78	0.376	-1.52	0.66	0.417	0.03	0.92	0.337	
71	MC	146	1165	0.07	0.16	0.691	0.83	0.66	0.415	-0.01	0.57	0.450	
72	MC	146	1165	-0.28	2.20	0.138	1.54	2.50	0.114	-0.03	3.59	0.058	
73	MC	64	1131	-0.73	4.73	0.030	-0.01	0.00	0.994	-0.01	0.15	0.698	
74	MC	146	1165	-0.33	2.72	0.099	-0.48	0.18	0.675	0.00	0.02	0.895	
75	MC	64	1131	0.22	0.59	0.443	1.30	1.00	0.316	-0.02	0.74	0.390	
76	ER	64	1131	-0.13	0.23	0.633	0.46	0.14	0.707	-0.01	0.24	0.622	
77	ER	64	1131	-0.07	0.08	0.783	-1.15	0.94	0.331	0.02	0.86	0.353	
78	ER	146	1165	0.73	15.25	0.000	0.68	0.61	0.436	0.00	0.00	0.960	Uniform>
79	ER	146	1165	0.43	5.71	0.017	2.30	6.84	0.009	-0.03	4.73	0.030	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.181: 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
48	MC	10151	8906	0.26	42.36	0.000	-0.50	4.48	0.034	0.01	10.64	0.001	NonUniform
49	MC	10753	8766	-0.10	8.29	0.004	-1.95	101.15	0.000	0.03	94.85	0.000	NonUniform
50	MC	10753	8766	0.07	1.28	0.258	-0.53	3.01	0.083	0.01	4.03	0.045	
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	-0.07	4.38	0.036	-1.66	64.72	0.000	0.03	61.28	0.000	NonUniform
53	MC	10151	8906	0.35	73.31	0.000	-1.31	27.00	0.000	0.03	44.53	0.000	NonUniform
54	MC	10753	8766	0.16	16.01	0.000	-0.40	3.00	0.083	0.01	5.98	0.014	Uniform>
55	MC	10753	8766	0.05	1.57	0.210	-1.99	72.34	0.000	0.03	78.35	0.000	NonUniform
56	MC	20904	17672	-0.07	8.17	0.004	-1.08	58.58	0.000	0.02	53.01	0.000	NonUniform
57	MC	10151	8906	0.08	4.94	0.026	-1.17	26.58	0.000	0.02	31.23	0.000	NonUniform
58	MC	10151	8906	0.15	16.24	0.000	-1.29	35.25	0.000	0.02	45.41	0.000	NonUniform
59	MC	10151	8906	0.41	47.27	0.000	-0.34	1.17	0.279	0.01	5.75	0.017	Uniform>
60	MC	10151	8906	0.17	10.92	0.001	-0.56	4.24	0.039	0.01	7.50	0.006	NonUniform
61	MC	10151	8906	0.08	4.77	0.029	-1.20	29.75	0.000	0.02	35.09	0.000	NonUniform
62	MC	10753	8766	0.20	21.08	0.000	-0.46	3.18	0.075	0.01	6.84	0.009	NonUniform
63	MC	20904	17672	-0.16	42.93	0.000	-1.82	169.50	0.000	0.03	146.34	0.000	NonUniform
64	MC	10151	8906	-0.10	8.66	0.003	-1.72	67.35	0.000	0.03	61.53	0.000	NonUniform
65	MC	10753	8766	0.12	13.00	0.000	-1.57	58.76	0.000	0.03	70.73	0.000	NonUniform
66	MC	20904	17672	0.23	63.24	0.000	-0.89	27.20	0.000	0.02	44.59	0.000	NonUniform
67	MC	20904	17672	0.29	130.88	0.000	-0.67	21.33	0.000	0.02	45.34	0.000	NonUniform
68	MC	10753	8766	0.09	6.31	0.012	-1.10	25.62	0.000	0.02	30.87	0.000	NonUniform
69	MC	10151	8906	-0.21	27.45	0.000	-1.36	36.17	0.000	0.02	26.72	0.000	NonUniform
70	MC	10753	8766	-0.03	0.79	0.375	-1.47	46.26	0.000	0.02	45.74	0.000	NonUniform
71	MC	10151	8906	-0.01	0.10	0.751	-1.99	90.53	0.000	0.03	92.81	0.000	NonUniform
72	MC	10151	8906	0.19	22.80	0.000	0.28	1.61	0.204	0.00	0.17	0.680	Uniform>
73	MC	10753	8766	0.16	7.72	0.005	-0.42	1.76	0.185	0.01	3.46	0.063	Uniform>
74	MC	10151	8906	0.14	9.88	0.002	-0.18	0.56	0.456	0.01	1.83	0.177	Uniform>
75	MC	10753	8766	0.18	25.52	0.000	-1.67	69.37	0.000	0.03	88.32	0.000	NonUniform
76	ER	10753	8766	0.11	10.18	0.001	-0.06	0.12	0.724	0.00	0.97	0.326	Uniform>
77	ER	10753	8766	0.06	3.05	0.081	-0.06	0.12	0.727	0.00	0.47	0.494	
78	ER	10151	8906	0.24	42.14	0.000	0.67	12.82	0.000	-0.01	5.57	0.018	Uniform>
79	ER	10151	8906	0.36	105.56	0.000	1.23	43.70	0.000	-0.01	22.73	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.182: 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
48	MC	3	19054	0.18	0.02	0.891	-219.04	0.00	0.948	4.25	0.00	0.948	
49	MC	1	19518	-8.70	0.01	0.931	-8.70	0.01	0.931	0.00			
50	MC	1	19518	8.41	0.00	0.963	8.41	0.00	0.963	0.00			
51	MC	1	19518	8.90	0.01	0.942	8.90	0.01	0.942	0.00			
52	MC	1	19518	-8.58	0.01	0.931	-8.58	0.01	0.931	0.00			
53	MC	3	19054	-1.54	1.21	0.272	-70.03	0.00	0.950	1.10	0.00	0.952	
54	MC	1	19518	9.17	0.01	0.935	9.17	0.01	0.935	0.00			
55	MC	1	19518	9.26	0.01	0.932	9.26	0.01	0.932	0.00			
56	MC	4	38572	0.14	0.02	0.895	-2.04	0.07	0.795	0.04	0.08	0.781	
57	MC	3	19054	-0.29	0.05	0.825	-68.34	0.00	0.944	1.09	0.00	0.946	
58	MC	3	19054	11.04	0.00	0.944	14.43	0.00	0.981	-0.08	0.00	0.994	
59	MC	3	19054	-1.12	0.70	0.404	-230.00	0.00	0.958	4.44	0.00	0.958	
60	MC	3	19054	10.25	0.00	0.959	14.51	0.00	0.986	-0.09	0.00	0.995	
61	MC	3	19054	-11.97	0.01	0.940	-6.07	0.00	0.992	-0.08	0.00	0.994	
62	MC	1	19518	8.95	0.01	0.942	8.95	0.01	0.942	0.00			
63	MC	4	38572	10.37	0.02	0.898	13.19	0.00	0.981	-0.05	0.00	0.996	
64	MC	3	19054	11.33	0.01	0.940	14.06	0.00	0.980	-0.07	0.00	0.995	
65	MC	1	19518	-8.61	0.01	0.931	-8.61	0.01	0.931	0.00			
66	MC	4	38572	0.48	0.16	0.688	-207.17	0.01	0.923	4.02	0.01	0.922	
67	MC	4	38572	-0.22	0.05	0.829	-94.96	0.01	0.927	1.76	0.01	0.927	
68	MC	1	19518	9.57	0.01	0.925	9.57	0.01	0.925	0.00			
69	MC	3	19054	0.65	0.28	0.598	-69.93	0.01	0.937	1.14	0.01	0.940	
70	MC	1	19518	9.41	0.01	0.927	9.41	0.01	0.927	0.00			
71	MC	3	19054	11.26	0.01	0.941	14.01	0.00	0.981	-0.07	0.00	0.995	
72	MC	3	19054	-0.03	0.00	0.982	-221.44	0.00	0.949	4.29	0.00	0.949	
73	MC	1	19518	8.59	0.00	0.955	8.59	0.00	0.955	0.00			
74	MC	3	19054	-0.42	0.11	0.746	0.00	0.00	1.000	-0.01	0.00	0.960	
75	MC	1	19518	9.08	0.01	0.933	9.08	0.01	0.933	0.00			
76	ER	1	19518	1.17	0.26	0.613	1.17	0.26	0.613	0.00			
77	ER	1	19518	0.89	0.18	0.671	0.89	0.18	0.671	0.00			
78	ER	3	19054	-0.87	0.56	0.454	0.63	0.01	0.931	-0.03	0.04	0.835	
79	ER	3	19054	0.03	0.00	0.976	8.99	1.37	0.242	-0.15	1.39	0.239	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.183: 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
80	MC	3794	5110	0.06	1.40	0.236	0.10	0.26	0.612	0.00	0.06	0.809	
81	MC	3794	5110	0.00	0.01	0.939	0.52	5.20	0.023	-0.01	5.46	0.019	
82	MC	3794	5110	-0.17	13.68	0.000	-0.66	7.77	0.005	0.01	4.46	0.035	Uniform<
83	MC	3794	5110	-0.02	0.16	0.687	0.41	3.93	0.048	-0.01	4.54	0.033	
84	MC	3794	5110	0.08	3.13	0.077	0.32	2.44	0.118	0.00	1.46	0.228	
85	MC	7480	10183	-0.19	31.17	0.000	0.00	0.00	0.982	0.00	1.27	0.260	Uniform<
86	MC	3794	5110	-0.23	23.05	0.000	0.17	0.52	0.471	-0.01	3.04	0.081	Uniform<
87	MC	3794	5110	-0.26	28.89	0.000	0.14	0.47	0.491	-0.01	3.99	0.046	Uniform<
88	MC	3686	5073	-0.03	0.27	0.605	0.01	0.00	0.971	0.00	0.03	0.866	
89	MC	3686	5073	-0.06	1.68	0.195	-0.05	0.07	0.795	0.00	0.00	0.985	
90	MC	3686	5073	-0.30	24.65	0.000	0.10	0.13	0.717	-0.01	2.24	0.134	Uniform<
91	MC	7480	10183	-0.09	7.84	0.005	-0.05	0.10	0.753	0.00	0.08	0.779	Uniform<
92	MC	3794	5110	0.00	0.01	0.932	-0.02	0.01	0.909	0.00	0.01	0.922	
93	MC	3686	5073	-0.18	14.08	0.000	-0.44	4.05	0.044	0.00	1.47	0.226	Uniform<
94	MC	3686	5073	-0.03	0.14	0.709	0.05	0.04	0.839	0.00	0.10	0.755	
95	MC	3686	5073	-0.11	5.07	0.024	0.08	0.13	0.723	0.00	0.73	0.393	
96	MC	3794	5110	-0.13	8.30	0.004	0.18	0.84	0.361	-0.01	2.65	0.103	Uniform<
97	MC	3686	5073	-0.02	0.13	0.714	-0.34	1.95	0.162	0.01	1.83	0.176	
98	MC	3686	5073	-0.09	3.70	0.054	0.05	0.05	0.829	0.00	0.41	0.521	
99	MC	7480	10183	-0.18	27.54	0.000	-0.31	3.29	0.070	0.00	0.58	0.445	Uniform<
100	MC	3686	5073	-0.04	0.74	0.388	0.38	3.50	0.061	-0.01	4.46	0.035	
101	MC	3794	5110	0.02	0.19	0.665	-0.12	0.30	0.585	0.00	0.43	0.514	
102	MC	3686	5073	-0.24	27.26	0.000	0.06	0.07	0.789	-0.01	2.01	0.156	Uniform<
103	MC	3794	5110	-0.10	4.46	0.035	0.07	0.10	0.752	0.00	0.63	0.429	
104	MC	3686	5073	-0.11	5.49	0.019	0.01	0.00	0.960	0.00	0.33	0.564	

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.

Table 10.184: 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
80	MC	7522	1384	0.07	1.09	0.297	-0.41	2.67	0.102	0.01	3.88	0.049	
81	MC	7522	1384	0.05	0.35	0.554	0.49	2.79	0.095	-0.01	2.45	0.117	
82	MC	7522	1384	-0.13	4.53	0.033	-0.41	2.01	0.156	0.01	0.96	0.328	
83	MC	7522	1384	0.07	1.16	0.281	0.08	0.11	0.745	0.00	0.00	0.952	
84	MC	7522	1384	-0.17	8.09	0.004	-0.45	3.36	0.067	0.01	1.38	0.239	Uniform<
85	MC	15181	2491	-0.11	5.27	0.022	-0.21	0.87	0.350	0.00	0.21	0.646	
86	MC	7522	1384	0.00	0.00	0.970	-0.03	0.01	0.915	0.00	0.01	0.907	
87	MC	7522	1384	-0.21	10.01	0.002	0.34	1.64	0.200	-0.01	4.67	0.031	Uniform<
88	MC	7659	1107	0.20	7.16	0.007	0.10	0.12	0.730	0.00	0.15	0.702	Uniform>
89	MC	7659	1107	0.00	0.00	0.984	0.20	0.46	0.497	0.00	0.48	0.487	
90	MC	7659	1107	-0.03	0.09	0.764	-0.74	4.18	0.041	0.01	4.16	0.041	
91	MC	15181	2491	0.01	0.07	0.793	-0.40	4.07	0.044	0.01	4.57	0.033	
92	MC	7522	1384	0.20	9.00	0.003	-0.13	0.26	0.611	0.01	1.78	0.183	Uniform>
93	MC	7659	1107	-0.34	19.66	0.000	-0.29	0.97	0.326	0.00	0.03	0.872	Uniform<
94	MC	7659	1107	0.37	14.90	0.000	-0.41	1.50	0.220	0.02	6.06	0.014	Uniform>
95	MC	7659	1107	-0.10	1.87	0.171	-0.45	2.24	0.134	0.01	1.44	0.230	
96	MC	7522	1384	0.01	0.03	0.866	0.45	3.34	0.068	-0.01	3.40	0.065	
97	MC	7659	1107	-0.16	5.16	0.023	-0.05	0.02	0.879	0.00	0.12	0.726	
98	MC	7659	1107	0.20	8.09	0.004	-0.02	0.01	0.936	0.00	0.58	0.446	Uniform>
99	MC	15181	2491	-0.35	55.89	0.000	0.10	0.22	0.640	-0.01	4.63	0.031	Uniform<
100	MC	7659	1107	-0.26	16.52	0.000	0.04	0.02	0.882	-0.01	1.35	0.245	Uniform<
101	MC	7522	1384	-0.11	2.80	0.094	-0.72	7.50	0.006	0.01	5.78	0.016	
102	MC	7659	1107	0.10	2.22	0.136	-0.37	1.73	0.189	0.01	2.96	0.085	
103	MC	7522	1384	0.01	0.01	0.911	0.19	0.50	0.481	0.00	0.49	0.485	
104	MC	7659	1107	-0.09	1.61	0.204	0.05	0.03	0.859	0.00	0.25	0.619	

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 10.185: 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
80	MC	7522	1384	0.07	1.09	0.297	-0.41	2.67	0.102	0.01	3.88	0.049	
81	MC	7522	1384	0.05	0.35	0.554	0.49	2.79	0.095	-0.01	2.45	0.117	
82	MC	7522	1384	-0.13	4.53	0.033	-0.41	2.01	0.156	0.01	0.96	0.328	
83	MC	7522	1384	0.07	1.16	0.281	0.08	0.11	0.745	0.00	0.00	0.952	
84	MC	7522	1384	-0.17	8.09	0.004	-0.45	3.36	0.067	0.01	1.38	0.239	Uniform<
85	MC	15181	2491	-0.11	5.27	0.022	-0.21	0.87	0.350	0.00	0.21	0.646	
86	MC	7522	1384	0.00	0.00	0.970	-0.03	0.01	0.915	0.00	0.01	0.907	
87	MC	7522	1384	-0.21	10.01	0.002	0.34	1.64	0.200	-0.01	4.67	0.031	Uniform<
88	MC	7659	1107	0.20	7.16	0.007	0.10	0.12	0.730	0.00	0.15	0.702	Uniform>
89	MC	7659	1107	0.00	0.00	0.984	0.20	0.46	0.497	0.00	0.48	0.487	
90	MC	7659	1107	-0.03	0.09	0.764	-0.74	4.18	0.041	0.01	4.16	0.041	
91	MC	15181	2491	0.01	0.07	0.793	-0.40	4.07	0.044	0.01	4.57	0.033	
92	MC	7522	1384	0.20	9.00	0.003	-0.13	0.26	0.611	0.01	1.78	0.183	Uniform>
93	MC	7659	1107	-0.34	19.66	0.000	-0.29	0.97	0.326	0.00	0.03	0.872	Uniform<
94	MC	7659	1107	0.37	14.90	0.000	-0.41	1.50	0.220	0.02	6.06	0.014	Uniform>
95	MC	7659	1107	-0.10	1.87	0.171	-0.45	2.24	0.134	0.01	1.44	0.230	
96	MC	7522	1384	0.01	0.03	0.866	0.45	3.34	0.068	-0.01	3.40	0.065	
97	MC	7659	1107	-0.16	5.16	0.023	-0.05	0.02	0.879	0.00	0.12	0.726	
98	MC	7659	1107	0.20	8.09	0.004	-0.02	0.01	0.936	0.00	0.58	0.446	Uniform>
99	MC	15181	2491	-0.35	55.89	0.000	0.10	0.22	0.640	-0.01	4.63	0.031	Uniform<
100	MC	7659	1107	-0.26	16.52	0.000	0.04	0.02	0.882	-0.01	1.35	0.245	Uniform<
101	MC	7522	1384	-0.11	2.80	0.094	-0.72	7.50	0.006	0.01	5.78	0.016	
102	MC	7659	1107	0.10	2.22	0.136	-0.37	1.73	0.189	0.01	2.96	0.085	
103	MC	7522	1384	0.01	0.01	0.911	0.19	0.50	0.481	0.00	0.49	0.485	
104	MC	7659	1107	-0.09	1.61	0.204	0.05	0.03	0.859	0.00	0.25	0.619	

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.

Table 10.186: 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
80	MC	1463	7443	0.08	1.65	0.199	0.01	0.00	0.968	0.00	0.06	0.799	
81	MC	1463	7443	-0.03	0.20	0.653	0.00	0.00	0.996	0.00	0.01	0.910	
82	MC	1463	7443	0.11	2.93	0.087	0.69	5.26	0.022	-0.01	3.92	0.048	
83	MC	1463	7443	0.01	0.01	0.905	0.31	1.33	0.249	-0.01	1.34	0.247	
84	MC	1463	7443	-0.04	0.56	0.455	-0.07	0.07	0.795	0.00	0.01	0.921	
85	MC	2840	14832	-0.07	2.38	0.123	-0.08	0.12	0.733	0.00	0.00	0.972	
86	MC	1463	7443	0.09	1.64	0.201	0.46	2.20	0.138	-0.01	1.52	0.217	
87	MC	1463	7443	0.17	6.94	0.008	0.21	0.60	0.439	0.00	0.03	0.861	Uniform>
88	MC	1377	7389	-0.05	0.64	0.423	-0.51	3.15	0.076	0.01	2.65	0.103	
89	MC	1377	7389	-0.13	4.74	0.029	-0.21	0.58	0.445	0.00	0.09	0.770	
90	MC	1377	7389	-0.12	2.62	0.105	-0.50	1.88	0.170	0.01	1.13	0.288	
91	MC	2840	14832	-0.06	1.60	0.206	-0.79	13.69	0.000	0.01	12.38	0.000	NonUniform
92	MC	1463	7443	-0.16	6.30	0.012	-0.09	0.12	0.731	0.00	0.05	0.815	
93	MC	1377	7389	0.08	1.43	0.231	0.14	0.23	0.635	0.00	0.04	0.833	
94	MC	1377	7389	-0.03	0.17	0.677	-0.83	5.15	0.023	0.02	4.94	0.026	
95	MC	1377	7389	0.16	6.34	0.012	0.13	0.20	0.651	0.00	0.01	0.920	
96	MC	1463	7443	0.12	3.65	0.056	0.01	0.00	0.980	0.00	0.18	0.672	
97	MC	1377	7389	0.21	9.55	0.002	-0.07	0.06	0.814	0.01	0.84	0.359	Uniform>
98	MC	1377	7389	-0.08	1.54	0.214	0.02	0.01	0.942	0.00	0.12	0.724	
99	MC	2840	14832	-0.01	0.07	0.788	0.10	0.21	0.649	0.00	0.28	0.599	
100	MC	1377	7389	0.02	0.07	0.791	-0.31	1.28	0.258	0.01	1.50	0.221	
101	MC	1463	7443	-0.06	0.90	0.342	0.07	0.06	0.805	0.00	0.21	0.647	
102	MC	1377	7389	0.22	12.65	0.000	0.05	0.03	0.858	0.00	0.39	0.534	Uniform>
103	MC	1463	7443	-0.01	0.06	0.810	0.29	1.05	0.306	-0.01	1.22	0.270	
104	MC	1377	7389	0.03	0.32	0.572	0.03	0.01	0.921	0.00	0.00	0.977	

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 10.187: 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
80	MC	5788	3118	0.04	0.58	0.447	-0.06	0.08	0.781	0.00	0.22	0.637	
81	MC	5788	3118	0.02	0.10	0.747	0.46	3.88	0.049	-0.01	3.80	0.051	
82	MC	5788	3118	-0.10	4.15	0.042	-0.19	0.64	0.424	0.00	0.15	0.696	
83	MC	5788	3118	0.04	0.56	0.452	0.18	0.76	0.382	0.00	0.51	0.473	
84	MC	5788	3118	-0.06	1.94	0.164	-0.08	0.15	0.695	0.00	0.01	0.935	
85	MC	11625	6047	-0.05	1.74	0.187	-0.05	0.09	0.758	0.00	0.00	0.964	
86	MC	5788	3118	-0.07	1.81	0.179	-0.16	0.45	0.503	0.00	0.15	0.694	
87	MC	5788	3118	-0.17	11.92	0.001	0.12	0.33	0.568	-0.01	2.12	0.146	Uniform<
88	MC	5837	2929	-0.02	0.14	0.709	0.48	4.97	0.026	-0.01	5.75	0.016	
89	MC	5837	2929	-0.05	0.96	0.328	-0.18	0.74	0.391	0.00	0.43	0.512	
90	MC	5837	2929	0.04	0.33	0.565	-0.21	0.59	0.441	0.01	0.86	0.354	
91	MC	11625	6047	-0.06	3.33	0.068	-0.10	0.46	0.499	0.00	0.08	0.777	
92	MC	5788	3118	0.11	4.89	0.027	0.00	0.00	0.999	0.00	0.31	0.579	
93	MC	5837	2929	-0.12	5.05	0.025	-0.27	1.52	0.218	0.00	0.53	0.468	
94	MC	5837	2929	0.16	5.41	0.020	0.04	0.02	0.886	0.00	0.25	0.616	
95	MC	5837	2929	-0.07	1.92	0.165	-0.16	0.50	0.480	0.00	0.17	0.684	
96	MC	5788	3118	0.01	0.05	0.830	0.33	2.80	0.094	-0.01	2.79	0.095	
97	MC	5837	2929	-0.19	13.65	0.000	0.32	1.78	0.182	-0.01	4.61	0.032	Uniform<
98	MC	5837	2929	0.03	0.30	0.582	-0.39	3.19	0.074	0.01	3.84	0.050	
99	MC	11625	6047	-0.32	82.22	0.000	-0.21	1.68	0.195	0.00	0.41	0.523	Uniform<
100	MC	5837	2929	-0.05	1.41	0.234	0.12	0.36	0.549	0.00	0.80	0.372	
101	MC	5788	3118	-0.07	2.10	0.147	-0.75	12.18	0.000	0.01	10.54	0.001	NonUniform
102	MC	5837	2929	-0.07	1.91	0.166	0.00	0.00	0.984	0.00	0.11	0.736	
103	MC	5788	3118	-0.07	2.10	0.148	0.15	0.50	0.481	0.00	1.11	0.292	
104	MC	5837	2929	-0.03	0.51	0.474	0.11	0.29	0.593	0.00	0.51	0.475	

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.

Table 10.188: 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
80	MC	5788	1165	0.00	0.00	0.960	0.13	0.15	0.701	0.00	0.15	0.702	
81	MC	5788	1165	-0.13	2.10	0.147	-0.15	0.14	0.706	0.00	0.00	0.953	
82	MC	5788	1165	-0.01	0.04	0.840	-0.31	0.72	0.395	0.01	0.68	0.409	
83	MC	5788	1165	0.04	0.42	0.519	-0.14	0.16	0.691	0.00	0.29	0.588	
84	MC	5788	1165	0.05	0.64	0.424	0.63	3.31	0.069	-0.01	2.90	0.089	
85	MC	11625	2296	-0.06	1.26	0.261	0.96	10.72	0.001	-0.02	12.37	0.000	NonUniform
86	MC	5788	1165	-0.09	1.43	0.232	-0.25	0.43	0.510	0.00	0.19	0.660	
87	MC	5788	1165	-0.06	0.64	0.424	0.06	0.03	0.852	0.00	0.13	0.720	
88	MC	5837	1131	-0.07	0.71	0.399	0.93	6.36	0.012	-0.02	7.56	0.006	NonUniform
89	MC	5837	1131	0.13	3.49	0.062	0.62	3.06	0.080	-0.01	2.02	0.156	
90	MC	5837	1131	-0.01	0.01	0.934	0.09	0.04	0.847	0.00	0.05	0.830	
91	MC	11625	2296	-0.04	0.63	0.426	0.37	2.16	0.142	-0.01	2.72	0.099	
92	MC	5788	1165	0.10	1.82	0.177	0.10	0.08	0.778	0.00	0.00	0.998	
93	MC	5837	1131	-0.22	9.14	0.002	-0.53	2.23	0.135	0.01	0.78	0.379	Uniform<
94	MC	5837	1131	-0.05	0.21	0.645	-0.03	0.01	0.940	0.00	0.00	0.972	
95	MC	5837	1131	-0.18	6.04	0.014	-0.50	2.01	0.157	0.01	0.88	0.348	
96	MC	5788	1165	-0.07	1.13	0.288	-0.42	1.66	0.197	0.01	1.19	0.275	
97	MC	5837	1131	-0.24	11.24	0.001	-0.19	0.27	0.602	0.00	0.02	0.900	Uniform<
98	MC	5837	1131	-0.01	0.04	0.841	-0.76	4.96	0.026	0.01	4.99	0.025	
99	MC	11625	2296	-0.29	34.20	0.000	0.15	0.30	0.581	-0.01	2.80	0.094	Uniform<
100	MC	5837	1131	-0.01	0.02	0.875	0.09	0.07	0.785	0.00	0.10	0.756	
101	MC	5788	1165	-0.02	0.11	0.741	-0.26	0.54	0.464	0.00	0.47	0.495	
102	MC	5837	1131	-0.14	4.36	0.037	-0.09	0.07	0.797	0.00	0.03	0.871	
103	MC	5788	1165	0.03	0.22	0.636	0.43	1.41	0.234	-0.01	1.25	0.263	
104	MC	5837	1131	0.03	0.16	0.693	0.23	0.45	0.503	0.00	0.36	0.546	

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 10.189: 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
80	MC	1953	1165	-0.06	0.51	0.476	0.25	0.45	0.502	-0.01	0.72	0.396	
81	MC	1953	1165	-0.21	4.30	0.038	-0.78	3.34	0.068	0.01	1.88	0.170	
82	MC	1953	1165	0.14	3.02	0.082	-0.16	0.15	0.695	0.01	0.56	0.453	
83	MC	1953	1165	0.02	0.06	0.810	-0.42	1.34	0.247	0.01	1.55	0.213	
84	MC	1953	1165	0.18	5.87	0.015	0.96	6.75	0.009	-0.01	4.61	0.032	
85	MC	3751	2296	-0.02	0.10	0.753	1.38	19.38	0.000	-0.03	20.60	0.000	NonUniform
86	MC	1953	1165	-0.03	0.13	0.723	-0.13	0.10	0.750	0.00	0.06	0.801	
87	MC	1953	1165	0.21	5.83	0.016	-0.08	0.04	0.839	0.01	0.61	0.436	
88	MC	1798	1131	-0.06	0.46	0.497	0.60	2.26	0.133	-0.01	2.91	0.088	
89	MC	1798	1131	0.28	12.59	0.000	1.12	8.67	0.003	-0.02	5.09	0.024	Uniform>
90	MC	1798	1131	-0.08	0.60	0.438	0.42	0.72	0.397	-0.01	1.08	0.299	
91	MC	3751	2296	0.04	0.42	0.518	0.65	5.71	0.017	-0.01	5.32	0.021	
92	MC	1953	1165	-0.03	0.10	0.752	0.13	0.12	0.729	0.00	0.18	0.668	
93	MC	1798	1131	-0.18	4.32	0.038	-0.37	0.94	0.333	0.00	0.26	0.609	
94	MC	1798	1131	-0.35	8.11	0.004	-0.08	0.03	0.873	-0.01	0.33	0.568	Uniform<
95	MC	1798	1131	-0.18	4.40	0.036	-0.51	1.68	0.194	0.01	0.75	0.387	
96	MC	1953	1165	-0.12	2.36	0.125	-1.01	8.16	0.004	0.02	6.66	0.010	NonUniform
97	MC	1798	1131	-0.09	1.13	0.287	-0.78	3.55	0.060	0.01	2.90	0.089	
98	MC	1798	1131	-0.07	0.73	0.394	-0.53	2.00	0.158	0.01	1.58	0.208	
99	MC	3751	2296	0.04	0.53	0.465	0.50	3.09	0.079	-0.01	2.71	0.100	
100	MC	1798	1131	0.07	0.92	0.339	-0.03	0.01	0.930	0.00	0.09	0.762	
101	MC	1953	1165	0.06	0.64	0.422	0.66	3.05	0.081	-0.01	2.61	0.107	
102	MC	1798	1131	-0.13	2.47	0.116	-0.15	0.16	0.691	0.00	0.00	0.950	
103	MC	1953	1165	0.17	4.60	0.032	0.38	0.97	0.325	0.00	0.30	0.584	
104	MC	1798	1131	0.10	1.65	0.199	0.17	0.21	0.644	0.00	0.04	0.850	

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.

Table 10.190: 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
80	MC	146	1165	-0.33	3.05	0.081	1.43	2.39	0.122	-0.03	3.77	0.052	
81	MC	146	1165	0.23	0.81	0.369	1.81	2.34	0.126	-0.03	1.93	0.164	
82	MC	146	1165	-0.07	0.13	0.716	-0.11	0.01	0.914	0.00	0.00	0.964	
83	MC	146	1165	-0.46	6.19	0.013	-0.74	0.57	0.450	0.01	0.09	0.766	
84	MC	146	1165	-0.05	0.08	0.773	0.93	0.94	0.331	-0.02	1.09	0.298	
85	MC	210	2296	-0.36	5.10	0.024	0.95	1.14	0.285	-0.02	2.22	0.136	
86	MC	146	1165	-0.53	5.89	0.015	-2.92	3.84	0.050	0.04	2.72	0.099	
87	MC	146	1165	0.34	2.66	0.103	0.93	0.86	0.353	-0.01	0.36	0.547	
88	MC	64	1131	-0.52	3.22	0.073	1.66	1.62	0.204	-0.04	3.00	0.083	
89	MC	64	1131	0.40	2.04	0.153	1.50	1.34	0.248	-0.02	0.76	0.383	
90	MC	64	1131	0.11	0.08	0.771	0.31	0.03	0.861	0.00	0.01	0.909	
91	MC	210	2296	-0.25	2.81	0.094	0.08	0.01	0.922	-0.01	0.17	0.678	
92	MC	146	1165	-0.14	0.53	0.466	0.78	0.67	0.413	-0.02	0.98	0.322	
93	MC	64	1131	0.08	0.07	0.796	0.32	0.05	0.817	0.00	0.03	0.858	
94	MC	64	1131	-0.44	1.33	0.249	3.30	4.06	0.044	-0.07	6.06	0.014	
95	MC	64	1131	0.34	1.29	0.256	2.09	2.39	0.122	-0.03	1.81	0.179	
96	MC	146	1165	0.32	2.64	0.104	0.31	0.10	0.746	0.00	0.00	0.995	
97	MC	64	1131	0.25	0.84	0.359	-0.13	0.01	0.927	0.01	0.08	0.783	
98	MC	64	1131	0.14	0.25	0.618	0.89	0.47	0.492	-0.01	0.35	0.552	
99	MC	210	2296	0.04	0.06	0.807	0.03	0.00	0.970	0.00	0.00	0.995	
100	MC	64	1131	-0.25	0.87	0.351	-1.42	0.98	0.321	0.02	0.70	0.402	
101	MC	146	1165	-0.11	0.39	0.533	-1.26	1.32	0.251	0.02	1.12	0.289	
102	MC	64	1131	0.09	0.10	0.747	2.30	3.30	0.069	-0.04	3.25	0.071	
103	MC	146	1165	0.12	0.43	0.513	0.19	0.03	0.854	0.00	0.00	0.951	
104	MC	64	1131	0.28	1.03	0.311	0.89	0.46	0.496	-0.01	0.23	0.634	

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 10.191: 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
80	MC	10151	8906	-0.11	8.11	0.004	-1.33	41.87	0.000	0.02	36.48	0.000	NonUniform
81	MC	10151	8906	-0.07	1.89	0.169	-0.46	3.31	0.069	0.01	2.46	0.117	
82	MC	10151	8906	0.14	14.14	0.000	-2.85	157.10	0.000	0.05	178.76	0.000	NonUniform
83	MC	10151	8906	-0.02	0.25	0.617	-1.33	40.92	0.000	0.02	41.20	0.000	NonUniform
84	MC	10151	8906	-0.09	6.07	0.014	-2.45	155.11	0.000	0.04	150.45	0.000	NonUniform
85	MC	20904	17672	0.04	2.96	0.085	-0.97	40.56	0.000	0.02	45.83	0.000	NonUniform
86	MC	10151	8906	0.14	16.44	0.000	-1.47	50.52	0.000	0.03	63.27	0.000	NonUniform
87	MC	10151	8906	0.19	22.04	0.000	-0.77	12.79	0.000	0.02	20.73	0.000	NonUniform
88	MC	10753	8766	-0.20	23.48	0.000	-0.65	9.60	0.002	0.01	4.71	0.030	Uniform<
89	MC	10753	8766	0.04	1.44	0.231	-2.27	125.38	0.000	0.04	134.95	0.000	NonUniform
90	MC	10753	8766	0.10	2.71	0.100	-1.71	28.73	0.000	0.03	33.02	0.000	NonUniform
91	MC	20904	17672	0.03	1.78	0.183	0.44	10.21	0.001	-0.01	9.00	0.003	NonUniform
92	MC	10151	8906	0.01	0.02	0.884	-0.77	13.53	0.000	0.01	14.26	0.000	NonUniform
93	MC	10753	8766	0.09	5.11	0.024	0.37	3.23	0.072	0.00	1.95	0.163	
94	MC	10753	8766	-0.19	9.68	0.002	0.55	3.48	0.062	-0.01	6.72	0.010	NonUniform
95	MC	10753	8766	-0.11	9.00	0.003	-0.74	12.93	0.000	0.01	9.60	0.002	NonUniform
96	MC	10151	8906	-0.07	3.55	0.060	-0.39	4.14	0.042	0.01	2.90	0.089	
97	MC	10753	8766	0.26	53.56	0.000	0.16	0.63	0.427	0.00	0.27	0.605	Uniform>
98	MC	10753	8766	0.31	64.05	0.000	-1.08	25.15	0.000	0.02	42.93	0.000	NonUniform
99	MC	20904	17672	0.06	5.09	0.024	-1.52	109.12	0.000	0.02	121.79	0.000	NonUniform
100	MC	10753	8766	-0.12	13.03	0.000	-1.33	51.93	0.000	0.02	44.56	0.000	NonUniform
101	MC	10151	8906	-0.05	1.71	0.191	-0.81	16.29	0.000	0.01	14.95	0.000	NonUniform
102	MC	10753	8766	-0.13	13.61	0.000	-1.17	36.35	0.000	0.02	29.76	0.000	NonUniform
103	MC	10151	8906	0.15	15.56	0.000	-1.37	41.54	0.000	0.02	53.03	0.000	NonUniform
104	MC	10753	8766	0.15	17.76	0.000	-0.12	0.37	0.543	0.00	2.00	0.158	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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.192: 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
80	MC	3	19054	-1.62	1.64	0.200	210.98	0.01	0.928	-4.11	0.01	0.927	
81	MC	3	19054	-1.03	0.66	0.417	-1.67	0.04	0.846	0.01	0.01	0.941	
82	MC	3	19054	0.58	0.20	0.656	-216.93	0.00	0.945	4.22	0.00	0.945	
83	MC	3	19054	-0.12	0.01	0.924	-1.41	0.03	0.870	0.02	0.02	0.881	
84	MC	3	19054	0.76	0.37	0.544	-1.04	0.01	0.903	0.03	0.04	0.834	
85	MC	4	38572	-0.23	0.05	0.827	-94.42	0.01	0.928	1.75	0.01	0.928	
86	MC	3	19054	0.04	0.00	0.972	-71.05	0.00	0.945	1.14	0.00	0.947	
87	MC	3	19054	-0.36	0.08	0.774	-1.62	0.04	0.850	0.02	0.02	0.883	
88	MC	1	19518	8.64	0.00	0.946	8.64	0.00	0.946	0.00			
89	MC	1	19518	-9.51	0.01	0.930	-9.51	0.01	0.930	0.00			
90	MC	1	19518	8.52	0.00	0.957	8.52	0.00	0.957	0.00			
91	MC	4	38572	-0.31	0.09	0.764	-96.00	0.01	0.926	1.77	0.01	0.926	
92	MC	3	19054	9.54	0.01	0.931	12.48	0.00	0.986	-0.05	0.00	0.997	
93	MC	1	19518	-10.62	0.01	0.941	-10.62	0.01	0.941	0.00			
94	MC	1	19518	8.42	0.00	0.963	8.42	0.00	0.963	0.00			
95	MC	1	19518	9.02	0.01	0.935	9.02	0.01	0.935	0.00			
96	MC	3	19054	-1.38	1.23	0.267	5.10	0.35	0.552	-0.11	0.54	0.462	
97	MC	1	19518	-8.42	0.01	0.936	-8.42	0.01	0.936	0.00			
98	MC	1	19518	8.99	0.01	0.937	8.99	0.01	0.937	0.00			
99	MC	4	38572	-0.29	0.06	0.803	6.09	0.42	0.519	-0.11	0.43	0.512	
100	MC	1	19518	-8.78	0.01	0.931	-8.78	0.01	0.931	0.00			
101	MC	3	19054	0.35	0.08	0.781	-0.73	0.01	0.932	0.02	0.02	0.899	
102	MC	1	19518	9.16	0.01	0.930	9.16	0.01	0.930	0.00			
103	MC	3	19054	9.79	0.01	0.922	13.56	0.00	0.983	-0.07	0.00	0.995	
104	MC	1	19518	9.01	0.01	0.934	9.01	0.01	0.934	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, 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 10.193: 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
105	SA4	3794	5110	-0.06	1.47	0.226	-0.36	3.52	0.061	0.01	2.57	0.109	
106	SA4	3794	5110	-0.27	33.51	0.000	-0.39	3.92	0.048	0.00	0.41	0.521	Uniform<
107	SA4	3794	5110	0.09	4.81	0.028	-0.20	1.19	0.274	0.01	2.68	0.102	
108	SA4	3686	5073	-0.01	0.02	0.882	-0.54	7.67	0.006	0.01	7.89	0.005	NonUniform
109	SA4	3686	5073	-0.11	4.84	0.028	-0.35	3.21	0.073	0.00	1.58	0.209	
110	SA4	3686	5073	-0.33	49.49	0.000	-0.22	1.17	0.279	0.00	0.31	0.579	Uniform<
111	SA4	3686	5073	0.06	1.53	0.217	-0.31	2.68	0.102	0.01	3.97	0.046	
112	SA4	7480	10183	-0.05	1.58	0.209	-0.34	4.90	0.027	0.01	3.89	0.049	
113	SA4	3686	5073	-0.09	4.03	0.045	-0.81	17.31	0.000	0.01	14.40	0.000	NonUniform
114	SA4	3794	5110	-0.15	11.79	0.001	-0.40	4.60	0.032	0.00	1.95	0.163	Uniform<
115	SA4	3794	5110	-0.07	2.74	0.098	-0.43	5.40	0.020	0.01	3.93	0.047	
116	SA4	7480	10183	-0.13	13.17	0.000	-0.24	2.57	0.109	0.00	0.58	0.445	Uniform<
117	SA4	3794	5110	-0.34	55.40	0.000	0.08	0.19	0.661	-0.01	5.18	0.023	Uniform<
118	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.194: 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
105	SA4	7522	1384	0.14	3.99	0.046	0.62	7.21	0.007	-0.01	4.73	0.030	
106	SA4	7522	1384	0.28	20.71	0.000	0.53	4.88	0.027	0.00	1.16	0.282	Uniform>
107	SA4	7522	1384	0.41	52.62	0.000	0.25	1.21	0.272	0.00	0.53	0.467	Uniform>
108	SA4	7659	1107	0.56	75.12	0.000	-0.16	0.38	0.538	0.01	8.37	0.004	NonUniform
109	SA4	7659	1107	0.38	26.28	0.000	0.59	5.22	0.022	0.00	0.73	0.393	Uniform>
110	SA4	7659	1107	0.33	23.17	0.000	0.77	7.82	0.005	-0.01	2.70	0.100	Uniform>
111	SA4	7659	1107	0.17	6.06	0.014	0.21	0.70	0.402	0.00	0.03	0.853	
112	SA4	15181	2491	0.44	73.33	0.000	-0.15	0.62	0.431	0.01	10.31	0.001	NonUniform
113	SA4	7659	1107	0.40	37.45	0.000	0.20	0.59	0.443	0.00	0.64	0.423	Uniform>
114	SA4	7522	1384	0.36	38.77	0.000	0.33	2.09	0.149	0.00	0.01	0.913	Uniform>
115	SA4	7522	1384	0.09	2.16	0.142	0.53	5.51	0.019	-0.01	4.13	0.042	
116	SA4	15181	2491	0.25	25.10	0.000	0.31	2.61	0.106	0.00	0.12	0.732	Uniform>
117	SA4	7522	1384	0.25	16.68	0.000	0.46	4.00	0.046	0.00	0.91	0.340	Uniform>
118	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, 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 10.195: 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
105	SA4	1009	7897	0.22	7.06	0.008	1.07	8.47	0.004	-0.02	5.60	0.018	Uniform>
106	SA4	1009	7897	0.19	7.26	0.007	0.99	7.74	0.005	-0.01	5.20	0.023	Uniform>
107	SA4	1009	7897	-0.22	11.61	0.001	0.30	0.88	0.349	-0.01	2.77	0.096	Uniform<
108	SA4	684	8082	-0.38	22.89	0.000	0.94	5.98	0.014	-0.02	12.32	0.000	NonUniform
109	SA4	684	8082	0.14	2.10	0.147	0.59	1.96	0.162	-0.01	1.19	0.276	
110	SA4	684	8082	-0.09	1.14	0.285	0.19	0.20	0.659	-0.01	0.44	0.505	
111	SA4	684	8082	-0.17	4.06	0.044	0.12	0.09	0.766	-0.01	0.54	0.463	
112	SA4	1693	15979	-0.29	22.99	0.000	0.38	1.74	0.187	-0.01	5.70	0.017	Uniform<
113	SA4	684	8082	-0.12	2.25	0.134	0.84	4.58	0.032	-0.02	6.28	0.012	
114	SA4	1009	7897	-0.20	9.78	0.002	0.31	0.93	0.336	-0.01	2.68	0.102	Uniform<
115	SA4	1009	7897	-0.01	0.02	0.877	0.32	0.92	0.337	-0.01	1.03	0.311	
116	SA4	1693	15979	0.10	2.98	0.084	0.72	6.47	0.011	-0.01	4.96	0.026	
117	SA4	1009	7897	0.19	7.31	0.007	0.78	4.81	0.028	-0.01	2.83	0.093	Uniform>
118	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.196: 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
105	SA4	1463	7443	0.59	69.99	0.000	1.01	14.24	0.000	-0.01	2.61	0.106	Uniform>
106	SA4	1463	7443	0.24	15.17	0.000	0.80	9.05	0.003	-0.01	4.74	0.030	Uniform>
107	SA4	1463	7443	0.15	7.38	0.007	0.85	12.28	0.000	-0.01	8.77	0.003	NonUniform
108	SA4	1377	7389	0.21	12.34	0.000	0.83	10.55	0.001	-0.01	6.28	0.012	Uniform>
109	SA4	1377	7389	0.39	31.44	0.000	1.07	15.83	0.000	-0.01	6.91	0.009	NonUniform
110	SA4	1377	7389	0.34	30.24	0.000	1.42	27.66	0.000	-0.02	16.90	0.000	NonUniform
111	SA4	1377	7389	0.20	10.34	0.001	0.99	14.78	0.000	-0.02	10.04	0.002	NonUniform
112	SA4	2840	14832	0.24	25.72	0.000	0.21	1.03	0.309	0.00	0.02	0.876	Uniform>
113	SA4	1377	7389	0.26	19.38	0.000	0.79	9.54	0.002	-0.01	4.49	0.034	Uniform>
114	SA4	1463	7443	0.23	16.04	0.000	0.87	12.53	0.000	-0.01	7.26	0.007	NonUniform
115	SA4	1463	7443	0.20	11.62	0.001	0.99	15.29	0.000	-0.02	10.29	0.001	NonUniform
116	SA4	2840	14832	0.48	103.44	0.000	1.01	25.35	0.000	-0.01	7.40	0.007	NonUniform
117	SA4	1463	7443	-0.02	0.11	0.743	0.41	2.64	0.104	-0.01	3.09	0.079	
118	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, 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 10.197: 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
105	SA4	5788	3118	0.13	5.77	0.016	0.62	10.72	0.001	-0.01	7.28	0.007	NonUniform
106	SA4	5788	3118	0.00	0.00	0.970	0.47	5.82	0.016	-0.01	6.13	0.013	
107	SA4	5788	3118	0.27	39.75	0.000	-0.02	0.02	0.900	0.01	2.78	0.095	Uniform>
108	SA4	5837	2929	0.31	44.19	0.000	-0.15	0.61	0.435	0.01	5.87	0.015	Uniform>
109	SA4	5837	2929	0.24	20.59	0.000	0.60	9.47	0.002	-0.01	3.69	0.055	Uniform>
110	SA4	5837	2929	-0.03	0.30	0.584	0.48	5.51	0.019	-0.01	6.51	0.011	
111	SA4	5837	2929	0.00	0.00	0.965	0.42	4.75	0.029	-0.01	5.00	0.025	
112	SA4	11625	6047	0.21	29.80	0.000	-0.17	1.26	0.261	0.01	6.74	0.009	NonUniform
113	SA4	5837	2929	0.16	12.44	0.000	0.12	0.36	0.551	0.00	0.07	0.798	Uniform>
114	SA4	5788	3118	0.21	22.51	0.000	0.08	0.21	0.650	0.00	0.49	0.486	Uniform>
115	SA4	5788	3118	-0.04	0.82	0.366	0.27	2.21	0.137	-0.01	3.14	0.076	
116	SA4	11625	6047	0.04	1.35	0.246	-0.12	0.59	0.442	0.00	1.19	0.276	
117	SA4	5788	3118	-0.11	5.23	0.022	0.55	8.26	0.004	-0.01	12.49	0.000	NonUniform
118	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.198: 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
105	SA4	5788	1165	-0.08	0.95	0.329	-0.80	5.33	0.021	0.01	4.56	0.033	
106	SA4	5788	1165	-0.25	12.54	0.000	-0.04	0.01	0.909	0.00	0.38	0.538	Uniform<
107	SA4	5788	1165	0.20	9.89	0.002	-0.65	4.51	0.034	0.02	7.95	0.005	NonUniform
108	SA4	5837	1131	0.25	14.93	0.000	-0.96	9.54	0.002	0.02	15.88	0.000	NonUniform
109	SA4	5837	1131	0.05	0.47	0.491	-0.65	3.81	0.051	0.01	4.66	0.031	
110	SA4	5837	1131	-0.27	14.15	0.000	-0.22	0.42	0.515	0.00	0.02	0.898	Uniform<
111	SA4	5837	1131	-0.08	1.36	0.243	0.02	0.00	0.945	0.00	0.11	0.741	
112	SA4	11625	2296	0.13	5.32	0.021	-0.70	7.53	0.006	0.02	11.11	0.001	NonUniform
113	SA4	5837	1131	0.04	0.32	0.571	-0.95	9.05	0.003	0.02	10.23	0.001	NonUniform
114	SA4	5788	1165	0.16	6.18	0.013	-0.78	6.52	0.011	0.02	9.87	0.002	NonUniform
115	SA4	5788	1165	-0.19	7.73	0.005	-0.57	3.21	0.073	0.01	1.51	0.219	Uniform<
116	SA4	11625	2296	-0.29	26.78	0.000	-1.39	30.33	0.000	0.02	20.12	0.000	NonUniform
117	SA4	5788	1165	-0.48	48.16	0.000	-1.43	17.10	0.000	0.02	7.85	0.005	NonUniform
118	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, 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 10.199: 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
105	SA4	1953	1165	-0.27	9.41	0.002	-1.70	22.08	0.000	0.03	16.59	0.000	NonUniform
106	SA4	1953	1165	-0.38	21.18	0.000	-0.58	2.55	0.110	0.00	0.34	0.561	Uniform<
107	SA4	1953	1165	-0.13	3.17	0.075	-0.81	6.30	0.012	0.01	4.68	0.031	
108	SA4	1798	1131	-0.09	1.52	0.217	-1.10	10.60	0.001	0.02	9.34	0.002	NonUniform
109	SA4	1798	1131	-0.27	9.30	0.002	-1.61	20.45	0.000	0.02	15.07	0.000	NonUniform
110	SA4	1798	1131	-0.36	18.61	0.000	-0.87	5.65	0.017	0.01	2.06	0.151	Uniform<
111	SA4	1798	1131	-0.11	2.01	0.156	-0.48	1.97	0.161	0.01	1.20	0.273	
112	SA4	3751	2296	-0.15	5.58	0.018	-0.67	6.16	0.013	0.01	3.92	0.048	
113	SA4	1798	1131	-0.19	6.19	0.013	-1.38	16.38	0.000	0.02	12.76	0.000	NonUniform
114	SA4	1953	1165	-0.08	1.25	0.264	-1.15	12.40	0.000	0.02	11.35	0.001	NonUniform
115	SA4	1953	1165	-0.21	7.15	0.007	-1.03	9.19	0.002	0.02	6.14	0.013	Uniform<
116	SA4	3751	2296	-0.52	64.29	0.000	-1.61	34.86	0.000	0.02	17.14	0.000	NonUniform
117	SA4	1953	1165	-0.51	41.45	0.000	-2.20	37.28	0.000	0.03	23.27	0.000	NonUniform
118	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.200: 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
105	SA4	146	1165	0.28	1.78	0.182	-1.24	1.70	0.192	0.03	2.65	0.104	
106	SA4	146	1165	-0.52	7.78	0.005	-0.35	0.14	0.705	0.00	0.03	0.862	Uniform<
107	SA4	146	1165	-0.56	11.01	0.001	-1.07	1.53	0.216	0.01	0.37	0.544	Uniform<
108	SA4	64	1131	-0.23	0.83	0.363	-1.68	1.81	0.178	0.03	1.39	0.238	
109	SA4	64	1131	0.27	0.77	0.380	-0.41	0.10	0.748	0.01	0.30	0.584	
110	SA4	64	1131	-0.35	1.64	0.201	-0.43	0.11	0.745	0.00	0.00	0.952	
111	SA4	64	1131	-0.37	1.87	0.171	-2.79	5.27	0.022	0.04	4.21	0.040	
112	SA4	210	2296	-0.40	6.13	0.013	-0.77	0.96	0.326	0.01	0.23	0.633	
113	SA4	64	1131	0.02	0.01	0.937	-1.14	0.81	0.369	0.02	0.85	0.355	
114	SA4	146	1165	-0.35	4.40	0.036	-1.86	4.45	0.035	0.03	3.04	0.081	
115	SA4	146	1165	-0.34	3.38	0.066	-1.31	2.09	0.148	0.02	1.20	0.274	
116	SA4	210	2296	0.11	0.40	0.529	-0.52	0.40	0.526	0.01	0.61	0.434	
117	SA4	146	1165	-0.34	3.61	0.057	0.79	0.76	0.383	-0.02	1.60	0.207	
118	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, 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 10.201: 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
105	SA4	10151	8906	-0.30	50.59	0.000	1.17	33.39	0.000	-0.02	54.74	0.000	NonUniform
106	SA4	10151	8906	0.05	1.74	0.188	1.00	24.63	0.000	-0.02	22.94	0.000	NonUniform
107	SA4	10151	8906	-0.25	56.98	0.000	0.18	1.06	0.303	-0.01	6.26	0.012	Uniform<
108	SA4	10753	8766	-0.22	38.79	0.000	0.49	6.93	0.008	-0.01	14.88	0.000	NonUniform
109	SA4	10753	8766	-0.29	47.36	0.000	1.41	48.58	0.000	-0.03	73.51	0.000	NonUniform
110	SA4	10753	8766	0.01	0.05	0.821	1.09	28.66	0.000	-0.02	29.05	0.000	NonUniform
111	SA4	10753	8766	-0.04	0.99	0.320	0.96	26.48	0.000	-0.02	29.64	0.000	NonUniform
112	SA4	20904	17672	-0.28	69.03	0.000	0.42	6.69	0.010	-0.01	19.01	0.000	NonUniform
113	SA4	10753	8766	-0.29	68.19	0.000	1.20	43.18	0.000	-0.02	68.83	0.000	NonUniform
114	SA4	10151	8906	-0.44	171.03	0.000	-0.20	1.33	0.248	0.00	1.94	0.164	Uniform<
115	SA4	10151	8906	0.01	0.13	0.717	0.26	1.94	0.164	0.00	1.81	0.179	
116	SA4	20904	17672	-0.24	63.94	0.000	1.06	48.06	0.000	-0.02	75.49	0.000	NonUniform
117	SA4	10151	8906	0.01	0.06	0.809	0.66	10.29	0.001	-0.01	10.29	0.001	NonUniform
118	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.202: 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
105	SA4	3	19054	0.19	0.02	0.897	4.32	0.22	0.638	-0.07	0.21	0.649	
106	SA4	3	19054	-1.03	0.75	0.387	-6.19	0.50	0.480	0.09	0.35	0.556	
107	SA4	3	19054	-0.88	0.64	0.422	3.37	0.26	0.611	-0.07	0.42	0.515	
108	SA4	1	19518	-12.15	0.01	0.909	-12.15	0.01	0.909	0.00			
109	SA4	1	19518	-13.96	0.01	0.920	-13.96	0.01	0.920	0.00			
110	SA4	1	19518	-1.58	0.61	0.434	-1.58	0.61	0.434	0.00			
111	SA4	1	19518	-12.99	0.02	0.902	-12.99	0.02	0.902	0.00			
112	SA4	4	38572	-1.63	2.85	0.091	-1.96	0.07	0.785	0.01	0.00	0.964	
113	SA4	1	19518	-12.11	0.01	0.918	-12.11	0.01	0.918	0.00			
114	SA4	3	19054	1.03	0.67	0.414	-5.02	0.34	0.557	0.11	0.52	0.470	
115	SA4	3	19054	-0.16	0.02	0.896	1.67	0.05	0.820	-0.03	0.06	0.802	
116	SA4	4	38572	-0.80	0.63	0.428	7.02	1.19	0.276	-0.14	1.55	0.213	
117	SA4	3	19054	-0.32	0.06	0.801	-7.64	0.34	0.562	0.13	0.29	0.590	
118	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, 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 10.203: 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
1	MC	1202	1861	0.30	7.45	0.006	0.64	2.70	0.100	-0.01	0.84	0.361	Uniform>
2	MC	1338	1803	-0.14	3.67	0.055	0.35	1.28	0.258	-0.01	2.70	0.100	
3	MC	1338	1803	0.06	0.47	0.492	0.75	3.59	0.058	-0.01	3.19	0.074	
4	MC	1338	1803	-0.25	10.16	0.001	-0.23	0.41	0.520	0.00	0.00	0.964	Uniform<
5	MC	1338	1803	-0.15	3.29	0.070	0.10	0.07	0.790	0.00	0.48	0.490	
6	MC	1338	1803	-0.10	1.11	0.293	0.91	6.06	0.014	-0.02	7.97	0.005	NonUniform
7	MC	1338	1803	0.22	7.94	0.005	-0.23	0.40	0.526	0.01	1.61	0.205	Uniform>
8	MC	1338	1803	0.32	15.61	0.000	0.94	6.55	0.011	-0.01	3.02	0.082	Uniform>
9	MC	1338	1803	0.26	10.85	0.001	0.08	0.05	0.827	0.00	0.28	0.594	Uniform>
10	MC	1338	1803	0.31	15.53	0.000	0.67	3.58	0.059	-0.01	1.06	0.303	Uniform>
11	MC	1202	1861	0.27	11.04	0.001	-0.52	1.76	0.185	0.01	4.22	0.040	Uniform>
12	MC	1202	1861	0.20	5.78	0.016	0.35	0.96	0.328	0.00	0.19	0.666	
13	MC	1202	1861	0.24	7.45	0.006	0.89	6.35	0.012	-0.01	3.59	0.058	Uniform>
14	MC	1202	1861	0.03	0.12	0.728	-0.76	4.20	0.040	0.01	4.74	0.029	
15	MC	1338	1803	0.25	9.88	0.002	1.10	9.70	0.002	-0.02	6.13	0.013	Uniform>
16	MC	1338	1803	-0.04	0.29	0.593	0.34	1.04	0.308	-0.01	1.38	0.241	
17	MC	1338	1803	-0.10	1.67	0.196	-0.57	2.96	0.085	0.01	2.13	0.145	
18	MC	1338	1803	0.18	5.31	0.021	0.12	0.13	0.719	0.00	0.03	0.866	
19	MC	1338	1803	0.01	0.02	0.884	-0.07	0.05	0.827	0.00	0.07	0.794	
20	MC	1338	1803	0.48	19.66	0.000	0.47	1.58	0.209	0.00	0.00	0.973	Uniform>
21	MC	1338	1803	-0.07	0.44	0.506	-0.65	2.56	0.109	0.01	2.19	0.139	
22	MC	2540	3664	0.33	12.74	0.000	0.49	2.18	0.140	0.00	0.26	0.612	Uniform>
23	MC	1202	1861	0.19	6.07	0.014	0.20	0.35	0.554	0.00	0.00	0.976	
24	MC	1202	1861	0.12	2.24	0.135	0.33	0.79	0.373	0.00	0.34	0.561	
25	MC	1202	1861	-0.49	25.47	0.000	-0.81	2.72	0.099	0.01	0.44	0.506	Uniform<
26	MC	1202	1861	-0.10	1.23	0.268	0.01	0.00	0.981	0.00	0.08	0.776	
27	MC	2540	3664	0.12	4.65	0.031	0.46	4.13	0.042	-0.01	2.43	0.119	
28	MC	1202	1861	0.27	6.60	0.010	1.01	5.88	0.015	-0.02	3.39	0.066	
29	MC	2540	3664	-0.36	40.17	0.000	-0.29	1.13	0.288	0.00	0.07	0.790	Uniform<
30	MC	2540	3664	0.19	8.25	0.004	0.15	0.37	0.543	0.00	0.02	0.899	Uniform>
31	MC	2540	3664	0.14	6.30	0.012	0.16	0.45	0.501	0.00	0.01	0.932	
32	MC	2540	3664	0.07	1.48	0.224	-0.04	0.03	0.862	0.00	0.22	0.641	
33	MC	1202	1861	0.05	0.20	0.657	-0.14	0.09	0.761	0.00	0.19	0.665	
34	MC	1202	1861	0.14	3.11	0.078	0.02	0.00	0.966	0.00	0.10	0.749	
35	MC	1202	1861	0.13	2.89	0.089	0.11	0.09	0.760	0.00	0.00	0.945	
36	MC	1202	1861	0.03	0.15	0.701	0.35	1.17	0.279	-0.01	1.04	0.307	
37	MC	1202	1861	0.11	1.82	0.177	0.14	0.14	0.709	0.00	0.01	0.932	
38	MC	1338	1803	0.13	2.01	0.156	0.50	1.65	0.199	-0.01	0.98	0.322	
39	MC	1338	1803	0.07	0.77	0.381	0.65	3.36	0.067	-0.01	2.82	0.093	
40	MC	1338	1803	0.14	3.44	0.064	-0.01	0.00	0.978	0.00	0.21	0.644	
41	MC	1338	1803	-0.22	6.26	0.012	0.22	0.28	0.595	-0.01	1.18	0.277	
42	MC	1202	1861	0.07	0.83	0.364	0.07	0.04	0.842	0.00	0.00	0.997	
43	MC	1202	1861	-0.06	0.60	0.440	-1.16	9.56	0.002	0.02	9.05	0.003	NonUniform
44	MC	1202	1861	0.14	3.00	0.083	-0.01	0.00	0.985	0.00	0.15	0.694	
45	MC	1202	1861	0.08	1.08	0.298	-0.04	0.01	0.909	0.00	0.13	0.719	
46	MC	1202	1861	-0.41	23.26	0.000	-0.66	2.58	0.109	0.00	0.39	0.533	Uniform<
47	SA1	1202	1861	-0.24	6.23	0.013	0.25	0.44	0.508	-0.01	1.76	0.185	
48	SA1	1338	1803	-0.43	25.63	0.000	-0.36	1.03	0.311	0.00	0.04	0.833	Uniform<
49	SA1	1338	1803	-0.46	27.06	0.000	-0.27	0.55	0.459	0.00	0.29	0.593	Uniform<
50	SA1	1202	1861	-0.05	0.49	0.485	-0.42	1.59	0.207	0.01	1.28	0.258	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.204: 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
1	MC	2416	651	0.35	8.64	0.003	1.55	11.63	0.001	-0.03	7.44	0.006	NonUniform
2	MC	2439	703	-0.03	0.15	0.702	0.53	2.18	0.140	-0.01	2.63	0.105	
3	MC	2439	703	-0.15	2.14	0.144	-0.29	0.43	0.514	0.00	0.10	0.749	
4	MC	2439	703	0.01	0.00	0.947	-0.36	0.82	0.364	0.01	0.90	0.344	
5	MC	2439	703	0.10	1.10	0.295	0.87	3.93	0.047	-0.01	3.26	0.071	
6	MC	2439	703	0.25	5.51	0.019	-0.63	2.40	0.122	0.02	5.07	0.024	
7	MC	2439	703	0.01	0.02	0.888	-0.57	1.94	0.163	0.01	2.14	0.144	
8	MC	2439	703	-0.22	5.46	0.019	-0.95	5.43	0.020	0.01	3.36	0.067	
9	MC	2439	703	0.02	0.03	0.856	-0.15	0.13	0.714	0.00	0.18	0.674	
10	MC	2439	703	0.07	0.56	0.454	0.15	0.14	0.712	0.00	0.04	0.838	
11	MC	2416	651	-0.20	4.30	0.038	-0.06	0.02	0.883	0.00	0.10	0.756	
12	MC	2416	651	0.13	1.72	0.190	-0.18	0.19	0.667	0.01	0.60	0.438	
13	MC	2416	651	0.15	1.94	0.164	0.62	2.12	0.145	-0.01	1.31	0.253	
14	MC	2416	651	-0.11	1.37	0.241	0.02	0.00	0.969	0.00	0.10	0.756	
15	MC	2439	703	-0.29	9.13	0.003	0.10	0.05	0.818	-0.01	0.88	0.347	Uniform<
16	MC	2439	703	0.12	1.67	0.196	-0.46	1.49	0.222	0.01	2.50	0.114	
17	MC	2439	703	0.13	1.97	0.161	-0.69	3.49	0.062	0.02	5.24	0.022	
18	MC	2439	703	-0.31	11.81	0.001	-1.00	7.44	0.006	0.01	3.76	0.053	Uniform<
19	MC	2439	703	0.03	0.12	0.724	-0.27	0.53	0.465	0.01	0.72	0.398	
20	MC	2439	703	-0.11	0.78	0.379	-0.52	1.58	0.209	0.01	1.09	0.296	
21	MC	2439	703	0.01	0.00	0.951	-0.36	0.64	0.425	0.01	0.71	0.399	
22	MC	4855	1354	-0.36	11.06	0.001	-0.54	2.03	0.154	0.00	0.25	0.616	Uniform<
23	MC	2416	651	-0.27	8.53	0.003	0.46	1.30	0.254	-0.01	3.47	0.063	Uniform<
24	MC	2416	651	-0.02	0.06	0.808	-0.06	0.02	0.895	0.00	0.01	0.937	
25	MC	2416	651	-0.28	6.82	0.009	0.57	1.15	0.283	-0.02	2.72	0.099	Uniform<
26	MC	2416	651	-0.04	0.17	0.677	-0.65	2.49	0.115	0.01	2.29	0.130	
27	MC	4855	1354	-0.10	2.57	0.109	0.70	6.71	0.010	-0.02	9.37	0.002	NonUniform
28	MC	2416	651	0.04	0.10	0.756	0.34	0.47	0.492	-0.01	0.40	0.528	
29	MC	4855	1354	-0.15	4.77	0.029	-0.13	0.18	0.670	0.00	0.00	0.955	
30	MC	4855	1354	-0.20	6.96	0.008	-0.18	0.41	0.520	0.00	0.00	0.954	Uniform<
31	MC	4855	1354	-0.06	0.93	0.336	0.34	1.53	0.216	-0.01	2.30	0.129	
32	MC	4855	1354	-0.17	6.11	0.013	-0.51	3.44	0.064	0.01	1.64	0.200	
33	MC	2416	651	-0.12	0.83	0.362	-1.02	4.41	0.036	0.02	3.73	0.054	
34	MC	2416	651	-0.29	9.07	0.003	-0.91	4.18	0.041	0.01	2.00	0.157	Uniform<
35	MC	2416	651	0.07	0.59	0.443	-0.14	0.11	0.737	0.00	0.28	0.598	
36	MC	2416	651	-0.10	1.23	0.267	-0.15	0.17	0.682	0.00	0.02	0.894	
37	MC	2416	651	-0.22	5.22	0.022	-0.42	1.04	0.309	0.00	0.26	0.611	
38	MC	2439	703	-0.09	0.70	0.404	-0.05	0.01	0.919	0.00	0.01	0.927	
39	MC	2439	703	0.09	0.94	0.332	-0.04	0.01	0.915	0.00	0.12	0.734	
40	MC	2439	703	-0.24	7.01	0.008	-0.44	1.40	0.236	0.00	0.31	0.576	Uniform<
41	MC	2439	703	0.07	0.51	0.473	-0.62	1.84	0.175	0.01	2.42	0.120	
42	MC	2416	651	-0.07	0.58	0.446	0.14	0.12	0.727	0.00	0.29	0.588	
43	MC	2416	651	0.12	1.50	0.220	-0.21	0.26	0.609	0.01	0.69	0.408	
44	MC	2416	651	-0.21	4.74	0.029	0.18	0.16	0.685	-0.01	0.81	0.367	
45	MC	2416	651	0.19	4.04	0.044	0.26	0.41	0.524	0.00	0.03	0.867	
46	MC	2416	651	-0.11	1.21	0.272	-0.66	2.34	0.126	0.01	1.71	0.190	
47	SA1	2416	651	0.24	4.68	0.030	1.07	5.33	0.021	-0.02	3.42	0.064	
48	SA1	2439	703	0.07	0.46	0.496	0.27	0.42	0.517	0.00	0.25	0.619	
49	SA1	2439	703	0.02	0.03	0.861	1.03	5.36	0.021	-0.02	5.45	0.020	
50	SA1	2416	651	-0.07	0.59	0.442	0.26	0.48	0.489	-0.01	0.82	0.366	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.205: 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
1	MC	321	2746	-0.22	1.94	0.164	0.09	0.02	0.886	-0.01	0.26	0.612	
2	MC	288	2854	-0.19	2.22	0.136	-0.36	0.38	0.535	0.00	0.09	0.761	
3	MC	288	2854	0.23	2.41	0.121	1.12	2.89	0.089	-0.02	1.90	0.168	
4	MC	288	2854	0.05	0.14	0.706	0.34	0.28	0.597	-0.01	0.21	0.646	
5	MC	288	2854	-0.24	2.90	0.089	-1.21	2.45	0.117	0.02	1.64	0.200	
6	MC	288	2854	0.34	3.91	0.048	0.15	0.04	0.833	0.00	0.09	0.768	
7	MC	288	2854	-0.13	0.89	0.346	0.03	0.00	0.971	0.00	0.05	0.819	
8	MC	288	2854	0.14	1.11	0.293	0.38	0.33	0.568	0.00	0.13	0.718	
9	MC	288	2854	-0.05	0.12	0.733	-1.85	5.70	0.017	0.03	5.72	0.017	
10	MC	288	2854	0.21	2.28	0.131	0.57	0.84	0.360	-0.01	0.36	0.548	
11	MC	321	2746	-0.24	3.34	0.067	-0.51	0.57	0.449	0.01	0.17	0.678	
12	MC	321	2746	-0.37	6.73	0.009	-1.00	2.15	0.142	0.01	0.90	0.342	Uniform<
13	MC	321	2746	-0.02	0.02	0.884	0.09	0.02	0.882	0.00	0.04	0.850	
14	MC	321	2746	0.16	1.60	0.205	-0.01	0.00	0.993	0.00	0.08	0.784	
15	MC	288	2854	-0.18	1.82	0.178	-0.38	0.31	0.577	0.00	0.09	0.764	
16	MC	288	2854	-0.03	0.05	0.824	1.25	4.75	0.029	-0.02	5.15	0.023	
17	MC	288	2854	0.26	4.16	0.041	0.35	0.36	0.546	0.00	0.02	0.879	
18	MC	288	2854	-0.14	1.18	0.277	0.41	0.45	0.500	-0.01	0.86	0.354	
19	MC	288	2854	-0.28	3.94	0.047	0.14	0.05	0.829	-0.01	0.46	0.499	
20	MC	288	2854	0.24	1.54	0.215	-0.45	0.41	0.521	0.02	1.02	0.312	
21	MC	288	2854	0.15	0.74	0.390	0.11	0.02	0.882	0.00	0.00	0.946	
22	MC	609	5600	0.28	3.32	0.069	0.98	3.21	0.073	-0.02	1.79	0.180	
23	MC	321	2746	-0.06	0.27	0.604	1.08	4.06	0.044	-0.02	4.78	0.029	
24	MC	321	2746	-0.07	0.26	0.611	0.51	0.71	0.400	-0.01	0.94	0.332	
25	MC	321	2746	0.19	1.73	0.188	-0.53	0.48	0.490	0.01	0.92	0.337	
26	MC	321	2746	-0.15	1.09	0.297	0.01	0.00	0.990	0.00	0.06	0.803	
27	MC	609	5600	-0.02	0.04	0.849	-0.95	4.84	0.028	0.02	4.89	0.027	
28	MC	321	2746	0.07	0.18	0.674	-1.02	1.71	0.191	0.02	2.01	0.156	
29	MC	609	5600	0.23	6.46	0.011	0.50	1.27	0.259	-0.01	0.38	0.538	
30	MC	609	5600	0.19	3.51	0.061	0.74	3.03	0.082	-0.01	1.73	0.188	
31	MC	609	5600	-0.09	0.89	0.344	-0.57	1.76	0.185	0.01	1.34	0.248	
32	MC	609	5600	-0.15	2.52	0.113	0.88	4.35	0.037	-0.02	6.21	0.013	
33	MC	321	2746	0.29	2.48	0.115	0.77	1.09	0.297	-0.01	0.45	0.500	
34	MC	321	2746	-0.07	0.32	0.571	-0.16	0.05	0.820	0.00	0.02	0.902	
35	MC	321	2746	-0.24	3.57	0.059	0.66	1.34	0.247	-0.02	2.58	0.109	
36	MC	321	2746	0.16	1.73	0.189	0.52	0.96	0.327	-0.01	0.49	0.486	
37	MC	321	2746	0.00	0.00	0.993	0.01	0.00	0.990	0.00	0.00	0.992	
38	MC	288	2854	0.40	6.65	0.010	1.06	2.51	0.113	-0.01	1.01	0.315	Uniform>
39	MC	288	2854	-0.20	2.16	0.142	-0.41	0.35	0.554	0.00	0.10	0.757	
40	MC	288	2854	-0.19	2.10	0.147	0.85	2.14	0.143	-0.02	3.33	0.068	
41	MC	288	2854	-0.14	0.89	0.344	-0.37	0.21	0.644	0.00	0.08	0.773	
42	MC	321	2746	-0.02	0.03	0.861	-0.79	1.61	0.205	0.01	1.59	0.207	
43	MC	321	2746	-0.09	0.47	0.492	1.11	3.75	0.053	-0.02	4.53	0.033	
44	MC	321	2746	0.17	1.77	0.183	0.04	0.00	0.951	0.00	0.04	0.833	
45	MC	321	2746	-0.18	1.94	0.163	-1.54	5.25	0.022	0.03	4.32	0.038	
46	MC	321	2746	-0.08	0.38	0.537	0.06	0.01	0.926	0.00	0.05	0.823	
47	SA1	321	2746	-0.01	0.00	0.971	0.08	0.02	0.896	0.00	0.02	0.887	
48	SA1	288	2854	-0.19	1.86	0.173	-1.11	2.45	0.118	0.02	1.74	0.187	
49	SA1	288	2854	0.03	0.05	0.823	-0.62	0.79	0.374	0.01	0.92	0.338	
50	SA1	321	2746	0.03	0.06	0.805	-0.89	2.25	0.134	0.02	2.52	0.113	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.206: 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
1	MC	603	2464	-0.28	5.55	0.019	-1.71	8.73	0.003	0.03	6.29	0.012	
2	MC	598	2544	-0.20	4.49	0.034	-1.15	6.17	0.013	0.02	4.42	0.036	
3	MC	598	2544	-0.03	0.05	0.827	0.50	0.82	0.367	-0.01	0.93	0.334	
4	MC	598	2544	-0.22	4.78	0.029	0.12	0.06	0.802	-0.01	0.49	0.482	
5	MC	598	2544	-0.01	0.01	0.936	-0.62	1.36	0.243	0.01	1.39	0.238	
6	MC	598	2544	0.15	1.68	0.194	-0.90	2.62	0.105	0.02	3.69	0.055	
7	MC	598	2544	-0.03	0.12	0.732	-0.08	0.02	0.877	0.00	0.01	0.929	
8	MC	598	2544	-0.21	4.62	0.032	-0.69	1.71	0.192	0.01	0.85	0.356	
9	MC	598	2544	-0.24	5.43	0.020	0.92	3.61	0.057	-0.02	5.96	0.015	
10	MC	598	2544	-0.21	4.49	0.034	-1.28	5.83	0.016	0.02	4.25	0.039	
11	MC	603	2464	-0.42	17.22	0.000	-0.66	1.28	0.259	0.00	0.17	0.682	Uniform<
12	MC	603	2464	-0.14	1.76	0.184	-0.01	0.00	0.985	0.00	0.06	0.806	
13	MC	603	2464	-0.20	3.16	0.075	-0.11	0.04	0.840	0.00	0.03	0.868	
14	MC	603	2464	-0.25	6.53	0.011	0.22	0.17	0.679	-0.01	0.83	0.363	
15	MC	598	2544	-0.57	32.92	0.000	-1.65	9.03	0.003	0.02	4.04	0.044	Uniform<
16	MC	598	2544	-0.02	0.03	0.858	-0.22	0.21	0.646	0.00	0.19	0.666	
17	MC	598	2544	0.06	0.35	0.557	0.18	0.15	0.698	0.00	0.07	0.789	
18	MC	598	2544	-0.19	3.49	0.062	0.28	0.34	0.561	-0.01	0.99	0.320	
19	MC	598	2544	-0.47	18.94	0.000	0.16	0.11	0.743	-0.01	1.71	0.190	Uniform<
20	MC	598	2544	-0.25	4.35	0.037	-0.02	0.00	0.963	-0.01	0.21	0.645	
21	MC	598	2544	-0.40	12.01	0.001	-0.54	0.97	0.326	0.00	0.07	0.790	Uniform<
22	MC	1201	5008	-0.14	1.93	0.165	0.64	2.20	0.138	-0.02	3.47	0.063	
23	MC	603	2464	-0.23	5.93	0.015	-0.10	0.04	0.847	0.00	0.08	0.781	
24	MC	603	2464	-0.14	1.88	0.171	0.36	0.45	0.504	-0.01	0.89	0.346	
25	MC	603	2464	-0.03	0.07	0.787	0.72	1.21	0.272	-0.01	1.35	0.245	
26	MC	603	2464	-0.14	1.65	0.199	0.34	0.38	0.539	-0.01	0.78	0.377	
27	MC	1201	5008	-0.31	21.42	0.000	-0.84	6.19	0.013	0.01	2.58	0.108	Uniform<
28	MC	603	2464	-0.30	7.23	0.007	-0.71	1.45	0.229	0.01	0.48	0.486	Uniform<
29	MC	1201	5008	0.16	5.37	0.021	0.63	3.08	0.079	-0.01	1.76	0.184	
30	MC	1201	5008	0.10	1.65	0.199	-0.41	1.20	0.274	0.01	1.98	0.159	
31	MC	1201	5008	-0.13	3.66	0.056	0.20	0.35	0.554	-0.01	1.02	0.313	
32	MC	1201	5008	-0.08	1.23	0.267	0.41	1.33	0.249	-0.01	1.98	0.159	
33	MC	603	2464	-0.22	3.03	0.082	0.16	0.07	0.785	-0.01	0.43	0.512	
34	MC	603	2464	-0.21	4.48	0.034	-0.88	2.16	0.142	0.01	1.28	0.258	
35	MC	603	2464	-0.43	19.28	0.000	0.09	0.03	0.856	-0.01	1.06	0.304	Uniform<
36	MC	603	2464	-0.09	0.97	0.324	0.10	0.05	0.829	0.00	0.18	0.673	
37	MC	603	2464	-0.18	3.22	0.073	0.25	0.23	0.631	-0.01	0.69	0.406	
38	MC	598	2544	-0.52	25.51	0.000	-1.42	6.24	0.013	0.02	2.61	0.106	Uniform<
39	MC	598	2544	-0.12	1.25	0.263	-0.72	1.86	0.173	0.01	1.37	0.241	
40	MC	598	2544	-0.25	6.63	0.010	-0.77	2.43	0.119	0.01	1.15	0.283	
41	MC	598	2544	-0.07	0.41	0.520	0.33	0.34	0.559	-0.01	0.53	0.466	
42	MC	603	2464	-0.53	26.97	0.000	0.29	0.31	0.576	-0.02	2.53	0.112	Uniform<
43	MC	603	2464	0.08	0.60	0.440	0.36	0.49	0.484	-0.01	0.31	0.576	
44	MC	603	2464	-0.02	0.06	0.810	0.81	2.39	0.122	-0.02	2.61	0.106	
45	MC	603	2464	-0.11	1.29	0.256	-0.71	1.77	0.183	0.01	1.31	0.253	
46	MC	603	2464	-0.14	1.71	0.191	1.06	3.72	0.054	-0.02	4.88	0.027	
47	SA1	603	2464	-0.65	37.76	0.000	-2.20	14.10	0.000	0.03	7.27	0.007	NonUniform
48	SA1	598	2544	-0.36	12.72	0.000	-0.83	2.74	0.098	0.01	0.92	0.338	Uniform<
49	SA1	598	2544	-0.40	15.46	0.000	-0.68	1.82	0.177	0.01	0.32	0.572	Uniform<
50	SA1	603	2464	-0.22	5.36	0.021	-1.03	4.09	0.043	0.02	2.64	0.104	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.207: 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
1	MC	1826	1241	0.26	6.15	0.013	0.32	0.73	0.391	0.00	0.03	0.864	
2	MC	1813	1329	-0.02	0.07	0.797	0.55	3.24	0.072	-0.01	3.69	0.055	
3	MC	1813	1329	-0.16	3.13	0.077	-0.02	0.00	0.953	0.00	0.12	0.729	
4	MC	1813	1329	0.01	0.02	0.900	0.19	0.28	0.597	0.00	0.26	0.607	
5	MC	1813	1329	-0.03	0.12	0.726	0.24	0.44	0.505	0.00	0.59	0.444	
6	MC	1813	1329	0.17	3.14	0.077	-0.30	0.68	0.410	0.01	1.75	0.186	
7	MC	1813	1329	-0.01	0.01	0.924	-0.20	0.31	0.580	0.00	0.30	0.585	
8	MC	1813	1329	-0.10	1.55	0.213	-0.89	5.80	0.016	0.02	4.80	0.028	
9	MC	1813	1329	-0.10	1.72	0.190	0.00	0.00	0.995	0.00	0.09	0.766	
10	MC	1813	1329	0.14	3.19	0.074	0.30	0.70	0.404	0.00	0.20	0.655	
11	MC	1826	1241	-0.14	3.18	0.074	-0.44	1.38	0.239	0.01	0.66	0.415	
12	MC	1826	1241	0.02	0.08	0.781	0.79	5.02	0.025	-0.01	5.02	0.025	
13	MC	1826	1241	-0.01	0.03	0.869	-0.17	0.25	0.619	0.00	0.22	0.638	
14	MC	1826	1241	-0.02	0.08	0.775	0.38	1.16	0.282	-0.01	1.36	0.243	
15	MC	1813	1329	-0.03	0.18	0.676	0.14	0.16	0.688	0.00	0.26	0.612	
16	MC	1813	1329	0.08	0.97	0.325	0.33	1.00	0.316	0.00	0.63	0.426	
17	MC	1813	1329	0.06	0.55	0.460	-0.32	0.95	0.329	0.01	1.41	0.235	
18	MC	1813	1329	-0.18	5.58	0.018	-0.21	0.41	0.524	0.00	0.01	0.922	
19	MC	1813	1329	0.14	3.23	0.072	-0.13	0.15	0.696	0.01	0.72	0.395	
20	MC	1813	1329	0.08	0.58	0.445	0.07	0.03	0.856	0.00	0.00	0.970	
21	MC	1813	1329	0.02	0.06	0.809	-0.04	0.01	0.923	0.00	0.03	0.870	
22	MC	3639	2570	-0.11	1.46	0.227	-0.60	3.45	0.063	0.01	2.52	0.112	
23	MC	1826	1241	-0.18	5.33	0.021	0.29	0.75	0.386	-0.01	2.07	0.150	
24	MC	1826	1241	-0.04	0.20	0.657	0.84	5.18	0.023	-0.02	5.92	0.015	
25	MC	1826	1241	-0.40	19.48	0.000	0.47	1.10	0.295	-0.02	4.00	0.046	Uniform<
26	MC	1826	1241	-0.03	0.10	0.755	0.30	0.70	0.404	-0.01	0.87	0.350	
27	MC	3639	2570	-0.01	0.08	0.783	0.28	1.59	0.207	-0.01	1.87	0.171	
28	MC	1826	1241	0.09	0.81	0.367	0.28	0.46	0.498	0.00	0.22	0.639	
29	MC	3639	2570	-0.21	13.67	0.000	0.12	0.23	0.635	-0.01	1.68	0.195	Uniform<
30	MC	3639	2570	-0.22	12.12	0.000	-0.24	0.91	0.341	0.00	0.00	0.950	Uniform<
31	MC	3639	2570	-0.14	6.42	0.011	0.52	5.11	0.024	-0.01	8.69	0.003	NonUniform
32	MC	3639	2570	-0.11	3.54	0.060	0.26	1.13	0.288	-0.01	2.39	0.122	
33	MC	1826	1241	-0.11	0.91	0.341	-0.40	0.87	0.350	0.01	0.50	0.477	
34	MC	1826	1241	-0.21	6.43	0.011	-0.90	5.30	0.021	0.01	3.30	0.069	
35	MC	1826	1241	-0.04	0.24	0.622	-0.12	0.12	0.734	0.00	0.06	0.814	
36	MC	1826	1241	-0.23	8.75	0.003	0.00	0.00	0.993	0.00	0.54	0.461	Uniform<
37	MC	1826	1241	-0.09	1.38	0.240	-0.23	0.40	0.525	0.00	0.15	0.699	
38	MC	1813	1329	0.07	0.66	0.418	0.02	0.00	0.953	0.00	0.02	0.899	
39	MC	1813	1329	0.01	0.01	0.933	-0.19	0.29	0.591	0.00	0.33	0.569	
40	MC	1813	1329	0.02	0.06	0.802	0.01	0.00	0.982	0.00	0.00	0.971	
41	MC	1813	1329	0.08	0.78	0.376	-0.05	0.02	0.893	0.00	0.11	0.740	
42	MC	1826	1241	-0.16	4.01	0.045	0.41	1.46	0.227	-0.01	2.91	0.088	
43	MC	1826	1241	0.07	0.79	0.373	0.49	1.93	0.164	-0.01	1.49	0.222	
44	MC	1826	1241	-0.20	6.04	0.014	0.12	0.11	0.744	-0.01	0.77	0.381	
45	MC	1826	1241	0.05	0.34	0.561	-0.15	0.20	0.654	0.00	0.36	0.549	
46	MC	1826	1241	-0.14	3.03	0.082	-0.02	0.00	0.963	0.00	0.11	0.736	
47	SA1	1826	1241	0.17	3.38	0.066	0.93	5.93	0.015	-0.02	4.18	0.041	
48	SA1	1813	1329	-0.01	0.01	0.936	0.27	0.59	0.444	-0.01	0.65	0.419	
49	SA1	1813	1329	0.09	1.12	0.290	0.79	4.75	0.029	-0.01	3.93	0.047	
50	SA1	1826	1241	-0.02	0.06	0.801	0.39	1.45	0.228	-0.01	1.70	0.193	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.208: 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
1	MC	1826	338	0.37	5.36	0.021	0.74	0.99	0.321	-0.01	0.26	0.612	
2	MC	1813	340	0.21	3.04	0.081	1.09	3.39	0.066	-0.02	2.31	0.128	
3	MC	1813	340	-0.11	0.61	0.436	0.46	0.40	0.528	-0.01	0.65	0.422	
4	MC	1813	340	0.11	0.79	0.374	1.37	3.74	0.053	-0.02	3.28	0.070	
5	MC	1813	340	0.18	1.73	0.188	0.96	1.89	0.169	-0.01	1.32	0.251	
6	MC	1813	340	0.11	0.47	0.492	0.08	0.01	0.914	0.00	0.00	0.964	
7	MC	1813	340	0.11	0.79	0.374	-0.41	0.41	0.521	0.01	0.70	0.403	
8	MC	1813	340	0.10	0.59	0.442	0.12	0.03	0.864	0.00	0.00	0.977	
9	MC	1813	340	-0.01	0.01	0.910	-0.08	0.02	0.893	0.00	0.01	0.910	
10	MC	1813	340	0.03	0.06	0.812	0.51	0.62	0.433	-0.01	0.57	0.452	
11	MC	1826	338	0.06	0.26	0.613	0.13	0.03	0.857	0.00	0.01	0.928	
12	MC	1826	338	0.16	1.45	0.229	2.01	7.80	0.005	-0.03	6.98	0.008	NonUniform
13	MC	1826	338	-0.06	0.16	0.690	0.57	0.71	0.398	-0.01	0.91	0.340	
14	MC	1826	338	0.01	0.01	0.937	0.25	0.15	0.700	0.00	0.14	0.706	
15	MC	1813	340	0.32	6.52	0.011	1.36	3.69	0.055	-0.02	2.23	0.135	
16	MC	1813	340	0.20	2.34	0.126	1.63	5.69	0.017	-0.03	4.64	0.031	
17	MC	1813	340	-0.05	0.14	0.706	0.22	0.13	0.715	0.00	0.21	0.650	
18	MC	1813	340	0.07	0.34	0.557	0.74	1.30	0.255	-0.01	1.10	0.294	
19	MC	1813	340	0.48	11.70	0.001	0.76	1.28	0.258	-0.01	0.19	0.663	Uniform>
20	MC	1813	340	0.05	0.10	0.756	0.09	0.02	0.900	0.00	0.00	0.960	
21	MC	1813	340	0.10	0.35	0.556	1.38	2.83	0.093	-0.03	2.53	0.112	
22	MC	3639	678	0.03	0.04	0.850	-0.46	0.56	0.456	0.01	0.66	0.416	
23	MC	1826	338	0.01	0.00	0.962	0.38	0.37	0.544	-0.01	0.37	0.543	
24	MC	1826	338	0.10	0.61	0.434	0.70	1.07	0.301	-0.01	0.82	0.365	
25	MC	1826	338	-0.50	12.59	0.000	0.36	0.23	0.632	-0.02	1.35	0.246	Uniform<
26	MC	1826	338	0.20	1.88	0.170	0.58	0.69	0.408	-0.01	0.32	0.573	
27	MC	3639	678	0.13	2.11	0.147	0.84	3.73	0.053	-0.01	2.82	0.093	
28	MC	1826	338	0.25	2.55	0.110	1.94	4.59	0.032	-0.04	3.58	0.058	
29	MC	3639	678	-0.17	3.72	0.054	0.52	1.15	0.284	-0.01	2.10	0.147	
30	MC	3639	678	-0.21	3.97	0.046	0.17	0.14	0.713	-0.01	0.68	0.409	
31	MC	3639	678	-0.04	0.19	0.663	1.73	13.65	0.000	-0.03	15.02	0.000	NonUniform
32	MC	3639	678	0.15	2.49	0.114	0.57	1.51	0.220	-0.01	0.86	0.354	
33	MC	1826	338	-0.08	0.20	0.658	0.40	0.19	0.662	-0.01	0.29	0.592	
34	MC	1826	338	-0.14	1.19	0.275	-1.35	4.09	0.043	0.02	3.41	0.065	
35	MC	1826	338	0.19	2.24	0.135	0.74	1.17	0.280	-0.01	0.68	0.411	
36	MC	1826	338	-0.17	1.89	0.169	-0.10	0.03	0.872	0.00	0.02	0.902	
37	MC	1826	338	0.06	0.23	0.634	0.23	0.12	0.732	0.00	0.07	0.796	
38	MC	1813	340	0.22	2.56	0.110	0.30	0.18	0.673	0.00	0.01	0.912	
39	MC	1813	340	0.17	1.60	0.206	0.47	0.49	0.485	-0.01	0.21	0.643	
40	MC	1813	340	0.40	10.27	0.001	1.42	4.34	0.037	-0.02	2.32	0.128	Uniform>
41	MC	1813	340	0.13	0.90	0.343	-0.46	0.43	0.510	0.01	0.75	0.387	
42	MC	1826	338	0.11	0.80	0.370	0.90	1.82	0.177	-0.01	1.45	0.229	
43	MC	1826	338	0.02	0.03	0.872	-0.06	0.01	0.921	0.00	0.02	0.893	
44	MC	1826	338	-0.12	0.89	0.346	0.26	0.15	0.698	-0.01	0.33	0.566	
45	MC	1826	338	0.04	0.12	0.733	0.67	1.03	0.311	-0.01	0.94	0.333	
46	MC	1826	338	-0.14	1.23	0.267	-0.19	0.08	0.780	0.00	0.00	0.947	
47	SA1	1826	338	0.30	4.51	0.034	1.41	3.37	0.066	-0.02	2.14	0.144	
48	SA1	1813	340	-0.01	0.00	0.953	1.20	2.96	0.085	-0.02	3.11	0.078	
49	SA1	1813	340	0.18	1.75	0.186	-0.44	0.53	0.467	0.01	1.11	0.293	
50	SA1	1826	338	0.07	0.30	0.586	1.47	5.00	0.025	-0.03	4.74	0.030	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.209: 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
1	MC	903	338	0.16	0.89	0.345	0.49	0.41	0.522	-0.01	0.19	0.663	
2	MC	989	340	0.32	6.07	0.014	0.66	1.18	0.277	-0.01	0.32	0.571	
3	MC	989	340	0.06	0.16	0.693	0.59	0.64	0.424	-0.01	0.54	0.461	
4	MC	989	340	0.14	1.10	0.293	1.42	3.91	0.048	-0.02	3.31	0.069	
5	MC	989	340	0.28	3.72	0.054	0.89	1.55	0.214	-0.01	0.76	0.382	
6	MC	989	340	-0.10	0.38	0.536	0.46	0.44	0.509	-0.01	0.68	0.410	
7	MC	989	340	0.16	1.44	0.231	-0.25	0.14	0.704	0.01	0.42	0.519	
8	MC	989	340	0.26	3.64	0.056	1.21	3.00	0.084	-0.02	1.93	0.165	
9	MC	989	340	0.12	0.77	0.381	-0.09	0.02	0.886	0.00	0.11	0.735	
10	MC	989	340	-0.15	1.22	0.270	0.26	0.15	0.696	-0.01	0.39	0.530	
11	MC	903	338	0.29	4.49	0.034	0.73	1.05	0.306	-0.01	0.40	0.529	
12	MC	903	338	0.19	1.63	0.202	1.48	4.06	0.044	-0.02	3.27	0.071	
13	MC	903	338	-0.06	0.15	0.696	0.87	1.65	0.199	-0.02	2.01	0.156	
14	MC	903	338	0.04	0.09	0.763	-0.15	0.05	0.821	0.00	0.09	0.769	
15	MC	989	340	0.50	13.13	0.000	1.45	4.01	0.045	-0.02	1.80	0.179	Uniform>
16	MC	989	340	0.16	1.42	0.233	1.55	4.97	0.026	-0.03	4.20	0.040	
17	MC	989	340	-0.14	1.13	0.287	0.64	1.09	0.296	-0.01	1.73	0.188	
18	MC	989	340	0.34	6.59	0.010	1.15	3.05	0.081	-0.01	1.57	0.210	
19	MC	989	340	0.43	8.81	0.003	1.06	2.43	0.119	-0.01	0.90	0.344	Uniform>
20	MC	989	340	-0.04	0.04	0.843	0.03	0.00	0.967	0.00	0.01	0.924	
21	MC	989	340	0.09	0.28	0.599	1.69	4.11	0.043	-0.03	3.82	0.051	
22	MC	1892	678	0.14	0.85	0.356	0.14	0.05	0.824	0.00	0.00	0.996	
23	MC	903	338	0.26	3.83	0.050	0.14	0.05	0.830	0.00	0.04	0.847	
24	MC	903	338	0.18	1.63	0.202	-0.13	0.04	0.851	0.01	0.20	0.652	
25	MC	903	338	-0.16	1.11	0.292	-0.19	0.06	0.812	0.00	0.00	0.974	
26	MC	903	338	0.30	3.85	0.050	0.38	0.28	0.594	0.00	0.01	0.904	
27	MC	1892	678	0.20	4.51	0.034	0.68	2.32	0.127	-0.01	1.21	0.270	
28	MC	903	338	0.23	1.81	0.178	1.93	4.37	0.036	-0.04	3.51	0.061	
29	MC	1892	678	0.05	0.25	0.619	0.49	0.97	0.325	-0.01	0.82	0.365	
30	MC	1892	678	0.03	0.05	0.818	0.49	1.07	0.301	-0.01	1.03	0.311	
31	MC	1892	678	0.14	2.08	0.149	1.44	9.24	0.002	-0.02	7.96	0.005	NonUniform
32	MC	1892	678	0.35	11.71	0.001	0.41	0.76	0.385	0.00	0.02	0.887	Uniform>
33	MC	903	338	0.01	0.00	0.953	0.94	1.03	0.311	-0.02	1.04	0.307	
34	MC	903	338	0.10	0.54	0.464	-0.54	0.63	0.427	0.01	0.92	0.337	
35	MC	903	338	0.31	5.42	0.020	1.07	2.33	0.127	-0.01	1.21	0.271	
36	MC	903	338	0.08	0.40	0.528	-0.10	0.03	0.864	0.00	0.10	0.752	
37	MC	903	338	0.21	2.47	0.116	0.59	0.73	0.393	-0.01	0.31	0.578	
38	MC	989	340	0.21	1.93	0.165	0.32	0.19	0.659	0.00	0.03	0.873	
39	MC	989	340	0.21	2.36	0.125	0.81	1.39	0.238	-0.01	0.79	0.373	
40	MC	989	340	0.52	14.95	0.000	1.67	5.88	0.015	-0.02	2.93	0.087	Uniform>
41	MC	989	340	0.08	0.27	0.602	-0.50	0.47	0.493	0.01	0.66	0.417	
42	MC	903	338	0.37	7.42	0.006	0.63	0.86	0.354	0.00	0.15	0.697	Uniform>
43	MC	903	338	-0.08	0.31	0.580	-0.71	1.15	0.284	0.01	0.95	0.330	
44	MC	903	338	0.10	0.56	0.453	0.20	0.08	0.780	0.00	0.02	0.893	
45	MC	903	338	0.00	0.00	0.990	0.98	2.13	0.144	-0.02	2.25	0.134	
46	MC	903	338	0.00	0.00	0.972	-0.21	0.09	0.761	0.00	0.09	0.761	
47	SA1	903	338	0.23	2.08	0.150	0.56	0.51	0.477	-0.01	0.18	0.668	
48	SA1	989	340	0.01	0.00	0.972	1.12	2.48	0.115	-0.02	2.57	0.109	
49	SA1	989	340	0.15	1.03	0.311	-1.61	6.23	0.013	0.04	7.93	0.005	NonUniform
50	SA1	903	338	0.12	0.82	0.366	1.30	3.74	0.053	-0.02	3.22	0.073	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.210: 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
1	MC	75	338	-0.13	0.17	0.678	0.91	0.49	0.484	-0.02	0.69	0.407	
2	MC	33	340	-0.35	0.75	0.386	-1.75	0.45	0.504	0.03	0.30	0.586	
3	MC	33	340	0.03	0.01	0.939	-1.77	0.35	0.555	0.03	0.38	0.539	
4	MC	33	340	0.35	0.82	0.365	-2.13	0.46	0.497	0.05	0.63	0.427	
5	MC	33	340	-0.38	0.65	0.421	-1.05	0.12	0.730	0.01	0.05	0.823	
6	MC	33	340	0.38	0.58	0.447	-4.89	0.91	0.340	0.11	1.05	0.305	
7	MC	33	340	-0.30	0.54	0.463	-3.32	1.26	0.262	0.06	1.08	0.299	
8	MC	33	340	0.28	0.52	0.469	-1.03	0.13	0.723	0.03	0.21	0.649	
9	MC	33	340	-1.58	6.53	0.011	0.43	0.02	0.902	-0.04	0.33	0.565	
10	MC	33	340	0.41	1.07	0.300	1.18	0.24	0.621	-0.02	0.11	0.744	
11	MC	75	338	-0.15	0.27	0.602	1.09	0.60	0.438	-0.02	0.80	0.370	
12	MC	75	338	-0.18	0.28	0.598	0.93	0.34	0.559	-0.02	0.50	0.482	
13	MC	75	338	-0.02	0.00	0.952	-0.21	0.02	0.885	0.00	0.02	0.893	
14	MC	75	338	-0.13	0.21	0.644	1.77	2.06	0.152	-0.04	2.45	0.118	
15	MC	33	340	0.26	0.43	0.513	-11.03	3.24	0.072	0.22	3.36	0.067	
16	MC	33	340	0.17	0.17	0.679	0.72	0.09	0.769	-0.01	0.05	0.818	
17	MC	33	340	-0.24	0.34	0.558	1.16	0.26	0.613	-0.03	0.38	0.538	
18	MC	33	340	0.13	0.11	0.741	2.64	1.51	0.219	-0.05	1.39	0.239	
19	MC	33	340	-0.74	1.80	0.180	4.40	2.38	0.123	-0.10	3.06	0.080	
20	MC	33	340	0.07	0.02	0.895	-3.51	0.72	0.396	0.08	0.76	0.385	
21	MC	33	340	0.44	0.63	0.428	0.17	0.00	0.964	0.01	0.01	0.940	
22	MC	108	678	0.91	5.16	0.023	3.90	6.91	0.009	-0.07	4.84	0.028	
23	MC	75	338	0.10	0.15	0.698	0.13	0.01	0.918	0.00	0.00	0.983	
24	MC	75	338	-0.48	2.29	0.130	0.74	0.24	0.623	-0.02	0.68	0.410	
25	MC	75	338	-0.42	1.43	0.232	1.25	0.58	0.448	-0.03	1.04	0.308	
26	MC	75	338	-0.05	0.03	0.867	3.95	8.67	0.003	-0.09	8.79	0.003	NonUniform
27	MC	108	678	0.42	3.62	0.057	0.23	0.04	0.834	0.00	0.03	0.854	
28	MC	75	338	0.23	0.49	0.483	2.49	2.87	0.090	-0.05	2.51	0.113	
29	MC	108	678	0.13	0.31	0.575	1.52	1.93	0.165	-0.03	1.68	0.194	
30	MC	108	678	0.16	0.43	0.512	1.87	3.04	0.081	-0.04	2.60	0.107	
31	MC	108	678	-0.17	0.49	0.484	-1.06	0.59	0.443	0.02	0.44	0.510	
32	MC	108	678	0.52	5.25	0.022	1.07	1.02	0.313	-0.01	0.28	0.594	
33	MC	75	338	0.60	2.13	0.144	3.32	4.70	0.030	-0.07	3.56	0.059	
34	MC	75	338	-0.21	0.56	0.456	0.66	0.25	0.614	-0.02	0.46	0.499	
35	MC	75	338	0.09	0.11	0.737	1.18	0.80	0.372	-0.02	0.70	0.402	
36	MC	75	338	0.02	0.00	0.951	0.63	0.30	0.584	-0.01	0.30	0.584	
37	MC	75	338	0.10	0.12	0.726	0.52	0.15	0.703	-0.01	0.10	0.752	
38	MC	33	340	0.39	0.85	0.356	-2.56	0.45	0.501	0.06	0.60	0.438	
39	MC	33	340	-0.62	1.74	0.187	-0.24	0.01	0.934	-0.01	0.02	0.894	
40	MC	33	340	-0.08	0.04	0.850	1.58	0.45	0.501	-0.03	0.51	0.477	
41	MC	33	340	-0.74	1.79	0.181	2.46	0.73	0.394	-0.06	1.19	0.276	
42	MC	75	338	-0.20	0.50	0.481	3.63	8.61	0.003	-0.08	9.67	0.002	NonUniform
43	MC	75	338	-0.26	0.77	0.379	0.59	0.20	0.656	-0.02	0.43	0.512	
44	MC	75	338	0.01	0.00	0.965	1.02	0.58	0.447	-0.02	0.59	0.444	
45	MC	75	338	0.05	0.03	0.857	0.21	0.02	0.880	0.00	0.01	0.908	
46	MC	75	338	-0.18	0.38	0.537	0.93	0.45	0.502	-0.02	0.67	0.414	
47	SA1	75	338	0.47	2.11	0.146	-0.69	0.18	0.667	0.03	0.55	0.460	
48	SA1	33	340	0.25	0.34	0.558	3.32	2.11	0.146	-0.06	1.90	0.168	
49	SA1	33	340	0.61	1.81	0.178	0.15	0.00	0.953	0.01	0.03	0.855	
50	SA1	75	338	0.47	2.97	0.085	-0.01	0.00	0.992	0.01	0.13	0.716	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.211: 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
1	MC	6632	3067	-0.04	0.18	0.675	0.14	0.15	0.702	0.00	0.25	0.620	
2	MC	6652	3142	-0.31	31.71	0.000	-4.01	215.03	0.000	0.06	194.58	0.000	NonUniform
3	MC	6652	3142	-0.23	15.14	0.000	-4.46	189.42	0.000	0.07	178.29	0.000	NonUniform
4	MC	6652	3142	0.17	8.97	0.003	-2.53	67.72	0.000	0.05	80.74	0.000	NonUniform
5	MC	6652	3142	-0.04	0.47	0.492	-3.88	171.16	0.000	0.06	176.35	0.000	NonUniform
6	MC	6652	3142	0.52	33.87	0.000	0.44	1.01	0.315	0.00	0.04	0.851	Uniform>
7	MC	6652	3142	-0.12	4.84	0.028	-1.84	41.95	0.000	0.03	38.34	0.000	NonUniform
8	MC	6652	3142	0.19	9.16	0.002	-2.15	41.44	0.000	0.04	51.04	0.000	NonUniform
9	MC	6652	3142	-0.09	2.51	0.113	-2.60	85.44	0.000	0.04	83.81	0.000	NonUniform
10	MC	6652	3142	0.00	0.00	0.991	-1.60	26.72	0.000	0.03	27.93	0.000	NonUniform
11	MC	6632	3067	-0.01	0.07	0.793	-2.86	90.58	0.000	0.05	94.05	0.000	NonUniform
12	MC	6632	3067	-0.27	23.41	0.000	-2.61	90.31	0.000	0.04	76.24	0.000	NonUniform
13	MC	6632	3067	-0.60	86.78	0.000	-2.92	88.10	0.000	0.04	58.81	0.000	NonUniform
14	MC	6632	3067	-0.07	1.48	0.223	-3.14	117.09	0.000	0.05	118.05	0.000	NonUniform
15	MC	6652	3142	0.00	0.00	0.984	-2.65	68.92	0.000	0.04	72.14	0.000	NonUniform
16	MC	6652	3142	-0.08	2.33	0.127	-2.68	95.00	0.000	0.04	93.82	0.000	NonUniform
17	MC	6652	3142	0.00	0.00	0.950	-1.21	21.42	0.000	0.02	22.35	0.000	NonUniform
18	MC	6652	3142	-0.15	7.09	0.008	-3.02	115.00	0.000	0.05	109.68	0.000	NonUniform
19	MC	6652	3142	-0.31	30.88	0.000	-4.52	247.51	0.000	0.07	227.44	0.000	NonUniform
20	MC	6652	3142	0.74	41.04	0.000	-1.55	7.75	0.005	0.04	17.11	0.000	NonUniform
21	MC	6652	3142	0.40	16.51	0.000	1.24	6.81	0.009	-0.01	3.29	0.070	Uniform>
22	MC	13284	6209	0.53	27.57	0.000	1.18	6.27	0.012	-0.01	1.98	0.159	Uniform>
23	MC	6632	3067	-0.02	0.08	0.781	-1.98	52.22	0.000	0.03	54.11	0.000	NonUniform
24	MC	6632	3067	-0.22	15.71	0.000	-2.51	79.75	0.000	0.04	69.88	0.000	NonUniform
25	MC	6632	3067	0.05	0.71	0.398	-2.72	72.07	0.000	0.05	77.63	0.000	NonUniform
26	MC	6632	3067	-0.12	4.71	0.030	-3.37	139.68	0.000	0.05	136.17	0.000	NonUniform
27	MC	13284	6209	0.15	13.66	0.000	-0.92	23.03	0.000	0.02	32.64	0.000	NonUniform
28	MC	6632	3067	0.34	14.08	0.000	0.70	2.80	0.095	-0.01	0.79	0.373	Uniform>
29	MC	13284	6209	0.20	26.37	0.000	-1.19	34.02	0.000	0.02	48.46	0.000	NonUniform
30	MC	13284	6209	-0.27	33.73	0.000	-1.27	34.34	0.000	0.02	22.30	0.000	NonUniform
31	MC	13284	6209	-0.21	29.47	0.000	-2.94	243.41	0.000	0.05	221.84	0.000	NonUniform
32	MC	13284	6209	-0.30	57.05	0.000	-2.02	110.36	0.000	0.03	84.29	0.000	NonUniform
33	MC	6632	3067	0.88	48.73	0.000	0.28	0.22	0.636	0.01	1.03	0.310	Uniform>
34	MC	6632	3067	0.00	0.00	0.947	-1.65	29.42	0.000	0.03	30.86	0.000	NonUniform
35	MC	6632	3067	-0.23	17.49	0.000	-2.40	73.84	0.000	0.04	63.46	0.000	NonUniform
36	MC	6632	3067	-0.08	1.91	0.167	-2.36	78.30	0.000	0.04	77.41	0.000	NonUniform
37	MC	6632	3067	-0.12	4.46	0.035	-2.34	68.36	0.000	0.04	64.86	0.000	NonUniform
38	MC	6652	3142	0.35	21.73	0.000	-0.23	0.35	0.554	0.01	2.33	0.127	Uniform>
39	MC	6652	3142	-0.23	17.97	0.000	-2.91	102.02	0.000	0.04	90.60	0.000	NonUniform
40	MC	6652	3142	-0.24	18.56	0.000	-2.89	103.81	0.000	0.04	92.02	0.000	NonUniform
41	MC	6652	3142	-0.19	10.95	0.001	-4.08	161.57	0.000	0.06	153.61	0.000	NonUniform
42	MC	6632	3067	-0.11	3.82	0.051	-3.68	167.90	0.000	0.06	167.15	0.000	NonUniform
43	MC	6632	3067	-0.07	1.43	0.232	-2.16	64.10	0.000	0.04	63.28	0.000	NonUniform
44	MC	6632	3067	0.22	16.20	0.000	-3.15	110.20	0.000	0.06	132.36	0.000	NonUniform
45	MC	6632	3067	-0.11	4.48	0.034	-1.33	26.41	0.000	0.02	23.18	0.000	NonUniform
46	MC	6632	3067	-0.22	15.77	0.000	-2.63	82.31	0.000	0.04	72.40	0.000	NonUniform
47	SA1	6632	3067	0.24	8.73	0.003	-0.62	2.72	0.099	0.02	5.47	0.019	Uniform>
48	SA1	6652	3142	0.08	1.24	0.265	0.31	0.88	0.348	0.00	0.52	0.471	
49	SA1	6652	3142	0.24	10.56	0.001	0.29	0.64	0.423	0.00	0.02	0.896	Uniform>
50	SA1	6632	3067	-0.06	1.21	0.271	-0.44	3.14	0.076	0.01	2.48	0.115	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.212: 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
1	MC	2	9697	9.69	0.00	0.967	12.87	0.00	0.984	-0.06	0.00	0.995	
2	MC	8	9786	0.44	0.35	0.551	7.08	1.03	0.310	-0.11	0.94	0.332	
3	MC	8	9786	0.47	0.40	0.529	-7.33	0.31	0.578	0.12	0.36	0.550	
4	MC	8	9786	0.52	0.37	0.545	-39.78	0.68	0.408	0.65	0.70	0.404	
5	MC	8	9786	-1.65	2.35	0.125	1.05	0.01	0.913	-0.04	0.08	0.779	
6	MC	8	9786	10.83	0.00	0.963	16.59	0.00	0.994	-0.09	0.00	0.998	
7	MC	8	9786	-1.99	3.39	0.065	2.87	0.13	0.719	-0.08	0.36	0.550	
8	MC	8	9786	0.06	0.00	0.945	7.66	1.12	0.291	-0.12	1.17	0.278	
9	MC	8	9786	0.77	1.04	0.307	-9.57	0.44	0.509	0.17	0.52	0.471	
10	MC	8	9786	-0.48	0.40	0.527	-23.11	0.73	0.392	0.36	0.70	0.402	
11	MC	2	9697	11.39	0.00	0.944	16.19	0.00	0.979	-0.09	0.00	0.992	
12	MC	2	9697	12.19	0.00	0.951	13.66	0.00	0.973	-0.04	0.00	0.995	
13	MC	2	9697	1.45	1.05	0.305	-31.13	0.00	0.957	0.51	0.00	0.960	
14	MC	2	9697	-0.68	0.12	0.732	-28.82	0.00	0.963	0.43	0.00	0.961	
15	MC	8	9786	1.17	1.09	0.296	-67.39	0.00	0.969	1.30	0.00	0.966	
16	MC	8	9786	0.17	0.06	0.813	8.77	1.54	0.215	-0.14	1.53	0.217	
17	MC	8	9786	-1.48	1.92	0.166	-230.86	0.01	0.930	3.35	0.01	0.931	
18	MC	8	9786	-1.13	1.86	0.172	-11.33	0.55	0.457	0.16	0.46	0.499	
19	MC	8	9786	-1.42	1.74	0.188	-3.93	0.09	0.767	0.04	0.04	0.848	
20	MC	8	9786	10.48	0.00	0.969	16.45	0.00	0.995	-0.10	0.00	0.998	
21	MC	8	9786	10.67	0.00	0.965	16.91	0.00	0.994	-0.10	0.00	0.998	
22	MC	10	19483	9.82	0.00	0.960	16.70	0.00	0.988	-0.13	0.00	0.994	
23	MC	2	9697	-0.90	0.25	0.617	-30.19	0.00	0.963	0.45	0.00	0.962	
24	MC	2	9697	-0.08	0.00	0.966	-28.99	0.00	0.961	0.44	0.00	0.959	
25	MC	2	9697	0.46	0.05	0.818	-27.87	0.00	0.965	0.44	0.00	0.963	
26	MC	2	9697	0.52	0.10	0.756	-29.60	0.00	0.963	0.46	0.00	0.961	
27	MC	10	19483	0.02	0.00	0.980	-8.27	1.10	0.293	0.14	1.17	0.280	
28	MC	2	9697	10.59	0.00	0.972	14.81	0.00	0.981	-0.10	0.00	0.991	
29	MC	10	19483	-0.09	0.02	0.902	-14.32	0.59	0.444	0.23	0.59	0.442	
30	MC	10	19483	0.68	0.98	0.321	3.99	1.06	0.303	-0.05	0.73	0.394	
31	MC	10	19483	-1.20	2.18	0.140	-6.24	0.87	0.350	0.07	0.59	0.441	
32	MC	10	19483	-1.62	2.31	0.128	-105.34	0.01	0.934	1.33	0.01	0.936	
33	MC	2	9697	9.97	0.00	0.973	15.78	0.00	0.984	-0.13	0.00	0.991	
34	MC	2	9697	-0.96	0.20	0.656	-28.66	0.00	0.964	0.43	0.00	0.963	
35	MC	2	9697	-0.63	0.12	0.731	-29.42	0.00	0.962	0.44	0.00	0.960	
36	MC	2	9697	10.74	0.00	0.952	14.07	0.00	0.983	-0.06	0.00	0.995	
37	MC	2	9697	-0.54	0.08	0.774	-28.99	0.00	0.962	0.44	0.00	0.960	
38	MC	8	9786	11.15	0.00	0.956	17.26	0.00	0.992	-0.10	0.00	0.997	
39	MC	8	9786	-1.72	2.55	0.110	-1.17	0.01	0.917	-0.01	0.00	0.960	
40	MC	8	9786	0.22	0.09	0.768	-38.33	1.23	0.268	0.62	1.24	0.266	
41	MC	8	9786	-1.34	1.55	0.214	5.20	0.48	0.488	-0.10	0.72	0.395	
42	MC	2	9697	11.40	0.00	0.945	15.46	0.00	0.979	-0.07	0.00	0.993	
43	MC	2	9697	0.17	0.01	0.917	-29.62	0.00	0.961	0.46	0.00	0.959	
44	MC	2	9697	11.44	0.01	0.943	16.33	0.00	0.979	-0.09	0.00	0.992	
45	MC	2	9697	0.14	0.01	0.929	-30.25	0.00	0.960	0.47	0.00	0.958	
46	MC	2	9697	11.90	0.00	0.944	15.76	0.00	0.979	-0.07	0.00	0.994	
47	SA1	2	9697	9.79	0.00	0.959	14.29	0.00	0.980	-0.09	0.00	0.992	
48	SA1	8	9786	-1.09	2.04	0.153	-5.04	0.36	0.550	0.06	0.22	0.635	
49	SA1	8	9786	0.20	0.03	0.859	-72.35	0.00	0.977	1.37	0.00	0.975	
50	SA1	2	9697	11.02	0.00	0.951	13.45	0.00	0.982	-0.04	0.00	0.996	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.213: 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
51	MC	1202	1861	0.44	32.28	0.000	0.36	1.10	0.295	0.00	0.06	0.808	Uniform>
52	MC	1202	1861	0.29	13.91	0.000	-0.40	1.25	0.264	0.01	3.90	0.048	Uniform>
53	MC	1202	1861	0.37	22.40	0.000	-0.40	1.25	0.264	0.01	4.86	0.028	Uniform>
54	MC	1338	1803	0.07	0.78	0.376	1.11	9.41	0.002	-0.02	8.66	0.003	NonUniform
55	MC	1202	1861	0.00	0.00	0.983	-0.19	0.26	0.609	0.00	0.28	0.597	
56	MC	1202	1861	0.22	7.53	0.006	0.64	2.85	0.091	-0.01	1.29	0.255	Uniform>
57	MC	1338	1803	0.06	0.58	0.445	0.75	5.40	0.020	-0.01	4.86	0.028	
58	MC	1202	1861	0.17	4.04	0.045	-0.14	0.18	0.669	0.01	0.95	0.330	
59	MC	1338	1803	0.37	22.65	0.000	-0.09	0.06	0.808	0.01	1.64	0.201	Uniform>
60	MC	1338	1803	0.12	2.51	0.113	-0.05	0.02	0.878	0.00	0.29	0.592	
61	MC	1202	1861	0.13	2.91	0.088	0.31	0.83	0.363	0.00	0.28	0.595	
62	MC	1202	1861	0.23	6.71	0.010	-0.24	0.32	0.569	0.01	1.35	0.245	Uniform>
63	MC	2540	3664	0.02	0.20	0.659	-0.24	0.87	0.350	0.00	1.12	0.290	
64	MC	1338	1803	0.14	3.22	0.073	-0.12	0.12	0.733	0.00	0.59	0.441	
65	MC	1338	1803	-0.24	9.86	0.002	0.66	3.69	0.055	-0.02	7.25	0.007	NonUniform
66	MC	1202	1861	-0.08	0.91	0.341	-1.07	6.30	0.012	0.02	5.65	0.017	
67	MC	1338	1803	0.12	2.30	0.129	-0.63	3.08	0.079	0.01	4.61	0.032	
68	MC	1338	1803	0.35	19.50	0.000	0.58	3.24	0.072	0.00	0.56	0.456	Uniform>
69	MC	1338	1803	-0.14	3.41	0.065	-0.06	0.04	0.849	0.00	0.07	0.790	
70	MC	1202	1861	-0.27	11.45	0.001	0.20	0.30	0.585	-0.01	1.71	0.191	Uniform<
71	MC	1338	1803	0.06	0.67	0.413	-0.25	0.51	0.475	0.01	0.83	0.361	
72	MC	1338	1803	-0.01	0.02	0.890	-0.85	4.77	0.029	0.02	4.87	0.027	
73	MC	1202	1861	-0.30	9.73	0.002	-0.72	2.72	0.099	0.01	1.00	0.318	Uniform<
74	MC	1338	1803	0.10	1.52	0.218	-0.38	1.43	0.232	0.01	2.39	0.122	
75	MC	2540	3664	0.16	9.06	0.003	-0.04	0.03	0.852	0.00	0.87	0.352	Uniform>
76	MC	1202	1861	-0.09	1.18	0.277	-0.16	0.17	0.680	0.00	0.04	0.851	
77	MC	2540	3664	-0.02	0.12	0.726	-0.27	1.13	0.287	0.00	1.02	0.312	
78	MC	1338	1803	0.18	3.95	0.047	0.56	2.41	0.120	-0.01	1.21	0.272	
79	MC	1338	1803	-0.02	0.05	0.828	0.58	2.55	0.110	-0.01	2.85	0.091	
80	MC	1202	1861	-0.12	2.04	0.153	0.35	0.87	0.351	-0.01	1.64	0.200	
81	MC	2540	3664	0.23	16.08	0.000	0.43	3.07	0.080	0.00	0.71	0.401	Uniform>
82	MC	1202	1861	-0.07	0.74	0.389	0.33	0.84	0.360	-0.01	1.31	0.252	
83	ER	1202	1861	0.33	21.10	0.000	-0.37	1.50	0.221	0.01	5.87	0.015	Uniform>
84	ER	1202	1861	0.45	36.62	0.000	-0.16	0.28	0.595	0.01	4.44	0.035	Uniform>
85	ER	1338	1803	0.46	40.86	0.000	0.07	0.05	0.816	0.01	2.04	0.153	Uniform>
86	ER	1338	1803	0.35	24.33	0.000	-0.18	0.37	0.545	0.01	3.51	0.061	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.214: 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
51	MC	2416	651	-0.08	0.65	0.418	0.30	0.56	0.456	-0.01	0.92	0.338	
52	MC	2416	651	-0.26	7.82	0.005	0.38	0.80	0.372	-0.01	2.42	0.120	Uniform<
53	MC	2416	651	-0.23	6.07	0.014	0.86	3.96	0.047	-0.02	6.69	0.010	NonUniform
54	MC	2439	703	-0.06	0.46	0.499	-0.53	1.65	0.198	0.01	1.34	0.247	
55	MC	2416	651	0.32	10.82	0.001	0.10	0.06	0.810	0.00	0.28	0.599	Uniform>
56	MC	2416	651	-0.08	0.63	0.428	-0.20	0.21	0.650	0.00	0.08	0.774	
57	MC	2439	703	-0.13	2.02	0.155	0.09	0.07	0.798	0.00	0.39	0.534	
58	MC	2416	651	0.24	5.66	0.017	1.88	20.56	0.000	-0.03	16.59	0.000	NonUniform
59	MC	2439	703	0.09	0.94	0.333	-0.57	1.87	0.171	0.01	2.64	0.104	
60	MC	2439	703	0.13	1.92	0.166	-0.40	1.19	0.275	0.01	2.18	0.140	
61	MC	2416	651	-0.29	9.41	0.002	-0.18	0.22	0.640	0.00	0.08	0.780	Uniform<
62	MC	2416	651	0.07	0.49	0.483	-0.26	0.32	0.571	0.01	0.56	0.456	
63	MC	4855	1354	0.12	3.47	0.062	0.20	0.47	0.492	0.00	0.07	0.785	
64	MC	2439	703	-0.12	1.70	0.193	-0.86	5.31	0.021	0.01	4.16	0.041	
65	MC	2439	703	-0.13	1.93	0.165	-0.52	1.87	0.171	0.01	1.14	0.287	
66	MC	2416	651	0.00	0.00	1.000	0.82	2.68	0.102	-0.02	2.80	0.095	
67	MC	2439	703	-0.27	8.57	0.003	-0.09	0.05	0.817	0.00	0.21	0.644	Uniform<
68	MC	2439	703	-0.08	0.81	0.368	-0.40	1.21	0.271	0.01	0.81	0.367	
69	MC	2439	703	-0.06	0.49	0.485	0.69	3.68	0.055	-0.01	4.66	0.031	
70	MC	2416	651	-0.40	17.01	0.000	0.52	1.33	0.249	-0.02	4.39	0.036	Uniform<
71	MC	2439	703	0.05	0.27	0.603	0.14	0.12	0.731	0.00	0.05	0.815	
72	MC	2439	703	0.17	3.10	0.078	-0.30	0.47	0.492	0.01	1.23	0.268	
73	MC	2416	651	-0.23	4.48	0.034	-0.66	2.12	0.145	0.01	0.95	0.329	
74	MC	2439	703	-0.60	38.66	0.000	-0.24	0.44	0.509	-0.01	1.02	0.312	Uniform<
75	MC	4855	1354	-0.24	13.91	0.000	-0.22	0.70	0.403	0.00	0.01	0.920	Uniform<
76	MC	2416	651	-0.20	4.52	0.034	0.53	1.38	0.241	-0.01	2.78	0.096	
77	MC	4855	1354	0.15	3.95	0.047	0.15	0.27	0.604	0.00	0.00	0.986	
78	MC	2439	703	0.14	1.83	0.176	-1.19	9.51	0.002	0.03	12.72	0.000	NonUniform
79	MC	2439	703	0.02	0.04	0.834	-0.74	3.43	0.064	0.02	3.84	0.050	
80	MC	2416	651	-0.08	0.59	0.441	0.18	0.18	0.673	0.00	0.38	0.537	
81	MC	4855	1354	-0.08	1.26	0.262	-0.61	4.97	0.026	0.01	4.06	0.044	
82	MC	2416	651	-0.25	6.59	0.010	1.15	7.32	0.007	-0.03	11.62	0.001	NonUniform
83	ER	2416	651	0.15	3.20	0.074	-0.11	0.11	0.742	0.01	0.67	0.415	
84	ER	2416	651	-0.04	0.19	0.667	0.34	1.04	0.309	-0.01	1.37	0.242	
85	ER	2439	703	-0.01	0.01	0.941	-0.12	0.14	0.710	0.00	0.13	0.714	
86	ER	2439	703	-0.16	3.40	0.065	-0.50	2.29	0.130	0.01	1.16	0.282	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.215: 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
51	MC	321	2746	0.00	0.00	0.999	-1.72	6.50	0.011	0.03	6.78	0.009	NonUniform
52	MC	321	2746	0.33	6.93	0.008	0.41	0.49	0.483	0.00	0.02	0.885	Uniform>
53	MC	321	2746	0.00	0.00	0.995	0.36	0.39	0.531	-0.01	0.41	0.522	
54	MC	288	2854	0.01	0.01	0.917	0.53	0.68	0.411	-0.01	0.66	0.415	
55	MC	321	2746	-0.38	8.42	0.004	-0.38	0.34	0.557	0.00	0.00	0.993	Uniform<
56	MC	321	2746	0.03	0.06	0.799	-0.46	0.48	0.487	0.01	0.57	0.448	
57	MC	288	2854	-0.23	2.83	0.092	-0.72	1.22	0.269	0.01	0.61	0.437	
58	MC	321	2746	-0.10	0.61	0.434	-0.97	2.66	0.103	0.02	2.22	0.136	
59	MC	288	2854	0.01	0.00	0.955	0.70	1.21	0.272	-0.01	1.22	0.268	
60	MC	288	2854	-0.17	1.62	0.204	0.80	1.89	0.169	-0.02	2.88	0.090	
61	MC	321	2746	-0.19	2.38	0.123	-0.51	0.72	0.397	0.01	0.29	0.588	
62	MC	321	2746	0.40	7.75	0.005	0.25	0.13	0.720	0.00	0.05	0.823	Uniform>
63	MC	609	5600	0.13	1.96	0.161	-0.07	0.03	0.874	0.00	0.21	0.648	
64	MC	288	2854	0.03	0.07	0.794	0.26	0.18	0.668	0.00	0.14	0.703	
65	MC	288	2854	0.33	6.42	0.011	-0.36	0.31	0.579	0.01	1.19	0.276	
66	MC	321	2746	-0.09	0.44	0.506	0.76	1.41	0.236	-0.02	1.81	0.179	
67	MC	288	2854	0.00	0.00	0.972	0.21	0.10	0.748	0.00	0.11	0.737	
68	MC	288	2854	-0.06	0.23	0.632	0.39	0.45	0.504	-0.01	0.64	0.424	
69	MC	288	2854	0.12	0.85	0.355	0.49	0.83	0.363	-0.01	0.51	0.475	
70	MC	321	2746	0.72	29.78	0.000	0.62	1.02	0.312	0.00	0.03	0.873	Uniform>
71	MC	288	2854	-0.21	2.43	0.119	-0.43	0.39	0.533	0.00	0.11	0.741	
72	MC	288	2854	0.15	1.16	0.282	0.01	0.00	0.991	0.00	0.04	0.841	
73	MC	321	2746	0.28	3.94	0.047	0.01	0.00	0.993	0.01	0.18	0.673	
74	MC	288	2854	0.60	17.64	0.000	-0.45	0.53	0.465	0.02	3.03	0.082	Uniform>
75	MC	609	5600	0.08	0.72	0.396	0.50	1.61	0.205	-0.01	1.21	0.272	
76	MC	321	2746	0.32	6.61	0.010	0.55	0.82	0.364	0.00	0.14	0.704	
77	MC	609	5600	-0.24	5.01	0.025	0.04	0.01	0.932	-0.01	0.38	0.540	
78	MC	288	2854	0.27	2.94	0.087	-0.26	0.14	0.704	0.01	0.62	0.430	
79	MC	288	2854	-0.06	0.16	0.689	-0.15	0.05	0.819	0.00	0.02	0.880	
80	MC	321	2746	0.01	0.00	0.947	-0.46	0.51	0.474	0.01	0.56	0.454	
81	MC	609	5600	-0.06	0.41	0.520	-0.36	0.66	0.417	0.01	0.48	0.488	
82	MC	321	2746	-0.06	0.19	0.659	-0.73	1.33	0.249	0.01	1.19	0.275	
83	ER	321	2746	0.08	0.47	0.493	1.79	13.54	0.000	-0.03	13.08	0.000	NonUniform
84	ER	321	2746	0.61	27.09	0.000	0.58	1.38	0.240	0.00	0.00	0.955	Uniform>
85	ER	288	2854	0.10	0.72	0.395	0.28	0.30	0.585	0.00	0.12	0.724	
86	ER	288	2854	0.10	0.64	0.423	0.21	0.16	0.689	0.00	0.05	0.825	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.216: 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
51	MC	603	2464	-0.25	6.74	0.009	0.55	1.23	0.267	-0.02	2.71	0.100	Uniform<
52	MC	603	2464	-0.32	10.50	0.001	0.46	0.83	0.362	-0.02	2.43	0.119	Uniform<
53	MC	603	2464	-0.34	12.22	0.000	-0.08	0.02	0.877	-0.01	0.26	0.610	Uniform<
54	MC	598	2544	-0.09	0.68	0.411	-0.35	0.43	0.511	0.01	0.26	0.613	
55	MC	603	2464	-0.31	9.66	0.002	0.38	0.52	0.472	-0.01	1.78	0.182	Uniform<
56	MC	603	2464	-0.16	2.70	0.100	-1.42	5.62	0.018	0.02	4.56	0.033	
57	MC	598	2544	-0.12	1.59	0.208	0.52	1.30	0.254	-0.01	2.09	0.148	
58	MC	603	2464	-0.82	72.35	0.000	-1.70	11.73	0.001	0.02	3.24	0.072	Uniform<
59	MC	598	2544	-0.30	8.75	0.003	-1.23	4.80	0.029	0.02	2.84	0.092	Uniform<
60	MC	598	2544	-0.22	4.73	0.030	-0.61	1.59	0.207	0.01	0.70	0.404	
61	MC	603	2464	-0.18	3.42	0.064	-0.05	0.01	0.914	0.00	0.06	0.800	
62	MC	603	2464	0.12	1.25	0.263	-0.66	1.26	0.261	0.02	1.80	0.179	
63	MC	1201	5008	-0.43	39.64	0.000	-0.91	5.95	0.015	0.01	1.69	0.194	Uniform<
64	MC	598	2544	0.11	1.19	0.275	0.23	0.25	0.618	0.00	0.08	0.783	
65	MC	598	2544	0.06	0.44	0.505	-0.59	1.44	0.231	0.01	1.84	0.175	
66	MC	603	2464	-0.01	0.02	0.889	0.95	3.04	0.081	-0.02	3.22	0.073	
67	MC	598	2544	-0.14	1.81	0.179	0.77	2.42	0.120	-0.02	3.52	0.061	
68	MC	598	2544	-0.54	32.10	0.000	-1.73	12.07	0.001	0.02	5.93	0.015	Uniform<
69	MC	598	2544	-0.12	1.59	0.207	-0.93	4.24	0.039	0.02	3.39	0.065	
70	MC	603	2464	0.07	0.48	0.491	0.17	0.11	0.737	0.00	0.04	0.833	
71	MC	598	2544	-0.57	30.64	0.000	-0.48	0.85	0.356	0.00	0.03	0.867	Uniform<
72	MC	598	2544	-0.09	0.66	0.417	1.48	8.73	0.003	-0.03	10.06	0.002	NonUniform
73	MC	603	2464	0.27	5.45	0.020	-0.12	0.04	0.849	0.01	0.41	0.520	
74	MC	598	2544	-0.22	5.11	0.024	0.39	0.82	0.365	-0.01	2.08	0.149	
75	MC	1201	5008	-0.22	9.38	0.002	-0.01	0.00	0.981	0.00	0.39	0.531	Uniform<
76	MC	603	2464	-0.08	0.66	0.417	0.45	0.70	0.403	-0.01	1.01	0.315	
77	MC	1201	5008	-0.33	15.58	0.000	0.20	0.28	0.599	-0.01	1.93	0.164	Uniform<
78	MC	598	2544	-0.36	12.76	0.000	-0.35	0.49	0.484	0.00	0.00	0.969	Uniform<
79	MC	598	2544	-0.11	1.21	0.271	-1.03	3.78	0.052	0.02	3.13	0.077	
80	MC	603	2464	0.04	0.19	0.664	0.33	0.38	0.537	-0.01	0.29	0.587	
81	MC	1201	5008	-0.43	39.86	0.000	-1.01	7.75	0.005	0.01	2.65	0.104	Uniform<
82	MC	603	2464	0.14	1.83	0.176	0.78	2.36	0.125	-0.01	1.65	0.199	
83	ER	603	2464	0.04	0.20	0.657	1.59	13.73	0.000	-0.03	13.60	0.000	NonUniform
84	ER	603	2464	-0.04	0.21	0.643	1.48	11.90	0.001	-0.03	13.08	0.000	NonUniform
85	ER	598	2544	0.02	0.05	0.826	1.08	7.27	0.007	-0.02	7.40	0.007	NonUniform
86	ER	598	2544	0.12	1.89	0.170	1.23	9.46	0.002	-0.02	8.11	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.217: 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
51	MC	1826	1241	0.02	0.07	0.790	0.11	0.10	0.748	0.00	0.07	0.789	
52	MC	1826	1241	-0.07	0.71	0.399	-0.35	1.00	0.317	0.01	0.69	0.406	
53	MC	1826	1241	-0.13	2.95	0.086	0.27	0.59	0.443	-0.01	1.39	0.238	
54	MC	1813	1329	-0.07	0.67	0.415	-0.52	2.09	0.149	0.01	1.68	0.195	
55	MC	1826	1241	0.15	3.61	0.058	-0.14	0.16	0.693	0.01	0.71	0.401	
56	MC	1826	1241	-0.03	0.10	0.748	0.36	0.89	0.345	-0.01	1.07	0.301	
57	MC	1813	1329	-0.03	0.21	0.647	-0.03	0.01	0.933	0.00	0.00	0.980	
58	MC	1826	1241	0.13	2.50	0.114	0.59	3.32	0.068	-0.01	2.14	0.144	
59	MC	1813	1329	0.08	1.06	0.304	-0.41	1.23	0.267	0.01	1.86	0.173	
60	MC	1813	1329	-0.01	0.02	0.902	0.15	0.22	0.639	0.00	0.26	0.608	
61	MC	1826	1241	-0.09	1.37	0.243	-0.33	1.01	0.315	0.00	0.57	0.452	
62	MC	1826	1241	-0.03	0.09	0.758	-0.54	1.84	0.175	0.01	1.75	0.186	
63	MC	3639	2570	0.01	0.07	0.798	0.20	0.67	0.413	0.00	0.61	0.435	
64	MC	1813	1329	-0.04	0.28	0.596	0.48	2.07	0.151	-0.01	2.57	0.109	
65	MC	1813	1329	-0.14	3.24	0.072	0.35	1.03	0.309	-0.01	2.14	0.144	
66	MC	1826	1241	-0.07	0.66	0.416	0.46	1.27	0.259	-0.01	1.74	0.187	
67	MC	1813	1329	-0.21	6.78	0.009	0.88	6.15	0.013	-0.02	9.89	0.002	NonUniform
68	MC	1813	1329	-0.03	0.11	0.745	0.03	0.01	0.918	0.00	0.03	0.852	
69	MC	1813	1329	-0.11	2.06	0.151	0.68	5.01	0.025	-0.01	7.13	0.008	NonUniform
70	MC	1826	1241	-0.34	18.07	0.000	0.26	0.50	0.481	-0.01	2.82	0.093	Uniform<
71	MC	1813	1329	-0.02	0.09	0.765	0.00	0.00	0.999	0.00	0.00	0.946	
72	MC	1813	1329	-0.04	0.26	0.607	-0.04	0.01	0.923	0.00	0.00	0.989	
73	MC	1826	1241	-0.51	31.46	0.000	0.29	0.51	0.474	-0.01	4.14	0.042	Uniform<
74	MC	1813	1329	-0.31	15.88	0.000	-0.07	0.05	0.831	0.00	0.66	0.416	Uniform<
75	MC	3639	2570	-0.06	1.17	0.280	-0.04	0.03	0.853	0.00	0.01	0.938	
76	MC	1826	1241	-0.14	3.26	0.071	0.53	2.04	0.153	-0.01	3.46	0.063	
77	MC	3639	2570	0.03	0.32	0.571	0.62	6.11	0.013	-0.01	5.81	0.016	
78	MC	1813	1329	0.04	0.23	0.633	-0.87	5.97	0.015	0.02	6.98	0.008	NonUniform
79	MC	1813	1329	-0.10	1.50	0.221	-0.58	2.61	0.106	0.01	1.88	0.170	
80	MC	1826	1241	-0.10	1.39	0.239	-0.08	0.05	0.818	0.00	0.00	0.970	
81	MC	3639	2570	-0.01	0.03	0.874	-0.31	1.64	0.200	0.01	1.64	0.201	
82	MC	1826	1241	-0.33	16.31	0.000	0.87	6.24	0.012	-0.02	12.59	0.000	NonUniform
83	ER	1826	1241	0.12	2.77	0.096	0.25	0.73	0.394	0.00	0.21	0.650	
84	ER	1826	1241	-0.09	1.63	0.201	0.55	3.71	0.054	-0.01	5.41	0.020	
85	ER	1813	1329	-0.07	0.98	0.323	0.86	9.13	0.003	-0.02	11.46	0.001	NonUniform
86	ER	1813	1329	-0.15	4.71	0.030	0.51	3.16	0.075	-0.01	5.70	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.218: 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
51	MC	1826	338	0.17	1.86	0.173	1.11	2.65	0.103	-0.02	1.98	0.159	
52	MC	1826	338	0.07	0.34	0.563	-0.15	0.06	0.813	0.00	0.13	0.723	
53	MC	1826	338	0.00	0.00	0.985	-0.31	0.24	0.621	0.01	0.25	0.617	
54	MC	1813	340	0.07	0.29	0.590	0.10	0.02	0.883	0.00	0.00	0.966	
55	MC	1826	338	0.25	3.83	0.050	1.28	3.13	0.077	-0.02	2.10	0.147	
56	MC	1826	338	0.21	2.64	0.104	2.03	6.42	0.011	-0.03	5.34	0.021	
57	MC	1813	340	0.31	5.56	0.018	0.99	2.31	0.128	-0.01	1.16	0.282	
58	MC	1826	338	0.45	12.18	0.000	1.34	4.28	0.038	-0.02	1.97	0.160	Uniform>
59	MC	1813	340	0.07	0.28	0.594	1.08	2.17	0.141	-0.02	1.97	0.160	
60	MC	1813	340	0.09	0.47	0.491	2.11	9.17	0.002	-0.04	8.87	0.003	NonUniform
61	MC	1826	338	0.07	0.28	0.594	-0.63	1.08	0.299	0.01	1.37	0.242	
62	MC	1826	338	-0.08	0.31	0.580	-0.53	0.52	0.473	0.01	0.39	0.532	
63	MC	3639	678	0.27	9.54	0.002	1.65	10.44	0.001	-0.03	7.53	0.006	NonUniform
64	MC	1813	340	0.09	0.54	0.461	0.23	0.14	0.704	0.00	0.05	0.817	
65	MC	1813	340	-0.23	3.40	0.065	1.63	5.53	0.019	-0.04	7.46	0.006	NonUniform
66	MC	1826	338	-0.10	0.67	0.413	0.14	0.04	0.846	0.00	0.12	0.730	
67	MC	1813	340	0.17	1.51	0.218	2.11	7.95	0.005	-0.03	7.15	0.008	NonUniform
68	MC	1813	340	0.18	2.17	0.140	1.71	6.54	0.011	-0.03	5.41	0.020	
69	MC	1813	340	-0.09	0.61	0.435	1.87	9.22	0.002	-0.04	10.65	0.001	NonUniform
70	MC	1826	338	-0.21	2.77	0.096	0.21	0.09	0.760	-0.01	0.39	0.535	
71	MC	1813	340	0.14	1.19	0.275	0.38	0.34	0.562	0.00	0.14	0.706	
72	MC	1813	340	-0.17	1.66	0.197	0.12	0.03	0.855	-0.01	0.19	0.661	
73	MC	1826	338	-0.53	14.58	0.000	-0.10	0.02	0.889	-0.01	0.42	0.514	Uniform<
74	MC	1813	340	-0.20	2.39	0.122	-0.39	0.46	0.498	0.00	0.12	0.731	
75	MC	3639	678	0.12	1.83	0.176	0.66	2.23	0.135	-0.01	1.55	0.212	
76	MC	1826	338	-0.12	0.91	0.341	0.05	0.01	0.943	0.00	0.07	0.796	
77	MC	3639	678	0.37	11.51	0.001	1.73	10.36	0.001	-0.03	6.89	0.009	NonUniform
78	MC	1813	340	0.07	0.21	0.645	-0.07	0.01	0.921	0.00	0.04	0.840	
79	MC	1813	340	-0.06	0.22	0.638	0.16	0.06	0.813	0.00	0.11	0.738	
80	MC	1826	338	-0.05	0.12	0.727	-0.10	0.02	0.880	0.00	0.01	0.934	
81	MC	3639	678	0.17	3.46	0.063	1.55	9.01	0.003	-0.03	7.39	0.007	NonUniform
82	MC	1826	338	-0.26	4.04	0.044	1.01	2.42	0.120	-0.02	4.05	0.044	
83	ER	1826	338	-0.12	1.00	0.317	-0.90	2.82	0.093	0.02	2.24	0.135	
84	ER	1826	338	-0.44	14.05	0.000	-0.94	3.03	0.082	0.01	0.91	0.340	Uniform<
85	ER	1813	340	-0.20	2.74	0.098	0.36	0.48	0.486	-0.01	1.20	0.274	
86	ER	1813	340	-0.32	7.39	0.007	0.18	0.11	0.735	-0.01	0.94	0.332	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.219: 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
51	MC	903	338	0.21	2.37	0.124	1.22	3.09	0.079	-0.02	2.22	0.136	
52	MC	903	338	0.19	2.07	0.150	0.26	0.16	0.689	0.00	0.01	0.913	
53	MC	903	338	0.18	1.82	0.177	-0.68	1.12	0.290	0.02	1.88	0.171	
54	MC	989	340	0.18	1.73	0.188	0.76	1.24	0.266	-0.01	0.75	0.387	
55	MC	903	338	0.14	1.04	0.308	1.71	5.40	0.020	-0.03	4.75	0.029	
56	MC	903	338	0.33	5.49	0.019	2.05	6.25	0.012	-0.03	4.57	0.033	
57	MC	989	340	0.46	10.95	0.001	1.21	3.41	0.065	-0.01	1.40	0.236	Uniform>
58	MC	903	338	0.47	10.98	0.001	0.89	1.78	0.182	-0.01	0.41	0.524	Uniform>
59	MC	989	340	-0.02	0.01	0.908	1.77	5.75	0.017	-0.03	6.11	0.013	
60	MC	989	340	0.13	0.97	0.325	2.31	10.73	0.001	-0.04	10.09	0.001	NonUniform
61	MC	903	338	0.22	2.66	0.103	-0.34	0.30	0.586	0.01	0.84	0.360	
62	MC	903	338	-0.08	0.26	0.607	0.00	0.00	0.998	0.00	0.01	0.916	
63	MC	1892	678	0.36	14.27	0.000	1.74	11.24	0.001	-0.03	7.34	0.007	NonUniform
64	MC	989	340	0.19	1.84	0.175	-0.29	0.22	0.640	0.01	0.61	0.436	
65	MC	989	340	-0.12	0.81	0.368	1.53	4.69	0.030	-0.03	5.69	0.017	
66	MC	903	338	-0.07	0.22	0.642	-0.42	0.30	0.582	0.01	0.22	0.636	
67	MC	989	340	0.51	12.46	0.000	1.47	3.74	0.053	-0.02	1.67	0.196	Uniform>
68	MC	989	340	0.29	4.61	0.032	1.98	8.58	0.003	-0.03	6.55	0.010	
69	MC	989	340	0.03	0.04	0.840	1.41	5.12	0.024	-0.03	5.19	0.023	
70	MC	903	338	0.19	1.90	0.168	-0.05	0.00	0.948	0.00	0.12	0.731	
71	MC	989	340	0.22	2.64	0.104	0.47	0.49	0.482	0.00	0.15	0.702	
72	MC	989	340	-0.17	1.51	0.219	0.18	0.07	0.798	-0.01	0.26	0.607	
73	MC	903	338	-0.05	0.10	0.755	-0.49	0.48	0.487	0.01	0.41	0.521	
74	MC	989	340	0.17	1.46	0.228	-0.40	0.47	0.494	0.01	1.00	0.318	
75	MC	1892	678	0.25	6.48	0.011	0.86	3.64	0.056	-0.01	1.95	0.162	
76	MC	903	338	0.02	0.02	0.876	-0.60	0.76	0.382	0.01	0.85	0.356	
77	MC	1892	678	0.44	14.91	0.000	1.33	5.94	0.015	-0.02	2.81	0.094	Uniform>
78	MC	989	340	0.01	0.00	0.968	0.96	2.02	0.156	-0.02	2.09	0.149	
79	MC	989	340	0.05	0.11	0.742	0.90	1.70	0.192	-0.02	1.60	0.206	
80	MC	903	338	0.07	0.24	0.622	-0.01	0.00	0.993	0.00	0.01	0.909	
81	MC	1892	678	0.24	6.05	0.014	2.20	17.72	0.000	-0.04	14.62	0.000	NonUniform
82	MC	903	338	0.09	0.38	0.538	0.18	0.08	0.782	0.00	0.02	0.880	
83	ER	903	338	-0.29	5.51	0.019	-1.26	5.14	0.023	0.02	3.20	0.074	
84	ER	903	338	-0.44	12.23	0.000	-1.70	9.34	0.002	0.02	5.43	0.020	Uniform<
85	ER	989	340	-0.14	1.23	0.268	-0.62	1.36	0.244	0.01	0.86	0.354	
86	ER	989	340	-0.19	2.40	0.121	-0.40	0.57	0.451	0.00	0.16	0.686	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.220: 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
51	MC	75	338	-0.03	0.01	0.911	0.78	0.32	0.570	-0.02	0.36	0.548	
52	MC	75	338	0.13	0.23	0.635	0.23	0.03	0.863	0.00	0.01	0.940	
53	MC	75	338	-0.45	2.52	0.113	-0.60	0.18	0.670	0.00	0.01	0.916	
54	MC	33	340	0.38	0.93	0.334	-3.82	1.51	0.219	0.08	1.87	0.172	
55	MC	75	338	-0.41	1.69	0.194	0.83	0.27	0.605	-0.02	0.61	0.433	
56	MC	75	338	0.12	0.16	0.691	2.15	2.09	0.148	-0.04	1.92	0.166	
57	MC	33	340	0.13	0.10	0.748	-4.92	2.33	0.127	0.09	2.53	0.112	
58	MC	75	338	0.39	1.82	0.177	-1.10	0.62	0.432	0.03	1.18	0.278	
59	MC	33	340	-0.02	0.00	0.957	0.58	0.05	0.821	-0.01	0.06	0.813	
60	MC	33	340	-0.62	1.85	0.174	1.88	0.51	0.474	-0.05	0.90	0.342	
61	MC	75	338	-0.23	0.71	0.399	-2.53	2.83	0.092	0.05	2.46	0.117	
62	MC	75	338	0.03	0.01	0.931	-1.45	0.81	0.369	0.03	0.86	0.353	
63	MC	108	678	0.36	2.47	0.116	0.99	0.67	0.411	-0.01	0.29	0.592	
64	MC	33	340	-0.38	0.77	0.380	-5.36	2.69	0.101	0.09	2.45	0.118	
65	MC	33	340	-0.19	0.25	0.617	0.80	0.11	0.745	-0.02	0.17	0.682	
66	MC	75	338	-0.20	0.49	0.483	0.80	0.32	0.574	-0.02	0.51	0.476	
67	MC	33	340	-0.33	0.46	0.496	-2.89	0.71	0.399	0.05	0.58	0.445	
68	MC	33	340	-0.46	1.42	0.234	0.19	0.01	0.939	-0.01	0.07	0.790	
69	MC	33	340	-0.42	1.18	0.278	-4.12	1.77	0.184	0.07	1.45	0.229	
70	MC	75	338	0.58	4.16	0.041	0.32	0.06	0.814	0.01	0.04	0.842	
71	MC	33	340	0.10	0.06	0.804	-0.23	0.01	0.926	0.01	0.02	0.894	
72	MC	33	340	-0.28	0.44	0.508	1.85	0.61	0.436	-0.04	0.81	0.369	
73	MC	75	338	-0.26	0.64	0.423	-0.36	0.05	0.820	0.00	0.00	0.951	
74	MC	33	340	1.53	7.74	0.005	0.11	0.00	0.969	0.03	0.26	0.609	Uniform>
75	MC	108	678	-0.10	0.19	0.665	2.54	5.94	0.015	-0.05	6.50	0.011	
76	MC	75	338	-0.03	0.01	0.925	0.67	0.26	0.611	-0.01	0.29	0.590	
77	MC	108	678	0.27	1.04	0.308	1.72	1.95	0.162	-0.03	1.41	0.235	
78	MC	33	340	-0.27	0.44	0.508	1.90	0.74	0.391	-0.04	0.99	0.319	
79	MC	33	340	0.20	0.24	0.627	-1.48	0.23	0.635	0.03	0.29	0.589	
80	MC	75	338	-0.16	0.28	0.600	-0.70	0.21	0.643	0.01	0.13	0.714	
81	MC	108	678	0.06	0.08	0.779	1.05	0.78	0.378	-0.02	0.71	0.399	
82	MC	75	338	0.00	0.00	0.987	-0.89	0.35	0.553	0.02	0.37	0.541	
83	ER	75	338	0.30	1.39	0.238	2.11	3.73	0.054	-0.04	2.93	0.087	
84	ER	75	338	0.18	0.48	0.486	0.46	0.19	0.666	-0.01	0.07	0.786	
85	ER	33	340	0.21	0.31	0.575	4.17	4.26	0.039	-0.08	4.01	0.045	
86	ER	33	340	0.00	0.00	0.989	4.52	5.25	0.022	-0.09	5.38	0.020	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.221: 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
51	MC	6632	3067	-0.01	0.06	0.807	-0.93	12.64	0.000	0.02	12.88	0.000	NonUniform
52	MC	6632	3067	-0.14	6.81	0.009	-1.55	32.81	0.000	0.02	28.40	0.000	NonUniform
53	MC	6632	3067	-0.05	0.68	0.409	-2.04	54.74	0.000	0.03	55.01	0.000	NonUniform
54	MC	6652	3142	0.01	0.04	0.836	0.49	3.39	0.065	-0.01	3.38	0.066	
55	MC	6632	3067	-0.14	7.02	0.008	-1.26	22.54	0.000	0.02	18.59	0.000	NonUniform
56	MC	6632	3067	0.14	6.01	0.014	-1.17	16.59	0.000	0.02	21.56	0.000	NonUniform
57	MC	6652	3142	-0.12	5.39	0.020	-1.62	38.58	0.000	0.02	34.51	0.000	NonUniform
58	MC	6632	3067	0.04	0.42	0.517	-0.73	6.31	0.012	0.01	7.45	0.006	NonUniform
59	MC	6652	3142	0.06	1.11	0.292	-1.06	13.71	0.000	0.02	15.89	0.000	NonUniform
60	MC	6652	3142	-0.12	4.85	0.028	-2.27	71.67	0.000	0.04	67.68	0.000	NonUniform
61	MC	6632	3067	-0.10	3.20	0.073	-0.36	1.94	0.164	0.00	1.08	0.300	
62	MC	6632	3067	0.59	61.76	0.000	-1.17	8.79	0.003	0.03	20.61	0.000	NonUniform
63	MC	13284	6209	0.28	46.59	0.000	-2.17	101.85	0.000	0.04	135.86	0.000	NonUniform
64	MC	6652	3142	-0.07	1.81	0.178	-1.49	31.10	0.000	0.02	29.49	0.000	NonUniform
65	MC	6652	3142	0.18	10.41	0.001	-0.28	1.04	0.309	0.01	2.89	0.089	Uniform>
66	MC	6632	3067	0.34	36.82	0.000	-1.33	18.43	0.000	0.03	30.34	0.000	NonUniform
67	MC	6652	3142	-0.08	1.97	0.160	-2.85	99.06	0.000	0.05	98.35	0.000	NonUniform
68	MC	6652	3142	0.07	1.33	0.249	-0.73	6.66	0.010	0.01	8.34	0.004	NonUniform
69	MC	6652	3142	-0.06	1.49	0.223	-0.76	9.44	0.002	0.01	8.30	0.004	NonUniform
70	MC	6632	3067	0.54	79.90	0.000	-1.09	12.24	0.000	0.03	28.31	0.000	NonUniform
71	MC	6652	3142	-0.16	8.40	0.004	-2.07	51.83	0.000	0.03	46.20	0.000	NonUniform
72	MC	6652	3142	0.29	27.58	0.000	-0.50	3.10	0.079	0.01	7.98	0.005	NonUniform
73	MC	6632	3067	0.41	48.58	0.000	-1.99	46.62	0.000	0.04	70.29	0.000	NonUniform
74	MC	6652	3142	0.28	22.48	0.000	0.85	9.43	0.002	-0.01	4.47	0.035	Uniform>
75	MC	13284	6209	-0.17	19.20	0.000	-1.36	56.98	0.000	0.02	46.07	0.000	NonUniform
76	MC	6632	3067	0.43	63.53	0.000	-1.06	14.31	0.000	0.03	29.48	0.000	NonUniform
77	MC	13284	6209	-0.32	57.36	0.000	-5.50	628.18	0.000	0.08	590.15	0.000	NonUniform
78	MC	6652	3142	0.22	8.56	0.003	-1.10	8.80	0.003	0.02	13.20	0.000	NonUniform
79	MC	6652	3142	0.44	43.19	0.000	-0.51	2.19	0.139	0.02	7.86	0.005	NonUniform
80	MC	6632	3067	-0.05	0.99	0.319	-0.39	2.18	0.140	0.01	1.69	0.194	
81	MC	13284	6209	0.19	20.19	0.000	0.21	1.01	0.316	0.00	0.01	0.941	Uniform>
82	MC	6632	3067	-0.07	1.38	0.239	-2.76	103.03	0.000	0.05	103.19	0.000	NonUniform
83	ER	6632	3067	0.37	53.61	0.000	1.19	24.85	0.000	-0.01	12.30	0.000	NonUniform
84	ER	6632	3067	0.56	114.99	0.000	1.37	32.31	0.000	-0.01	11.90	0.001	NonUniform
85	ER	6652	3142	0.39	56.14	0.000	1.59	39.01	0.000	-0.02	23.09	0.000	NonUniform
86	ER	6652	3142	0.43	67.34	0.000	1.36	28.65	0.000	-0.02	14.03	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.222: 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
51	MC	2	9697	-0.54	0.10	0.750	-30.16	0.00	0.961	0.46	0.00	0.959	
52	MC	2	9697	-0.53	0.09	0.762	-29.68	0.00	0.961	0.45	0.00	0.960	
53	MC	2	9697	-0.66	0.13	0.719	-29.48	0.00	0.962	0.44	0.00	0.961	
54	MC	8	9786	-0.15	0.04	0.844	-1.18	0.03	0.866	0.02	0.02	0.882	
55	MC	2	9697	-0.17	0.01	0.921	-29.69	0.00	0.960	0.45	0.00	0.958	
56	MC	2	9697	-0.75	0.14	0.704	-29.01	0.00	0.963	0.43	0.00	0.962	
57	MC	8	9786	0.82	1.22	0.270	5.33	0.71	0.401	-0.07	0.52	0.469	
58	MC	2	9697	-1.75	1.11	0.291	-32.20	0.00	0.966	0.46	0.00	0.962	
59	MC	8	9786	0.92	1.17	0.280	-10.32	0.45	0.502	0.18	0.56	0.456	
60	MC	8	9786	-0.36	0.23	0.631	-0.91	0.02	0.896	0.01	0.01	0.936	
61	MC	2	9697	10.83	0.00	0.952	13.87	0.00	0.982	-0.05	0.00	0.996	
62	MC	2	9697	-2.66	0.97	0.324	-31.03	0.00	0.979	0.42	0.00	0.976	
63	MC	10	19483	-0.54	0.59	0.444	-10.47	0.61	0.435	0.16	0.57	0.452	
64	MC	8	9786	0.25	0.12	0.724	1.06	0.03	0.855	-0.01	0.02	0.889	
65	MC	8	9786	-0.06	0.01	0.931	11.48	1.35	0.246	-0.18	1.44	0.230	
66	MC	2	9697	11.20	0.00	0.945	16.51	0.00	0.979	-0.10	0.00	0.992	
67	MC	8	9786	0.93	1.52	0.217	-22.95	0.72	0.395	0.38	0.78	0.376	
68	MC	8	9786	0.14	0.03	0.867	-41.67	0.75	0.386	0.68	0.75	0.386	
69	MC	8	9786	0.96	1.35	0.245	4.83	0.44	0.506	-0.06	0.30	0.586	
70	MC	2	9697	-1.62	0.55	0.459	-27.58	0.00	0.956	0.40	0.00	0.954	
71	MC	8	9786	-0.22	0.09	0.761	-37.41	1.27	0.261	0.59	1.25	0.263	
72	MC	8	9786	-0.43	0.34	0.562	-2.83	0.10	0.748	0.04	0.08	0.784	
73	MC	2	9697	-11.31	0.00	0.949	-6.84	0.00	0.991	-0.06	0.00	0.995	
74	MC	8	9786	0.07	0.01	0.935	-42.42	0.78	0.378	0.69	0.78	0.378	
75	MC	10	19483	-0.43	0.37	0.543	0.05	0.00	0.989	-0.01	0.02	0.897	
76	MC	2	9697	-0.66	0.12	0.733	-28.93	0.00	0.962	0.43	0.00	0.961	
77	MC	10	19483	1.42	4.44	0.035	-1.35	0.08	0.775	0.05	0.35	0.553	
78	MC	8	9786	0.16	0.02	0.887	-72.07	0.00	0.978	1.36	0.00	0.976	
79	MC	8	9786	0.60	0.29	0.593	-69.67	0.00	0.973	1.33	0.00	0.971	
80	MC	2	9697	-11.10	0.00	0.952	-8.37	0.00	0.989	-0.04	0.00	0.997	
81	MC	10	19483	1.18	1.18	0.277	-23.63	0.00	0.944	0.55	0.00	0.944	
82	MC	2	9697	0.44	0.08	0.784	-30.01	0.00	0.962	0.47	0.00	0.960	
83	ER	2	9697	-1.20	0.78	0.377	-24.82	0.01	0.936	0.30	0.01	0.933	
84	ER	2	9697	-1.02	0.57	0.452	-4.18	1.00	0.317	0.05	0.70	0.404	
85	ER	8	9786	0.77	1.09	0.295	10.65	3.33	0.068	-0.16	2.99	0.084	
86	ER	8	9786	-1.44	4.37	0.037	-0.35	0.00	0.946	-0.02	0.05	0.828	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.223: 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
87	MC	2540	3664	-0.06	0.99	0.319	-0.11	0.20	0.659	0.00	0.04	0.837	
88	MC	1338	1803	-0.18	4.62	0.032	-0.24	0.39	0.531	0.00	0.03	0.870	
89	MC	1338	1803	0.19	4.42	0.035	0.55	2.77	0.096	-0.01	1.31	0.252	
90	MC	1202	1861	-0.10	1.26	0.261	-0.11	0.09	0.767	0.00	0.00	0.984	
91	MC	1338	1803	-0.14	3.02	0.082	0.15	0.19	0.662	-0.01	0.75	0.385	
92	MC	2540	3664	-0.05	0.66	0.418	0.17	0.50	0.480	0.00	0.91	0.340	
93	MC	1338	1803	0.06	0.33	0.564	-0.29	0.59	0.441	0.01	0.97	0.324	
94	MC	1202	1861	-0.14	3.06	0.080	0.43	1.53	0.216	-0.01	2.87	0.090	
95	MC	1202	1861	-0.36	21.62	0.000	0.40	1.51	0.220	-0.01	5.70	0.017	Uniform<
96	MC	1202	1861	-0.03	0.16	0.691	0.23	0.47	0.494	0.00	0.64	0.425	
97	MC	1202	1861	0.02	0.09	0.762	0.02	0.01	0.942	0.00	0.00	0.998	
98	MC	1202	1861	-0.28	11.48	0.001	-0.17	0.23	0.635	0.00	0.10	0.750	Uniform<
99	MC	1338	1803	-0.27	10.58	0.001	-0.25	0.54	0.464	0.00	0.00	0.944	Uniform<
100	MC	1338	1803	0.07	0.79	0.375	0.26	0.73	0.394	0.00	0.43	0.510	
101	MC	1202	1861	-0.01	0.03	0.857	-0.85	6.54	0.011	0.02	6.71	0.010	NonUniform
102	MC	1202	1861	0.19	3.73	0.054	0.22	0.39	0.532	0.00	0.01	0.911	
103	MC	1202	1861	0.14	3.50	0.061	-0.05	0.02	0.882	0.00	0.35	0.555	
104	MC	1338	1803	-0.07	0.90	0.344	0.46	2.18	0.139	-0.01	3.09	0.079	
105	MC	1338	1803	0.01	0.03	0.862	0.17	0.25	0.617	0.00	0.22	0.636	
106	MC	1202	1861	-0.28	11.24	0.001	-0.27	0.61	0.434	0.00	0.00	0.957	Uniform<
107	MC	2540	3664	-0.14	6.71	0.010	-0.26	1.29	0.257	0.00	0.29	0.592	Uniform<
108	MC	1338	1803	0.09	1.05	0.305	-0.09	0.07	0.794	0.00	0.29	0.593	
109	MC	1338	1803	0.05	0.35	0.554	0.22	0.43	0.514	0.00	0.28	0.596	
110	MC	1338	1803	-0.11	1.87	0.171	0.30	0.81	0.369	-0.01	1.63	0.202	
111	MC	1202	1861	-0.04	0.26	0.612	-0.13	0.15	0.696	0.00	0.08	0.778	

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.

Table 10.224: 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
87	MC	4855	1354	0.00	0.00	0.944	-0.91	11.48	0.001	0.02	12.49	0.000	NonUniform
88	MC	2439	703	0.29	7.46	0.006	0.40	0.74	0.389	0.00	0.06	0.800	Uniform>
89	MC	2439	703	0.03	0.10	0.755	0.22	0.34	0.561	0.00	0.27	0.606	
90	MC	2416	651	0.04	0.17	0.679	-0.20	0.24	0.627	0.01	0.38	0.540	
91	MC	2439	703	-0.08	0.81	0.369	0.40	1.02	0.313	-0.01	1.58	0.209	
92	MC	4855	1354	0.01	0.01	0.917	-0.11	0.16	0.690	0.00	0.20	0.657	
93	MC	2439	703	0.15	1.46	0.227	0.10	0.05	0.816	0.00	0.02	0.889	
94	MC	2416	651	0.37	12.69	0.000	0.48	1.29	0.255	0.00	0.08	0.782	Uniform>
95	MC	2416	651	-0.18	3.75	0.053	-1.07	9.06	0.003	0.02	6.75	0.009	NonUniform
96	MC	2416	651	0.25	7.15	0.008	0.81	4.15	0.042	-0.01	2.13	0.144	Uniform>
97	MC	2416	651	0.36	15.13	0.000	-0.21	0.32	0.571	0.01	2.48	0.115	Uniform>
98	MC	2416	651	-0.23	5.38	0.020	-1.00	6.75	0.009	0.02	4.32	0.038	
99	MC	2439	703	0.08	0.59	0.443	0.67	2.77	0.096	-0.01	2.32	0.128	
100	MC	2439	703	-0.13	2.23	0.135	-0.65	3.54	0.060	0.01	2.40	0.121	
101	MC	2416	651	0.03	0.10	0.752	-0.75	4.38	0.036	0.02	5.02	0.025	
102	MC	2416	651	0.01	0.01	0.914	0.06	0.03	0.873	0.00	0.02	0.892	
103	MC	2416	651	0.19	4.04	0.044	0.59	2.18	0.140	-0.01	1.08	0.299	
104	MC	2439	703	-0.10	1.25	0.264	-0.06	0.03	0.871	0.00	0.01	0.904	
105	MC	2439	703	0.04	0.18	0.671	0.34	0.72	0.397	-0.01	0.60	0.440	
106	MC	2416	651	-0.01	0.02	0.895	-0.04	0.01	0.910	0.00	0.01	0.935	
107	MC	4855	1354	-0.02	0.08	0.771	-0.13	0.24	0.627	0.00	0.18	0.670	
108	MC	2439	703	-0.07	0.46	0.499	0.06	0.02	0.885	0.00	0.11	0.743	
109	MC	2439	703	0.07	0.56	0.454	-0.94	6.15	0.013	0.02	7.49	0.006	NonUniform
110	MC	2439	703	0.03	0.08	0.779	0.51	1.70	0.192	-0.01	1.62	0.203	
111	MC	2416	651	-0.45	23.61	0.000	0.17	0.19	0.662	-0.01	2.73	0.098	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.225: 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
87	MC	609	5600	0.10	0.99	0.319	0.81	3.98	0.046	-0.01	3.28	0.070	
88	MC	288	2854	-0.33	4.73	0.030	-0.41	0.27	0.603	0.00	0.01	0.926	
89	MC	288	2854	-0.03	0.06	0.814	-1.08	2.77	0.096	0.02	2.72	0.099	
90	MC	321	2746	-0.09	0.43	0.513	0.91	2.52	0.112	-0.02	3.25	0.072	
91	MC	288	2854	-0.02	0.01	0.908	0.41	0.47	0.495	-0.01	0.53	0.468	
92	MC	609	5600	0.24	4.97	0.026	0.49	1.29	0.256	-0.01	0.35	0.554	
93	MC	288	2854	0.19	0.84	0.360	1.18	2.84	0.092	-0.02	2.29	0.130	
94	MC	321	2746	-0.32	5.43	0.020	-1.19	3.21	0.073	0.02	1.81	0.178	
95	MC	321	2746	0.28	5.49	0.019	1.85	13.24	0.000	-0.03	10.08	0.001	NonUniform
96	MC	321	2746	-0.36	8.60	0.003	-0.27	0.23	0.632	0.00	0.02	0.875	Uniform<
97	MC	321	2746	-0.38	9.50	0.002	-0.07	0.02	0.901	-0.01	0.32	0.574	Uniform<
98	MC	321	2746	0.11	0.70	0.402	1.42	6.84	0.009	-0.03	6.22	0.013	
99	MC	288	2854	0.13	0.75	0.386	-0.01	0.00	0.988	0.00	0.05	0.824	
100	MC	288	2854	-0.25	3.93	0.047	-1.04	2.73	0.099	0.01	1.64	0.200	
101	MC	321	2746	0.22	3.21	0.073	-0.01	0.00	0.980	0.00	0.19	0.664	
102	MC	321	2746	-0.15	1.06	0.304	-0.07	0.01	0.908	0.00	0.02	0.891	
103	MC	321	2746	-0.17	1.84	0.174	-0.88	2.09	0.149	0.01	1.43	0.231	
104	MC	288	2854	-0.01	0.00	0.960	0.83	2.28	0.131	-0.02	2.44	0.119	
105	MC	288	2854	-0.32	5.83	0.016	0.16	0.06	0.800	-0.01	0.59	0.441	
106	MC	321	2746	0.02	0.04	0.851	-0.02	0.00	0.971	0.00	0.01	0.934	
107	MC	609	5600	-0.26	8.59	0.003	-0.08	0.04	0.841	0.00	0.21	0.647	Uniform<
108	MC	288	2854	0.19	1.60	0.205	-0.18	0.07	0.785	0.01	0.34	0.559	
109	MC	288	2854	-0.50	11.14	0.001	-2.30	7.45	0.006	0.03	4.89	0.027	Uniform<
110	MC	288	2854	-0.25	3.44	0.064	0.04	0.01	0.942	-0.01	0.26	0.611	
111	MC	321	2746	0.06	0.23	0.629	-0.06	0.01	0.913	0.00	0.05	0.826	

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.

Table 10.226: 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
87	MC	1201	5008	-0.09	1.73	0.189	0.05	0.02	0.875	0.00	0.19	0.661	
88	MC	598	2544	0.15	1.81	0.179	1.27	6.27	0.012	-0.02	5.07	0.024	
89	MC	598	2544	-0.33	10.24	0.001	-0.39	0.74	0.391	0.00	0.02	0.881	Uniform<
90	MC	603	2464	0.08	0.58	0.447	-1.23	4.98	0.026	0.03	5.82	0.016	
91	MC	598	2544	-0.24	6.27	0.012	-0.75	2.43	0.119	0.01	1.17	0.279	
92	MC	1201	5008	0.18	5.39	0.020	0.25	0.51	0.475	0.00	0.04	0.839	
93	MC	598	2544	-0.22	2.82	0.093	-0.94	3.06	0.080	0.02	1.91	0.167	
94	MC	603	2464	-0.33	9.55	0.002	-1.60	7.48	0.006	0.03	4.96	0.026	Uniform<
95	MC	603	2464	0.01	0.01	0.913	0.36	0.60	0.440	-0.01	0.59	0.444	
96	MC	603	2464	-0.34	12.89	0.000	-0.17	0.12	0.730	0.00	0.13	0.721	Uniform<
97	MC	603	2464	-0.29	9.18	0.002	-0.78	2.45	0.117	0.01	1.02	0.312	Uniform<
98	MC	603	2464	-0.01	0.02	0.890	1.40	8.84	0.003	-0.03	9.43	0.002	NonUniform
99	MC	598	2544	0.45	17.55	0.000	1.18	6.41	0.011	-0.02	2.64	0.104	Uniform>
100	MC	598	2544	-0.12	1.68	0.195	-0.95	4.19	0.041	0.02	3.33	0.068	
101	MC	603	2464	0.40	18.07	0.000	1.48	10.57	0.001	-0.02	5.88	0.015	Uniform>
102	MC	603	2464	-0.28	6.84	0.009	-1.55	8.49	0.004	0.03	5.88	0.015	Uniform<
103	MC	603	2464	0.04	0.16	0.686	-0.36	0.51	0.475	0.01	0.65	0.419	
104	MC	598	2544	-0.17	3.16	0.075	-0.04	0.01	0.927	0.00	0.09	0.768	
105	MC	598	2544	-0.36	13.80	0.000	-0.95	3.48	0.062	0.01	1.38	0.240	Uniform<
106	MC	603	2464	0.12	1.31	0.253	1.03	4.57	0.033	-0.02	3.78	0.052	
107	MC	1201	5008	-0.30	20.72	0.000	-0.46	1.90	0.168	0.00	0.22	0.637	Uniform<
108	MC	598	2544	-0.12	1.43	0.232	0.69	2.22	0.136	-0.02	3.26	0.071	
109	MC	598	2544	-0.06	0.31	0.580	0.44	0.86	0.354	-0.01	1.14	0.285	
110	MC	598	2544	0.03	0.08	0.772	-0.18	0.15	0.694	0.00	0.22	0.642	
111	MC	603	2464	-0.13	1.76	0.184	0.28	0.34	0.559	-0.01	0.75	0.388	

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 10.227: 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
87	MC	3639	2570	-0.08	1.73	0.188	-0.76	10.16	0.001	0.01	8.74	0.003	NonUniform
88	MC	1813	1329	0.10	1.42	0.233	0.98	6.48	0.011	-0.02	5.50	0.019	
89	MC	1813	1329	0.06	0.54	0.463	-0.13	0.15	0.695	0.00	0.37	0.542	
90	MC	1826	1241	0.11	1.64	0.200	-0.28	0.64	0.424	0.01	1.34	0.247	
91	MC	1813	1329	-0.07	0.77	0.380	-0.11	0.10	0.751	0.00	0.01	0.911	
92	MC	3639	2570	0.05	0.68	0.408	-0.32	1.84	0.175	0.01	2.67	0.102	
93	MC	1813	1329	0.03	0.09	0.770	-0.59	2.50	0.114	0.01	3.07	0.080	
94	MC	1826	1241	0.31	14.17	0.000	0.00	0.00	0.999	0.01	0.87	0.352	Uniform>
95	MC	1826	1241	0.00	0.00	0.970	-0.59	3.55	0.059	0.01	3.81	0.051	
96	MC	1826	1241	0.21	7.23	0.007	1.18	12.68	0.000	-0.02	9.16	0.002	NonUniform
97	MC	1826	1241	0.25	9.93	0.002	0.41	1.55	0.213	0.00	0.26	0.609	Uniform>
98	MC	1826	1241	-0.10	1.42	0.234	-0.35	1.05	0.305	0.01	0.58	0.445	
99	MC	1813	1329	-0.08	0.86	0.354	-0.32	0.91	0.340	0.00	0.56	0.456	
100	MC	1813	1329	-0.18	6.14	0.013	-0.50	2.62	0.105	0.01	1.10	0.294	
101	MC	1826	1241	0.06	0.73	0.394	-0.69	4.84	0.028	0.01	6.14	0.013	
102	MC	1826	1241	0.11	1.33	0.248	0.02	0.00	0.948	0.00	0.07	0.797	
103	MC	1826	1241	0.14	3.18	0.075	0.35	1.14	0.285	0.00	0.45	0.501	
104	MC	1813	1329	-0.07	0.91	0.340	-0.28	0.83	0.362	0.00	0.49	0.484	
105	MC	1813	1329	0.04	0.21	0.648	-0.26	0.58	0.446	0.01	0.79	0.374	
106	MC	1826	1241	-0.13	2.51	0.113	0.39	1.41	0.236	-0.01	2.70	0.100	
107	MC	3639	2570	-0.02	0.13	0.716	-0.34	2.38	0.123	0.01	2.25	0.134	
108	MC	1813	1329	0.02	0.05	0.816	-0.65	3.51	0.061	0.01	3.99	0.046	
109	MC	1813	1329	-0.03	0.11	0.737	-0.55	2.59	0.108	0.01	2.48	0.115	
110	MC	1813	1329	-0.09	1.31	0.252	0.46	1.93	0.165	-0.01	2.98	0.084	
111	MC	1826	1241	-0.36	22.54	0.000	-0.50	2.41	0.121	0.00	0.19	0.663	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 the test form as all items on 2 forms were concurrently analyzed.

Table 10.228: 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
87	MC	3639	678	-0.18	3.56	0.059	-0.94	4.37	0.037	0.02	2.98	0.084	
88	MC	1813	340	0.11	0.67	0.414	0.92	1.68	0.195	-0.01	1.36	0.244	
89	MC	1813	340	0.21	2.20	0.138	-0.30	0.24	0.621	0.01	0.75	0.388	
90	MC	1826	338	0.14	0.99	0.319	-0.45	0.45	0.501	0.01	0.81	0.368	
91	MC	1813	340	-0.11	0.70	0.404	-0.02	0.00	0.972	0.00	0.02	0.887	
92	MC	3639	678	-0.06	0.31	0.581	-1.35	8.88	0.003	0.03	8.75	0.003	NonUniform
93	MC	1813	340	0.02	0.01	0.915	-1.88	6.58	0.010	0.04	7.57	0.006	NonUniform
94	MC	1826	338	0.42	9.24	0.002	1.86	6.53	0.011	-0.03	4.14	0.042	Uniform>
95	MC	1826	338	0.05	0.15	0.701	-0.15	0.06	0.809	0.00	0.11	0.744	
96	MC	1826	338	0.40	10.66	0.001	1.59	5.95	0.015	-0.02	3.48	0.062	Uniform>
97	MC	1826	338	0.35	8.25	0.004	0.41	0.45	0.504	0.00	0.01	0.919	Uniform>
98	MC	1826	338	0.07	0.32	0.571	-0.77	1.57	0.211	0.02	1.95	0.162	
99	MC	1813	340	-0.45	9.52	0.002	-1.42	5.29	0.021	0.02	2.64	0.104	Uniform<
100	MC	1813	340	-0.21	3.13	0.077	-0.62	1.26	0.261	0.01	0.57	0.450	
101	MC	1826	338	0.00	0.00	1.000	-0.91	2.48	0.116	0.02	2.58	0.108	
102	MC	1826	338	0.45	10.19	0.001	0.89	1.68	0.195	-0.01	0.43	0.514	Uniform>
103	MC	1826	338	0.16	1.59	0.207	1.09	2.78	0.095	-0.02	2.13	0.145	
104	MC	1813	340	0.03	0.05	0.832	-0.77	1.95	0.163	0.02	2.19	0.139	
105	MC	1813	340	0.16	1.71	0.192	0.08	0.02	0.895	0.00	0.02	0.896	
106	MC	1826	338	-0.29	4.49	0.034	-0.36	0.30	0.582	0.00	0.01	0.918	
107	MC	3639	678	0.21	5.84	0.016	-0.25	0.38	0.537	0.01	1.32	0.250	
108	MC	1813	340	-0.16	1.20	0.274	-1.54	6.22	0.013	0.03	5.36	0.021	
109	MC	1813	340	0.15	1.34	0.247	0.09	0.02	0.888	0.00	0.01	0.921	
110	MC	1813	340	-0.30	4.93	0.026	-1.08	3.39	0.066	0.02	1.87	0.172	
111	MC	1826	338	-0.17	2.04	0.154	-0.09	0.02	0.877	0.00	0.02	0.894	

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 10.229: 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
87	MC	1892	678	-0.15	2.24	0.134	-0.21	0.21	0.648	0.00	0.01	0.904	
88	MC	989	340	0.01	0.01	0.939	-0.08	0.01	0.915	0.00	0.02	0.901	
89	MC	989	340	0.19	1.58	0.209	-0.22	0.13	0.718	0.01	0.48	0.490	
90	MC	903	338	0.02	0.02	0.877	-0.20	0.09	0.766	0.00	0.12	0.734	
91	MC	989	340	-0.05	0.14	0.708	0.10	0.03	0.870	0.00	0.06	0.801	
92	MC	1892	678	-0.16	2.09	0.148	-1.22	7.01	0.008	0.02	5.69	0.017	
93	MC	989	340	-0.05	0.07	0.795	-1.52	4.28	0.039	0.03	4.47	0.034	
94	MC	903	338	0.15	0.97	0.324	2.20	8.85	0.003	-0.04	8.24	0.004	NonUniform
95	MC	903	338	0.06	0.21	0.650	0.54	0.78	0.377	-0.01	0.65	0.420	
96	MC	903	338	0.28	4.27	0.039	0.54	0.63	0.427	0.00	0.15	0.697	
97	MC	903	338	0.15	1.31	0.253	0.02	0.00	0.971	0.00	0.04	0.836	
98	MC	903	338	0.23	2.86	0.091	-0.51	0.64	0.423	0.01	1.43	0.231	
99	MC	989	340	-0.49	10.46	0.001	-1.32	4.42	0.035	0.02	1.85	0.173	Uniform<
100	MC	989	340	-0.04	0.11	0.742	-0.15	0.08	0.783	0.00	0.04	0.838	
101	MC	903	338	-0.09	0.45	0.501	-0.27	0.21	0.643	0.00	0.10	0.748	
102	MC	903	338	0.48	9.72	0.002	1.00	2.06	0.152	-0.01	0.58	0.448	Uniform>
103	MC	903	338	0.02	0.03	0.857	0.88	1.74	0.187	-0.02	1.72	0.189	
104	MC	989	340	0.13	0.99	0.321	-0.60	1.13	0.288	0.01	1.76	0.184	
105	MC	989	340	0.17	1.64	0.200	0.42	0.43	0.511	0.00	0.16	0.690	
106	MC	903	338	-0.21	1.94	0.164	-0.90	1.78	0.182	0.01	1.10	0.293	
107	MC	1892	678	0.31	11.08	0.001	0.12	0.08	0.782	0.00	0.22	0.637	Uniform>
108	MC	989	340	-0.25	2.75	0.097	-1.07	2.94	0.086	0.02	1.84	0.175	
109	MC	989	340	0.24	2.88	0.090	0.77	1.39	0.239	-0.01	0.70	0.403	
110	MC	989	340	-0.28	3.61	0.058	-1.90	9.71	0.002	0.03	7.58	0.006	NonUniform
111	MC	903	338	0.26	4.01	0.045	0.51	0.68	0.411	0.00	0.17	0.684	

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.

Table 10.230: 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
87	MC	108	678	0.19	0.67	0.412	0.40	0.15	0.702	0.00	0.04	0.839	
88	MC	33	340	-1.12	3.20	0.074	-9.23	2.57	0.109	0.14	2.21	0.137	
89	MC	33	340	0.10	0.06	0.805	-6.21	2.09	0.148	0.13	2.14	0.144	
90	MC	75	338	0.39	1.68	0.194	-0.54	0.16	0.689	0.02	0.50	0.477	
91	MC	33	340	-0.17	0.19	0.661	-2.27	0.65	0.418	0.04	0.57	0.450	
92	MC	108	678	-0.18	0.57	0.450	-2.16	3.54	0.060	0.04	3.08	0.079	
93	MC	33	340	0.08	0.02	0.888	-0.16	0.00	0.956	0.00	0.01	0.932	
94	MC	75	338	0.45	2.28	0.131	1.38	0.96	0.328	-0.02	0.45	0.504	
95	MC	75	338	0.28	1.18	0.278	4.17	11.73	0.001	-0.08	10.80	0.001	NonUniform
96	MC	75	338	0.24	0.76	0.383	0.44	0.11	0.739	0.00	0.02	0.876	
97	MC	75	338	-0.21	0.59	0.441	0.98	0.66	0.415	-0.02	1.02	0.313	
98	MC	75	338	0.69	5.84	0.016	1.00	0.69	0.406	-0.01	0.07	0.793	
99	MC	33	340	0.00	0.00	0.992	-0.80	0.10	0.748	0.02	0.11	0.744	
100	MC	33	340	-0.10	0.07	0.794	-17.72	5.42	0.020	0.35	5.30	0.021	
101	MC	75	338	0.17	0.44	0.509	-0.48	0.16	0.688	0.01	0.32	0.573	
102	MC	75	338	0.46	2.15	0.142	0.49	0.14	0.710	0.00	0.00	0.983	
103	MC	75	338	0.28	1.02	0.313	0.21	0.03	0.874	0.00	0.00	0.961	
104	MC	33	340	0.12	0.10	0.750	-2.00	0.66	0.416	0.04	0.76	0.384	
105	MC	33	340	-0.35	0.80	0.370	-1.02	0.16	0.689	0.01	0.07	0.789	
106	MC	75	338	0.11	0.13	0.723	-0.75	0.34	0.561	0.02	0.46	0.497	
107	MC	108	678	-0.38	3.03	0.082	-0.01	0.00	0.995	-0.01	0.13	0.717	
108	MC	33	340	-0.65	2.82	0.093	-1.54	0.40	0.525	0.02	0.14	0.710	
109	MC	33	340	-0.11	0.07	0.790	1.11	0.21	0.645	-0.02	0.26	0.609	
110	MC	33	340	-1.27	11.33	0.001	-0.44	0.04	0.835	-0.02	0.15	0.695	Uniform<
111	MC	75	338	0.25	0.90	0.342	-0.53	0.17	0.677	0.02	0.40	0.529	

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 10.231: 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
87	MC	13284	6209	0.13	7.67	0.006	0.06	0.07	0.791	0.00	0.11	0.737	Uniform>
88	MC	6652	3142	0.16	8.02	0.005	-1.71	35.34	0.000	0.03	44.01	0.000	NonUniform
89	MC	6652	3142	-0.01	0.01	0.942	-0.73	4.98	0.026	0.01	5.15	0.023	
90	MC	6632	3067	-0.32	24.06	0.000	0.69	5.89	0.015	-0.02	13.18	0.000	NonUniform
91	MC	6652	3142	0.04	0.44	0.507	-1.68	31.35	0.000	0.03	34.44	0.000	NonUniform
92	MC	13284	6209	-0.04	0.69	0.405	1.04	22.51	0.000	-0.02	25.67	0.000	NonUniform
93	MC	6652	3142	0.30	7.93	0.005	0.37	0.59	0.441	0.00	0.02	0.879	Uniform>
94	MC	6632	3067	-0.13	5.93	0.015	-1.65	39.69	0.000	0.03	35.18	0.000	NonUniform
95	MC	6632	3067	0.06	1.18	0.278	-0.20	0.63	0.428	0.00	1.11	0.293	
96	MC	6632	3067	-0.16	9.07	0.003	-2.11	64.96	0.000	0.03	58.32	0.000	NonUniform
97	MC	6632	3067	-0.13	5.11	0.024	-1.26	22.42	0.000	0.02	19.06	0.000	NonUniform
98	MC	6632	3067	-0.11	3.51	0.061	-1.35	22.52	0.000	0.02	19.92	0.000	NonUniform
99	MC	6652	3142	0.21	9.63	0.002	0.12	0.13	0.716	0.00	0.09	0.769	Uniform>
100	MC	6652	3142	-0.26	23.72	0.000	-1.90	53.58	0.000	0.03	41.86	0.000	NonUniform
101	MC	6632	3067	-0.33	39.73	0.000	-0.20	0.65	0.419	0.00	0.33	0.563	Uniform<
102	MC	6632	3067	-0.09	1.48	0.224	-0.23	0.54	0.462	0.00	0.22	0.642	
103	MC	6632	3067	-0.18	11.33	0.001	-0.46	3.49	0.062	0.00	1.39	0.238	Uniform<
104	MC	6652	3142	0.06	1.03	0.310	-1.34	24.16	0.000	0.02	27.57	0.000	NonUniform
105	MC	6652	3142	0.04	0.46	0.500	-0.68	5.92	0.015	0.01	6.89	0.009	NonUniform
106	MC	6632	3067	-0.01	0.01	0.935	-0.10	0.13	0.723	0.00	0.12	0.730	
107	MC	13284	6209	-0.10	6.59	0.010	-1.45	59.64	0.000	0.02	54.28	0.000	NonUniform
108	MC	6652	3142	-0.09	1.58	0.209	-0.71	4.53	0.033	0.01	3.62	0.057	
109	MC	6652	3142	-0.28	25.96	0.000	-2.33	70.66	0.000	0.03	57.24	0.000	NonUniform
110	MC	6652	3142	-0.11	2.77	0.096	-0.86	8.18	0.004	0.01	6.59	0.010	
111	MC	6632	3067	-0.13	5.72	0.017	-2.17	69.86	0.000	0.03	65.23	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.

Table 10.232: 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
87	MC	10	19483	-0.01	0.00	0.987	-1.13	0.06	0.802	0.02	0.06	0.802	
88	MC	8	9786	-1.49	1.90	0.168	-229.10	0.01	0.930	3.33	0.01	0.931	
89	MC	8	9786	-1.78	5.99	0.014	-3.21	0.21	0.649	0.02	0.04	0.837	
90	MC	2	9697	10.29	0.00	0.959	12.43	0.00	0.978	-0.05	0.00	0.994	
91	MC	8	9786	-0.53	0.48	0.488	-7.52	0.44	0.508	0.11	0.39	0.533	
92	MC	10	19483	-0.83	1.34	0.246	3.87	1.05	0.306	-0.08	1.71	0.191	
93	MC	8	9786	-0.85	0.60	0.438	-76.68	0.00	0.983	1.42	0.00	0.981	
94	MC	2	9697	-10.95	0.00	0.955	-8.65	0.00	0.989	-0.03	0.00	0.997	
95	MC	2	9697	10.92	0.00	0.952	13.33	0.00	0.983	-0.04	0.00	0.996	
96	MC	2	9697	-0.57	0.11	0.736	-30.28	0.00	0.961	0.46	0.00	0.959	
97	MC	2	9697	-1.00	0.35	0.553	-31.22	0.00	0.964	0.46	0.00	0.962	
98	MC	2	9697	10.55	0.00	0.953	14.50	0.00	0.983	-0.07	0.00	0.995	
99	MC	8	9786	-0.47	0.31	0.577	8.75	0.88	0.347	-0.15	1.05	0.304	
100	MC	8	9786	1.77	2.68	0.102	9.95	0.57	0.452	-0.13	0.41	0.521	
101	MC	2	9697	11.54	0.00	0.952	12.79	0.00	0.983	-0.02	0.00	0.998	
102	MC	2	9697	9.99	0.00	0.965	12.40	0.00	0.982	-0.05	0.00	0.995	
103	MC	2	9697	-0.07	0.00	0.961	-30.77	0.00	0.959	0.47	0.00	0.957	
104	MC	8	9786	-0.71	0.97	0.324	-9.27	0.53	0.468	0.14	0.46	0.499	
105	MC	8	9786	-0.06	0.01	0.942	-14.72	0.54	0.461	0.23	0.55	0.459	
106	MC	2	9697	-1.62	0.96	0.328	-31.32	0.00	0.961	0.45	0.00	0.958	
107	MC	10	19483	-0.75	1.27	0.260	-1.24	0.10	0.756	0.01	0.02	0.900	
108	MC	8	9786	-1.19	2.45	0.117	-5.11	0.37	0.544	0.06	0.22	0.638	
109	MC	8	9786	0.11	0.02	0.884	-65.07	1.23	0.267	1.02	1.24	0.265	
110	MC	8	9786	0.71	0.42	0.518	3.65	0.21	0.647	-0.05	0.14	0.703	
111	MC	2	9697	-0.49	0.09	0.768	-30.23	0.00	0.960	0.46	0.00	0.959	

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 10.233: 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
112	SA4	1202	1861	0.12	2.72	0.099	-0.47	2.17	0.141	0.01	3.67	0.055	
113	SA4	1202	1861	-0.18	3.14	0.077	0.13	0.14	0.705	-0.01	0.90	0.342	
114	SA4	1202	1861	-0.05	0.45	0.502	0.05	0.03	0.873	0.00	0.11	0.735	
115	SA4	1338	1803	0.18	3.87	0.049	-0.70	4.60	0.032	0.02	7.93	0.005	NonUniform
116	SA4	1338	1803	-0.16	4.59	0.032	-0.52	2.95	0.086	0.01	1.48	0.224	
117	SA4	1202	1861	-0.19	5.35	0.021	-0.77	4.40	0.036	0.01	2.63	0.105	
118	SA4	1338	1803	0.10	2.00	0.157	-0.63	4.51	0.034	0.01	6.50	0.011	
119	SA4	1338	1803	0.11	2.43	0.119	-0.36	1.62	0.203	0.01	2.94	0.086	
120	SA4	1338	1803	-0.22	7.87	0.005	-0.48	2.58	0.108	0.01	0.83	0.363	Uniform<
121	SA4	2540	3664	-0.33	44.57	0.000	-0.39	3.61	0.058	0.00	0.08	0.780	Uniform<
122	SA4	2540	3664	-0.42	52.24	0.000	-0.45	3.59	0.058	0.00	0.02	0.889	Uniform<
123	SA4	1202	1861	-0.07	0.78	0.377	-0.31	0.90	0.342	0.00	0.57	0.450	
124	SA4	1338	1803	-0.25	8.10	0.004	-0.56	3.86	0.049	0.01	1.28	0.258	Uniform<
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.234: 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
112	SA4	2416	651	0.39	19.45	0.000	-0.17	0.23	0.632	0.01	2.61	0.106	Uniform>
113	SA4	2416	651	-0.10	0.77	0.380	-0.68	3.06	0.080	0.01	2.43	0.119	
114	SA4	2416	651	0.22	6.19	0.013	-0.22	0.43	0.513	0.01	1.85	0.174	
115	SA4	2439	703	0.08	0.50	0.479	-0.35	0.93	0.335	0.01	1.49	0.223	
116	SA4	2439	703	0.20	5.31	0.021	0.65	3.58	0.059	-0.01	1.79	0.180	
117	SA4	2416	651	0.19	3.84	0.050	-1.25	10.31	0.001	0.03	14.59	0.000	NonUniform
118	SA4	2439	703	0.03	0.16	0.693	0.08	0.05	0.817	0.00	0.02	0.891	
119	SA4	2439	703	0.23	7.57	0.006	-0.16	0.24	0.625	0.01	1.54	0.214	Uniform>
120	SA4	2439	703	0.14	2.48	0.116	0.74	4.58	0.032	-0.01	3.24	0.072	
121	SA4	4855	1354	0.11	3.28	0.070	0.79	10.77	0.001	-0.01	8.63	0.003	NonUniform
122	SA4	4855	1354	0.42	41.48	0.000	-0.18	0.44	0.507	0.01	5.57	0.018	Uniform>
123	SA4	2416	651	0.19	4.03	0.045	0.07	0.04	0.851	0.00	0.11	0.736	
124	SA4	2439	703	-0.01	0.02	0.901	0.14	0.18	0.670	0.00	0.24	0.621	
125	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, 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 10.235: 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
112	SA4	321	2746	-0.46	16.23	0.000	-0.56	1.06	0.303	0.00	0.03	0.863	Uniform<
113	SA4	321	2746	0.06	0.13	0.723	-0.57	0.98	0.322	0.01	1.26	0.263	
114	SA4	321	2746	-0.12	1.12	0.290	-0.90	3.06	0.080	0.02	2.42	0.120	
115	SA4	288	2854	-0.19	1.58	0.209	-0.17	0.08	0.771	0.00	0.00	0.967	
116	SA4	288	2854	-0.43	11.75	0.001	0.36	0.47	0.492	-0.02	2.40	0.122	Uniform<
117	SA4	321	2746	-0.30	6.03	0.014	0.06	0.01	0.920	-0.01	0.39	0.531	
118	SA4	288	2854	-0.24	4.03	0.045	-0.32	0.35	0.553	0.00	0.02	0.883	
119	SA4	288	2854	-0.01	0.01	0.936	-0.30	0.32	0.571	0.01	0.32	0.574	
120	SA4	288	2854	0.15	1.29	0.256	-0.39	0.52	0.471	0.01	1.05	0.306	
121	SA4	609	5600	0.04	0.19	0.659	-0.27	0.54	0.461	0.01	0.74	0.391	
122	SA4	609	5600	-0.14	2.17	0.141	0.28	0.50	0.480	-0.01	1.15	0.284	
123	SA4	321	2746	-0.20	2.78	0.096	-1.31	5.50	0.019	0.02	4.08	0.043	
124	SA4	288	2854	-0.09	0.33	0.564	-0.69	1.70	0.192	0.01	1.42	0.233	
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.236: 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
112	SA4	603	2464	0.51	31.39	0.000	0.25	0.30	0.586	0.01	0.34	0.559	Uniform>
113	SA4	603	2464	0.86	39.99	0.000	0.53	0.91	0.341	0.01	0.38	0.538	Uniform>
114	SA4	603	2464	0.34	14.15	0.000	-0.41	0.87	0.351	0.02	3.04	0.081	Uniform>
115	SA4	598	2544	0.76	39.73	0.000	1.51	9.51	0.002	-0.02	2.48	0.115	Uniform>
116	SA4	598	2544	0.72	54.78	0.000	1.09	6.22	0.013	-0.01	0.75	0.386	Uniform>
117	SA4	603	2464	0.61	37.59	0.000	0.53	1.09	0.297	0.00	0.03	0.874	Uniform>
118	SA4	598	2544	0.54	35.34	0.000	0.90	4.75	0.029	-0.01	0.78	0.378	Uniform>
119	SA4	598	2544	0.36	16.72	0.000	0.26	0.44	0.506	0.00	0.06	0.810	Uniform>
120	SA4	598	2544	0.36	14.38	0.000	0.55	1.68	0.195	0.00	0.20	0.651	Uniform>
121	SA4	1201	5008	0.34	30.34	0.000	0.01	0.00	0.981	0.01	1.37	0.242	Uniform>
122	SA4	1201	5008	0.49	48.51	0.000	0.01	0.00	0.968	0.01	2.05	0.152	Uniform>
123	SA4	603	2464	0.12	1.69	0.193	-0.25	0.28	0.595	0.01	0.65	0.420	
124	SA4	598	2544	0.91	58.61	0.000	1.44	11.31	0.001	-0.01	1.65	0.199	Uniform>
125	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, 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 10.237: 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
112	SA4	1826	1241	0.33	20.06	0.000	-0.73	5.66	0.017	0.02	12.75	0.000	NonUniform
113	SA4	1826	1241	-0.02	0.06	0.810	-0.01	0.00	0.980	0.00	0.00	0.960	
114	SA4	1826	1241	0.13	3.05	0.081	-0.26	0.80	0.371	0.01	1.92	0.166	
115	SA4	1813	1329	-0.05	0.31	0.580	-0.03	0.01	0.923	0.00	0.00	0.948	
116	SA4	1813	1329	0.15	4.18	0.041	0.24	0.64	0.422	0.00	0.08	0.771	
117	SA4	1826	1241	0.21	6.70	0.010	-1.42	16.70	0.000	0.03	23.18	0.000	NonUniform
118	SA4	1813	1329	0.03	0.18	0.668	-0.30	1.04	0.308	0.01	1.35	0.245	
119	SA4	1813	1329	0.02	0.08	0.773	-0.38	1.83	0.176	0.01	2.18	0.140	
120	SA4	1813	1329	0.06	0.61	0.435	0.06	0.04	0.850	0.00	0.00	0.987	
121	SA4	3639	2570	0.00	0.00	0.967	0.46	5.24	0.022	-0.01	5.67	0.017	
122	SA4	3639	2570	0.25	18.46	0.000	-0.41	3.14	0.076	0.01	8.65	0.003	NonUniform
123	SA4	1826	1241	0.13	2.53	0.111	0.27	0.72	0.395	0.00	0.22	0.642	
124	SA4	1813	1329	-0.24	7.13	0.008	0.11	0.16	0.691	-0.01	1.72	0.190	Uniform<
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.238: 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
112	SA4	1826	338	0.21	3.30	0.069	-2.05	13.21	0.000	0.04	16.87	0.000	NonUniform
113	SA4	1826	338	-0.58	10.13	0.001	-0.19	0.09	0.765	-0.01	0.38	0.537	Uniform<
114	SA4	1826	338	0.03	0.07	0.796	-0.15	0.07	0.792	0.00	0.11	0.745	
115	SA4	1813	340	-0.36	5.01	0.025	-2.13	11.26	0.001	0.04	8.48	0.004	NonUniform
116	SA4	1813	340	0.04	0.11	0.735	-0.88	2.51	0.113	0.02	2.85	0.091	
117	SA4	1826	338	0.13	0.98	0.323	-1.91	9.06	0.003	0.04	10.78	0.001	NonUniform
118	SA4	1813	340	-0.19	2.52	0.113	-1.05	3.81	0.051	0.02	2.67	0.102	
119	SA4	1813	340	-0.24	4.48	0.034	-0.16	0.09	0.758	0.00	0.03	0.873	
120	SA4	1813	340	-0.32	6.22	0.013	-0.93	2.78	0.096	0.01	1.24	0.265	
121	SA4	3639	678	-0.17	4.37	0.037	0.39	1.04	0.307	-0.01	2.22	0.136	
122	SA4	3639	678	-0.03	0.08	0.776	-0.78	3.23	0.072	0.02	3.17	0.075	
123	SA4	1826	338	0.01	0.01	0.905	-0.43	0.49	0.482	0.01	0.55	0.459	
124	SA4	1813	340	-0.76	24.03	0.000	-1.11	4.03	0.045	0.01	0.41	0.520	Uniform<
125	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, 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 10.239: 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
112	SA4	903	338	-0.19	2.26	0.133	-1.61	7.77	0.005	0.03	6.36	0.012	
113	SA4	903	338	-0.72	14.46	0.000	-0.22	0.11	0.739	-0.01	0.63	0.427	Uniform<
114	SA4	903	338	-0.14	1.30	0.254	0.11	0.04	0.849	-0.01	0.20	0.651	
115	SA4	989	340	-0.39	5.21	0.022	-2.38	13.44	0.000	0.04	10.34	0.001	NonUniform
116	SA4	989	340	-0.14	1.16	0.282	-1.24	4.88	0.027	0.02	4.01	0.045	
117	SA4	903	338	-0.18	1.69	0.194	-0.66	1.03	0.311	0.01	0.58	0.448	
118	SA4	989	340	-0.28	5.22	0.022	-0.82	2.40	0.121	0.01	1.08	0.298	
119	SA4	989	340	-0.36	8.94	0.003	0.23	0.19	0.662	-0.01	1.32	0.250	Uniform<
120	SA4	989	340	-0.50	13.42	0.000	-1.14	3.99	0.046	0.01	1.30	0.254	Uniform<
121	SA4	1892	678	-0.22	6.51	0.011	-0.08	0.05	0.831	0.00	0.13	0.719	
122	SA4	1892	678	-0.39	16.29	0.000	-0.46	1.14	0.285	0.00	0.03	0.869	Uniform<
123	SA4	903	338	-0.15	1.19	0.275	-0.82	1.69	0.193	0.01	1.18	0.277	
124	SA4	989	340	-0.60	14.57	0.000	-1.39	6.24	0.013	0.02	2.13	0.144	Uniform<
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.240: 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
112	SA4	75	338	-0.59	5.53	0.019	-3.88	8.73	0.003	0.07	6.49	0.011	
113	SA4	75	338	-0.68	4.23	0.040	-1.05	0.66	0.417	0.01	0.09	0.767	
114	SA4	75	338	-0.62	5.87	0.015	-1.30	1.36	0.243	0.01	0.40	0.529	
115	SA4	33	340	0.05	0.01	0.922	-1.33	0.27	0.601	0.03	0.31	0.577	
116	SA4	33	340	-0.25	0.46	0.496	3.24	2.64	0.104	-0.07	3.17	0.075	
117	SA4	75	338	-0.61	5.62	0.018	-1.56	1.52	0.218	0.02	0.58	0.446	
118	SA4	33	340	-0.31	0.80	0.371	-1.40	0.44	0.509	0.02	0.27	0.604	
119	SA4	33	340	-0.01	0.00	0.987	3.36	3.15	0.076	-0.07	3.19	0.074	
120	SA4	33	340	-0.07	0.03	0.859	-2.11	0.76	0.384	0.04	0.73	0.393	
121	SA4	108	678	0.17	0.70	0.404	-0.60	0.39	0.531	0.02	0.67	0.413	
122	SA4	108	678	0.05	0.04	0.834	-0.98	0.88	0.348	0.02	1.00	0.318	
123	SA4	75	338	-0.25	0.92	0.338	-3.18	5.76	0.016	0.06	5.03	0.025	
124	SA4	33	340	-0.08	0.03	0.860	-0.09	0.00	0.967	0.00	0.00	0.998	
125	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, 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 10.241: 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
112	SA4	6632	3067	-0.27	25.13	0.000	1.38	31.35	0.000	-0.03	46.44	0.000	NonUniform
113	SA4	6632	3067	-0.12	1.94	0.164	2.29	46.91	0.000	-0.04	55.87	0.000	NonUniform
114	SA4	6632	3067	-0.23	19.53	0.000	0.52	4.79	0.029	-0.01	10.39	0.001	NonUniform
115	SA4	6652	3142	-0.26	11.42	0.001	1.42	19.34	0.000	-0.03	28.62	0.000	NonUniform
116	SA4	6652	3142	-0.14	6.59	0.010	2.61	93.93	0.000	-0.05	108.06	0.000	NonUniform
117	SA4	6632	3067	-0.26	18.52	0.000	1.28	19.17	0.000	-0.03	28.78	0.000	NonUniform
118	SA4	6652	3142	-0.42	62.60	0.000	0.95	14.61	0.000	-0.02	31.66	0.000	NonUniform
119	SA4	6652	3142	-0.03	0.33	0.567	-0.93	14.63	0.000	0.02	14.25	0.000	NonUniform
120	SA4	6652	3142	-0.07	1.28	0.259	2.77	101.07	0.000	-0.05	110.75	0.000	NonUniform
121	SA4	13284	6209	-0.02	0.21	0.646	0.87	26.89	0.000	-0.01	29.00	0.000	NonUniform
122	SA4	13284	6209	-0.27	34.72	0.000	0.68	10.58	0.001	-0.02	21.35	0.000	NonUniform
123	SA4	6632	3067	0.00	0.01	0.942	1.02	13.04	0.000	-0.02	13.62	0.000	NonUniform
124	SA4	6652	3142	0.30	18.05	0.000	2.04	48.70	0.000	-0.03	37.65	0.000	NonUniform
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.242: 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
112	SA4	2	9697	1.77	1.45	0.229	7.44	1.37	0.242	-0.09	0.89	0.346	
113	SA4	2	9697	0.51	0.08	0.775	6.85	0.49	0.484	-0.10	0.47	0.494	
114	SA4	2	9697	0.44	0.07	0.795	-1.15	0.04	0.841	0.03	0.09	0.770	
115	SA4	8	9786	-0.03	0.00	0.978	3.44	0.22	0.639	-0.06	0.24	0.626	
116	SA4	8	9786	0.60	0.50	0.478	8.90	1.19	0.275	-0.13	1.11	0.293	
117	SA4	2	9697	2.95	1.47	0.225	9.76	0.39	0.532	-0.10	0.21	0.645	
118	SA4	8	9786	1.58	3.09	0.079	8.10	1.15	0.284	-0.11	0.79	0.375	
119	SA4	8	9786	0.17	0.06	0.814	-0.86	0.03	0.872	0.02	0.04	0.845	
120	SA4	8	9786	1.77	2.87	0.090	7.12	0.64	0.422	-0.09	0.38	0.540	
121	SA4	10	19483	-0.65	1.14	0.285	1.47	0.22	0.640	-0.03	0.48	0.489	
122	SA4	10	19483	0.49	0.29	0.589	-2.78	0.59	0.443	0.06	0.97	0.324	
123	SA4	2	9697	1.68	1.14	0.285	8.62	1.01	0.315	-0.11	0.73	0.393	
124	SA4	8	9786	0.31	0.12	0.727	5.22	0.39	0.530	-0.08	0.35	0.551	
125	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, 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 10.243: 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
1	MC	1118	1363	-0.21	2.42	0.120	-0.20	0.23	0.634	0.00	0.00	0.997	
2	MC	1118	1363	0.12	1.79	0.181	-0.09	0.06	0.806	0.00	0.33	0.566	
3	MC	2309	2919	0.12	4.41	0.036	-0.32	1.71	0.191	0.01	3.53	0.060	
4	MC	2309	2919	0.10	3.14	0.077	-0.10	0.17	0.683	0.00	0.73	0.394	
5	MC	2309	2919	0.40	29.36	0.000	0.43	2.20	0.138	0.00	0.01	0.939	Uniform>
6	MC	2309	2919	0.10	2.66	0.103	-0.20	0.60	0.437	0.01	1.41	0.236	
7	MC	1191	1556	0.33	10.74	0.001	-0.39	1.11	0.291	0.01	3.99	0.046	Uniform>
8	MC	1191	1556	-0.19	3.69	0.055	-0.62	2.19	0.139	0.01	1.14	0.286	
9	MC	1118	1363	0.03	0.11	0.744	-0.27	0.55	0.460	0.01	0.73	0.392	
10	MC	1118	1363	-0.01	0.01	0.905	-0.39	1.06	0.303	0.01	1.07	0.302	
11	MC	1118	1363	0.20	5.02	0.025	-0.18	0.27	0.604	0.01	1.27	0.259	
12	MC	1118	1363	0.05	0.31	0.575	-0.19	0.24	0.626	0.00	0.40	0.529	
13	MC	1118	1363	-0.27	8.99	0.003	-0.25	0.42	0.518	0.00	0.00	0.967	Uniform<
14	MC	1118	1363	0.22	5.19	0.023	0.16	0.21	0.649	0.00	0.03	0.866	
15	MC	1118	1363	0.49	16.39	0.000	1.28	9.66	0.002	-0.02	4.07	0.044	Uniform>
16	MC	1118	1363	0.10	1.43	0.232	-0.41	1.31	0.253	0.01	2.17	0.141	
17	MC	1118	1363	0.14	2.57	0.109	-0.15	0.21	0.646	0.01	0.84	0.360	
18	MC	2309	2919	-0.22	14.04	0.000	0.32	2.19	0.139	-0.01	6.72	0.010	NonUniform
19	MC	1191	1556	0.00	0.00	0.953	-0.72	4.58	0.032	0.01	4.92	0.027	
20	MC	1191	1556	0.24	9.23	0.002	-0.62	3.39	0.065	0.02	6.98	0.008	NonUniform
21	MC	1191	1556	0.16	3.24	0.072	-0.51	1.47	0.225	0.01	2.63	0.105	
22	MC	1191	1556	0.18	4.08	0.043	0.31	0.75	0.386	0.00	0.14	0.711	
23	MC	1191	1556	-0.07	0.66	0.418	0.03	0.01	0.933	0.00	0.07	0.792	
24	MC	2309	2919	-0.34	26.69	0.000	0.21	0.66	0.417	-0.01	4.76	0.029	Uniform<
25	MC	1118	1363	0.09	1.24	0.266	-0.61	3.75	0.053	0.01	5.35	0.021	
26	MC	1118	1363	0.08	0.76	0.384	-0.04	0.01	0.907	0.00	0.11	0.740	
27	MC	1118	1363	-0.01	0.02	0.878	-1.09	11.65	0.001	0.02	12.26	0.000	NonUniform
28	MC	1118	1363	0.15	3.39	0.066	0.43	1.74	0.187	0.00	0.76	0.384	
29	MC	1118	1363	0.14	2.56	0.109	-0.04	0.02	0.898	0.00	0.30	0.583	
30	MC	1118	1363	0.18	4.26	0.039	-1.19	9.88	0.002	0.02	13.89	0.000	NonUniform
31	MC	1118	1363	-0.02	0.03	0.862	0.27	0.53	0.466	0.00	0.63	0.428	
32	MC	1118	1363	0.15	2.81	0.094	-0.38	1.06	0.304	0.01	2.17	0.141	
33	MC	1118	1363	0.15	2.81	0.093	-0.26	0.47	0.494	0.01	1.24	0.266	
34	MC	1118	1363	-0.25	5.38	0.020	-0.38	0.97	0.324	0.00	0.12	0.726	
35	MC	1118	1363	-0.07	0.27	0.605	0.83	3.27	0.070	-0.02	4.27	0.039	
36	MC	1191	1556	-0.31	4.54	0.033	-0.94	3.62	0.057	0.02	1.76	0.185	
37	MC	1191	1556	0.10	1.70	0.192	-0.37	1.12	0.291	0.01	1.94	0.164	
38	MC	1191	1556	0.20	6.05	0.014	-0.42	1.21	0.271	0.01	2.79	0.095	
39	MC	1191	1556	0.24	7.00	0.008	-0.10	0.07	0.791	0.01	0.82	0.366	Uniform>
40	MC	1191	1556	0.19	5.34	0.021	0.63	3.42	0.064	-0.01	1.80	0.180	
41	MC	1191	1556	0.23	8.31	0.004	0.87	7.62	0.006	-0.01	4.39	0.036	Uniform>
42	MC	1191	1556	0.16	2.82	0.093	-0.16	0.17	0.678	0.01	0.78	0.378	
43	MC	1191	1556	0.14	3.03	0.082	0.92	6.95	0.008	-0.01	5.28	0.022	
44	MC	1191	1556	-0.14	2.81	0.094	0.39	1.05	0.307	-0.01	2.06	0.151	
45	MC	1191	1556	0.15	3.19	0.074	-0.23	0.38	0.537	0.01	1.07	0.300	
46	MC	1191	1556	0.12	2.03	0.155	0.04	0.01	0.921	0.00	0.05	0.818	
47	MC	1191	1556	0.01	0.01	0.921	0.44	1.41	0.235	-0.01	1.43	0.232	
48	MC	1191	1556	-0.03	0.13	0.721	-0.96	5.80	0.016	0.02	5.71	0.017	
49	MC	1191	1556	-0.16	3.25	0.071	0.34	0.88	0.347	-0.01	2.01	0.156	
50	MC	1191	1556	0.00	0.00	0.993	-0.26	0.45	0.503	0.00	0.47	0.491	

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 10.244: 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
1	MC	1549	933	0.92	48.42	0.000	1.32	9.40	0.002	-0.01	0.95	0.329	Uniform>
2	MC	1549	933	0.07	0.64	0.424	0.68	3.09	0.079	-0.01	2.62	0.106	
3	MC	3482	1748	0.30	23.30	0.000	1.09	17.63	0.000	-0.01	9.90	0.002	NonUniform
4	MC	3482	1748	0.09	2.05	0.152	0.19	0.51	0.475	0.00	0.15	0.702	
5	MC	3482	1748	-0.26	11.21	0.001	0.12	0.16	0.694	-0.01	1.75	0.186	Uniform<
6	MC	3482	1748	0.17	7.53	0.006	-0.25	0.89	0.345	0.01	2.69	0.101	Uniform>
7	MC	1933	815	-0.22	4.19	0.041	-0.06	0.02	0.876	0.00	0.17	0.681	
8	MC	1933	815	-0.04	0.13	0.722	1.29	7.04	0.008	-0.03	7.82	0.005	NonUniform
9	MC	1549	933	0.08	0.58	0.446	-0.51	2.01	0.156	0.01	2.87	0.090	
10	MC	1549	933	-0.27	8.82	0.003	-0.61	2.79	0.095	0.01	0.94	0.332	Uniform<
11	MC	1549	933	0.01	0.03	0.874	-0.94	7.62	0.006	0.02	8.45	0.004	NonUniform
12	MC	1549	933	-0.22	5.84	0.016	0.66	2.67	0.103	-0.01	5.02	0.025	
13	MC	1549	933	0.15	2.82	0.093	0.13	0.11	0.735	0.00	0.00	0.954	
14	MC	1549	933	-0.12	1.37	0.242	0.99	7.09	0.008	-0.02	9.55	0.002	NonUniform
15	MC	1549	933	-0.28	5.38	0.020	-0.18	0.20	0.656	0.00	0.06	0.802	
16	MC	1549	933	0.09	0.96	0.328	-0.30	0.71	0.399	0.01	1.26	0.261	
17	MC	1549	933	0.63	50.31	0.000	-0.84	6.70	0.010	0.03	21.95	0.000	NonUniform
18	MC	3482	1748	0.04	0.47	0.493	0.72	10.00	0.002	-0.01	9.54	0.002	NonUniform
19	MC	1933	815	0.20	5.32	0.021	0.39	1.10	0.294	0.00	0.28	0.595	
20	MC	1933	815	0.24	7.63	0.006	1.23	10.18	0.001	-0.02	6.99	0.008	NonUniform
21	MC	1933	815	0.08	0.67	0.413	1.12	5.40	0.020	-0.02	4.89	0.027	
22	MC	1933	815	-0.29	8.68	0.003	0.78	3.73	0.053	-0.02	7.41	0.006	NonUniform
23	MC	1933	815	0.31	11.40	0.001	0.50	1.27	0.260	0.00	0.19	0.661	Uniform>
24	MC	3482	1748	-0.44	39.70	0.000	0.78	7.68	0.006	-0.02	20.10	0.000	NonUniform
25	MC	1549	933	0.30	12.61	0.000	0.29	0.85	0.358	0.00	0.00	0.959	Uniform>
26	MC	1549	933	0.33	13.30	0.000	0.82	4.72	0.030	-0.01	1.81	0.178	Uniform>
27	MC	1549	933	0.08	0.80	0.372	0.26	0.71	0.399	0.00	0.39	0.532	
28	MC	1549	933	-0.20	5.51	0.019	-0.72	5.04	0.025	0.01	2.81	0.094	
29	MC	1549	933	-0.26	8.38	0.004	-0.94	7.41	0.006	0.01	4.13	0.042	Uniform<
30	MC	1549	933	-0.06	0.43	0.510	-0.79	4.71	0.030	0.01	4.28	0.038	
31	MC	1549	933	-0.06	0.50	0.478	0.32	0.74	0.390	-0.01	1.13	0.287	
32	MC	1549	933	0.06	0.43	0.514	0.27	0.52	0.470	0.00	0.34	0.561	
33	MC	1549	933	0.21	5.58	0.018	-0.47	1.63	0.202	0.01	3.66	0.056	
34	MC	1549	933	-0.36	10.12	0.001	-0.23	0.36	0.549	0.00	0.12	0.725	Uniform<
35	MC	1549	933	-0.49	11.19	0.001	-0.58	1.58	0.209	0.00	0.04	0.841	Uniform<
36	MC	1933	815	0.36	5.33	0.021	0.17	0.11	0.743	0.00	0.15	0.700	
37	MC	1933	815	0.39	19.04	0.000	0.08	0.05	0.831	0.01	0.63	0.427	Uniform>
38	MC	1933	815	0.07	0.62	0.432	-0.16	0.14	0.708	0.00	0.31	0.578	
39	MC	1933	815	-0.04	0.19	0.662	-0.01	0.00	0.987	0.00	0.01	0.931	
40	MC	1933	815	0.20	5.12	0.024	0.73	3.52	0.061	-0.01	1.97	0.160	
41	MC	1933	815	0.74	71.62	0.000	-0.02	0.00	0.956	0.01	5.12	0.024	Uniform>
42	MC	1933	815	-0.05	0.20	0.653	0.42	1.03	0.310	-0.01	1.37	0.243	
43	MC	1933	815	-0.26	8.87	0.003	-0.36	0.90	0.343	0.00	0.07	0.788	Uniform<
44	MC	1933	815	-0.01	0.01	0.906	-0.84	4.26	0.039	0.02	4.38	0.036	
45	MC	1933	815	0.00	0.00	0.970	0.38	0.83	0.363	-0.01	0.85	0.355	
46	MC	1933	815	-0.07	0.66	0.415	0.69	2.86	0.091	-0.01	3.68	0.055	
47	MC	1933	815	-0.17	3.78	0.052	-0.56	1.98	0.160	0.01	0.99	0.320	
48	MC	1933	815	-0.07	0.55	0.457	-0.07	0.03	0.871	0.00	0.00	0.997	
49	MC	1933	815	-0.22	6.01	0.014	-0.25	0.41	0.520	0.00	0.00	0.954	
50	MC	1933	815	-0.05	0.30	0.586	-0.29	0.51	0.477	0.00	0.37	0.543	

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 10.245: 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
1	MC	165	2317	0.71	2.85	0.091	0.89	0.38	0.538	0.00	0.02	0.897	
2	MC	165	2317	0.20	1.46	0.228	0.24	0.07	0.789	0.00	0.00	0.970	
3	MC	321	4909	-0.38	9.60	0.002	-1.14	3.17	0.075	0.01	1.47	0.225	Uniform<
4	MC	321	4909	-0.08	0.49	0.483	-2.93	14.27	0.000	0.05	13.92	0.000	NonUniform
5	MC	321	4909	-0.24	2.39	0.122	-0.48	0.41	0.524	0.00	0.10	0.748	
6	MC	321	4909	-0.05	0.15	0.698	-1.63	5.45	0.020	0.03	5.36	0.021	
7	MC	156	2592	0.18	0.66	0.417	-0.76	0.59	0.441	0.02	0.96	0.328	
8	MC	156	2592	0.10	0.22	0.642	-2.00	2.57	0.109	0.04	2.89	0.089	
9	MC	165	2317	-0.12	0.33	0.568	-1.53	1.81	0.178	0.02	1.59	0.208	
10	MC	165	2317	-0.05	0.07	0.787	-2.12	3.78	0.052	0.03	3.71	0.054	
11	MC	165	2317	-0.16	0.78	0.377	-3.27	7.51	0.006	0.05	6.92	0.009	NonUniform
12	MC	165	2317	0.50	7.91	0.005	-3.30	6.56	0.010	0.06	8.79	0.003	NonUniform
13	MC	165	2317	-0.11	0.42	0.516	-2.22	3.98	0.046	0.03	3.69	0.055	
14	MC	165	2317	-0.54	7.77	0.005	-3.00	5.91	0.015	0.04	4.04	0.044	Uniform<
15	MC	165	2317	-0.41	2.63	0.105	-2.40	2.75	0.097	0.04	1.92	0.165	
16	MC	165	2317	-0.04	0.06	0.809	0.18	0.04	0.837	0.00	0.07	0.797	
17	MC	165	2317	-0.43	6.28	0.012	-3.34	9.17	0.002	0.05	7.14	0.008	NonUniform
18	MC	321	4909	0.40	8.86	0.003	0.00	0.00	0.999	0.01	0.52	0.469	Uniform>
19	MC	156	2592	0.24	2.06	0.151	0.51	0.45	0.503	0.00	0.13	0.715	
20	MC	156	2592	-0.29	2.86	0.091	-1.57	2.89	0.089	0.02	2.01	0.156	
21	MC	156	2592	-0.09	0.23	0.634	-0.54	0.27	0.603	0.01	0.20	0.657	
22	MC	156	2592	-0.19	1.03	0.309	-1.33	1.91	0.167	0.02	1.45	0.228	
23	MC	156	2592	-0.16	0.84	0.360	-0.31	0.10	0.748	0.00	0.02	0.875	
24	MC	321	4909	1.28	45.22	0.000	1.02	1.93	0.164	0.00	0.13	0.721	Uniform>
25	MC	165	2317	-0.28	2.94	0.087	-1.82	3.97	0.046	0.02	2.95	0.086	
26	MC	165	2317	0.26	2.29	0.130	-2.79	5.71	0.017	0.05	6.98	0.008	NonUniform
27	MC	165	2317	-0.21	1.55	0.213	-2.35	6.05	0.014	0.03	5.23	0.022	
28	MC	165	2317	-0.34	4.06	0.044	-0.56	0.41	0.525	0.00	0.06	0.801	
29	MC	165	2317	-0.13	0.55	0.458	-0.10	0.01	0.910	0.00	0.00	0.974	
30	MC	165	2317	-0.55	10.16	0.001	-1.76	2.82	0.093	0.02	1.37	0.242	Uniform<
31	MC	165	2317	0.04	0.06	0.805	-2.29	4.67	0.031	0.04	5.02	0.025	
32	MC	165	2317	-0.27	2.29	0.130	-4.09	10.68	0.001	0.06	9.83	0.002	NonUniform
33	MC	165	2317	-0.75	18.31	0.000	-1.34	1.72	0.189	0.01	0.35	0.556	Uniform<
34	MC	165	2317	0.15	0.35	0.552	-1.81	1.80	0.180	0.04	2.16	0.142	
35	MC	165	2317	0.70	2.29	0.130	3.33	4.48	0.034	-0.05	3.51	0.061	
36	MC	156	2592	0.53	1.61	0.205	-0.49	0.11	0.735	0.02	0.53	0.465	
37	MC	156	2592	-0.16	0.90	0.343	-0.96	1.06	0.303	0.01	0.76	0.382	
38	MC	156	2592	-0.04	0.04	0.834	-1.43	1.89	0.170	0.02	1.86	0.172	
39	MC	156	2592	-0.08	0.15	0.696	-0.72	0.51	0.476	0.01	0.42	0.516	
40	MC	156	2592	-0.12	0.49	0.485	-0.65	0.55	0.457	0.01	0.38	0.535	
41	MC	156	2592	-0.76	20.48	0.000	-2.82	9.03	0.003	0.04	5.06	0.024	Uniform<
42	MC	156	2592	-0.09	0.19	0.666	-0.21	0.05	0.818	0.00	0.02	0.893	
43	MC	156	2592	-0.27	2.41	0.121	0.42	0.26	0.613	-0.01	0.72	0.398	
44	MC	156	2592	0.32	2.93	0.087	0.63	0.50	0.481	-0.01	0.12	0.726	
45	MC	156	2592	-0.25	1.97	0.160	-0.28	0.08	0.773	0.00	0.00	0.980	
46	MC	156	2592	0.01	0.00	0.966	-1.16	1.41	0.236	0.02	1.48	0.224	
47	MC	156	2592	0.22	1.70	0.192	-0.04	0.00	0.964	0.00	0.09	0.762	
48	MC	156	2592	-0.38	4.32	0.038	0.32	0.12	0.732	-0.01	0.57	0.449	
49	MC	156	2592	0.09	0.28	0.597	0.00	0.00	0.996	0.00	0.01	0.912	
50	MC	156	2592	0.04	0.06	0.812	-0.57	0.35	0.552	0.01	0.42	0.516	

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 10.246: 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
1	MC	294	2188	-0.04	0.04	0.834	-0.01	0.00	0.995	0.00	0.00	0.966	
2	MC	294	2188	-0.25	3.29	0.070	-0.86	1.15	0.283	0.01	0.60	0.438	
3	MC	634	4596	-0.57	41.43	0.000	-0.46	0.91	0.339	0.00	0.05	0.822	Uniform<
4	MC	634	4596	-0.44	23.90	0.000	-0.36	0.52	0.470	0.00	0.03	0.873	Uniform<
5	MC	634	4596	-0.66	44.86	0.000	-1.20	4.67	0.031	0.01	0.98	0.323	Uniform<
6	MC	634	4596	-0.36	14.79	0.000	0.12	0.06	0.814	-0.01	0.91	0.340	Uniform<
7	MC	340	2408	-0.39	8.45	0.004	-0.87	1.50	0.220	0.01	0.47	0.491	Uniform<
8	MC	340	2408	-0.07	0.26	0.613	-0.98	1.47	0.226	0.02	1.30	0.254	
9	MC	294	2188	-0.01	0.00	0.962	0.74	1.17	0.279	-0.01	1.25	0.263	
10	MC	294	2188	-0.20	2.26	0.132	-0.83	1.18	0.277	0.01	0.71	0.400	
11	MC	294	2188	-0.27	4.45	0.035	-0.55	0.62	0.432	0.01	0.16	0.688	
12	MC	294	2188	-0.35	6.56	0.010	-1.14	1.84	0.174	0.01	0.91	0.339	
13	MC	294	2188	0.03	0.07	0.790	0.53	0.56	0.453	-0.01	0.51	0.476	
14	MC	294	2188	-0.98	53.11	0.000	-1.00	1.89	0.170	0.00	0.00	0.983	Uniform<
15	MC	294	2188	-0.77	24.18	0.000	-0.96	1.46	0.227	0.00	0.06	0.800	Uniform<
16	MC	294	2188	-0.21	2.49	0.114	0.67	0.93	0.336	-0.02	1.65	0.199	
17	MC	294	2188	-0.93	50.73	0.000	-0.95	1.79	0.180	0.00	0.00	0.986	Uniform<
18	MC	634	4596	0.19	4.36	0.037	-1.30	7.48	0.006	0.03	10.12	0.001	NonUniform
19	MC	340	2408	0.34	8.45	0.004	-0.94	1.96	0.162	0.02	3.77	0.052	Uniform>
20	MC	340	2408	-0.67	30.13	0.000	-0.64	0.90	0.343	0.00	0.00	0.969	Uniform<
21	MC	340	2408	-0.84	42.64	0.000	-0.98	1.43	0.233	0.00	0.03	0.870	Uniform<
22	MC	340	2408	-0.69	32.01	0.000	-0.81	1.42	0.233	0.00	0.03	0.860	Uniform<
23	MC	340	2408	-0.48	13.24	0.000	-1.54	3.41	0.065	0.02	1.68	0.195	Uniform<
24	MC	634	4596	0.86	64.84	0.000	-0.35	0.40	0.527	0.02	4.83	0.028	Uniform>
25	MC	294	2188	-0.32	6.48	0.011	-1.08	2.54	0.111	0.01	1.30	0.254	
26	MC	294	2188	-0.74	28.18	0.000	-0.45	0.33	0.565	-0.01	0.14	0.707	Uniform<
27	MC	294	2188	-0.56	18.87	0.000	-0.74	1.18	0.277	0.00	0.07	0.791	Uniform<
28	MC	294	2188	-0.24	3.48	0.062	0.12	0.03	0.858	-0.01	0.31	0.580	
29	MC	294	2188	-0.55	17.47	0.000	0.08	0.01	0.909	-0.01	0.86	0.354	Uniform<
30	MC	294	2188	-0.56	17.00	0.000	0.10	0.02	0.894	-0.01	0.82	0.366	Uniform<
31	MC	294	2188	-0.17	1.67	0.197	-0.20	0.07	0.790	0.00	0.00	0.974	
32	MC	294	2188	-0.20	2.05	0.152	0.18	0.05	0.817	-0.01	0.26	0.611	
33	MC	294	2188	-0.31	5.51	0.019	-1.30	2.69	0.101	0.02	1.61	0.204	
34	MC	294	2188	-0.54	13.64	0.000	-0.76	1.01	0.315	0.00	0.08	0.774	Uniform<
35	MC	294	2188	0.25	1.23	0.267	1.02	1.24	0.266	-0.02	0.76	0.383	
36	MC	340	2408	-0.36	3.06	0.080	-1.94	3.60	0.058	0.04	2.43	0.119	
37	MC	340	2408	-0.38	9.34	0.002	-0.51	0.52	0.472	0.00	0.03	0.854	Uniform<
38	MC	340	2408	-0.41	10.35	0.001	-0.18	0.06	0.805	0.00	0.10	0.754	Uniform<
39	MC	340	2408	-0.73	34.68	0.000	-0.16	0.05	0.818	-0.01	0.68	0.410	Uniform<
40	MC	340	2408	-0.19	2.42	0.119	-0.29	0.19	0.667	0.00	0.02	0.878	
41	MC	340	2408	-0.63	29.05	0.000	-1.66	6.42	0.011	0.02	2.54	0.111	Uniform<
42	MC	340	2408	-0.66	26.18	0.000	-1.67	5.07	0.024	0.02	1.90	0.169	Uniform<
43	MC	340	2408	-0.40	10.66	0.001	-0.67	0.90	0.343	0.01	0.15	0.698	Uniform<
44	MC	340	2408	-0.34	7.86	0.005	-1.17	2.40	0.121	0.02	1.23	0.267	Uniform<
45	MC	340	2408	-0.50	13.73	0.000	0.56	0.57	0.449	-0.02	2.09	0.148	Uniform<
46	MC	340	2408	-0.59	23.24	0.000	-0.34	0.23	0.629	0.00	0.13	0.716	Uniform<
47	MC	340	2408	-0.21	2.75	0.097	-0.55	0.53	0.466	0.01	0.20	0.651	
48	MC	340	2408	-0.09	0.46	0.495	1.27	3.36	0.067	-0.02	3.92	0.048	
49	MC	340	2408	0.05	0.16	0.694	0.76	1.26	0.262	-0.01	1.13	0.288	
50	MC	340	2408	0.03	0.06	0.809	-0.93	1.52	0.218	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, 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 10.247: 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
1	MC	879	1603	0.85	31.60	0.000	0.75	2.47	0.116	0.00	0.04	0.840	Uniform>
2	MC	879	1603	0.08	0.86	0.354	0.32	0.64	0.423	0.00	0.37	0.546	
3	MC	2146	3084	0.33	29.74	0.000	0.87	12.60	0.000	-0.01	5.22	0.022	Uniform>
4	MC	2146	3084	0.13	5.14	0.023	0.20	0.65	0.420	0.00	0.08	0.777	
5	MC	2146	3084	-0.07	0.89	0.346	-0.29	0.98	0.321	0.00	0.61	0.435	
6	MC	2146	3084	0.17	7.76	0.005	0.00	0.00	0.986	0.00	0.40	0.525	Uniform>
7	MC	1267	1481	-0.03	0.13	0.724	-0.04	0.01	0.923	0.00	0.00	0.998	
8	MC	1267	1481	-0.17	2.98	0.084	0.75	3.39	0.066	-0.02	5.32	0.021	
9	MC	879	1603	0.01	0.01	0.919	-0.38	0.95	0.330	0.01	1.07	0.302	
10	MC	879	1603	-0.14	2.57	0.109	-0.88	4.57	0.033	0.01	3.37	0.067	
11	MC	879	1603	0.02	0.04	0.834	-0.65	2.94	0.086	0.01	3.31	0.069	
12	MC	879	1603	-0.35	14.41	0.000	0.50	1.46	0.228	-0.01	4.41	0.036	Uniform<
13	MC	879	1603	0.13	2.08	0.149	0.32	0.65	0.419	0.00	0.24	0.621	
14	MC	879	1603	0.05	0.30	0.587	-0.17	0.19	0.663	0.00	0.36	0.550	
15	MC	879	1603	-0.13	1.18	0.278	-0.66	2.14	0.144	0.01	1.48	0.224	
16	MC	879	1603	-0.04	0.18	0.669	0.00	0.00	0.990	0.00	0.01	0.929	
17	MC	879	1603	0.41	19.92	0.000	-0.99	7.11	0.008	0.03	15.00	0.000	NonUniform
18	MC	2146	3084	-0.06	0.92	0.338	0.63	7.91	0.005	-0.01	10.15	0.001	NonUniform
19	MC	1267	1481	0.01	0.01	0.920	0.08	0.06	0.810	0.00	0.05	0.824	
20	MC	1267	1481	0.22	7.65	0.006	0.99	8.89	0.003	-0.01	5.71	0.017	Uniform>
21	MC	1267	1481	0.06	0.44	0.505	0.61	2.16	0.142	-0.01	1.85	0.174	
22	MC	1267	1481	-0.13	2.14	0.144	0.59	2.82	0.093	-0.01	4.47	0.034	
23	MC	1267	1481	0.18	4.68	0.030	0.09	0.05	0.827	0.00	0.06	0.803	
24	MC	2146	3084	-0.62	90.69	0.000	0.64	6.07	0.014	-0.02	24.99	0.000	NonUniform
25	MC	879	1603	0.30	12.03	0.001	0.20	0.36	0.546	0.00	0.09	0.765	Uniform>
26	MC	879	1603	0.31	11.97	0.001	0.48	1.53	0.216	0.00	0.19	0.660	Uniform>
27	MC	879	1603	-0.05	0.41	0.522	-0.45	1.71	0.191	0.01	1.41	0.235	
28	MC	879	1603	0.01	0.02	0.899	-0.44	1.54	0.214	0.01	1.73	0.188	
29	MC	879	1603	-0.12	1.74	0.188	-0.91	5.51	0.019	0.01	4.41	0.036	
30	MC	879	1603	0.06	0.46	0.496	-0.28	0.50	0.481	0.01	0.78	0.378	
31	MC	879	1603	-0.07	0.56	0.455	0.93	5.97	0.015	-0.02	7.24	0.007	NonUniform
32	MC	879	1603	0.15	2.55	0.110	0.56	2.07	0.150	-0.01	1.19	0.276	
33	MC	879	1603	0.20	4.65	0.031	-0.01	0.00	0.973	0.00	0.29	0.587	
34	MC	879	1603	-0.23	4.22	0.040	0.05	0.02	0.896	-0.01	0.52	0.473	
35	MC	879	1603	-0.27	3.40	0.065	0.22	0.20	0.653	-0.01	1.10	0.295	
36	MC	1267	1481	0.31	4.57	0.033	0.46	0.91	0.341	0.00	0.10	0.751	
37	MC	1267	1481	0.19	5.31	0.021	0.36	1.04	0.309	0.00	0.25	0.616	
38	MC	1267	1481	-0.02	0.04	0.835	-0.40	1.12	0.291	0.01	1.07	0.300	
39	MC	1267	1481	-0.02	0.06	0.808	-0.25	0.42	0.515	0.00	0.37	0.541	
40	MC	1267	1481	0.19	5.42	0.020	0.60	3.13	0.077	-0.01	1.58	0.209	
41	MC	1267	1481	0.47	33.91	0.000	-0.10	0.11	0.746	0.01	3.51	0.061	Uniform>
42	MC	1267	1481	0.01	0.02	0.891	0.50	1.83	0.176	-0.01	1.87	0.172	
43	MC	1267	1481	-0.05	0.33	0.563	-0.58	2.69	0.101	0.01	2.40	0.122	
44	MC	1267	1481	-0.05	0.37	0.541	-0.61	2.55	0.110	0.01	2.25	0.134	
45	MC	1267	1481	-0.12	2.00	0.157	-0.40	1.12	0.290	0.00	0.59	0.444	
46	MC	1267	1481	-0.01	0.01	0.930	-0.12	0.11	0.741	0.00	0.10	0.750	
47	MC	1267	1481	-0.03	0.15	0.697	-0.43	1.28	0.257	0.01	1.15	0.283	
48	MC	1267	1481	-0.14	2.91	0.088	0.59	2.31	0.129	-0.01	3.74	0.053	
49	MC	1267	1481	-0.06	0.44	0.505	-0.02	0.00	0.959	0.00	0.01	0.910	
50	MC	1267	1481	0.02	0.04	0.848	-0.18	0.23	0.631	0.00	0.29	0.593	

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 10.248: 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
1	MC	879	353	0.68	10.00	0.002	0.61	0.65	0.418	0.00	0.01	0.932	Uniform>
2	MC	879	353	0.07	0.27	0.603	0.15	0.06	0.807	0.00	0.02	0.892	
3	MC	2146	661	0.34	13.41	0.000	0.45	1.16	0.281	0.00	0.08	0.780	Uniform>
4	MC	2146	661	0.21	5.05	0.025	0.34	0.58	0.444	0.00	0.09	0.764	
5	MC	2146	661	0.23	4.18	0.041	-0.01	0.00	0.976	0.00	0.25	0.615	
6	MC	2146	661	0.26	7.17	0.007	0.65	1.85	0.174	-0.01	0.71	0.400	Uniform>
7	MC	1267	308	0.06	0.14	0.705	1.39	3.36	0.067	-0.03	3.19	0.074	
8	MC	1267	308	-0.36	4.94	0.026	0.05	0.00	0.952	-0.01	0.29	0.588	
9	MC	879	353	-0.01	0.01	0.922	-0.81	1.79	0.181	0.02	1.84	0.175	
10	MC	879	353	0.04	0.09	0.767	-0.59	0.84	0.360	0.01	1.00	0.317	
11	MC	879	353	0.19	1.91	0.167	0.00	0.00	0.996	0.00	0.10	0.756	
12	MC	879	353	-0.03	0.04	0.848	0.53	0.62	0.432	-0.01	0.71	0.398	
13	MC	879	353	0.10	0.60	0.439	-0.33	0.28	0.594	0.01	0.52	0.472	
14	MC	879	353	0.28	3.65	0.056	-0.39	0.41	0.520	0.01	1.30	0.254	
15	MC	879	353	0.12	0.44	0.507	-0.56	0.66	0.418	0.01	1.02	0.312	
16	MC	879	353	-0.05	0.16	0.692	-0.40	0.45	0.501	0.01	0.36	0.550	
17	MC	879	353	0.39	8.28	0.004	-1.42	6.43	0.011	0.03	11.10	0.001	NonUniform
18	MC	2146	661	0.12	1.65	0.198	0.73	3.41	0.065	-0.01	2.53	0.112	
19	MC	1267	308	-0.29	5.14	0.023	0.00	0.00	1.000	-0.01	0.23	0.629	
20	MC	1267	308	0.35	7.04	0.008	1.30	3.95	0.047	-0.02	2.23	0.135	Uniform>
21	MC	1267	308	0.18	1.73	0.188	-0.16	0.05	0.828	0.01	0.23	0.634	
22	MC	1267	308	0.28	4.03	0.045	0.95	2.00	0.158	-0.01	1.05	0.306	
23	MC	1267	308	0.19	1.91	0.167	-0.15	0.04	0.837	0.01	0.23	0.631	
24	MC	2146	661	-0.66	40.80	0.000	0.28	0.37	0.545	-0.02	4.35	0.037	Uniform<
25	MC	879	353	0.14	1.26	0.262	-0.05	0.01	0.929	0.00	0.14	0.711	
26	MC	879	353	0.36	7.42	0.006	0.46	0.55	0.457	0.00	0.03	0.873	Uniform>
27	MC	879	353	-0.09	0.51	0.473	-0.41	0.57	0.452	0.01	0.36	0.549	
28	MC	879	353	0.16	1.49	0.222	-0.42	0.54	0.461	0.01	1.10	0.295	
29	MC	879	353	0.00	0.00	0.988	-0.97	2.70	0.100	0.02	2.84	0.092	
30	MC	879	353	0.28	4.15	0.042	0.20	0.09	0.763	0.00	0.02	0.897	
31	MC	879	353	-0.17	1.69	0.194	1.79	7.41	0.006	-0.03	9.39	0.002	NonUniform
32	MC	879	353	0.24	2.90	0.089	0.18	0.08	0.771	0.00	0.01	0.927	
33	MC	879	353	0.24	3.16	0.075	0.50	0.60	0.440	0.00	0.17	0.682	
34	MC	879	353	-0.20	1.47	0.225	-0.56	0.76	0.383	0.01	0.34	0.560	
35	MC	879	353	0.06	0.07	0.785	1.01	1.49	0.222	-0.02	1.41	0.236	
36	MC	1267	308	0.23	0.84	0.360	0.81	0.69	0.407	-0.01	0.37	0.544	
37	MC	1267	308	0.20	2.39	0.122	-0.35	0.31	0.581	0.01	0.80	0.372	
38	MC	1267	308	-0.09	0.45	0.503	-0.82	1.47	0.225	0.01	1.21	0.271	
39	MC	1267	308	0.19	1.69	0.194	-0.33	0.23	0.633	0.01	0.58	0.447	
40	MC	1267	308	0.21	2.55	0.110	0.25	0.16	0.689	0.00	0.01	0.942	
41	MC	1267	308	0.64	23.13	0.000	0.18	0.09	0.768	0.01	0.61	0.436	Uniform>
42	MC	1267	308	0.10	0.43	0.510	0.68	0.91	0.341	-0.01	0.68	0.409	
43	MC	1267	308	0.16	1.50	0.221	-0.19	0.08	0.778	0.01	0.29	0.592	
44	MC	1267	308	0.20	2.09	0.149	0.98	1.55	0.213	-0.01	1.01	0.315	
45	MC	1267	308	0.12	0.77	0.380	0.06	0.01	0.933	0.00	0.01	0.931	
46	MC	1267	308	0.24	3.10	0.078	-0.22	0.11	0.737	0.01	0.49	0.482	
47	MC	1267	308	-0.01	0.00	0.959	0.00	0.00	0.999	0.00	0.00	0.990	
48	MC	1267	308	-0.03	0.04	0.834	-0.20	0.09	0.771	0.00	0.07	0.799	
49	MC	1267	308	0.10	0.51	0.476	0.74	1.05	0.305	-0.01	0.82	0.366	
50	MC	1267	308	0.20	2.19	0.139	-0.17	0.06	0.808	0.01	0.29	0.591	

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 10.249: 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
1	MC	1250	353	-0.23	1.46	0.227	-0.16	0.05	0.815	0.00	0.01	0.922	
2	MC	1250	353	-0.02	0.03	0.867	-0.20	0.11	0.735	0.00	0.10	0.757	
3	MC	2423	661	0.03	0.11	0.746	-0.49	1.41	0.236	0.01	1.66	0.197	
4	MC	2423	661	0.10	1.10	0.295	0.17	0.16	0.694	0.00	0.03	0.861	
5	MC	2423	661	0.38	11.78	0.001	0.30	0.40	0.529	0.00	0.03	0.862	Uniform>
6	MC	2423	661	0.11	1.36	0.243	0.77	2.73	0.099	-0.01	2.10	0.147	
7	MC	1173	308	0.11	0.44	0.509	1.63	4.71	0.030	-0.03	4.26	0.039	
8	MC	1173	308	-0.23	1.84	0.175	-0.84	1.19	0.276	0.01	0.66	0.416	
9	MC	1250	353	-0.03	0.06	0.812	-0.51	0.85	0.356	0.01	0.80	0.372	
10	MC	1250	353	0.25	3.65	0.056	0.37	0.41	0.521	0.00	0.05	0.822	
11	MC	1250	353	0.22	2.89	0.089	0.79	1.97	0.161	-0.01	1.09	0.297	
12	MC	1250	353	0.41	9.44	0.002	0.07	0.01	0.913	0.01	0.30	0.582	Uniform>
13	MC	1250	353	-0.04	0.09	0.759	-0.80	1.93	0.164	0.01	1.83	0.176	
14	MC	1250	353	0.29	4.38	0.036	-0.26	0.23	0.634	0.01	1.07	0.300	
15	MC	1250	353	0.31	3.54	0.060	0.09	0.02	0.883	0.00	0.13	0.719	
16	MC	1250	353	-0.02	0.03	0.863	-0.48	0.75	0.387	0.01	0.71	0.398	
17	MC	1250	353	-0.03	0.05	0.829	-0.51	1.04	0.308	0.01	0.99	0.319	
18	MC	2423	661	0.24	6.89	0.009	0.13	0.11	0.739	0.00	0.09	0.758	Uniform>
19	MC	1173	308	-0.38	8.65	0.003	-0.14	0.05	0.825	0.00	0.17	0.683	Uniform<
20	MC	1173	308	0.18	1.87	0.171	0.38	0.33	0.564	0.00	0.09	0.758	
21	MC	1173	308	0.18	1.62	0.203	-0.92	1.56	0.212	0.02	2.31	0.128	
22	MC	1173	308	0.58	15.80	0.000	0.40	0.34	0.558	0.00	0.07	0.786	Uniform>
23	MC	1173	308	0.01	0.01	0.932	-0.27	0.15	0.701	0.00	0.17	0.683	
24	MC	2423	661	-0.06	0.31	0.580	-0.43	0.89	0.345	0.01	0.70	0.403	
25	MC	1250	353	-0.20	2.59	0.107	-0.32	0.40	0.525	0.00	0.06	0.805	
26	MC	1250	353	0.07	0.29	0.590	-0.01	0.00	0.989	0.00	0.02	0.893	
27	MC	1250	353	-0.04	0.12	0.726	0.04	0.01	0.934	0.00	0.03	0.862	
28	MC	1250	353	0.19	2.41	0.121	0.05	0.01	0.931	0.00	0.09	0.769	
29	MC	1250	353	0.16	1.48	0.224	-0.06	0.01	0.907	0.00	0.18	0.675	
30	MC	1250	353	0.28	4.63	0.031	0.59	0.96	0.327	-0.01	0.28	0.595	
31	MC	1250	353	-0.15	1.40	0.236	1.00	2.52	0.113	-0.02	3.52	0.061	
32	MC	1250	353	0.11	0.66	0.415	-0.44	0.53	0.468	0.01	0.87	0.351	
33	MC	1250	353	0.06	0.21	0.645	0.62	1.04	0.308	-0.01	0.89	0.345	
34	MC	1250	353	0.03	0.05	0.832	-0.74	1.53	0.216	0.02	1.82	0.178	
35	MC	1250	353	0.46	4.99	0.025	0.88	1.25	0.263	-0.01	0.31	0.579	
36	MC	1173	308	-0.09	0.14	0.712	0.41	0.18	0.671	-0.01	0.29	0.590	
37	MC	1173	308	0.03	0.06	0.803	-0.84	1.71	0.191	0.02	1.92	0.166	
38	MC	1173	308	-0.09	0.48	0.491	-0.50	0.57	0.450	0.01	0.40	0.529	
39	MC	1173	308	0.26	3.28	0.070	-0.10	0.02	0.881	0.01	0.29	0.590	
40	MC	1173	308	0.04	0.10	0.754	-0.41	0.40	0.525	0.01	0.51	0.474	
41	MC	1173	308	0.18	1.90	0.168	0.34	0.32	0.572	0.00	0.07	0.787	
42	MC	1173	308	0.14	0.77	0.381	0.21	0.08	0.773	0.00	0.01	0.926	
43	MC	1173	308	0.25	3.60	0.058	0.47	0.51	0.475	0.00	0.11	0.735	
44	MC	1173	308	0.30	4.54	0.033	1.85	5.65	0.018	-0.03	4.13	0.042	
45	MC	1173	308	0.30	4.56	0.033	0.57	0.62	0.431	0.00	0.15	0.703	
46	MC	1173	308	0.31	5.30	0.021	-0.11	0.03	0.870	0.01	0.42	0.519	
47	MC	1173	308	0.03	0.04	0.846	0.50	0.52	0.473	-0.01	0.48	0.487	
48	MC	1173	308	0.16	1.26	0.261	-0.92	1.77	0.184	0.02	2.50	0.114	
49	MC	1173	308	0.20	1.85	0.173	0.88	1.54	0.215	-0.01	0.98	0.323	
50	MC	1173	308	0.23	2.92	0.088	0.04	0.00	0.959	0.00	0.08	0.774	

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 10.250: 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
1	MC	19	353	12.69	0.00	0.974	13.77	0.00	0.974	-0.09	0.00	0.990	
2	MC	19	353	0.18	0.14	0.713	7.95	4.00	0.045	-0.13	3.77	0.052	
3	MC	35	661	-0.32	0.79	0.373	0.12	0.00	0.959	-0.01	0.04	0.848	
4	MC	35	661	-0.42	1.24	0.265	-4.21	1.95	0.163	0.07	1.63	0.202	
5	MC	35	661	0.16	0.13	0.716	-3.04	0.75	0.386	0.06	0.83	0.363	
6	MC	35	661	0.49	1.89	0.169	-8.61	4.26	0.039	0.16	4.84	0.028	
7	MC	16	308	0.24	0.13	0.723	5.91	2.24	0.135	-0.11	2.33	0.127	
8	MC	16	308	-0.44	0.55	0.457	-1.20	0.10	0.755	0.01	0.04	0.842	
9	MC	19	353	-0.20	0.15	0.696	-6.12	1.38	0.240	0.11	1.27	0.260	
10	MC	19	353	-1.52	5.49	0.019	-6.09	1.27	0.259	0.07	0.76	0.385	
11	MC	19	353	-0.62	1.59	0.207	2.96	0.76	0.384	-0.06	1.12	0.290	
12	MC	19	353	0.40	0.68	0.409	-4.64	1.03	0.310	0.09	1.22	0.269	
13	MC	19	353	-2.00	6.91	0.009	-13.31	2.24	0.134	0.18	1.77	0.183	Uniform<
14	MC	19	353	-0.71	2.14	0.143	-10.27	2.95	0.086	0.17	2.55	0.111	
15	MC	19	353	-1.13	4.65	0.031	-4.11	0.79	0.375	0.05	0.42	0.519	
16	MC	19	353	0.30	0.40	0.530	2.15	0.41	0.521	-0.03	0.31	0.577	
17	MC	19	353	-1.08	4.46	0.035	-4.13	1.12	0.290	0.05	0.63	0.427	
18	MC	35	661	0.90	4.35	0.037	7.40	5.49	0.019	-0.11	4.65	0.031	
19	MC	16	308	0.03	0.00	0.951	-2.43	0.48	0.488	0.05	0.51	0.477	
20	MC	16	308	-0.98	2.69	0.101	0.33	0.01	0.925	-0.02	0.14	0.710	
21	MC	16	308	-0.52	0.89	0.347	2.26	0.51	0.477	-0.05	0.78	0.378	
22	MC	16	308	1.05	2.48	0.115	2.66	0.47	0.493	-0.03	0.18	0.670	
23	MC	16	308	-0.57	0.89	0.346	-6.93	1.41	0.235	0.11	1.25	0.264	
24	MC	35	661	0.98	3.19	0.074	5.12	2.20	0.138	-0.08	1.59	0.207	
25	MC	19	353	-1.12	4.41	0.036	-4.71	1.31	0.252	0.06	0.79	0.374	
26	MC	19	353	-0.53	1.06	0.303	5.37	1.93	0.164	-0.10	2.28	0.131	
27	MC	19	353	-1.13	4.47	0.035	-5.12	1.47	0.225	0.07	0.93	0.335	
28	MC	19	353	0.35	0.53	0.466	-1.91	0.28	0.594	0.04	0.40	0.526	
29	MC	19	353	-0.60	1.54	0.214	-2.29	0.38	0.535	0.03	0.21	0.644	
30	MC	19	353	0.03	0.00	0.954	-2.30	0.34	0.557	0.04	0.36	0.549	
31	MC	19	353	-0.26	0.27	0.601	-7.52	1.89	0.169	0.12	1.79	0.181	
32	MC	19	353	-0.13	0.06	0.808	-5.25	1.38	0.240	0.09	1.37	0.242	
33	MC	19	353	-0.78	2.23	0.135	-0.32	0.01	0.932	-0.01	0.02	0.901	
34	MC	19	353	-0.20	0.11	0.741	-6.38	1.04	0.307	0.11	0.95	0.329	
35	MC	19	353	12.40	0.00	0.974	15.12	0.00	0.971	-0.12	0.00	0.987	
36	MC	16	308	0.08	0.01	0.940	1.67	0.07	0.792	-0.03	0.07	0.795	
37	MC	16	308	0.41	0.63	0.428	2.96	0.94	0.332	-0.05	0.72	0.397	
38	MC	16	308	-0.48	0.73	0.392	-6.97	1.71	0.191	0.11	1.55	0.214	
39	MC	16	308	0.03	0.00	0.961	3.15	1.01	0.315	-0.06	1.04	0.307	
40	MC	16	308	-0.71	1.60	0.206	1.12	0.12	0.733	-0.03	0.31	0.575	
41	MC	16	308	0.11	0.05	0.827	-0.34	0.01	0.914	0.01	0.02	0.884	
42	MC	16	308	-0.93	2.89	0.089	-2.02	0.31	0.580	0.02	0.09	0.763	
43	MC	16	308	-0.11	0.04	0.837	-4.68	1.16	0.282	0.08	1.14	0.285	
44	MC	16	308	0.16	0.09	0.768	5.73	3.40	0.065	-0.10	3.37	0.067	
45	MC	16	308	-1.16	2.25	0.134	5.89	1.47	0.225	-0.13	1.89	0.170	
46	MC	16	308	-0.67	1.42	0.233	-14.02	2.29	0.130	0.23	2.20	0.138	
47	MC	16	308	-0.45	0.56	0.453	-18.72	1.49	0.223	0.31	1.49	0.222	
48	MC	16	308	-0.15	0.07	0.785	6.19	2.88	0.089	-0.12	2.93	0.087	
49	MC	16	308	-0.01	0.00	0.990	-3.05	0.55	0.460	0.05	0.57	0.449	
50	MC	16	308	0.06	0.01	0.911	7.78	4.37	0.037	-0.14	4.21	0.040	

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 10.251: 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
1	MC	1853	2482	0.46	5.45	0.020	1.54	2.64	0.104	-0.02	1.40	0.236	
2	MC	1853	2482	-0.07	0.97	0.325	-4.42	81.44	0.000	0.06	81.92	0.000	NonUniform
3	MC	3801	5230	-0.07	1.67	0.197	-1.48	25.31	0.000	0.02	23.83	0.000	NonUniform
4	MC	3801	5230	0.01	0.06	0.800	-2.01	44.84	0.000	0.03	47.09	0.000	NonUniform
5	MC	3801	5230	-0.01	0.01	0.927	-1.80	16.19	0.000	0.03	16.46	0.000	NonUniform
6	MC	3801	5230	0.00	0.01	0.924	-3.33	111.05	0.000	0.05	115.88	0.000	NonUniform
7	MC	1948	2748	0.10	0.94	0.333	-1.71	9.38	0.002	0.03	10.81	0.001	NonUniform
8	MC	1948	2748	0.45	16.44	0.000	0.50	0.70	0.402	0.00	0.01	0.938	Uniform>
9	MC	1853	2482	0.17	2.72	0.099	-2.47	17.81	0.000	0.04	20.72	0.000	NonUniform
10	MC	1853	2482	0.20	6.93	0.008	-1.13	6.46	0.011	0.02	9.28	0.002	NonUniform
11	MC	1853	2482	0.11	1.62	0.204	-3.57	47.58	0.000	0.06	51.70	0.000	NonUniform
12	MC	1853	2482	-0.03	0.17	0.678	-4.54	75.91	0.000	0.07	77.41	0.000	NonUniform
13	MC	1853	2482	0.14	3.18	0.074	-1.10	6.14	0.013	0.02	8.02	0.005	NonUniform
14	MC	1853	2482	-0.05	0.26	0.612	-3.04	27.89	0.000	0.05	27.50	0.000	NonUniform
15	MC	1853	2482	0.22	2.13	0.145	-2.23	7.45	0.006	0.04	9.09	0.003	NonUniform
16	MC	1853	2482	-0.07	0.88	0.348	-2.12	24.48	0.000	0.03	23.80	0.000	NonUniform
17	MC	1853	2482	-0.09	1.23	0.268	-4.11	70.81	0.000	0.06	69.68	0.000	NonUniform
18	MC	3801	5230	0.00	0.00	0.978	-0.32	1.30	0.254	0.00	1.34	0.247	
19	MC	1948	2748	0.03	0.14	0.712	-1.35	12.56	0.000	0.02	13.55	0.000	NonUniform
20	MC	1948	2748	-0.21	7.85	0.005	-3.63	69.97	0.000	0.05	64.68	0.000	NonUniform
21	MC	1948	2748	-0.25	9.43	0.002	-2.97	33.45	0.000	0.04	28.97	0.000	NonUniform
22	MC	1948	2748	-0.22	5.83	0.016	-3.52	47.27	0.000	0.05	42.80	0.000	NonUniform
23	MC	1948	2748	-0.06	0.77	0.379	-2.03	21.95	0.000	0.03	21.35	0.000	NonUniform
24	MC	3801	5230	0.85	126.92	0.000	0.68	2.78	0.095	0.00	0.19	0.661	Uniform>
25	MC	1853	2482	-0.02	0.06	0.805	-2.20	29.27	0.000	0.03	29.88	0.000	NonUniform
26	MC	1853	2482	-0.04	0.27	0.605	-4.21	71.10	0.000	0.06	72.10	0.000	NonUniform
27	MC	1853	2482	-0.18	5.57	0.018	-3.84	77.78	0.000	0.05	73.69	0.000	NonUniform
28	MC	1853	2482	-0.14	3.74	0.053	-3.06	52.14	0.000	0.04	49.48	0.000	NonUniform
29	MC	1853	2482	-0.14	2.79	0.095	-3.85	59.05	0.000	0.06	56.57	0.000	NonUniform
30	MC	1853	2482	-0.15	3.73	0.053	-5.03	93.79	0.000	0.07	91.39	0.000	NonUniform
31	MC	1853	2482	0.15	4.32	0.038	-2.93	41.83	0.000	0.04	48.06	0.000	NonUniform
32	MC	1853	2482	-0.11	2.05	0.152	-4.28	80.14	0.000	0.06	79.77	0.000	NonUniform
33	MC	1853	2482	-0.07	0.74	0.391	-2.64	30.82	0.000	0.04	30.21	0.000	NonUniform
34	MC	1853	2482	0.15	1.30	0.253	-2.35	11.47	0.001	0.04	13.12	0.000	NonUniform
35	MC	1853	2482	0.60	6.15	0.013	0.95	0.72	0.397	-0.01	0.10	0.753	
36	MC	1948	2748	-0.02	0.01	0.935	-1.64	2.94	0.087	0.03	2.92	0.087	
37	MC	1948	2748	0.04	0.35	0.555	-2.75	42.41	0.000	0.04	45.39	0.000	NonUniform
38	MC	1948	2748	-0.01	0.02	0.902	-4.19	75.58	0.000	0.06	78.03	0.000	NonUniform
39	MC	1948	2748	-0.21	5.80	0.016	-1.59	10.37	0.001	0.02	8.02	0.005	NonUniform
40	MC	1948	2748	-0.13	3.20	0.074	-1.57	15.38	0.000	0.02	13.44	0.000	NonUniform
41	MC	1948	2748	-0.18	5.92	0.015	-2.65	43.52	0.000	0.04	39.12	0.000	NonUniform
42	MC	1948	2748	0.02	0.03	0.872	-1.17	4.67	0.031	0.02	4.95	0.026	
43	MC	1948	2748	-0.43	36.83	0.000	-1.63	16.84	0.000	0.02	9.43	0.002	NonUniform
44	MC	1948	2748	0.01	0.03	0.872	-2.55	25.86	0.000	0.04	26.87	0.000	NonUniform
45	MC	1948	2748	-0.15	4.37	0.037	-4.32	85.32	0.000	0.06	82.98	0.000	NonUniform
46	MC	1948	2748	0.07	0.71	0.400	-3.85	60.49	0.000	0.06	64.36	0.000	NonUniform
47	MC	1948	2748	-0.09	1.49	0.223	-1.16	8.33	0.004	0.02	7.40	0.007	NonUniform
48	MC	1948	2748	0.18	6.49	0.011	-3.37	53.02	0.000	0.05	61.11	0.000	NonUniform
49	MC	1948	2748	0.06	0.69	0.407	0.10	0.06	0.802	0.00	0.01	0.927	
50	MC	1948	2748	0.16	4.68	0.031	-3.53	55.94	0.000	0.06	63.13	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 10.252: 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
1	MC	0	4335	0.00				0.00				0.00	
2	MC	0	4335	0.00				0.00				0.00	
3	MC	1	9030	9.29	0.00	0.956		9.29	0.00	0.956		0.00	
4	MC	1	9030	9.47	0.00	0.954		9.47	0.00	0.954		0.00	
5	MC	1	9030	7.89	0.00	0.972		7.89	0.00	0.972		0.00	
6	MC	1	9030	-10.59	0.00	0.949		-10.59	0.00	0.949		0.00	
7	MC	1	4695	-13.96	0.00	0.961		-13.96	0.00	0.961		0.00	
8	MC	1	4695	8.80	0.00	0.980		8.80	0.00	0.980		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	0	4335	0.00				0.00				0.00	
14	MC	0	4335	0.00				0.00				0.00	
15	MC	0	4335	0.00				0.00				0.00	
16	MC	0	4335	0.00				0.00				0.00	
17	MC	0	4335	0.00				0.00				0.00	
18	MC	1	9030	-11.62	0.00	0.952		-11.62	0.00	0.952		0.00	
19	MC	1	4695	-11.54	0.00	0.966		-11.54	0.00	0.966		0.00	
20	MC	1	4695	10.34	0.00	0.970		10.34	0.00	0.970		0.00	
21	MC	1	4695	-12.92	0.00	0.964		-12.92	0.00	0.964		0.00	
22	MC	1	4695	9.53	0.00	0.976		9.53	0.00	0.976		0.00	
23	MC	1	4695	-11.79	0.00	0.965		-11.79	0.00	0.965		0.00	
24	MC	1	9030	8.30	0.00	0.967		8.30	0.00	0.967		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	1	4695	6.97	0.00	0.985		6.97	0.00	0.985		0.00	
37	MC	1	4695	10.59	0.00	0.969		10.59	0.00	0.969		0.00	
38	MC	1	4695	-11.98	0.00	0.965		-11.98	0.00	0.965		0.00	
39	MC	1	4695	9.42	0.00	0.976		9.42	0.00	0.976		0.00	
40	MC	1	4695	10.41	0.00	0.970		10.41	0.00	0.970		0.00	
41	MC	1	4695	10.30	0.00	0.972		10.30	0.00	0.972		0.00	
42	MC	1	4695	9.20	0.00	0.980		9.20	0.00	0.980		0.00	
43	MC	1	4695	-11.55	0.00	0.966		-11.55	0.00	0.966		0.00	
44	MC	1	4695	9.57	0.00	0.974		9.57	0.00	0.974		0.00	
45	MC	1	4695	-11.52	0.00	0.967		-11.52	0.00	0.967		0.00	
46	MC	1	4695	-12.70	0.00	0.965		-12.70	0.00	0.965		0.00	
47	MC	1	4695	11.16	0.00	0.968		11.16	0.00	0.968		0.00	
48	MC	1	4695	10.61	0.00	0.969		10.61	0.00	0.969		0.00	
49	MC	1	4695	11.19	0.00	0.955		11.19	0.00	0.955		0.00	
50	MC	1	4695	10.34	0.00	0.970		10.34	0.00	0.970		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, 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 10.253: 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
51	MC	1191	1556	-0.01	0.01	0.905	-0.32	0.76	0.383	0.01	0.75	0.385	
52	MC	1191	1556	0.17	2.28	0.131	0.26	0.45	0.502	0.00	0.06	0.806	
53	MC	1118	1363	-0.20	4.92	0.027	-0.43	1.07	0.300	0.00	0.31	0.575	
54	MC	1118	1363	0.06	0.39	0.532	-0.35	0.88	0.349	0.01	1.31	0.253	
55	MC	1191	1556	0.24	3.28	0.070	-0.42	0.92	0.336	0.01	2.46	0.117	
56	MC	1191	1556	0.00	0.00	0.973	-0.50	1.88	0.171	0.01	1.96	0.161	
57	MC	1191	1556	0.06	0.53	0.466	0.33	0.86	0.355	0.00	0.61	0.436	
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	1191	1556	0.05	0.27	0.605	-0.50	1.59	0.207	0.01	2.03	0.154	
60	MC	1118	1363	0.11	1.25	0.264	0.14	0.12	0.727	0.00	0.00	0.946	
61	MC	1118	1363	0.11	1.55	0.213	-0.51	1.67	0.197	0.01	2.63	0.105	
62	MC	1191	1556	0.16	3.71	0.054	0.13	0.12	0.727	0.00	0.01	0.929	
63	MC	2309	2919	-0.18	6.32	0.012	-0.11	0.13	0.717	0.00	0.06	0.809	
64	MC	1118	1363	0.03	0.11	0.742	-0.57	1.97	0.160	0.01	2.32	0.128	
65	MC	1118	1363	0.25	6.66	0.010	-0.02	0.00	0.960	0.01	0.61	0.434	Uniform>
66	MC	1191	1556	-0.08	0.85	0.356	-0.47	1.70	0.192	0.01	1.27	0.261	
67	MC	1191	1556	-0.02	0.04	0.848	-1.02	7.72	0.005	0.02	7.94	0.005	NonUniform
68	MC	1191	1556	-0.27	8.00	0.005	-0.08	0.04	0.840	0.00	0.27	0.604	Uniform<
69	MC	1118	1363	0.43	10.13	0.001	0.19	0.23	0.633	0.01	0.39	0.534	Uniform>
70	MC	1118	1363	-0.16	2.42	0.120	-0.22	0.30	0.584	0.00	0.03	0.874	
71	MC	1118	1363	-0.29	9.69	0.002	-1.11	8.46	0.004	0.01	4.97	0.026	Uniform<
72	MC	1191	1556	0.12	2.48	0.116	0.31	0.90	0.342	0.00	0.35	0.556	
73	MC	1118	1363	0.05	0.39	0.532	-1.28	11.54	0.001	0.02	13.33	0.000	NonUniform
74	MC	1191	1556	-0.08	1.11	0.292	0.21	0.40	0.529	-0.01	0.83	0.363	
75	MC	1118	1363	-0.11	1.47	0.225	-0.72	3.99	0.046	0.01	3.10	0.078	
76	MC	1118	1363	-0.22	6.39	0.012	-0.29	0.68	0.410	0.00	0.04	0.838	
77	MC	1118	1363	0.17	3.15	0.076	-0.34	0.74	0.389	0.01	1.82	0.178	
78	MC	2309	2919	-0.27	19.19	0.000	-0.23	0.73	0.394	0.00	0.03	0.856	Uniform<
79	MC	1191	1556	-0.17	3.34	0.068	-0.27	0.39	0.534	0.00	0.05	0.816	
80	MC	1191	1556	0.11	1.87	0.171	0.78	6.25	0.012	-0.01	4.97	0.026	
81	MC	2309	2919	-0.05	0.49	0.483	-1.24	15.54	0.000	0.02	15.18	0.000	NonUniform
82	MC	2309	2919	0.36	29.82	0.000	-0.01	0.00	0.984	0.01	1.75	0.186	Uniform>
83	ER	1191	1556	0.41	27.65	0.000	0.21	0.51	0.473	0.00	0.45	0.502	Uniform>
84	ER	1118	1363	0.41	23.50	0.000	0.48	2.82	0.093	0.00	0.07	0.785	Uniform>
85	ER	1191	1556	0.34	19.16	0.000	0.13	0.19	0.664	0.00	0.56	0.454	Uniform>
86	ER	1118	1363	0.39	22.23	0.000	0.16	0.32	0.574	0.00	0.65	0.419	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.254: 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
51	MC	1933	815	-0.17	3.86	0.049	-0.38	0.97	0.325	0.00	0.30	0.584	
52	MC	1933	815	-0.16	1.68	0.194	-0.02	0.00	0.970	0.00	0.12	0.725	
53	MC	1549	933	0.12	1.68	0.194	-0.35	0.74	0.389	0.01	1.42	0.234	
54	MC	1549	933	0.00	0.00	0.992	0.07	0.04	0.851	0.00	0.04	0.848	
55	MC	1933	815	0.10	0.49	0.484	1.07	4.99	0.025	-0.02	4.43	0.035	
56	MC	1933	815	-0.33	12.61	0.000	-0.25	0.38	0.535	0.00	0.05	0.823	Uniform<
57	MC	1933	815	-0.05	0.38	0.540	0.48	1.49	0.222	-0.01	1.94	0.163	
58	MC	1549	933	-0.23	6.32	0.012	0.32	0.88	0.349	-0.01	2.82	0.093	
59	MC	1933	815	-0.18	3.34	0.068	-0.33	0.59	0.441	0.00	0.12	0.727	
60	MC	1549	933	-0.15	1.97	0.160	-0.17	0.19	0.663	0.00	0.01	0.944	
61	MC	1549	933	-0.11	1.49	0.223	-0.85	4.91	0.027	0.01	3.92	0.048	
62	MC	1933	815	0.18	4.30	0.038	0.21	0.27	0.600	0.00	0.00	0.946	
63	MC	3482	1748	-0.14	3.77	0.052	-0.43	1.95	0.163	0.00	0.90	0.343	
64	MC	1549	933	0.00	0.00	0.960	-0.19	0.23	0.630	0.00	0.26	0.611	
65	MC	1549	933	-0.18	3.04	0.081	0.28	0.58	0.446	-0.01	1.69	0.194	
66	MC	1933	815	-0.17	3.81	0.051	0.28	0.52	0.472	-0.01	1.41	0.235	
67	MC	1933	815	0.00	0.00	0.961	-0.92	5.78	0.016	0.02	6.13	0.013	
68	MC	1933	815	-0.41	14.66	0.000	-0.71	2.98	0.084	0.01	0.58	0.445	Uniform<
69	MC	1549	933	0.44	11.64	0.001	1.82	20.96	0.000	-0.03	13.44	0.000	NonUniform
70	MC	1549	933	-0.22	4.63	0.031	0.60	2.36	0.124	-0.01	4.73	0.030	
71	MC	1549	933	0.17	3.48	0.062	0.86	5.25	0.022	-0.01	3.57	0.059	
72	MC	1933	815	0.00	0.00	0.966	0.70	3.53	0.060	-0.01	3.71	0.054	
73	MC	1549	933	-0.16	3.03	0.082	-0.74	4.17	0.041	0.01	2.77	0.096	
74	MC	1933	815	-0.01	0.01	0.904	-0.34	0.91	0.340	0.01	0.91	0.341	
75	MC	1549	933	0.53	34.70	0.000	-0.41	1.35	0.245	0.02	7.44	0.006	NonUniform
76	MC	1549	933	-0.24	7.66	0.006	-0.07	0.04	0.845	0.00	0.28	0.594	Uniform<
77	MC	1549	933	-0.62	39.71	0.000	-1.23	10.10	0.001	0.01	2.67	0.103	Uniform<
78	MC	3482	1748	-0.38	32.50	0.000	0.17	0.37	0.546	-0.01	4.13	0.042	Uniform<
79	MC	1933	815	0.13	1.59	0.208	0.22	0.20	0.651	0.00	0.04	0.849	
80	MC	1933	815	0.78	81.47	0.000	0.55	2.44	0.118	0.00	0.45	0.505	Uniform>
81	MC	3482	1748	0.19	7.01	0.008	-0.06	0.04	0.843	0.00	0.64	0.423	Uniform>
82	MC	3482	1748	-0.22	10.12	0.001	-0.51	3.11	0.078	0.01	1.05	0.305	Uniform<
83	ER	1933	815	-0.36	18.28	0.000	-0.58	3.17	0.075	0.00	0.49	0.486	Uniform<
84	ER	1549	933	-0.39	20.95	0.000	0.43	2.34	0.126	-0.02	9.37	0.002	NonUniform
85	ER	1933	815	-0.22	6.70	0.010	-0.46	2.08	0.149	0.00	0.62	0.431	Uniform<
86	ER	1549	933	-0.18	4.46	0.035	0.80	7.64	0.006	-0.02	12.48	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.255: 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
51	MC	156	2592	-0.45	5.88	0.015	-0.71	0.53	0.468	0.00	0.07	0.786	
52	MC	156	2592	-0.67	10.26	0.001	-1.33	2.13	0.144	0.01	0.55	0.460	Uniform<
53	MC	165	2317	1.33	33.21	0.000	-0.49	0.15	0.700	0.03	2.10	0.147	Uniform>
54	MC	165	2317	0.35	2.10	0.147	-0.75	0.40	0.526	0.02	0.89	0.346	
55	MC	156	2592	0.55	2.42	0.120	-0.57	0.23	0.632	0.02	0.94	0.332	
56	MC	156	2592	0.36	3.59	0.058	-0.73	0.56	0.455	0.02	1.30	0.255	
57	MC	156	2592	0.29	2.94	0.087	-0.38	0.19	0.666	0.01	0.61	0.434	
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	156	2592	0.03	0.03	0.870	-0.03	0.00	0.974	0.00	0.00	0.946	
60	MC	165	2317	-0.31	2.25	0.134	-1.19	1.03	0.310	0.01	0.58	0.448	
61	MC	165	2317	-0.58	10.60	0.001	-3.61	7.88	0.005	0.05	5.66	0.017	Uniform<
62	MC	156	2592	-0.17	0.95	0.330	0.44	0.27	0.605	-0.01	0.53	0.465	
63	MC	321	4909	-0.14	0.92	0.338	-1.83	4.87	0.027	0.03	4.44	0.035	
64	MC	165	2317	0.11	0.39	0.535	-1.28	1.55	0.213	0.02	1.90	0.168	
65	MC	165	2317	0.05	0.05	0.819	-1.54	1.76	0.184	0.03	1.92	0.165	
66	MC	156	2592	-0.04	0.05	0.832	0.23	0.08	0.783	0.00	0.11	0.745	
67	MC	156	2592	-0.47	5.73	0.017	-0.91	0.79	0.373	0.01	0.19	0.663	
68	MC	156	2592	1.16	17.89	0.000	-0.21	0.03	0.853	0.03	1.47	0.225	Uniform>
69	MC	165	2317	-0.22	0.56	0.455	-1.69	1.97	0.160	0.03	1.54	0.215	
70	MC	165	2317	0.14	0.55	0.459	0.52	0.31	0.577	-0.01	0.17	0.679	
71	MC	165	2317	0.11	0.32	0.570	-2.81	4.93	0.026	0.05	5.40	0.020	
72	MC	156	2592	-0.01	0.01	0.933	-1.20	1.85	0.174	0.02	1.89	0.169	
73	MC	165	2317	0.04	0.05	0.822	-2.11	3.86	0.049	0.03	4.11	0.043	
74	MC	156	2592	-0.17	0.95	0.331	-0.23	0.08	0.780	0.00	0.01	0.937	
75	MC	165	2317	0.16	0.85	0.356	-4.18	10.50	0.001	0.07	11.47	0.001	NonUniform
76	MC	165	2317	0.00	0.00	0.995	-2.01	4.10	0.043	0.03	4.26	0.039	
77	MC	165	2317	-0.39	3.63	0.057	-1.07	0.90	0.343	0.01	0.38	0.538	
78	MC	321	4909	0.87	33.36	0.000	-1.63	3.79	0.052	0.05	9.04	0.003	NonUniform
79	MC	156	2592	-0.06	0.11	0.746	-1.29	1.22	0.269	0.02	1.16	0.281	
80	MC	156	2592	-0.69	16.35	0.000	-0.76	0.89	0.345	0.00	0.01	0.933	Uniform<
81	MC	321	4909	-0.07	0.28	0.598	-1.09	2.06	0.151	0.02	1.89	0.169	
82	MC	321	4909	-0.45	11.04	0.001	-1.62	4.17	0.041	0.02	2.25	0.133	Uniform<
83	ER	156	2592	0.10	0.37	0.546	0.67	0.84	0.361	-0.01	0.62	0.430	
84	ER	165	2317	0.03	0.03	0.863	-0.39	0.26	0.608	0.01	0.32	0.572	
85	ER	156	2592	0.17	1.09	0.297	0.02	0.00	0.980	0.00	0.05	0.827	
86	ER	165	2317	-0.22	1.70	0.192	0.47	0.39	0.532	-0.01	0.87	0.350	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.256: 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
51	MC	340	2408	-0.23	3.25	0.072	-1.75	5.03	0.025	0.03	3.96	0.047	
52	MC	340	2408	-0.82	33.25	0.000	-1.95	7.04	0.008	0.02	2.46	0.117	Uniform<
53	MC	294	2188	0.66	23.06	0.000	0.08	0.01	0.921	0.01	0.59	0.444	Uniform>
54	MC	294	2188	-0.17	1.37	0.243	-1.29	2.72	0.099	0.02	2.13	0.144	
55	MC	340	2408	-0.63	14.24	0.000	-0.80	1.01	0.314	0.00	0.05	0.826	Uniform<
56	MC	340	2408	0.00	0.00	0.968	-0.05	0.00	0.947	0.00	0.00	0.952	
57	MC	340	2408	-0.39	9.36	0.002	-0.93	1.56	0.211	0.01	0.54	0.461	Uniform<
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	340	2408	0.24	3.21	0.073	1.28	3.29	0.070	-0.02	2.21	0.137	
60	MC	294	2188	-0.32	5.14	0.023	0.82	1.37	0.242	-0.02	2.75	0.097	
61	MC	294	2188	-0.51	14.63	0.000	-0.47	0.37	0.544	0.00	0.00	0.952	Uniform<
62	MC	340	2408	-0.55	19.29	0.000	-0.39	0.29	0.588	0.00	0.05	0.820	Uniform<
63	MC	634	4596	0.07	0.40	0.527	1.80	10.99	0.001	-0.03	10.24	0.001	NonUniform
64	MC	294	2188	-0.13	0.79	0.374	1.86	6.38	0.012	-0.04	7.37	0.007	NonUniform
65	MC	294	2188	-1.04	59.38	0.000	-1.21	2.71	0.100	0.00	0.06	0.813	Uniform<
66	MC	340	2408	-0.37	7.95	0.005	0.60	0.74	0.391	-0.02	1.95	0.163	Uniform<
67	MC	340	2408	-0.05	0.14	0.709	0.26	0.14	0.712	-0.01	0.20	0.656	
68	MC	340	2408	0.84	28.62	0.000	-1.25	2.03	0.154	0.04	5.75	0.017	Uniform>
69	MC	294	2188	-0.94	32.47	0.000	0.16	0.05	0.821	-0.02	2.57	0.109	Uniform<
70	MC	294	2188	0.08	0.25	0.615	1.76	5.85	0.016	-0.03	5.41	0.020	
71	MC	294	2188	-0.11	0.72	0.397	-1.09	2.08	0.150	0.02	1.73	0.189	
72	MC	340	2408	-0.14	1.30	0.255	-2.30	9.80	0.002	0.04	9.04	0.003	NonUniform
73	MC	294	2188	-0.42	9.65	0.002	-0.26	0.12	0.725	0.00	0.04	0.832	Uniform<
74	MC	340	2408	0.22	3.41	0.065	0.53	0.72	0.398	-0.01	0.26	0.612	
75	MC	294	2188	-0.11	0.75	0.387	-0.85	1.32	0.251	0.01	1.03	0.311	
76	MC	294	2188	-0.47	12.14	0.000	0.41	0.34	0.559	-0.02	1.64	0.200	Uniform<
77	MC	294	2188	-0.83	19.23	0.000	1.24	1.94	0.163	-0.04	5.35	0.021	Uniform<
78	MC	634	4596	0.39	18.09	0.000	-0.88	2.67	0.102	0.02	5.76	0.016	Uniform>
79	MC	340	2408	-0.18	1.41	0.234	0.46	0.32	0.573	-0.01	0.62	0.432	
80	MC	340	2408	-0.66	30.52	0.000	-1.79	6.96	0.008	0.02	2.87	0.090	Uniform<
81	MC	634	4596	-0.19	3.14	0.076	0.73	1.57	0.210	-0.02	2.54	0.111	
82	MC	634	4596	-0.54	34.99	0.000	-1.19	4.53	0.033	0.01	1.37	0.243	Uniform<
83	ER	340	2408	-0.19	2.79	0.095	1.14	3.68	0.055	-0.03	5.20	0.023	
84	ER	294	2188	-0.30	5.73	0.017	0.74	1.51	0.219	-0.02	3.14	0.076	
85	ER	340	2408	-0.07	0.43	0.514	1.85	9.95	0.002	-0.04	11.07	0.001	NonUniform
86	ER	294	2188	-0.23	3.31	0.069	0.61	1.05	0.307	-0.02	2.05	0.152	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.257: 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
51	MC	1267	1481	-0.16	3.83	0.050	0.18	0.24	0.625	-0.01	0.93	0.335	
52	MC	1267	1481	0.21	3.61	0.058	-0.06	0.02	0.880	0.01	0.53	0.468	
53	MC	879	1603	-0.09	0.99	0.319	-0.13	0.09	0.760	0.00	0.01	0.925	
54	MC	879	1603	-0.12	1.36	0.243	-0.25	0.40	0.528	0.00	0.12	0.730	
55	MC	1267	1481	0.15	1.42	0.234	1.05	6.11	0.013	-0.02	4.95	0.026	
56	MC	1267	1481	-0.27	10.31	0.001	0.75	4.26	0.039	-0.02	8.37	0.004	NonUniform
57	MC	1267	1481	-0.11	1.72	0.190	0.66	3.47	0.063	-0.01	4.94	0.026	
58	MC	879	1603	-0.09	1.01	0.314	0.28	0.61	0.434	-0.01	1.16	0.282	
59	MC	1267	1481	-0.14	2.12	0.145	0.21	0.29	0.588	-0.01	0.83	0.361	
60	MC	879	1603	-0.03	0.11	0.736	0.08	0.03	0.858	0.00	0.07	0.787	
61	MC	879	1603	0.00	0.00	0.964	-0.54	1.60	0.206	0.01	1.71	0.191	
62	MC	1267	1481	0.18	4.85	0.028	-0.31	0.74	0.391	0.01	1.92	0.166	
63	MC	2146	3084	-0.10	1.78	0.182	-0.08	0.07	0.798	0.00	0.00	0.952	
64	MC	879	1603	0.07	0.51	0.475	-0.19	0.19	0.663	0.00	0.37	0.541	
65	MC	879	1603	-0.05	0.22	0.642	-0.01	0.00	0.981	0.00	0.01	0.919	
66	MC	1267	1481	0.12	1.98	0.160	0.53	2.19	0.139	-0.01	1.41	0.235	
67	MC	1267	1481	-0.05	0.41	0.524	-0.22	0.39	0.533	0.00	0.24	0.626	
68	MC	1267	1481	-0.44	21.78	0.000	0.04	0.01	0.915	-0.01	1.72	0.189	Uniform<
69	MC	879	1603	0.51	12.36	0.000	1.50	10.32	0.001	-0.02	5.14	0.023	Uniform>
70	MC	879	1603	0.01	0.00	0.944	0.59	2.01	0.156	-0.01	2.08	0.149	
71	MC	879	1603	0.06	0.47	0.495	0.80	4.34	0.037	-0.01	3.91	0.048	
72	MC	1267	1481	-0.09	1.32	0.250	0.98	8.93	0.003	-0.02	11.31	0.001	NonUniform
73	MC	879	1603	-0.07	0.63	0.426	-0.43	1.20	0.272	0.01	0.89	0.346	
74	MC	1267	1481	0.14	2.92	0.087	-0.41	1.49	0.222	0.01	2.82	0.093	
75	MC	879	1603	0.23	6.55	0.010	-0.25	0.44	0.508	0.01	1.67	0.196	
76	MC	879	1603	-0.17	3.87	0.049	-0.76	3.98	0.046	0.01	2.51	0.113	
77	MC	879	1603	-0.13	1.56	0.212	-1.47	10.56	0.001	0.02	9.48	0.002	NonUniform
78	MC	2146	3084	-0.50	63.41	0.000	0.32	1.44	0.230	-0.01	9.93	0.002	NonUniform
79	MC	1267	1481	0.07	0.58	0.444	1.27	8.80	0.003	-0.02	8.24	0.004	NonUniform
80	MC	1267	1481	0.61	59.52	0.000	0.09	0.09	0.770	0.01	2.88	0.090	Uniform>
81	MC	2146	3084	-0.15	4.60	0.032	-0.55	2.92	0.088	0.01	1.65	0.199	
82	MC	2146	3084	-0.05	0.62	0.433	-0.31	1.17	0.279	0.00	0.87	0.352	
83	ER	1267	1481	-0.23	8.66	0.003	-0.02	0.00	0.954	0.00	0.53	0.468	Uniform<
84	ER	879	1603	-0.17	4.15	0.042	0.65	4.50	0.034	-0.01	7.93	0.005	NonUniform
85	ER	1267	1481	-0.02	0.08	0.784	0.35	1.47	0.225	-0.01	1.78	0.183	
86	ER	879	1603	0.03	0.10	0.752	0.85	7.61	0.006	-0.01	7.78	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, 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 10.258: 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
51	MC	1267	308	-0.26	3.93	0.047	0.37	0.31	0.578	-0.01	0.94	0.332	
52	MC	1267	308	0.44	6.33	0.012	-0.61	0.73	0.394	0.02	2.32	0.128	
53	MC	879	353	-0.37	6.88	0.009	-0.75	1.35	0.246	0.01	0.37	0.543	Uniform<
54	MC	879	353	-0.03	0.03	0.856	0.15	0.05	0.823	0.00	0.07	0.784	
55	MC	1267	308	-0.19	0.63	0.426	0.73	0.65	0.419	-0.02	1.08	0.299	
56	MC	1267	308	-0.19	2.01	0.157	1.20	2.78	0.095	-0.03	3.90	0.048	
57	MC	1267	308	0.02	0.02	0.880	0.49	0.54	0.461	-0.01	0.52	0.470	
58	MC	879	353	0.07	0.27	0.601	0.66	1.27	0.260	-0.01	1.07	0.300	
59	MC	1267	308	-0.19	1.52	0.218	-0.29	0.17	0.684	0.00	0.02	0.881	
60	MC	879	353	-0.11	0.48	0.490	-0.14	0.05	0.830	0.00	0.00	0.955	
61	MC	879	353	0.29	4.37	0.037	0.93	1.64	0.200	-0.01	0.80	0.371	
62	MC	1267	308	0.39	8.11	0.004	0.66	0.83	0.363	0.00	0.15	0.701	Uniform>
63	MC	2146	661	-0.08	0.51	0.474	-0.76	2.22	0.136	0.01	1.84	0.175	
64	MC	879	353	-0.01	0.00	0.971	-0.48	0.53	0.466	0.01	0.54	0.461	
65	MC	879	353	0.08	0.30	0.581	0.29	0.22	0.639	0.00	0.12	0.728	
66	MC	1267	308	0.16	1.36	0.244	0.10	0.02	0.883	0.00	0.01	0.927	
67	MC	1267	308	0.12	0.66	0.415	-0.01	0.00	0.992	0.00	0.03	0.856	
68	MC	1267	308	-0.62	14.20	0.000	0.52	0.46	0.498	-0.02	2.28	0.131	Uniform<
69	MC	879	353	0.49	5.80	0.016	0.76	1.11	0.292	-0.01	0.15	0.694	
70	MC	879	353	0.05	0.09	0.763	0.51	0.56	0.455	-0.01	0.49	0.485	
71	MC	879	353	0.09	0.46	0.498	0.68	1.23	0.268	-0.01	0.96	0.326	
72	MC	1267	308	0.06	0.21	0.647	1.40	4.59	0.032	-0.02	4.43	0.035	
73	MC	879	353	0.22	2.62	0.106	-0.74	1.49	0.222	0.02	2.60	0.107	
74	MC	1267	308	0.16	1.56	0.211	-0.82	1.80	0.179	0.02	2.72	0.099	
75	MC	879	353	0.26	3.77	0.052	0.25	0.16	0.692	0.00	0.00	0.982	
76	MC	879	353	0.00	0.00	0.971	-0.96	2.70	0.100	0.02	2.80	0.094	
77	MC	879	353	0.14	0.79	0.374	-1.17	2.63	0.105	0.02	3.43	0.064	
78	MC	2146	661	-0.56	33.04	0.000	0.31	0.45	0.502	-0.02	3.68	0.055	Uniform<
79	MC	1267	308	0.11	0.55	0.459	0.83	1.07	0.302	-0.01	0.83	0.362	
80	MC	1267	308	0.50	14.92	0.000	0.27	0.21	0.648	0.00	0.15	0.700	Uniform>
81	MC	2146	661	-0.11	1.15	0.283	-0.77	2.16	0.142	0.01	1.62	0.203	
82	MC	2146	661	0.01	0.02	0.886	-0.28	0.34	0.562	0.01	0.39	0.533	
83	ER	1267	308	-0.34	7.10	0.008	-0.70	1.51	0.220	0.01	0.42	0.519	Uniform<
84	ER	879	353	-0.29	4.80	0.028	0.51	1.01	0.314	-0.01	2.65	0.104	
85	ER	1267	308	-0.31	5.82	0.016	-0.05	0.01	0.929	0.00	0.23	0.632	
86	ER	879	353	0.06	0.26	0.609	0.50	1.03	0.311	-0.01	0.84	0.359	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.259: 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
51	MC	1173	308	-0.13	0.95	0.331	0.22	0.11	0.745	-0.01	0.28	0.595	
52	MC	1173	308	0.29	2.78	0.096	-0.67	0.89	0.345	0.02	1.99	0.158	
53	MC	1250	353	-0.36	7.18	0.007	-0.83	1.86	0.173	0.01	0.61	0.434	Uniform<
54	MC	1250	353	0.12	0.71	0.400	0.48	0.63	0.429	-0.01	0.37	0.544	
55	MC	1173	308	-0.36	2.23	0.135	-0.35	0.15	0.694	0.00	0.00	0.994	
56	MC	1173	308	0.12	0.70	0.404	0.53	0.54	0.462	-0.01	0.34	0.560	
57	MC	1173	308	0.17	1.64	0.200	-0.18	0.07	0.793	0.01	0.28	0.595	
58	MC	1250	353	0.21	2.67	0.102	0.46	0.71	0.400	0.00	0.22	0.639	
59	MC	1173	308	-0.06	0.13	0.714	-0.60	0.72	0.396	0.01	0.62	0.433	
60	MC	1250	353	-0.09	0.41	0.524	-0.27	0.19	0.665	0.00	0.08	0.773	
61	MC	1250	353	0.37	7.89	0.005	1.74	6.67	0.010	-0.02	4.34	0.037	Uniform>
62	MC	1173	308	0.24	3.24	0.072	1.14	2.53	0.112	-0.02	1.64	0.201	
63	MC	2423	661	0.02	0.04	0.845	-0.81	2.70	0.100	0.01	2.95	0.086	
64	MC	1250	353	-0.09	0.44	0.506	-0.37	0.36	0.546	0.00	0.22	0.642	
65	MC	1250	353	0.17	1.42	0.234	0.36	0.39	0.534	0.00	0.12	0.734	
66	MC	1173	308	0.06	0.21	0.646	-0.50	0.56	0.455	0.01	0.74	0.391	
67	MC	1173	308	0.21	2.17	0.141	0.27	0.16	0.693	0.00	0.01	0.928	
68	MC	1173	308	-0.22	1.74	0.188	0.55	0.52	0.471	-0.02	1.07	0.301	
69	MC	1250	353	0.01	0.00	0.967	-0.87	1.83	0.176	0.02	2.09	0.148	
70	MC	1250	353	0.04	0.08	0.782	-0.09	0.02	0.891	0.00	0.04	0.836	
71	MC	1250	353	0.03	0.07	0.794	-0.14	0.06	0.814	0.00	0.09	0.762	
72	MC	1173	308	0.21	2.53	0.111	0.51	0.60	0.438	-0.01	0.21	0.643	
73	MC	1250	353	0.37	8.34	0.004	-0.34	0.37	0.546	0.01	1.69	0.194	Uniform>
74	MC	1173	308	0.03	0.04	0.840	-0.48	0.64	0.425	0.01	0.74	0.389	
75	MC	1250	353	0.04	0.12	0.734	0.60	1.06	0.302	-0.01	0.97	0.325	
76	MC	1250	353	0.22	3.05	0.081	-0.22	0.17	0.680	0.01	0.72	0.395	
77	MC	1250	353	0.36	5.52	0.019	0.39	0.36	0.546	0.00	0.00	0.960	
78	MC	2423	661	-0.09	0.89	0.346	-0.01	0.00	0.975	0.00	0.03	0.858	
79	MC	1173	308	0.06	0.15	0.695	-0.51	0.39	0.532	0.01	0.51	0.477	
80	MC	1173	308	-0.15	1.41	0.235	0.20	0.11	0.737	-0.01	0.37	0.544	
81	MC	2423	661	0.04	0.18	0.671	-0.26	0.26	0.608	0.01	0.38	0.540	
82	MC	2423	661	0.08	0.66	0.415	0.04	0.01	0.933	0.00	0.01	0.926	
83	ER	1173	308	-0.09	0.47	0.491	-0.54	0.91	0.340	0.01	0.67	0.412	
84	ER	1250	353	-0.10	0.72	0.396	-0.14	0.09	0.765	0.00	0.01	0.941	
85	ER	1173	308	-0.33	6.52	0.011	-0.41	0.57	0.451	0.00	0.03	0.869	
86	ER	1250	353	0.04	0.11	0.743	-0.43	0.86	0.354	0.01	1.11	0.291	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.260: 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
51	MC	16	308	-0.66	1.23	0.268	-3.44	0.65	0.419	0.05	0.44	0.505	
52	MC	16	308	0.49	0.40	0.527	-7.96	1.40	0.236	0.17	1.46	0.227	
53	MC	19	353	1.32	4.11	0.043	3.95	0.71	0.398	-0.05	0.34	0.563	
54	MC	19	353	1.10	2.05	0.152	3.42	0.36	0.549	-0.04	0.17	0.677	
55	MC	16	308	11.93	0.00	0.971	13.01	0.00	0.979	-0.08	0.00	0.993	
56	MC	16	308	0.75	1.49	0.222	-4.87	0.80	0.372	0.11	1.04	0.307	
57	MC	16	308	-0.57	0.90	0.342	-0.28	0.01	0.937	-0.01	0.01	0.937	
58	MC	19	353	0.37	0.51	0.474	0.74	0.04	0.846	-0.01	0.01	0.922	
59	MC	16	308	-0.30	0.21	0.649	-1.43	0.13	0.721	0.02	0.08	0.773	
60	MC	19	353	-0.33	0.39	0.531	2.27	0.37	0.542	-0.05	0.51	0.476	
61	MC	19	353	-0.58	1.26	0.262	-0.44	0.01	0.908	0.00	0.00	0.971	
62	MC	16	308	-1.07	2.56	0.110	-0.65	0.02	0.876	-0.01	0.01	0.919	
63	MC	35	661	-0.62	1.30	0.254	-3.71	1.01	0.315	0.05	0.75	0.385	
64	MC	19	353	-0.77	1.44	0.231	-9.03	2.13	0.144	0.13	1.92	0.166	
65	MC	19	353	0.36	0.37	0.542	0.30	0.00	0.947	0.00	0.00	0.990	
66	MC	16	308	0.43	0.66	0.415	3.33	1.16	0.282	-0.05	0.90	0.343	
67	MC	16	308	-0.47	0.51	0.474	-6.45	1.42	0.233	0.10	1.31	0.252	
68	MC	16	308	0.62	0.61	0.436	-5.14	0.58	0.445	0.12	0.70	0.401	
69	MC	19	353	-0.76	1.65	0.199	-6.97	1.43	0.232	0.11	1.09	0.296	
70	MC	19	353	0.32	0.36	0.550	-2.38	0.36	0.548	0.05	0.48	0.487	
71	MC	19	353	-0.35	0.53	0.468	-4.42	0.99	0.320	0.07	0.84	0.360	
72	MC	16	308	-0.67	1.25	0.264	1.21	0.12	0.728	-0.03	0.29	0.590	
73	MC	19	353	-0.41	0.66	0.418	-5.36	1.48	0.223	0.08	1.30	0.254	
74	MC	16	308	-0.30	0.34	0.562	1.82	0.35	0.552	-0.04	0.49	0.483	
75	MC	19	353	0.69	1.92	0.166	-1.83	0.19	0.659	0.04	0.37	0.543	
76	MC	19	353	0.10	0.04	0.833	-4.42	1.22	0.270	0.08	1.30	0.255	
77	MC	19	353	-0.21	0.11	0.741	-7.41	1.80	0.180	0.12	1.83	0.176	
78	MC	35	661	0.13	0.11	0.740	-3.94	1.40	0.237	0.08	1.49	0.223	
79	MC	16	308	-0.65	0.72	0.397	12.77	3.12	0.077	-0.27	2.96	0.085	
80	MC	16	308	-1.03	3.02	0.082	-8.32	2.23	0.135	0.13	1.82	0.177	
81	MC	35	661	-0.73	2.18	0.140	-5.06	1.74	0.187	0.07	1.36	0.243	
82	MC	35	661	-0.20	0.28	0.594	-5.53	2.44	0.118	0.10	2.27	0.132	
83	ER	16	308	-0.18	0.12	0.730	-1.42	0.23	0.631	0.02	0.19	0.664	
84	ER	19	353	-0.13	0.08	0.781	-0.45	0.02	0.893	0.01	0.01	0.924	
85	ER	16	308	-0.15	0.08	0.773	-4.00	1.95	0.163	0.07	1.88	0.171	
86	ER	19	353	0.28	0.36	0.551	2.70	0.65	0.418	-0.04	0.53	0.466	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.261: 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
51	MC	1948	2748	-0.02	0.08	0.780	-2.14	27.66	0.000	0.03	28.27	0.000	NonUniform
52	MC	1948	2748	-0.16	1.81	0.178	-1.88	10.83	0.001	0.03	9.31	0.002	NonUniform
53	MC	1853	2482	0.70	60.24	0.000	-0.31	0.35	0.556	0.02	3.71	0.054	Uniform>
54	MC	1853	2482	0.24	4.79	0.029	-0.86	2.15	0.143	0.02	3.61	0.057	
55	MC	1948	2748	0.17	1.12	0.290	1.25	2.55	0.110	-0.02	2.04	0.153	
56	MC	1948	2748	0.46	28.72	0.000	0.29	0.40	0.528	0.00	0.13	0.719	Uniform>
57	MC	1948	2748	0.04	0.33	0.563	-2.89	46.53	0.000	0.04	49.78	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	1948	2748	-0.09	1.24	0.265	-1.68	14.50	0.000	0.02	13.61	0.000	NonUniform
60	MC	1853	2482	0.15	2.00	0.158	-1.12	3.55	0.060	0.02	4.70	0.030	
61	MC	1853	2482	-0.07	0.74	0.391	-3.24	38.23	0.000	0.05	37.61	0.000	NonUniform
62	MC	1948	2748	-0.19	6.83	0.009	-2.33	30.14	0.000	0.03	26.40	0.000	NonUniform
63	MC	3801	5230	-0.04	0.39	0.533	-3.83	116.27	0.000	0.05	120.54	0.000	NonUniform
64	MC	1853	2482	-0.16	4.26	0.039	-3.12	42.84	0.000	0.04	40.31	0.000	NonUniform
65	MC	1853	2482	0.00	0.00	0.983	-3.51	34.07	0.000	0.05	34.64	0.000	NonUniform
66	MC	1948	2748	-0.04	0.31	0.576	-2.60	39.06	0.000	0.04	39.47	0.000	NonUniform
67	MC	1948	2748	-0.16	4.68	0.031	-3.30	58.54	0.000	0.05	55.75	0.000	NonUniform
68	MC	1948	2748	1.43	100.78	0.000	0.46	0.37	0.542	0.02	1.69	0.194	Uniform>
69	MC	1853	2482	-0.30	4.19	0.041	-2.79	16.95	0.000	0.04	13.78	0.000	NonUniform
70	MC	1853	2482	-0.25	7.84	0.005	0.55	1.37	0.242	-0.01	2.96	0.085	Uniform<
71	MC	1853	2482	0.36	15.78	0.000	-0.92	3.27	0.070	0.02	6.50	0.011	Uniform>
72	MC	1948	2748	0.11	2.31	0.128	-2.38	36.13	0.000	0.04	41.02	0.000	NonUniform
73	MC	1853	2482	-0.02	0.10	0.755	-1.64	13.96	0.000	0.02	14.03	0.000	NonUniform
74	MC	1948	2748	-0.20	7.49	0.006	-1.11	8.24	0.004	0.01	5.78	0.016	Uniform<
75	MC	1853	2482	0.21	7.55	0.006	-2.57	30.36	0.000	0.04	36.71	0.000	NonUniform
76	MC	1853	2482	-0.13	2.88	0.090	-4.21	83.33	0.000	0.06	81.72	0.000	NonUniform
77	MC	1853	2482	-0.45	27.93	0.000	-4.16	59.20	0.000	0.05	49.87	0.000	NonUniform
78	MC	3801	5230	0.73	126.14	0.000	-0.45	1.47	0.225	0.02	10.50	0.001	NonUniform
79	MC	1948	2748	0.10	1.75	0.186	-1.99	20.28	0.000	0.03	23.30	0.000	NonUniform
80	MC	1948	2748	-0.23	10.46	0.001	-2.94	57.63	0.000	0.04	51.16	0.000	NonUniform
81	MC	3801	5230	0.07	1.77	0.183	-4.86	179.00	0.000	0.07	192.68	0.000	NonUniform
82	MC	3801	5230	-0.17	6.73	0.009	-2.48	42.19	0.000	0.04	37.73	0.000	NonUniform
83	ER	1948	2748	0.22	9.39	0.002	0.29	0.64	0.423	0.00	0.04	0.845	Uniform>
84	ER	1853	2482	0.04	0.31	0.576	0.36	0.86	0.353	0.00	0.70	0.404	
85	ER	1948	2748	0.17	5.69	0.017	0.12	0.12	0.728	0.00	0.02	0.901	
86	ER	1853	2482	0.10	1.98	0.160	0.28	0.53	0.466	0.00	0.22	0.643	

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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.262: 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
51	MC	1	4695	11.13	0.00	0.968	11.13	0.00	0.968	0.00			
52	MC	1	4695	8.32	0.00	0.975	8.32	0.00	0.975	0.00			
53	MC	0	4335	0.00			0.00			0.00			
54	MC	0	4335	0.00			0.00			0.00			
55	MC	1	4695	7.90	0.00	0.980	7.90	0.00	0.980	0.00			
56	MC	1	4695	9.61	0.00	0.975	9.61	0.00	0.975	0.00			
57	MC	1	4695	10.78	0.00	0.968	10.78	0.00	0.968	0.00			
58	MC	0	4335	0.00			0.00			0.00			
59	MC	1	4695	-9.69	0.00	0.961	-9.69	0.00	0.961	0.00			
60	MC	0	4335	0.00			0.00			0.00			
61	MC	0	4335	0.00			0.00			0.00			
62	MC	1	4695	10.47	0.00	0.969	10.47	0.00	0.969	0.00			
63	MC	1	9030	-9.73	0.00	0.962	-9.73	0.00	0.962	0.00			
64	MC	0	4335	0.00			0.00			0.00			
65	MC	0	4335	0.00			0.00			0.00			
66	MC	1	4695	-11.42	0.00	0.967	-11.42	0.00	0.967	0.00			
67	MC	1	4695	-11.02	0.00	0.970	-11.02	0.00	0.970	0.00			
68	MC	1	4695	8.83	0.00	0.981	8.83	0.00	0.981	0.00			
69	MC	0	4335	0.00			0.00			0.00			
70	MC	0	4335	0.00			0.00			0.00			
71	MC	0	4335	0.00			0.00			0.00			
72	MC	1	4695	10.80	0.00	0.968	10.80	0.00	0.968	0.00			
73	MC	0	4335	0.00			0.00			0.00			
74	MC	1	4695	-12.02	0.00	0.965	-12.02	0.00	0.965	0.00			
75	MC	0	4335	0.00			0.00			0.00			
76	MC	0	4335	0.00			0.00			0.00			
77	MC	0	4335	0.00			0.00			0.00			
78	MC	1	9030	8.53	0.00	0.963	8.53	0.00	0.963	0.00			
79	MC	1	4695	10.98	0.00	0.957	10.98	0.00	0.957	0.00			
80	MC	1	4695	10.74	0.00	0.969	10.74	0.00	0.969	0.00			
81	MC	1	9030	-10.23	0.00	0.954	-10.23	0.00	0.954	0.00			
82	MC	1	9030	-12.71	0.00	0.951	-12.71	0.00	0.951	0.00			
83	ER	1	4695	2.77	1.83	0.176	2.77	1.83	0.176	0.00			
84	ER	0	4335	0.00			0.00			0.00			
85	ER	1	4695	-1.26	0.34	0.558	-1.26	0.34	0.558	0.00			
86	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, 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 10.263: 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
87	MC	2309	2919	0.00	0.00	0.976	-0.50	3.15	0.076	0.01	3.33	0.068	
88	MC	1118	1363	-0.36	15.83	0.000	-0.27	0.56	0.453	0.00	0.07	0.796	Uniform<
89	MC	1118	1363	-0.13	2.18	0.140	-0.67	3.62	0.057	0.01	2.52	0.112	
90	MC	1118	1363	-0.22	5.76	0.016	-0.18	0.23	0.629	0.00	0.01	0.919	
91	MC	1118	1363	-0.15	2.60	0.107	-0.19	0.31	0.576	0.00	0.02	0.893	
92	MC	1191	1556	-0.52	36.03	0.000	-0.32	0.63	0.427	0.00	0.24	0.626	Uniform<
93	MC	1191	1556	-0.56	45.40	0.000	0.24	0.46	0.499	-0.01	5.18	0.023	Uniform<
94	MC	1118	1363	-0.31	10.79	0.001	0.61	2.74	0.098	-0.02	6.67	0.010	NonUniform
95	MC	1118	1363	0.22	6.65	0.010	-0.19	0.32	0.573	0.01	1.61	0.205	Uniform>
96	MC	2309	2919	-0.12	3.94	0.047	-0.44	3.61	0.057	0.01	2.12	0.146	
97	MC	1191	1556	-0.27	4.86	0.027	-0.80	3.29	0.070	0.01	1.57	0.211	
98	MC	2309	2919	-0.08	1.40	0.237	-0.01	0.00	0.978	0.00	0.09	0.766	
99	MC	1191	1556	-0.22	6.17	0.013	-0.17	0.22	0.640	0.00	0.02	0.883	
100	MC	1191	1556	-0.06	0.53	0.466	-0.38	1.07	0.301	0.01	0.80	0.371	
101	MC	1191	1556	0.03	0.16	0.691	-0.16	0.18	0.670	0.00	0.28	0.594	
102	MC	1191	1556	-0.17	3.78	0.052	0.24	0.40	0.527	-0.01	1.20	0.274	
103	MC	1118	1363	-0.12	1.85	0.174	-0.67	3.24	0.072	0.01	2.31	0.128	
104	MC	1118	1363	-0.04	0.17	0.679	0.13	0.14	0.707	0.00	0.25	0.619	
105	MC	1118	1363	0.07	0.67	0.415	0.67	3.40	0.065	-0.01	2.88	0.090	
106	MC	1118	1363	0.16	3.67	0.055	0.22	0.47	0.494	0.00	0.04	0.848	
107	MC	1191	1556	-0.29	11.97	0.001	0.20	0.36	0.547	-0.01	2.37	0.124	Uniform<
108	MC	1191	1556	-0.28	11.90	0.001	0.11	0.09	0.760	-0.01	1.27	0.260	Uniform<
109	MC	1118	1363	-0.33	11.29	0.001	-0.35	0.90	0.342	0.00	0.00	0.960	Uniform<
110	MC	1191	1556	-0.05	0.38	0.539	-0.29	0.73	0.394	0.00	0.53	0.466	
111	MC	1191	1556	0.15	3.52	0.061	0.26	0.68	0.409	0.00	0.14	0.707	

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.

Table 10.264: 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
87	MC	3482	1748	0.22	11.01	0.001	0.16	0.31	0.579	0.00	0.03	0.860	Uniform>
88	MC	1549	933	0.19	4.17	0.041	-0.03	0.01	0.922	0.00	0.42	0.517	
89	MC	1549	933	0.05	0.31	0.580	-0.08	0.05	0.822	0.00	0.14	0.703	
90	MC	1549	933	0.00	0.00	0.984	-1.34	13.72	0.000	0.02	14.63	0.000	NonUniform
91	MC	1549	933	-0.06	0.47	0.495	-0.21	0.40	0.526	0.00	0.21	0.644	
92	MC	1933	815	-0.13	1.96	0.162	-0.84	3.95	0.047	0.01	2.97	0.085	
93	MC	1933	815	-0.15	2.70	0.101	0.37	0.88	0.348	-0.01	1.80	0.180	
94	MC	1549	933	-0.15	2.48	0.115	-1.39	14.77	0.000	0.02	12.65	0.000	NonUniform
95	MC	1549	933	-0.07	0.58	0.448	-0.30	0.80	0.372	0.00	0.51	0.473	
96	MC	3482	1748	0.13	4.53	0.033	0.03	0.01	0.913	0.00	0.20	0.656	
97	MC	1933	815	-0.06	0.22	0.640	-0.12	0.06	0.805	0.00	0.01	0.905	
98	MC	3482	1748	0.10	2.13	0.145	-0.15	0.35	0.555	0.01	1.05	0.305	
99	MC	1933	815	-0.16	2.64	0.104	0.33	0.68	0.409	-0.01	1.58	0.208	
100	MC	1933	815	-0.15	2.84	0.092	-0.24	0.37	0.542	0.00	0.06	0.813	
101	MC	1933	815	0.05	0.30	0.584	-0.02	0.00	0.950	0.00	0.04	0.845	
102	MC	1933	815	-0.07	0.48	0.487	0.19	0.19	0.664	0.00	0.36	0.547	
103	MC	1549	933	-0.17	3.43	0.064	0.23	0.39	0.533	-0.01	1.25	0.263	
104	MC	1549	933	0.06	0.50	0.480	-0.39	1.36	0.244	0.01	1.96	0.162	
105	MC	1549	933	0.20	4.79	0.029	0.54	2.10	0.148	-0.01	0.89	0.344	
106	MC	1549	933	-0.01	0.00	0.951	-0.56	3.01	0.083	0.01	3.18	0.074	
107	MC	1933	815	0.03	0.12	0.733	-0.39	1.16	0.282	0.01	1.45	0.229	
108	MC	1933	815	0.03	0.11	0.744	0.80	3.97	0.046	-0.01	3.90	0.048	
109	MC	1549	933	0.09	0.84	0.359	0.49	1.80	0.180	-0.01	1.28	0.257	
110	MC	1933	815	-0.13	2.29	0.130	0.67	3.21	0.073	-0.01	4.86	0.028	
111	MC	1933	815	-0.10	1.48	0.223	-0.24	0.49	0.482	0.00	0.17	0.676	

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 10.265: 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
87	MC	321	4909	-0.07	0.30	0.582	-0.93	1.72	0.189	0.01	1.54	0.215	
88	MC	165	2317	0.37	3.48	0.062	-0.40	0.15	0.697	0.01	0.59	0.443	
89	MC	165	2317	0.35	3.53	0.060	-0.64	0.43	0.512	0.02	1.06	0.304	
90	MC	165	2317	0.16	0.70	0.404	0.51	0.31	0.576	-0.01	0.16	0.690	
91	MC	165	2317	-0.05	0.08	0.772	1.09	1.60	0.206	-0.02	1.87	0.172	
92	MC	156	2592	0.29	2.49	0.114	-0.20	0.04	0.838	0.01	0.26	0.612	
93	MC	156	2592	0.69	13.96	0.000	0.12	0.02	0.891	0.01	0.43	0.512	Uniform>
94	MC	165	2317	0.34	2.53	0.112	1.33	1.94	0.164	-0.02	1.14	0.285	
95	MC	165	2317	0.07	0.15	0.699	-1.26	1.67	0.197	0.02	1.91	0.167	
96	MC	321	4909	-0.31	6.64	0.010	-1.10	3.23	0.072	0.01	1.75	0.186	Uniform<
97	MC	156	2592	0.53	2.60	0.107	0.50	0.19	0.663	0.00	0.00	0.978	
98	MC	321	4909	0.08	0.28	0.595	-1.31	3.02	0.082	0.03	3.52	0.061	
99	MC	156	2592	0.48	5.32	0.021	2.77	11.77	0.001	-0.04	8.94	0.003	NonUniform
100	MC	156	2592	0.59	12.19	0.000	1.27	2.73	0.099	-0.01	0.82	0.367	Uniform>
101	MC	156	2592	0.34	3.25	0.072	1.04	1.58	0.209	-0.01	0.75	0.386	
102	MC	156	2592	0.45	5.40	0.020	-1.21	1.25	0.263	0.03	2.43	0.119	
103	MC	165	2317	0.24	1.67	0.197	-1.66	2.23	0.135	0.03	2.99	0.084	
104	MC	165	2317	-0.04	0.05	0.830	0.75	0.85	0.357	-0.01	0.97	0.325	
105	MC	165	2317	0.09	0.27	0.606	-1.07	1.26	0.262	0.02	1.53	0.217	
106	MC	165	2317	0.13	0.55	0.459	-0.76	0.69	0.405	0.01	0.98	0.321	
107	MC	156	2592	0.49	5.95	0.015	0.21	0.07	0.799	0.01	0.12	0.730	
108	MC	156	2592	0.24	2.00	0.158	-0.20	0.05	0.816	0.01	0.28	0.600	
109	MC	165	2317	0.12	0.32	0.574	-1.16	1.03	0.311	0.02	1.29	0.255	
110	MC	156	2592	0.07	0.19	0.660	0.34	0.19	0.663	0.00	0.12	0.728	
111	MC	156	2592	-0.14	0.66	0.418	1.69	5.35	0.021	-0.03	6.51	0.011	

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.

Table 10.266: 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
87	MC	634	4596	-0.19	3.91	0.048	0.74	2.07	0.151	-0.02	3.31	0.069	
88	MC	294	2188	0.26	3.83	0.050	1.48	5.09	0.024	-0.02	3.59	0.058	
89	MC	294	2188	0.37	7.84	0.005	0.62	0.87	0.350	0.00	0.15	0.699	Uniform>
90	MC	294	2188	0.12	0.84	0.361	-0.42	0.33	0.566	0.01	0.57	0.452	
91	MC	294	2188	-0.04	0.07	0.786	0.24	0.13	0.717	-0.01	0.18	0.670	
92	MC	340	2408	0.56	20.11	0.000	-0.30	0.15	0.695	0.02	1.33	0.249	Uniform>
93	MC	340	2408	0.67	29.02	0.000	0.04	0.00	0.956	0.01	0.85	0.356	Uniform>
94	MC	294	2188	0.69	21.34	0.000	-0.20	0.07	0.791	0.02	1.40	0.236	Uniform>
95	MC	294	2188	0.12	0.84	0.358	-0.92	1.69	0.193	0.02	2.23	0.135	
96	MC	634	4596	0.24	7.62	0.006	0.47	1.12	0.289	0.00	0.29	0.593	Uniform>
97	MC	340	2408	0.02	0.01	0.916	-2.16	4.85	0.028	0.05	4.99	0.025	
98	MC	634	4596	0.22	4.53	0.033	0.29	0.33	0.567	0.00	0.02	0.883	
99	MC	340	2408	0.20	2.31	0.129	-0.12	0.03	0.869	0.01	0.21	0.649	
100	MC	340	2408	-0.29	4.96	0.026	-0.76	1.03	0.309	0.01	0.42	0.519	
101	MC	340	2408	0.25	4.17	0.041	-0.34	0.24	0.626	0.01	0.74	0.389	
102	MC	340	2408	0.50	14.99	0.000	-1.16	2.16	0.141	0.03	4.50	0.034	Uniform>
103	MC	294	2188	0.22	2.69	0.101	1.06	2.54	0.111	-0.02	1.67	0.196	
104	MC	294	2188	-0.01	0.00	0.952	1.51	5.60	0.018	-0.03	5.82	0.016	
105	MC	294	2188	0.28	4.52	0.034	-0.27	0.14	0.705	0.01	0.61	0.436	
106	MC	294	2188	-0.31	5.99	0.014	-1.29	3.30	0.069	0.02	1.97	0.160	
107	MC	340	2408	0.67	23.17	0.000	0.34	0.23	0.633	0.01	0.23	0.635	Uniform>
108	MC	340	2408	0.35	8.66	0.003	-0.05	0.01	0.936	0.01	0.38	0.538	Uniform>
109	MC	294	2188	-0.08	0.34	0.562	-0.24	0.11	0.736	0.00	0.05	0.820	
110	MC	340	2408	-0.40	10.67	0.001	0.71	1.16	0.281	-0.02	2.95	0.086	Uniform<
111	MC	340	2408	-0.52	17.40	0.000	0.42	0.41	0.521	-0.02	2.12	0.146	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 the test form as all items on 2 forms were concurrently analyzed.

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Table 10.267: 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
87	MC	2146	3084	0.06	1.05	0.305	0.53	3.53	0.060	-0.01	2.88	0.090	
88	MC	879	1603	0.02	0.05	0.819	0.29	0.59	0.443	0.00	0.54	0.463	
89	MC	879	1603	-0.01	0.00	0.955	-0.53	1.96	0.161	0.01	2.04	0.153	
90	MC	879	1603	-0.03	0.10	0.747	-1.05	6.55	0.010	0.02	6.53	0.011	
91	MC	879	1603	-0.06	0.44	0.509	-0.19	0.26	0.611	0.00	0.12	0.726	
92	MC	1267	1481	-0.25	9.10	0.003	-0.19	0.24	0.625	0.00	0.02	0.877	Uniform<
93	MC	1267	1481	-0.33	16.11	0.000	0.25	0.51	0.475	-0.01	2.81	0.094	Uniform<
94	MC	879	1603	-0.34	12.62	0.000	-1.21	8.53	0.003	0.02	4.63	0.031	Uniform<
95	MC	879	1603	-0.14	2.36	0.124	-0.61	2.72	0.099	0.01	1.74	0.187	
96	MC	2146	3084	0.07	1.44	0.230	0.11	0.21	0.645	0.00	0.03	0.865	
97	MC	1267	1481	0.12	0.91	0.341	-0.39	0.79	0.375	0.01	1.43	0.231	
98	MC	2146	3084	-0.07	1.02	0.313	0.05	0.03	0.859	0.00	0.21	0.648	
99	MC	1267	1481	-0.17	3.67	0.055	0.22	0.40	0.529	-0.01	1.29	0.256	
100	MC	1267	1481	-0.13	2.41	0.121	0.32	0.75	0.385	-0.01	1.57	0.211	
101	MC	1267	1481	0.04	0.21	0.646	-0.40	1.21	0.271	0.01	1.54	0.215	
102	MC	1267	1481	-0.20	5.75	0.016	0.79	4.25	0.039	-0.02	7.09	0.008	NonUniform
103	MC	879	1603	-0.26	8.22	0.004	0.64	2.80	0.094	-0.02	5.88	0.015	Uniform<
104	MC	879	1603	-0.09	1.02	0.312	-0.49	1.80	0.180	0.01	1.28	0.257	
105	MC	879	1603	0.14	2.48	0.116	0.65	2.89	0.089	-0.01	1.86	0.173	
106	MC	879	1603	0.01	0.01	0.912	-0.27	0.56	0.454	0.00	0.64	0.423	
107	MC	1267	1481	0.05	0.29	0.588	0.10	0.09	0.760	0.00	0.03	0.863	
108	MC	1267	1481	-0.14	3.14	0.077	0.71	4.15	0.042	-0.02	6.30	0.012	
109	MC	879	1603	-0.05	0.27	0.606	-0.31	0.61	0.435	0.00	0.45	0.502	
110	MC	1267	1481	-0.21	7.01	0.008	0.40	1.49	0.223	-0.01	3.64	0.057	Uniform<
111	MC	1267	1481	0.01	0.01	0.943	-0.37	1.33	0.249	0.01	1.46	0.227	

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.

Table 10.268: 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
87	MC	2146	661	0.13	1.70	0.192	0.09	0.04	0.847	0.00	0.01	0.943	
88	MC	879	353	-0.03	0.03	0.855	-0.22	0.14	0.705	0.00	0.12	0.730	
89	MC	879	353	0.11	0.63	0.426	-0.05	0.01	0.939	0.00	0.07	0.795	
90	MC	879	353	0.24	3.04	0.081	-0.35	0.29	0.591	0.01	0.87	0.352	
91	MC	879	353	0.00	0.00	0.973	-0.07	0.01	0.904	0.00	0.02	0.894	
92	MC	1267	308	-0.37	7.31	0.007	-0.98	2.05	0.152	0.01	0.82	0.364	Uniform<
93	MC	1267	308	-0.42	9.91	0.002	0.25	0.14	0.707	-0.01	1.04	0.307	Uniform<
94	MC	879	353	-0.51	11.40	0.001	-0.75	1.32	0.251	0.00	0.14	0.704	Uniform<
95	MC	879	353	-0.22	2.69	0.101	-1.01	3.19	0.074	0.01	2.07	0.150	
96	MC	2146	661	0.01	0.02	0.875	0.26	0.39	0.534	0.00	0.36	0.547	
97	MC	1267	308	-0.09	0.17	0.683	-1.48	3.16	0.075	0.03	3.08	0.079	
98	MC	2146	661	-0.08	0.55	0.458	0.07	0.02	0.883	0.00	0.11	0.741	
99	MC	1267	308	-0.19	1.75	0.186	-0.50	0.57	0.450	0.01	0.23	0.635	
100	MC	1267	308	-0.03	0.05	0.817	0.50	0.51	0.473	-0.01	0.61	0.436	
101	MC	1267	308	0.03	0.04	0.842	-0.84	1.63	0.201	0.02	1.82	0.177	
102	MC	1267	308	-0.17	1.44	0.231	0.74	1.03	0.311	-0.02	1.60	0.206	
103	MC	879	353	0.06	0.23	0.628	1.01	2.51	0.113	-0.02	2.31	0.129	
104	MC	879	353	-0.15	1.26	0.262	-0.03	0.00	0.965	0.00	0.05	0.831	
105	MC	879	353	0.13	0.97	0.325	1.11	2.97	0.085	-0.02	2.43	0.119	
106	MC	879	353	-0.03	0.05	0.816	-0.01	0.00	0.992	0.00	0.00	0.964	
107	MC	1267	308	-0.05	0.15	0.703	0.20	0.10	0.756	0.00	0.16	0.686	
108	MC	1267	308	-0.29	4.88	0.027	0.66	0.99	0.320	-0.02	2.14	0.144	
109	MC	879	353	0.09	0.35	0.552	-0.32	0.26	0.607	0.01	0.46	0.498	
110	MC	1267	308	-0.27	4.45	0.035	0.52	0.68	0.410	-0.01	1.65	0.199	
111	MC	1267	308	0.11	0.74	0.391	0.13	0.05	0.831	0.00	0.00	0.973	

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 10.269: 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
87	MC	2423	661	0.08	0.74	0.391	-0.52	1.22	0.269	0.01	1.70	0.192	
88	MC	1250	353	-0.07	0.24	0.624	-0.63	1.29	0.255	0.01	1.10	0.294	
89	MC	1250	353	0.15	1.35	0.245	0.59	1.10	0.295	-0.01	0.65	0.421	
90	MC	1250	353	0.35	7.15	0.007	0.85	2.09	0.148	-0.01	0.78	0.377	Uniform>
91	MC	1250	353	0.09	0.43	0.513	0.14	0.07	0.795	0.00	0.01	0.918	
92	MC	1173	308	-0.15	1.14	0.285	-0.96	1.97	0.161	0.01	1.46	0.226	
93	MC	1173	308	-0.12	0.73	0.392	-0.01	0.00	0.986	0.00	0.03	0.873	
94	MC	1250	353	-0.18	1.56	0.212	0.53	0.80	0.370	-0.01	1.50	0.221	
95	MC	1250	353	-0.10	0.64	0.424	-0.49	0.89	0.345	0.01	0.59	0.441	
96	MC	2423	661	-0.07	0.63	0.428	0.17	0.18	0.674	0.00	0.38	0.540	
97	MC	1173	308	-0.27	1.58	0.209	-1.25	2.32	0.128	0.02	1.57	0.211	
98	MC	2423	661	-0.01	0.01	0.910	0.03	0.00	0.954	0.00	0.01	0.931	
99	MC	1173	308	-0.02	0.01	0.917	-0.85	1.66	0.197	0.02	1.70	0.193	
100	MC	1173	308	0.13	0.86	0.354	0.23	0.11	0.743	0.00	0.02	0.882	
101	MC	1173	308	-0.02	0.02	0.881	-0.52	0.64	0.425	0.01	0.61	0.433	
102	MC	1173	308	0.07	0.23	0.634	-0.06	0.01	0.935	0.00	0.03	0.858	
103	MC	1250	353	0.43	10.68	0.001	0.46	0.57	0.451	0.00	0.00	0.967	Uniform>
104	MC	1250	353	-0.06	0.27	0.607	0.54	1.00	0.317	-0.01	1.33	0.249	
105	MC	1250	353	-0.02	0.02	0.899	0.55	0.79	0.375	-0.01	0.88	0.348	
106	MC	1250	353	-0.05	0.14	0.704	0.30	0.33	0.567	-0.01	0.47	0.495	
107	MC	1173	308	-0.13	0.78	0.376	0.11	0.03	0.864	0.00	0.14	0.705	
108	MC	1173	308	-0.18	1.88	0.171	-0.09	0.02	0.897	0.00	0.02	0.882	
109	MC	1250	353	0.18	1.64	0.200	-0.01	0.00	0.987	0.00	0.12	0.729	
110	MC	1173	308	-0.07	0.32	0.574	0.13	0.04	0.837	0.00	0.11	0.742	
111	MC	1173	308	0.12	0.88	0.347	0.59	0.91	0.339	-0.01	0.60	0.438	

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.

Table 10.270: 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
87	MC	35	661	-0.50	1.57	0.210	-0.90	0.11	0.740	0.01	0.02	0.883	
88	MC	19	353	-0.25	0.25	0.615	-3.99	0.87	0.351	0.07	0.77	0.381	
89	MC	19	353	0.40	0.64	0.424	3.61	1.08	0.299	-0.06	0.89	0.346	
90	MC	19	353	0.73	1.98	0.159	7.49	4.03	0.045	-0.12	3.48	0.062	
91	MC	19	353	-0.58	1.43	0.231	1.44	0.18	0.669	-0.03	0.37	0.544	
92	MC	16	308	0.03	0.00	0.948	-9.89	2.62	0.105	0.19	2.62	0.105	
93	MC	16	308	1.30	3.79	0.052	1.25	0.10	0.754	0.00	0.00	0.991	
94	MC	19	353	-0.29	0.30	0.582	-4.73	0.87	0.351	0.08	0.76	0.384	
95	MC	19	353	-0.52	1.19	0.274	-3.50	0.83	0.361	0.05	0.61	0.434	
96	MC	35	661	-0.25	0.49	0.483	-0.19	0.01	0.934	0.00	0.00	0.980	
97	MC	16	308	13.09	0.00	0.979	12.61	0.00	0.976	-0.06	0.00	0.993	
98	MC	35	661	0.25	0.32	0.573	-2.69	0.64	0.425	0.06	0.75	0.385	
99	MC	16	308	1.92	3.37	0.067	5.55	0.78	0.377	-0.07	0.38	0.540	
100	MC	16	308	-0.84	1.60	0.206	-5.71	1.11	0.292	0.08	0.86	0.354	
101	MC	16	308	0.42	0.56	0.456	1.51	0.21	0.647	-0.02	0.11	0.736	
102	MC	16	308	0.49	0.72	0.397	0.50	0.02	0.889	0.00	0.00	0.997	
103	MC	19	353	0.29	0.34	0.558	3.29	0.92	0.336	-0.05	0.79	0.373	
104	MC	19	353	0.06	0.01	0.907	0.21	0.00	0.950	0.00	0.00	0.963	
105	MC	19	353	0.70	2.09	0.149	2.99	0.79	0.375	-0.04	0.47	0.491	
106	MC	19	353	0.03	0.00	0.944	1.48	0.19	0.665	-0.03	0.18	0.669	
107	MC	16	308	1.18	2.32	0.128	-7.67	1.13	0.287	0.18	1.40	0.237	
108	MC	16	308	0.65	1.42	0.233	-1.87	0.25	0.614	0.05	0.46	0.496	
109	MC	19	353	0.43	0.53	0.466	4.61	1.28	0.258	-0.07	1.12	0.289	
110	MC	16	308	-0.94	2.52	0.113	-0.30	0.01	0.934	-0.01	0.03	0.854	
111	MC	16	308	0.16	0.10	0.755	1.29	0.18	0.674	-0.02	0.14	0.709	

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 10.271: 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
87	MC	3801	5230	0.00	0.01	0.928	-3.31	97.67	0.000	0.05	100.99	0.000	NonUniform
88	MC	1853	2482	0.54	34.88	0.000	0.48	0.93	0.334	0.00	0.01	0.905	Uniform>
89	MC	1853	2482	0.11	1.97	0.161	-1.04	5.46	0.019	0.02	6.93	0.008	NonUniform
90	MC	1853	2482	0.02	0.06	0.808	-1.40	8.88	0.003	0.02	9.43	0.002	NonUniform
91	MC	1853	2482	0.05	0.30	0.585	-0.95	4.12	0.042	0.01	4.70	0.030	
92	MC	1948	2748	0.33	17.31	0.000	-1.53	9.84	0.002	0.03	15.00	0.000	NonUniform
93	MC	1948	2748	0.55	50.31	0.000	-0.38	0.75	0.388	0.01	4.66	0.031	Uniform>
94	MC	1853	2482	0.33	11.52	0.001	1.00	3.87	0.049	-0.01	1.84	0.175	Uniform>
95	MC	1853	2482	0.11	1.96	0.161	-0.96	4.87	0.027	0.02	6.28	0.012	
96	MC	3801	5230	0.14	7.47	0.006	-1.23	18.74	0.000	0.02	24.20	0.000	NonUniform
97	MC	1948	2748	0.16	0.99	0.320	-0.16	0.04	0.834	0.01	0.18	0.670	
98	MC	3801	5230	0.49	39.91	0.000	-0.33	0.65	0.421	0.01	4.16	0.041	Uniform>
99	MC	1948	2748	0.24	6.78	0.009	-0.38	0.61	0.435	0.01	1.67	0.196	Uniform>
100	MC	1948	2748	0.11	2.24	0.134	-2.63	38.83	0.000	0.04	43.72	0.000	NonUniform
101	MC	1948	2748	0.07	0.65	0.419	-0.80	3.20	0.073	0.01	3.88	0.049	
102	MC	1948	2748	0.58	41.80	0.000	-1.28	5.95	0.015	0.03	12.79	0.000	NonUniform
103	MC	1853	2482	0.09	1.19	0.276	-0.49	1.18	0.278	0.01	1.70	0.192	
104	MC	1853	2482	0.07	1.05	0.306	-1.55	14.65	0.000	0.02	16.74	0.000	NonUniform
105	MC	1853	2482	0.25	11.59	0.001	-0.71	3.00	0.083	0.01	5.68	0.017	Uniform>
106	MC	1853	2482	-0.02	0.05	0.823	-2.50	31.99	0.000	0.04	32.60	0.000	NonUniform
107	MC	1948	2748	0.49	29.95	0.000	-0.04	0.01	0.931	0.01	1.30	0.253	Uniform>
108	MC	1948	2748	0.03	0.20	0.654	-1.36	11.71	0.001	0.02	12.72	0.000	NonUniform
109	MC	1853	2482	0.22	4.39	0.036	-0.86	2.37	0.124	0.02	3.83	0.050	
110	MC	1948	2748	-0.03	0.16	0.690	-1.48	15.00	0.000	0.02	15.02	0.000	NonUniform
111	MC	1948	2748	-0.29	17.18	0.000	-2.26	34.57	0.000	0.03	27.44	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.

Table 10.272: 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
87	MC	1	9030	-10.78	0.00	0.948	-10.78	0.00	0.948	0.00			
88	MC	0	4335	0.00			0.00			0.00			
89	MC	0	4335	0.00			0.00			0.00			
90	MC	0	4335	0.00			0.00			0.00			
91	MC	0	4335	0.00			0.00			0.00			
92	MC	1	4695	9.68	0.00	0.973	9.68	0.00	0.973	0.00			
93	MC	1	4695	9.95	0.00	0.972	9.95	0.00	0.972	0.00			
94	MC	0	4335	0.00			0.00			0.00			
95	MC	0	4335	0.00			0.00			0.00			
96	MC	1	9030	-11.06	0.00	0.948	-11.06	0.00	0.948	0.00			
97	MC	1	4695	7.39	0.00	0.980	7.39	0.00	0.980	0.00			
98	MC	1	9030	8.25	0.00	0.970	8.25	0.00	0.970	0.00			
99	MC	1	4695	9.50	0.00	0.977	9.50	0.00	0.977	0.00			
100	MC	1	4695	10.91	0.00	0.968	10.91	0.00	0.968	0.00			
101	MC	1	4695	9.76	0.00	0.974	9.76	0.00	0.974	0.00			
102	MC	1	4695	9.36	0.00	0.975	9.36	0.00	0.975	0.00			
103	MC	0	4335	0.00			0.00			0.00			
104	MC	0	4335	0.00			0.00			0.00			
105	MC	0	4335	0.00			0.00			0.00			
106	MC	0	4335	0.00			0.00			0.00			
107	MC	1	4695	9.73	0.00	0.976	9.73	0.00	0.976	0.00			
108	MC	1	4695	10.63	0.00	0.969	10.63	0.00	0.969	0.00			
109	MC	0	4335	0.00			0.00			0.00			
110	MC	1	4695	10.92	0.00	0.968	10.92	0.00	0.968	0.00			
111	MC	1	4695	11.24	0.00	0.967	11.24	0.00	0.967	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, 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 10.273: 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
112	SA4	2309	2919	0.01	0.02	0.885	-0.41	2.45	0.117	0.01	2.70	0.100	
113	SA4	1191	1556	-0.10	1.42	0.234	-0.22	0.45	0.501	0.00	0.14	0.704	
114	SA4	1118	1363	0.54	33.58	0.000	0.25	0.57	0.449	0.01	0.82	0.366	Uniform>
115	SA4	1191	1556	-0.08	0.86	0.354	-0.01	0.00	0.981	0.00	0.06	0.809	
116	SA4	2309	2919	0.05	0.79	0.373	0.25	1.29	0.256	0.00	0.88	0.350	
117	SA4	1118	1363	0.09	0.81	0.369	0.10	0.10	0.749	0.00	0.00	0.961	
118	SA4	1118	1363	-0.20	4.54	0.033	0.20	0.39	0.533	-0.01	1.69	0.193	
119	SA4	1118	1363	-0.38	18.69	0.000	-0.06	0.03	0.861	-0.01	1.15	0.284	Uniform<
120	SA4	1191	1556	0.23	7.13	0.008	0.11	0.10	0.757	0.00	0.15	0.702	Uniform>
121	SA4	1118	1363	-0.24	7.81	0.005	-0.99	11.74	0.001	0.01	7.38	0.007	NonUniform
122	SA4	1191	1556	0.22	5.49	0.019	-0.39	1.27	0.260	0.01	3.33	0.068	
123	SA4	1191	1556	-0.29	12.04	0.001	0.01	0.00	0.976	-0.01	0.81	0.369	Uniform<
124	SA4	1191	1556	-0.47	33.11	0.000	-0.23	0.58	0.445	0.00	0.61	0.435	Uniform<
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.274: 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
112	SA4	3482	1748	-0.22	12.82	0.000	-0.51	3.63	0.057	0.01	1.25	0.264	Uniform<
113	SA4	1933	815	0.19	4.35	0.037	0.62	2.97	0.085	-0.01	1.53	0.216	
114	SA4	1549	933	-0.35	14.00	0.000	-0.73	5.13	0.024	0.01	1.49	0.222	Uniform<
115	SA4	1933	815	-0.11	1.38	0.241	0.07	0.04	0.836	0.00	0.31	0.580	
116	SA4	3482	1748	0.01	0.04	0.836	-0.11	0.26	0.609	0.00	0.35	0.553	
117	SA4	1549	933	0.01	0.00	0.955	-0.78	6.38	0.012	0.02	7.20	0.007	NonUniform
118	SA4	1549	933	0.17	3.39	0.066	-0.01	0.00	0.967	0.00	0.38	0.537	
119	SA4	1549	933	0.29	10.38	0.001	0.19	0.36	0.548	0.00	0.11	0.744	Uniform>
120	SA4	1933	815	0.32	11.74	0.001	-0.88	5.85	0.016	0.02	11.69	0.001	NonUniform
121	SA4	1549	933	0.59	42.93	0.000	0.87	9.19	0.002	-0.01	1.12	0.291	Uniform>
122	SA4	1933	815	0.19	3.66	0.056	-0.68	3.34	0.068	0.02	5.87	0.015	
123	SA4	1933	815	0.19	4.49	0.034	0.59	2.35	0.126	-0.01	1.14	0.286	
124	SA4	1933	815	-0.57	40.38	0.000	-0.78	5.38	0.020	0.00	0.41	0.523	Uniform<
125	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, 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 10.275: 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
112	SA4	321	4909	0.00	0.00	0.986	0.54	0.77	0.380	-0.01	0.80	0.372	
113	SA4	156	2592	0.44	5.12	0.024	-0.37	0.19	0.659	0.01	0.93	0.335	
114	SA4	165	2317	-0.61	10.69	0.001	0.27	0.10	0.753	-0.01	1.11	0.292	Uniform<
115	SA4	156	2592	0.02	0.01	0.924	-0.03	0.00	0.965	0.00	0.00	0.944	
116	SA4	321	4909	-0.13	1.18	0.278	-0.89	2.61	0.106	0.01	1.98	0.159	
117	SA4	165	2317	-0.58	8.64	0.003	1.89	4.77	0.029	-0.04	8.78	0.003	NonUniform
118	SA4	165	2317	1.22	26.88	0.000	0.74	0.75	0.388	0.01	0.34	0.558	Uniform>
119	SA4	165	2317	0.08	0.17	0.684	0.75	0.70	0.402	-0.01	0.60	0.438	
120	SA4	156	2592	-0.87	24.89	0.000	-0.69	0.69	0.407	0.00	0.05	0.824	Uniform<
121	SA4	165	2317	0.51	7.32	0.007	3.82	18.16	0.000	-0.05	14.38	0.000	NonUniform
122	SA4	156	2592	-0.56	8.40	0.004	-1.14	1.58	0.209	0.01	0.43	0.513	Uniform<
123	SA4	156	2592	-0.08	0.20	0.652	0.83	1.04	0.309	-0.02	1.33	0.249	
124	SA4	156	2592	0.57	9.75	0.002	0.35	0.21	0.648	0.00	0.09	0.767	Uniform>
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.276: 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
112	SA4	634	4596	0.91	107.79	0.000	1.38	8.82	0.003	-0.01	1.04	0.307	Uniform>
113	SA4	340	2408	0.64	24.95	0.000	-0.54	0.67	0.414	0.02	3.31	0.069	Uniform>
114	SA4	294	2188	0.06	0.20	0.656	-0.71	1.10	0.293	0.01	1.36	0.243	
115	SA4	340	2408	0.62	22.30	0.000	0.52	0.69	0.408	0.00	0.03	0.871	Uniform>
116	SA4	634	4596	-0.20	6.01	0.014	0.07	0.03	0.874	-0.01	0.43	0.513	
117	SA4	294	2188	0.46	9.36	0.002	0.07	0.01	0.913	0.01	0.34	0.558	Uniform>
118	SA4	294	2188	0.50	12.27	0.000	-1.21	3.10	0.078	0.03	6.51	0.011	Uniform>
119	SA4	294	2188	0.41	9.34	0.002	0.04	0.00	0.950	0.01	0.33	0.567	Uniform>
120	SA4	340	2408	-0.12	0.93	0.334	0.36	0.32	0.570	-0.01	0.59	0.441	
121	SA4	294	2188	1.50	99.50	0.000	1.03	2.65	0.103	0.01	0.61	0.436	Uniform>
122	SA4	340	2408	0.24	3.18	0.075	-0.17	0.06	0.808	0.01	0.38	0.540	
123	SA4	340	2408	0.16	1.79	0.181	1.32	4.42	0.036	-0.02	3.56	0.059	
124	SA4	340	2408	1.51	129.78	0.000	1.43	5.21	0.022	0.00	0.02	0.891	Uniform>
125	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, 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 10.277: 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
112	SA4	2146	3084	-0.23	16.11	0.000	-0.73	7.36	0.007	0.01	3.62	0.057	Uniform<
113	SA4	1267	1481	-0.04	0.27	0.605	-0.30	0.86	0.354	0.01	0.68	0.411	
114	SA4	879	1603	-0.03	0.12	0.734	-0.58	2.72	0.099	0.01	2.61	0.106	
115	SA4	1267	1481	-0.17	4.31	0.038	0.16	0.28	0.596	-0.01	1.31	0.253	
116	SA4	2146	3084	0.04	0.59	0.442	-0.08	0.14	0.710	0.00	0.35	0.553	
117	SA4	879	1603	0.10	1.06	0.304	-0.42	1.57	0.211	0.01	2.64	0.104	
118	SA4	879	1603	0.08	0.77	0.381	0.57	2.83	0.093	-0.01	2.25	0.134	
119	SA4	879	1603	0.25	7.60	0.006	0.19	0.30	0.587	0.00	0.04	0.840	Uniform>
120	SA4	1267	1481	0.39	19.98	0.000	-0.98	7.80	0.005	0.03	16.15	0.000	NonUniform
121	SA4	879	1603	0.22	5.85	0.016	0.66	4.55	0.033	-0.01	2.23	0.135	
122	SA4	1267	1481	0.24	6.72	0.010	-0.59	2.96	0.085	0.02	6.30	0.012	Uniform>
123	SA4	1267	1481	0.10	1.47	0.225	-0.54	2.44	0.119	0.01	3.66	0.056	
124	SA4	1267	1481	-0.66	64.70	0.000	-0.59	3.66	0.056	0.00	0.04	0.834	Uniform<
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.278: 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
112	SA4	2146	661	-0.29	10.23	0.001	-0.27	0.34	0.559	0.00	0.00	0.958	Uniform<
113	SA4	1267	308	-0.10	0.49	0.483	0.02	0.00	0.973	0.00	0.04	0.846	
114	SA4	879	353	-0.10	0.53	0.468	-0.50	0.75	0.388	0.01	0.50	0.478	
115	SA4	1267	308	-0.31	4.61	0.032	-0.07	0.01	0.912	0.00	0.18	0.671	
116	SA4	2146	661	0.17	3.34	0.067	-0.05	0.02	0.893	0.00	0.33	0.565	
117	SA4	879	353	0.00	0.00	0.988	0.07	0.02	0.899	0.00	0.02	0.892	
118	SA4	879	353	-0.06	0.20	0.657	1.46	6.40	0.011	-0.03	7.50	0.006	NonUniform
119	SA4	879	353	0.10	0.50	0.480	0.48	0.73	0.392	-0.01	0.51	0.477	
120	SA4	1267	308	0.65	20.70	0.000	-0.94	2.25	0.134	0.03	6.78	0.009	NonUniform
121	SA4	879	353	-0.17	1.43	0.233	0.42	0.69	0.406	-0.01	1.44	0.230	
122	SA4	1267	308	0.18	1.30	0.253	-0.71	1.13	0.288	0.02	1.89	0.170	
123	SA4	1267	308	0.21	2.43	0.119	-0.19	0.08	0.776	0.01	0.39	0.530	
124	SA4	1267	308	-0.89	40.85	0.000	-1.62	7.38	0.007	0.01	1.59	0.208	Uniform<
125	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, 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 10.279: 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
112	SA4	2423	661	-0.09	1.03	0.311	0.54	1.53	0.217	-0.01	2.16	0.141	
113	SA4	1173	308	-0.08	0.33	0.563	0.36	0.34	0.561	-0.01	0.53	0.466	
114	SA4	1250	353	-0.09	0.46	0.498	0.11	0.04	0.837	0.00	0.15	0.695	
115	SA4	1173	308	-0.14	1.00	0.316	-0.35	0.36	0.547	0.00	0.14	0.712	
116	SA4	2423	661	0.14	2.43	0.119	0.07	0.03	0.855	0.00	0.04	0.845	
117	SA4	1250	353	-0.13	0.88	0.347	0.58	1.25	0.263	-0.01	2.04	0.153	
118	SA4	1250	353	-0.19	2.00	0.158	0.94	3.28	0.070	-0.02	5.14	0.023	
119	SA4	1250	353	-0.20	2.45	0.118	0.35	0.45	0.501	-0.01	1.21	0.271	
120	SA4	1173	308	0.25	3.34	0.068	0.02	0.00	0.975	0.00	0.15	0.699	
121	SA4	1250	353	-0.48	13.31	0.000	-0.33	0.49	0.484	0.00	0.11	0.745	Uniform<
122	SA4	1173	308	-0.13	0.79	0.373	-0.12	0.04	0.851	0.00	0.00	0.979	
123	SA4	1173	308	0.11	0.66	0.416	0.42	0.43	0.511	-0.01	0.25	0.620	
124	SA4	1173	308	-0.27	3.77	0.052	-1.04	3.16	0.076	0.01	1.84	0.175	
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.280: 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
112	SA4	35	661	0.21	0.35	0.552	3.46	2.59	0.108	-0.06	2.42	0.119	
113	SA4	16	308	1.21	3.54	0.060	-4.31	1.82	0.177	0.10	2.93	0.087	
114	SA4	19	353	0.59	0.98	0.322	-6.39	0.81	0.368	0.13	0.95	0.330	
115	SA4	16	308	-0.29	0.29	0.592	-1.30	0.17	0.677	0.02	0.11	0.741	
116	SA4	35	661	0.57	2.44	0.118	-4.68	4.52	0.033	0.10	5.98	0.014	
117	SA4	19	353	0.16	0.08	0.783	7.62	3.18	0.074	-0.13	3.24	0.072	
118	SA4	19	353	-0.01	0.00	0.982	1.14	0.06	0.800	-0.02	0.07	0.798	
119	SA4	19	353	-0.11	0.05	0.824	3.38	0.93	0.334	-0.06	1.05	0.306	
120	SA4	16	308	-0.63	1.64	0.201	-1.69	0.29	0.588	0.02	0.12	0.730	
121	SA4	19	353	0.79	1.97	0.160	3.25	0.65	0.419	-0.04	0.39	0.531	
122	SA4	16	308	-0.12	0.04	0.835	-3.48	1.18	0.278	0.07	1.18	0.278	
123	SA4	16	308	0.59	1.09	0.296	0.55	0.02	0.875	0.00	0.00	0.991	
124	SA4	16	308	0.23	0.16	0.692	2.91	0.75	0.388	-0.05	0.65	0.418	
125	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, 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 10.281: 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
112	SA4	3801	5230	0.23	18.05	0.000	1.12	13.50	0.000	-0.01	8.72	0.003	NonUniform
113	SA4	1948	2748	0.06	0.49	0.485	2.03	23.31	0.000	-0.03	22.75	0.000	NonUniform
114	SA4	1853	2482	-0.52	31.83	0.000	-0.53	1.31	0.252	0.00	0.00	0.974	Uniform<
115	SA4	1948	2748	0.14	3.02	0.082	1.74	19.61	0.000	-0.02	17.12	0.000	NonUniform
116	SA4	3801	5230	-0.21	14.93	0.000	-1.34	24.52	0.000	0.02	17.90	0.000	NonUniform
117	SA4	1853	2482	-0.03	0.06	0.803	0.73	2.35	0.125	-0.01	2.61	0.106	
118	SA4	1853	2482	0.10	1.04	0.308	0.54	1.38	0.240	-0.01	0.96	0.328	
119	SA4	1853	2482	0.06	0.45	0.502	1.12	5.49	0.019	-0.02	5.08	0.024	
120	SA4	1948	2748	-0.32	12.55	0.000	-0.06	0.02	0.900	0.00	0.34	0.563	Uniform<
121	SA4	1853	2482	0.25	7.79	0.005	2.86	43.10	0.000	-0.04	37.49	0.000	NonUniform
122	SA4	1948	2748	-0.30	9.90	0.002	0.63	2.02	0.155	-0.01	4.64	0.031	Uniform<
123	SA4	1948	2748	-0.21	6.34	0.012	1.50	11.91	0.001	-0.03	16.00	0.000	NonUniform
124	SA4	1948	2748	0.54	42.72	0.000	1.58	16.44	0.000	-0.02	7.31	0.007	NonUniform
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

Table 10.282: 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
112	SA4	1	9030	3.02	0.20	0.655	3.02	0.20	0.655	0.00			
113	SA4	1	4695	13.62	0.01	0.940	13.62	0.01	0.940	0.00			
114	SA4	0	4335	0.00			0.00			0.00			
115	SA4	1	4695	-0.33	0.02	0.901	-0.33	0.02	0.901	0.00			
116	SA4	1	9030	0.55	0.04	0.834	0.55	0.04	0.834	0.00			
117	SA4	0	4335	0.00			0.00			0.00			
118	SA4	0	4335	0.00			0.00			0.00			
119	SA4	0	4335	0.00			0.00			0.00			
120	SA4	1	4695	2.17	0.10	0.748	2.17	0.10	0.748	0.00			
121	SA4	0	4335	0.00			0.00			0.00			
122	SA4	1	4695	0.13	0.00	0.972	0.13	0.00	0.972	0.00			
123	SA4	1	4695	1.68	0.12	0.734	1.68	0.12	0.734	0.00			
124	SA4	1	4695	-0.57	0.05	0.829	-0.57	0.05	0.829	0.00			
125	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, Item number does not indicate item location on the test form as all items on 2 forms were concurrently analyzed.

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10.2.2 Correlation among Domains

Correlations were examined between scale scores on Total Combined score and the domain scores (Listening, Speaking, Reading, and Writing) for the AZELLA Stages I through V tests by stage. These correlations were not calculated for the Kindergarten Placement Test since only the total scale score is reported. The data used to calculate the correlations were based on the calibration sample described in Chapter 7.

All correlations are presented in Table 10.283 through Table 10.287. The patterns of correlation are consistent between forms within a stage as well as among stages.

Table 10.283: Correlations between Total Combined and Domains on Scale Score by Form for The Stage I Assessments in Spring 2013

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.75	0.82	0.81	0.68
Listening	0.75	1.00	0.54	0.48	0.37
Reading	0.82	0.54	1.00	0.58	0.37
Writing	0.81	0.48	0.58	1.00	0.36
Speaking	0.68	0.37	0.37	0.36	1.00

Form B	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.77	0.83	0.80	0.65
Listening	0.77	1.00	0.58	0.48	0.33
Reading	0.83	0.58	1.00	0.58	0.33
Writing	0.80	0.48	0.58	1.00	0.33
Speaking	0.65	0.33	0.33	0.33	1.00

Table 10.284: Correlations between Total Combined and Domains on Scale Score by Form for The Stage II Assessments in Spring 2013

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.73	0.90	0.87	0.62
Listening	0.73	1.00	0.55	0.53	0.34
Reading	0.90	0.55	1.00	0.72	0.43
Writing	0.87	0.53	0.72	1.00	0.41
Speaking	0.62	0.34	0.43	0.41	1.00

Form B	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

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Table 10.285: Correlations between Total Combined and Domains on Scale Score by Form for The Stage III Assessments in Spring 2013

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.72	0.88	0.89	0.62
Listening	0.72	1.00	0.52	0.50	0.39
Reading	0.88	0.52	1.00	0.72	0.38
Writing	0.89	0.50	0.72	1.00	0.44
Speaking	0.62	0.39	0.38	0.44	1.00

Form B	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

Table 10.286: Correlation between Total Combined and Domains on Scale Score by Form for The Stage IV Assessments in Spring 2013

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.74	0.87	0.87	0.66
Listening	0.74	1.00	0.53	0.52	0.42
Reading	0.87	0.53	1.00	0.69	0.40
Writing	0.87	0.52	0.69	1.00	0.44
Speaking	0.66	0.42	0.40	0.44	1.00

Form B	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 10.287: Correlations between Total Combined and Domains on Scale Score by Form for The Stage V Assessments in Spring 2013

Form A	Total Combined	Listening	Reading	Writing	Speaking
Total Combined	1.00	0.74	0.87	0.86	0.68
Listening	0.74	1.00	0.54	0.52	0.42
Reading	0.87	0.54	1.00	0.67	0.38
Writing	0.86	0.52	0.67	1.00	0.48
Speaking	0.68	0.42	0.38	0.48	1.00

Form B	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

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Chapter 11. CLASSIFICATION

Part 11 of this technical report provides information regarding classifying students into proficiency categories. The following AERA/APA/NCME standards are covered in this part: 1.5, 1.7, 2.14, 2.15, 4.9, 4.19, 4.20, 4.21, and 6.5.

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, available from the following ADE website http://www.azed.gov/standards-development-assessment/files/2013/09/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, available from the following ADE website http://www.azed.gov/standards-development-assessment/files/2013/10/az-azella-standard-setting-report-stages-i-v_final_100113.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, 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

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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 Kindergarten Placement Test during the 2012-2013 school year and the AZELLA Stages I through V assessments in the spring 2013 administration. 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 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.

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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

		Observed Performance on Parallel Form	
		Not Proficient	Proficient
Observed Performance on Actual Form	Not Proficient	Consistent Classification	Inconsistent Classification
	Proficient	Inconsistent Classification	Consistent Classification

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 Kindergarten Placement Test in Table 11.3 and Table 11.4 through Table 11.10 for the Stages I through V tests on Total Combined and domains (Listening, Speaking, Reading, and Writing). These results are for classifying students whether they are Proficient or not by form based on the population data available in the final electronic data files for the Kindergarten Placement Test

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and the calibration sample for the AZELLA Stages I through V tests. Included in the table for each 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 11.3: CSEM at Proficient Cut for the Kindergarten Placement Test

Scale Score on Proficient Cut	CSEM
235	8

Table 11.4: CSEM at Proficient Cut on Total Combined Scale Score for the Stage I through V Assessments in Spring 2013

Stage	Grade(s)	Form	Scale Score on Proficient Cut	CSEM
I	Kindergarten	A	2327	19
		B	2327	19
II	01	A	2385	12
		B	2385	12
	02	A	2428	13
		B	2428	13
III	03	A	2457	12
		B	2457	12
	04	A	2472	13
		B	2472	13
	05	A	2473	13
		B	2473	13
IV	06 – 08	A	2477	12
		B	2477	11
V	09 - 12	A	2508	12
		B	2508	12

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Table 11.5: CSEM at Proficient Cut on Listening Scale Score for the Stage I through V Assessments in Spring 2013

Stage	Grade(s)	Form	Scale Score on Proficient Cut	CSEM
I	Kindergarten	A	250	19
		B	250	19
II	01	A	250	12
		B	250	12
	02	A	250	14
		B	250	13
III	03	A	250	13
		B	250	13
	04	A	250	15
		B	250	15
	05	A	250	18
		B	250	18
IV	06 – 08	A	250	16
		B	250	16
V	09 - 12	A	250	13
		B	250	13

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Table 11.6: CSEM at Proficient Cut on Speaking Scale Score for the Stage I through V Assessments in Spring 2013

Stage	Grade(s)	Form	Scale Score on Proficient Cut	CSEM
I	Kindergarten	A	250	20
		B	250	24
II	01	A	250	13
		B	250	14
	02	A	250	14
		B	250	14
III	03	A	250	21
		B	250	23
	04	A	250	27
		B	250	26
	05	A	250	33
		B	250	32
IV	06 – 08	A	250	22
		B	250	22
V	09 - 12	A	250	19
		B	250	21

Table 11.7: CSEM at Proficient Cut on Reading Scale Score for the Stage I through V Assessments in Spring 2013

Stage	Grade(s)	Form	Scale Score on Proficient Cut	CSEM
I	Kindergarten	A	250	17
		B	250	17
II	01	A	250	8
		B	250	8
	02	A	250	9
		B	250	9
III	03	A	250	9
		B	250	9
	04	A	250	10
		B	250	10
	05	A	250	13
		B	250	12
IV	06 – 08	A	250	11
		B	250	11
V	09 - 12	A	250	9
		B	250	9

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Table 11.8: CSEM at Proficient Cut on Writing Scale Score for the Stage I through V Assessments in Spring 2013

Stage	Grade(s)	Form	Scale Score on Proficient Cut	CSEM
I	Kindergarten	A	250	15
		B	250	15
II	01	A	250	10
		B	250	10
	02	A	250	11
		B	250	11
III	03	A	250	10
		B	250	10
	04	A	250	12
		B	250	12
	05	A	250	14
		B	250	15
IV	06 – 08	A	250	12
		B	250	12
V	09 - 12	A	250	11
		B	250	11

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Table 11.9: Consistency and Accuracy for the Kindergarten Placement Test Classification during the School Year 2012-2013

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).

Table 11.10: **Classification Consistency and Accuracy for the Stage I through V Assessments in Spring 2013**

Stage	Grade(s)	Form	N	Consistency	Inconsistency	Chance	κ	Accuracy	False Positive	False Negative
I	Kindergarten	A	5148	0.87	0.13	0.64	0.64	0.91	0.06	0.04
I	Kindergarten	B	5150	0.87	0.13	0.62	0.66	0.91	0.06	0.04
II	01	A	8266	0.86	0.14	0.53	0.71	0.90	0.05	0.04
II	01	B	8289	0.87	0.13	0.53	0.73	0.91	0.05	0.04
II	02	A	6190	0.85	0.15	0.52	0.69	0.89	0.06	0.05
II	02	B	6194	0.86	0.14	0.50	0.72	0.90	0.05	0.05
III	03	A	3383	0.91	0.09	0.76	0.64	0.94	0.04	0.02
III	03	B	3122	0.91	0.09	0.74	0.65	0.94	0.04	0.02
III	04	A	3089	0.85	0.15	0.61	0.62	0.90	0.05	0.05
III	04	B	3161	0.86	0.14	0.60	0.64	0.90	0.05	0.05
III	05	A	2434	0.84	0.16	0.54	0.66	0.89	0.05	0.06
III	05	B	2483	0.84	0.16	0.53	0.67	0.89	0.05	0.06
IV	06-08	A	3142	0.87	0.13	0.58	0.68	0.91	0.05	0.04
IV	06-08	B	3067	0.87	0.13	0.60	0.67	0.91	0.05	0.04
V	09-12	A	2748	0.88	0.12	0.62	0.67	0.91	0.05	0.04
V	09-12	B	2482	0.88	0.12	0.56	0.74	0.92	0.04	0.04

Note: Results were computed using BB-CLASS (Brennan, 2004).

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