



Introduction to AzEDS Data



School Finance Introduction

- Meet the Analyst
 - Claudia (Lead)
 - Barb
 - Roxanne
 - Kayla
 - Janette
 - Katie (Senior Business Analyst)
 - Mhelanie (Office Manager)
- Contacting School Finance
 - Phone, Help Desk, Email
- LEA Contact Information
 - Budgets Contact Worksheet

School Finance 602-542-5695		
Payments (Opt 1) <ul style="list-style-type: none">• BSA• CSF• IIF	Budgets (Opt 2) <ul style="list-style-type: none">• Expenditure Budgets• Annual Financial Reports<ul style="list-style-type: none">• BUDG25• BUDG75• BUDGAGD	Analyst (Opt 3) <ul style="list-style-type: none">• Student Data• School District Employee Report<ul style="list-style-type: none">• Instructional Calendars• Transportation Reporting<ul style="list-style-type: none">• 915s
SchoolFinance@azed.gov		

ADE Units

- Additional units that use Student, Staff, Entity, Transportation Data
- ADE > Administrators <https://www.azed.gov/ESS/school-student-data>

Home / School & Student Data

School & Student Data

Our agency is committed to supporting schools and local education agencies in managing, reporting, and addressing student data. This page provides frequently accessed links, resources, forms, and data sets across our agency that are used by district and charter data coordinators, registrars, administrators, district test coordinators, and program directors. Please visit each of these program's individual pages for additional information.

School Finance	Accountability	Data Governance
Budgets/AFRs Impact Aid State Aid Payments Reconciling Calendars State Payment Reports Submit a 15-915 Submitting Calendars Submitting/Reconciling AZEDS Membership Data	Alternative School Status Annual Public Data Sets Withdrawal Codes & Official Notice of Pupil Withdrawal School Report Cards State Accountability	Family Educational Rights and Privacy Act (FERPA) Public Data Sets Submit a Data Request
Exceptional Student Services	Assessment	AZEDS
AZEDS SPED Reporting AZEDS SPED Codes ASDB Reporting Oct 1 Historical Data Post School Outcomes	Accommodation Manual AZELLA Reports Menu of Assessments - Cut Scores Technical and Legal Resources Testing Calendar	AZEDS Home AZEDS Reference AZEDS for Developers



SF - ADE Connect Applications

- **AzEDS Portal** - Can be used by all units in ADE
- **AzEDS Identity** - Can be used by all units in ADE
- **Education Organization System (EOS)**
 - School Finance
 - Exceptional Student Service
 - Health and Nutrition
 - Grants
- **Charter Estimated Counts** - School Finance Only
- **Transportation and Vehicle Inventory** - School Finance Only
- **SDER** - School Finance Only

AzEDS Introduction



What is AzEDS

- AzEDS is a data collection system using data standardization
- What is a data standard?
 - A data standard defines how data should be formatted and exchanged between systems.

The Data Standard

- The Ed-Fi Data Standard is the set of rules for collecting, managing, and organizing educational data that allows multiple systems to share their information in a seamless, actionable way.

Sending Data to AzEDS

- Data is transferred by the local education agency (LEA), by using a purchased Student Information System (SIS)
- All SIS Vendors must be certified to send data to AzEDS
- Currently, over 13 certified SIS vendors are approved to submit data
- <https://www.azed.gov/information-technology/azeds/developers>

Data Capture

Welcome to School Finance

School Finance proactively partners with Arizona education organizations to facilitate timely, accurate data collection and precise, transparent payments. We support submittal of accurate student, staff, and transportation data, educate on data reconciliation reports and best practices, and assist with error correction as needed. We use the data collected and statutory formulas to precisely calculate and distribute state payments and publish corresponding data to enable stakeholders to understand and verify calculations. Additionally, School Finance collects and reports critical financial data to the public, education organizations, state leaders and the Federal government.

Stay Connected with School Finance

School Finance provides regular updates on requirements, processes, and deadlines by publishing Hot Topics. Please subscribe to School Finance emails to be notified when new Hot Topics are published. Additionally, it is possible to view all previously published Hot Topics by using the link below or view only Hot Topics related to budgets, data, or payments by using the dedicated links under Hot Topics.

[View School Finance Hot Topics](#)

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Important Dates

▼ FY 2024 AzEDS Data Capture Dates

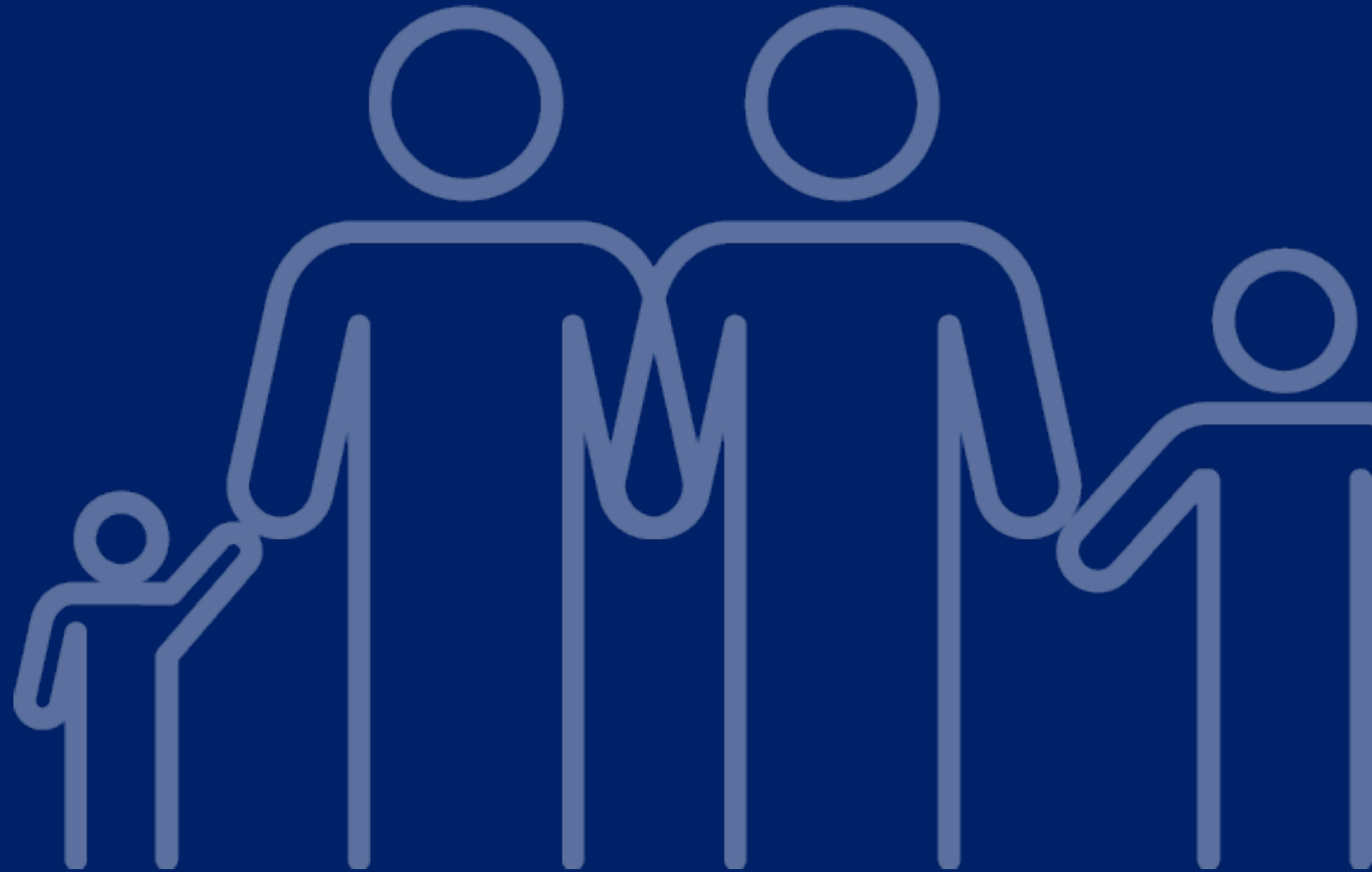
Every month ADE uses student data submitted by LEAs to calculate Average Daily Membership (ADM). ADM is used as the basis for state aid funding. LEAs submit student data to AzEDS and ADM is calculated in the ADM Calculation Engine (ACE). The student data must reside within AzEDS on time to be included in the scheduled Integrity and ACE processing for each month's payment. The API for FY24 will open on 6/1/2023.

Data Capture Deadline, 5 p.m.	To be considered for:
June 15, 2023*	Payment on July 24, 2023
July 15, 2023*	Payment on August 21, 2023
August 15, 2023	Payment on September 22, 2023
September 15, 2023	Payment on October 23, 2023
October 15, 2023	Payment on November 22, 2023
November 15, 2023	Payment on December 21, 2023

- Posted data capture dates on the School Finance website
- Data capture is scheduled for the the 15th of every month
- Used for payment for the following month on the 15th business day of the month



Integrity Rules



Student Data Integrity

- **10XXX** and **20XXX** – ADM Rules – HelpDesk – School Finance
- **21XXX** – Accountability Rules – achieve@azed.gov
- **30XXX** – ELL Rules – OELAS@azed.gov
- **40XXX** – SPED Rules – ESSinbox@azed.gov
- **50XXX** – Support Program Rules – varies contact program area
- **51XXX** – Data Quality Validation Rules – varies contact program area
- **60XXX** – STC Rules – achieve@azed.gov
- **80XXX** – DRP Rules – EDI@azed.gov
- **81XXX** – PCCP Rules – HelpDesk – School Finance
- **90XXX** – Instructional Calendar Rules – HelpDesk – School Finance



AzEDS Validation Report

TRANS15

TRANS15

Alhambra Elementary District (400)

CTDS: 00-00-0000

Fiscal Year: 2024

Data Transmission Detail Report

Page: 1 of 555

School Year: 2023 - 2024

Date Range: 11/4/2023 - 11/6/2023

Report Date: 11/06/2023 02:45 PM

LEA / School Name	LEA / School CTDS	Submission Date	Request Method	Resource Type	ID	Data Submitted
Alhambra Elementary District (400)	00-00-0000	11/04/2023	Add/Change	studentschoolassociations	200	{ "entryDate": "2023-10-23", "calendarReference": { "calendarCode": "4000-0000-5DayAllGrades-01", "schoolId": "5000", "schoolYear": "2024", "classOfSchoolYearTypeReference": { "schoolYear": "2036", "graduationPlanReference": { "educationOrganizationId": "4000", "schoolReference": { "schoolId": "5000", "schoolYearTypeReference": { "schoolYear": "2024", "studentReference": { "studentUniqueId": "0000000000", "entryGradeLevelDescriptor": { "uri": "azed.gov/GradeLevelDescriptor#KG", "entryTypeDescriptor": { "uri": "azed.gov/EntryTypeDescriptor#E6", "exitWithdrawDate": "2024-05-24", "exitWithdrawTypeDescriptor": { "uri": "azed.gov/ExitWithdrawTypeDescriptor#P", "_ext": { "AZ": { "membershipTypeDescriptor": { "uri": "azed.gov/MembershipTypeDescriptor#M", "localEducationAgencies": [{ "membershipResponsibilityDescriptor": { "uri": "azed.gov/MembershipResponsibilityDescriptor#03", "startDate": "2023-10-23", "endDate": "2024-05-24", "localEducationAgencyReference": { "localEducationAgencyId": "4000" } } }], "membershipFTEs": [{ "fteStartDate": "2023-10-23", "membershipFTEDescriptor": { "uri": "azed.gov/MembershipFTEDescriptor#1.00", "fteEndDate": "2024-05-24", "specialEnrollments": [], "tuitionPayers": [{ "payerStartDate": "2023-10-23", "tuitionPayerDescriptor": { "uri": "azed.gov/TuitionPayerDescriptor#1", "payerEndDate": "2024-05-24" }] } }] } } } } } } } } } } } } }
Alhambra Elementary District (400)	00-00-0000	11/04/2023	Add/Change	studenteducationorganizationassociations	200	{ "educationOrganizationReference": { "educationOrganizationId": "4000", "studentReference": { "studentUniqueId": "0000000000", "addresses": [{ "addressTypeDescriptor": { "uri": "ed-fi.org/AddressTypeDescriptor#Home", "stateAbbreviationDescriptor": { "uri": "ed-fi.org/StateAbbreviationDescriptor#AZ", "city": "Phoenix", "postalCode": "85015", "streetNumberName": "2344 W Camelback Ave 80000" }, "addressTypeDescriptor": { "uri": "ed-fi.org/AddressTypeDescriptor#Mailing", "stateAbbreviationDescriptor": { "uri": "ed-fi.org/StateAbbreviationDescriptor#AZ", "city": "Phoenix", "postalCode": "85015", "streetNumberName": "2344 W Camelback Ave 80000" }, "hispanicLatinoEthnicity": true, "languages": [{ "languageDescriptor": { "uri": "azed.gov/LanguageDescriptor#01", "uses": [{ "languageUseDescriptor": { "uri": "ed-fi.org/LanguageUseDescriptor#Home language", "languageUseDescriptor": { "uri": "azed.gov/LanguageUseDescriptor#First Acquired Language", "languageUseDescriptor": { "uri": "ed-fi.org/LanguageUseDescriptor#Spoken language" } } } }] }, "races": [{ "raceDescriptor": { "uri": "ed-fi.org/RaceDescriptor#White", "sexDescriptor": { "uri": "ed-fi.org/SexDescriptor#Female", "studentCharacteristics": [], "studentIdentificationCodes": [{ "studentIdentificationSystemDescriptor": { "uri": "ed-fi.org/StudentIdentificationSystemDescriptor#District", "assigningOrganizationIdentificationCode": "4000", "identificationCode": "0000000000", "telephones": [{ "telephoneNumberTypeDescriptor": { "uri": "ed-fi.org/TelephoneNumberTypeDescriptor#Mobile", "telephoneNumber": "000-000-0000", "tribalAffiliations": [], "_ext": { "AZ": { "azTribalAffiliations": [] } } }] } }] } }] } }] } } }] } } }

TRANS15 – Failed Transaction

- A code in the 400's indicates a bad request
 - Data did not land in AzEDS
 - Invalid formatting, missing data, or a conflict in the data

11/06/2023 Add/Change students

```
Abandones", "otherNames": []}
403 {"studentUniqueId": "50073013", "birthCountryDescriptor": "uri://ed-
fi.org/CountryDescriptor#US", "birthDate": "2015-05-06", "birthSexDescriptor": "uri://ed-
fi.org/SexDescriptor#Male", "birthStateAbbreviationDescriptor": "uri://ed-
fi.org/StateAbbreviationDescriptor#AZ", "firstName": "C", "lastSurname": "C",
M", "middleName": "M", "otherNames": []}
```

TRANS15

Note: The ID column refers to response messages that are returned to the vendor SIS:

ID	Meaning
201	Success: New data was added
202	Success: Data was updated
400	Bad Request: Data was not submitted – this could happen for a variety a reasons, such as invalid formatting (e.g. submitting a letter)
403	Forbidden: Request could not be fulfilled – this could happen if data is missing (e.g. attempting to search for a teacher who is not assigned to a school)
404	Not Found: Resource does not exist – this could happen if searching for something with the wrong ID (e.g. Typing a Staff ID incorrectly)
409	Conflict: Request conflicts with other data – this could happen if system was expecting something other than what was submitted (e.g. a number entered when expecting 0)

Note: A submission that is deleted and reposted appears as two identical submissions. Deleted entries display the following error. It is not necessary to contact your vendor if the delete was intentional.

STUD72

STUD72-2
 Fiscal Year: 2024
 School Year: 2023 - 2024

Chandler Unified District #80 (4242)
 Student Membership Information by DOR

CTDS: 07-02-80-000
 Page: 1 of 1
 Report Date: 11/06/2023 01:46 PM

Demographic

Last Name: [REDACTED] First Name: [REDACTED] Middle Name: Nick Name: Last Name Student Goes By: Name Extension:
 District Student ID: [REDACTED] State Student ID: [REDACTED] Birth Date: [REDACTED] Ethnicity: H/L Race: WH-White Gender: F

Additional Demographics

Responsible Party Last Name: [REDACTED] Responsible Party First Name: [REDACTED] Birth Country Code: US Birth State: AZ Foreign Exchange: No
 Home Language: 01-Spanish Tribal Affiliation:

Enrollment / Withdrawal Activity

School CTDS: 07-02-80-118 Enrollment Activity: E1 Entry Date: 07/19/23 Grade Level: 8 CalendarCode: 4242-5123-5DayAllGrades-4498
 School Name: John M Andersen Jr High School (5123) Withdrawal Activity: Withdrawal Date: Membership Type: M Calendar LEA ID: 4242

Funded DOR			FTE			Tuition Payer			No Special Enrollment Data	No Home Bound Data	No Chronic Health Problems Data
Funded DOR	Start	End	FTE	Start	End	Code	Start	End			
07-02-80-000	07/19/23		1.00	07/19/23		1	07/19/23				

No CTED Planned Instructional Hours No CTED Community College Enrolled Credits

No Attendance Minutes Data

Absences

Absence Date	Absence Reason	Absence Amount	Absence Date	Absence Reason	Absence Amount	Absence Date	Absence Reason	Absence Amount	Absence Date	Absence Reason	Absence Amount
08/15/23	Unexcused	1.00	09/08/23	Excused	0.50	10/19/23	Excused	0.50	10/20/23	Excused	1.00

Total Absences Reported: 3.00

Modality

Event Date	Modality Descriptor	Modality Time
------------	---------------------	---------------

- Displays demographic data, dates of enrollment, F.T.E, and Tuition Payer, as well as entry and exit membership codes
- Real time report



AzEDS ADM Reports

ADM20

ADM20

CTDS: 07-03-00-000

Fiscal Year: 2024

Summary Adjusted ADM Report by DOR

Page: 1 of 2

School Year: 2023 - 2024

Report Date: 11/13/2023 08:20 PM

Data Capture Date: 11/12/2023 8:05PM

AggregationExecutionID: 41543

IntegrityExecutionID: 41542

Actual 1-40th Day ADM

ADM20

CTDS: 07-03-00-000

Fiscal Year: 2024

Summary Adjusted ADM Report by DOR

Page: 2 of 2

School Year: 2023 - 2024

Report Date: 11/13/2023 08:20 PM

Data Capture Date: 11/12/2023 8:05PM

AggregationExecutionID: 41543

IntegrityExecutionID: 41542

Projected 1-100th Day ADM

ADM20 Detail

Projected 1-100th Day ADM							
	NON AOI ADM	AOI Full-Time ADM	AOI Part-Time ADM	Dropout Recovery Program ADM	Grand Canyon Diploma Program ADM	Total	
Grade						ADM	Cumulative
PS						0.0000	
KG						0.0000	0.0000
1						0.0000	0.0000
2						0.0000	0.0000
3						0.0000	0.0000
K-3						0.0000	
4						0.0000	0.0000
5						0.0000	0.0000
6						0.0000	0.0000
7						0.0000	0.0000
8						0.0000	0.0000
UE						0.0000	0.0000
K-8,UE						0.0000	
9	6,683.3312	30.2833	0.0000			6,713.6145	6,713.6145
10	6,875.3074	92.2378	0.0000			6,967.5452	13,681.1597
11	6,315.6730	142.4238	0.0000			6,458.0968	20,139.2565
12	5,937.7082	286.5314	0.0000			6,224.2396	26,363.4961
9-12	25,812.0198	551.4763	0.0000			26,363.4961	
Grand Total	25,812.0198	551.4763	0.0000			26,363.4961	

SPED20

SPED20

Fiscal Year: 2024

School Year: 2023 - 2024

Data Capture Date: 11/12/2023 8:05PM

Special Education Program Summary ADM Report by DOR

CTDS: ██████████

Page: 1 of 1

Report Date: 11/13/2023 08:36 PM

Aggregation ID: 41543

Disability Category	SPED Weight	Actual 1-40th Day ADM		Projected 1-100th Day ADM	
		Self-Contained	Resource	Self-Contained	Resource
Autism - SC	5.9880	521.7340		520.8879	
Subtotal		521.7340		520.8879	
Multiple Disabilities - Severe Sensory Impairment	7.9470	4.2000		4.0800	
Subtotal		4.2000		4.0800	
Orthopedic Impairment - SC	6.7730	2.0000		2.0000	
Subtotal		2.0000		2.0000	
Developmental Delay	0.2920	36.3772		35.4372	
Emotional Disability		19.3771		20.2920	
Mild Intellectual Disability		13.4889		13.0080	
Other Health Impairment		23.4803		23.2253	
Specific Learning Disability		25.6614		25.4814	
Speech/Language Impairment		4.2773		3.6873	
Subtotal		122.6622		121.1312	
Moderate Intellectual Disability	4.4210	9.5000		9.5000	
Subtotal		9.5000		9.5000	
Visual Impairment	4.8060	2.9750		2.9900	
Subtotal		2.9750		2.9900	

EL20

EL20

CTDS: ~~07-02-20-000~~

Fiscal Year: 2024

English Learner Program Summary ADM Report

Page: 1 of 1

School Year: 2023 - 2024

Report Date: 11/13/2023 08:42 PM

Data Capture Date: 11/12/2023 8:05PM

Aggregation ID: 41543

EL Program Services	Actual 1-40th Day EL ADM	Projected 1-100th Day EL ADM
A1 - Structured English Immersion (SEI) Pull-Out Model	24.2525	26.6450
Total	24.2525	26.6450

NOTES:

Missing EL Program Services rows indicate that no data were available for this district.



Reconciliation



Reconciliation Internal Practice

- Stay up to date on communications from School Finance
- Be aware of Data Capture and Payment Dates
- Know how and when your SIS is set up to synch data
- Develop a daily/weekly/monthly schedule for reconciliation
- Use the tools developed within your SIS to reconcile
- Learn useful Excel functions, such as filters, Xlookup, and Pivot tables

Reconcile AzEDS Data

- Validate the data has landed in AzEDS
- Check your Integrity Errors and Warnings
- Review your ADM20 report before a Data Capture



Questions



Contacting School Finance

Phone | Help Desk | Email

School Finance 602-542-5695		
Payments (Opt 1) <ul style="list-style-type: none">• BSA• CSF• IIF	Budgets (Opt 2) <ul style="list-style-type: none">• Expenditure Budgets• Annual Financial Reports<ul style="list-style-type: none">• BUDG25BUDG75 BUDGAGD	Analyst (Opt 3) <ul style="list-style-type: none">• Student Data• School District Employee Report• Instructional Calendars• Transportation Reporting<ul style="list-style-type: none">• 915s
SchoolFinance@azed.gov		