

## **BIE Attendance Data Mart**

Last Modified on 10/22/2022 10:13 am CDT

Classic View: BIE Reports > BIE Attendance Data Mart

**Search Terms**: BIE Attendance Data Mart; Data Mart

Data Marts provide a way for states and districts to federally report on a variety of student data collections. The information stored in a data mart is collected by a snapshot and cannot be altered. Each data mart follows the same validation and authentication workflow process to allow for corrections to be made to student information fields before final sign-off and submission to federal reporting.

BIE Attendance Data Mart Logic | Understand Attendance Calculations | Tool Rights | Data Mart Workflow | Generate a Snapshot | Generate a Report | BIE Attendance Data Mart Reported Fields

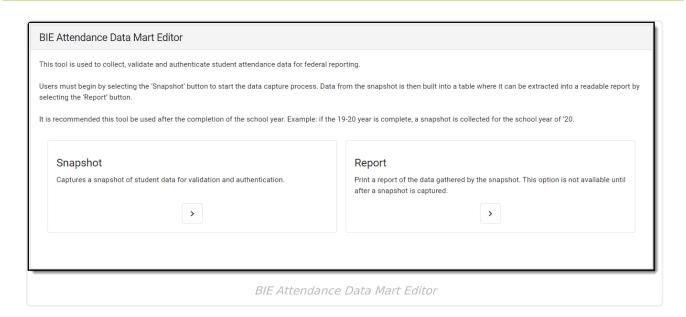
The **BIE Attendance Data Mart** is used to collect and store student chronic absenteeism records for federal reporting. This tool relies on aggregated attendance records and does not include same-day or future dated attendance marks.

Before you start, consider the following.

On a nightly basis, an attendance aggregation processing job runs at the district-level to update the aggregated attendance data to include the prior days attendance. Because this job only looks at changes made to attendance fields the day prior, backdated attendance changes may not be included. To ensure all attendance data (including any backdated changes) are included in the attendance aggregation, districts should periodically run the Attendance Aggregation Refresh tool.

The BIE Attendance Data Mart tool is available in both BIE District Edition and BIE State Edition sites; however, the Authentication Snapshot is limited to ONLY users of BIE State Edition sites.





# **BIE Attendance Data Mart Logic**

State Edition and District Edition sites use the following logic when a snapshot is generated.

▶ Click here to expand...

#### **Understand Attendance Calculations**

▶ Click here to expand...

# **Tool Rights**

Tool rights must be assigned to use this tool.

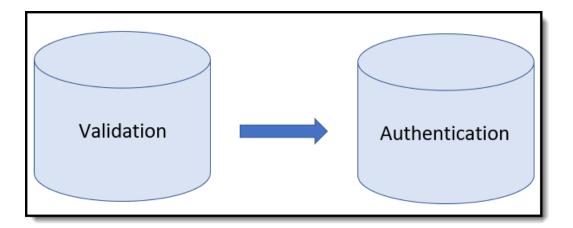
▶ Click here to expand...

#### **Data Mart Workflow**

Additional information regarding the process and workflow of a Data Mart can be viewed in the Data Mart Workflow article.

All Data Marts follow a two-step Validation and Authentication process. By following this process, student data can be reviewed and corrected before it is submitted on for federal reporting.





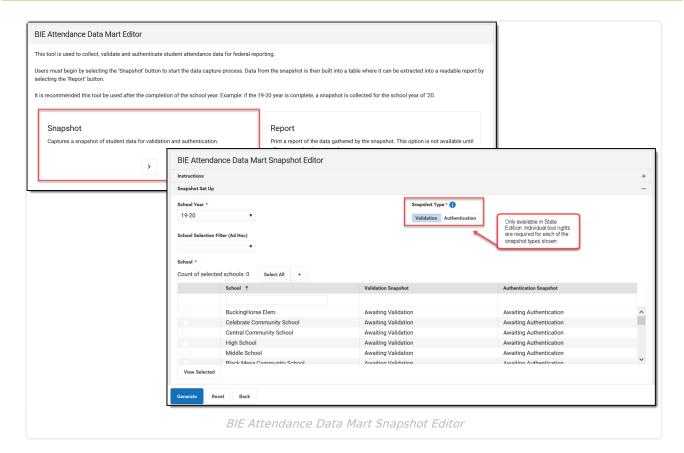
# **Generate a Snapshot**

Snapshots are the student data collection method data marts use to capture specific data points (first name/last name, gender, etc.) at a particular moment in time and build them into a data table. Student information captured by a snapshot is static and will not be reflective of real-time changes made in the user interface where the data fields live.

For each school included in the snapshot, one data table is built. A school must have at least one eligible calendar for a snapshot to generate. This process can be done for one to multiple schools at a time; however, processing time may vary when more than one school is selected.

Only State Edition users are able to generate authentication snapshots.





- 1. Select **Snapshot** from the BIE Attendance Data Mart Editor.
- 2. Select a **Snapshot Type:** Validation or Authentication. District Edition sites automatically default to Validation therefore no selection is required.
- 3. Select a School Year.
- 4. Select a pre-created Ad Hoc filter from the **School Selection Filter**. (Optional) This field is only available in State Edition.
- 5. Select one or multiple **schools**. One snapshot will generate per school.
- Select **Generate**. Notification will be sent to Process Alerts when the snapshot is done processing.

#### Consider generating a new snapshot when (but not limited to):

- Corrections were made to student attendance affecting the amount of days the student was present/absent.
- Changes were made to the calendar instructional days added/removed because of unforseen events (i.e. weather).
- A length of time has passed from when the last snapshot was generated and a final authentication report is ready for submission.
- \* Snapshots can be generated as needed; however, a history of snapshots will not be stored and data from the previous snapshot will be overwritten when a new snapshot is generated.

## **Snapshot Editor Field Descriptions**



Field	Description		
Snapshot Type (State Edition only)	Only available for selection in State Edition sites. District Edition sites automatically default to Validation.		
	<ul> <li>This field determines the type of snapshot to generate.</li> <li>Validation captures the records from the user interface and builds a data table. A validation snapshot is required before an authentication snapshot can be generated. After generating the validation snapshot use the validation report to review the data.</li> <li>Authentication is a copy of the data collected from the most recent validation snapshot and is used for federal reporting submission. After generating the authentication snapshot use the authentication report for final sign-off and submission.</li> </ul>		
	*Consider generating a final validation snapshot before the authentication snapshot is generated. This will ensure any changes made during the validation process are captured and all correct information is submitted for final reporting.		
School Year	Identifies the year the snapshot is capturing and collecting attendance data from.		
School Selection Filter (Ad hoc)	Only available in State Edition sites.		
(State Edition only)	Allows for the selection of an ad hoc filter to filter down to a pre-defined list of schools.		
	Use Filter Type: Selection Editor in Ad hoc Reporting > Filter  Designer and Data Type District to create a school list.		
School	Allows for the selection of one or multiple schools. Snapshot processing time may vary if more than one school is selected. Use the search field located at the top of the school list to search for a specific school.		
	Only one snapshot will be generated and stored per school.		
Count of Selected Schools	Displays a numeric value for the amount of schools that have been selected to be included in the snapshot.		
Select All	Selects all, or deselects all schools across all pages to be included in the snapshot.		
View Selected	Displays a view-only side panel with a listing of all the schools selected for the snapshot.		



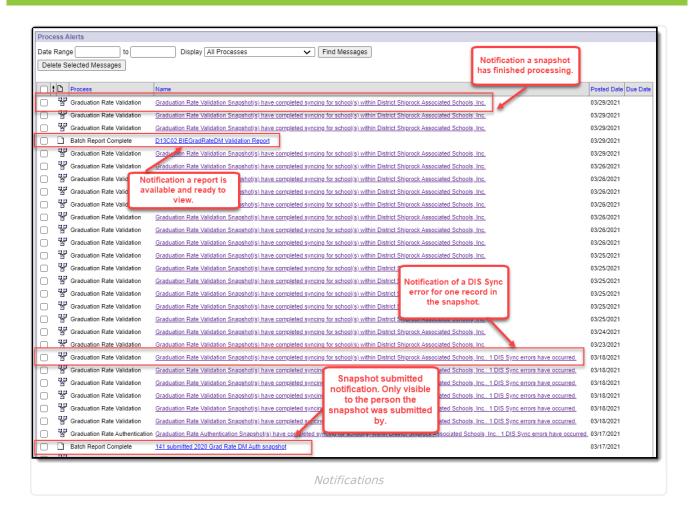
Field	Description	
Generate	Select after all other required field selections have been made. A report is not automatically produced when a snapshot has finished generating. Refer to the Report section for further details.	
	Campus does not retain a history of snapshots. When a new snapshot is generated, data from the previous snapshot will be overwritten. Users may choose to generate a new snapshot as corrections are being made to various areas of student information.	
Reset	Returns screen to original defaults.	
Back	Returns user to the BIE Attendance Data Mart editor screen.	

#### **Notifications**

Users with Read (R) access to the BIE Graduation Rate Data Mart tool will receive notifications in their Process Alerts when:

- a snapshot has been submitted. Only the user who submitted the snapshot will receive this notification. By clicking on the message link a small notifications report will display.
- a snapshot (validation or authentication) has been submitted and has completed syncing. To view the data captured by the completed snapshot, a report must be generated.
- a report is available. If a user selected Submit to Batch Queue to generate the report (validation or authentication), a notification will display when it is ready to view. Click the message link to view the report. The report can also be retrieved from the data mart's Report tool.
- an error has prevented a record from syncing to the state. The DIS Sync error can be further reviewed in the Error Log under System Administration > Data Interchange.
  - Errors can not be corrected in the snapshot. If a correction is needed, it must be made in the location the data is entered. Generate a new snapshot to sync the corrected record.
  - If a record failed to sync, only that record is affected and will not prevent other records from syncing.





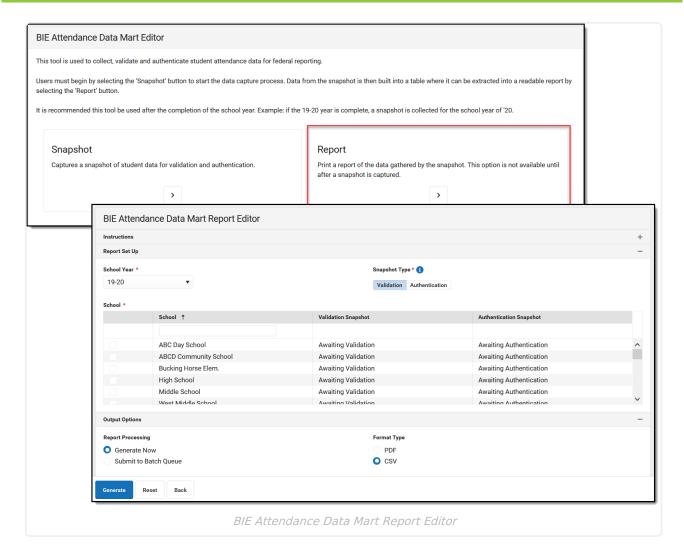
## **Generate a Report**

Generate a report for a specific school and school year to review or authenticate the student information captured by the snapshot. Only one school and school year may be selected at a time.

A sign-off page will append to the end of the printed PDF version of the Authentication Report.

The BIE Attendance Data Mart report includes personally identifying student information including NASIS ID's.





- 1. Select **Report** from the BIE Attendance Data Mart Editor.
- 2. Select a Snapshot Type.
- 3. Select a School Year.
- 4. Select a **school**. This does not allow for selection of more than one school.
- 5. Select Generate Now or Submit to Batch Queue from Report Processing.
  - If Submit to Batch Queue is selected, a Process Alerts notification will be sent to the user's Message Center when the report is ready to view.
- 6. Select **Report Format** (CSV or PDF). The Signature Page will only print when PDF is selected for the Authentication Report.
- 7. Select **Generate**.

## **Report Editor Field Descriptions**

Field	Description
Snapshot Type	<ul> <li>Determines which table to generate the report from (Validation or Authentication).</li> <li>Only the Validation Report can be used with the Validation Snapshot.</li> <li>Only the Authentication Report can be used with the Authentication Snapshot.</li> </ul>



Field	Description	
School Year	Identifies the school year the chronic absenteeism attendance is based from.	
School	Allows for the selection of a single school to view the data records captured by the snapshot.	
Output Options		
Report Processing	Determines if the report should be generated now or processed at a later time.  If Batch Queue is selected, users will receive a notification in their Process Alerts inbox when the report is ready.	
Format Type	Select <b>Report Format</b> (CSV or PDF).  The Authentication Signature page only appends when the Authentication Report is generated in PDF format.	
	This report returns a high amount of data points therefore users may find it easier to review in CSV format first.	

# **Report Example**



#### **BIE Attendance Data Mart Report**

School Year: 19-20

District: River School School: River School

Authentication Date: Awaiting Authentication Validation Snapshot Date: 04/21/2021 03:04:00 PM

Generated On: 4/21/2021 3:20:45 PM

NASIS ID	Federal Days Absent	Federal Percent Absent	Chronically Absent
	1	0.63	N
	0	0.00	N
	2	1.24	N
	0	0.00	N
	1	0.62	N
	2	1.25	N
	5	3.13	N
	1	0.63	N
	1	0.66	N
	6	3.75	N
	2	1.32	N
	1	0.62	N
	0	0.00	N
	1	0.62	N
	1	0.62	N
	3	1.86	N
	0	0.00	N.

Attendance Data Mart Validation Report - PDF Format



BIE Attendance Data Mart Report				
School Year: 19-20				
District: River School	School: River School			
uthentication Date: 04/22/2021 12:22:00 PM	Validation Snapshot Date: 04/22/2021 12:07:00 PM			
Generated On: 4/22/2021 1:50:28 PM				
I (we) have completed the steps necessary to authenticate the data contained within the BIE Attendance Data Mart. I (we) conclude that the data accurately reflects attendance details for students associated to the specified school year.				
Signature	- Date			
Name (please print)				
Title				
Signature	Date			
Name (please print)				

BIE Attendance Data Mart Authentication Signature Page - PDF

# **BIE Attendance Data Mart Reported Fields**

Field	Description	Location
Authentication Date	The date and time when the BIE Attendance Data Mart snapshot was authenticated for the school.	N/A
Validation Date	The date and time of the last BIE Attendance Data Mart validation snapshot for the school.	N/A
NASIS ID	The unique identifier for the student.	Census > People > Demographics > NASIS ID
		Database: person.otherID



Field	Description	Location
Last Name CSV Only	Reports the student's last name.	Census > People Identities > Current Identity > Last Name  Database: identity.lastName
First Name CSV Only	Reports the student's first name.	Census > People Identities > Current Identity > First Name  Database: identity.firstName
Middle Name CSV Only	Reports the student's middle name.	Census > People Identities > Current Identity > Middle Name  Database: identity.middleName
Suffix CSV Only	Reports the suffix of the student's name.	Census > People Identities > Current Identity > Suffix  Database: Identity.suffix
Birth Date CSV Only	Reports the student's date of birth.	Census > People > Identities > Current Identity > Birth Date  Database: Identity.birthDate
Gender CSV Only	Reports the student's sex.	Census > People > Identities > Current Identity > Gender  Database: student.gender
Grade CSV Only	Reflects the student's instructional grade of their latest enrollment for all calendars within the school for the school year.	Student Information > General > Enrollment > Grade  Database: enrollment.grade
Federal Days Absent	Reports the total number of days a student is considered to be chronically absent within the school. Further information regarding the Federal Days Absent logic can be found in the Chronic Absenteeism section of this article.	Calculated



Field Description	Location
-------------------	----------

Federal Percent Absent	Reports the students percentage of chronic absenteeism.  The following calculation is used: (Federal Days Absent / Scheduled Days) * 100 = Federal Percent Absent.	Calculated
Chronically Absent	Reports 'Yes' if the student is considered to be chronically absent. Reports 'No' if the student <i>is not</i> considered to be chronically absent.	Calculated
Count Date Enrollment CSV Only	Identifies if the student had an active enrollment at the time of the Count Date - October 1. October 1 must be marked Instructional to be considered the Count Date for the calendar for the school year. If October 1 falls on a non-instructional day, such as a weekend, the next calendar day marked Instructional is considered the Count Date for calendar for the school year.  Reports 'Y' if the student had an active enrollment on the Count Date. Otherwise, 'N' reports.	Student Information > General > Enrollments > Start Date/End Date  Database: Calculated



Field	Description		Location
Primary Disability CSV Only	Reports the student's primary disability from their latest plan of the selected school year. A plan is eligible if the plan dates overlap the student's primary enrollment start and end dates.  The following LOCKED BIE plan types will report:  • BIE IEP  • BIE IEP with Transition		Student Information > Special Ed > General > Documents > Plans > Enrollment Status > Primary Disability  Database: planstate.disability1
Special Ed Setting CSV Only	Reports the student's Special Ed Setting from their latest plan of the selected school year. A plan is eligible if the plan dates overlap the student's primary enrollment start and end dates.  The following LOCKED BIE plan types will report:  BIE IEP BIE IEP BIE IEP with Transition		Student Information > Special Ed > General > Documents > Plans > Enrollment Status > Special Ed Setting  Database: planstate.specialEdSetting
English Learner CSV Only	The English Learner (EL) Code populates when when the student meets one of the following conditions.  'Not EL' reports if:  • the student's program status is not EL  • the student's program status is not Exited EL  If Reports as  The following logic is used to determine the temporary reporting window:  • Active EL Window Start is the Identified Date  • Active EL Window End is the Fourth Year Monitoring Date		Student Information > General > Program Participation > English Learners (EL) > Program Status  Student Information > General > Program Participation > English Learners (EL) > Fourth Year Monitoring  Database: Calculated



Field	Dlescription	Reports as	Location
	Student's Program Status equals EL OR the student's Program Status equals exited EL with an exit date AFTER the temporary reporting window.	EL	
	Student Program Status = Exited EL AND the First Year Monitoring Date is on or within the reporting window	1st Year Monitoring	
	Student Program Status = Exited EL AND the Second Year Monitoring Date is ON OR WITHIN the Reporting Window	2nd Year Monitoring	
	Student Program Status = Exited EL AND the Third Year Monitoring Date ON OR WITHIN the Reporting Window	3rd Year Monitoring	



Field	Dlescription	Reports as	Location
	Student Program Status = Exited EL AND the Fourth Year Monitoring Date ON OR WITHIN the Reporting Window	4th Year Monitoring	
	Student did NOT meet any of the above conditions	NOT EL	
Economic Disadvantaged CSV Only	Reports a status of Y.		N/A
Migrant CSV Only	Reports a status of N.		N/A
Homeless CSV Only	Reports the student's homeless status of the Homeless Nighttime Residence field from the last year of their enrollment within the cohort.		Student Information > General > Enrollment > Service Type  Student Information > General > Enrollment > BIE Reporting > Homeless Nighttime Residence  Database: bie.homelessNighttimeResidenceBIE
Foster Care CSV Only	Reports the student's BIE foster care status for the selected school year.  Otherwise, 'N' reports.		Student Information > Program Participation > BIE Foster Care > Start Date  Student Information > Program Participation > BIE Foster Care > End Date



Field	Description	Location
Race/Ethnicity CSV Only	Reports the student's race/ethnicity code tied to their current identity.	Census > People > Identities > Race Ethnicity > Federal Designation
		<b>Database:</b> Identity.raceEthnicity
Military Connection Status CSV Only	Reports the status of the student's relationship to the military for the selected school year.	Student Information > General > Enrollment > BIE Reporting > Military Connected
	Otherwise, 'N' reports.	<b>Database:</b> enrollmentBIE.militaryConnected
Section 504 CSV Only	Reports the student's 504 plan status.	Student Information > Program Participation > BIE Section 504 > Start Date
	Otherwise, 'N' reports.	
		Student Information > Program Participation > BIE Section 504 > End Date
Tribe CSV Only	Reports the tribal code of the tribe the student belongs to.	Student Information > General > NASIS > Tribe
		<b>Database:</b> nasis.tribalCode
BIE Enrollment Type (ISEP Status) CSV Only	Reports the student's BIE Enrollment Type for the school year selected.	Student Information > General > Enrollment > BIE Reporting > Enrollment Type
esv omy		<b>Database:</b> bie.stateAidBIE
BIE District Number CSV Only	Reports the BIE District Number of the District tied to the reporting school.	System Administration > Resources > District Information > BIE District Number
		<b>Database:</b> District.groupNumber
BIE Group Number (State School	Reports the BIE Group Number of the reporting school.	System Administration > Resources > School > BIE Group Number
Number) CSV Only		<b>Database:</b> School.groupNumber

