MN Ed-Fi Suite v3.6.2, Data Standard v4.0: Students

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Summary

This entity represents an individual for whom instruction, services, and/or care are provided in an early childhood, elementary, or secondary educational program under the jurisdiction of a school, education agency or other institution or program. A student is a person who has been enrolled in a school or other educational institution.

Object Triggering Logic

Action	Business Rule(s)

Post	Reports a record when an Enrollment-Transportation combination that overlaps the configured year is created and saved for a person **AND** they have a Student Unique ID.

Reports a record when an Enrollment-Transportation combination that overlaps the configured year is created and saved for a person **AND** they have a Student Unique ID.

- A record is only reported for Enrollments in the same School Year as the Ed-Fi Connection sending the record.
  - School Year dates are defined in School Year Setup.
    - If Start Date is NULL, 07/01/StartYear will be used.
    - If End Date is NULL, 06/30/EndYear will be used.
- Do not report a record if the any of the following exclusions are present:
  - Person has a NULL Student Unique ID (whatever field is being used for the studentUniqueId data element below).
  - Enrollment No Show
  - Enrollment Grade Level Exclude
  - Calendar Exclude
  - School Exclude

| Delete/Post

Put | A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.

When any of the following information is changed on Identity: Identity ID (New Identity) Effective Date Birth Date Birth City Birth State Birth Country Date Entered US First Name Legal First Name Middle Name Legal Middle Name Last Name Legal Last Name Suffix Legal Suffix Gender Legal Gender When any of the following information is changed on Demographics: Ed-Fi ID Changes to Resource Preferences mappings **do NOT trigger**. A manual resync must be performed on the resource if mappings are changed. |

Delete	Students records are shared amongst all districts and cannot be deleted. When the Student School Association is deleted, the district will no longer have the authorization to see or perform a delete on the Students record.

Error loading the extension!

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- People

Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- Student Education Organization Associations
- Student Homeless Program Associations
- Student Language Instruction Program Associations
- Student School Associations
- Student School Food Service Program Associations
- Student Section Associations
- Student Special Education Program Associations
- Student Title I Part A Program Associations
- Student 21st Century Learning Center Grant Program Associations
- Student ADSIS Program Associations
- Student CEIS Program Associations
- Student Early Childhood Screening Program Associations

- Student Early Education Program Associations

- Student Gifted Talented Program Associations

- Student PSEO Concurrent Program Associations

- Student PSEO Program Associations

- Student SAAP Program Associations

- Student Section 504 Plan Program Associations

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix
400: Validation of '**RESOURCE**' failed. **FIELD** is required.	An element of the JSON that is required is missing and needs to be added. • Double check that all bolded data elements below are reporting a valid value and no data elements below are reporting an invalid value.
400: '**RESOURCE**' failed. **RESOURCE** reference could not be resolved.	A resource that was referenced from a difference resource does not yet exist. • Resync the resource being mentioned in the error, then resync the errored resource. Alternatively, the resource being referenced may be incorrect. This can happen with Schools and the Ed-Fi School ID being used as an example. Double check the referenced values being sent are valid.

403: Authorization denied. The claim does not have any established relationships with the requested resource.	The key/secret being used does not have permission to send a record for the resource / referenced resource.
	• Double check your API credentials (key/secret). Sometimes specific keys/secrets cannot report specific resources.
	• The referenced person (student, staff, parent, contact, etc.) has not yet been associated to the key/secret. Resync their "linking" resource (Students → Student School Associations, Staffs → Staff Education Organization Assignment Associations, etc.) then resync the errored resource.
	• The referenced person (student, staff, parent, contact, etc.) may not exist in the ODS yet. Resync the "person" resource and the "linking" resource (Students → Student School Associations, Staffs → Staff Education Organization Assignment Associations, etc.) then resync the errored resource.
404: Failed to delete '**RESOURCE**'. Record does not exist.	The attempt to delete a specific Ed-Fi record ID in the ODS failed because it did not exist.
	• This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.

409: A natural key conflict occurred when attempting to create a new resource '**RESOURCE**' with a duplicate key.	The Ed-Fi API has a natural key system alongside a standard REST ID system. This error is often protecting against the erroneous creation of a duplicate record in the API. However, it may also indicate that the natural key requirements of the Ed-Fi API have not been satisfied, and the key needs to be modified. • Check for duplicate data in your Campus site. If no duplicate data can be found, report the issue to Campus Support. ○ This can be caused by numerous issues. Our code may be attempting to send duplicate records when it should not. The natural key (bolded fields below) may not be unique enough to satisfy Ed-Fi requirements in all cases. Most times this error will require a code change to fix.
409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the '**RESOURCE**' entity.	The resource that the application is attempting to delete is referenced from another entity. • Use the Delete Tool to delete the referenced resource in the error message. Then retry the delete on the original resource that errored.

500: Internal Server Error.	Something unexpected happened and no specific error message could be returned.
	• This issue usually occurs when the ODS is having issues. Confirm that there are no issues with the ODS the data is being sent to and then attempt to retry the errored record.
	• Contact Campus Support if 500 errors continue to occur, can be replicated consistently, and the ODS the data is being sent to has no ongoing issues.
	◦ There is a chance that Campus Ed-Fi code is sending an invalid JSON request resulting in the 500 error.
	◦ There is a chance that an Ed-Fi Data Standard / API bug is causing the issue.
	◦ Investigation is needed in these cases as there are many different potential causes.

Error loading the extension!

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element. For Core Ed-Fi connections, it indicates what the data standard requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✅ / ❌ / EXT)
1	**studentUniqueId** (*string*)	*A unique alphanumeric code assigned to a student.* Reports the **Ed-Fi ID**. ✅ CATs	M	Demographics	Person .edFiID	❌
2	birthCity (*string*)	*The city the student was born in.* Reports the **Birth City**. • Do not report if Birth City is NULL. ✅ CATs	O	Identities	Identity .birthCity	✅
3	birthCountryDescriptor (*string*)	*The country in which an individual is born. It is strongly recommended that entries use only ISO 3166 2-letter country codes.* Reports the Ed-Fi Code mapped to the value selected for **Birth Country** on the most recent Identity record. • By default it will report the code of the Birth Country as the Ed-Fi Code. • An override can be specified in the Resource Preferences of the Ed-Fi Connection under the Students resource. • Does not report if Birth Country is NULL. ✅ CATs	O	Identities	Identity .birthCountry	✅
4	birthDate (*date*)	*The month, day, and year on which an individual was born.* Reports the **Birth Date** from the most recent Identity record. • Does not report if Birth Date is NULL. ✅ CATs	M	Identities	Identity .birthdate	✅

5	birthSexDescriptor (*string*)	*A person's gender at birth.*
		
		Reports the **Legal Gender** from the person's most recent Identity record. Will report based on **Gender** if Legal Gender is NULL.
		
		• Male reports **Male**.
		• Female reports **Female**.
		• All other codes report **Not Selected**.
		  • This will error. This is by design to indicate that the Gender selected cannot be reported.
		• Only uses Legal Information when the "Report Legal Identifies when provided?" override is checked.
		  • This override can be specified in the Resource Preferences of the Ed-Fi Connection under the Students resource.
		  • When this override is **NOT** checked, only preferred information will be used.
		
		✅ CATs
			O	Identities	Identity .legalGender
					
					Identity .gender
						❌

6	birthStateAbbreviationDescriptor (*string*)	*The abbreviation for the name of the state (within the United States) or extra-state jurisdiction in which an individual was born.* Reports the Ed-Fi Code mapped to the value selected for **Birth State** on the most recent Identity record. • By default it will report the code of the Birth State as the Ed-Fi Code. • An override can be specified in the Resource Preferences of the Ed-Fi Connection under the Students resource. ✅ CATs	O	Identities	Identity .birthState	✅
7	dateEnteredUS (*date*)	*For students born outside of the U.S., the date the student entered the U.S.* Reports the **Date Entered US**. • Do not report if Date Entered US is NULL. ✅ CATs	O	Identities	Identity .dateEnteredUS	✅
8	firstName (*string*)	*A name given to an individual at birth, baptism, or during another naming ceremony, or through legal change.*	M	Identities	Identity .legalfirstName Identity .firstName	❌

		Reports the **Legal First Name** from the person's most recent Identity record.
		
		- Reports the **First Name** if Legal First Name is NULL.
		- Only uses Legal Information when the "Report Legal Identifies when provided?" override is checked.
		  - This override can be specified in the Resource Preferences of the Ed-Fi Connection under the Students resource.
		  - When this override is **NOT** checked, only preferred information will be used.
		
		  ✅ CATs				

9	generationCodeSuffix (*string*)	*An appendage, if any, used to denote an individual's generation in his family (e.g., Jr., Sr., III).*
		
		Reports the **Legal Suffix** from the person's most recent Identity record.
		
		- Reports the **Suffix** if Legal First Name is NULL.
		- Only uses Legal Information when the "Report Legal Identifies when provided?" override is checked.
		  - This override can be specified in the Resource Preferences of the Ed-Fi Connection under the Students resource.
		  - When this override is **NOT** checked, only preferred information will be used.
		
		  ✅ CATs
			O	Identities	Identity .legalSuffix
					
					Identity .suffix
						❌

10	lastSurname (*string*)	*The name borne in common by members of a family.*
		
		Reports the **Legal Last Name** from the person's most recent Identity record.
		
		- Reports the **Last Name** if Legal First Name is NULL.
		- Only uses Legal Information when the "Report Legal Identifies when provided?" override is checked.
		  - This override can be specified in the Resource Preferences of the Ed-Fi Connection under the Students resource.
		  - When this override is **NOT** checked, only preferred information will be used.
		
		  ✅ CATs
			M	Identities	Identity .legallastName
					
					Identity .lastName
						❌

11	middleName (*string*)	*A secondary name given to an individual at birth, baptism, or during another naming ceremony.*	O	Identities	Identity .legalmiddleName	❌

					Identity.middleName	

		Reports the **Legal Middle Name** from the person's most recent Identity record.
		
		• Reports the **Middle Name** if Legal First Name is NULL.
		• Only uses Legal Information when the "Report Legal Identifies when provided?" override is checked.
		  • This override can be specified in the Resource Preferences of the Ed-Fi Connection under the Students resource.
		  • When this override is **NOT** checked, only preferred information will be used.
		
		✅ CATs				

12	personReference	This data element is optional and does not report.	O	N/A	N/A	N/A
13	birthInternationalProvince	This data element is optional and does not report.	O	N/A	N/A	N/A
14	citizenshipStatusDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A
15	identificationDocuments	This data element is optional and does not report.	O	N/A	N/A	N/A
16	maidenName	This data element is optional and does not report.	O	N/A	N/A	N/A
17	multipleBirthStatus	This data element is optional and does not report.	O	N/A	N/A	N/A
18	otherNames	This data element is optional and does not report.	O	N/A	N/A	❌
19	personalIdentificationDocuments	This data element is optional and does not report.	O	N/A	N/A	N/A
20	personalTitlePrefix	This data element is optional and does not report.	O	N/A	N/A	N/A
21	visas	This data element is optional and does not report.	O	N/A	N/A	N/A