# WI Ed-Fi Suite 3 API v7.3 Data Standard v5.2: Student Education Organization Associations

October 2025

# WI Ed-Fi Suite 3 API v7.3 Data Standard v5.2: Student Education Organization Associations

## Summary

This association represents student information that is specific to a student's relationship with an Education Organization.

## Object Triggering

| Action | Business Rule(s) |
|---|---|
| Post | When an enrollment is created and saved for a person and the enrollment overlaps a configured year<br><br>• Do not send a record if enrollment is in a calendar marked as State Exclude<br>• Do not send a record if enrollment is in a School marked as State Exclude<br>• Do not send a record if the No Show, State Exclude, or WISE Exclude checkbox is checked on the enrollment<br>• If Ed-Fi Configuration Profile = Choice + Opt in report a record for all eligible students if Choice = Yes or No on the student's enrollment<br>• If Ed-Fi Configuration Profile = Choice AND Choice = No on Student enrollment, do not report a record<br>• Send only 1 record per unique School/ Student combination based on primacy<br><br>  1. State Enrollment Type = Primary<br>  2. Enrollment Type = Primary<br>  3. Enrollment Type = Special Ed<br>• If School Override is populated on enrollment, report an additional record with the associated Ed-Fi School Number. |
| Put | When any student data is edited for the person in the Data Elements fields below that is not part of the natural key |
| Delete/Post | N/A |
| Delete | Delete if the student no longer has an eligible enrollment in the District<br><br>When the State Exclude, WISE Exclude, or No Show check boxes are checked |

## Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Students

## Dependent Resources (Downstream)

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

- N/A

## 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 |
|---|---|
|  |  |

## Object Data Elements

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.
- The Uses Core Template Rules column indicates if the element uses Infinite Campus Core Ed-Fi rules, has been localized in accordance with DOE requirements, or the element has been added by a DOE as an Extended Element.

| | Data Element Label | Business Rule(s) | Mandatory/ Conditional/ Optional | Tool Path | Database Field | Te<br><br>(Y/ |
|---|---|---|---|---|---|---|
| 1 | **educationOrganizationId**<br><br>*(reference)* | *A reference to the related education organization.*<br><br>1. Report the Ed-Fi school number for the student's enrollment record from the School Override field on the enrollment record if it is populated.<br>  a. If the school override is the same as the school for the enrollment record, only report 1 record.<br>2. Otherwise, report the Ed-Fi school Number (System Administration > Resources > School) associated with the student's enrollment record | M | N/A | N/A | |
| 2 | **studentReference**<br><br>*(reference)* | *A reference to the related Student resource.*<br><br>1. Reports the natural key of the Students resource | M | N/A | N/A | |

| 3 | addresses<br><br>*(array)* | *The set of elements that describes an address, including the street address, city, state, and ZIP code.*<br><br>1. If No is selected for LEA "Opt-in" under Ed-Fi Configuration > Resource Preferences > Student Education Organization Associations > Addresses, report Null.<br>2. If Yes is selected for LEA "Opt-in", report the most current Primary address that is marked as "Mailing"<br>   a. If more than 1 Primary Address marked as Mailing, report address with most recent Household Membership Start Date<br>      i. Else, report the address with most recent Address Start Date<br>   b. Do not report if the Address Location Detail or Household Membership is marked as "Private"<br>   c. If multiple primary addresses exist and 1 is marked Physical, report a second address with an addressTypeDescriptor of "Home"<br>      i. Note: Only 1 of each address type may be reported.<br>   d. If only 1 address exists and only Mailing or Physical are checked, report 2 records - 1 with an addressType = Home and the 2nd record with same address with addressType = Mailing.<br>   e. See Business Rule S3 in Scope Year logic to determine the eligibility of records<br>   f. See Array section below for data logic for each field<br><br>**There should be no leading or trailing white space when reporting this data** | O | Household<br><br>Address | HouseholdLocation. physical<br><br>HouseholdLocation. mailing<br><br>HouseholdMember. startDate<br><br>Householdlocation. StartDate | |

| | | | | | |
|---|---|---|---|---|---|
| 4 | disabilities<br><br>*(array)* | *An unordered collection of studentEducationOrganizationAssociationDisabilities. The disability condition(s) that best describes an individual's impairment, as determined by evaluation(s) conducted by the education organization.*<br><br>1. If the enrollment determining the record is in a School with Ed-Fi Configuration Profile = Public, do not report this array<br>2. Otherwise, report the Ed-Fi Code Value from the Disability Descriptor page linked below under Type/Descriptors WI based on the Ed-Fi code value for each disability the student meets.<br>3. See the Array section above for Disabilities for full reporting requirements | | | |
| 5 | electronicMails<br><br>*(array)* | *The numbers, letters, and symbols used to identify an electronic mail (e-mail) user within the network to which the individual or organization belongs.*<br><br>1. Reports the email address entered for that person<br>   a. Do not report if Email is marked as "Private"<br>2. If blank, does not report<br>3. See Array section for data logic for each field | O | Demographics | contact.email |

| 6 | hispanicLatinoEthnicity<br><br>(boolean) | *An indication that the individual traces his or her origin or descent to Mexico, Puerto Rico, Cuba, Central and South America, and other Spanish cultures, regardless of race. The term, ""Spanish origin,"" can be used in addition to ""Hispanic or Latino.""*<br><br>1. Report "Is the individual Hispanic/Latino?" from the student's current identity:<br>   a. If droplist is = Yes, report "true"<br>   b. If droplist is = No, report "false" | O | Demographics | identity. hispanicEthnicity | |
| 7 | languages<br><br>(array) | *The language(s) the individual uses to communicate. It is strongly recommended that entries use only ISO 639-3 language codes.*<br><br>1. See Array section below for data logic for each field | O | N/A | N/A | |
| 8 | races<br><br>(array) | *The general racial category which most clearly reflects the individual's recognition of his or her community or with which the individual most identifies. The data model allows for multiple entries so that each individual can specify all appropriate races.*<br><br>1. See Array section below for data logic for each field | O | Demographics | IdentityRaceEthnicity<br><br>racethnicity.raceid | |

**Transforming K12 Education®**

| 9 | sexDescriptor<br><br>*(string)* | *A person's gender.*<br><br>1. Report from the current identity record overlapping the enrollment<br>   a. Check to see if the "Report Legal Identifies when provided" checkbox is selected on the Students resource preferences editor<br>     i. If yes, check to see if Legal Gender is populated<br>       1. If yes, report the value from Legal Gender<br>       2. If no, report the Gender value based on the value selected in the droplist:<br>         a. Female, report 'F'<br>         b. Male, report 'M'<br>         c. Non-binary, report 'X'<br>     ii. If no, report the Gender value based on the value selected in the droplist:<br>       a. Female, report 'F'<br>       b. Male, report 'M'<br>       c. Non-binary, report 'X' | O | Demographics | identity.gender<br><br>identity.legalGender | |
|---|---|---|---|---|---|---|
| 10 | identificationCodes<br><br>*(array)* | *A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to a student.*<br><br>1. See Array section for reporting logic | O | N/A | N/A | |

| 11 | tribalAffiliations / tribalAffiliationDescriptor<br><br>*(array / string)* | *An American Indian tribe with which the student is affiliated as last reported to the education organization.*<br><br>1. Report the Ed-Fi code(s) mapped in resource preferences for any and all values saved in the multi-select tool where standard code value = AIAN<br>  a. Otherwise, do not report | O | Race/Ethnicity | |
| 12 | ancestryEthnicOrigins / ancestryEthnicOriginDescriptor<br><br>*(array / string)* | *The original peoples or cultures with which the individual identifies.*<br><br>1. If Is the individual Hispanic/Latino? = Yes, report mapped Ed-Fi Codes from Detailed Hispanic /Latino Codes<br>2. If Race = Asian or Black/African American, report mapped Ed-Fi Codes from Detailed Ancestry /Tribal Codes | O | Race/Ethnicity | |
| 13 | telephones | 1. This is optional, does not report | O | N/A | N/A |
| 14 | indicators | 1. This is optional, does not report | O | N/A | N/A |
| 15 | characteristics | 1. This is optional, does not report | O | N/A | N/A |
| 16 | limitedEnglishProficiencyDescriptor | *An indication that the student has been identified as limited English proficient by the Language Proficiency Assessment Committee (LPAC), or English proficient.* | O | EL | |

**Transforming K12 Education®**

1. For the current scope year , as defined on the configuration (current date is within the start and end date of the year dates)
   a. Find the EL record to be used as of today's date:
      i. Find all EL records where the EL Identified Date is before today's date.
         1. EL records with an Identified Date after today's are disregarded.
      ii. Use the record if one of the following are true:
         1. The today's date falls between the EL Identified Date and EL Exit Date
         2. Today's date falls after Identified Date and No exit date exists
         3. Program Status must be "EL" or "Exited EL"
      iii. If today's date does not fall between the Identified Date and the Exit Date of any LEP record,AND no record exists without an Identified Date, then
         1. Find the most recently exited record .
         2. EL second year monitoring date must fall after or within the current configuration.
            a. Example- 20-21 configuration dates: 07/01/2020-06/30/2021 (each year after follows same pattern)
               i. EL exit date is 08/25/20202- this is reportable through the 2022-2023 school year because 2nd year monitoring is 08/25/2023

2. For any previous year's data (scope year set to a year with an end date prior to the current date)

   a. Find the latest EL record within the configuration or before (on or before the last date of the year)
   b. Program Status must be "EL" or "Exited EL"
   c. Follow below to determine what value to report

Logic for reporting from EL Record

1. From the identified EL record, calculate the reported value

**Transforming K12 Education®**

a. If there is an 'English Proficiency Override' value on the EL record used (see above for logic on which record to use), report that value

b. If no English proficiency override exists AND the student has exited EL Status and the Exit date is prior to the current date/ end of year date, report '6'.

c. Else find an EL Assessment of Assessment Type 'LPF' or 'LID'
   i. If the student's EL Identified date is prior to the start date of the school year use the most recent assessment score in the prior year or earlier (if they have no assessments in the prior year)
      1. Score must be on the parent assessment
      2. This score must report through the end date on index>system admin> calendar>school years> end date
         a. IF Null report this through 6/30 /current year
   ii. If the student is a new EL student, use the current school year's earliest assessment score
      1. The student's EL identified date must be on or after the start of the scope year and on or before today's date.
      2. Score is on the parent test
   iii. From the identified assessment, pull the result value (1.0-6.0) and display the result truncated to the whole number
      1. For example; the Result on the EL Assessment being considered = 2.8, a '2' is reported
   iv. Any test with a value outside this range (6.1 or above, or 0-.9) is disregarded and does not report

| | | | | | |
|---|---|---|---|---|---|
| | | 2. If Home Primary Language is equal to eng (English), report 7<br>3. If the Student has an EL record but does not meet the above, report 7 | | | |
| 17 | InternetAccessInResidence<br><br>*(boolean)* | *An indication of whether the student is able to access the internet in their primary place of residence.*<br><br>1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report based on the following value selected in Internet Access in Residence for the most recent record:<br>  a. If No, report 'False'<br>  b. If Yes, report 'True'<br>2. If null, do not report | O | Digital Equity | |
| 18 | BarrierToInternetAccessInResidenceDescriptor<br><br>*(string)* | *An indication of the barrier to having internet access in the student s primary place of residence.*<br><br>1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped value selected for Barrier to Internet Access in Res for the most recent record.<br>2. If null, do not report | O | Digital Equity | |

| | | | | | |
|---|---|---|---|---|---|
| 19 | InternetAccessTypeInResidenceDescriptor<br><br>*(string)* | *The primary type of internet service used in the student s primary place of residence.*<br><br>1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped value selected for Primary Internet Access Type in Res for the most recent record.<br>2. If null, do not report | O | Digital Equity | |
| 20 | InternetPerformanceInResidenceDescriptor<br><br>*(string)* | *An indication of whether the student can complete the full range of learning activities, including video streaming and assignment upload, without interruptions caused by poor internet performance in their primary place of residence.*<br><br>1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped value selected for Internet Performance for the most recent record.<br>2. If null, do not report | O | Digital Equity | |
| 21 | PrimaryLearningDeviceAwayFromSchoolDescriptor<br><br>*(string)* | *The type of device the student uses most often to complete learning activities away from school.*<br><br>1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped value selected for Primary Device Away from School for the most recent record.<br>2. If null, do not report | O | Digital Equity | |

**Transforming K12 Education®**

| 22 | PrimaryLearningDeviceProviderDescriptor<br><br>*(string)* | *The provider of the primary learning device.*<br><br>1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped value selected for Primary Device Provider for the most recent record.<br>2. If null, do not report | O | Digital Equity | | |
|---|---|---|---|---|---|---|
| 23 | PrimaryLearningDeviceAccessDescriptor<br><br>*(string)* | *An indication of whether the primary learning device is shared or not shared with another individual.*<br><br>1. If a Digital Equity record exists for the student that falls within the 23-24 config year or later, report the mapped value selected for Primary Device Access for the most recent record.<br>2. If null, do not report | O | Digital Equity | | |
| 24 | loginId | The login ID for the user; used for security access control interface.<br><br>1. Reports the app username | O | N/A | N/A | |
| 25 | programParticipations | 1. This is optional, does not report | O | N/A | N/A | |
| 26 | profileThumbnail | 1. This is optional, does not report | O | N/A | N/A | |
| 27 | oldEthnicityDescriptor | 1. This is optional, does not report | O | N/A | N/A | |

**Transforming K12 Education®**

| 28 | | 1. This is optional, does not report | O | N/A | N/A | |
|----|----|----|----|----|----|----|
| 29 | internationalAddresses | 1. This is optional, does not report | O | N/A | N/A | |
| 30 | cohortYears | 1. This is optional, does not report | O | N/A | N/A | |

## Arrays

### Addresses

| | Data Element Label | Business Rule(s) | Mandatory/ Conditional/ Optional | Tool Path | Database Field | Uses Core Template Rules (Y/N/EXT) |
|----|----|----|----|----|----|----|
| 1 | **addressTypeDescriptor** (string) | *The type of address listed for an individual or organization. For example: Physical Address, Mailing Address, Home Address, etc.)* <br><br> 1. Physical Address - Reports 'Physical' <br> 2. Mailing Address - Reports 'Mailing' | M | N/A | N/A | Y |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | **stateAbbreviationDescriptor** *(string)* | *The abbreviation for the state (within the United States) or outlying area in which an address is located*<br><br>1. Reports the State for the address being reported | M | Address | address.state | Y |
| 3 | apartmentRoomSuiteNumber *(string)* | *The apartment, room, or suite number of an address*<br><br>1. Reports the value entered in Apt field if populated | O | Address | address.apt | Y |
| 4 | **city** *(string)* | *The name of the city in which an address is located*<br><br>1. Reports the City for the address being reported | M | Address | address.city | Y |
| 5 | **postalCode** *(string)* | *The five or nine digit zip code portion of an address*<br><br>1. Reports the Zip Code for the address being reported | M | Address | address.zip | Y |
| 6 | **streetNumberName** *(string)* | *The street number and street name or post office box number of an address*<br><br>1. Reports Address PO Box + Number + Street + Tag + Prefix + Dir | M | Address | address. postOfficeBox<br><br>address. number<br><br>address. street<br><br>address.tag<br><br>address. prefix<br><br>address.dir | Y |

**Transforming K12 Education®**

| | | | | | | |
|---|---|---|---|---|---|---|
| 7 | periods | 1. This is optional, do not report | O | N/A | N/A | Y |
| 8 | nameOfCounty | 1. This is optional, do not report | O | N/A | N/A | Y |
| 9 | longitude | 1. This is optional, do not report | O | N/A | N/A | Y |
| 10 | latitude | 1. This is optional, do not report | O | N/A | N/A | Y |
| 11 | doNotPublishIndicator | 1. This is optional, do not report | O | N/A | N/A | Y |
| 12 | countyFIPSCode | 1. This is optional, do not report | O | N/A | N/A | Y |
| 13 | buildingSiteNumber | 1. This is optional, do not report | O | N/A | N/A | Y |

## Electronic Mails

| Data Element Label | Business Rule(s) | Mandatory/ Conditional/ Optional | Tool Path | Database Field | Uses Core Template Rules (Y/N/EXT) |
|---|---|---|---|---|---|
| | | | | | |

| | Data Element Label | Business Rule(s) | Mandatory/ Conditional/ Optional | Tool Path | Database Field | Uses Core Template Rules (Y/N/EXT) |
|---|---|---|---|---|---|---|
| 1 | **electronicMailTypeDescriptor** <br><br> *(string)* | *The type of email listed for an individual or organization. For example: Home/Personal, Work, etc.)* <br><br> 1. The Primary Email address will report as "Home /Personal" <br> 2. Do not report Secondary Email for students. | M | Demographics | contact. email | Y |
| 2 | **electronicMailAddress** <br><br> *(string)* | *An indication that the electronic mail address should be used as the principal electronic mail address for an individual or organization.* <br><br> 1. Reports the email address entered for that person | M | Demographics | contact. email | Y |
| 3 | primaryEmailAddressIndicator | 1. This is optional, do not report | O | N/A | N/A | Y |
| 4 | doNotPublishIndicator | 1. This is optional, do not report | O | N/A | N/A | Y |

## Languages

| Data Element Label | Business Rule(s) | Mandatory/ Conditional/ Optional | Tool Path | Database Field | Uses Core Template Rules (Y/N/EXT) |
|---|---|---|---|---|---|
| | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | **languageDescriptor**<br><br>*(string)* | *The language(s) the individual uses to communicate. It is strongly recommended that entries use only ISO 639-3 language codes.*<br><br>1. Report the Language from the Native Language saved on the student's current identity record.<br>   a. Look for a mapping saved to the Language Descriptor Override section in preferences. If there is a mapped value, report that mapping.<br>   b. If an override is not there, look to see if the language Code matches an Ed-Fi code, if yes report that value<br>   c. Report default value if saved on the Attribute and the code matches an Ed-Fi code<br>2. Else, report NULL | M | Demographics | identity.<br>languageAlt | Y |
| 2 | uses /<br>languageUseDescriptor<br><br>*(array / string)* | *A description of how the language is used (e.g. Home Language, Native Language, Spoken Language).*<br><br>1. If the array is being reported, report "Native language" | M | Demographics | | Y |

**Transforming K12 Education®**

## Races

| | Data Element Label | Business Rule(s) | Mandatory/ Conditional/ Optional | Tool Path | Database Field | Uses Core Template Rules (Y/N/EXT) |
|---|---|---|---|---|---|---|
| 1 | **raceDescriptor** | *The general racial category which most clearly reflects the individual's recognition of his or her community or with which the individual most identifies.* <br><br> 1. Determine the Race/Ethnicity(s) that are checked on the student's current identity record. <br>   a. Use the Identity Race Ethnicity table to determine all of the check boxes checked for the students current identity id. <br> 2. Report the Ed-Fi Code mapped to the corresponding Race Ethnicity <br>   a. Report all races if the student has more than 1 selected <br> 3. Do not report if the person does not have a Race /Ethnicity checked or there is not a corresponding mapping | M | Demographics | identityRaceEthnicity <br><br> racethnicity.raceid | Y |

## Student Identification Codes

| Data Element Label | Business Rule(s) | Mandatory/ Conditional/ Optional | Tool Path | Database Field | Uses Core Template Rules (Y/N/EXT) |
|---|---|---|---|---|---|
| | | | | | |

| 1 | **studentIdentificationSystemDescriptor**<br><br>*(string)* | *A coding scheme that is used for identification and record-keeping purposes by schools, social services, or other agencies to refer to a student*<br><br>1. Report 'L' for the Local Student Number<br>2. Report 'SIS' for the SIS Internal ID (personID) | M | Demographics | person.studentNumber<br><br>person.personID | N |
|---|---|---|---|---|---|---|
| 2 | identificationCode<br><br>*(string)* | *A unique number or alphanumeric code assigned to a student by a school, school system, a state, or other agency or entity*<br><br>1. Report the Local Student Number for 'Local'<br>2. Report the personID for 'SIS Internal' | M | Demographics | person.studentNumber<br><br>person.personID | N |
| 3 | assigningOrganizationIdentificationCode<br><br>*(string)* | *The organization code or name assigning the assessment identification code*<br><br>1. Report 'Local' for the Local Student Number<br>2. Report 'SIS Internal' for the personID | M | | | N |