

# AZ Ed-Fi Suite v7.3, Data Standard v6.0: Student Homeless Program Associations (SY 26-27)

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## Summary

This association represents the McKinney-Vento Homeless Program program(s) that a student participates in or from which the student receives services.

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## Object Triggering Logic

*Homeless Programs* are set-up by the district/school and assigned to students in **Homeless**.

Action	Business Rule(s)
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POST

Report a record when a student has a Homeless record that overlaps an enrollment in the current configured year.

- A record is only reported for Homeless records and 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:
  - Enrollment State Exclude
  - Enrollment No Show
  - Enrollment Grade Exclude from State Reporting
  - Calendar Exclude
  - School Exclude
- If there are multiple enrollments, use the following priority list to determine which one should report:
  - Local Service Type of Primary
    - Primary local service types will always report if they are different Start Dates
    - If the same Start Date, the earliest Enrollment ID will be used.

- Local Service Type other than Primary
  - These will only be used if they are the only enrollment in a given timeframe. This means that the Enrollment does not overlap with any other Enrollment from the same school or any other school.
  - The priority order for these Local Service Types are:
    - T: AOI
    - A: Ancillary
    - O: Program Only

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 the following information on a Homeless record is changed:
  - Homeless Program ID (New Homeless record)
  - Start Date
  - End Date
  - Primary Night Time Residence
  - Unaccompanied Youth
- When the following information on an Enrollment is changed:
  - Enrollment ID (New Enrollment)
  - Start Date
  - End Date
  - No Show
  - State Exclude
- Changes to Resource Preferences mappings **do NOT trigger**. A manual resync must be performed on the resource if mappings are changed.

## DELETE

- When the enrollment being reported off of is deleted.
- When the enrollment is changed to no longer overlap the configured year.
- When the student is excluded through their enrollment, calendar, grade level, or school.
- When the Homeless record being reported off of is deleted.
- When the Homeless record is changed to no longer overlap the enrollment in the current configured year.
- When a record is in the Ed-Fi Identity Mapping Report but cannot be found on the Campus site.

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## Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Students
  - Student School Associations
  - Programs (Pre-populated)
  - Local Education Agencies (Pre-populated)
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## 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
400: Validation of ' <b>RESOURCE</b> ' failed. <b>FIELD</b> is required.	<p>An element of the JSON that is required is missing and needs to be added.</p> <ul style="list-style-type: none"> <li>• Double check that all bolded data elements below are reporting a valid value and no data elements below are reporting an invalid value.</li> </ul>

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.

## 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.

	Data Element Label	Business Rule(s)	Data Source GUI Path	Database Field
1	<b>beginDate</b> (date)	<p><i>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</i></p> <hr/> <p>Reports the latest of the following values:</p> <ul style="list-style-type: none"> <li>• Homeless Start Date</li> <li>• Enrollment Start Date</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• If there are enrollments with an end status of ZZZ and a subsequent enrollment with a start status of ZZZ, combine the enrollments and report the earliest start date (where the start status is NOT ZZZ) for the enrollment start date             <ul style="list-style-type: none"> <li>◦ Note, the enrollments must be in the same school, grade, and local service type. Also, the enrollment start date must be the next instructional day after the ZZZ end status or be before or equal to the ZZZ end status</li> </ul> </li> </ul>	Homeless Enrollment	Homeless.start Date  Enrollment.start Date

2	<b>educationOrganizationReference</b> (reference)	<p>A reference to the Local Education Agencies resource associated with the Student Homeless Program Association being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> <li>• educationOrganizationId = <b>School Entity ID</b></li> </ul>	School Information	School.entityID
3	<b>programReference</b> (reference)	<p>A reference to the Programs resource associated with the Student Homeless Program Association being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Programs resource.</p> <ul style="list-style-type: none"> <li>• educationOrganizationId = <b>School Override District Entity ID</b> <ul style="list-style-type: none"> <li>◦ If NULL, uses the <b>District Entity ID</b></li> </ul> </li> <li>• programName = <b>Homeless</b> (Hard-Coded).</li> <li>• programTypeDescriptor = <b>McKinney-Vento Act</b> (Hard-Coded).</li> </ul>	N/A	N/A
4	<b>studentReference</b> (reference)	<p>A reference to the Students resource associated with the Student Homeless Program Association being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Students resource.</p>	N/A	N/A

5	<p>endDate (date)</p>	<p><i>The month, day, and year on which the student exited the program or stopped receiving services.</i></p> <hr/> <p>Reports the earliest of the following dates:</p> <ul style="list-style-type: none"> <li>• Homeless End Date</li> <li>• Enrollment End Date</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• If there are enrollments with an end status of ZZZ and a subsequent enrollment with a start status of ZZZ, combine the enrollments and report the earliest start date (where the start status is NOT ZZZ) for the enrollment start date             <ul style="list-style-type: none"> <li>◦ Note, the enrollments must be in the same school, grade, and local service type. Also, the enrollment start date must be the next instructional day after the ZZZ end status or be before or equal to the ZZZ end status</li> </ul> </li> </ul>	<p>Homeless Enrollment</p>	<p>Homeless.end Date Enrollment.end Date</p>
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6	homelessPrimaryNightTimeResidenceDescriptor (string)	<p><i>The primary nighttime residence of the student at the time the student is identified as homeless.</i></p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for <b>Primary Night Time Residence</b>.</p>	Homeless	Homeless.primaryNightTimeResidence
7	homelessUnaccompaniedYouth (boolean)	<p><i>A homeless unaccompanied youth is a youth who is not in the physical custody of a parent or guardian and who fits the McKinney-Vento definition of homeless. Students must be both unaccompanied and homeless to be included as an unaccompanied homeless youth.</i></p> <hr/> <ul style="list-style-type: none"> <li>• Reports <b>True</b> if the Unaccompanied Youth is Yes: Yes.</li> <li>• Reports <b>False</b> in all other situations.</li> </ul>	Homeless	Homeless.unaccompaniedYouth
8	awaitingFosterCare	This is optional, do not report.	N/A	N/A
9	homelessProgramServices	This is optional, do not report.	N/A	N/A
10	participationStatus	This is optional, do not report.	N/A	N/A
11	programParticipationStatuses	This is optional, do not report.	N/A	N/A



1 2	reasonExitedDescriptor	This is optional, do not report.	N/A	N/A
1 3	servedOutsideOfRegularSession	This is optional, do not report.	N/A	N/A

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## Appendix