

Ed-Fi Data v3.X - Cohorts

Last Modified on 10/22/2022 9:59 am CDT

Classic View: [System Administration > Ed-Fi](#)

Search Terms: Ed-Fi

This entity represents any type of list of designated students for tracking, analysis, or intervention.

Object Triggering Logic

This table describes logic for triggering syncing of this object.

| Action | Trigger |
|--------|--|
| Post | When a Program is added and is mapped to a Cohort Type Descriptor. <ul style="list-style-type: none"> The Program can only be created from Program Admin> Programs> Programs tab. |
| Put | If the Category or Description changes. |
| Delete | If the Program is Deleted. |

School Exclude, Calendar Exclude, Resource Toggle and Resync Logic

This table describes the School Exclude, Calendar Exclude, Resource Toggle and Resync logic of this object.

| Action | Trigger |
|--------|--|
| None | If a resource is toggled to 'OFF' after data has sent, all sent data will remain in the ODS but no new data will send. |
| Delete | If a resource is toggled to 'OFF' after data has sent and an action is performed that would trigger a delete, that data will remain in the ODS until a resync is done. |
| Resync | If a Calendar Event record is in the Ed-Fi Identity Mapping table and not in the ODS, it will be deleted from the Ed-Fi Identity Mapping table. |
| Resync | If a Calendar Event record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it will be deleted from the ODS. |
| Resync | If a mapping is changed in Resource Preferences, a resync will need to be done to reflect the changes. |

Natural Key Changes, Cascading Updates, and Deletes Logic

This table describes the Natural Key Changes/Cascading Updates and Deletes logic of this object.

| Action | Trigger |
|-------------|---|
| Post/Delete | Natural Key change: N/A - program ID cannot change. |
| Delete | The following resources will be deleted/reposted: <ul style="list-style-type: none"> Student Cohort Associations & Staff Cohort Associations If a mapping to the Ed-Fi Cohort Type Descriptor is removed or changed, a resync must be completed on 'All Schools' to delete/repost Student & Staff Cohort Associations. If only 1 school is selected, only Student & Staff Cohort Association records associated with that school will be updated and the Cohort will remain until a resync on 'All Schools' for Cohorts is completed. |

Scope Year Logic

This table describes scope year logic of this object.

| Logic |
|---|
| <p>The record will send to the scope year for the school year the program record is associated with.</p> <ul style="list-style-type: none"> Data will only send for years that have valid configuration. |

Resource Preferences

This table describes the Resource Preferences of this object.

| Data Element Label | Mapping Needed |
|--------------------|-----------------------|
| Program Category | cohortScopeDescriptor |
| Programs | cohortTypeDescriptor |

Identity Mapping Object Key

This table describes the Identity Mapping Object Key of this object.

| campusObjectType | Object Key Data Source |
|------------------|------------------------|
| Program | programID |

Event Queue Detail

This table describes the Event Queue Detail of this object.

| Campus Table | Ed-Fi Action | Fields |
|--------------|--------------|--|
| programs | Post | The primary table used for sending data for this resource. |

Object Data Elements

Data Element Labels in bold are part of the Natural Key and are required data elements for Data to send to Ed-Fi.

| Data Element Label | Business Requirement | Business Rules | M, C or O | Data Source GUI Path | Databases |
|-------------------------|--|------------------------|-----------|---|-----------------------|
| id | The unique identifier of the resource. | | M | | |
| cohortIdentifier | The name or ID for the cohort. | Report the Program ID. | M | Program Admin> Programs> Program> ProgramID | program. programID |

| Data Element Label | Business Requirement | Business Rules | M, C or O | Data Source GUI Path | Databases |
|--------------------------------|---|--|-----------|--|-------------------|
| educationOrganizationReference | A reference to the related Education Organization resource. | Report the value in (System Admin>Resources>District Information>District Detail>State District Number). | M | System Administration>Resources>District Information>State District Number | district.nu |
| academicSubjectDescriptor | The subject for an academic intervention (e.g., science, mathematics). | This field is optional, does not report. | O | | |
| cohortDescription | The description of the cohort and its purpose. | <ol style="list-style-type: none"> 1. Report text in the Description field. 2. If NULL, do not report. | O | Program Admin>Programs>Programs>Description | program.0 |
| cohortScopeDescriptor | The scope of cohort (e.g., campus, district, classroom). | <ol style="list-style-type: none"> 1. Report the mapped Ed-Fi Code from Resource Preferences. 2. If a Category is not selected on the cohort or the Ed-Fi Code is NULL, do not report. | O | Program Admin>Programs>Programs>Category | program. Category |
| cohortTypeDescriptor | The type of the cohort (academic intervention, attendance intervention, discipline intervention, breakout session, etc.). | <ol style="list-style-type: none"> 1. Report the mapped Ed-Fi Code from Resource Preferences 2. If the Ed-Fi Code is NULL, do not report. | M | | |
| programs | An unordered collection of cohortPrograms. The optional program associated with this cohort (e.g., Special Education). | This field is optional, does not report.. | O | | |
| etag | | | O | | |

Type/Descriptor

▶ [Click here to expand...](#)