

# Michigan Ed-Fi Data v3.1 - Student Section Attendance Event

Last Modified on 12/14/2025 8:45 pm CST

This event entity represents the recording of whether a student is in attendance for a class.

## Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	<p>When a new attendance event is verified for a student on the course section and the Attendance Status + Attendance Excuse combination is mapped to an Ed-Fi code.</p> <p>OR</p> <p>When a student has a Positive Attendance record for the section and 'Positive Attendance' is mapped to an Ed-Fi code.</p> <ul style="list-style-type: none"> <li>The student must have a Student Section Association record to report.</li> <li>Unknown attendance events will not send an event to ed-fi. The original post will not trigger until an excuseID is entered in the attendance table.</li> <li>Do not send records if attendance records are associated with a Calendar when the Exclude checkbox is checked.</li> <li>Do not send if the Course is marked as State Exclude.</li> <li>A record will send for each distinct Date, Section and Attendance Event Category Descriptor.</li> <li>Do not send records if attendance records are associated with a School when the Exclude checkbox is checked.</li> </ul>
Delete/Post	<p>If any part of the natural key is changed: Section Reference, Student Reference, Event Date, Attendance Event Category Descriptor.</p> <ul style="list-style-type: none"> <li>If an attendance status is changed, the first event must be deleted from ed-fi and a new record sent. The Attendance Event Category Descriptor is a primary key and does not allow updates in Ed-Fi.</li> </ul>
Delete	Delete if all the attendance records with the same Date & Descriptor are deleted.
Delete	When an enrollment is deleted.
Delete	If the student is removed from the course section.
Put	If the comments are updated.

## 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.
Resync	If a 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.

Action	Trigger
Resync	If a 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	If any part of the Natural Key Changes <ul style="list-style-type: none"> <li>If the Section natural key changes, a delete/post will occur with the cascading deletes from the Section Change triggers.</li> <li>If an Ed-Fi ID changes, this will happen with the cascading deletes from the Ed-Fi ID Change trigger.</li> <li>If the Attendance Status, Excuse or Date changes a delete/post will occur.</li> </ul>
Post/Delete	Cascading Updates: N/A, there are no dependent resources

## Scope Year Logic

This table describes scope year logic of this object.

Logic
Attendance will send to the scope year for the school year the attendance dates are associated with based on the student's enrollment. <ul style="list-style-type: none"> <li>Data will only send for the years that have valid configuration.</li> </ul>

## Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Attendance Status and Excuse	Attendance Event Category Descriptors

## Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
attendance	Post/Put/Delete	The primary table used for sending data for this resource.

## Object Data Elements

This table describes data elements sent within the Student School Attendance Event resource.

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
id	The unique identifier of the resource.		M		
<b>attendanceEventCategoryDescriptor</b>	Key for AttendanceEventCategoryType.	<ol style="list-style-type: none"> <li>Reports when a student has a verified attendance status/excuse combination that is mapped to an Ed-Fi code.</li> <li>Reports when a student is given a positive attendance record for the course section and it is mapped to an Ed-Fi Code.</li> </ol>	M		
<b>eventDate</b>	Date for this attendance event.	Enter the date for the attendance record being reported .	M	Student Information > General > Attendance	attendance.date
<b>sectionReference</b>	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the Section resource.	M		
<b>studentReference</b>	A reference to the related Student resource.	Reports the fields that are part of the Natural Key for the Student resource.	M		
attendanceEventReason	The reported reason for a student's absence.	1. Report the first 40 characters from the Comments entered in the Attendance being reported for that day.	O	Student Information > General > Attendance	attendance.comments

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
		<p>If more than 40 characters exist, add .... to indicate additional text not shown.</p> <ul style="list-style-type: none"> <li>◦ If there is more than 1 comment entered for that day and they have the same status/excuse code, report the comment from the last period that contains a comment.</li> <li>◦ If blank, do not report.</li> </ul> <p>2. For negative attendance with multiple comments:</p> <ul style="list-style-type: none"> <li>◦ If there is more than 1 comment entered for that day and the records have different status/excuse codes, report the comment from each record.</li> <li>◦ If there is more than 1 comment entered for that day and the records have the same status/excuse codes, report the comment from the highest periodID.</li> </ul> <p>3. For positive attendance with</p>			

Data Element Label	Business Requirement	<b>Business Rules</b> <small>multiple comments:</small> <ul style="list-style-type: none"> <li>◦ If there is more than 1 comment</li> </ul>	M, C or O	Data Source GUI Path	Database Field
		entered for that day, report the comment from the attendance record with the latest start time.			
educationalEnvironmentDescriptor	Key for EducationalEnvironment.	Do not report, this is optional.	O		
etag	A unique system-generated value that identifies the version of the resource.	Do not report, this is optional.	O		

## Type/Descriptor

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### Attendance Event Category Descriptor

Code Value	Description	Namespace	Short Description
Early departure	Early departure	uri://ed-fi.org/AttendanceEventCategoryDescriptor	Early departure
Excused Absence	Excused Absence	uri://ed-fi.org/AttendanceEventCategoryDescriptor	Excused Absence
In Attendance	In Attendance	uri://ed-fi.org/AttendanceEventCategoryDescriptor	In Attendance
Partial	Partial	uri://ed-fi.org/AttendanceEventCategoryDescriptor	Partial
Tardy	Tardy	uri://ed-fi.org/AttendanceEventCategoryDescriptor	Tardy
Unexcused Absence	Unexcused Absence	uri://ed-fi.org/AttendanceEventCategoryDescriptor	Unexcused Absence