Wisconsin DPI

WISEdata Ed-Fi Integration

What's New for the 2023-24 SY

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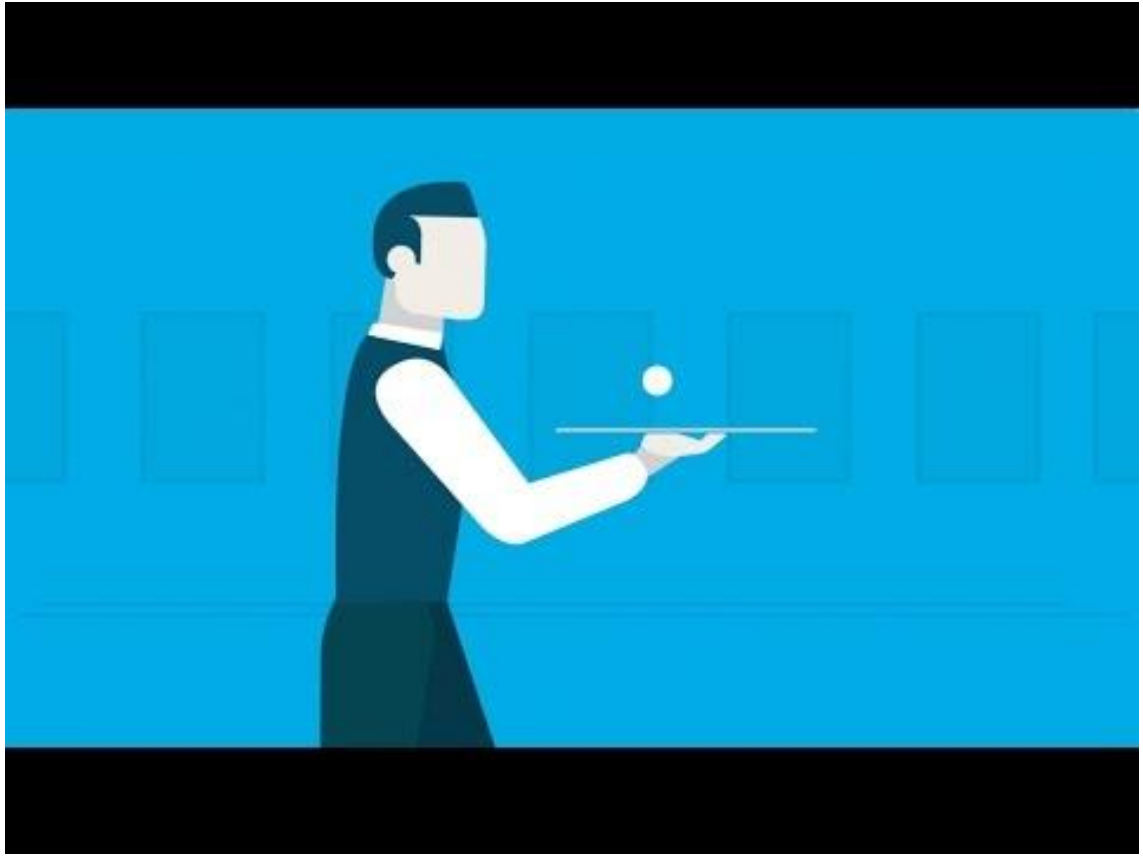
Agenda

- What's an API?
- What's WISEdata Ed-Fi API?
- What's New in WISEdata Portal for the 2023-24 SY?
- What's Next in WISEdata Portal for the 2024-25 SY?
- What ideas or feedback do you have for the WISEdata team?

What’s an API?

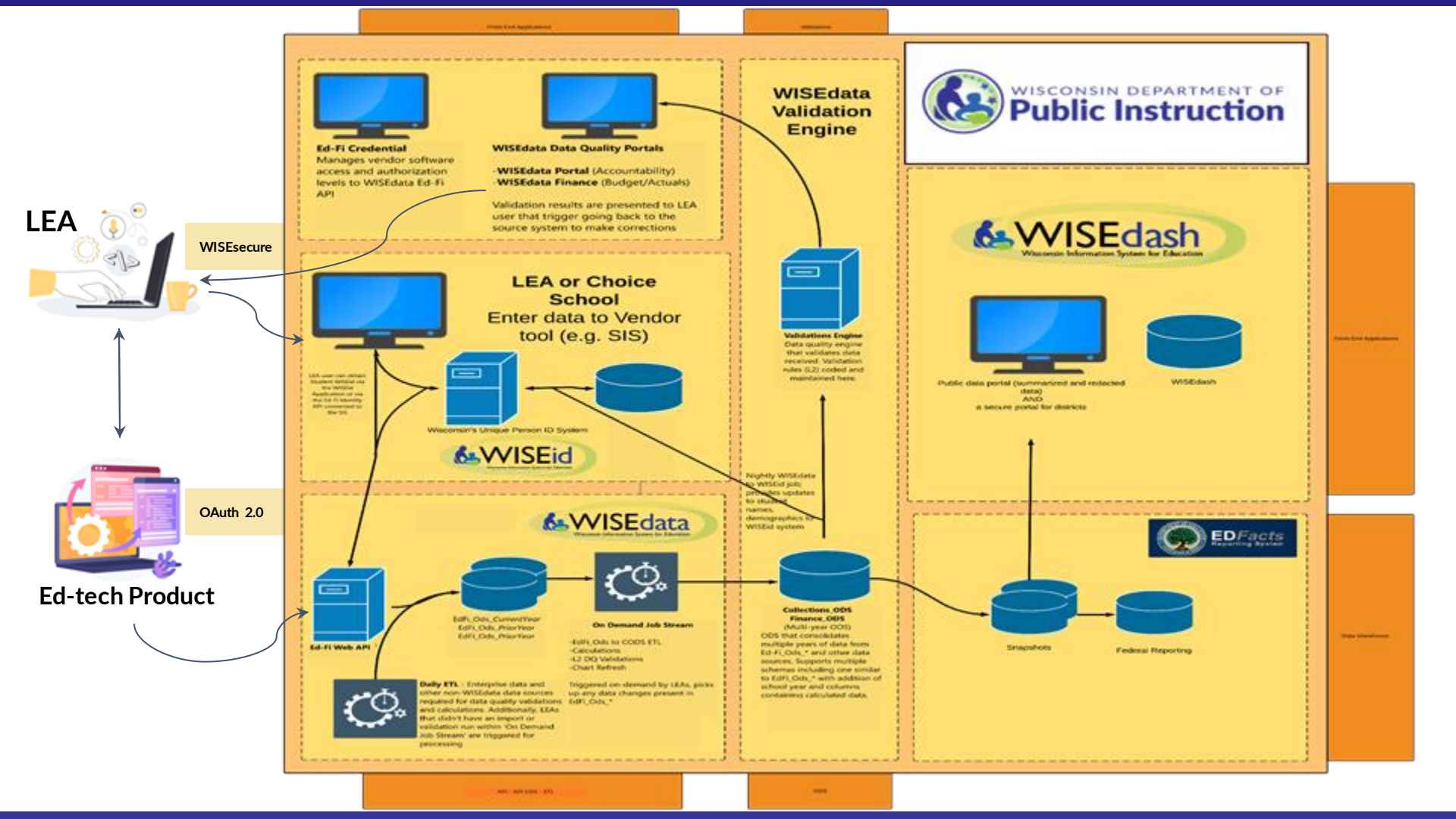


What's an API?

LEA

WISEdata Ed-Fi API

WISEdata Portal,
WISEdata Finance Portal,
WISEdash for Districts,
etc.


LEA
WISEsecure
OAuth 2.0
Ed-tech Product
Ed-Fi Credential
Manages vendor software access and authorization levels to WISEdata Ed-Fi API
WISEdata Data Quality Portals
-WISEdata Portal (Accountability)
-WISEdata Finance (Budget/Actuals)
Validation results are presented to LEA user that trigger going back to the source system to make corrections
WISEdata Validation Engine
WISCONSIN DEPARTMENT OF Public Instruction
WISEdash
Wisconsin Information System for Education
LEA or Choice School
Enter data to Vendor tool (e.g. SIS)
Validations Engine
Data quality engine that validates data received. Validation rules (L2) coded and maintained here.
Public data portal (summarized and redacted data)
AND
a secure portal for districts
WISEdash
Wisconsin's Unique Person ID System
WISEid
WISEdata
Nightly WISEdata to WISEid job: provides updates to student names, demographics to WISEid system
Ed-Fi Web API
EdFi_Ods_CurrentYear
EdFi_Ods_PriorYear
EdFi_Ods_PriorYear
On Demand Job Stream
-EdFi_Ods to CODS ETL
-Calculations
-L2 DQ Validations
-Chart Refresh
Triggered on-demand by LEAs, picks up any data changes present in EdFi_Ods_*
Daily ETL - Enterprise data and other non-WISEdata data sources required for data quality validations and calculations. Additionally, LEAs that didn't have an import or validation run within 'On Demand Job Stream' are triggered for processing
Collections_ODS
Finance_ODS
(Multi-year ODS)
ODS that consolidates multiple years of data from Ed-Fi_Ods_* and other data sources. Supports multiple schemas including one similar to EdFi_Ods_* with addition of school year and columns containing calculated data.
EDFacts
Snapshots
Federal Reporting

What's WISEdata Ed-Fi API?

- WISEdata leverages the Ed-Fi API platform, which is an open-source technology that enables data transmission between the Local Education Agencies' (LEA's*) software product and the WI Department of Public Instruction (DPI).
- WISEdata Ed-Fi API is a multi-vendor data collection system. Any educational technology can integrate with WISEdata Ed-Fi API.
- Some of the benefits of using WISEdata Ed-Fi API:
  - Boosting data interoperability
  - Standardizing data collections
  - Serving data in different formats
  - Not managing messy files
  - Providing a secure approach to data sharing

**LEA includes school districts, charter schools, and private schools participating in a parental Choice program.*

What is WISEdata Ed-Fi API?

➔ WISEdata Ed-Fi API is composed of several user interfaces and services aimed at streamlining the process of collecting required data from LEAs.

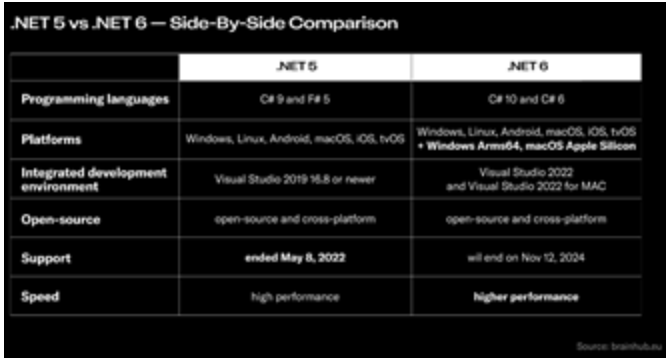
Here are some of the WISEdata user interfaces and services:

- WISEdata Portal
- WISEadmin Portal
- WISEdata Finance Portal
- The Student Identity Integration
- The Immunization Registry Integration
- The Validation API

What's New in WISEdata Portal (2023-24 SY)?

Technical Upgrades

- Upgraded WISE Apps from .NET Framework to .NET 6 (Core)
- Upgrading API to v6.x and Ed-Fi Data Standard to v4.x



.NET 5 vs .NET 6 — Side-By-Side Comparison

	.NET 5	.NET 6
Programming languages	C# 9 and F# 5	C# 10 and C# 6
Platforms	Windows, Linux, Android, macOS, iOS, tvOS	Windows, Linux, Android, macOS, iOS, tvOS **+ Windows Arms64, macOS Apple Silicon**
Integrated development environment	Visual Studio 2019 16.8 or newer	Visual Studio 2022 and Visual Studio 2022 for MAC
Open-source	open-source and cross-platform	open-source and cross-platform
Support	**ended May 8, 2022**	will end on Nov 12, 2024
Speed	high performance	**higher performance**

Source: brainhub.eu

Ed-Fi ODS / API for Suite 3 v6.1 (Latest)

Born from the practical needs of our community, the Ed-Fi ODS / API gives you a simple, cost-effective way of connecting and maintaining systems, helping you turn data from something you have into something you can use.

Documentation

Documentation for the Ed-Fi ODS / API v6.1 for Suite 3 is viewable online:

- What's New
- Getting Started
- Platform Developers' Guide
- API Client Developers' Guide
- How-To Guides
- Technical Articles
- Swagger API Sandbox

Resources

Here are some resource highlights for the ODS / API v6.1:

- How To: Extend the ODS / API v6.1 (Basic)
- How To: Extend the ODS / API v6.1 (Advanced)
- How To: Add a Composite
- How To: Add Profiles
- How To: Create a Client SDK

Digital Equity Changes

Digital Equity Changes

All LEAs

Vendor: Required

LEAs: Optional

➔ The digital equity data collection moved out of the generic student indicator model and collect the data as standard elements:

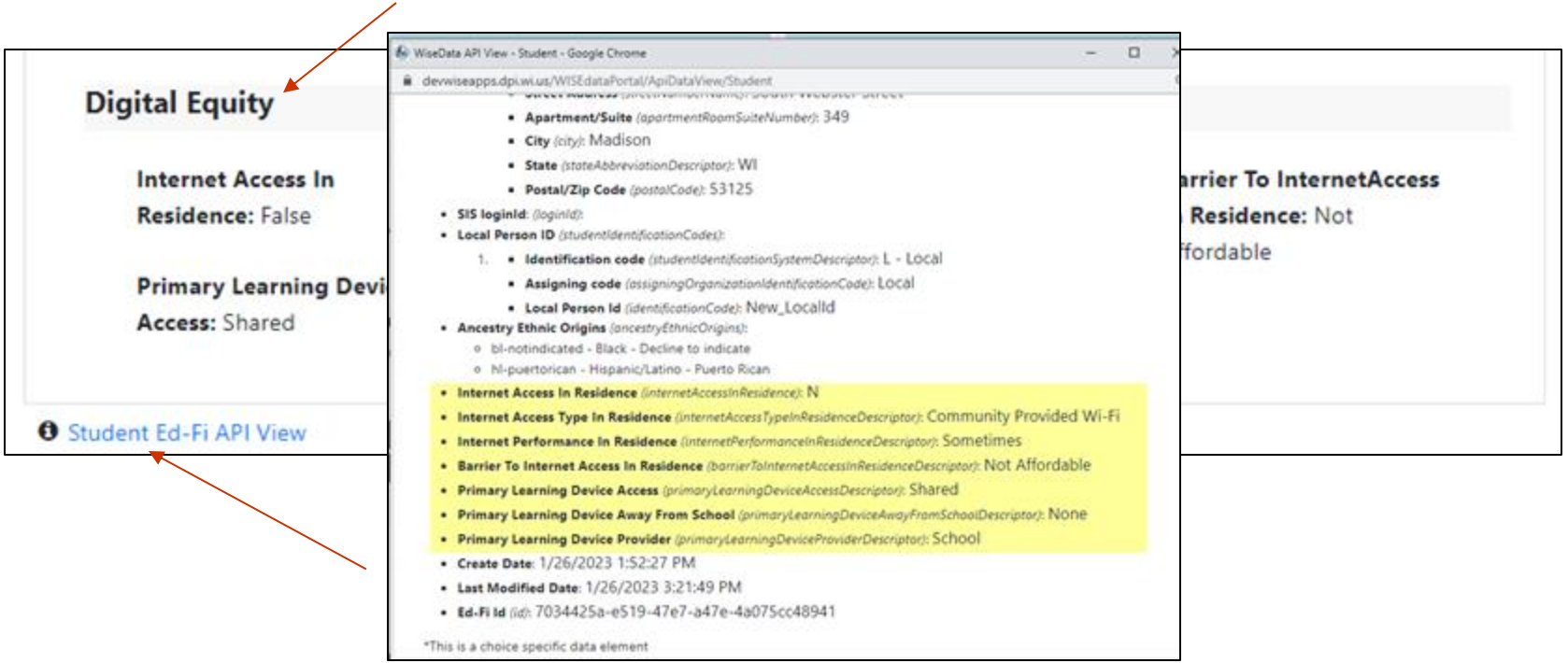
- Internet Access in Residence
- Barrier to Internet Access in Residence
- Internet Access Type in Residence
- Internet Performance in Residence
- Primary Learning Device Away from School
- Primary Learning Device Provider
- Primary Learning Device Access

➔ Validation messages and dashboards will be updated for the 23-24 SY.

➔ For more details, see this September 28, 2022 KBA

Digital Equity Changes

Screen path: Student Details -> Demographics - School Level panel -> Digital Equity



Pupil Count for Membership

Pupil Count for Membership

Public LEAs

Vendor: Required

LEAs: Parallel Reporting

➔ Data flows to new Pupil Count Module in the Wisconsin School Finance Portal (WiSFiP).

➔ Changes to the Residency Information **(SSA and SOEA)**:

- Resident LEA ID
- Residency Status
- Begin Date
- End Date

  ■ This is to reflect mid-year changes on the Residency Status.

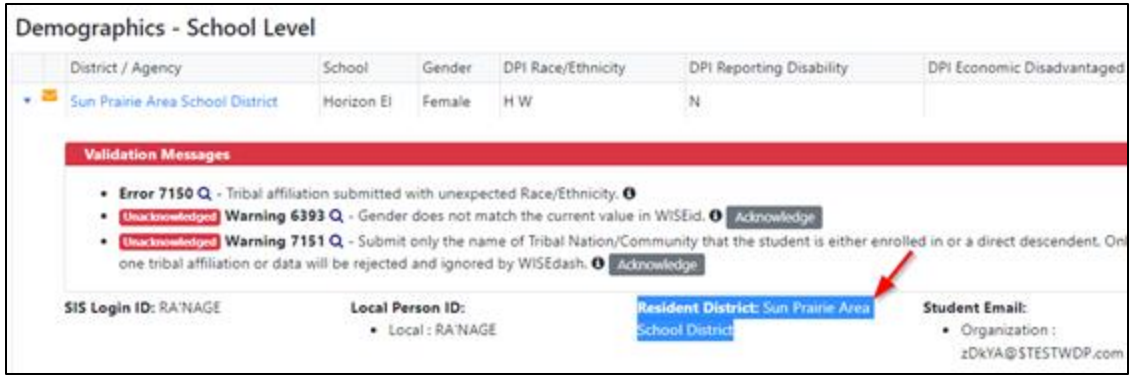
➔ The pilot project will be extended into the 23/24 SY.

Pupil Count for Membership

StudentEducationOrganizationAssociation (SEOA) Changes, aka Demographics Record

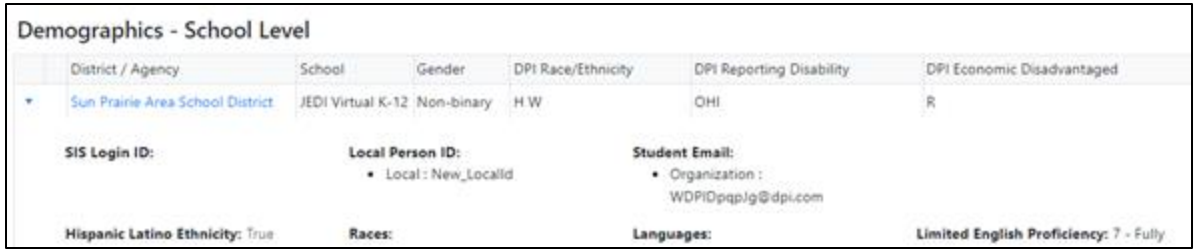
➔ 2022-23 and prior

Resident District is under the Student Demographics



➔ 2023-24 and after

Resident District is no longer under the Student Demographics



Pupil Count for Membership

StudentSchoolAssociation (SSA) Changes, aka Enrollment Record

➔ Starting the 2023-24 SY, the Resident District is collected under the Student Enrollment record.

Screen path: Student Details -> Enrollments -> Residency Status

Residency Status

Begin Date: 01/05/2024	**Residency Status:** NR-OE - Non Resident - Open enrolled	**Resident District:** Argyle School District **End Date:** 05/05/2024
Begin Date: 09/07/2023	**Residency Status:** NR-OE - Non Resident - Open enrolled	**Resident District:** Arrowhead UHS School District **End Date:** 01/05/2024

Pupil Count for Membership

Full Time Equivalency: 0.0000	**Residency Status:** NR-TW	**Part Time Instructional Minutes:** 0
TFSReceivingServices: P	**SFJ Receiving Services:** A	**FFM Receiving Services (For MPS Only):** N

WiseData API View - Enrollment - Google Chrome

devwiseapps.dpi.wi.us/WISEdataPortal/ApiDataView/Enrollment

Services

- **Part Time Instructional Minutes** *(WI_partTimeInstructionalMinutes)*: 0
- **Residency Periods** *(WI_residencyPeriods)*:
  1. **Begin Date** *(beginDate)*: 09/07/2023
     - **End Date** *(endDate)*: 01/05/2024
     - **Residency Status Descriptor** *(residencyStatusDescriptor)*: NR-OE - Non Resident - Open enrolled
     - **Resident LEA** *(residentLocalEducationAgency)*: 1323 - Arrowhead UHS School District
  2. **Begin Date** *(beginDate)*: 01/05/2024
     - **End Date** *(endDate)*: 05/05/2024
     - **Residency Status Descriptor** *(residencyStatusDescriptor)*: NR-OE - Non Resident - Open enrolled
     - **Resident LEA** *(residentLocalEducationAgency)*: 5957 - Argyle School District
- **Create Date**: 1/26/2023 1:06:06 PM
- **Last Modified Date**: 1/27/2023 3:28:03 PM
- **Ed-Fi Id** *(id)*: 26f6a857-323a-45d4-a8c2-da0ac406d5a4

*This is a choice specific data element

First Day of School and Last Day of School

All LEAs

Vendor: Required

LEAs: Required

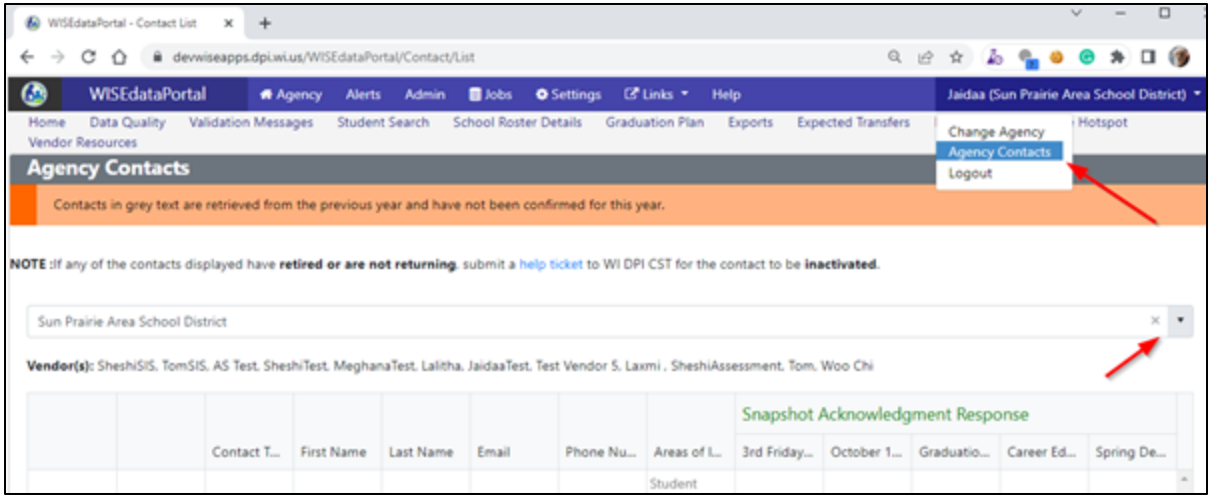
School-level First Day of School (FDS) and Last Day of School (LDS)

- ➔ FDS and LDS will be collected from the SIS and displayed in WISEdata Portal and the School Directory Application.
- ➔ FDS and LDS will be submitted through the /sessions resource.
  - Session Begin Date = FDS *(July, August, or September)*
  - Session End Date = LDS *(May or June)*
- ➔ LEAs can either send one annual /session record for each school with the FDS and LDS, or send /session records as part of Roster and DPI will derive the FDS and LDS.

First Day of School and Last Day of School

Screen path: Agency Contacts -> Select an LEA -> Navigate to Agencies

LEAs should send at least one /session record for each school at the beginning of the school year to derive the FDS and LDS.



Discipline Changes

Discipline Changes

Public LEAs

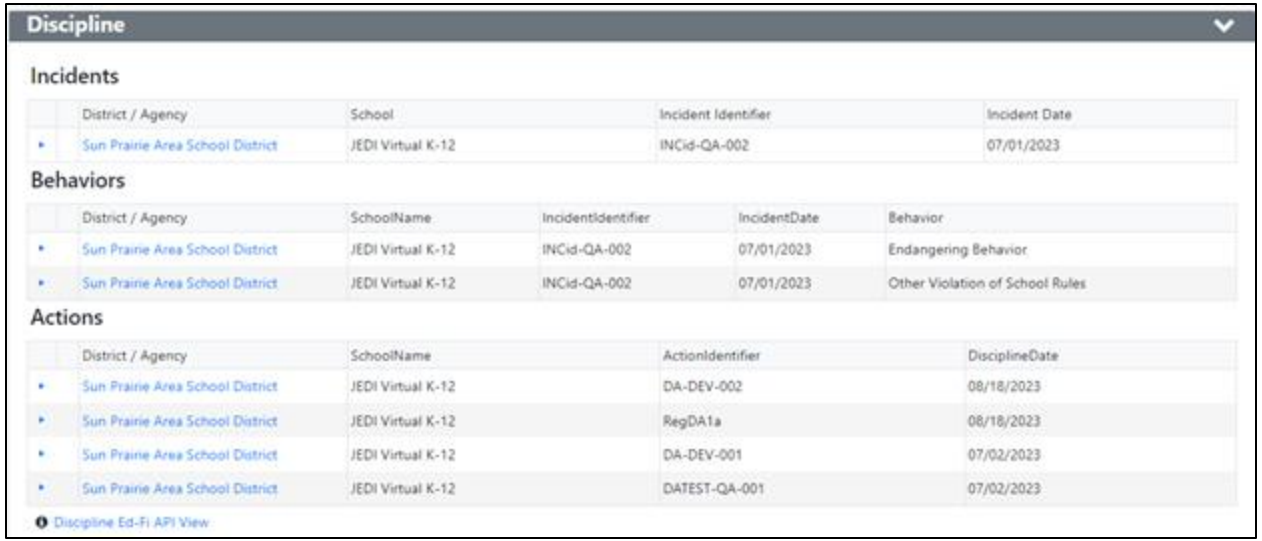
Vendor: Required

LEAs: Required

- ➔ The Ed-Fi Alliance deprecated the StudentDisciplineIncidentAssociation (SDIA) endpoint. This Therefore, we need shift to the /disciplineIncidentBehaviorAssociation (SDIBA) endpoint.
  - This change does not change the LEA's process, but vendors will need to modify their code to send data properly to WISEdata Portal.
  - The Discipline panel on the Student Details page is modified.
- ➔ The data type max length for both 'actualDisciplineActionLength' and 'disciplineActionLength' is increased to be 4 digits to the left and 2 to the right (xxxx.xx).

Discipline Changes

Screen path: Student Details -> Discipline



Discipline

Incidents

	District / Agency	School	Incident Identifier	Incident Date
•	Sun Prairie Area School District	JEDI Virtual K-12	INCid-QA-002	07/01/2023

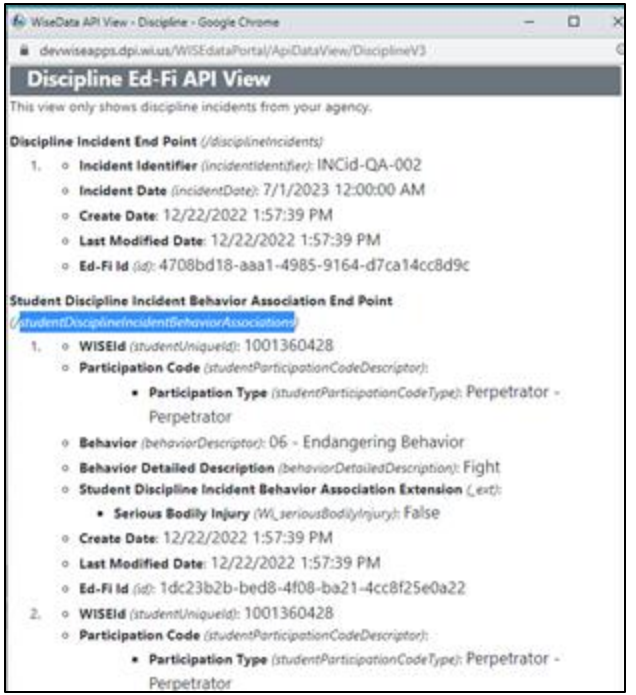
Behaviors

	District / Agency	SchoolName	IncidentIdentifier	IncidentDate	Behavior
•	Sun Prairie Area School District	JEDI Virtual K-12	INCid-QA-002	07/01/2023	Endangering Behavior
•	Sun Prairie Area School District	JEDI Virtual K-12	INCid-QA-002	07/01/2023	Other Violation of School Rules

Actions

	District / Agency	SchoolName	ActionIdentifier	DisciplineDate
•	Sun Prairie Area School District	JEDI Virtual K-12	DA-DEV-002	08/18/2023
•	Sun Prairie Area School District	JEDI Virtual K-12	RegDA1a	08/18/2023
•	Sun Prairie Area School District	JEDI Virtual K-12	DA-DEV-001	07/02/2023
•	Sun Prairie Area School District	JEDI Virtual K-12	DATEST-QA-001	07/02/2023

Discipline Ed-Fi API View



WiseData API View - Discipline - Google Chrome

devwiseapps.dpi.wi.us/WISEdataPortal/ApiDataView/DisciplineV3

Discipline Ed-Fi API View

This view only shows discipline incidents from your agency.

Discipline Incident End Point */disciplineIncidents*

1. **Incident Identifier** *(incidentIdentifier)*: INCid-QA-002
   - **Incident Date** *(incidentDate)*: 7/1/2023 12:00:00 AM
   - **Create Date**: 12/22/2022 1:57:39 PM
   - **Last Modified Date**: 12/22/2022 1:57:39 PM
   - **Ed-Fi Id** *(id)*: 4708bd18-aaa1-4985-9164-d7ca14cc8d9c

Student Discipline Incident Behavior Association End Point
/studentDisciplineIncidentBehaviorAssociations

1. **WISEId** *(studentUniqueId)*: 1001360428
   - **Participation Code** *(studentParticipationCodeDescriptor)*:
     - **Participation Type** *(studentParticipationCodeType)*: Perpetrator - Perpetrator
   - **Behavior** *(behaviorDescriptor)*: 06 - Endangering Behavior
   - **Behavior Detailed Description** *(behaviorDetailedDescription)*: Fight
   - **Student Discipline Incident Behavior Association Extension** *(_ext)*:
     - **Serious Bodily Injury** *(WI_seriousBodilyInjury)*: False
   - **Create Date**: 12/22/2022 1:57:39 PM
   - **Last Modified Date**: 12/22/2022 1:57:39 PM
   - **Ed-Fi Id** *(id)*: 1dc23b2b-bed8-4f08-ba21-4cc8f25e0a22
2. **WISEId** *(studentUniqueId)*: 1001360428
   - **Participation Code** *(studentParticipationCodeDescriptor)*:
     - **Participation Type** *(studentParticipationCodeType)*: Perpetrator - Perpetrator

SCED Course Codes v10.0

Public LEAs

Vendor: Required

LEAs: Required

SCED Course Codes v10.0

➔ Update the course codes to the latest version of the SCED 10.0.

- Vendors will need to update the course catalog in the SIS
- The course list will be added to the Courses data element page

Course Codes for Indigenous Languages

Public LEAs

Vendor: Required

LEAs: Required

Course Codes for Indigenous Asian and North American Languages

- ➔ Adding new world language course codes for reporting endangered and Indigenous Asian (Hmong) and North American (Ho-Chunk, Ojibwe, Oneida, Potawatomi, Menominee, and Mahican) Languages in Wisconsin
- ➔ Helps identify districts where these languages are learned and by whom.

Coordinated Early Intervening Services (CEIS)

Public LEAs

Vendor: Required

LEAs: Required

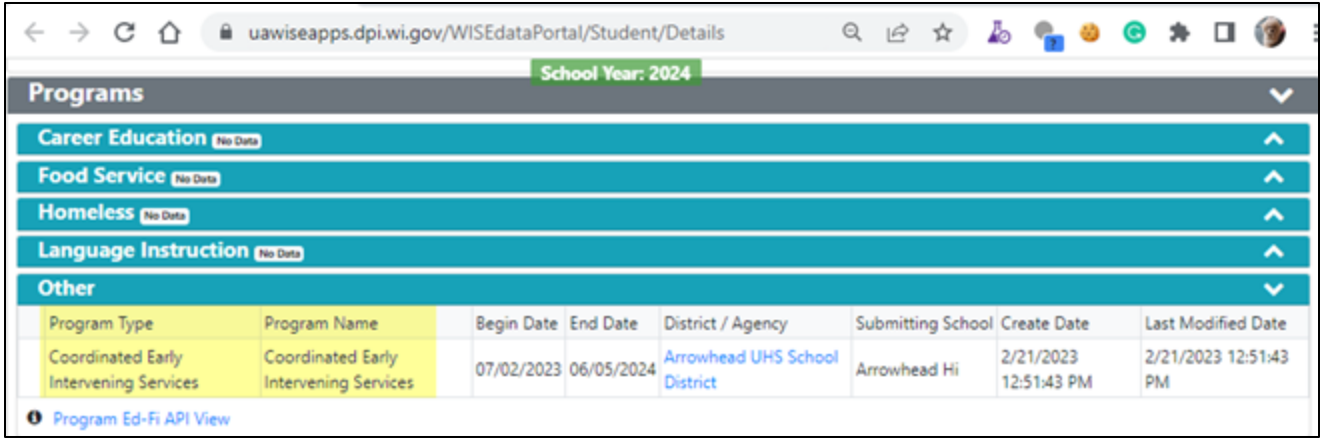
Coordinated Early Intervening Services (CEIS)

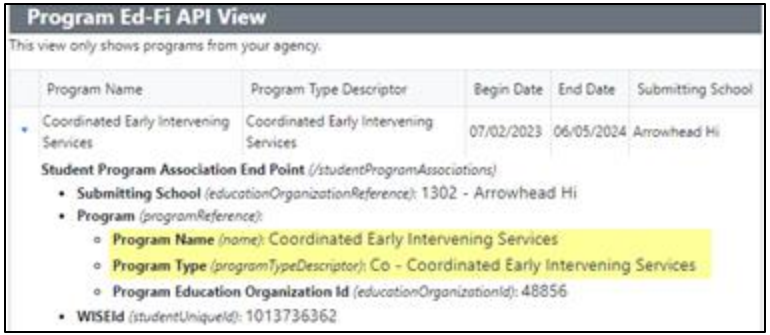
➔ The ‘description' and 'shortDescription' under the ProgramTypeDescriptor have been updated.

'Cocurricular Programs' –> 'Coordinated Early Intervening Services'

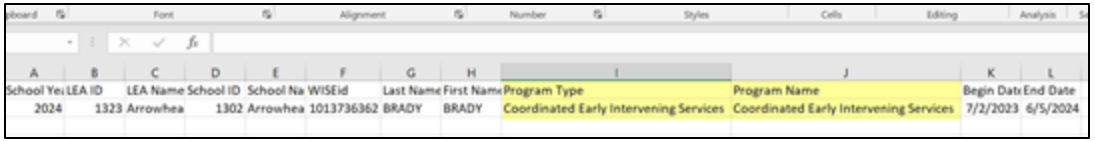
Coordinated Early Intervening Services (CEIS)

Screen path: Student Details -> Programs -> Other





Screen path: Exports -> Select 'Programs' for Collection -> Download the 'Student Program Associations' export



Parent Information for Summer EBT

- ➔ Parent information was an optional data collection.
- ➔ Starting 203-24, it'll be required for vendors, and conditionally required for LEAs.
- ➔ Summer EBT is now a permanent program per the Consolidated Appropriations Act. DHS would like to consistently receive the parent(s) or guardian information.
- ➔ A new WISEdata validation message to require Parent info (Name, Address/DOB) for students who qualify for free and reduced priced meals.

WISEdata Finance Changes

Public LEAs

Vendor: Required

LEAs: Required

WISEdata Finance Changes

- ➔ The path for the Finance endpoints changed from **/ed-fi-xfinance/** to **/ed-fi/**.
- ➔ The fiscalYear is added at the root of the /chartOfAccounts and /localAccounts in 2023-24.
  - ■ *These changes do not change the LEA's process, but vendors will need to modify their code to send data properly to the WISEdata Finance Portal.*

What's Next in WISEdata Portal (2024-25 SY)?

- **CTE Perkins Graduate Follow Up Survey (FUP)** *(WISEdata Integration)*
- **Staff Identity Integration** *(WISEdata Integration)*
- **Address verification, standardization, and geocoding** *(WISEdata Enhancement)*
- **Messaging Tool in WISEdata Portal** *(WISEdata Enhancement)*

Feedback

- ➔ **What is the one enhancement idea you think is critical for our team to address?**
- ➔ **What is the next 'value add' vendor or WI agency integration that our team should focus on?**

Please fill out this form:
https://feedback.dpi.wi.gov/

➔ **Do you Have Any Questions?**

Email: jaidaa.shafaei@dpi.wi.gov

THANK YOU