


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?



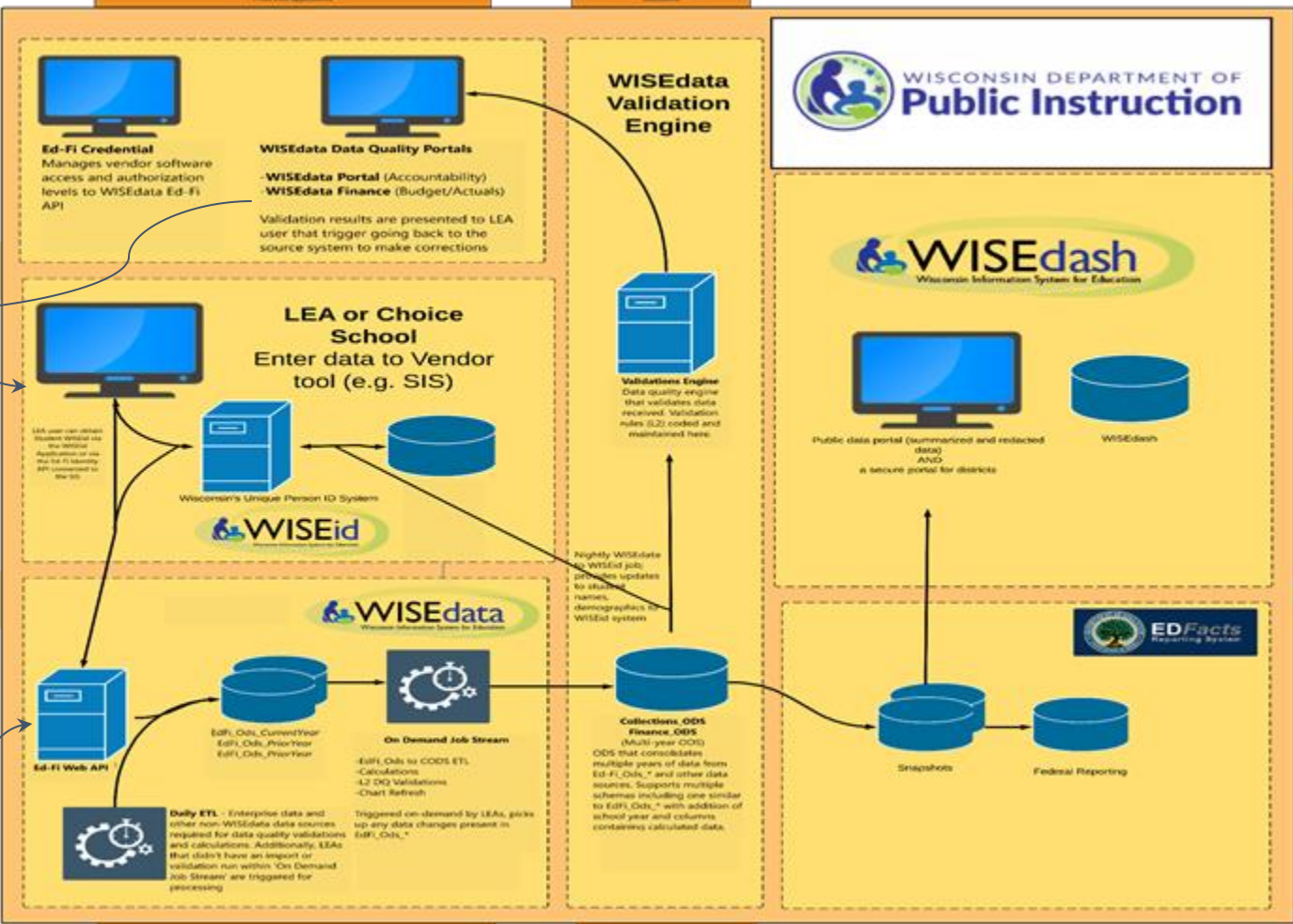
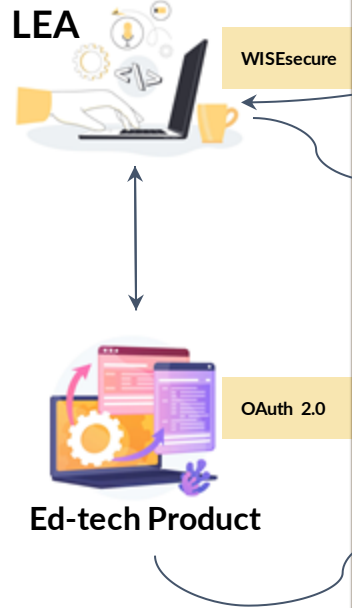
What's an API?



LEA

WISEdata Ed-Fi API

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



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)?



WHAT'S NEW

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 F# 6
Platforms	Windows, Linux, Android, macOS, iOS, tvOS	Windows, Linux, Android, macOS, iOS, tvOS + Windows ARM64, 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: learn.microsoft.com

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

The screenshot displays the Ed-Fi API View interface for a student. The central panel shows a list of digital equity data points, with the following items highlighted in yellow:

- **Internet Access In Residence** (*internetAccessInResidence*): N
- **Internet Access Type In Residence** (*internetAccessTypeInResidence*): Community Provided Wi-Fi
- **Internet Performance In Residence** (*internetPerformanceInResidence*): Sometimes
- **Barrier To Internet Access In Residence** (*barrierToInternetAccessInResidence*): Not Affordable
- **Primary Learning Device Access** (*primaryLearningDeviceAccess*): Shared
- **Primary Learning Device Away From School** (*primaryLearningDeviceAwayFromSchool*): None
- **Primary Learning Device Provider** (*primaryLearningDeviceProvider*): School

Other visible data points include:

- **Apartment/Suite** (*apartmentRoomSuiteNumber*): 349
- **City** (*city*): Madison
- **State** (*stateAbbreviationDescriptor*): WI
- **Postal/Zip Code** (*postalCode*): 53125
- **SIS loginId** (*loginId*):
- **Local Person ID** (*studentIdentificationCodes*):
 - 1. **Identification code** (*studentIdentificationSystemDescriptor*): L - Local
 - **Assigning code** (*assigningOrganizationIdentificationCode*): Local
 - **Local Person Id** (*identificationCode*): New_LocalId
- **Ancestry Ethnic Origins** (*ancestryEthnicOrigins*):
 - *bl-notindicated* - Black - Decline to indicate
 - *hi-poertorican* - Hispanic/Latino - Puerto Rican
- **Create Date**: 1/26/2023 1:52:27 PM
- **Last Modified Date**: 1/26/2023 3:21:49 PM
- **Ed-Fi Id** (*id*): 7034425a-e519-47e7-a47e-4a075cc48941

At the bottom of the central panel, it states: *This is a choice specific data element

Pupil Count for Membership

Pupil Count for Membership

- 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.

Public LEAs

Vendor: Required

LEAs: **Parallel Reporting**

Pupil Count for Membership

Student Education Organization Association (SEOA) Changes, aka Demographics Record

→ 2022-23 and prior

Resident District is under the Student Demographics

Demographics - School Level

District / Agency	School	Gender	DPI Race/Ethnicity	DPI Reporting Disability	DPI Economic Disadvantaged
Sun Prairie Area School District	Horizon EI	Female	H W	N	

Validation Messages

- **Error 7150 Q** - Tribal affiliation submitted with unexpected Race/Ethnicity. **Acknowledge**
- **Warning 6393 Q** - Gender does not match the current value in WISEid. **Acknowledge**
- **Warning 7151 Q** - Submit only the name of Tribal Nation/Community that the student is either enrolled in or a direct descendant. On one tribal affiliation or data will be rejected and ignored by WISEdash. **Acknowledge**

SIS Login ID: RA\NAGE Local Person ID: RA\NAGE Resident District: Sun Prairie Area School District Student Email: zDKYA@STESTWDP.com

→ 2023-24 and after

*Resident District is **no longer** under the Student Demographics*

Demographics - School Level

District / Agency	School	Gender	DPI Race/Ethnicity	DPI Reporting Disability	DPI Economic Disadvantaged
Sun Prairie Area School District	JEDI Virtual K-12	Non-binary	H W	OHI	R

SIS Login ID: Local Person ID: Local : New_LocalID Student Email: WDPIDppqJg@dpi.com

Hispanic Latino Ethnicity: True Races: Languages: Limited English Proficiency: 7 - Fully

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

The screenshot shows a browser window with the URL `devwiseapps.dpi.wi.us/WISEdataPortal/ApiDataView/Enrollment`. The page displays a JSON object with the following structure:

```
{  "Services": {    "Part Time Instructional Minutes (WI_partTimeInstructionalMinutes)": 0,    "Residency Periods (WI_residencyPeriods)": [      {        "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"      },      {        "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

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

All LEAs

Vendor: Required

LEAs: Required

- 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



WISEdataPortal - Contact List

dewiseapps.dpi.wisconsin.gov/WISEdataPortal/Contact/List

WISEdataPortal Agency Alerts Admin Jobs Settings Links Help Jaidaa (Sun Prairie Area School District)

Home Data Quality Validation Messages Student Search School Roster Details Graduation Plan Exports Expected Transfers Hotspot

Vendor Resources Change Agency Agency Contacts Logout

Agency Contacts

Contacts in grey text are retrieved from the previous year and have not been confirmed for this year.

NOTE: If any of the contacts displayed have **retired** or **are not returning**, submit a **help ticket** to WI DPI CST for the contact to be **inactivated**.

Sun Prairie Area School District

Vendor(s): SheshiSIS, TomSIS, AS Test, SheshiTest, MeghanaTest, Lalitha, JaidaaTest, Test Vendor 5, Laxmi, SheshiAssessment, Tom, Woo Chi

Snapshot Acknowledgment Response

Contact T...	First Name	Last Name	Email	Phone Nu...	Areas of L...	3rd Friday...	October 1...	Graduatio...	Career Ed...	Spring De...

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

Agencies

Drag a column header and drop it here to group by that column

LEA ID	LEA Code	LEA Name	School ID	School Code	School Name	First Day Of School	Last Day Of School
5017350	0700	Fox Valley Lutheran High Sch	17350	0700	Fox Valley Lutheran High Sch	09/06/2023	10/31/2024
17423	0147	Appleton Area School District	17348	0410	Wilson Mid	09/05/2023	01/19/2024
5017352	5230	Xavier Middle School	17352	5230	Xavier Middle School	09/05/2023	01/19/2024
17423	0147	Appleton Area School District	17331	0060	Badger El	09/04/2023	06/03/2024
5017351	1982	Mount Olive Evang Luth Sch	17351	1982	Mount Olive Evang Luth Sch	09/04/2023	06/03/2024

Discipline Changes

Discipline Changes

- 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).

Public LEAs

Vendor: Required

LEAs: Required

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	INCIQ-QA-002	07/01/2023

Behaviors

District / Agency	SchoolName	IncidentIdentifier	IncidentDate	Behavior
Sun Prairie Area School District	JEDI Virtual K-12	INCIQ-QA-002	07/01/2023	Endangering Behavior
Sun Prairie Area School District	JEDI Virtual K-12	INCIQ-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.wis.us/WISEdataPortal/Api/Data/View/DisciplineV3

Discipline Ed-Fi API View

This view only shows discipline incidents from your agency.

Discipline Incident End Point (/disciplineIncidents/)

- Incident Identifier (incidentIdentifier): INCIQ-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 (/studentDisciplineIncidentBehaviorAssociation/)

- 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 (WL_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
- WISEId (studentUniqueId): 1001360428
 - Participation Code (studentParticipationCodeDescriptor):
 - Participation Type (studentParticipationCodeType): Perpetrator - Perpetrator

SCED Course Codes v10.0

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](#)

Public LEAs

Vendor: Required

LEAs: Required

Course Codes for Indigenous Languages

Course Codes for Indigenous Asian and North American Languages

Public LEAs

Vendor: Required

LEAs: Required

- 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)

Coordinated Early Intervening Services (CEIS)

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

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

Public LEAs

Vendor: Required

LEAs: Required

Coordinated Early Intervening Services (CEIS)

Screen path: Student Details -> Programs -> Other

uawiseapps.dpi.wi.gov/WISEdataPortal/Student/Details

School Year: 2024

Programs

- Career Education No Data
- Food Service No Data
- Homeless No Data
- Language Instruction No Data
- Other**

Program Type	Program Name	Begin Date	End Date	District / Agency	Submitting School	Create Date	Last Modified Date
Coordinated Early Intervening Services	Coordinated Early Intervening Services	07/02/2023	06/05/2024	Arrowhead UHS School District	Arrowhead Hi	2/21/2023 12:51:43 PM	2/21/2023 12:51:43 PM

[Program Ed-Fi API View](#)

Program Ed-Fi API View

This view only shows programs from your agency.

Program Name	Program Type Descriptor	Begin Date	End Date	Submitting School
Coordinated Early Intervening Services	Coordinated Early Intervening Services	07/02/2023	06/05/2024	Arrowhead Hi

Student Program Association End Point (/studentProgramAssociations)

- Submitting School (educationOrganizationReference): 1302 - Arrowhead Hi
- Program (programReference):
 - Program Name (name): Coordinated Early Intervening Services
 - Program Type (programTypeDescriptor): Co - Coordinated Early Intervening Services
 - Program Education Organization Id (educationOrganizationId): 48856
- WISEid (studentUniqueId): 1013736362

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

A	B	C	D	E	F	G	H	I	J	K	L
School Yr/LEA ID	LEA Name	School ID	School Na	WISEid	Last Name	First Name	Program Type	Program Name	Begin Date	End Date	
2024	1323 Arrowhea	1302 Arrowhea	1013736362	BRADY	BRADY	Coordinated Early Intervening Services	Coordinated Early Intervening Services	7/2/2023	6/5/2024		

Parent Information for Summer EBT

- Parent information was an optional data collection.
- Starting 2023-24, 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

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.*

Public LEAs

Vendor: Required

LEAs: Required

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

A group of hands holding up colorful, patterned letters that spell out 'THANK YOU'. The letters are made of paper and feature various patterns like stripes, polka dots, and swirls. The background is white, and the image is framed by a dark blue border at the top and bottom, with a green and blue wavy graphic at the bottom.