



WISEdata 21/22

What's New?

John Raub - WISEdata Collections Team - Product Owner

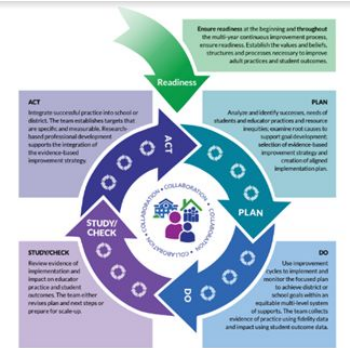
Meghana Aleti - WISEdata Collections Team - System Business Analyst



Continuous Improvement

We are constantly striving to find ways to improve processes, and not just collect data.

- Help LEAs leverage data already submitted
- Develop tools to aid in productivity
- Develop tools to assist with student improvement planning and outcomes



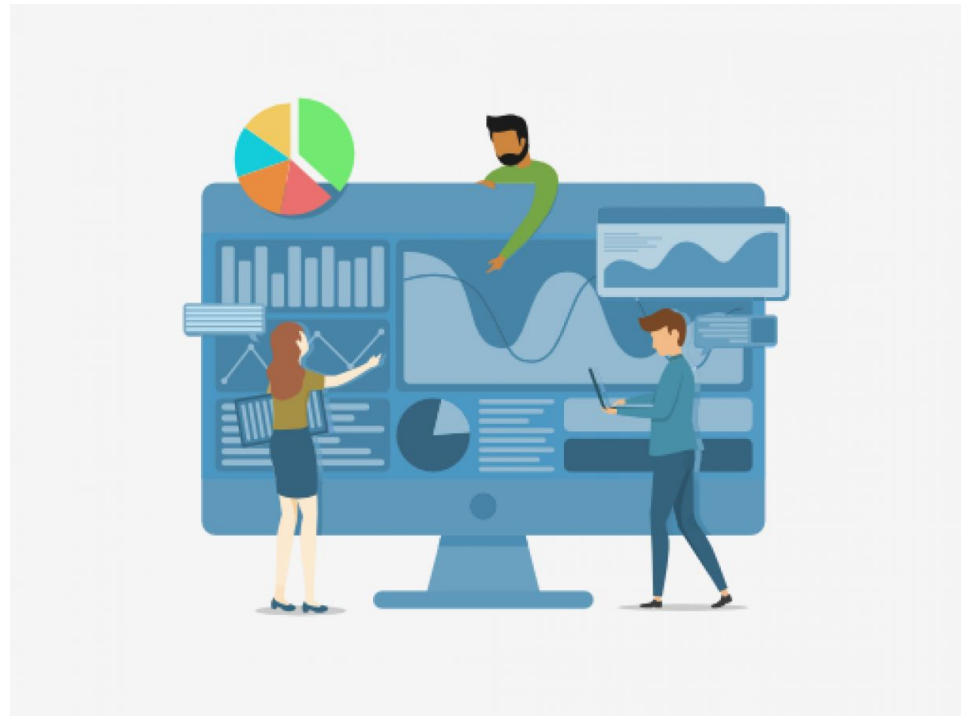
21/22 - What's New

- **Data Collections & CTE/CCR Updates**
- **Interoperability**
- **Infrastructure**
- **Privacy and Security Toolkit**



What's New in 21/22?

DATA COLLECTIONS



21/22 - Data Collections

- **New**

- Ancestry / Ethnic Origins
- Tribal Affiliation

- **Improvements**

- Course programs at the student level
- State course codes for technical education courses not CTE

- **Value Add**

- Parent Guardian
- Student Other Name (e.g. preferred name)



21/22 - Data Collections

- **Ancestry/Ethnic Origins** *new*
 - **What:** Ancestry/Ethnic Origins data collection
 - **Required:** Voluntary, but so important!
 - **LEA Type:** Public and Choice
 - **Why?:**
 - Providing this additional information is **not required by law**, however, an incomplete collection of data can create misleading or inconclusive reports.
 - **The current federally-mandated racial and ethnic categories mask differences between sub-ethnic groups**, by providing DPI with more detailed information, we can make meaningful differences for Wisconsin marginalized students.



21/22 - Data Collections

- **Tribal Affiliation** *new*
 - **What:** Tribal Affiliation data collection
 - **Required:** Voluntary but recommended
 - **LEA Type:** Public/Choice
 - **Why?:** The data helps to support projects that develop, test, and demonstrate the effectiveness of services and programs to improve education achievements of Indian children and youth.



21/22 - Data Collections

- **Course Programs at Student Level *improvement***
 - **Current:** The current WISEdata Ed-Fi Roster model associates programs at the section not the student section. As a result it makes it appear that all students in the section participate in all the programs associated to the section.
 - **Improvement:** Program association will move to student section so that students in a section can be in different programs and one or more programs. LEAs don't have to split physical sections to correctly align programs; improves accuracy of reporting
 - **LEA Type:** Public



21/22 - Data Collections

- **State Course Codes for Technical Education** *improvement*
 - **Current:** When aligning local courses to state course codes there isn't always a good match for technical education courses that aren't CTE
 - **Improvement:** The 21/22 course list available as a download, DPI search page or via the WISEdata API, will include non-CTE technical education state course codes
 - **Benefit:** Easier for data administrators to align local course codes to state codes for technical education classes.
 - **LEA Type:** Public



21/22 - Data Collections

- **Parent / Guardian** *value add*
 - **Required:** No
 - **What:** SIS vendors send parent/guardian data to WISEdata so that it can be made available to other LEA authorized vendors via the WISEdata API. Examples include Xello, OASYS and WEN eSchool.
 - **Benefit:** Secure data exchange method; avoid manual keying of data in non-SIS WISEdata connected systems.
 - **LEA type:** All



21/22 - Data Collections

- **Other Names** *value add*
 - **Required:** No
 - **What:** SIS vendors send 'other names' (e.g. preferred) to WISEdata so that it is available to other LEA authorized vendors via the WISEdata API.
Benefit: Secure data exchange method; avoid manual keying of data in non-SIS WISEdata connect systems; can display in WISEdata applications to benefit LEA users (that know the student by the preferred name)
 - **LEA type:** All



CTE/CCR - Data Collections

- **20/21 CTE and Career College Ready Reporting Changes**

Snapshot Late Fall 2021

- A new **out of the state category for Dual Enrollment** ('Out-of-state Dual Enrollment') is introduced and updates are made to identify the existing categories were only WI post secondary institutions.
- **CTE participant is calculated for 9 - 12.** Doesn't look at grade/mark.

[Reference document](#)



CTE/CCR - Data Collections

- **21/22 CTE and Career College Ready Reporting Changes**

Snapshot Late Fall 2022

- **All non-certified CE programs will be required for 9 to 12** and the category list will expand. The detailed definitions will change in some cases but will not be available for the conference.
- **CTE Participant will likely require a passing grade again.** This requirements was waived temporarily due to the pandemic. This is still being discussed

[Reference Document](#)



DE, WL, CE Program - Data Collections

- **21/22** Dual Enrollment, World Language, Certified, non certified programs reporting changes
 - In Previous implementation LEA had to separate sections for below use cases
 1. one Course tied to multiple programs but not all students are participating in all programs .
 2. one kid in one course with multiple programs (say IRC, YA) from certified program type.
 - The new model from 21/22 SY distinctly identify within a single course section the different or multiple programs in which an individual student is participating and that each student may have their own unique subset of Dual Enrollment, World Language, Certified Career Education (CE) and Non-certified CE

[Reference Document](#)



What's New in 21/22?

INTEROPERABILITY



What's New in 21/22?

BUT FIRST - WHAT IS INTEROPERABILITY?

Interoperability is the **seamless, secure, and controlled** exchange of data between applications. Think about all the **edtech tools** that students use for quizzes, assessments, homework, attendance, and even learning games. The data used here can help teachers, districts, and states **make school better**. **Think about how data could be compared and contextualized to engage, interest, and support students through targeted approaches for maximized understanding and growth.** Without high-quality data that is contextualized and streamlined, **we are in the dark.**

Source: <https://www.projectunicorn.org/resources/what-is-data-interoperability-in-education>





21/22 - Interoperability

- In **20/21** we conducted beta and pilot efforts with a number of our interoperability projects
- In **21/22** a number of these projects will transition to full production
- Some vendor interoperability adoption has been slower than we would like



21/22 - Data Interoperability

- **Course Transcript:** Xello Course Planner
- **Identity API:** State WISEid system SIS integration
- **Immunization:** Wisconsin DHS WIR
- **Migrant:** MIS2000 SEA migrant system
- **Statewide Assessment:** ACT
- **Student Identity:** Identity API integration - additional vendor integrations to search or create WISEids
- **Wisconsin eSchool:** Pull in student data from WISEdata required for Learning Management System



21/22 - Interoperability

- **Course Transcript - Xello**

- **What:**

- SIS vendors have the ability to send course transcript data to WISEdata
- LEA provides authorization (subscribe in Ed-Fi credential) and onboards with Xello
- Xello pulls in course transcript data from WISEdata to the course planner tool

- **Benefit:** secure, eliminates manual imports/data entry, timely

- **Status:** *This is in beta/pilot* - JMC, Skyward



21/22 - Interoperability

The image displays three overlapping screenshots of the xello website interface, illustrating its interoperability features. The top-left screenshot shows the 'COURSES & DIPLOMAS' section with a 'Student Course Plans' card. The middle-left screenshot shows the 'STUDENT COURSE PLANS' section with a red circle highlighting an 'Add Plan' button. The rightmost screenshot shows a detailed 'High School Graduation' course planner with a progress bar and a table of course requirements.

Grade	Credits	Course	Prerequisites	Grade
GRADE 9 7 Credits	69	Science SNC2D Science 9	7.0	
	70	Geography of Canada CGC2D Social Studies 9	7.0	
	89	Comprehensive Arts ALCP English 9	7.0	
	76	English	7.0	
GRADE 10 9 Credits	78	English ENG2D English 10	7.0	
	83	Foundations of Math. MFM2P1 Math 10	7.0	
	60	Science SNC2D Science 10	7.0	
GRADE 11 8 Credits		English 125 ENG5B English 11	7.0	
		Functions MCF3B Math 11	7.0	
		AP Science AP Science Science 11	7.0	
GRADE 12 8 Credits		English ENG5P English 12	7.0	
		AP Science AP Science Science 12	7.0	



~~21/22~~ - Interoperability

● Identity API

- **What:** Use your SIS to search WISEid to see if a WISEid already exists for the student (or review a list of possible matches and select) **OR** a WISEid needs to be generated
- **Benefit:** Stay in your SIS, limited scenarios where user needs to go to the WISEid (student) application, saves time
- **Status:** *This is ready now!*
 - **Production** - PowerSchool, Skyward
 - Asking remaining SIS vendors to complete this integration. WISEdata team is ready to support and test with remaining vendors



21/22 - Interoperability

WISEid Student Information

Zappa, Moon 9 38871 P3

WISEid Data Elements	
WISEid	<input type="text"/> Request WISEid
Local Person ID	38871
Preferred Name (Last, First Middle)	Zappa, Moon
Legal Name (Last, First Middle, Suffix) Explain	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Birthdate	07/14/2009
Preferred Gender	F
Legal Gender	<input type="text"/>
No Location Release	<input type="checkbox"/>
Federal Ethnicity and Race	
Ethnicity	Is the
Race	What

Cannot auto assign student unique id. Id: 22403. Error: OOPS! A WISEid cannot be requested/resolved until the following missing data is provided on the Student record: [Student Race] [Primary Parent/Guardian]

Review Candidate List

Zappa, Moon DOB: 07/14/2009 Gender: F

List of Student Matches

	WISEid	Name	Birth Date	Gender	Match Score	Ethnicity
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~~21/22~~ - Interoperability

● Immunization

- **What:** SIS vendors may GET a student's immunization data from WIR and ingest them into the SIS
- **Benefit:** Secure, timely data that saves significant data entry time for school nurses
- **Status:** *This is ready now!*
 - **Production** - Skyward, FACTS
 - **Beta** - JMC
 - **Development** - PowerSchool
 - WISEdata team is ready to support and test with remaining vendors



21/22 - Interoperability

- **ACT Statewide**

- **What**

- Pre-assessment student registrations to ACT from WISEdata
- ACT assessment outcomes to WISEdata

- **Benefit:**

- Pre-assessment student registrations sync from WISEdata to ACT daily to account for student movement
- Assessment outcomes in WISEdata allow for LEAs to pull into their SIS or other tools once those systems integrate

- **Status:** Spring of 2021 production simulation to verify test/use cases. Full operational status is targeted for Spring 2022.



21/22 - Interoperability

- **Migrant**

- **What:** LEAs will no longer submit migrant to WISEdata, instead SIS vendors will pull this data from WISEdata. WISEdata receives this data from the national MIS2000 migrant vendor system
- **Benefit:** More timely data so LEAs no a student has migrant status; eliminates data entry/submission by LEA
- **Status:** Ready for 21/22; integration development and testing is complete



21/22 - Interoperability

- **Wisconsin eSchool**
 - **What:** Pre-populate student data from WISEdata via the API into eSchool LMS connections
 - **Benefit:** Eliminate unnecessary manual LEA administrative tasks and to improve data timeliness
 - **Status:** In development



What's New in 21/22?

INFRASTRUCTURE



21/22 - Infrastructure

- **Massive technical infrastructure upgrade**
 - Modernization that will allow us to continue to accept more vendor integration
 - Ability to scale easier for high volume periods
 - Dedicated database server(s) for WISEdata



Cyber and Data Security in Your District Reminders



EVERYONE'S LIFT



WISCONSIN DEPARTMENT OF
PUBLIC INSTRUCTION
Tony Evers, PhD, State Superintendent

Cyber and Data Security

- **CYBER:** Protecting Internet accessible systems from attack, including hardware, software, data, and infrastructure.
- **DATA:** is secured in environments that protect it from being shared with others (intentionally, or unintentionally)

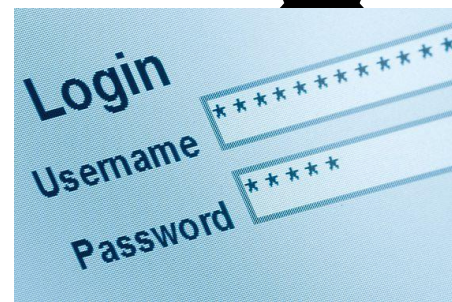
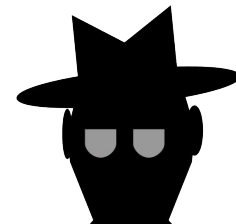


Remain Vigilant

- Phishing attacks are on the rise

Phishing attacks account for more than 80% of reported security incidents

- If you see something say something



Cyber and Data Security Communications

NEW Future Privacy Forum

Communication ToolKit

For more Cyber and Data security news and resources visit dpi.wi.gov/cyber-security



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PUBLIC INSTRUCTION

Tony Evers, PhD, State Superintendent

We're Listening!

- **Within most DPI applications you can:**
 - provide feedback directly
 - enter a new suggestion
 - vote on suggestions made by other people

WISEdata Portal feedback



Thank you!



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