

## Taking Control: Troubleshooting Your Data from the Cockpit

Melissa Tront  
Senior Integration Analyst  
Michigan DataHub

[melissa.tront@kresa.org](mailto:melissa.tront@kresa.org)

**Support** - [www.miservicedesk.com](http://www.miservicedesk.com)



# A little about me..

Hello everyone! My name is Melissa, and I've been working in education for 17 years. Over the past 13 years, I've gained extensive experience with PowerSchool, and I've been actively involved with the Michigan DataHub for over a decade, serving on its advisory board for 10 years. Currently, I'm working as a Senior Integration Analyst for the DataHub. When I'm not immersed in the world of education technology, I enjoy spending time with my husband Joe and our beloved Australian Shepherd, Fred. I'm excited to share my knowledge and experience with you today.



# Agenda

Today, we'll be exploring the key steps and best practices for checking your data quality in MiDataHub using Pre-Made reports and features. Our discussion will cover the following topics:

- **Setting Up for the New School Year:** Essential preparations to ensure a smooth transition.
- **Verify Data has been published to MiDataHub:** How to see this in the datahub and where to get support.
- **Verifying Your Data in MiDataHub:** The importance of reviewing and validating data accuracy in MiDataHub.
- **Identifying MiDataHub Issues vs. SIS Issues and Getting Support:** Troubleshooting techniques and resources for resolving common problems.

By the end of this presentation, you will have a clear understanding of how to effectively check the basic information in the MiDataHub and who to contact for additional support.

**This will be a hands on presentation, if you don't have a login to the datahub, see if you can watch your neighbor.**



Data is like a black hole; if it's not cleaned up, it can suck you into a vortex of errors.





# Check your cockpit

## Current Year

- Switch at the start of each school year
- If “Empty” that means data has not published to datahub from SIS system
- Current School Year affects reports and data being pulled in some downline systems

Agreements ▾ Inventory ▾ Reports ▾ Utilities ▾ MiLearn ▾ State System ▾ Features ▾

Manage District: Mendon Community School District

Region : Michigan Data Hub

ISD/Intermediate District Code :

District :

District Type : LEA

Address :

URL :

Current School Year : 2024-2025 (populated) ▾

SFTP Password :   [District Folder](#)

Integration Server : HUB-WORKER305

District Status : Active ▾

*Make sure to change Current Year to this year* →



# Cockpit Continued

## Manage Authorizations

- Add “New Authorizations”
- Delete staff no longer with district

### Manage Authorizations

New Authorization

Name	Email	Authorizations	Actions
Kevin Bullard	kevin.bullard@kresa.org	District Superintendent	<a href="#">Edit</a> <a href="#">Delete</a>
Windee Wagner	windee.wagner@kresa.org	Data Steward District Superintendent Proxy	<a href="#">Edit</a> <a href="#">Delete</a>
Dirk Bradley	Dirk.bradly@kresa.org	Technical Contact	<a href="#">Edit</a> <a href="#">Delete</a>



# Cockpit Continued

## Verify your Integrations

- Deactivate unused apps
- Reactivating Apps
- Check out our [Product Catalog](#) to find new integrations

### Inbound Integrations

(show all)

- Assessment System: Measures for Academic Progress [MAP] Distributed 2 (current)
- Add Integration

### Outbound Integrations

(show all)

- State-Sourced System: Assessment Importer 1: Request Assessment for Students without Assessments (current)
- External System: MiLEARN 1: MiLEARN-Authorizations Data (current)
- External System: MiLEARN 1: MiLEARN-Sections Data (current)
- Add Integration

### API Integrations

(show all)

- Student Information System: PowerSchool 1
- State-Sourced System: EEM 1
- State-Sourced System: Assessment Importer 1
- Assessment System: Delta Math 1
- Educational Analytics: Read by Grade 3 Research 1
- Behavior Tracking System: BHWorks 1
- Educational Analytics: Extended Benchmark Studies 1
- Data Warehouse: EVAAS 1
- Add Integration



# One Roster

## Change Year for One Roster API's

- Click on your API's
- If OneRoster is checked
  - Choose Scopes
  - Change Year

Status :

Permit Access to OneRoster API :  [Edit - Accounts for Email as Username](#)

One Roster Authorization URL : <https://apihub.midatahub.org/ims/oneroster/v1p1/token>

One Roster API Endpoint URL : <https://apihub.midatahub.org/ims/oneroster/v1p1>

**Select Available Scopes**

- RosterCore\_ReadOnly
- Roster\_ReadOnly
- RosterDemographics\_ReadOnly
- Resource\_ReadOnly

**Year :**



How do you  
verify your  
data??



# Data Quality Reports: The Inside Scoop

## District Reports

Cockpit Usage

Outbound Integration Reports

Data Hub Performance

Data Quality

- [At-A-Glance](#) ?
- [EEM Entity Mapping](#) ?
- [MiDX Population](#) ?
- [Role Validation](#) ?



# Data Quality Reports: At A Glance



1 of 2



100%



Find | Next



## At-A-Glance Report for 2024 Training District

Date Range: 7/1/2023 to 6/30/2024

Report Execution: 3/28/2024 12:22:37 PM

Total pages: 2

Education Organization Id	State Identification Code	Student Count	Parent Count	Course Count
900048	900048	<a href="#">469</a>	<a href="#">756</a>	852

Program Name	Total Students
Special Education	<a href="#">53</a>
Supplemental Nutrition Eligibility	<a href="#">254</a>
Title I Part A	<a href="#">60</a>

Food Services Eligibility	Total Students
Student is eligible for free-meal/milk program for current school year.	<a href="#">229</a>
Student is eligible for reduced-price meal program for current school year.	<a href="#">25</a>

Racial/ethnic breakdown	Total Students	Hispanic/Latino
American Indian - Alaska Native	<a href="#">4</a>	<a href="#">0</a>
Asian	<a href="#">4</a>	<a href="#">0</a>
Black - African American	<a href="#">16</a>	<a href="#">0</a>
Other	<a href="#">28</a>	<a href="#">0</a>
White	<a href="#">421</a>	<a href="#">0</a>

Program Participation	Total Students
3060-Section 31a At Risk	<a href="#">409</a>
3500-Early/Middle College Participant	<a href="#">7</a>

# Give it a Try

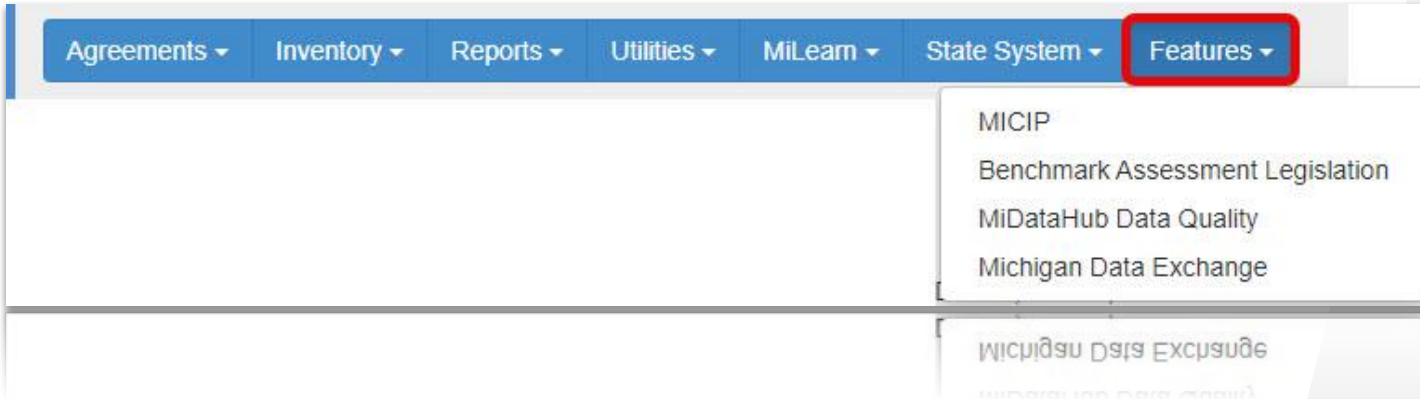
- Run your At a Glance Report



# Features :

They are quick “dashboards” that help identify issues in your data. Two of my favorites:

- Benchmark Assessment Legislation
- MiDataHub Data Quality



# Benchmark Assessment Legislation

## Checks

### Required

Integrations in MiDataHub cockpit

✔ SIS - 1 passed

✔ Assessments - 1 passed

✔ Benchmark Assessment Legislation - 1 passed

Data Readiness Status-Current Year

✔ Data Readiness Status - 1 passed - 9 info

Data Readiness Status-Current Year

✔ Data Readiness Status - 1 passed - 9 info

✔ Students With Assessment Scores without UIC - All Student Assessment Score results have a UIC Associated

❗ Students With NWEA Assessments, Beginning of Year - 1,006 NWEA assessment records exist for the 1,727 students in grades where the NWEA assessment was given. - Assessment records by grade level: 02 - 132, 03 - 143, 04 - 125, 05 - 119, 06 - 143, 07 - 170, 08 - 126, 09 - 10, 10 - 9, 11 - 18, 12 - 11

❗ Students With NWEA Assessments, End of Year - 0 NWEA assessment records exist for the 0 students in grades where the NWEA assessment was given.

❗ Students With Renaissance Star Assessments, Beginning of Year - Star integration not configured

❗ Students With Renaissance Star Assessments, End of Year - Star integration not configured

❗ Students With i-Ready Assessments, Beginning of Year - i-Ready integration not configured

❗ Students With i-Ready Assessments, End of Year - i-Ready integration not configured

❗ Students With DRC Assessments, Beginning of Year - DRC integration not configured

❗ Students With DRC Assessments, End of Year - DRC integration not configured

❗ Mode Of Instruction | FULLY IN-PERSON: 2034, 100.05%



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# MiDataHub Data Quality

✔ Attendance - 1 passed

✘ General Data Quality - 3 passed - 2 warning - 2 failed

✔ Enrolled Student has no Education Organization Association - 0 Student(s)

School	UIC	LastSurName	FirstName	Grade	ExitWithdrawDate
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✘ Enrolled Students with no Email Address - 3 Student(s)

School	UIC	LastSurName	FirstName	Grade	ExitWithdrawDate
				Tenth Grade	

✘ Enrolled Student has no Parents (studentParentAssociation) - 265 Student(s)

School	UIC	LastSurName	FirstName	Grade	ExitWithdrawDate
				First Grade	

⚠ Enrolled Students with no Classes (studentSectionAssociation) - 9 Student(s)

School	UIC	LastSurName	FirstName	Grade	ExitWithdrawDate
				First Grade	

# MiDataHub Data Quality

✔ Duplicate/Potential Duplicate Students - 0 potential duplicate students

LastSurname	FirstName	Birthday
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✔ Duplicate/Potential Duplicate Students by ID Code - 0 potential duplicate students by id code

LastSurname	FirstName	IdentificationCode	Type
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ⓘ Section has Students but no Teacher Assigned - 120 Section(s)

School	UIC	CourseCode	CourseTitle	LocalCourseCode	LocalCourseTitle	SectionIdentifier	SessionName
[REDACTED]							ART



# MiDataHub Data Quality

## Informational - 7 info

### Grade Level Breakdown - 13 Grades

NameOfInstitution	Namespace	CodeValue	ShortDescription	Count
	uri://midatahub.org/GradeLevelDescriptor	00	Kindergarten	23
	uri://midatahub.org/GradeLevelDescriptor	01	First Grade	48
	uri://midatahub.org/GradeLevelDescriptor	02	Second Grade	34
	uri://midatahub.org/GradeLevelDescriptor	03	Third Grade	37
	uri://midatahub.org/GradeLevelDescriptor	04	Fourth Grade	33
	uri://midatahub.org/GradeLevelDescriptor	05	Fifth Grade	41
	uri://midatahub.org/GradeLevelDescriptor	06	Sixth Grade	31
	uri://midatahub.org/GradeLevelDescriptor	07	Seventh Grade	33
	uri://midatahub.org/GradeLevelDescriptor	08	Eighth Grade	41
	uri://midatahub.org/GradeLevelDescriptor	09	Ninth Grade	23
	uri://midatahub.org/GradeLevelDescriptor	10	Tenth Grade	42
	uri://midatahub.org/GradeLevelDescriptor	11	Eleventh Grade	46
	uri://midatahub.org/GradeLevelDescriptor	12	Twelfth Grade	46

Number of Populated Schools - 2 populated schools

Number of Schools - 2 schools

Number of Staff Assigned to Sections - 49 staff assigned

Number of Staff in the Staff table - 79 staff

Number of Students in the Students table - 517 students

Number of Students with Enrollment Information - 491 enrolled students



# Where's the issue

- Start with your SIS
  - Has all of your data published from your SIS system?
  - If you need help publishing your data - Contact your SIS Support
- All data has been transferred
  - Role Validation Report is wrong
    - Make sure all of your staff has PIC numbers
  - Special Group Counts wrong on At A Glance
    - Make sure students are marked correctly in your SIS system

When things look good in your SIS, then it's time to call in the MiDataHub Team

[www.miservicedesk.com](http://www.miservicedesk.com)



# Helpful Resources

- Sign up for [MiDataHub Newsletter](#)
- [Training Page](#) on MiDataHub Website
- [Support](#) - Click MiDataHub Icon
- Back to School [Webinar](#)
- [Checklist](#) for Back to School



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