Collaborating with the Michigan Data Hub

Now that your data has been transferred to the datahub, what's next??

160e - Collaborating with the Michigan Data Hub

MICHIGAN DataHub

REMINDERS:

Mark your attendance on your SCECH/CPE form

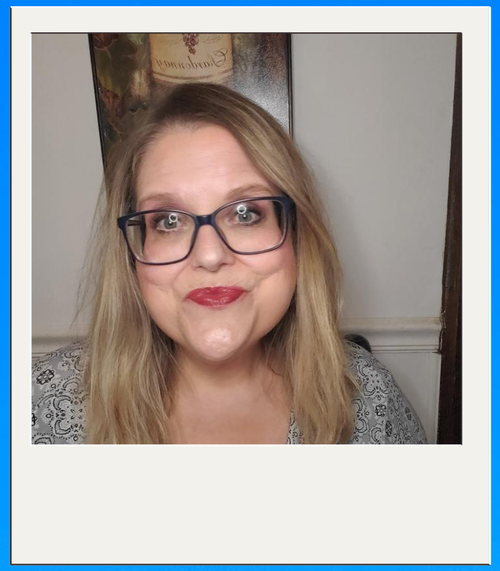
Course Name: 160e - Collaborating with the Michigan Data Hub

Introduction

Kevin Bullard

MiDataHub

- Working with Michigan Data Hub since 2015
- Over 22 years experience in K-12 education across various roles



Introduction

Melissa Tront

Senior Integration Analyst

MiDataHub

Hey, I'm Melissa, your Senior Integration Analyst at MiDataHub. Approaching almost a year with the team, I bring over 16 years of education and database mastery, previously orchestrating data wizardry at St. Joseph County ISD. Today, we're peeling back the layers to explore the hidden wonders of MiDataHub. Ready for the journey?

Why Invest Your Time? What Distinguishes This Presentation?

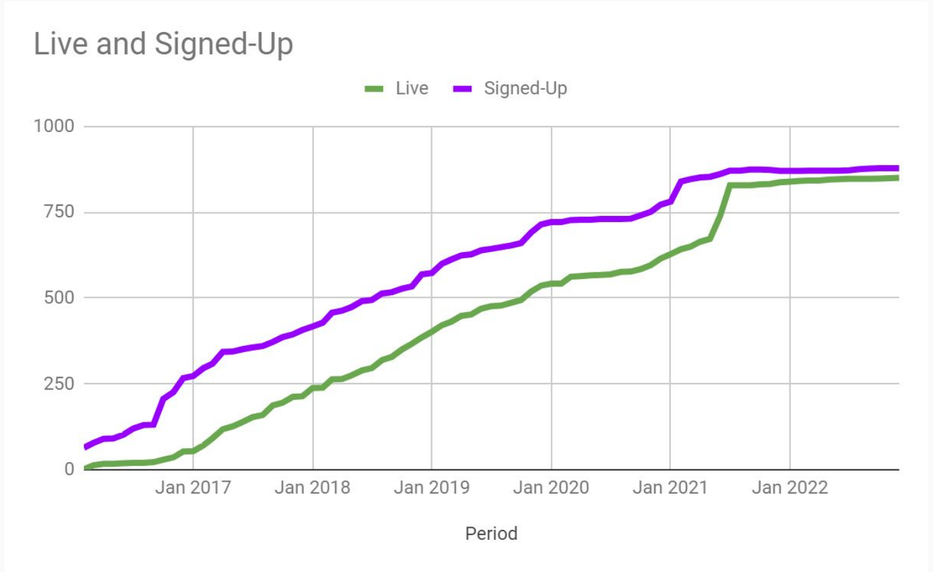
- Michigan Data Hub Then/Now
- Interoperability
- ***Embedded statewide services***
- State Reporting Services
- Take a spin through District Reports in the Cockpit
- Master the art of checking for data quality issues
- Learn to use features/dashboards to verify data

A few obstacles in Michigan….Circa 2013

- Proliferation of data systems including Student Information Systems
- Systems not integrating together
- CSV-Based Integrations that aren’t well shared between districts/ISDs/SISs
- XML-Based State Reporting burdensome for districts
- Major gaps in skill sets leading to inequity in data utilization

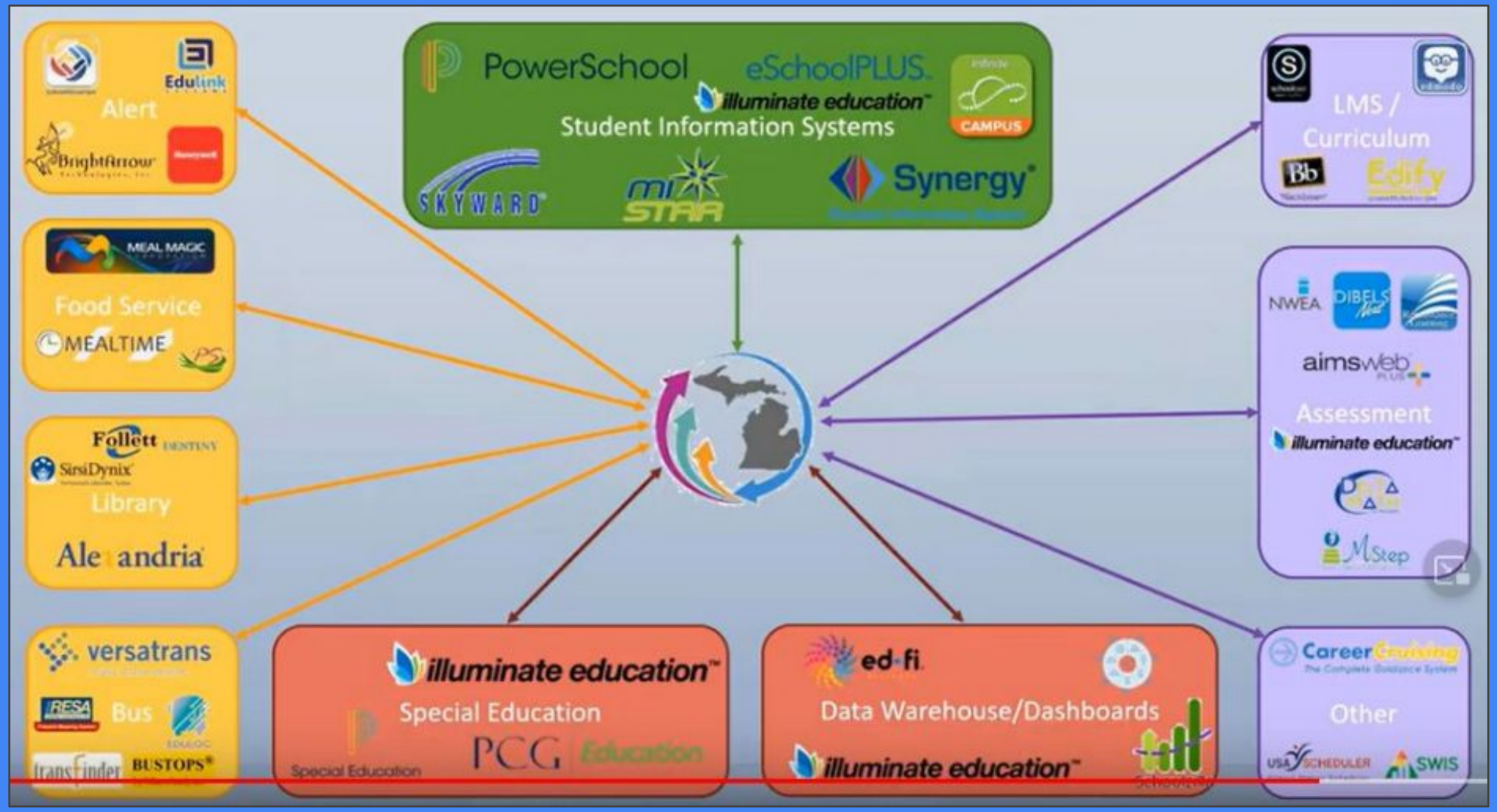
results……. up to 2024

- Addressed challenges in managing/using data across systems
- Standardization
- Districts remain in control
- Cost savings
- Shared statewide solutions (Milearn, MSDS reporting UIC Services, Snack Pack)
- 837 live districts in 2022-2023 for 1,579,379 students
- Over 10,000 Active Integration Instances



A quick,reliable way to connect data systems

MICHIGAN DataHub



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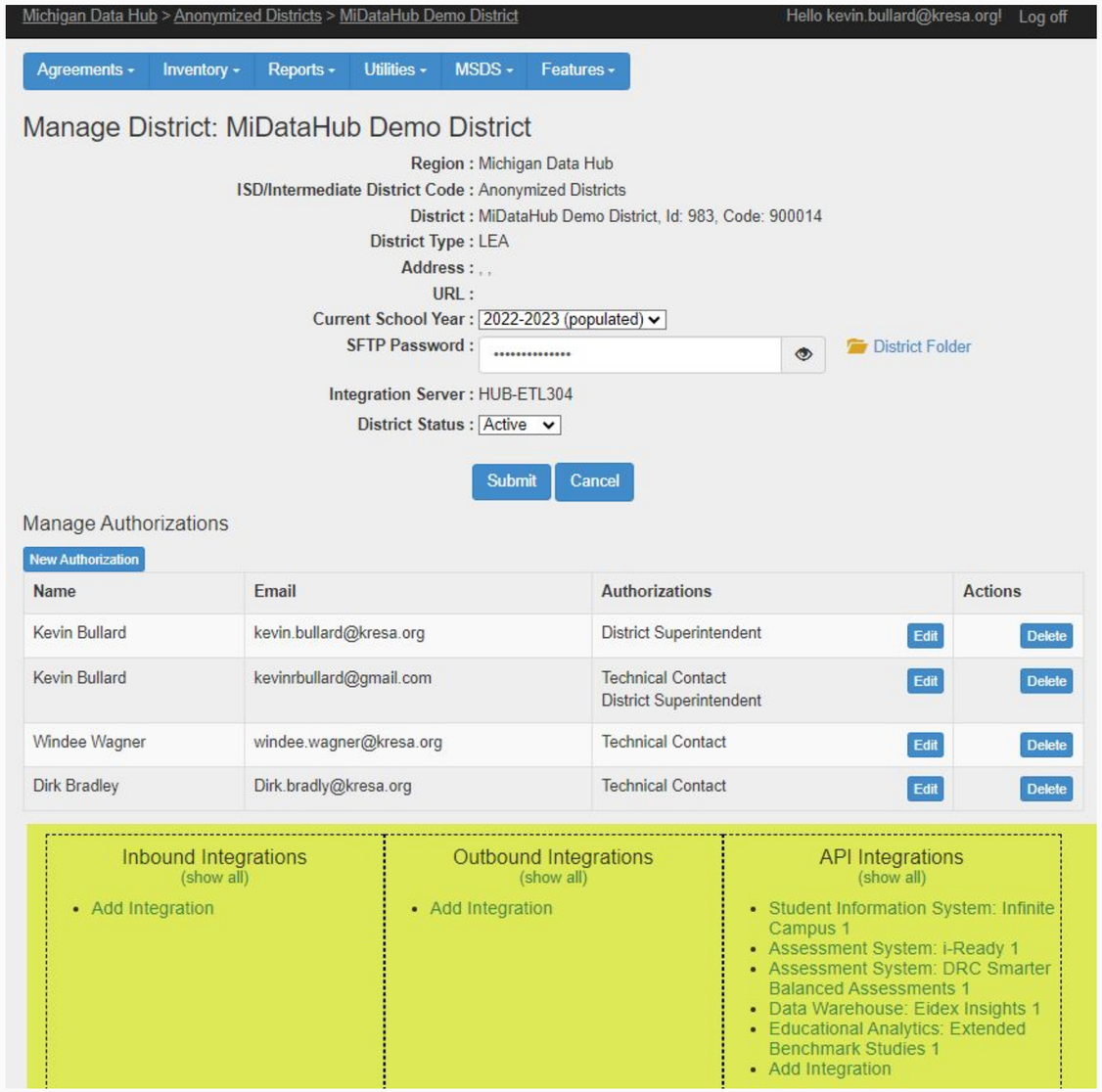
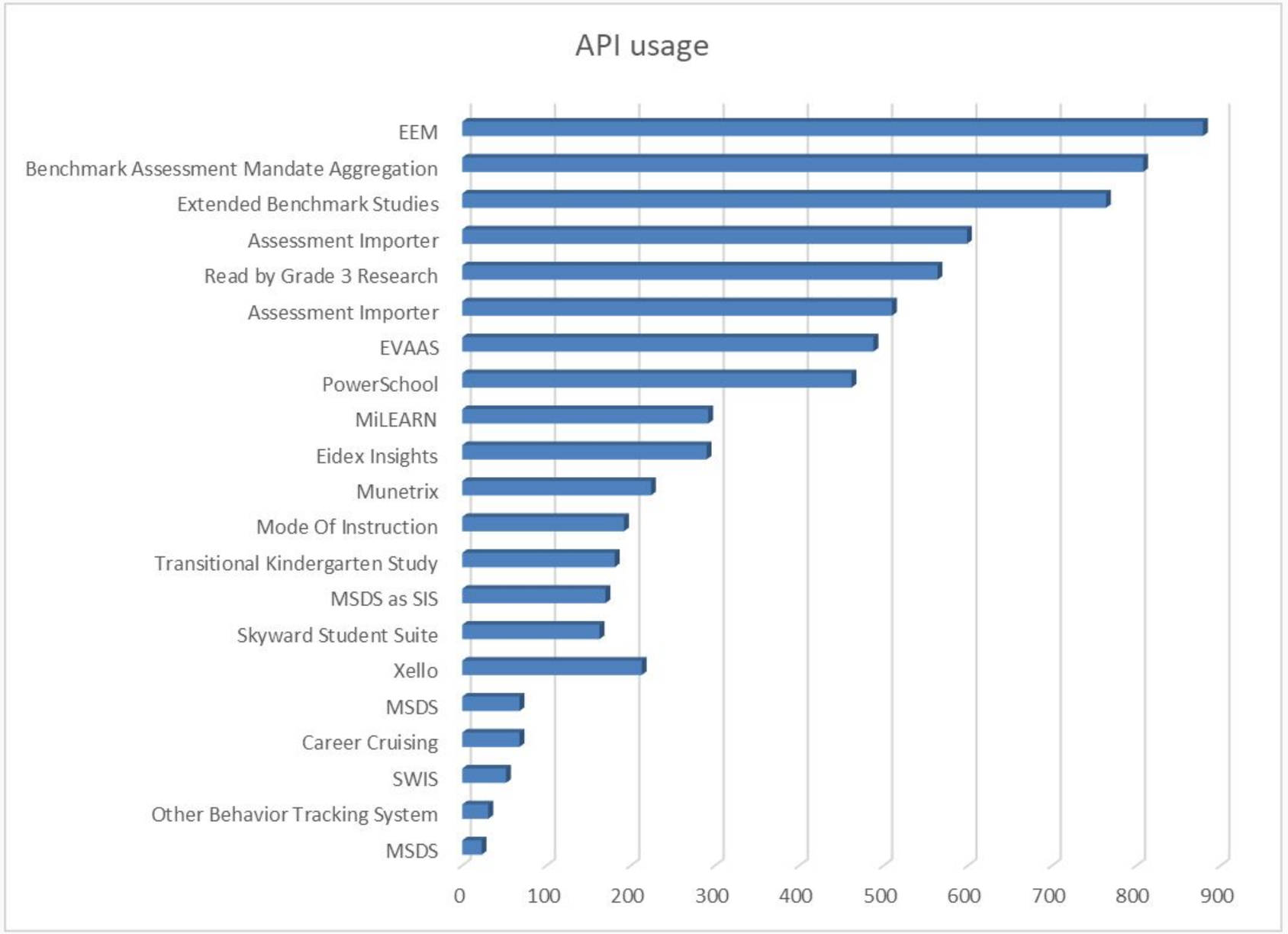


- **API Integrations** – Ability to generate a key/secret and provide connection details to upstream and downstream systems.
- **Inbound Integrations** – Ability to load data from flat files. These are largely manually created for important data sets like assessments, discipline data, etc.
- **Outbound Integrations** – Ability to export flat files in formats needed by downstream systems.

Integrations…where we are now



API integrations on the horizon….in collaboration with Ed-Fi

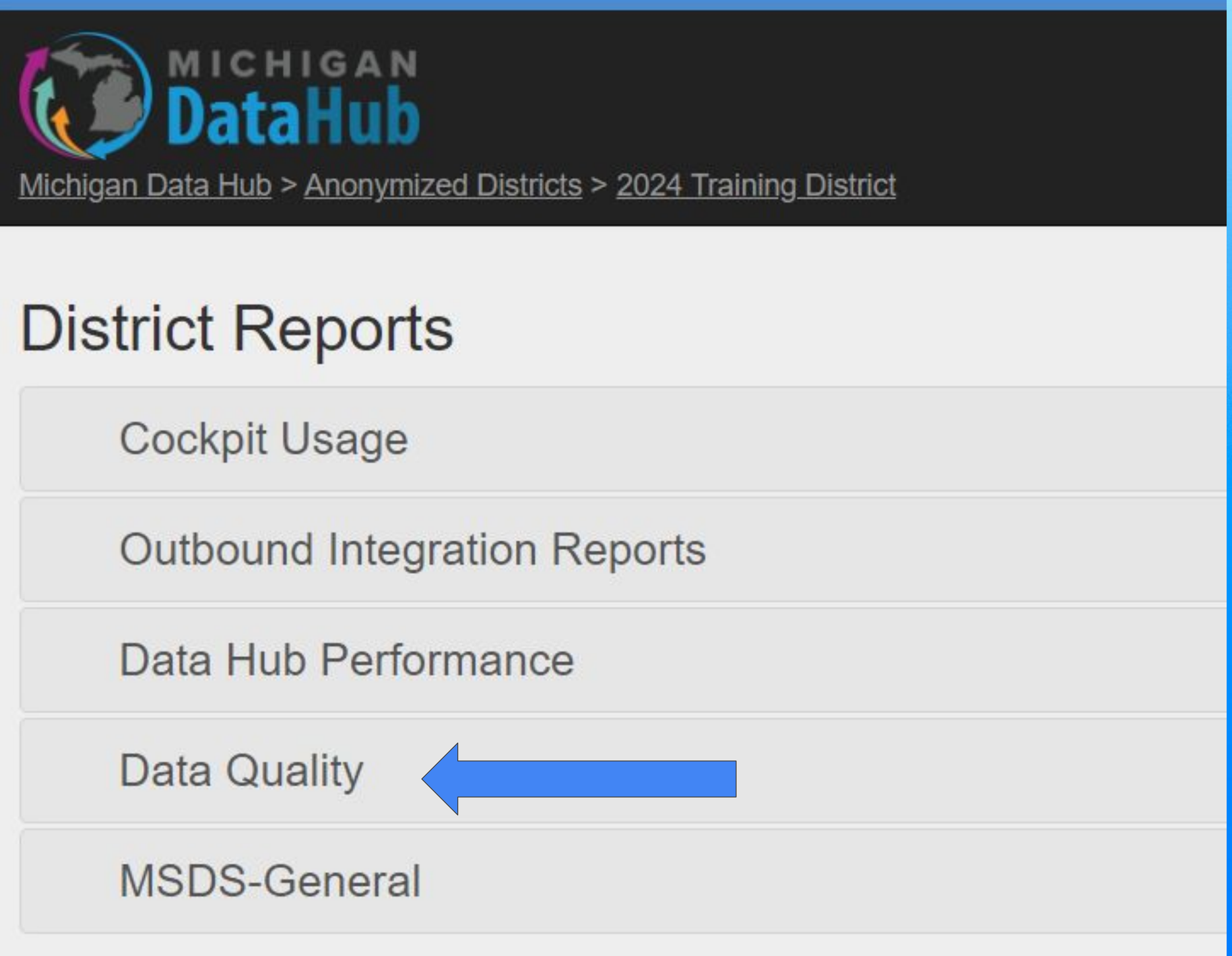
- SWIS
- NWEA
- numerous other partnering vendors as it relates to legislative initiatives and requests from districts.
- How can you help?

“You can have all of the fancy tools, but if [your] data quality is not good, you’re nowhere.”

—Veda Bawo, Data Governance Advisory at JLL Technologies

Data Quality - District’s Role

- Tools within each SIS to verify data is transferring to MiDataHub
- Inside MiDataHub Tools
  - PreMade District Reports
  - Export Sets
  - Features/Dashboards



Let's Start with
District Reports

Data Quality Reports: The Inside Scoop

AT-A-GLANCE

Provides an overview of students in the hub categorized by program, race, and food service, with clickable links for further details.

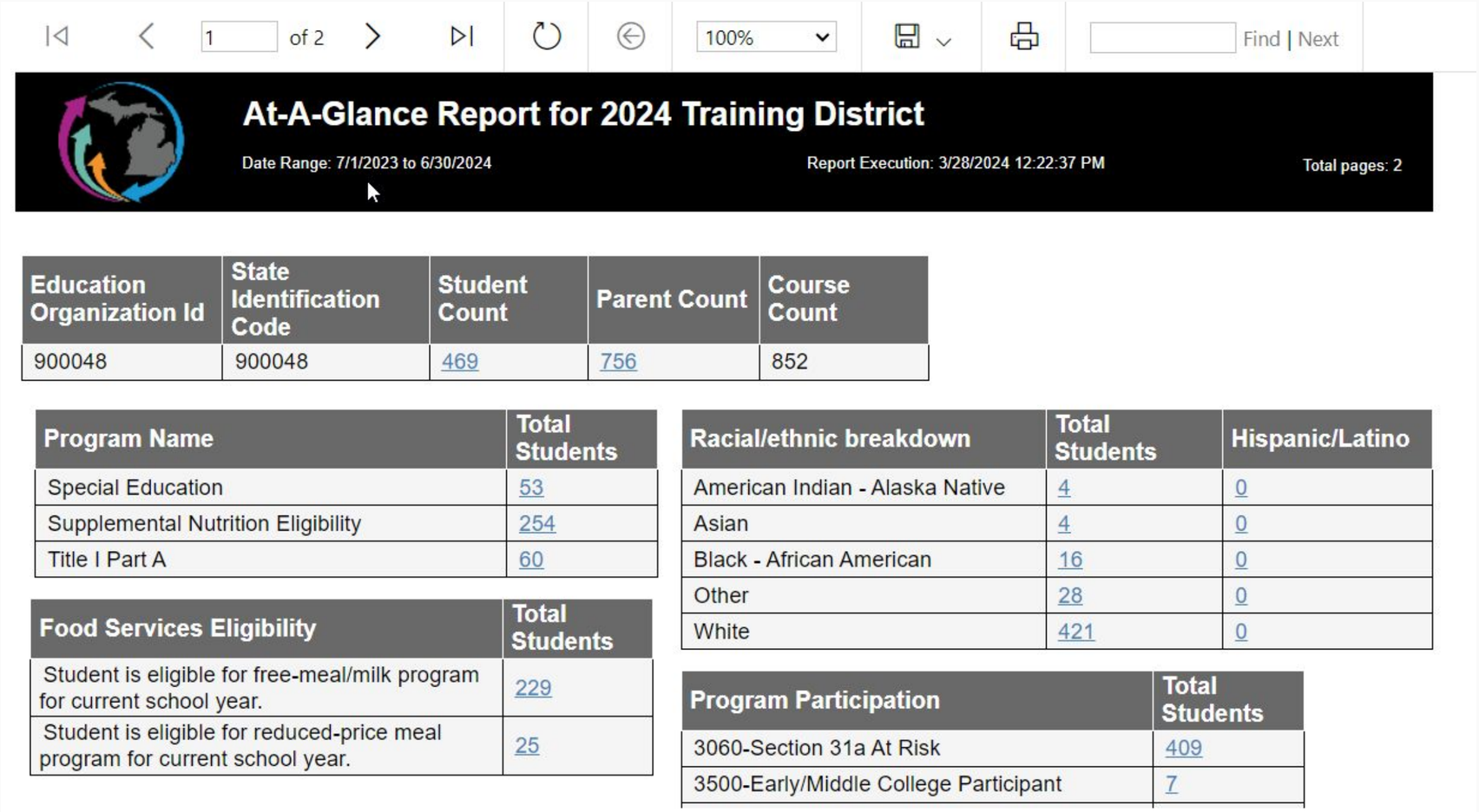
EEM ENTITY MAPPING

Comparing ODS and EEM data for districts and schools.

ROLE VALIDATION

This report displays the staff classification of users imported by your SIS, useful for MiLearn authorizations.

At a Glance Report



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	469	756	852

Program Name	Total Students
Special Education	53
Supplemental Nutrition Eligibility	254
Title I Part A	60

Food Services Eligibility	Total Students
Student is eligible for free-meal/milk program for current school year.	229
Student is eligible for reduced-price meal program for current school year.	25

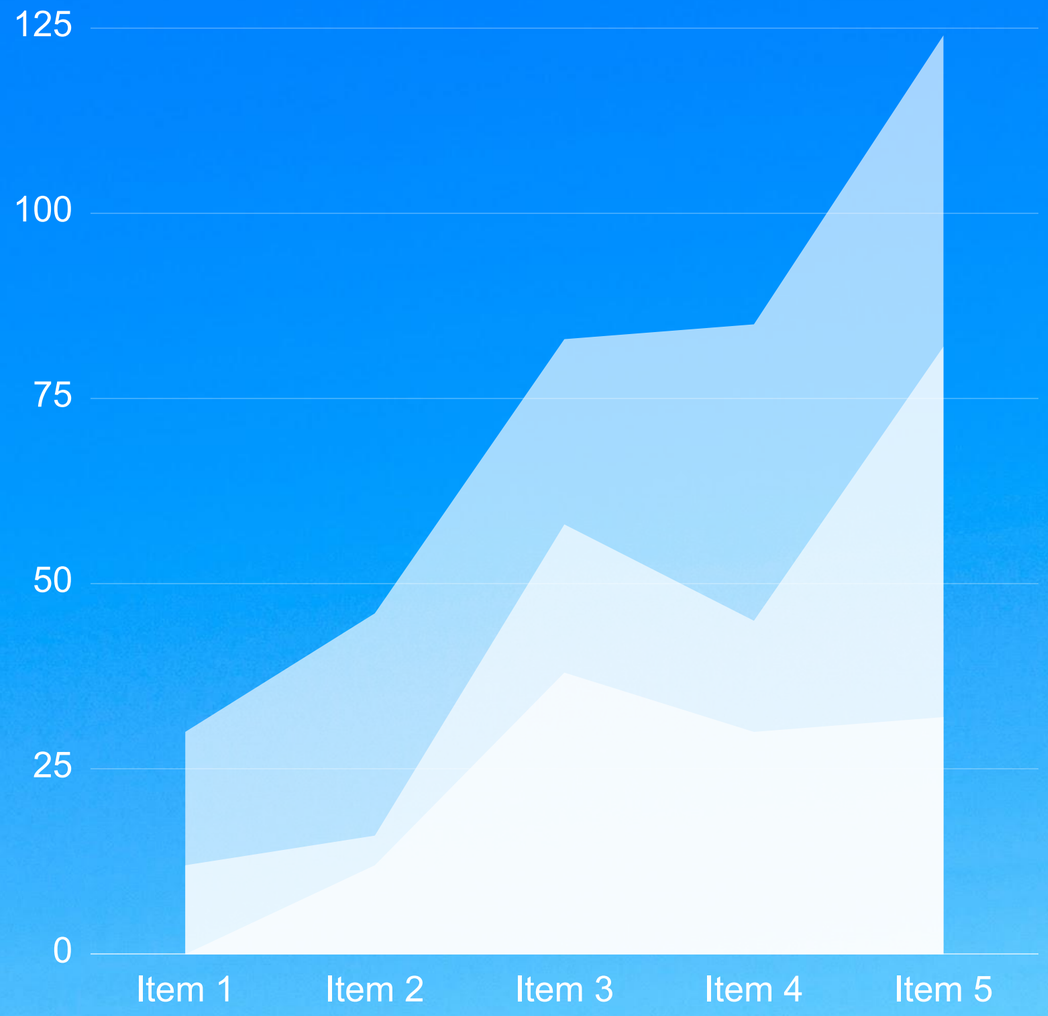
Racial/ethnic breakdown	Total Students	Hispanic/Latino
American Indian - Alaska Native	4	0
Asian	4	0
Black - African American	16	0
Other	28	0
White	421	0

Program Participation	Total Students
3060-Section 31a At Risk	409
3500-Early/Middle College Participant	7

SPILL THE TEA ON YOUR FINDINGS

Every now and then, we crave an extra data fix

Let's sail into the uncharted waters of custom exports!



Export Sets That are Ready to Go

01

MANAGE CUSTOM EXPORTS

You can find it under the Reports section.

02

SELECT QUERY TAG

Take your pick from the handy drop-down menu of categorized export bundles.

03

CREATE EXPORT SET

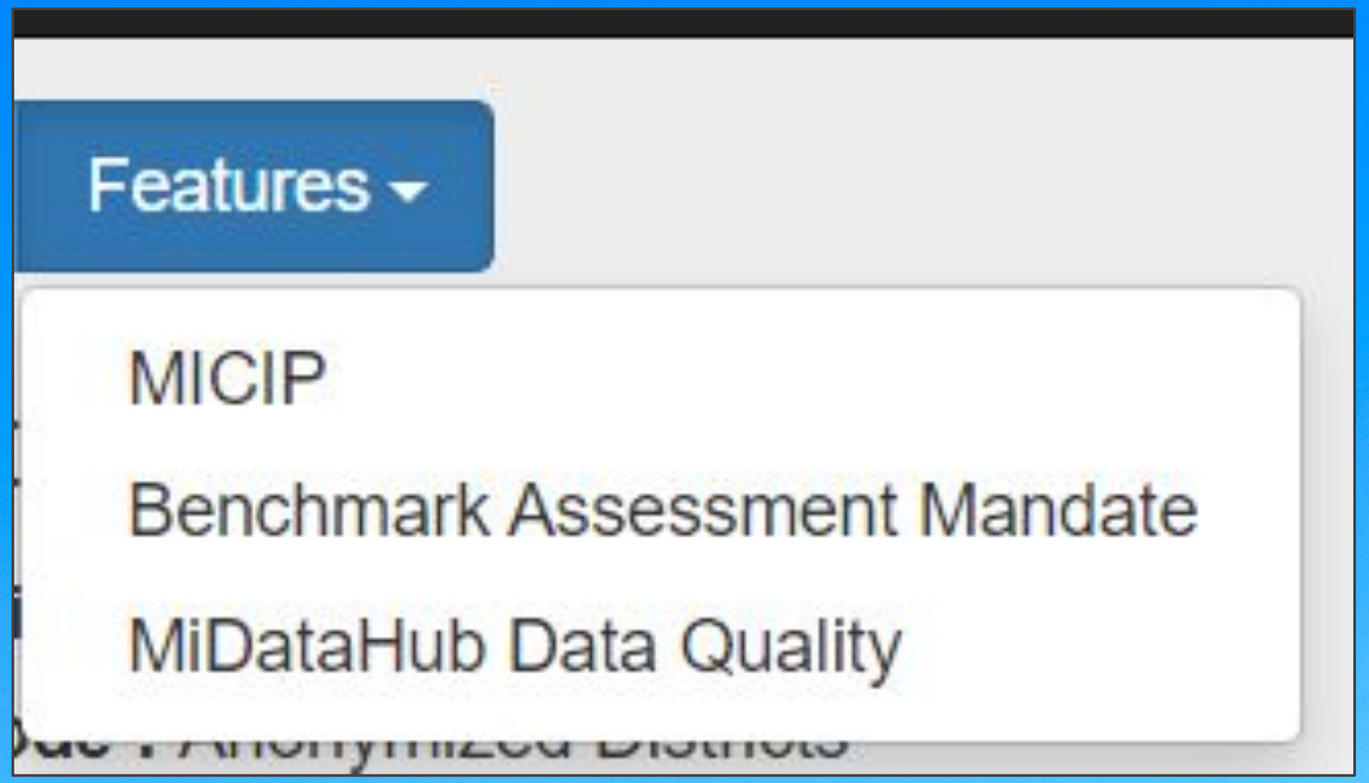
Sit back and let the magic unfold as all pre-built templates in the set are loaded.

04

SELECT AN EXPORT TO EXECUTE.

If you're feeling spicy, give that pre-written query a makeover!

Features/Dash boards help you identify data quality issues



Why Does Data Quality Matter in MiDataHub?

Legislative and Statewide Initiatives

- **Statewide Initiatives**
  - UIC Services
  - Snack Pack
  - MiLearn
  - MiEWIMS
  - MiRead
  - MiStrategyBank
  - MiSERC

- **Legislative Initiatives**
  - Benchmark Assessments
  - 23G Reporting

- **STATE REPORTING**
  - MiCIP
  - State Benchmark Assessments
  - MSDS Reporting
  - CEPI Modernization

It's time to decide who gets to join you in the cockpit!

Roles in the Cockpit

TECHNICAL CONTACTS
HOLD THE POWER TO MAINTAIN USERS AND INTEGRATIONS AND RUN DATA QUALITY REPORTS

DATA STEWARDS
CAN RUN DATA QUALITY REPORTS

WHICH POSITIONS IN YOUR DISTRICT COULD USE THESE REPORTS TO THEIR ADVANTAGE?

K12 Service Desk

MiService Desk

Oakland Schools

K12 Fiber Transport

sen STATE EDUCATION NETWORK

Genesee Intermediate School District

Kalamazoo RESA inspiring educational excellence

Ottawa Area ISD Learn. Serve. Lead.

MiCHDEV

MAISA MICHIGAN ASSOCIATION OF INTERMEDIATE SCHOOL ADMINISTRATORS

MiCH IT

K12 Application Development

K12 Data Interoperability

Kalamazoo RESA inspiring educational excellence

MICHIGAN DATA HUB

Kalamazoo RESA inspiring educational excellence

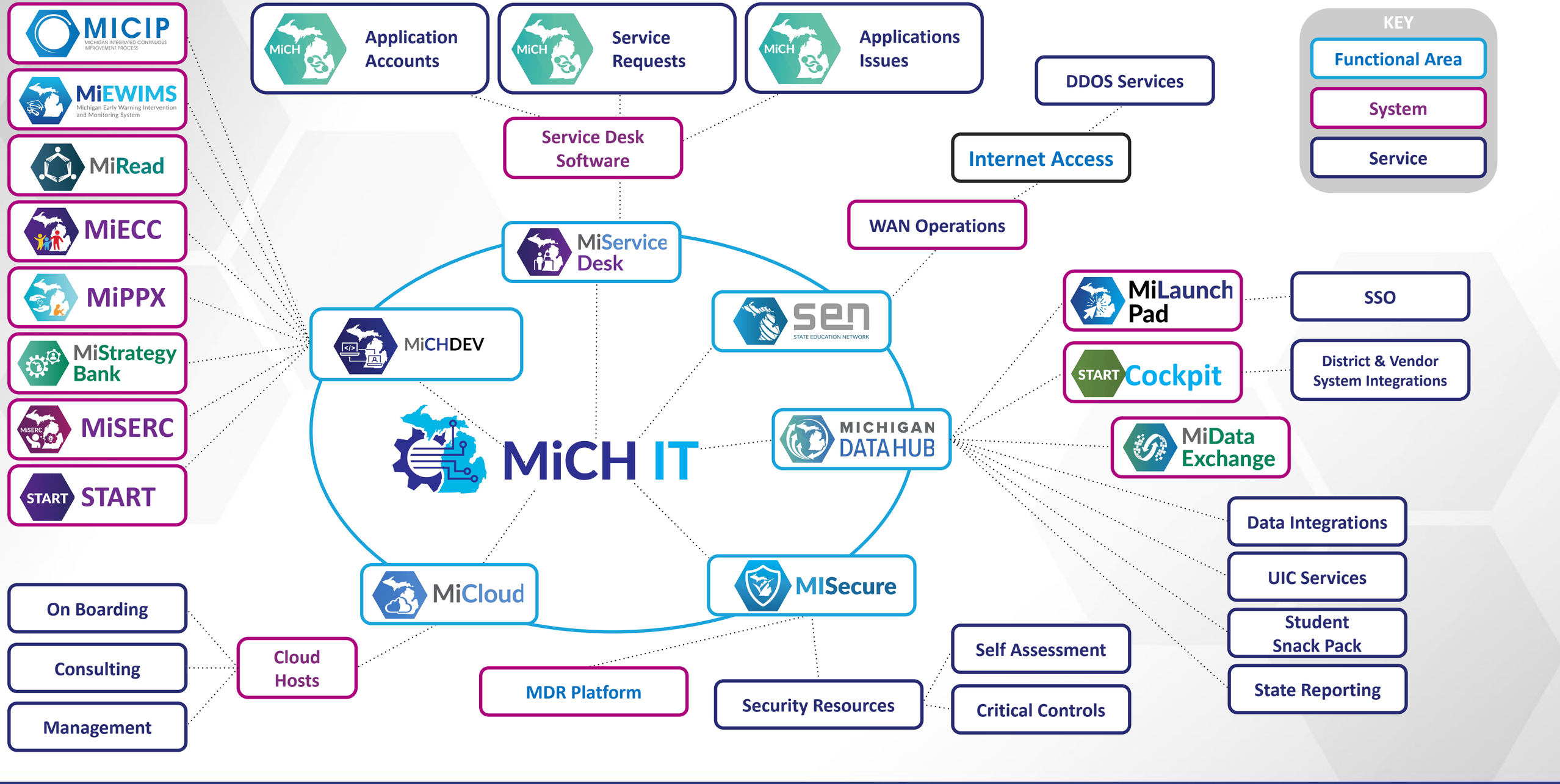
K12 Cloud Hosting

MiCloud

K12 Cyber Security

Ingham Intermediate School District

MISecure


MICIP
MICHIGAN INTEGRATED CONTINUOUS IMPROVEMENT PROCESS
MiEWIMS
Michigan Early Warning Intervention and Monitoring System
MiRead
MiECC
MiPPX
MiStrategy Bank
MiSERC
START
Application Accounts
Service Requests
Applications Issues
Service Desk Software
DDOS Services
Internet Access
WAN Operations
MiService Desk
MiCHDEV
sen
STATE EDUCATION NETWORK
MiCH IT
MICHIGAN DATA HUB
MiLaunch Pad
SSO
START Cockpit
District & Vendor System Integrations
MiData Exchange
Data Integrations
UIC Services
Student Snack Pack
State Reporting
MiCloud
MISecure
On Boarding
Consulting
Management
Cloud Hosts
MDR Platform
Security Resources
Self Assessment
Critical Controls
KEY
Functional Area
System
Service

MICHIGAN DataHub

Need a helping hand when you return home?

Introducing Our Help Desk Portal

https://miservicedesk.com

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QUESTIONS