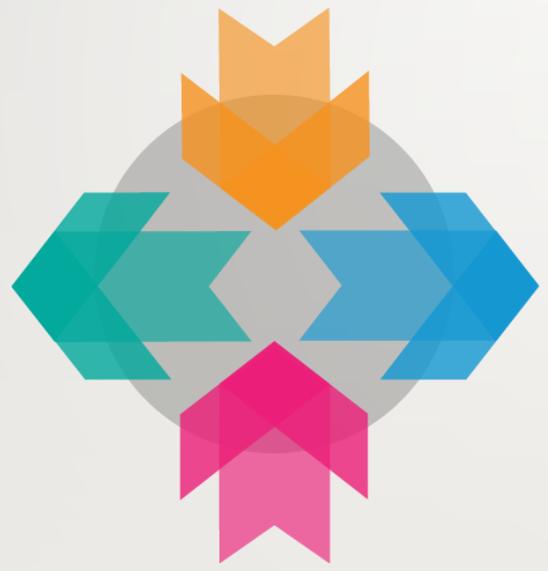
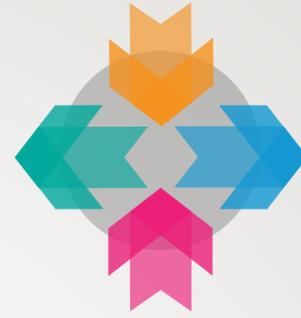




Michigan Data Hub House Testimony



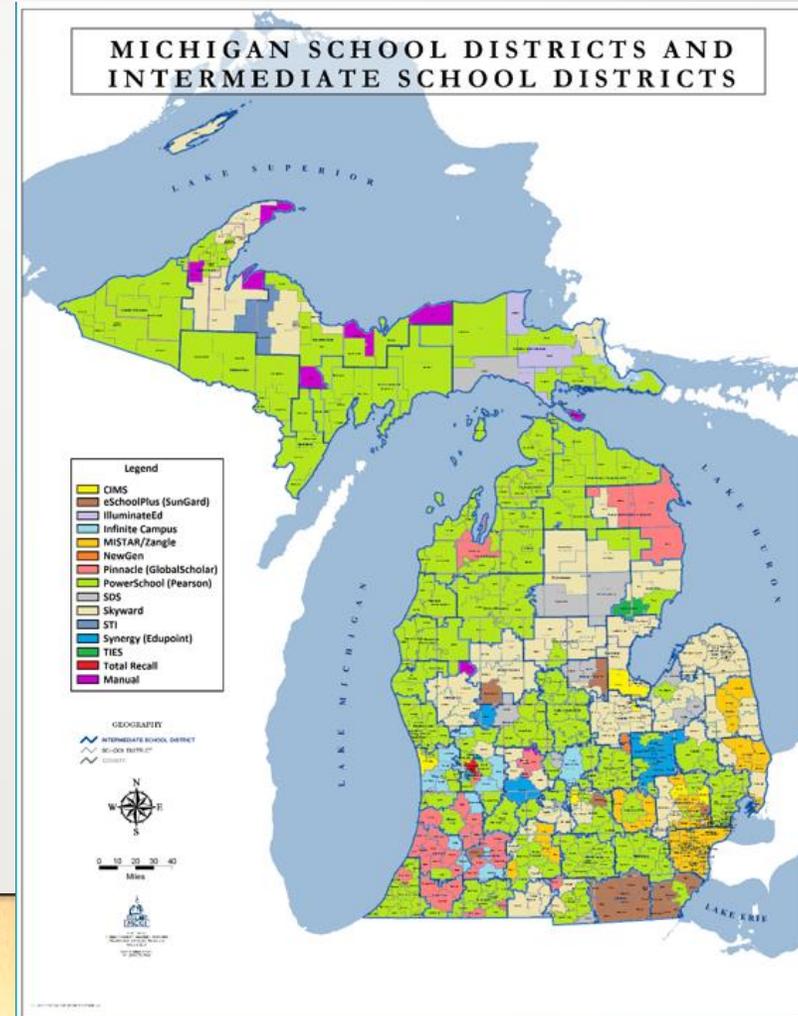
M I C H I G A N
DataHub



M I C H I G A N
DataHub

What is the Michigan Data Hub?

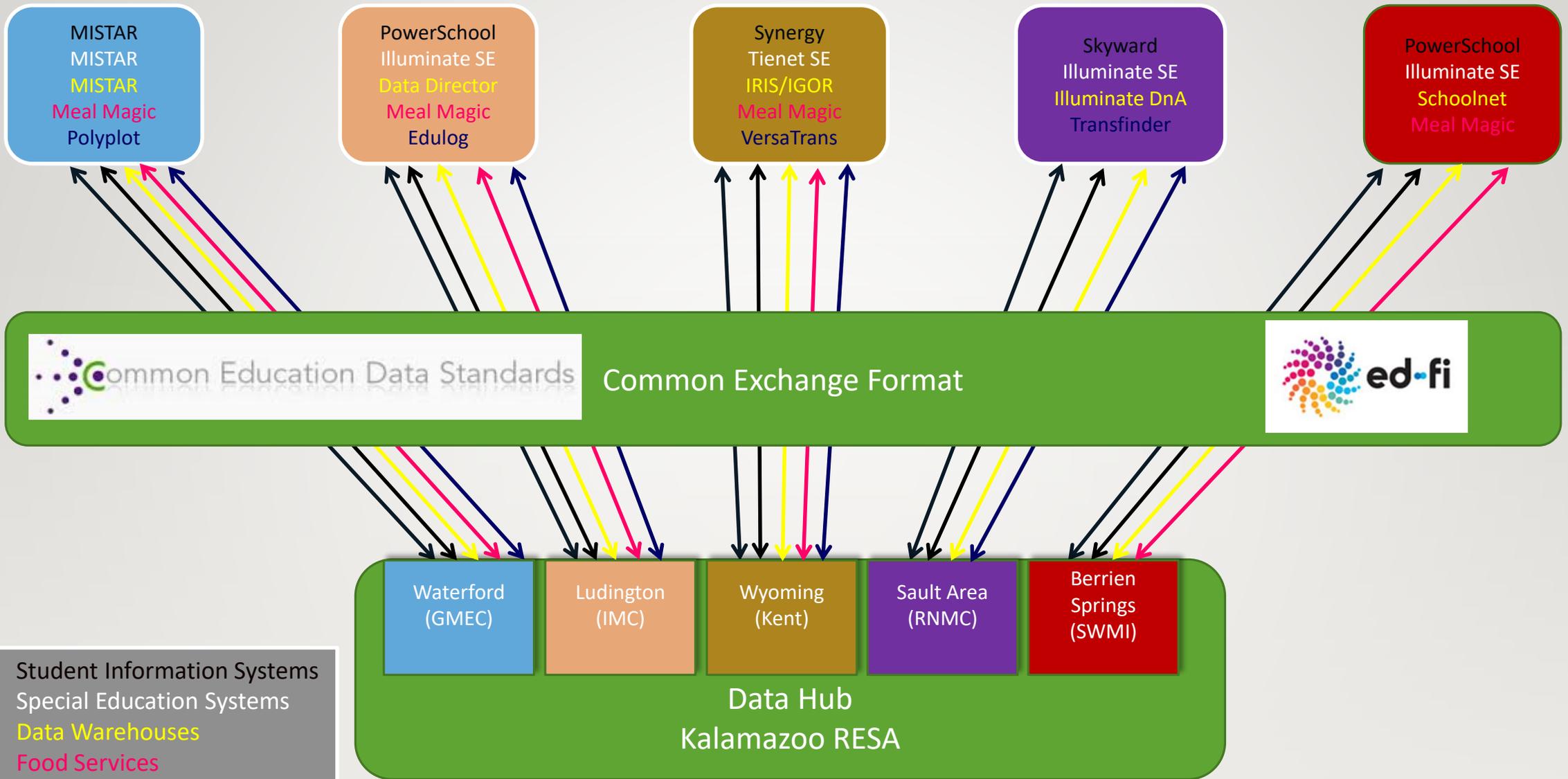
- Standards-Based Exchange of Data
- Local Control and Stewardship of Data
- Collaborative Effort
- A Network of Data Hosting Locations



Data Integration Activity Vision



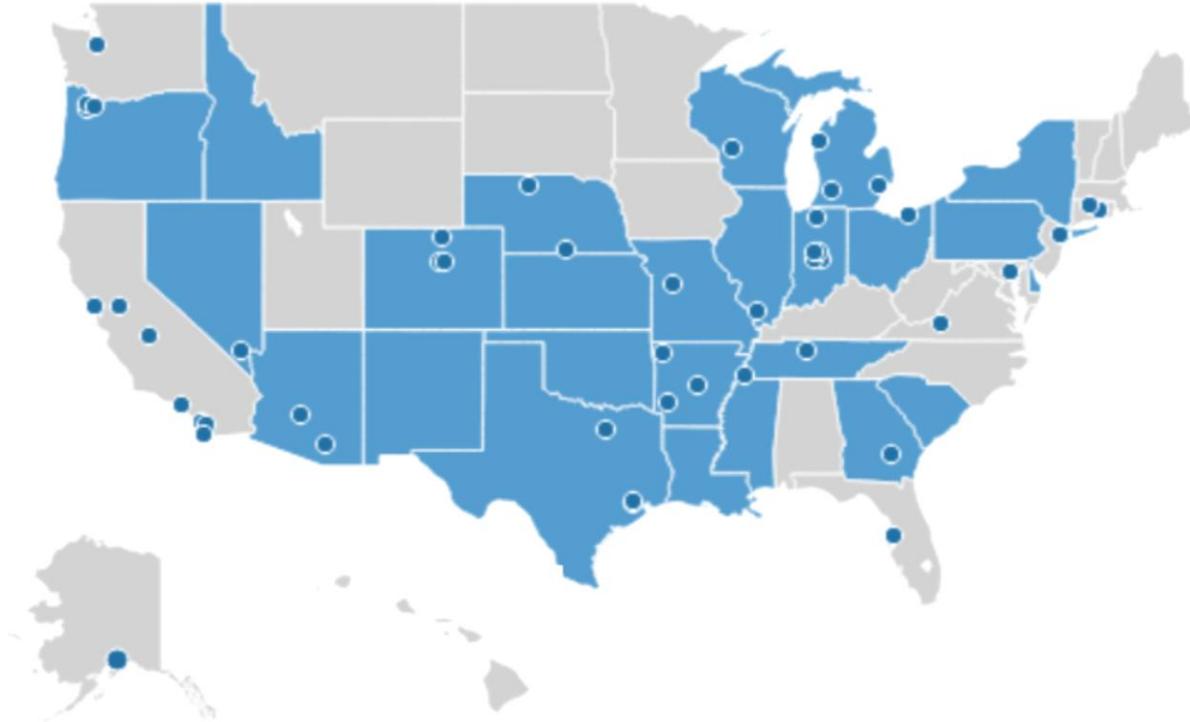
The Data Integration activity is designed to streamline the use of educational information statewide through common data & common solutions



KEY: Student Information Systems
 Special Education Systems
 Data Warehouses
 Food Services
 Transportation Systems

How the Michigan Data Hub Works

States and Districts Licensed as of 7/18/2016



30.7M (62%)
students

2.0M (63%)
teachers

10.9K (64%)
districts

26 (51%)
states (+ D.C.)

Total US
students:
49.9M

Total US
teachers:
3.1M

States and Districts Using the Ed-Fi Solution

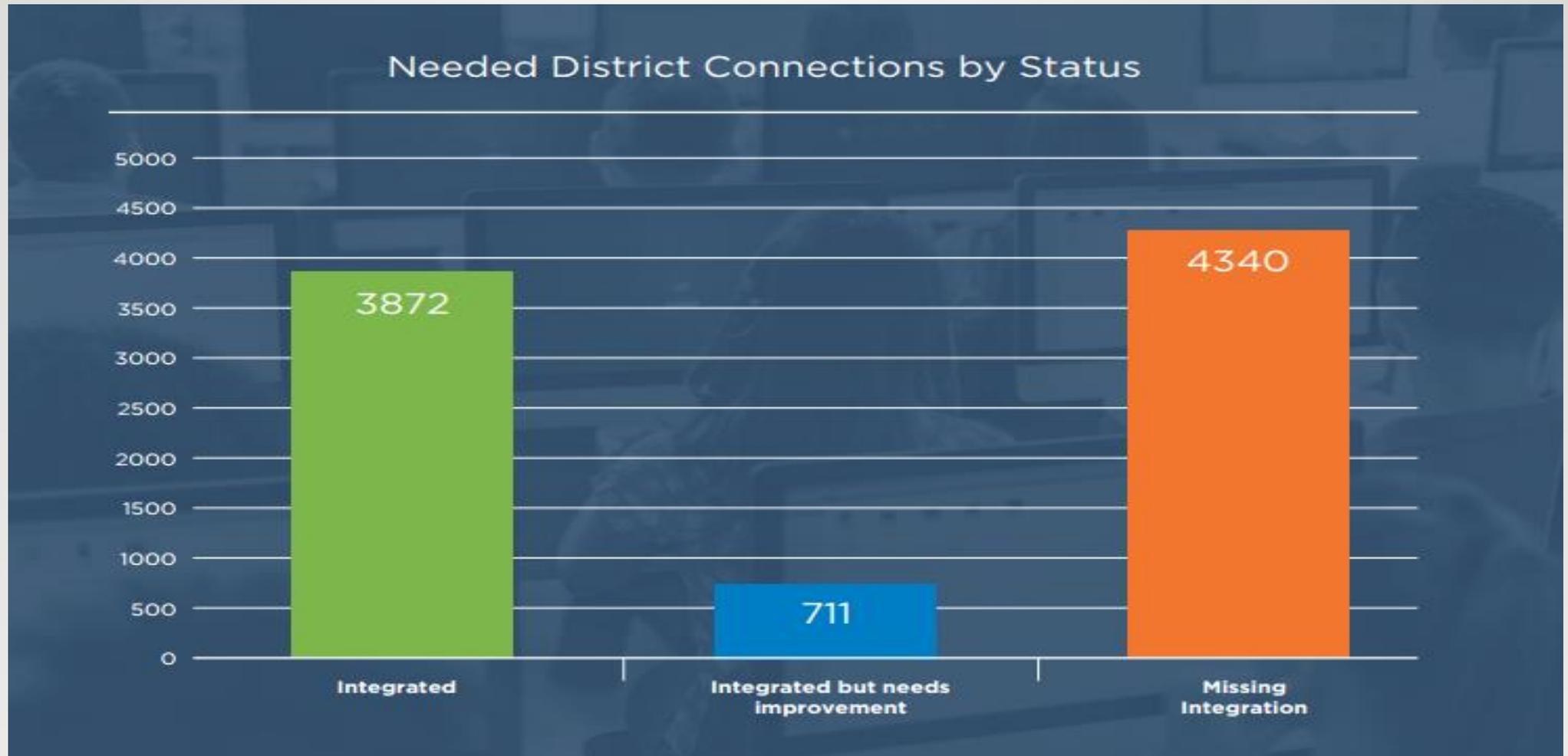
What problems does the project address?

1. Reduce the cost of data management on Michigan Taxpayers
 - Duplicate work in data integration, estimated savings of \$23.31M
 - Need for integration of additional systems, estimated savings of \$16.76M
 - Streamline and partially automate state and federal reporting, estimated savings of \$16.27M

A report commissioned in 2016 identified \$56 million in annual savings that would result from continued investment in the Michigan Data Hub.

<http://bit.ly/MIDataHubROI>

ROI Study Results: Integration Needs



The Data Hubs Can save MI Districts over \$56M per year



What problems does the project address?

2. Increase data quality so that data is readily available and useful for district, regional, state and federal purposes
3. Provide actionable data in an equitable manner where all educators have access to the information needed to improve education in their district regardless of size, location or poverty level.



Jennie Bishop

R. Tucker's Homeroom

HAL P

State ID: 604896 District ID: 604896

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Student Information

Academic Dashboard

Early Warning System

Intervention Catalog

Course History

Early Warning System

Jump to subcategory: [Dropout Early Warning System](#)

DROPOUT EARLY WARNING SYSTEM	METRIC VALUE	TREND	STUDENT GOAL	DIFFERENCE FROM GOAL	DETAILS
Summary (Through May 27, 2011) Metrics failing and approaching failing					
■ Metrics Failing	2		0	-2	
■ Metrics Caution	0		0	0	
Attendance (Through May 27, 2011) Percent of days student is in attendance					
■ Daily Attendance Rate	100.0 %		95.0 %	5.0 %	More
Behavior (Through May 13, 2011) Number of discipline incidents					
■ School Code of Conduct	0		3	3	More
■ State Reportable Offenses	2		0	-2	More
Current Course Grades (Through Sixth Six Weeks 2010-2011) Grade as of last grading period					
■ Current Math Grade	46	◀▶	70	-24	More
■ Current Language Arts Grade	75	◀▶	70	5	More

Free Early Warning System and Intervention Catalog



How does this differ from the work of CEPI?

CEPI	Michigan Data Hub
Collects a narrow amount of information mandated for state and federal purposes	Collects a broader amount of information primarily for district usage. Includes a level of data that the State does not have the need or legal mandate to access and control
Collects data at strategic periods throughout the school year	Collects data on a daily and near real-time basis
Data collection may be aggregate in many cases	Data collection is almost always detailed record level information
Widely used and sometimes publicly available data sets	Local control of data and much larger volume of sensitive PII data
Data specifications tailored to state data needs	Data specifications allow districts to have system variety, cross-system integration, actionable data and more efficient state reporting

Story	Detail
“Plug and Play Integration”	Burr Oak Community Schools was able to implement a new alert system through the data hubs in 5 minutes. Typically, integrations take days, weeks or months.
MDE MiLEARN Initiative	MDE was able to pilot the MiLEARN system with two different SIS Systems in under 6 months through the use of data from the data hubs as well as the data hub SSO. The data hubs make all systems look the same, dramatically simplifying the process and saving time and money on integration. Support for a third SIS is in process and 12 districts are live on MiLEARN. These numbers will grow dramatically in upcoming months.
Free Early Warning System (EWS) and Intervention Catalog	Delta-Schoolcraft ISD and its districts had spent \$60,000 in the 15-16 school year to implement a data warehouse with a primary goal of implementing an EWS. Due to integration challenges, that work was never implemented. In 2 hours, the data hub integration was configured for Manistique Area Schools, a metrics build was completed in under 2 hours, and the district had a fully functional EWS with Intervention Catalog. The districts in the ISD service area were very excited and are also pursuing data hub integration.

A Few Selected Success Stories



The Bottom Line

For less than 4% of the total TRIG investment the legislature made, we see extremely high ROI possibilities. For about \$1.50 per student, the returns of funds to the classroom will be huge IF districts are encouraged to participate. With 33% of districts signed on already, a minimal continued investment instills districts with confidence that the effort will move forward.

Maybe it's not always about
trying to fix something broken.
Maybe it's about starting over and
creating something better.

Implementation Progress

Item	#
Signed up or e-signed agreement	302 Districts
Signed but not capable	13 Districts
Districts that are capable	289 Districts (32.3%)
Students represented	680,228 (45.8%)
Schools represented	1,637
Districts provisioned	166
Districts live	88

More Information:

TRIG Data Integration Activity
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