Leveling the Technology playing Field: Ed-FI and the Equity Case for Interoperability

2018 NCES STATS-DC Data Conference

Friday, July 27, 2018

Leading for Equity:
Opportunities for State Education Chiefs

CCSSO Equity Commitments

- Prioritize Equity
- Start from Within
- Measure What Matters
- Go Local
- Follow the Money

- Start Early
- Engage More Deeply
- Focus on People
- Improve Conditions for Learning
- Empower Student Options

Ed-Fi seamlessly and securely connects educational data systems.

Watch Video

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Common Language

Ed-Fi surfaces all of your school's systems, tools, and software onto a single platform.

Know Everything

Ed-Fi finally delivers the comprehensive insights teachers need to deliver personalized learning.

Zero Fees

The Ed-Fi data standard is offered with no fees from Ed-Fi —making data integration affordable.

Secure & Protected

At every step, and at all moments, your data is safe and in your control.

Nonstop Improvement

An active community of educators and technologists advance Ed-Fi every day.

Teacher's Choice

Ed-Fi powers the finest technology on the market. Choose your favorite tools.

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WI Data Goals & Background of WISE

1. The high-level objective of WISE is to provide a sustainable, cost-effective, integrated education analysis and reporting system that supports:
   a. Teachers and school administrators making informed decisions to improve educational outcomes and to help ensure every child graduates from high school prepared for both college and career;
   b. Data-informed decision-making at the state, district, school, classroom, and student levels;
   c. Accurate and timely data reporting to meet Federal, State, and local requirements, including EDFacts reporting in which State data is aggregated and reported as required by law to the U.S. Department of Education's national data sets;
   d. Parents and community members, including media, legislators, and community groups, learning more about their schools;
   e. Diagnostic and policy-relevant research;
   f. High security standards that protect student privacy.
2. Implemented Ed-Fi and WISEid, WISEdata, WISEdash starting with 2015-16 for Choice schools, 2016-17 for public schools
3. Continuous improvement and expansion of data collections

WI: Local Focus on Schools & Saving Money

No matter the budget or size, all WI schools can choose a SIS vendor that works well for them and still integrate with WISE

Because Ed-Fi is free, everyone saves money that can be funneled to school and student funds

All school staff have equal opportunities for training, data review, and support

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Priorities & Improvement Connections

Improved validations and submission guidance leads to higher quality data.

Better quality data in WISEdash leads to improved decision-making for classroom and school changes.

Improved data decision-making leads to enhanced student and teacher performance and well-being.

Educational Equity in Michigan

- Ranked #37 in Graduation Rate*
- Ranked #38 in NAEP Math Scores*
- Ranked #31 in NAEP Reading Scores*
- Identified performance gaps in schools
- Identified gaps based on teacher experience
- Plan to Ensure Equitable Access to Excellent Teachers
- Data "haves" and "have nots"

*Source: https://www.usnews.com/news/best-states/michigan

To realize Michigan becoming a Top 10 education state within the next 10 years, the existing structure and system of education must be challenged and reshaped. Michigan must establish an educational system that grants indelible rights for all stakeholders to succeed – a system focused more on what is best for children and their learning. This is a framework of the strategic goals necessary to move Michigan forward.

TOP 10 IN 10 YEARS

putting Michigan on the map as a premier education state

STRATEGIC GOALS

1 Provide every child access to an aligned, high-quality P-20 system from early childhood to post-secondary attainment – through a multi-stakeholder collaboration with business and industry, labor, and higher education–to maximize lifetime learning and success.

2 Implement, with strong district and building leadership, high-quality instruction in every classroom through a highly coherent, child-centered instructional model where students meet their self-determined academic and personal goals to their highest potential.

3 Develop, support, and sustain a high-quality, prepared, and collaborative education workforce.

4 Reduce the impact of high-risk factors, including poverty, and provide equitable resources to meet the needs of all students to ensure that they have access to quality educational opportunities.

5 Ensure that parents/guardians are engaged and supported partners in their child's education.

6 Create a strong alignment and partnership with job providers, community colleges, and higher education to assure a prepared and quality future workforce, and informed and responsible citizens.

7 Further develop an innovative and cohesive state education agency that supports an aligned, coherent education system at all levels (state, ISD, district, and school).

4

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What is the Michigan Data Hub?

- A Collaborative, Statewide Effort to Address Challenges in Managing and Using School Data
- Standards-Based Exchange of Data, Allowing all Systems to Look Like a Single SIS
- A Quick Reliable Way to Connect Data Systems
- Platform for Common Tools and Dashboards
- Local Control and Stewardship of Data
- A Network of Data Hosting Locations
- Funded with $2.2M from Section 22m for Current Year
- Free to Michigan Districts

How Does MiDataHub Help Address Equity?

- The Ed-Fi ODS and API facilitate the aggregation of data from a variety of sources into one place for analysis and use
- All districts have equal access to data, regardless of the talent/skill of their district and ISD staff
- Common tools can be built on top of the solution, allowing for consistent professional development to be delivered statewide
- This enables powerful collaboration between schools, districts, ISDs and state entities like CEPI and MDE

Example 1: MiExcel

- Priority and Focus schools are the lowest performing and have the widest equity gap between high and low performing subgroups
- MDE created a PowerBI dashboard to combine state data with live district data to help those districts self-monitor their progress
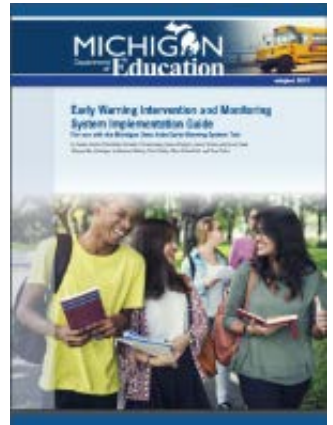
Example 2: MiLearn

- Allows parents, students and educators access to M-STEP and WIDA assessment results online
- Login is facilitated through SIS system portals
- Leverages data hub SSO and utilizes roster data provided by Ed-Fi API
- Addresses issue getting data for students who did not test in district
- Further work to transfer assessment data to ODS nearing completion

Example 3: MiRead/MiStrategyBank

- 3rd Grade Reading Law holds that students are off track to read at grade level need individual reading improvement plans (IRIPs)
- MiRead leverages ODS data to identify students not at grade level and allows for plan creation
- MiStrategyBank has reasearch and evidence-based practices that can be used to address the need
- Plan follows the student as he/she changes districts

Example 4: Early Warning System

- Utilizing the Ed-Fi Dashboards and EWS PlugIn, all districts in Michigan have access to a free early warning system
- Identifies students at risk due to attendance, behavior and grades
- Work with MDE and Great Lakes Comprehensive Center to create Early Warning Intervention Monitoring System (EWIMS)
- Video and online courses developed for statewide deployment
- www.mi.gov/mde-ewims

Nebraska

Nebraska

The NDE will **CHAMPION** educational equity by actively leading the strategic vision, goals, and policy direction to support learning, earning, and living for all students.

The NDE will **REGULATE** educational equity by leveraging policy authority to ensure delivery of high-quality, equitable education and services, beyond compliance with state and federal regulations.

The NDE will **BUILD CAPACITY** around educational equity by directing technical assistance and professional development opportunities and by promoting the sharing of best practices.

The NDE will **BUILD CONNECTIONS** in support of educational equity by bridging the divide between learning, earning, and living, connecting schools, families, business, and communities.

The NDE will demonstrate **CHANGE AGENCY** by exploring and supporting promising new innovations that advance educational equity.

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NEBRASKA INSTRUCTIONAL MATERIALS COLLABORATIVE

Every Nebraska student deserves the opportunity to learn from high-quality, standards-aligned instructional materials to prepare for success in college, career, and civic life. Through the **Nebraska Instructional Materials Collaborative**, the NDE and key partners are committed to providing statewide leadership that informs and supports the decisions made locally related to curriculum and instructional materials. Together, we can collaborate across districts, organizations, and agencies to ensure success. Check out **www.nematerialsmatter.org** to learn more about this important resource that advances equity for all students.

FUTURE READY ◉ NEBRASKA

Future Ready Nebraska is the state's first ever Digital Learning and Ed Tech Plan. It serves as the framework for innovating student learning experiences and adapts technologies and instruction in ways which meaningfully engage the digital generation. As a result, students have equitable opportunities and teachers are trained to provide digital opportunities that promote critical thinking, communication, collaboration, creativity, and innovation. Learn more at: **www.education.ne.gov/educational-technology/future-ready-nebraska/**.

The **Nebraska OER Hub** is a statewide collaboration between the Nebraska Department of Education, Educational Service Units, school districts, and educators with the goal of curating and creating quality open educational resources that are aligned to Nebraska curriculum. Nebraska OER provides open education awareness, resources, support, and training to all educators in the state. Visit: **www.oercommons.org/hubs/nebraska**.

NROC, Hippocampus, and EdReady are resources available statewide that include digital curriculum, learning objects, and online personalized learning supports. EdReady specifically provides reinforcement or development of discrete skills in mathematics and English language arts. The online supplemental resource tool for learning provides users with foundational procedural expectations and is provided free as a service by the Educational Service Unit Coordinating Council (ESUCC) to Nebraska schools. Learn more or sign up at **www.esucc.org/NROCorEdReady**.

The **Nebraska ADVISER Dashboard** is a web-based view of student and staff data that provides educators with a quick and easy way to personalize instruction and make data-informed decisions. The acronym ADVISER stands for "Advanced Data Views Improving Student Educational Response." The Nebraska ADVISER Dashboard consolidates data from multiple systems which enables educators to efficiently analyze large amounts of information to support student learning and inform teaching practices. Learn more about the ADVISER Dashboard at: **www.education.ne.gov/dataservices/education-data-systems/adviser-dashboard/**.