TOP 10 IN 10 YEARS
putting Michigan on the map as a premier education state

MICHIGAN
Department of Education
Support Learning and Learners.
VISION – WHY DATA GOVERNANCE?

Our vision is that all data used by MDE will be managed by the processes established by a governance board.

Within 2 years, there are no more disconnected systems – everything flows in and out of the data stream, staff know what exists, how to connect, and how to utilize the information to Support Learning and Learners.
Data Governance

Data governance is a defined process an organization follows to ensure high quality data exists throughout the complete lifecycle.

The key focus areas of data governance include:
- Availability
- Usability
- Integrity
- Security

This includes establishing processes to ensure important data assets are formally managed throughout the department, and the data can be trusted for decision-making.
New, Isolated Data Requests, creating a burden on districts (e.g. survey)

Data Source System
(e.g. MSDS)

Data Stream
(Data Hubs)

Data Systems capitalizing on Data Stream
(e.g. Data Hubs)
New, isolated data requests, creating a burden on districts (e.g. survey)

Data Source System
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Data Stream

Data Systems capitalizing on Data Stream
(e.g. Data Hubs)
Processes established by the Data Governance Board will eliminate isolated data requests, and the subsequent burden on schools.

Data Systems capitalizing on Data Stream (e.g. Data Hubs)
Roles & Responsibilities of the Data Governance Board:
- Decision Making
- Evaluate solutions
- Prioritization
- Communication
- Escalation point for data definition decisions
Idea is generated from any source (internal or external to MDE)

Executive Leadership

Governance Board

Data Architects

Data Stewards

Data Managers

Evaluate

Existing Solution

Enhance Existing Solution

Proposed Solution

Solutions Work Group

Implement & Communicate to Stakeholders
Leadership Policy/Program Need

Process for determining the validity or utility of data system to support the Policy/Need

IF NO SOLUTION EXISTS:
A cross-functional “Solutions Workgroup” consisting of **Data Managers**, **Data Stewards**, and **Data Architects** work collaboratively to determine options. The Solutions Workgroup aims to capitalize on existing systems to reduce time to production & lower cost of implementation.

**Options are shared with the Governance Board for input, feedback and to determine if further decisions are required.**

**Recommendations are shared with Executive Management.**

The new Policy/program is communicated across the system and implemented with feedback loops.
Technical architecture changes are coming in the not too distant future.
To provide data more quickly to customers

**Current**

- District Public Portal
- District Data Warehouse
- SOM Data Application
- Michigan Data Hub
- Parents
- Students
- Educators

**Future**

- Data Marketplace
- MDE Data Application
- Data Hubs
- District Data Warehouse
- Educators
- Students
- Parents

Mapping

Mapping
Why all this system and data work?

Teachers value data as a door opener with parents.

86% data helps communicate with parents about their children’s performance

85% data gives an objective place to start conversations

And they’re looking for schools to share even more:

75% want their school to do a better job getting parents information about their students’ progress in school

SOURCE: Online surveys conducted within the United States by The Harris Poll on behalf of Data Quality Campaign: May 23-26, 2018, among 762 full-time K-12 grade teachers, May 17-21, 2018, among 914 parents of children ages 5-17, 842 of whom had children attending school, November 6-16, 2015 among 1,093 parents of children ages 5-17, 1,032 of whom had children attending school. For more information, please contact: info@dataqualitycampaign.org
Why all this system and data work?

Parents* value data as a key resource to inform their decisions.

- **95% of parents** support teachers’ use of data to make sure that their students are getting all the support they need, up from 90% in 2015.
- **93% of parents** need data so they can help their children do their best.
- **90% of parents** say a school’s performance rating helps them make decisions related to their child’s education.

*Throughout this infographic “parents” refers to those who have children age 5-17 who are currently in school.*

SOURCE: Online surveys conducted within the United States by The Harris Poll on behalf of Data Quality Campaign: May 23-26, 2018, among 762 full-time K-12 grade teachers, May 17-21, 2018, among 914 parents of children ages 5-17, 842 of whom had children attending school, November 6-16, 2015 among 1,093 parents of children ages 5-17, 1,032 of whom had children attending school. For more information, please contact: info@dataqualitycampaign.org
Questions?