

Client Story

LearningMate Double Line Solves
Very Difficult **Data Challenge**

INDUSTRY

State Department
of Education

SOLUTION

Data Exchange

PROJECT SIZE

Statewide
Solution

CLIENT VALUE

Saving Millions of Dollars
in Data Management

Background

Introducing the Michigan Data Hub, set up to meet an ambitious mission for the Michigan Association of Intermediate School Administrators.

With the aim of turning school data into practical and usable information, the Michigan Data Hub was set up as a collaborative, statewide effort to address a messy network of disconnected systems and data.

The project's advisory committee was committed to a standards-based approach that would improve data flow between systems, making them look and act like a single system. The project also needed to be replicable in other states. But this meant creating a centralized data model and solving complex data issues, which at the time seemed almost impossible.

State of Michigan leaders knew that getting timely, accurate, and actionable data from the myriad of data systems would involve a number of complex steps. They needed a partner who could:

- Identify the scope of the issues
- Find an innovative approach to address identified needs

- Quantify the benefits of the proposed solution
- Implement the improved processes
- Evaluate the effectiveness of the work
- Continually improve the solution

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The Data Hub enables Michigan school districts to save a third in data management costs, with potential savings of \$56 million per year.

The Solution

Enter LearningMate Double Line, the data arm of LearningMate. Created to give educators good, clean, useable data, LearningMate Double Line specializes in complex and seemingly impossible education and government projects.

We started by helping the Michigan team shape their idea into a workable vision, assessing the strengths and weaknesses of different solution architectures and authentication models.

We knew we could use the modern Ed-Fi data standard (a set of rules that allow previously disconnected education systems to connect by creating common data integrations) to allow separate district apps to talk to each other, so we planned and built the Michigan Data Hub.

We then developed the Michigan Data Exchange to aggregate data collected by each district into single views that efficiently accommodate meeting state legislative mandates.

Impact & Outcomes

As a result of working with LearningMate Double Line, the Michigan Data Hub has helped Michigan school districts save millions of dollars in data management costs and has since become a model for other states.

Results, efficiencies, and savings:

- 95% of Michigan school districts voluntarily connected to the Data Hub.
- The Data Hub enables Michigan school districts to save data management costs, with potential savings of an estimated \$56 million per year at the state level.
- Over 20 third-party applications can be integrated with the Data Hub (with many more being piloted), which means more data can be collected without schools needing to change systems..

The Data Hub is continuing to expand and integrate with applications developed by independent school districts alongside applications developed by the Michigan Department of Education. A feat that was rare at the beginning of the project.

And the efficiencies aren't just limited to cost savings. Thanks to the Michigan Data Hub, educators, students, and parents no longer have to wait an entire school year for state assessment data as results are now available in near real-time after processing.

Overall, LearningMate Double Line has helped Michigan make better decisions, improve regulatory compliance, and achieve the impossible: a centralized data hub infrastructure for ultimate operational efficiency.