

LEGISLATIVE REPORT

2024-2025

Section 22m

Michigan Data Hub Grant Progress



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Introduction

It has been another incredibly busy year for the Michigan Data Hub team. The focus remains strongly centered on supporting school districts across the entire state to manage data more efficiently and effectively using shared data standards and tight integrations across systems. The small and dedicated team brings much needed support to participants in accomplishing a myriad of activities mandated in law. From benchmark assessment data sharing, to enabling the exchange of data to support struggling readers and learners, to ensuring data can flow between and among tutoring services and schools they serve. If there is a legislative mandate involving the exchange of data, the MDH supports that work to ease the burden on local districts in accomplishing it.

There were leadership changes, team additions, and refreshes to the MDH advisory committee this year. There is no shortage of great talent and eager supporters of this important work. The vision, the direction, and team supporting the MDH make this huge lift possible. It’s an exciting time to be involved in education data management in Michigan. Great things are being planned and coming in the months and years ahead. Thank you for your continued interest and support of this incredible work!

Thomas Howell

Executive Director

Michigan Department of Technology, Management and Budget
Center for Educational Performance and Information (CEPI)

Goal Summary

MiDataHub continues to deliver on its mission of improving educational data management across Michigan. Below is a summary of the eight goals set for this year, all of which have been successfully met or exceeded:

☑ *Met 8a Infrastructure*

MiDataHub's infrastructure effectively supports data flow across districts, ensuring standardized data connections.

☑ *Exceeded 8b: Integrations*

We expanded system integrations by adding High Impact Tutoring Companies and new fields required for legislative data reporting.

☑ *Met 8c: Common Applications*

We developed a common application for capturing and reporting 23g data, ensuring seamless data exchange across districts and vendors.

☑ *Near-Full 8d: Adoption*

With 873 out of 875 districts adopting MiDataHub, we are close to full adoption and continue to work on onboarding the remaining districts.

☑ *Met 8e: Data Security*

We collaborated with a committee of state experts to develop an incident response plan, conducted a full security pen test, and implemented an MDR solution, ensuring the security and continuity of operations.

☑ *Met 8F: Actionable Data*

We refined and updated our reports to enhance districts' ability to meet state reporting requirements, simplifying the reporting process.

☑ *Met 8G: Governance Model*

MiDataHub's governance model was strengthened with clear processes, funding, and stakeholder involvement to ensure long-term sustainability.

☑ *Exceeded 8H: Future Initiatives*

MiDataHub proactively prepared to support future legislative initiatives, including the 23g MiKidsBackOnTrack program, and worked with multiple partners to ensure seamless implementation.

Key Insights

This year, MiDataHub achieved significant milestones, showcasing its vital role in Michigan's educational data landscape. Below are the highlights for 2024 with data stats coming from the ROI 2 Study:

Participation and Adoption

- **98% Adoption:** As of December 2024, 854 of Michigan's 875 public school districts are actively using MiDataHub, showing nearly statewide adoption. This is a slight change from 861 of 882 districts in the ROI study, reflecting the changing dynamics of open versus closed districts.
- **New District Connections:** Continued efforts to onboard the remaining districts could potentially save Michigan's schools an additional \$778,000 annually once fully connected, according to the ROI 2.0 study.

Cost Savings and ROI

- **Annual Savings:** MiDataHub delivered between \$41.2 and \$41.8 million in annual savings, including \$31.9 million from streamlined integrations.
- **Efficient Integrations:** MiDataHub integrations cost an average of \$3,711, significantly lower than \$7,532 for non-MiDataHub integrations.
- **Exceptional ROI:** Achieved an ROI of 830%-843%, equating to \$25-\$26 in savings per student annually.

** Based on the Michigan DataHub ROI 2.0 report. This report can be found on our website at www.midatahub.org.*

Streamlined Legislative Reporting

- **23g MiKidsBackOnTrack:** MiDataHub supported reporting requirements by:
 - Collaborating with over 30 High-Impact Tutoring Vendors to educate them on Ed-Fi APIs.
 - Working with MAISA, the MiMTSS TA Center, and MDE to design effective data collection and reporting methods.
 - Assisting SIS vendors in enabling districts to track students receiving tutoring services and how 23g funds were utilized.
- **Benchmark Assessment Funding:** Streamlined reporting saved districts time and facilitated \$31.5 million in funding over three years.

Data Security and Governance

- **Enhanced Data Quality:** Real-time updates and integration management tools improve data accuracy and usability.
- **Strengthened Security:** Continued investments in tools and practices ensure compliance with privacy and security standards. Leverage the work of MiSecure to add additional security.

Expanded Use Cases

- **Adaptability for Future Initiatives:** MiDataHub is prepared to support future legislative mandates by leveraging its standardized infrastructure.
- **Actionable Data Tools:** Applications like MiRead, MiEWIMS, and MICIP continue to empower districts to make informed, data-driven decisions for student success.

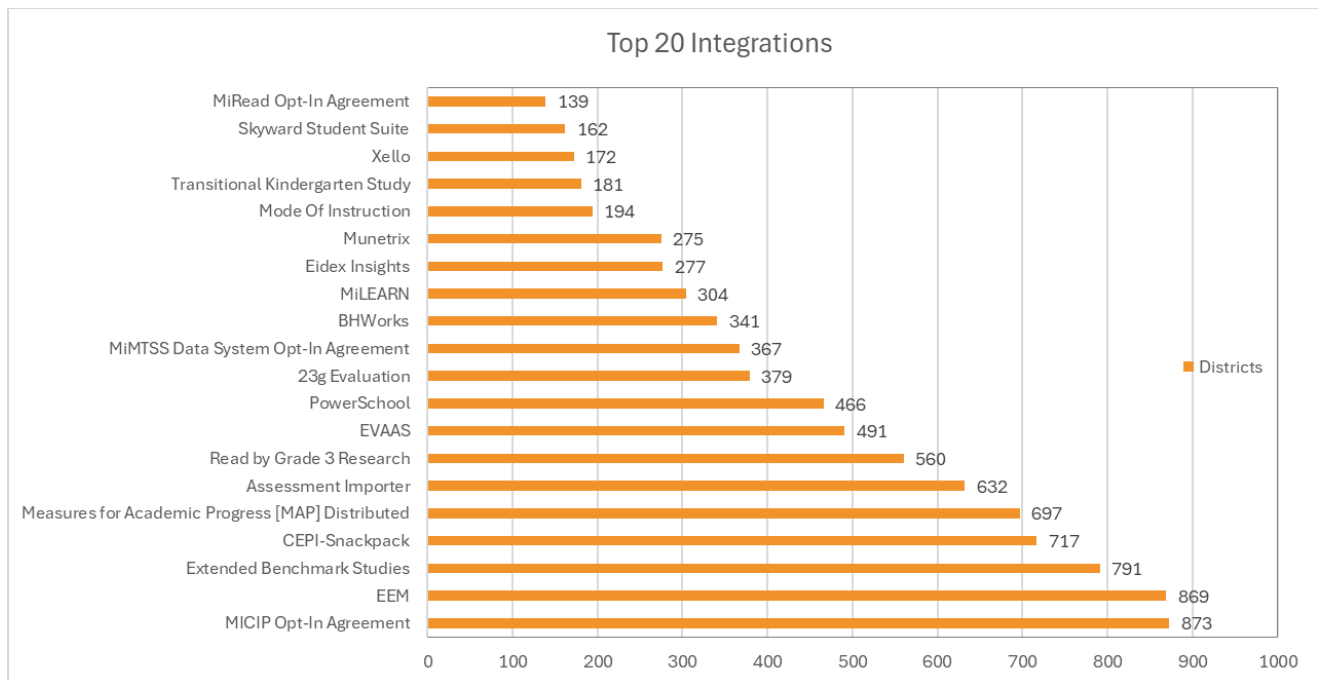
Collaboration and Vendor Engagement

- **Vendor Partnerships:** Partnered with vendors to streamline integrations and ensure statewide interoperability.
- **API-Driven Efficiency:** Broader adoption of Ed-Fi and OneRoster APIs simplified data sharing and expanded compatibility.

These accomplishments demonstrate MiDataHub’s capacity to enhance efficiency, reduce costs, and drive educational success across Michigan’s schools.

Top Integrations

Our top 20 integrations represent the Michigan Data Hub’s layers of support for various use cases, including data integration, rostering, research, actionable data projects, legislative initiatives, and support for MDE and CEPI initiatives.



Success At A Glance

MiDataHub Averages more than

10 million
transactions
per day

Over **298,000** UIC transactions processed
for **609 districts.**

Over

73,500
new UICs created

Over

10,700
integrations in use

Over

1.6 million
student records

Number of districts live

854
with a total of 873 signed up

853 districts use MiLaunchPad
to access

18 federated
applications

M-STEP, PSAT and SAT Data
actively transferring for

623 districts

516 districts
have opted into sharing data
via MiDataHub for an IES Grant
to study the effectiveness of the
Read by Grade 3 law

853 districts
have their logins connected
to the MiDataHub SSO

717 districts
have opted in for the Snack-Pack
feature.

Legislative Goal Updates

LEGISLATIVE GOAL 8A

CREATING AN INFRASTRUCTURE THAT EFFECTIVELY MANAGES THE MOVEMENT OF DATA BETWEEN DATA SYSTEMS USED BY INTERMEDIATE DISTRICTS, DISTRICTS AND OTHER EDUCATIONAL ORGANIZATIONS IN MICHIGAN BASED ON COMMON DATA STANDARDS TO IMPROVE STUDENT ACHIEVEMENT.

Summary

The infrastructure continues to evolve and be refined, focusing on effective data management to enhance student achievement. We've concentrated on refining and implementing key features while maintaining a strong foundation.

- **Data Hosting:** The entire ecosystem is hosted in the cloud using Amazon Web Services (AWS) for secure and scalable operations.
- **Ed-Fi Alliance API and ODS:** Aligns with Common Education Data Standards (CEDS), ensuring seamless data integration and reporting.
- **1EdTech OneRoster 1.1:** Enables efficient data sharing between educational systems for rostering use cases.
- **Michigan Data Exchange (MiDX):** Combines multi-district data into a unified resource, powering actionable data projects like MICIP, MiEWIMS, and MiRead.
- **MiLaunchPad:** Provides a centralized entry point for federated applications, enhancing access and usability.

2024 Highlights

Major Upgrade (Major Project): The summer of 2024 marked the completion of a transformative upgrade to MiDataHub's infrastructure, involving the transition to Ed-Fi API version 6.2 and Data Model 4. This milestone, over a year in the making, was the result of extensive collaboration between the entire MiDataHub team, vendors, partners, and other stakeholders. Rigorous planning, coordination, and testing ensured a seamless transition, enhancing system performance, compatibility, and scalability. This upgrade underscores MiDataHub's commitment to staying at the forefront of educational data management, empowering districts with the tools they need for continued success.

AWS Environment: Consolidated server operations and containerized the majority of our applications for improved scalability and efficiency.

Security Validation: Completed a penetration test by a third-party security consultant, affirming the platform's security measures.

Looking Forward to 2025

Application Enhancements: The cockpit application is slated for a code refresh in 2025 and the MiLaunchPad is currently going through preventive code maintenance.

Cloud-First Initiatives: Progressing with the migration to native AWS services, including transitioning SFTP servers to AWS Transfer Family. Further evaluation will be conducted on migrating our code deployment pipeline to a cloud-native solution.

API-First Initiatives: To strategically prepare for the future of the Michigan DataHub, we are aligning all integrations with industry-standard API specifications established by the Ed-Fi Alliance and 1EdTech (OneRoster). This approach not only ensures consistency, scalability, and alignment with best practices but also enhances efficiency, enabling a smoother and more streamlined process for our next upgrade.

Conclusion

MiDataHub's infrastructure is a cornerstone of Michigan's educational data ecosystem, delivering substantial cost savings and operational efficiencies. Supported by cloud-based architecture and standardized tools, the platform ensures scalability, security, and collaboration. These elements provide a sustainable foundation for improving student outcomes and addressing future educational challenges.

LEGISLATIVE GOAL 8B

UTILIZING THE INFRASTRUCTURE TO PUT IN PLACE COMMONLY NEEDED INTEGRATIONS, REDUCING COST AND EFFORT TO DO THAT WORK WHILE INCREASING DATA ACCURACY AND USABILITY.

Summary

The Michigan DataHub continues to refine and expand its infrastructure, enabling seamless integration of school data systems. This approach reduces operational burdens for districts, improves data quality, and facilitates compliance with state requirements. Key integration highlights include:

Student Information System (SIS) Connectivity: Five vendors and six products connected, covering 90% of districts. Non-connected districts can use the MSDS XML Import to load baseline datasets.

State Systems

- **CEPI Portable Records:** Provides student data to new districts, ensuring continuity in services.
- **Direct Certification:** Enables districts to identify students eligible for free or reduced meals, with automated SIS or Food Service integrations.
- **Education Entity Master (EEM):** Provides official district and building data.
- **MiLearn:** Offers a variety of reports directly to districts, parents, and students using single sign-on and integrations available through the Michigan DataHub. Reports target a quick turnaround from testing time to reporting, support multilingual parents and learners with translations, as well as comprehensive reports on state assessments allowing for informed decision-making.
- **State Assessments:** Offers historical data for better instructional planning.
- **UIC Services:** Facilitates accurate UIC lookups within SIS through DataHub pass-through services.

MSDS State Reporting Features

- **Error-Checking and Validation:** Integrated error-checking protocols are designed to ensure student data conforms to MSDS specifications, identifying and flagging discrepancies prior to submission. This not only supports improved data accuracy and compliance but also reduces the strain on MSDS by minimizing excessive file uploads from districts.

- **Comprehensive Data Management Reports:** A suite of reporting tools allows districts to monitor and assess their data. Data Quality Reports facilitate the early identification of data issues, enabling necessary adjustments to maintain data integrity before MSDS submission.
- **Continuous State Reporting:** MSDS functionality supports continuous, real-time reporting, allowing districts to update student data incrementally throughout the year. This minimizes last-minute discrepancies and optimizes readiness for the count window.
- **State Reporting Extracts:** Structured extracts formatted according to the latest CEPI schemas are provided, ensuring data files are ready for seamless upload to MSDS across all major MSDS student data collections.

2024 Highlights

Benchmark Assessments: During the 2023-24 school year, 662 of 693 districts eligible for participation provided data needed for the Benchmark Assessment aggregate through the Michigan DataHub. As in previous years, the Michigan DataHub ensured districts readiness by providing dynamic reports and real time data dashboard analysis all provided within the Michigan DataHub cockpit. Timelines, guidance, and training were also provided throughout the data cycle as appropriate. The DataHub team continually monitors its internal processes to ensure we are providing districts with effective tools providing immediate analysis of each district's readiness. This continuous monitoring includes enhancing dashboards and reports to ensure alignment with the Benchmark Assessment requirements.

2024 Highlights

State Reporting: Successfully producing MSDS submissions for one SIS and piloting features with the remaining systems. Additional development was completed for improved maintainability of the rules engine.

ROI 2.0 Report (Major Project): The report serves as a critical evaluation of MiDataHub's financial and operational impact, reinforcing its value to Michigan's education system. This process took our team and partners more than six months to complete and we worked with stakeholders and districts across the state of Michigan to gather the information needed to complete this project.

This comprehensive analysis highlights the substantial return on investment that MiDataHub delivers year after year, showcasing the cost savings and efficiencies achieved through its standardized infrastructure and centralized data management. With an annual savings of over \$41 million and return on investment (ROI) exceeding \$36 million, the financial benefits of this initiative are both substantial and enduring. The full report can be found on our website.

By streamlining integrations, reducing duplication of efforts, and enhancing data accuracy, MiDataHub enables districts to save significant time and resources. The findings of this study underscore MiDataHub's role as a cost-effective solution for statewide data management, demonstrating its alignment with Michigan's commitment to fiscal responsibility and educational excellence. As MiDataHub evolves, the ROI Study 2.0

provides a clear benchmark of success, ensuring that the platform continues to deliver measurable benefits for the state’s schools, educators, and students.

State Assessment Imports: Achieved record adoption of 637, increasing district participation for leveraging results across connected systems.

UIC Services: 609 districts across the state of Michigan took advantage of the UIC service during the 2024 year. Feedback from this service is frequently reviewed with the Michigan DataHub, CEPI Partners, school districts, and the Student Information System partners.

Year	Active Districts	Searches & Lookups	Newly Generated
2024	609	298,935	73,547

23g MiKidsBackOnTrack: Included working to onboard 30 high-impact tutoring vendors using a standardized data specification to fulfill reporting requirements. With many new vendors entering a space a common data specification was a key component to success.

Looking Forward to 2025

Expanded UIC Services: Supporting the expanded use of UIC services for Early Childhood systems.

ROI Findings: The ROI study provided several key findings and recommendations for the Michigan DataHub. Over the next year, the staff, Advisory Committee, and workgroups will collaborate to analyze these insights and develop strategies to further enhance the ROI and value proposition of the Michigan DataHub.

Conclusion

MiDataHub's integration infrastructure continues to drive substantial cost savings and operational efficiencies for Michigan districts. The ROI study confirms a reduction in integration costs by over 50%, saving \$3,821 per integration. By enabling accurate, real-time data exchange and automating complex processes, MiDataHub supports improved data usability and decision-making statewide. Its expanding capabilities, particularly with 23g tutoring vendors and state reporting enhancements, demonstrate its adaptability and value as a cornerstone of Michigan's educational data ecosystem.

LEGISLATIVE GOAL 8C

PROMOTING THE USE OF A MORE COMMON SET OF APPLICATIONS BY PROMOTING SYSTEMS THAT INTEGRATE WITH THE MICHIGAN DATA HUB NETWORK.

Summary

MiDataHub champions initiatives that promote common applications to enhance reliability, efficiency, and data quality across Michigan's educational ecosystem. Outreach efforts include conferences, training sessions, newsletters, and collaborative partnerships, fostering a unified approach to data integration.

2024 Highlights

Michigan DataHub Conference: The two-day conference gathered stakeholders from national, state, and local levels, including LEAs, ISDs, vendors, and state representatives. This collaborative event inspired innovation, strengthened partnerships, and highlighted MiDataHub's commitment to shared progress within Michigan's education landscape.

Ambassador for Standards Collaboration: MiDataHub played a key role in fostering collaboration between the Ed-Fi Alliance and 1EdTech, advocating for unified efforts to benefit stakeholders. At the 2024 Ed-Fi Summit, both organizations announced plans to work more closely together. MiDataHub has been recognized as a critical stakeholder and invited to planning discussions.

Looking Forward to 2025

State Modernization Efforts: MiDataHub's success in adopting established industry data standards has created an opportunity to further partner with CEPI as it advances its modernization efforts. Aligning these standards will enhance statewide data processing. MiDataHub is committed to supporting CEPI's initiatives, fostering data interoperability, and ensuring seamless system integration to improve educational data management across Michigan.

Leveraging Certification Programs: Advocacy for certification and quality assurance programs from Ed-Fi Alliance and 1EdTech will guide the promotion of high-quality integrations. These efforts will ensure districts benefit from improved data quality and system reliability.

Conclusion

MiDataHub's initiatives to promote common applications have significantly strengthened Michigan's educational data ecosystem. By facilitating collaboration between Ed-Fi Alliance and 1EdTech, MiDataHub is paving the way for broader interoperability and higher-quality integrations. The ROI study underscores the value of standardized systems, which reduce integration costs and enhance data usability. As MiDataHub continues to align with statewide modernization efforts, its leadership will remain critical in driving innovation and fostering partnerships that improve educational outcomes for Michigan's students.

LEGISLATIVE GOAL 8D

PROMOTING 100% DISTRICT ADOPTION OF THE MICHIGAN DATA HUB NETWORK.

Summary

MiDataHub has achieved remarkable adoption, with 850 of 875 districts actively engaged, showcasing its transformative impact on Michigan's education ecosystem. The table of district types—including ISDs, LEAs, and PSAs—demonstrates strong participation, with full commitment from ISDs and nearly all LEAs, reflecting the platform's inclusivity and utility.

Entities	Type	Signed Up		Live Districts		Live Students
		#	%	#	%	#
56	ISD	56	100	50	89.3	51,985
536	LEA	534	99.6	531	99.1	1,535,384
283	PSA	283	100	273	96.5	154,054
875	Total	873	99.8	854	97.6	1,741,423

Continued Efforts to Achieve 100% Adoption

- **District Data Control:** Empowering districts to maintain full control of their data through robust hosting agreements.
- **Diverse Use Cases:** Supporting applications like data integration, rostering, legislative reporting, research, actionable data projects, centralized agreements, and single sign-on.
- **Vendor Engagement:** Regular collaboration with integrated vendors ensures seamless operations and benefits for all districts.
- **Value Proposition:** The ROI study confirms significant savings and efficiencies, demonstrating that districts gain more value than the effort required for participation.
- **Partnerships:** DataHub Advisory and DHSS partnerships remain critical, with monthly meetings driving strategic growth and adaptation.
- **Training and Professional Development:** Ongoing training sessions, webinars, and regional events ensure districts maximize the benefits of MiDataHub.
- **Dedicated Staff:** Expanded staffing to 8 full-time members, with shared support from Kalamazoo RESA, enhances operational capacity.

Highlights for 2024

Legislative Initiatives: Initiatives, such as MiKidsBackOnTrack 23g funding and benchmark assessment reporting, have significantly boosted MiDataHub adoption. By centralizing and automating these complex processes, MiDataHub saves districts time and money while ensuring accurate, standardized data submissions to research partners. This demonstrates the platform's tangible value in streamlining operations and improving student outcomes.

Looking Forward to 2025

Continued Outreach: Outreach and advocacy efforts will focus on overcoming barriers to participation, sharing success stories, and demonstrating the platform's value to non-participating districts. We'll continue telling the success stories of the Michigan DataHub and

working with our partners to continue to maximize the value of the platform.

Integration of Additional Datasets: Work has begun on including additional datasets (special education, workforce, etc) to further complement our robust data model. Additionally, datasets will continue to expand the use and value proposition of participating in the Michigan DataHub.

Conclusion

MiDataHub's adoption rate highlights its success in transforming Michigan's educational data landscape, with 854 districts benefiting from its features. The ROI study underscores the platform's financial and operational benefits, saving districts time and reducing costs. As MiDataHub continues to expand its use cases and datasets, its ability to support innovative applications, enhance reporting accuracy, and foster collaboration will ensure it remains an invaluable resource for Michigan's schools.

LEGISLATIVE GOAL 8E

ENSURING LOCAL CONTROL OF DATA, DATA SECURITY, AND STUDENT DATA PRIVACY.

Summary

MiDataHub prioritizes the security and privacy of student data through a layered security approach and empowering districts to maintain full control over their data.

Key practices include:

- **API Keys/Secrets:** Granular provisioning and management by districts for enhanced control.
- **Data Encryption:** All data is encrypted in transit (SSL) and at rest using AWS and SQL Server encryption.
- **Immutable Backups:** Industry-standard backup protocols ensure data integrity.
- **Authentication via SSO:** Federated Single Sign-On (SSO) supports district-controlled user authentication.
- **District Management:** Districts maintain integrations through the cockpit application and can utilize email alerting to monitor changes.
- **Training and Compliance:** Staff are regularly trained on FERPA and HIPAA, and hosting agreements clearly define data ownership and security standards.
- **24/7 Monitoring:** Continuous monitoring via third-party Security Information and Event Management (SIEM) and Managed Detection and Response (MDR) systems ensures rapid detection of threats.

Highlights for 2024

Depths and Defense Session: A Michigan DataHub Conference session demonstrated the combined efforts of MiDataHub, MiCloud, and MiSecure (97g) to provide comprehensive security.

Security Pen Testing: A third-party penetration test validated ecosystem security after major summer upgrades.

Proactive Planning: Bi-weekly security meetings led by the CISO, AWS team, and third-party vendors enabled real-time vulnerability management using AWS Inspector.

CrowdStrike MDR: The implementation of CrowdStrike Managed Detection and Response (MDR) enhances monitoring and automated remediation for critical resources.

OneRoster Scopes: Alignment with 1EdTech’s security policies enabled certification compliance through improved security scopes.

Management Portal: Vendor and partner onboarding for secure data connection management continues to expand in use.

Looking Forward to 2025

Key and Secret Management: Adoption of automated tools and best practices for lifecycle management and regular rotation.

Proactive Security Strategies: Continued enhancement of security measures to address emerging threats while maintaining robust data privacy protections.

Conclusion

MiDataHub’s commitment to data security and privacy ensures districts retain full control of their data while meeting stringent compliance standards. Highlights from the ROI study emphasize the cost-effectiveness of MiDataHub’s secure, centralized platform, which reduces risks and operational overhead for districts. By integrating advanced tools like AWS Inspector and CrowdStrike MDR, MiDataHub stays ahead of evolving security threats, safeguarding student data while empowering districts to maximize their platform’s value. This layered approach not only protects sensitive information but also builds trust and confidence across Michigan’s education community.

LEGISLATIVE GOAL 8F

UTILIZING THE INFRASTRUCTURE TO PROMOTE THE ACTIONABLE USE OF DATA THROUGH COMMON REPORTS AND DASHBOARDS THAT ARE CONSISTENT STATEWIDE.

Summary

As MiDataHub enhances data quality and availability, its potential to support teaching and learning grows exponentially. Actionable data initiatives “Powered by MiDataHub” enable the development of instructional tools and dashboards, facilitating data-driven decision-making statewide. These initiatives are only possible through MiDataHub’s standardized data and processes.

Key Actionable Data Initiatives

Established Systems (Active Development and Implementation):

- **MiRead:** Supports Individualized Reading Improvement Plans and literacy legislation efforts.

- **MiStrategyBank:** Curates and integrates evidence-based strategies across platforms like MiRead, MICIP, and MiEWIMS.
- **MICIP:** Achieved 100% adoption in 2022, streamlining continuous improvement planning at all levels.
- **MiEWIMS:** Expands early warning systems to identify at-risk students and improve graduation rates, funded for statewide implementation over five years.
- **MiEarlyChildhoodConnect:** Focuses on early childhood data integration.

Emerging Systems (Development or Pilot Testing):

- **MiCoachCompass:** Designed for coaching best practices across content areas.
- **MiSpecialEducationResourceCenter:** Supports special education data management.
- **MiECRollup:** Modeled on the MiDataHub SnackPack, focused on early childhood data aggregation.
- **MiGreatDataLake:** Backed by \$13 million in grant funding, this initiative aims to revolutionize educational data systems, enabling flexible storage and advanced analytics.

Looking Forward to 2025

Statewide Priorities

- **Literacy Support:** Enhanced MiRead tools align with dyslexia legislation passed in 2024.
- **Evidence-Based Strategies:** MiStrategyBank promotes gold-standard strategies to improve teaching and learning.
- **Continuous Improvement:** MICIP integrates curated strategies for high-fidelity implementation of evidence-based improvements.
- **Student Success:** MiEWIMS facilitates early interventions for at-risk students, fostering partnerships with MDE and other organizations to reduce dropout rates.
- **Modernizing Data Efforts:** MiGreatDataLake builds on six years of MiDataExchange work to modernize and expand data systems across Michigan.

Conclusion

MiDataHub continues to exceed expectations by supporting actionable data initiatives that directly impact teaching, learning, and system improvement. The ROI study underscores the financial and operational benefits of leveraging MiDataHub's standardized infrastructure, reducing costs while enabling advanced tools like MiEWIMS, MiRead, and MiGreatDataLake. With additional grant funding and widespread adoption of initiatives, MiDataHub is driving Michigan's educational data systems into a new era, fostering innovation and equity in education through actionable insights and robust tools.

LEGISLATIVE GOAL 8G

CREATING A GOVERNANCE MODEL TO FACILITATE SUSTAINABLE OPERATIONS OF THE INFRASTRUCTURE IN THE FUTURE, INCLUDING ADMINISTRATION, LEGAL AGREEMENTS, DOCUMENTATION, STAFFING, HOSTING, AND FUNDING.

Summary

MiDataHub actively works to develop and maintain a comprehensive governance model to ensure sustainable future operations, covering areas such as administration, legal agreements, documentation, staffing, hosting, and funding.

- **Funding:** Sustained by Section 22m support from CEPI, with Kalamazoo RESA as the fiscal agent. This grant funding underpins MiDataHub's success and longevity.
- **Staffing:** An expanded team, led by the Executive Director, now includes key roles such as a Support Manager, Support Specialist, two Senior Integration Analysts, a Technical Operations Manager, a Senior Database Analyst, and a Senior Developer and Systems Analyst.
- **Advisory and Leadership:** An Advisory Committee, representing districts, sets project priorities, while a leadership team ensures alignment with legislative and grant requirements.
- **Support and Partnerships:** Collaboration with 30+ ISDs provides local support, while strategic partnerships, such as with MAISA's Michigan Collaboration Hub (MiCH), enhance Actionable Data efforts. Legal agreements ensure robust data protection and hosting via AWS cloud services.

Highlights for 2024

Increased Staffing: Additional funding facilitated the expansion of our team, enabling enhanced support for key initiatives such as MiKidsBackOnTrack (23G) and MSDS reporting, as well as strengthening internal development efforts and providing increased assistance to districts, vendors, and partners.

National Recognition: MiDataHub gained national attention, with staff contributing to the Ed-Fi Technical Advisory Group, Ed-Fi Specification Workgroup, and 1EdTech Identity Specification Workgroup. The DataHub Advisory and Regional Support (DHSS) model serves as a case study for other states.

Michigan DataHub Certification Process: To ensure high-quality data publishing to the Michigan DataHub, student information systems performed extensive quality assurance checks ahead of the API 6.2 / Data Model 4 upgrade (summer upgrade) rollout. This enhanced certification strategy will continue to evolve, supporting ongoing growth and improvements in our data quality efforts.

Forward to 2025

Vendor and Partner Success Calls: Regular success calls are being introduced as checkpoints to ensure strict adherence to specifications, enhancing data quality and fostering effective collaboration with vendors and partners.

Conclusion

MiDataHub's governance model exemplifies sustainable operational planning, combining effective leadership, secure funding, and strategic partnerships. By expanding its staff and gaining national recognition, MiDataHub demonstrates its ability to lead and innovate at both state and national levels. The ROI study highlights the efficiency and cost-effectiveness of centralized infrastructure, reinforcing the importance of strong governance in maximizing value for districts. Looking ahead, initiatives like vendor success calls will further strengthen partnerships and ensure continuous improvement, supporting the long-term success of Michigan's educational data ecosystem.

LEGISLATIVE GOAL 8H

EVALUATING FUTURE DATA INITIATIVES AT ALL LEVELS TO DETERMINE WHETHER THE INITIATIVES CAN BE ENHANCED BY USING THE STANDARDIZED ENVIRONMENT IN THE MICHIGAN DATA HUB NETWORK.

Summary

MiDataHub remains committed to proactively identifying and supporting emerging data initiatives. By leveraging standardized environments and specifications such as Ed-Fi and OneRoster, MiDataHub enables seamless integration and fosters innovation to meet the evolving needs of Michigan's education system.

Highlights for 2024

MiKidsBackOnTrack: Expanded the data model to serve as a centralized collection point for implementation data associated with 23G MiKidsBackOnTrack funding, streamlining reporting and improving usability.

MiECC UIC Integration: Initiated planning to integrate UIC codes into early childhood systems, allowing for consistent student identification from their earliest interactions with the education system.

Looking Forward to 2025

Supporting Research Initiatives in Workforce Development: Addressing the increasing demand for comprehensive staff data to support teacher preparation, retention, and workforce development. This initiative aims to leverage data to provide actionable insights and address key challenges within Michigan's education workforce.

Exploration of Emerging Initiatives: Continuously evaluating new applications and legislative opportunities to determine how MiDataHub can further enhance statewide education data systems.

Supporting New Actionable Data Projects: MAISA has recently secured additional funding to advance the MiEWIMS and MiGreatLakes initiatives. Moving forward, we will continue to

explore how the Michigan DataHub can serve as a valuable data pipeline for both projects.

Planning for Future Research Initiatives: With over ten years of data in our ecosystem, we are actively planning future research initiatives. This involves evaluating data retention policies and long-term storage needs to support research efforts for many years to come.

Conclusion

MiDataHub's dedication to evaluating and enhancing future data initiatives ensures the platform remains a critical resource for Michigan's education ecosystem. By expanding its capabilities and embracing emerging priorities like early childhood UIC integration and workforce data, MiDataHub demonstrates its adaptability and foresight. The ROI study underscores the value of MiDataHub's standardized infrastructure in reducing costs and increasing efficiency, making it an essential tool for advancing data-driven decision-making across the state. As MiDataHub continues to evolve, it remains committed to addressing the needs of stakeholders and fostering innovation in Michigan's education landscape.

Transforming Data for Michigan's Future

As Michigan's education ecosystem evolves, MiDataHub remains at the forefront, enabling districts, educators, and stakeholders to harness the power of data. This year's legislative report highlights continued progress, from expanded integrations and enhanced data security to actionable data initiatives and robust governance models.

Key Highlights from 2024

- **98% Adoption:** Nearly all Michigan districts are actively leveraging MiDataHub's platform.
- **Substantial Cost Savings:** Between **\$41.2 and \$41.8 million in annual savings**, with a per-student ROI of \$25-\$26.
- **Innovative Initiatives:** Tools like MiRead, MiEWIMS, and MiGreatDataLake drive statewide improvements in teaching, learning, and administrative efficiency.
- **Data Security Leadership:** Advanced technologies like AWS Inspector and CrowdStrike MDR ensure data protection while empowering districts to maintain control.
- **National Recognition:** MiDataHub serves as a model for other states, showcasing Michigan's leadership in educational data management.

Looking Forward

With eyes firmly set on the future, MiDataHub is preparing to tackle new challenges and opportunities:

- Working to expand early childhood and workforce data sets to address emerging needs.
- Supporting legislative mandates with streamlined, centralized data reporting.
- Enhancing actionable data tools to further empower districts and improve outcomes.

Our Commitment

MiDataHub remains dedicated to innovation, efficiency, and collaboration, ensuring Michigan's schools have the tools they need to succeed. Through partnerships, continuous improvement, and a steadfast focus on student success, MiDataHub is driving the future of education in Michigan.

For more information, visit MiDataHub.org