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MiMTSS Technical Assistance Center and Michigan Collaboration Hub  
April 2021 – Version 1.0

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## MiEWIMS Overview

### What is MiEWIMS?

Michigan's Early Warning Intervention and Monitoring System (MiEWIMS) is a robust and integrated decision-making system to support educators in their efforts to ensure all learners will be engaged in school and on-track for high school graduation. Dashboards and reports provide educators with data to identify areas needing systemic improvements at a district, school, or grade level. In addition, data reports call attention to individual students who are showing early signs that could lead to dropping out of school. Teams examine the underlying causes of risk (push out and pull out factors), match students' needs to systemic and individual interventions, and monitor the impact of those changes. MiEWIMS is designed to be used in the context of Multi-Tiered System of Supports (MTSS) implementation.

### Purpose of MiEWIMS

Early Warning Indicators (EWIs) are data points that district and school staff use to determine which students may be at risk for dropping out of school and how well the school system is supporting students to stay engaged in school. The risk indicators are organized into the ABCs: Attendance, Behavior and Course Performance. These are the specific data points used within an Early Warning Intervention and Monitoring System (EWIMS).

In 2017, the REL Midwest published [findings from a randomized control trial](#) of the Early Warning Intervention and Monitoring System (EWIMS) that indicated EWIMS is a promising strategy for impacting predictors of on-time high school graduation (Faria, et al., 2017). After one year of implementation, EWIMS reduced the percentages of students with chronic absences and course failures in schools that implemented the process, compared to schools that did not.

However, a commonly reported barrier to implementation was difficulty using a data tool, such as an Excel spreadsheet. Locally, districts in Michigan have also reported experiencing barriers with the use of data tools for EWIMS. The MiEWIMS tool is designed to address and eliminate the challenges associated with using stand-alone data tools (e.g., spreadsheets, systems without data integration) for tracking attendance, behavior, and course performance indicators.

## MiEWIMS Project Objectives are:

- To design and develop a robust and integrated information system to support EWIMS implementation in the context of Multi-Tiered System of Supports (MTSS).
- To work intentionally to leverage existing investments (MiDataHub, MiStrategyBank, MiMTSS Data System, EWIMS, EduPaths, etc.).

## Features

MiEWIMS was designed with input from a variety of Michigan educators: district MTSS Coordinators, secondary school principals, data specialists, continuous improvement facilitators, the MiMTSS TA Center, and the Michigan Department of Education. This team of stakeholders designed features of MiEWIMS based on a critical analysis of existing tools (e.g., spreadsheets and export tools developed by the MiMTSS TA Center, National High School Center data tools, MiDataHub EWS dashboard) to leverage the best features of each and develop an information system that is user-friendly, available to educators along the educational cascade (e.g., teachers, principals, district leaders, ISD consultants), and designed to improve data-based decision making. These features include:

- Data views that are updated nightly based on automated integrations using the Michigan DataExchange
- Connected to the MiDataHub, MiDataExchange and [MiStrategyBank](#)
- Design features leveraged from [MiRead](#) and [Michigan's Integrated Continuous Improvement Process \(MICIP\)](#)
- Dashboards (classroom, school, district) as the primary view upon logging in
- Customized views and access by user (teacher, interventionist, principal)
- Student lists that are sortable and can be filtered by multiple variables (e.g., grade level, risk flags, demographic characteristics of students)
- Built-in features for developing and monitoring plans for an entire school, groups, and individual students
- Future integrations with MICIP and the MiMTSS Data System

## Access

Six districts will be involved in initial testing of MiEWIMS during the summer of 2021. Readiness for broader-scale use is anticipated during 2021-22.

At this time, it is the intent for districts and ISDs to be able to access MiEWIMS at no cost or very low cost to the district.

## Product Owners

MiEWIMS is being developed using resources from the Michigan Department of Education (MiMTSS Technical Assistance Center) and Michigan Association of Intermediate School Administrators (Michigan Collaboration Hub).

## Additional Resources

Webpage: [MiMTSS TA Center MiEWIMS webpage](#)

Webpage: [MiMTSS TA Center Early Warning Indicators webpage](#)

Webpage: [Michigan Department of Education EWIMS webpage](#)

Online courses: [EduPaths Courses on EWIMS](#)

Video: [Using Early Warning Indicator Data for Action Planning](#)

### URLs Used in Document

[findings from a randomized control trial](#)

([https://www.air.org/sites/default/files/Infographic-EWIMS-508\\_JR.pdf](https://www.air.org/sites/default/files/Infographic-EWIMS-508_JR.pdf))

[MiMTSS TA Center MiEWIMS webpage](#)

(<https://mimtsstac.org/evaluation/miewims>)

[MiMTSS TA Center Early Warning Indicators webpage](#)

(<https://mimtsstac.org/evaluation/student-assessments/early-warning-indicators>)

[Michigan Department of Education EWIMS webpage](#)

([https://www.michigan.gov/mde/0,4615,7-140-81376\\_83587---,00.html](https://www.michigan.gov/mde/0,4615,7-140-81376_83587---,00.html))

[EduPaths Courses on EWIMS](#)

(<https://www.smores.com/sn6h4-mde-presents-ewims>)

[Using Early Warning Indicator Data for Action Planning](#)

(<https://www.youtube.com/watch?v=0bJAxD1WWs>)

[MiStrategyBank](#)

(<https://www.gomaisa.org/projects/mistrategybank/>)

[MiRead](#)

(<https://www.gomaisa.org/organizations/michigan-collaboration-hub-mi-ch/miread/>)

[Michigan's Integrated Continuous Improvement Process](#)

([https://www.michigan.gov/mde/0,4615,7-140-81376\\_92325---,00.html](https://www.michigan.gov/mde/0,4615,7-140-81376_92325---,00.html))

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