



Michigan Public Health Integrated Center for Outbreak Analytics and Modeling (MICOM)

MICOM is one of 13 members of CDC's Insight Net, and is built on a partnership between the University of Michigan (UM) and the Michigan Department of Health and Human Services (MDHHS). MICOM works with local, state, and federal partners by providing critical data, modeling, analytics, and communication tools for strategic planning and emergency response.

MICOM initiatives to support local data access, analytics, and capacity include:



MI-SUPPORT

The MI-Support team works directly on projects to improve public health emergency preparedness and strengthen capacity, analytics, and modeling capabilities.

Workshops

- Analysis and code workshops tailored to requested technology and skill development needs
- Previous examples: https://micom-hub.github.io/r_workshop_page.html

Support Requests

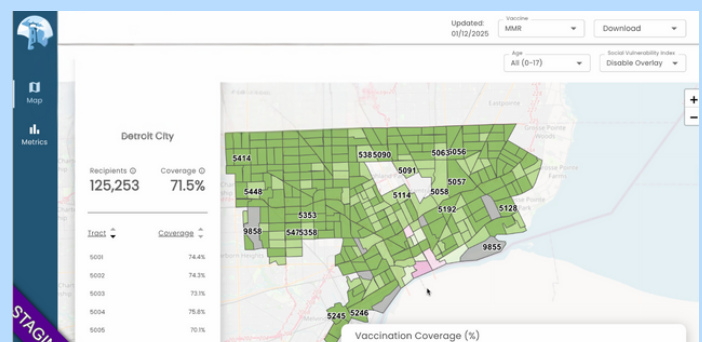
- To submit a MI-Support project request reach out to micom-misupport@umich.edu or use [this google submission form](#)

Project Examples

- Automating report generation from MDSS data downloads
- Building respiratory illness or firearm injury dashboards
- Evaluating vaccination campaign outcomes
- Creating disease forecasting or risk assessment models

MI LIGHTHOUSE

MI Lighthouse is a secure immunization data dashboard for visualization and download of immunization data from the Michigan Care Improvement Registry (MCIR) at state, county, census tract, and individual levels, as well as by demographic categories.



Current Vaccines

MMR
Flu
COVID

Secure Platform

Private account access for MDHHS-authorized users

User-centered Design Approach

Functionality informed by qualitative interviews with user groups