

# Population Health Surveillance and Registry Systems

Altarum Institute is a respected leader and innovator in the delivery of robust and intuitive population health surveillance and registry systems. We understand the complexities of incorporating patient information from multiple sources while providing the tools and functionality to conduct data analysis at the population level. We have hands-on experience with most major EHR products and work closely with interoperability standards organizations. For over a decade, we have been developing systems with the scalability to accommodate millions of patient records for the management and control of disease in large populations. Whether you are looking to manage disease at a state-wide or practice level, Altarum Institute is the trusted and the proven population health systems and registry domain expert.

## REGISTRIES/SURVEILLANCE SYSTEMS

**Michigan's Dental Registry<sup>SM</sup> (MiDR)** provides a web-based platform that facilitates communication between primary care providers and dentists regarding pediatric patient oral health. It is designed to document provided care, and place and track referrals to a dentist as needed.

### The Michigan Birth Defects Registry (MBDR)

collects physician diagnosed birth defect information to enable Michigan's birth defect surveillance team to provide parents and guardians of children with birth defects the resources and support services needed and provides data for studies leading to the treatment and prevention of birth defects.

### NNDC Mood Outcomes Program

Altarum is working with the National Network of Depression Centers (NNDC) to provide a Clinical Repository, Electronic Patient-Reported Outcomes module and research data warehouse designed to improve patient care provided to those suffering with mood disorders.

### The Michigan Syndromic Surveillance System (MSSS)

collects real-time data from Emergency Department and Urgent Care visits statewide to assist state epidemiologists to identify early and monitor potential outbreaks occurring in Michigan.

**Michigan Disease Surveillance System (MDSS)** collects hospital, physician and laboratory reported communicable disease information for state epidemiologists to follow up on patient specific cases, and track and manage the spread of infectious disease.

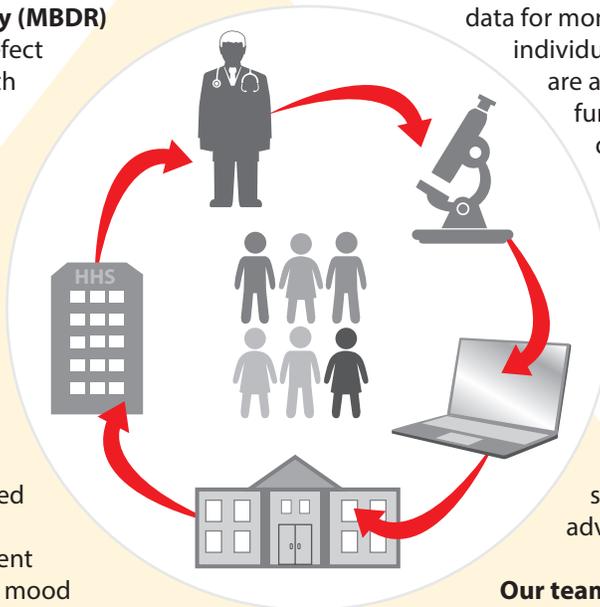
## POPULATION HEALTH MANAGEMENT

To manage the health of a population, state-wide or at a practice level, clinicians and epidemiologists need to be equipped with user friendly tools integrated into their daily work flow. Retrieving data on sub-populations with specific conditions and diseases should be made available with a click of a button. Clear representation of the sub-population's data for monitoring, as well as, screens collating an individual's information for care coordination are a necessity. Robust reporting functionality for data analysis and quality measure aggregation is an essential component of registries and surveillance systems.

**Our experience** in registry and surveillance system development spans over a decade, including large scale systems for state-wide management to registries for focused conditions, i.e. depression and oral health. We design flexible solutions using platforms supporting advanced integration technologies.

**Our team** consists of subject matter experts in all phases of project execution and operations: planning and requirements gathering services; systems design, development; quality assurance testing and onboarding, data integration and validation, end-user and operational support.

**Our value** is our commitment and experience in the design and development of solutions for public health and clinicians to accelerate and improve health care outcomes.



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For further information, please contact:

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