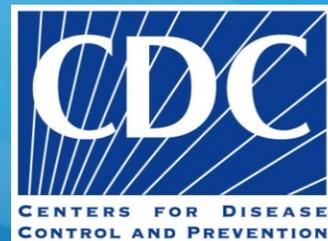


The Office of the National Coordinator for
Health Information Technology



Specialized Registries: New Opportunities for Public Health Agencies

Public Health - EHR Vendors Collaboration Initiative

February 16, 2016

Putting the **I** in Health **IT**
www.HealthIT.gov

CDC EHR Meaningful Use webpage-Public Health – EHR Vendors Collaboration Initiative



URL: <http://www.cdc.gov/ehrmeaningfuluse/public-health-ehr-vendors-collaboration-initiative.html>

The screenshot shows a web browser window with the URL <http://www.cdc.gov/ehrmeaningfuluse/public-health-ehr-vendors-collab>. The page features a navigation sidebar on the left with categories like 'Connect with Others', 'Meaningful Use Community', and 'External Links'. The main content area is titled 'Meaningful Use' and 'Public Health – EHR Vendors Collaboration Initiative'. It includes a 'Community Profile' section with a paragraph about the initiative's goals and a 'Meeting Materials and Schedule' section. The meeting schedule lists monthly webinars on the third Tuesday of each month, with a time range from 1-2:00 P.M. ET to 10-11:00 A.M. PT. Below this, there are 'Monthly Webinar Registration Instructions' and a 'Note' stating that pre-registration is required. The 'Upcoming Meetings' section highlights a 'Special Series of National Webinars on Zika Virus Disease' with a presentation title, date (February 17, 2016), time (1:00-2:30 PM EST), and registration information including a URL: <https://attendee.gotowebinar.com/register/4384296391065977858>. At the bottom of the sidebar, there is a 'Get Email Updates' section with a text input field for an email address.

Specialized Registries

New Opportunities for Public Health Agencies

Specialized Registries Described (2015 – 2017)

Specialized Registries

Case Reporting

- “reportable conditions” as defined by the state, territorial, and local PHAs to monitor disease trends and support the *management of outbreaks*

Public Health Registry

- A registry that is administered by, or on behalf of, a local, state, territorial or national public health agency and which collects data for public health purposes.

Clinical Data Registry

- Administered by, or on behalf of, other non-public health agency entities

Specialized Registry Reporting 2015-2017*

- Eligible Professionals may select 2 different registries
- Hospitals may select 3 different registries
- Cancer reporting is an option for eligible professionals only
- Providers may use electronic submission methods beyond the functions of CEHRT to meet the requirements
 - However, if a standard is named in the ONC standards final rule, it must be used, i.e. cancer reporting, case reporting, antimicrobial use and resistance reporting, health care surveys.
- Clinical Data Registries included
 - Prescription Drug Monitoring Reporting Program
 - National Quality Registry Network inventory

*Alternate Specification: An EP scheduled to be in Stage 1 in 2015 may meet 1 measure and an eligible hospital or CAH scheduled to be in Stage 1 in 2015 may meet two measures.

Public Health Registries and Existing HL7 Standards (not named in final rules)

- Birth Defect Reporting for Eligible Professionals
- Critical Congenital Heart Disease (CCHD) Newborn Screening Reporting for Eligible Hospitals
- Early Hearing Detection and Intervention (EHDI) Reporting for Eligible Hospitals and Professionals
- Birth and Fetal Death Reporting for Eligible Hospitals
- Death Reporting for Eligible Professionals and Eligible Hospitals

Birth Defect Reporting: Why Support?

- One in every 33 babies in the United States is born with a birth defect. Birth defects are the leading cause of infant deaths
- Public health surveillance teams use this data to:
 - Help children get the resources and support services they need
 - Conduct research leading to the prevention and treatment of birth defects
- Many states mandate birth defect reporting. The reporting process is often paper-based
- There is a HL7 electronic standard:
<http://www.hl7.org/Special/committees/pher/projects.cfm?action=edit&ProjectNumber=1112>

CCHD Pulse Oximetry Reporting: Why Support?

- Congenital heart disease is the most common group of birth defects, affecting 9 in 1,000 newborns. CCHDs remain one of the most significant causes of infant death in the United States.
- Public health surveillance teams use the pulse oximetry reports to:
 - Ensure necessary delivery of services and care take place in a timely manner
 - Evaluate guidelines and recommendations for newborn pulse oximetry screenings
- Many states mandate newborn screening for CCHD using pulse oximetry readings. The reporting process is often paper-based.
- There is a HL7 electronic standard:
http://www.hl7.org/implement/standards/product_brief.cfm?product_id=366

EHDI Reporting: Why Support?

- More than 12,000 babies are born each year with congenital hearing loss.
- Public health surveillance teams use this data to:
 - Ensure necessary delivery of services and care take place in a timely manner
 - Develop guidelines and recommendations for newborn hearing screening and early hearing detection and intervention
- There are 43 states with newborn hearing screening regulations.
- There is a HL7 electronic standard:
http://www.hl7.org/implement/standards/product_brief.cfm?product_id=344

Birth and Death Reporting: Why Support?

- Vital Records are used for legal purposes, as well as, providing statistics for clinical research and population health management.
- Public health surveillance teams use this data to:
 - Capture a complete set of demographic and clinical information on newborns
 - Capture a complete set of demographic and clinical information on the deceased
- Birth and Death reporting is required in every state and US territory
- There are electronic HL7 standards:
<http://www.hl7.org/Special/committees/pher/projects.cfm>

Declaring a Registry as “Specialized”

- The Receiving Entity (Public Health Agency) must:
 - Declare readiness to accept data as a specialized registry and be using the data to improve population health outcomes
 - Be able to receive electronic data generated from CEHRT (Manual data entry into a web portal does not count.)
 - Have a registration of intent process
 - Have a testing and validation process
 - Have a process for moving providers to production
 - Document the provider's Active Engagement status
 - Provide appropriate Active Engagement status documentation

Michigan's Specialized Registries

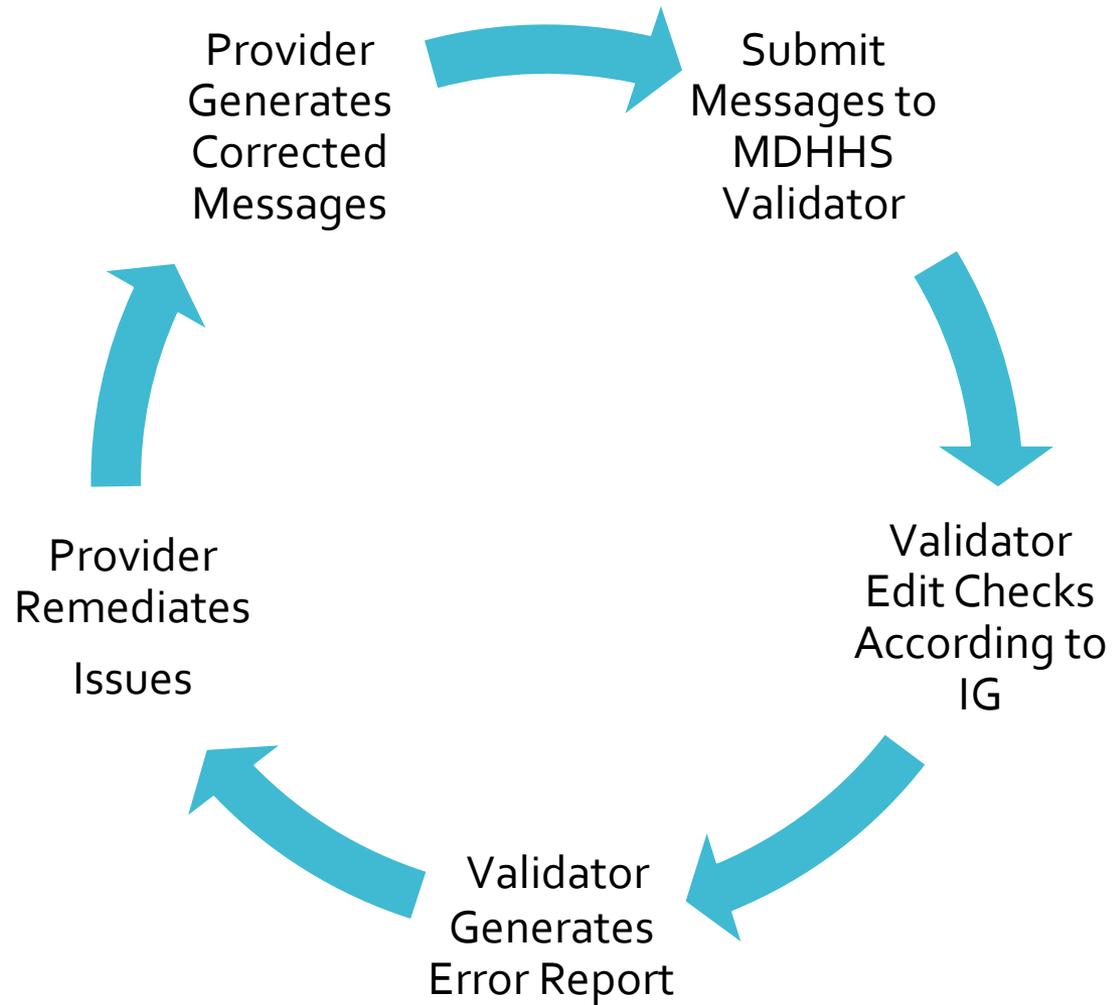
| Michigan's Specialized Registries | | | |
|-----------------------------------|-----|-----------------------|----------------------|
| | EP | EH | Date Available |
| Michigan Birth Defect Registry | Yes | Yes (As of Feb. 2016) | March 2014 (for EPs) |
| Michigan Cancer Registry | Yes | No | March 2014 |
| Michigan's Dental Registry | Yes | No | Feb. 2016 |
| CCHD Newborn Screening | No | Yes | Jan. 2015 |

| Planned Registries for 2017 |
|--|
| Birth and Fetal Death Registry |
| Death Registry |
| Early Hearing Detection and Intervention |

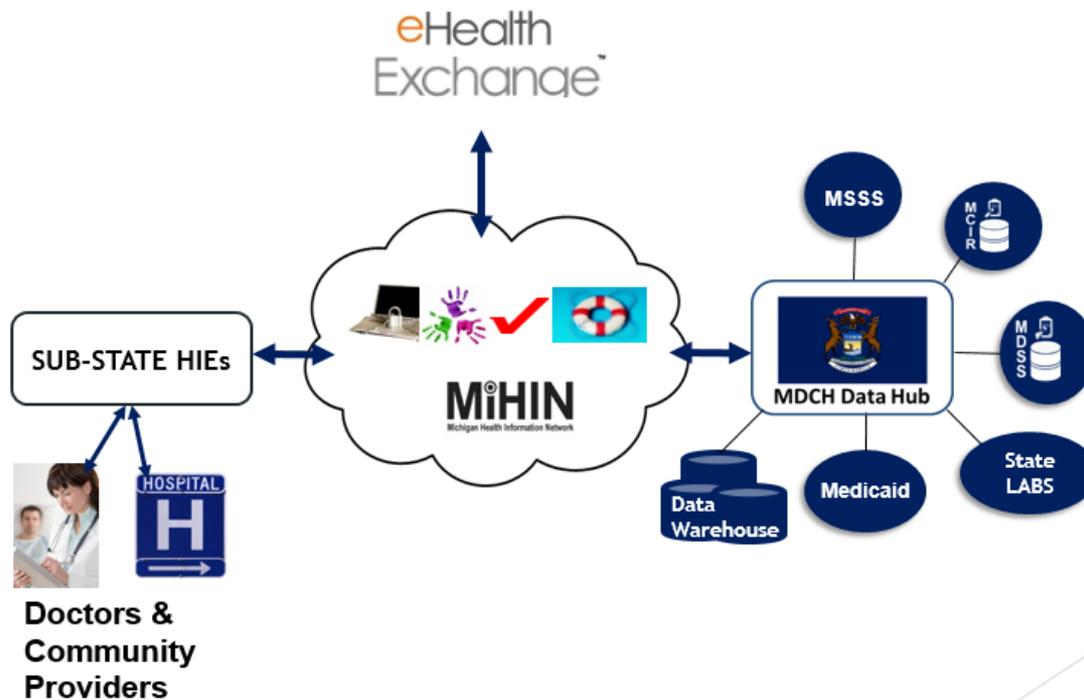
Meeting CMS's Specialized Registry Requirement

- MichiganHealthIT.org
 - ❖ Declare Readiness
 - ❖ <https://michiganhealthit.org/public-health/>
- Michigan's Health System Testing Repository
 - ❖ Registration of Intent
 - ❖ Tracking Active Engagement Status
 - ❖ Providing Active Engagement Status Documentation
 - ❖ <https://mimu.michiganhealthit.org/>

Testing and Validation Process for Data Quality



Able to Receive Data



Specialized Registry Challenges

- Short time frame to declare readiness with the October release of the modification rule and the 60 day registration period for 2016 calendar year
- Varying interpretations of “no certified technology needed” (including cancer)
- Vendor engagement in use cases not named in the final rule(s)
- Provider’s confusion over exclusion eligibility

Successes

- Leveraged systems already in place for:
 - Declaration
 - Registration and Active Engagement Tracking
 - MDHHS Validator
 - Health Information Exchange Infrastructure
- Collaborating with Medicaid EHR Incentive Program and Regional Extension Center (M-CEITA) to recruit
- Collaborating with M-CEITA to assist providers with Specialized Registry questions and concerns

Contact Information

Birth Defect, Cancer and Vital Records

Glenn Copeland

CopelandG@Michigan.gov

CCHD

Kristy Tomasko

TomaskoK@Michigan.gov

Michigan's Dental Registry

Anna McCormick

AnnaGloria.McCormick@Altarum.org

Public Health and Meaningful Use

Kristy Brown

BrownK7@Michigan.gov

Implementing HL7 Standards

Laura Rappleye

Laura.Rappleye@Altarum.org

HL7 Public Health and Emergency

Response Work Group

<http://www.hl7.org/Special/committees/pher/index.cfm>

