NMI Notes January 2016

NMI Notes

CDC CENTERS FOR DISEASE CONTROL AND PREVENTION | CSTE | APHL

NNDSS Modernization Initiative (NMI) — JANUARY 2016

Sent to: State Epidemiologists, Deputy State Epidemiologists, CSTE Surveillance/Informatics and Infectious Disease Points of Contact, and recipients of previous NMI Biweekly External Communication Updates

OVERALL NMI UPDATES

Welcome to *NMI Notes*!

NMI Notes will provide monthly news updates about the National Notifiable Diseases Surveillance System (NNDSS) Modernization Initiative (NMI). It is a collaboration by the Centers for Disease Control and Prevention (CDC), Council of State and Territorial Epidemiologists (CSTE), and Association of Public Health Laboratories (APHL).

If a colleague forwarded this issue to you, we encourage you to subscribe at this link to ensure that you receive future issues of *NMI Notes*.

NNDSS
National Notifiable Diseases
Surveillance System

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Information About Submitting Zika Virus Disease Case Notifications
NNDSS has assigned **event code 11726** to Zika virus disease for reporting jurisdictions to use when sending case notifications.

Jurisdictions should send Zika virus disease data to CDC through the mechanism they currently use to submit Arboviral disease data. Jurisdictions should NOT send Zika virus disease data through the National Electronic Telecommunications System for Surveillance (NETSS) file submission format.

- Jurisdictions who submit Arboviral disease data to CDC through XML upload to ArboNET or direct data entry into ArboNET may submit Zika virus disease data now by using these mechanisms.
- Jurisdictions who use the Arboviral HL7 case notification messages (based upon the Arboviral v1.2 Message Mapping Guide) should not submit Zika virus disease data to CDC at this time. CDC currently is updating and testing our internal systems to ensure that we are ready to receive Zika virus disease data from jurisdictions through this mechanism. The target date for CDC to be able to receive data from jurisdictions is 4:00 PM ET on Tuesday, 2/2/16.

For the latest information on Zika virus disease, please see the CDC Zika virus web site at http://www.cdc.gov/zika/.

NMI Updating Project Timeline
The NMI team is scheduling activities for 2016 with the goal of CDC receiving and provisioning data to CDC programs for the six priority Message Mapping Guides (MMGs) (Generic v2, Hepatitis, STD, Congenital Syphilis, Mumps, and Pertussis) by the end of the year.

Case notifications based upon the priority MMGs will be implemented in stages, starting with Generic v2 and Hepatitis, followed by STD and Congenital Syphilis, and then Mumps and Pertussis.

MESSAGE MAPPING GUIDE DEVELOPMENT UPDATES

Six Priority MMGs Update: The CDC Message Mapping Guide (MMG) development team expects to post the latest pilot test-ready versions of the six priority MMGs by February 2016.

Arboviral and Varicella MMGs Update: The MMG development team is developing draft versions of the Arboviral and Varicella MMGs. The team expects to post a draft version of the Varicella MMG for a 30-day external review by public health jurisdictions, partners, and stakeholders in late February 2016; the team is determining an external review date for Arboviral and will provide that when known.

New MMGs Identified for Development in 2016: In 2016, CDC expects to begin developing MMGs for the following conditions: Malaria, Babesiosis, Measles, Rubella and Congenital Rubella Syndrome, Cyclosporiasis, and Trichinellosis.

CSTE to Provide Feedback Early in MMG Development Process: A recommendation generated from the November 2015 CSTE Surveillance Summit is for CSTE membership to provide consultation to CDC programs as they plan disease-specific data elements for inclusion in MMGs.

When new guides are identified for development, CDC will reach out to the CSTE Infectious Disease Committee and the Surveillance and Informatics Committee to identify disease experts and informatics experts to participate in the process. This process has been initiated for the six new guides identified above for development in 2016.

MESSAGE VALIDATION, PROCESSING, AND PROVISIONING SYSTEM UPDATES

Latest Version of MVPS Deployed in CDC Development Environment: Message Validation, Processing, and Provisioning System (MVPS) 2.0.4 was delivered and deployed in the CDC development environment on 1/18/16. Recent MVPS updates have resolved some outstanding defects (including a LOINC code change) and improved data provisioning (including updated message processing guides and *Morbidity and Mortality Weekly Report* year warning updates).

New Contractors Integrated on MVPS Team: CDC has finalized the integration of new contractors on the MVPS team.

Both the MVPS requirements and development contracts associated with NMI turned over in fall 2015.

- New requirements documentation and development are underway, and all MVPS contractors collectively are developing a concept of operations to determine each contractor's respective roles, deliverables, and timelines.

MVPS UAT Update: Pilot jurisdictions will participate in user acceptance testing (UAT) as MVPS nears deployment. The MVPS test team is identifying enhancements to the current UAT process to increase its overall efficiency.

TECHNICAL ASSISTANCE UPDATES

Pilot States to be Identified for STD and Congenital Syphilis Case Notification Implementation: The CDC NMI team, CDC programs, CSTE, and APHL are working together to identify public health jurisdictions to pilot the STD and Congenital Syphilis MMGs. APHL soon will contact identified states to determine their willingness to participate in the pilot and complete a readiness assessment.

NMI Technical Assistance Capacity to Expand: CDC is working with APHL to expand capacity for technical assistance to support states with implementation once MMGs have been finalized and are ready for implementation.

First NMI eSHARE Monthly Webinar Held: Held on 1/21/16, the first NMI eSHARE monthly webinar provided attendees with an update on NMI, an overview of changes to the pilot test-ready HL7 MMGs, information on the hot topic of the new Zika virus disease event code, and an opportunity for questions and answers.

The next NMI eSHARE event is scheduled for 2/18/16 and will provide an overview of NMI technical assistance.

For more details, please access the new NMI eSHARE web site at http://www.cdc.gov/nmi/eshare.html.

Update on Jurisdiction Implementation: Pilot jurisdictions using the National Electronic Disease Surveillance System Base System (NBS) receive technical assistance from the NBS support team, and non-NBS pilot jurisdictions receive assistance from the APHL TA team.

- **Alabama**: Alabama is testing STD messages by using the Message Evaluation and Testing Service and migrating STD data.
- **Arkansas**: Arkansas is ready to conduct end-to-end testing with CDC for Hepatitis when MVPS is ready.
- **California**: California has completed the data extract for both Hepatitis and Generic v2. APHL currently is building the customized Rhapsody route for California that will create HL7 messages based on their data extracts.
- **Florida**: Florida has completed the test message suites for Hepatitis and is ready for end-to-end testing when MVPS is ready. Florida currently is working on generating Generic v2 test messages.
- **Idaho**: Idaho is ready to conduct end-to-end testing with CDC for STD conditions when MVPS is ready.
- **Kentucky**: Kentucky is ready to conduct end-to-end testing with CDC for Hepatitis when MVPS is ready.
- **Louisiana**: Louisiana is ready to conduct end-to-end testing with CDC for Hepatitis when MVPS is ready.
- **Michigan**: Michigan has completed test message suites for Hepatitis and Generic v2 and is ready for end-to-end testing with CDC when MVPS is ready.
- **Minnesota**: Minnesota has produced data extracts for Hepatitis and Generic v2. APHL has produced an initial customized Rhapsody route for Minnesota that will create HL7

messages based on their data extract and is in the process of testing it. APHL has scheduled a site visit for 2/9/16 to 2/10/16 to install and connect Minnesota's NMI Data Warehouse and Rhapsody Route.
- **New York State**: New York provided an initial suite of Generic v2 messages and mapping documents to APHL for review. New York has completed the gap analysis for both the Generic v2 and Hepatitis guides and currently is working on generating updated data extracts and completing test case scenario documents.
- **Oregon**: Oregon is making minor revisions to the full suite of Generic v2 and Hepatitis test messages. Once these revisions are made, they will be ready for end-to-end testing with MVPS.
- **Tennessee**: Tennessee is ready to conduct end-to-end testing with CDC for Hepatitis when MVPS is ready.
- **Texas**: Texas is ready to conduct end-to-end testing with CDC for Hepatitis when MVPS is ready.

UPCOMING EVENTS

Next NMI eSHARE: 2/18/16, 3:00pm ET;

http://www.cdc.gov/nmi/eshare.html

CSTE Annual Conference: 6/19-23/16;

http://www.csteconference.org/2016/

PHI Conference: 8/21-24/16;

http://phiconference.org/

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