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NMI Notes July/August 2016

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NMI Notes



CSTE

**NNDSS Modernization Initiative (NMI)****JULY/AUGUST 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*.

Software for New Arboviral Message is in Production:

The updated Data Message Brokering and ArboNet software to handle the new Arboviral v1.3 Message Mapping Guide (MMG) went into production on 7/15/16 and is processing the Arboviral v1.2 messages and generating data for the *Morbidity and Mortality Weekly Report*.

The first Arboviral v1.3 messages are expected to move into production in early August, after jurisdiction onboarding.

The NMI technical assistance team will contact jurisdictions to evaluate their readiness for implementation of the new message and to offer technical assistance, prioritizing jurisdictions in areas with the mosquito vectors, those currently sending v1.2, and NEDSS Base System (NBS) states.

NMI-related Presentations Given at CSTE:

Two members of the NMI team and three CDC program representatives gave presentations related to NMI and the CDC Surveillance Strategy at the 2016 CSTE Annual Meeting, held June 19–23, 2016, in Anchorage, Alaska:



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UPCOMING EVENTS

- Lesliann Helmus: Moving Forward with NMI
- Michele Hoover: Achieving the Goal of NMI through Technical Assistance: Improving Public Health Jurisdiction Capacity to Send HL7 Case Notifications
- Sandra Roush: National Center for Immunization and Respiratory Diseases 2014–2015 Support of CDC Surveillance Strategy and NMI: Data Harmonization and Provisioning
- Hillard Weinstock: Division of STD Prevention Support of the CDC Surveillance Strategy and NMI
- Benjamin A Kupronis: Division of Viral Hepatitis Support of CDC Surveillance Strategy and NMI.

NMI-related Sessions to be Presented at PHI Conference:

Several NMI-related sessions will be presented at the 2016 Public Health Informatics (PHI) Conference to be held in Atlanta, Georgia, on August 21–24; <http://phiconference.org/>:

- 8/21/16: Preconference Workshop: NMI Training on Implementing Message Mapping Guides; Moderator: Michele Hoover (Please note that registration is limited to 30 people, and pre-work and preparation will be required for this hands-on workshop.)
- 8/22/16: Roundtable: Enhancing Surveillance Information Systems for the Next Decade; Co-Moderators: Lesliann Helmus, Umed Ajani, Jason Hall
- 8/24/16:
 - Learning Session: Update on NMI; Moderator: Lesliann Helmus
 - Presenter: Lesliann Helmus—NMI Progress and Timeline
 - Presenter: Ruth Jajosky—New NNDSS Message Mapping Guides in Development
 - Presenter: Andrew Kuehl—Enhancements to the Message Validation, Processing and Provisioning System (MVPS)
 - Presenter: Michele Hoover—A Tour of the NMI Technical Assistance and Training Resource Center
 - Presenter: Virginia Dick—Use of Mixed Methods Evaluations to Improve Informatics Services to Jurisdictions
 - Post-conference NBS Consultancy; Moderator: Michael Wodajo

MESSAGE MAPPING GUIDE DEVELOPMENT UPDATES

Priority MMGs Update: Final versions of the Generic v2, Hepatitis, and Arboviral v1.3 Message Mapping Guides (MMGs) and their associated artifacts have been posted to the NNDSS HL7 Case Notification Resource Center at <https://www.cdc.gov/nndss/case-notification/>.

Pilot test-ready versions of the STD, Congenital Syphilis, Mumps, and Pertussis MMGs also are available on the resource center.

(VADG Hyperlink)	Value Set Code	Valid Values	HL7 Message Context	HL7 Data Type	HL7 Usage
State or Province Exposure	PHIS_StateProvince	US States FIPS Codes and ISO Country Subdivision codes for Canadian Provinces and Mexican States.	OBX segment with OBX-3=IN-503	CWE	RE
			OBX segment with OBX-3=IN-504	ST	RE (O..)
			OBX-5=String (up to 199 characters)		

Varicella MMG Update: The 30-day external comment period for the draft Varicella MMG closed on 6/8/16. CDC is making updates to the draft MMG that were identified during the review period and finalizing a compilation of responses to feedback received from seven jurisdictions.

New MMGs Identified for Development in 2016: CDC posted draft MMGs for Malaria, Babesiosis, and Measles to the NNDSS HL7 Case Notification Resource Center at <https://www.cdc.gov/nndss/case-notification/> for 30-day external reviews. The review period for Malaria closed on 7/20/16, and the review period for Babesiosis closed on 7/27/16; CDC is reviewing the feedback received. The review period for Measles is from 7/5/2016 to 8/15/2016.

In addition, CDC is preparing draft MMGs for Rubella and Congenital Rubella Syndrome and proposed data element lists for Cyclosporiasis and Trichinellosis, which will form the basis of future draft MMGs.

CDC also is identifying the next set of new priorities for MMG development.

MESSAGE VALIDATION, PROCESSING, AND PROVISIONING SYSTEM UPDATES

MVPS Generic and Hepatitis Implementation Timeline To

Change: Recent internal quality control reviews and testing of MVPS have identified several needed refinements to the system before it goes into production for Generic v2 and Hepatitis.



The pertinent NMI teams are holding daily meetings to review and prioritize these issues, resolve priority ones, and determine their impact upon the NMI timeline. These issues will delay the planned summer implementation of MVPS, and the NMI team will provide the adjusted NMI timeline as soon as possible.

To respect participants' time, the second round of MVPS User Acceptance Testing (UAT) also will be postponed until the identified system refinements are completed.

MVPS Continues Internal Functional Testing and Implementation of System

Enhancements: The MVPS team continues to perform extensive internal testing and identify and schedule defects to be resolved.

The team has resolved several issues found in the MVPS onboarding environment, including issues accessing MVPS through CDC Secure Access Management Services (SAMS) previously experienced by jurisdiction testers during UAT.

The team has implemented additional security enhancements, including row-level security, into MVPS.

Jurisdictions Encouraged to Check SAMS Access: In anticipation of MVPS being ready to accept data from jurisdictions for Generic v2 and Hepatitis, the NMI team is encouraging all non-pilot jurisdictions to complete the SAMS proofing process and confirm their access with the MVPS support team. More information about SAMS access and training may be found on the NMI web site at <http://www.cdc.gov/nmi/ta-sams.html>.

TECHNICAL ASSISTANCE UPDATES

Upcoming eSHARE Event Planned:

- **August NMI eSHARE to Cover NNDSS-related Highlights from 2016 CSTE Annual Meeting:**
 - The 8/18/16 NMI eSHARE webinar will provide highlights related to NNDSS from the 2016 CSTE Annual Meeting from CSTE workgroup chairs.
 - We invite you to join us at the eSHARE Adobe Connects Webinar Link: <https://virtualepd.adobeconnect.com/nmieshare/>. Click "Enter as a Guest," provide your name, and click "Enter Room"; the conference number is 1-800-779-9623 and participant code is 9740330.
- Access past eSHARE presentations and details about future events at the NMI eSHARE website at <http://www.cdc.gov/nmi/eshare.html>.



NMI Pilot Jurisdiction Status Report						
Jurisdiction	System	Implementation Process				
		Kick Off	Gap Analysis [non-NBS] or Disease Page Implemented [NBS]	Data Extract Updated [non-NBS] or Legacy Data Porting - Migration Complete [NBS]	HL7 Message Created	Message Validation in METS
Alabama						
STD	NBS	X	X	X	X	X
Arizona						
CS	Non-NBS	X	In Process			
STD	Non-NBS	X	In Process			
Arkansas						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X
California						
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
Florida						
Arbo V1.3	Non-NBS	X	In Process			
CS	Non-NBS	X	In Process			
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
STD	Non-NBS	X	In Process			
Idaho						
STD	NBS	X	X	X	X	X
Kentucky						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X
Louisiana						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X
Michigan						
CS	Non-NBS	X	X	N/A	X	In Process
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
STD	Non-NBS	X	X	N/A	X	In Process
Minnesota						
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
New York						
Arbo V1.3	Non-NBS	X	X	N/A	In Process	In Process
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	In Process	In Process	
North Carolina						
CS	Non-NBS	In Process				
STD	Non-NBS	In Process				
Oregon						
CS	Non-NBS	X	In Process	In Process	In Process	
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
STD	Non-NBS	X	In Process	In Process	In Process	
Tennessee						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X
Texas						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X

NMI Pilot Jurisdiction Status Report: This chart shows the status of current NMI pilot

jurisdictions in implementing new HL7 NNDSS case notification messages. After implementation, onboarding is the next step in the NMI process. Please note that NBS has finalized system updates for the Generic v2 and Hepatitis MMGs, and jurisdictions are currently applying those minor updates.

UPCOMING EVENTS

NMI eSHARE: CSTE Annual Meeting

Highlights:

8/18/16, 3:00pm ET;

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

PHI Conference:

8/21-24/16;

<http://phiconference.org/>

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