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NMI Notes February 2016

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NMI Notes

**NNDSS Modernization Initiative (NMI)****FEBRUARY 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*.

Arboviral Disease HL7 Case Notification Message Update

Several months ago CDC began updating the Arboviral disease case notification message. However, with the heightened need for jurisdictions to be able to send Zika virus disease data, CDC has revisited our strategy.

CDC will update the current HL7 Arboviral disease case notification message (v. 1.2) to incorporate the additional data elements needed for routine Arboviral disease surveillance. The new Arboviral v1.3 Message Mapping Guide (MMG) will contain the current ArboNET data elements, including new laboratory tests and clinical signs and symptoms. With this change in strategy, the Arboviral MMG based on Generic v2 will be put on hold indefinitely.

The expected timeline is as follows:

- Updated (v1.3) Arboviral message mapping guide available: March 2016.
- Message Quality Framework (MQF) updated to test the new message: Early April 2016.
- CDC systems ready to accept the new messages: May 2016.

Technical assistance will be provided to help jurisdictions using the v1.2 message to update to



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the v1.3 message and to help other jurisdictions implement the v1.3 message.

NNDSS has assigned **event code 11726** to Zika virus disease for reporting jurisdictions to use when sending HL7 case notifications using the Arboviral v 1.2 MMG currently in production.

- Jurisdictions should send Zika virus disease data to CDC through the mechanism they currently use to submit Arboviral disease data.
- When Arboviral v1.3 is available and jurisdictions are onboarded, they will stop sending human case notifications through the current routes.
- Jurisdictions should NOT send Zika virus disease data through the National Electronic Telecommunications System for Surveillance (NETSS) file submission format.

Please send any questions to CDC's Electronic Data Exchange mailbox at edx@cdc.gov.

MESSAGE MAPPING GUIDE DEVELOPMENT UPDATES

Six Priority MMGs Update: The CDC MMG development team expects to post the latest pilot test-ready versions of the six priority MMGs (Generic v2, Hepatitis, STD, Congenital Syphilis, Mumps, and Pertussis) in March 2016.

(IADG Hyperlink)	Value Set Code	Valid Values	HL7 Message Context	HL7 Data Type	HL7 Usage
Date or Province	PHIS_StateProvince	US States FIPS Codes	OBX segment with OBX-3=INV503	CWE	RE
Exposure	eOBExposure_CDC	and ISO Country Subdivision codes for Canadian Provinces and Set Mexican States	OBX segment with OBX-3=INV504 OBX-5=String (up to 199 characters)	ST	RE

Varicella MMG Update: The MMG development team is completing work on a draft version of the Varicella MMG. 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 March 2016.

New MMGs Identified for Development in 2016: The MMG development team currently is analyzing the proposed data elements provided by the programs for Malaria, Babesiosis, Measles, Rubella and Congenital Rubella Syndrome for MMG development. The team anticipates beginning work with the programs for Cyclosporiasis and Trichinellosis on MMG development in the spring.

Contact CSTE to Provide Feedback Early in MMG Development Process: Jurisdictions who are willing to work with CDC programs on data elements before MMGs are developed should contact the CSTE Infectious Disease or Surveillance and Informatics Committee leads through [Meredith Lichtenstein \(mlichtenstein@cste.org\)](mailto:mlichtenstein@cste.org).

MESSAGE VALIDATION, PROCESSING, AND PROVISIONING SYSTEM UPDATES

Latest Version of MVPS Deployed in CDC Development Environment: The MVPS team deployed MVPS 2.0.6 in the CDC development environment on 2/12/16. Recent MVPS updates have resolved some outstanding defects related to message formats that previously caused error and warning messages. These updates also implemented approved enhancements to MVPS, including improvements to the Message Evaluation and Testing Service (METS) tool.



Testers Identified for MVPS UAT: Pilot jurisdictions and CDC programs will receive training on and participate in user acceptance testing (UAT) for Generic v2 and Hepatitis during the month of March. Participating jurisdictions and programs recently identified testers to take part in UAT, and the MVPS test team is working to provide access to the UAT environment for all identified testers.

TECHNICAL ASSISTANCE UPDATES

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.



NMI eSHARE February Webinar Focuses on Technical Assistance: Held on 2/18/16, the NMI eSHARE monthly webinar gave attendees an overview of NMI Technical Assistance being provided by APHL; the hot topic of Arboviral diseases, including the development of an updated Arboviral v1.3 MMG and electronic laboratory reporting (ELR); and an opportunity for questions and answers.

Upcoming eSHARE Events: CDC has scheduled a special eSHARE event for 3/3/16 at 3:00–4:00pm ET that will provide an overview of the CDC Lab Test Algorithm for Arboviral diseases and electronic laboratory reporting (ELR) vocabulary for Zika. We invite you to join us at the eSHARE Adobe Connects Webinar Link: <https://virtualsepd.adobeconnect.com/nmieshare/> and conference number: 1-888-972-4312, participant code: 7650657.

The next regular NMI eSHARE event is scheduled for 3/17/16 at 3:00–4:00pm ET and will provide an overview of NMI Implementation and Technical Assistance Tools. Representatives from NMI pilot jurisdictions will present. We invite you to join us at the eSHARE Adobe Connects Webinar Link: <https://virtualsepd.adobeconnect.com/nmieshare/> and conference number: 1-888-972-4312, participant code: 7650657.

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
Arkansas						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X
California						
Gen V2	Non-NBS	X	X	X	In progress	In progress
HEP	Non-NBS	X	X	X	In progress	In progress
Florida						
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
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						

State	Category	Gen V2	HEP	Non-NBS	In progress	Not started
Louisiana	Gen V2	NBS	X	X	X	X
	HEP	NBS	X	X	X	X
Michigan						
Michigan	Gen V2	Non-NBS	X	X	X	X
	HEP	Non-NBS	X	X	X	X
Minnesota						
Minnesota	Gen V2	Non-NBS	X	X	X	In progress
	HEP	Non-NBS	X	X	X	In progress
New York						
New York	Gen V2	Non-NBS	X	X	In progress	In progress
	HEP	Non-NBS	X	X	In progress	In progress
Oregon						
Oregon	Gen V2	Non-NBS	X	X	X	X
	HEP	Non-NBS	X	X	X	X
Tennessee						
Tennessee	Gen V2	NBS	X	X	X	X
	HEP	NBS	X	X	X	X
Texas						
Texas	Gen V2	NBS	X	X	X	X
	HEP	NBS	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.

UPCOMING EVENTS

Special eSHARE Event: CDC Lab Test Algorithm for Arboviral Diseases and ELR Vocabulary for Zika: **3/3/16, 3:00PM ET**;
<http://www.cdc.gov/nmi/eshare.html>

NMI eSHARE: NMI Implementation and TA Tools: **3/17/16, 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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