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NMI Notes March 2016

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# NMI Notes

**NNDSS Modernization Initiative (NMI)****MARCH 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

The CDC Message Mapping Guide (MMG) development team has finalized and posted the new Arboviral v1.3 MMG at <https://www.cdc.gov/nndss/case-notification/message-mapping-guides.html>. The new Arboviral v1.3 MMG will support Zika-related case notifications and all other Arboviral disease notifications. The team plans to host a webinar, in conjunction with the CDC Arboviral Program, on 4/14/16 to review the revisions and answer questions about the recently updated guide.

NNDSS staff also are updating the NNDSS case definition website to incorporate CSTE's Interim Position Statement #16-ID-01-Interim titled "Zika Virus Disease and Congenital Zika Virus Infection Interim Case Definition and Addition to the Nationally Notifiable List" and will send a notice when updates are complete.

The updated expected timeline is as follows:

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



### IN THIS ISSUE:

OVERALL NMI UPDATES  
 MMG DEVELOPMENT UPDATES  
 MVPS UPDATES  
 TA UPDATES  
 UPCOMING EVENTS

Please send any questions to CDC's Electronic Data Exchange mailbox at [edx@cdc.gov](mailto:edx@cdc.gov).

## MESSAGE MAPPING GUIDE DEVELOPMENT UPDATES

**Six Priority MMGs Update:** In March 2016, the CDC MMG development team posted the final version of the Generic v2 MMG and the latest pilot test-ready versions of the Hepatitis, STD, and Congenital Syphilis MMGs to the new NNDSS HL7 Case Notification Resource Center at <https://www.cdc.gov/nndss/case-notification/>. The team expects to post the pilot test-ready Mumps and Pertussis MMGs in April 2016.

(IADG Hyperlink)	Value Set Code	Valid Values	HL7 Message Context	HL7 Data Type	HL7 Usage
<a href="#">State or Province</a>	PHIS_StateProvince	US States FIPS Codes	OBX segment with OBX-3=INV503	CWE	RE
<a href="#">Exposure</a>	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 expects to post a draft version of the Varicella MMG for a 30-day external review by public health jurisdictions, partners, and stakeholders in April 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.

## MESSAGE VALIDATION, PROCESSING, AND PROVISIONING SYSTEM UPDATES

**MVPS Completed UAT for Generic v2 and Hepatitis:** The CDC Message Validation, Processing, and Provisioning System (MVPS) team completed several MVPS User Acceptance Training (UAT) activities in March 2016:



- NMI pilot jurisdictions and CDC programs participated in a UAT training session on 3/9/16. The 1-hour training covered UAT expectations and activities for testers to ensure a productive testing experience. The training also demoed the latest versions of the Message Evaluation and Testing Service (METS) and MVPS (deployed in the UAT environment).
- UAT began on 3/14/16, and concluded on 3/25/16. During the first week, pilot jurisdictions tested METS and the MVPS Dashboard features (message processing, user management, and security roles). During the second week, CDC programs tested the MVPS Dashboard features. A set of program testers also participated in data provisioning testing.
- Participating jurisdictions and CDC programs submitted potential defects, enhancements, and feedback on METS and MVPS. The MVPS team hosted daily tester touchpoint calls for all participants to discuss their UAT findings and ask questions related to their testing experience. The MVPS testing support team met daily to review submitted defects and enhancements from testers. The MVPS development team is currently reviewing and prioritizing identified defects and enhancements for MVPS implementation.

## TECHNICAL ASSISTANCE UPDATES

**NMI eSHARE Hosted Two Webinars in March:**

- On 3/3/16, CDC hosted a special eSHARE event that provided an overview of the CDC Lab Test Algorithm

for Arboviral diseases and electronic laboratory reporting (ELR) vocabulary for Zika.

- On 3/17/16, CDC hosted an eSHARE session that provided an overview of NMI Implementation and Technical Assistance Tools. The panel featured six jurisdictions that participated in piloting the Generic v2 and Hepatitis MMGs; panelists shared their experiences, the TA tools that they found most helpful, and lessons learned. This information will help other jurisdictions prepare to implement these first two message mapping guides when they are available.



**Upcoming eSHARE Events Planned:**

- CDC has scheduled a special eSHARE event for **4/14/16 at 3:00pm ET** that will provide an overview of the new Arboviral v1.3. MMG. We invite you to join us at the eSHARE Adobe Connects Webinar Link: <https://virtualepd.adobeconnect.com/nmieshare/> and conference number: 1-888-972-4312, participant code: 7650657.
- The next regular NMI eSHARE event is scheduled for **4/21/16 at 3:00–4:00pm ET** and will provide an overview of the NMI onboarding process. We invite you to join us at the eSHARE Adobe Connects Webinar Link: <https://virtualepd.adobeconnect.com/nmieshare/> and conference number: 1-888-972-4312, participant code: 7650657.
- Access past eSHARE presentations and details about future events at the NMI eSHARE website at <http://www.cdc.gov/nmi/eshare.html>.

<b>NMI Pilot Jurisdiction Status Report</b>						
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
<b>Alabama</b>						
STD	NBS	X	X	X	X	X
<b>Arkansas</b>						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X
<b>California</b>						
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	In progress	In progress
<b>Florida</b>						
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
<b>Idaho</b>						
STD	NBS	X	X	X	X	X
<b>Kentucky</b>						
Gen V2	NBS	X	X	X	X	X

HEP	NBS	X	X	X	X	X
<b>Louisiana</b>						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X
<b>Michigan</b>						
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
<b>Minnesota</b>						
Gen V2	Non-NBS	X	X	X	In progress	In progress
HEP	Non-NBS	X	X	X	In progress	In progress
<b>New York</b>						
Gen V2	Non-NBS	X	X	In progress	In progress	
HEP	Non-NBS	X	X	In progress	In progress	
<b>Oregon</b>						
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
<b>Tennessee</b>						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X
<b>Texas</b>						
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.

#### UPCOMING EVENTS

Special eSHARE Event: Arboviral v1.3.  
MMG Overview: **4/14/16, 3:00PM ET**;  
<http://www.cdc.gov/nmi/eshare.html>

NMI eSHARE: NMI Onboarding Process:  
**4/21/16, 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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