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NMI Notes April 2016

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NMI Notes

**NNDSS Modernization Initiative (NMI)****APRIL 2016**

Sent to: State Epidemiologists, Deputy State Epidemiologists, CSTE Surveillance/Informatics and Infectious Disease Points of Contact, and subscribers to NMI Notes

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

This month, the CDC Message Mapping Guide (MMG) development team finalized and posted a new version of the Arboviral v1.3 MMG (Release 2) and the test scenarios (Release 3) to the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html>. The team hosted 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; see the NMI eSHARE archives at <http://www.cdc.gov/nmi/eshare.html> to access the presentation.

NNDSS staff also have updated 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":

<https://wwwn.cdc.gov/nndss/conditions/zika-virus-disease-and-zika-virus-congenital-infection/case-definition/2016/>.

The updated expected timeline is as follows:

- Updated (v1.3) Arboviral message mapping guide: Now available.



IN THIS ISSUE:

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

- Message Quality Framework (MQF) updated to test the new message: Now available.
- CDC systems ready to accept the new messages: June 2016.

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

MESSAGE MAPPING GUIDE DEVELOPMENT UPDATES

Six Priority MMGs Update: This month, the CDC MMG development team posted the final version of the Hepatitis MMG and the pilot test-ready Mumps and Pertussis MMGs and associated artifacts to the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/>.

The final versions of the Generic v2, STD, and Congenital Syphilis 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=INV503	CWE	RE
			OBX segment with OBX-3=INV504 OBX-5=String (up to 199 characters)	ST	RE (O..)

Varicella MMG Update: This month, the MMG development team posted a draft version of the Varicella MMG to the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/> for a 30-day external review by public health jurisdictions, partners, and stakeholder.

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

MESSAGE VALIDATION, PROCESSING, AND PROVISIONING SYSTEM UPDATES

MVPS Conducts Functional Testing and Prepares for Second Round of UAT for Generic v2 and Hepatitis: The CDC Message Validation, Processing, and Provisioning System (MVPS) team currently is conducting functional testing to confirm that MVPS has all required functionality specified within system requirements. The team expects to complete functional testing in mid-May 2016.



The team also is preparing for the second round of user acceptance testing (UAT) for Generic v2 and Hepatitis, which is expected to occur from 5/16/16 to 5/27/16 for pilot jurisdictions and CDC programs. The team currently is identifying testers. UAT participants will test the latest versions of the Message Evaluation and Testing Service (METS) and MVPS deployed in the UAT environment. UAT participants will test newly implemented change requests, resolved bugs and defects, and applied system enhancements.

TECHNICAL ASSISTANCE UPDATES

NMI eSHARE Hosted Two Webinars in April:

- On 4/14/16, CDC hosted a special eSHARE event that provided an overview of the new Arboviral v1.3 MMG, the availability of technical assistance to help jurisdictions create and send case notifications using the new guide, and the onboarding process for jurisdictions to send Arboviral case notifications to CDC.



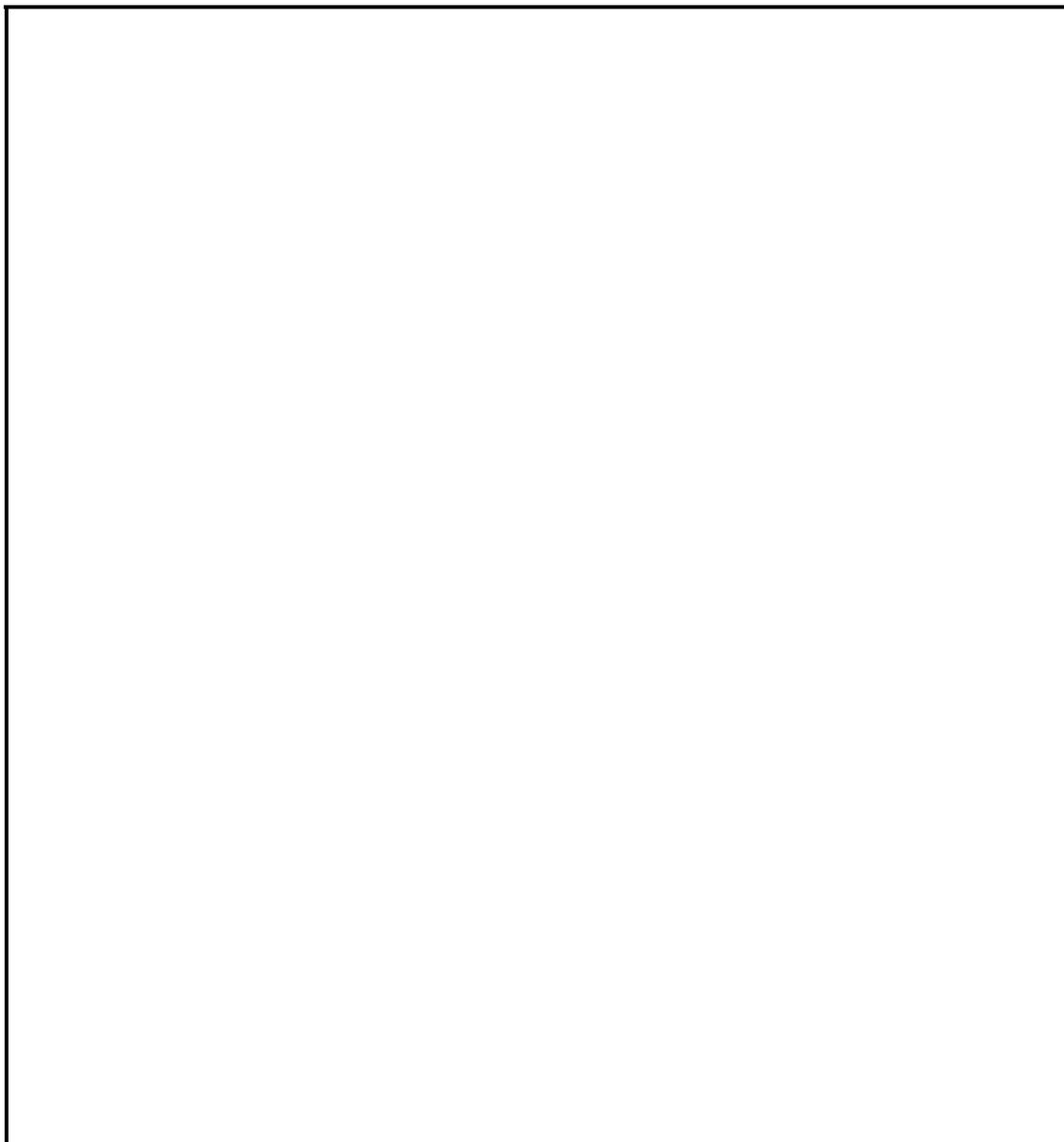
- On 4/21/16, CDC hosted an eSHARE session that provided an overview of the NMI MVPS onboarding process.

Upcoming eSHARE Events Planned:

- The next regular NMI eSHARE event is scheduled for 5/19/16 at 3:00–4:00pm ET and will provide MVPS-related training on the MVPS Dashboard, METS, and CDC Secure Access Management Services (SAMS). We invite you to join us at the eSHARE Adobe Connects Webinar Link: <https://virtualsepd.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 Update:

- The APHL NMI technical assistance team confirmed that Michigan, North Carolina, and Oregon will participate in the pilot implementation of HL7 case notification messages for STD and Congenital Syphilis. The NMI team is confirming additional pilot jurisdictions and will share them when finalized.
- The APHL NMI TA team will work with New York to implement the final Arboviral v1.3 MMG. The NMI team is confirming additional states and will share them when finalized.



Jurisdiction	System	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	X	X
HEP	Non-NBS	X	X	X	In Process	In Process
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						
Gen V2	NBS	X	X	X	X	X
HEP	NBS	X	X	X	X	X
Michigan						
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			
Minnesota						
Gen V2	Non-NBS	X	X	X	In Process	In Process
HEP	Non-NBS	X	X	X	In Process	In Process
New York						
Arbo V1.3	Non-NBS	X	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			
Gen V2	Non-NBS	X	X	X	X	X
HEP	Non-NBS	X	X	X	X	X
STD	Non-NBS	X	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.

UPCOMING EVENTS
NMI eSHARE: MVPS-related Training

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(MVPS Dashboard, METS, and SAMS)

5/19/16, 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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Centers for Disease Control and Prevention

Council of State and Territorial Epidemiologists

Association of Public Health Laboratories

Write: edx@cdc.gov

Visit: www.cdc.gov/nmi

www.cste.org

Our mailing address is:

The Council of State and Territorial Epidemiologists

2872 Woodcock Boulevard

Suite 250

Atlanta, GA 30341

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