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NMI Notes November 2016

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NMI Notes

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

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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*.

First HL7 Case Notification Message

Developed as Part of NMI Now in Production for Arboviral Data:

On 10/18/16, NNDSS began receiving arboviral data, including Zika virus-associated cases, from the first state public health jurisdiction using the new HL7 Arboviral v1.3 Message Mapping Guide (MMG). CDC developed this MMG to support public health's emergency arboviral response needs as part of NMI. The arboviral case notification message is the first HL7 message developed by CDC as part of the NMI effort to be in production.

CDC receiving, processing, and provisioning Arboviral data in this new format is the result of months of collaboration by teams across CDC and our partners at APHL, CSTE, and state public health departments. These teams defined the needed MMG data elements, updated CDC data systems, implemented two iterations of new Zika virus-related case definitions, and supported public health jurisdictions in implementing the messages.

The hands-on support provided by the NEDSS Base System (NBS) team helped Tennessee to be the first state to reach this goal. CDC expects additional states, such as New York, Florida, and Texas, to begin sending data over the next few weeks, with more continuing to be added into 2017.



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UPCOMING EVENTS

New Online NMI Newsroom Now Live:

The NMI team has launched a new online NMI Newsroom at <https://www.cdc.gov/nmi/newsroom.html>.

The newsroom pulls all NMI-related news and information resources together in one place. It features tabs for NMI news and announcements, NMI Notes, fact sheets and FAQs, NNDSS/NMI-related publications, and NMI leadership and organization.

Users also can get to the newsroom from the NMI home page; find it in the middle of the home page at <https://www.cdc.gov/nmi/index.html>.

MESSAGE MAPPING GUIDE DEVELOPMENT UPDATES

Priority MMGs Update:

Final versions of the Generic v2, Hepatitis, and Arboviral v1.3 MMGs and their associated artifacts have been posted to the NNDSS HL7 Case Notification Resource Center at <https://www.cdc.gov/nndss/case-notification/>. The test case scenarios for Arboviral v1.3 were updated on 10/4/16.

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

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

Comment Period for Rubella and Congenital Rubella Syndrome MMGs:

CDC posted draft MMGs for Rubella and Congenital Rubella Syndrome to the NNDSS HL7 Case Notification Resource Center at <https://www.cdc.gov/nndss/case-notification/>. The 30-day open comment period for the draft MMGs is from 10/7/16 to 11/18/16. CSTE hosted a webinar on 10/26/16 to review these MMGs (webinar recording streaming link: <https://cste.webex.com/cste/lsr.php?RCID=0909b056108d7bc53f24db4347d5e44e>).

MESSAGE VALIDATION, PROCESSING, AND PROVISIONING SYSTEM UPDATES

MVPS Conducting Second Round of User Acceptance Testing:

The Message Validation, Processing, and Provisioning System (MVPS) team is conducting the second round of user acceptance testing (UAT) for Generic v2 and Hepatitis from 10/31/16 to 11/9/16.

Select pilot jurisdictions and CDC programs will help to test the latest system development. Jurisdiction participants will test the Message Evaluation and Testing Service (METS) and MVPS functionality. Program participants will test MVPS provisioning functionality. UAT will help identify any potential defects and confirm that the system is ready for the anticipated system launch later this year.

**MVPS Continues Internal Functional Testing and Implementation of System Enhancements:**

MVPS continues to perform quality and functional testing to identify and schedule any potential defects to be resolved. The following MVPS updates were recently completed:

- Bug fixes were applied to the MVPS Dashboard "Custom Table Display," which allows users to customize their individual dashboard view.
- Hospitalized warning messages were updated within MVPS.
- Updates were made to the system date string for required dates.

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

NMI eSHARE Event Updates:

October NMI eSHARE Covered Updated Arboviral Case Notification Implementation and Onboarding



- The 10/20/16 NMI eSHARE webinar provided information on changes to the Arboviral MMG based on changes to the CSTE Zika position statement, discussed issues to be considered when implementing case notifications based on the MMG, and outlined the process for onboarding.
- In addition, the hot topic focused on the current status of NMI.
- Webinar recording streaming link: <https://cste.webex.com/cste/lr.php?RCID=1dbac6f99b1f9149c8007c877471dc72>

November NMI eSHARE to Provide a Refresher on the NMI Onboarding Process

- The 11/17/16 NMI eSHARE webinar will provide a refresher and updates on the NMI implementation and onboarding process for conditions other than arboviral.
- CSTE now is hosting the NMI eSHARE webinars. Please visit the NMI eSHARE web site at <http://www.cdc.gov/nmi/eshare.html> for details on how to access these monthly webinars.

Access past eSHARE presentations and details about future events at the NMI eSHARE website at <http://www.cdc.gov/nmi/eshare.html>.

Jurisdiction		Implementation Process					Onboarding Process	
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	Onboarding	In Production	
Alabama								
STD	NBS	X	X	X	X	X		
Arizona								
CS	Non-NBS	X	X	X	In Process			
STD	Non-NBS	X	X	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	X	X	X	X	X	
CS	Non-NBS	X	X	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	X	In Process			
Idaho								
Gen V2	NBS	X	X	X	X	X		

HEP	NBS	X	X	X	X	X		
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	X	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	X	X	X	X		
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	X	X	X	X	
Gen V2	Non-NBS	X	X	X	X	X		
HEP	Non-NBS	X	X	In Process	In Process			
North Carolina								
CS	Non-NBS	X	In Process					
STD	Non-NBS	X	In Process					
Oregon								
CS	Non-NBS	X	X	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	X	In Process			
Tennessee								
Arbo V1.3	NBS	X	X	X	X	X	X	X
Gen V2	NBS	X	X	X	X	X		
HEP	NBS	X	X	X	X	X		
Texas								
Arbo V1.3	NBS	X	X	X	X	X	X	
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 and onboarding new HL7 NNDSS case notification messages. 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: NMI Implementation and Onboarding Refresher and Updates:

11/17/16, 3:00PM ET;

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

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Have questions or feedback on NMI Notes?

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