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NMI Notes April 2017

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# NMI Notes

**NNDSS Modernization Initiative (NMI)****APRIL 2017**

Sent to: State Epidemiologists, Deputy State Epidemiologists, CSTE Surveillance/Informatics and Infectious Disease Points of Contact, and Subscribers to this Distribution List

## OVERALL NMI UPDATES

### Welcome to *NMI Notes*!

*NMI Notes* provides 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*.

### NMI eSHARE Updates:

- Held on 3/21/17, the latest NMI eSHARE webinar provided a walkthrough of the NMI Implementation Spreadsheet and introduced the new "NMI eSHARE Clinic" feature, where technical tips and best practices for a specific part of the NMI implementation and onboarding process will be discussed.
- The next NMI eSHARE session, to be held on 4/18/17 at 3:00 PM ET, will provide an update on the Arboviral v1.3 implementation and onboarding process.
- Access past eSHARE presentations and details about future events at the NMI eSHARE website at <http://www.cdc.gov/nmi/eshare.html>.

### Message Validation, Processing, and Provisioning System (MVPS) Updates

- The MVPS team implemented MVPS Release 2.2.4.2 on 3/9/17. MVPS now accepts Trichinellosis, Malaria, and Cyclosporiasis as Generic v2 conditions. Additional system updates include updates to various processing warning and error messages generated.
- CDC launched an updated version of the Message Evaluation and Testing Service (METS) on 3/9/17. The new CDC standardized version of METS improves the user experience when reviewing test Generic v2 and Hepatitis HL7 case notification messages. METS is now located on the CDC website to improve accessibility and standardization. Test messages today at <https://mets.cdc.gov>.
- The NMI team encourages all non-pilot jurisdictions to complete the Secure Access Management Services (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>.

### PHIN VADS Down for Maintenance:

- Please note that the PHIN Vocabulary Access and Distribution (PHIN VADS) website is down for extended maintenance at this time. We apologize for any inconvenience. The service is expected to be back online in early April.



### IN THIS ISSUE:

OVERALL NMI UPDATES  
 HL7 CASE NOTIFICATION MESSAGES  
 IN PRODUCTION  
 HL7 CASE NOTIFICATION MESSAGES  
 IN DEVELOPMENT  
 NMI RESOURCES  
 UPCOMING EVENTS

- In the meantime, users can request downloads by contacting the PHIN VADS team. Please email [phintech@cdc.gov](mailto:phintech@cdc.gov) to make your request or if you have any questions or issues.

## HL7 CASE NOTIFICATION MESSAGES IN PRODUCTION

### Arboviral v1.3

- States in the onboarding process for Arboviral v1.3 include Idaho and Wisconsin.



### Generic v2

- CDC updated the Introduction tab in the Generic v2 Message Mapping Guide (MMG) and Test Scenario to reference the new version of the PHIN Messaging Guide. An updated version of the MMG and the PHIN Messaging Guide will be available soon on the NNDSS HL7 Case Notification Resource Center at <https://www.cdc.gov/nndss/case-notification/>.
- MVPS now accepts Trichinellosis, Malaria, and Cyclosporiasis as Generic v2 conditions.
- States in the onboarding process for Generic v2 include Florida and Minnesota. Alaska, California, Mississippi, New Hampshire are expected to begin the onboarding process soon.

### Hepatitis

- CDC updated the Introduction tab in the Hepatitis MMG and Test Scenario to reference the new version of the PHIN Messaging Guide. An updated version of the MMG and the PHIN Messaging Guide will be available soon on the NNDSS HL7 Case Notification Resource Center at <https://www.cdc.gov/nndss/case-notification/>.
- States in the onboarding process for Hepatitis include Florida, Idaho, and Minnesota. California is expected to begin the onboarding process soon.

## HL7 CASE NOTIFICATION MESSAGES IN DEVELOPMENT

### Babesiosis (Stage 1—Draft)

- No new updates at this time.

### Congenital Syphilis (CS) and STD MMGs (Stage II—Pilot Test-ready)

- The CDC MMG team updated the pilot test-ready versions of the CS and STD MMGs and associated artifacts.
- The team delivered the updated guides and artifacts to the MVPS, NEDSS Base System (NBS), and NMI Technical Assistance teams on 3/15/17.

(VADS Hyperlink) Tab or Profile Expense	Value Set Code	Valid Values	HL7 Message Context	HL7 Data Type	HL7 Usage
	PHIS_StateProv; US States FIPS Codes and ISO Country	US States FIPS Codes and ISO Country	OBIX segment with OBIX-5=INV503	CWE	RE
	ISOExposure_CDC and ISO Country	Subdivision codes for Canadian Provinces and Set Mexican States	OBIX-5=Value from value		
			OBIX segment with OBIX-5=INV504	ST	RE [O]
			OBIX-5=String (up to 199 characters)		

### Foodborne and Diarrheal Disease (FDD) MMG (Requirements Analysis)

- The CDC MMG team is working with the PHIN VADS team regarding the creation of value sets associated with the FDD MMG.
- The MMG team has shared with the CDC program the Excel formulas used in the Arboviral guide to create the test messages using test scenario data.
- The CDC program plans to share the draft MMG with the HL7 implementers soon.

### Malaria MMG (Stage I—Draft)

- The CDC MMG team is continuing to reconcile feedback per comments from the pre-clearance process for the Malaria MMG.
- The MMG team is working with the CDC HL7 analyst to update comments per the revised lab template.

### Measles MMG (Stage I—Draft)

- The CDC vaccine-preventable disease (VPD) MMG development teams and the CDC program will meet on 4/14/17 to finalize the recommendation to standardize and harmonize the epi interpretative lab data elements across VPD MMGs, similar to the proposed epi interpretative diagnostic data elements.

**Mumps and Pertussis MMGs (Stage II—Pilot Test-ready)**

- The CDC Mumps MMG team met to discuss tasks needed to update the pilot test-ready guide based on lessons learned from development of the STD and CS MMGs.
- The CDC Pertussis MMG team met to discuss the artifacts and the current status of the MMG, including pending tasks identified for the guide.

**Rubella and Congenital Rubella Syndrome (CRS) MMGs (Stage I—Draft)**

- The CDC MMG team developed a document to track the current status of all vocabulary work for the CRS and Rubella MMGs.
- The team continues to review the CRS and Rubella MMG artifacts against best practices, other MMGs, and the changes resulting from the PHIN-Guide reconciliation process, noting required updates or modifications and harmonization considerations.

**Trichinellosis (Requirements Analysis)**

- The Trichinellosis MMG work is on hold due to resource allocation to other higher priority MMGs.

**Varicella MMG (Stage I—Draft)**

- Along with other VPD MMG leads, the Varicella MMG team met on 3/8/17 to discuss specifics of the plan to be reviewed in the meeting with the CDC program scheduled for 4/14/17.

**NMI RESOURCES**

- NMI Technical Assistance and Training Resource Center: <https://www.cdc.gov/nmi/ta-trc/index.html>
- NNDSS HL7 Case Notification Resource Center: <https://wwwn.cdc.gov/nndss/case-notification/>
- NMI Newsroom: <https://www.cdc.gov/nmi/newsroom.html>
- NMI Internet Site (includes NMI fact sheets and FAQs): <http://www.cdc.gov/nmi/>
- NMI Notes Monthly News Update: <https://www.cdc.gov/nmi/news.html>
- NMI eSHARE Monthly Webinar: <http://www.cdc.gov/nmi/eshare.html>



### NMI Pilot Jurisdiction Status Report

= Message in Production

= Stage Completed

= Stage In Process

Jurisdiction	System	Implementation				Onboarding	
		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
<b>Alabama</b>							
STD	NBS						
<b>Arizona</b>							
Arbo V1.3	Non-NBS						
CS	Non-NBS						
STD	Non-NBS						
<b>Arkansas</b>							
Gen V2	NBS						
HEP	NBS						
<b>California</b>							
Gen V2	Non-NBS						
HEP	Non-NBS						
<b>Florida</b>							
Arbo V1.3*	Non-NBS						
CS	Non-NBS						
Gen V2	Non-NBS						
HEP	Non-NBS						
STD	Non-NBS						
<b>Idaho</b>							
Arbo V1.3	NBS						
HEP	NBS						
STD	NBS						
<b>Kentucky</b>							
Gen V2	NBS						
HEP	NBS						
<b>Louisiana</b>							
Gen V2	NBS						
HEP	NBS						
<b>Michigan</b>							
CS	Non-NBS						
Gen V2	Non-NBS						
HEP	Non-NBS						
STD	Non-NBS						
<b>Minnesota</b>							
Gen V2	Non-NBS						
HEP	Non-NBS						
<b>New York</b>							
Arbo V1.3	Non-NBS						
Gen V2	Non-NBS						
HEP	Non-NBS						
<b>North Carolina</b>							
CS	Non-NBS						
STD	Non-NBS						
<b>Oregon</b>							
CS	Non-NBS						
Gen V2	Non-NBS						
HEP	Non-NBS						
STD	Non-NBS						
<b>South Dakota</b>							
Arbo V1.3	Non-NBS						
<b>Tennessee</b>							
Arbo V1.3	NBS						
Gen V2	NBS						
HEP	NBS						
<b>Texas</b>							
Arbo V1.3	NBS						
Gen V2	NBS						
HEP	NBS						
<b>Wisconsin</b>							
Arbo V1.3	Non-NBS						

\*Florida has implemented Arboviral 1.3 for Zika and is continuing to work on implementing the remaining Arboviral conditions.

**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: Update on Arboviral v1.3  
Implementation and Onboarding;

4/18/17, 3:00PM ET;

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

CSTE Annual Conference: 6/4-8/17;

<http://www.csteconference.org/2017/>

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