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NMI Notes March 2017

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NMI Notes

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

Please note that we have changed the structure of these updates to organize some of the main information by condition in production and condition in development to make it easier for you to find the information you need.

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).



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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 Technical Assistance and Onboarding Now Open to All Jurisdictions:

- The NMI team is pleased to announce that all public health jurisdictions are now invited to begin implementing the new NNDSS HL7 case notification messages for Generic v2, Hepatitis, and Arboviral v1.3. Jurisdictions also may now submit their NMI technical assistance and onboarding requests for implementing these messages.
- The NMI team launched the online NMI Technical Assistance and Training Resource Center in early February at <https://www.cdc.gov/nmi/ta-trc/index.html>. The site includes the tools, resources, and training that jurisdictions will need to implement NNDSS HL7 case notifications from finalized message mapping guides (MMGs).

NMI eSHARE Updates:

- Held on 2/21/17, the latest NMI eSHARE webinar, "Implementation Preparation 101," provided detailed information on how jurisdictions can best prepare for implementing the Generic v2 and Hepatitis case notification messages.
- The next NMI eSHARE session, to be held on 3/21/17 at 3:00 PM ET, will provide a walkthrough of the NMI Implementation Spreadsheet.
- Access past eSHARE presentations and details about future events at the NMI eSHARE website at <http://www.cdc.gov/nmi/eshare.html>.

PHIN Messaging Guide Updates:

- CDC is updating the PHIN Messaging Guide for Case Notification and will provide details soon.

2017 NNDSS Event Code List Updates:

- CDC is updating the 2017 NNDSS event code list of conditions to reflect additional conditions that only require the Generic v2 data elements in HL7 case notifications submitted to NNDSS. The additional conditions are Malaria, Trichinellosis, and Cyclosporiasis.
- Please note that, while states are implementing the Generic v2 only HL7 Case Notification messages, they should continue to send Malaria case report form data through the National Malaria Surveillance System until they are approved to send Malaria-specific HL7 Case Notification messages.

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

- The MVPS team completed the development of MVPS Release 2.2.4 on 2/10/17 and conducted internal testing. The new release includes the following system updates:
 - Fixes to the “Category” dropdown list on the MVPS Dashboard.
 - Updates to error message received when *Morbidity and Mortality Weekly Report (MMWR)* Year and Week data elements are not provided.
 - Updates to Patient Address State or Province and Patient Address County/Parish Code warning messages.
- Following the completion of the MVPS Upgrade planning phase (MVPSu Sprint 0), MVPSu development work began on 2/15/17 to implement Rhapsody. MVPSu will include processing technology and database upgrades.
- Updates to the Message Evaluation and Testing Service (METS) are in progress and expected to improve overall usability for jurisdiction users testing their messages. METS also will be transitioned to the CDC website to improve accessibility and standardization.
- 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>.

HL7 CASE NOTIFICATION MESSAGES IN PRODUCTION

Arboviral v1.3:

- On 2/22/17, the NMI team approved South Dakota to go into production for Arboviral v1.3.



Generic v2:

- States in the onboarding process for Generic v2 include Florida and Minnesota. California is expected to begin the onboarding process soon.
- Jurisdictions may use METS to test their Generic v2 messages by accessing <https://mets.cdc.gov>. For more information on METS, please visit <https://www.cdc.gov/nmi/mets.html>.

Hepatitis:

- States in the onboarding process for Hepatitis include Florida, Idaho, and Minnesota. California is expected to begin the onboarding process soon.
- Jurisdictions may use METS to test their Hepatitis messages by accessing <https://mets.cdc.gov>. For more information on METS, please visit <https://www.cdc.gov/nmi/mets.html>.

HL7 CASE NOTIFICATION MESSAGES IN DEVELOPMENT

Babesiosis (Stage 1—Draft):

- The CDC MMG team finalized the external review comments and will share them with the CDC program for final review. The team will update the MMG with the revised lab template and the occupational and industry template.

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

| (VADO Hyperlink) | Value Set Code | Valid Values | HL7 Message Context | HL7 Data Type | HL7 Usage |
|--|--------------------|---|-------------------------------------|---------------|-----------|
| State or Province Exposure | PHIS_StateProvince | US States FIPS Codes | OBX segment with OBX-3=INV503 | CWE | RE |
| | ISO_Country | and ISO Country Subdivision codes for Canadian Provinces and Mexican States | OBX-5=Value from value | | |
| | | | OBX segment with OBX-3=INV504 | ST | RE [0..1] |
| | | | OBX-5=String (up to 199 characters) | | |

- The MMG team is updating the STD and CS MMGs, Test Scenarios, and Test Messages per feedback from implementers, CDC programs, and internal MMG development staff.
- The team is conducting a quality assurance review of the STD MMG, Test Scenarios, and Test Messages and, when complete, will schedule one for the CS MMG and artifacts.

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

- The MMG team completed its review of the 2/8/17 version of the MMG from the CDC program. This version incorporates several harmonized and standardized data elements from the current Generic v2-based MMGs and adds a few data elements and value sets (e.g., medications).

Malaria MMG (Stage I—Draft):

- The MMG team is reconciling feedback from the pre-clearance of the Malaria MMG.

Measles MMG (Stage I—Draft):

- All CDC vaccine-preventable disease (VPD) MMG development teams met to discuss the effect of changes to the Measles MMG on the other VPD MMGs.
- The teams will meet again 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):

- To ensure that all VPD MMGs are as consistent as possible, the MMG team is reviewing the mumps and pertussis MMGs to identify opportunities to improve harmonization across MMGs.

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

- The MMG team is finalizing proposed responses to the external review feedback for the CRS and Rubella MMGs.
- The team is reviewing 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):

- The MMG team is updating the MMG per MMG development best practices and Generic v2 and Hepatitis MMG reviews.

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://www.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 | | Implementation Process | | | | | Onboarding 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 | Onboarding | In Production |
| Alabama | | | | | | | | |
| STD | NBS | | | | | | | |
| Arizona | | | | | | | | |
| CS | Non-NBS | | | | | | | |
| STD | Non-NBS | | | | | | | |
| Arkansas | | | | | | | | |
| Gen V2 | NBS | | | | | | | |
| HEP | NBS | | | | | | | |
| California | | | | | | | | |
| Gen V2 | Non-NBS | | | | | | | |
| HEP | Non-NBS | | | | | | | |
| Florida | | | | | | | | |
| Arbo V1.3* | Non-NBS | | | | | | | |
| CS | Non-NBS | | | | | | | |
| Gen V2 | Non-NBS | | | | | | | |
| HEP | Non-NBS | | | | | | | |
| STD | Non-NBS | | | | | | | |
| Idaho | | | | | | | | |
| Arbo V1.3 | NBS | | | | | | | |
| HEP | NBS | | | | | | | |
| STD | NBS | | | | | | | |
| Kentucky | | | | | | | | |
| Gen V2 | NBS | | | | | | | |
| HEP | NBS | | | | | | | |
| Louisiana | | | | | | | | |
| Gen V2 | NBS | | | | | | | |
| HEP | NBS | | | | | | | |
| Michigan | | | | | | | | |
| CS | Non-NBS | | | | | | | |
| Gen V2 | Non-NBS | | | | | | | |
| HEP | Non-NBS | | | | | | | |
| STD | Non-NBS | | | | | | | |
| Minnesota | | | | | | | | |
| Gen V2 | Non-NBS | | | | | | | |
| HEP | Non-NBS | | | | | | | |
| New York | | | | | | | | |
| Arbo V1.3 | Non-NBS | | | | | | | |
| Gen V2 | Non-NBS | | | | | | | |
| HEP | Non-NBS | | | | | | | |
| North Carolina | | | | | | | | |
| CS | Non-NBS | | | | | | | |
| STD | Non-NBS | | | | | | | |
| Oregon | | | | | | | | |
| CS | Non-NBS | | | | | | | |
| Gen V2 | Non-NBS | | | | | | | |
| HEP | Non-NBS | | | | | | | |
| STD | Non-NBS | | | | | | | |
| South Dakota | | | | | | | | |
| Arbo V1.3 | Non-NBS | | | | | | | |
| Tennessee | | | | | | | | |
| Arbo V1.3 | NBS | | | | | | | |
| Gen V2 | NBS | | | | | | | |
| HEP | NBS | | | | | | | |
| Texas | | | | | | | | |
| Arbo V1.3 | NBS | | | | | | | |
| Gen V2 | NBS | | | | | | | |
| HEP | 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: Walkthrough of the NMI Implementation Spreadsheet;
3/21/17, 3:00PM ET;

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

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

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

Have questions or feedback on
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Email edx@cdc.gov.

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