

NMI Overall 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.

CDC Holding Lessons Learned Conference Calls to Improve NNDSS Data Reconciliation Process

- With the completion of the 2016 NNDSS data reconciliation process and the November 3rd release of the 2016 NNDSS Annual Tables on the NNDSS Data and Statistics website (<https://wwwn.cdc.gov/nndss/data-and-statistics.html>), CDC will hold lessons learned conference calls with volunteer health jurisdictions and with CDC programs to help identify possible improvements for reconciliation of the 2017 data.
- In December, CDC will schedule these calls with health departments that previously volunteered to participate.

NMI eSHARE Updates

- The last NMI eSHARE for 2017 was held on November 21 and provided a cornucopia of information about the NNDSS data transition, country of usual residence data element, binational reporting criteria, and unique case algorithm.
- The 2018 NMI eSHARE series will begin on January 16; more details will be provided as they are finalized.
- 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 testing team has completed MVPS Upgrade (MVPSu) provisioning testing and completed generic v2 and hepatitis test execution for new display messages.
- The MVPS testing team also started migration testing and begun integration test planning.
- 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 website at <http://www.cdc.gov/nmi/ta-sams.html>.

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Arboviral v1.3

- States now in production for arboviral v1.3 are Arizona, Arkansas, Delaware, Florida, Idaho, New York, Oregon, South Dakota, Tennessee, Texas, and Wisconsin.
- Maryland is engaged in onboarding.



Generic v2

- PHIN Vocabulary and Access Distribution System (VADS) updated a value set for usual country of residence and is in the process of updating value sets for birth country and Federal Information Processing Standard (FIPS) county codes.
- CDC corrected minor typos in the “MMG Column Descriptions” tabs in the generic v2 message mapping guide (MMG) and test scenario and noted the changes in the Revisions section. CDC will post the updated documents to the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/> once the PHIN VADS value sets have been updated.
- States now in production for generic v2 are Alaska, Florida, Kansas, Michigan, Minnesota, Mississippi, New York, South Carolina, Oregon, and Wisconsin.
- California, Illinois, Massachusetts, New Hampshire, and New York City are engaged in onboarding.

Hepatitis

- CDC made changes to the hepatitis MMG to enable submission of perinatal hepatitis C case notifications to CDC and updated the value set for LAB101 (test performed) to include needed lab tests. The CDC program is now reviewing the updated MMG.
- CDC completed updates to the test scenario and test messages and reviewed the test messages for accuracy.
- States now in production for hepatitis are Florida, Idaho, Michigan, Minnesota, and Oregon.
- California and Virginia are engaged in onboarding.

HL7 Case Notification Messages in DEVELOPMENT

Babesiosis MMG (Stage 1—Draft)

- No updates at this time.

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

- CDC completed updates to the STD guide based upon the CSTE position statement implementation plan. The CDC program is now reviewing the updated MMG.
- CDC completed updates to the STD test scenario and test messages and reviewed the test messages for accuracy.
- A value set update in the CS MMG will be included in a change request with other VADS updates.
- NMI technical assistance is working with pilot states to implement the STD and CS messages.

Valid Values	HL7 Message Context	HL7 Data Type
Includes FIPS Codes	OBX segment with OBX-3=INV503	CWE
Country	OBX-5=Value from value	
Codes for Provinces and States.		
	OBX segment with OBX-3=INV504	ST
	OBX-5=String (up to 199 characters)	RE

Foodborne and Diarrheal Disease MMG (Stage Me—Draft):

- CDC closed the external comment period for the draft FDD MMG and feedback form, test scenarios, test messages, and annotated case report forms on 11/17/17.
- Minnesota, New York, and Oregon are serving as Emerging Infections Program (EIP) pilots for FDD. Michigan has agreed to be a non-EIP pilot.

Malaria MMG (Stage I—Draft)

- The CDC program is now reviewing an updated MMG for sign off.

- CDC is updating test messages and test scenarios per updates to the guide.

Measles MMG (Stage I—Draft)

- No new updates at this time.

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

- CDC completed value set updates for both guides.
- The NMI technical assistance team and National Center for Immunization and Respiratory Diseases (NCIRD) invited Florida, Kansas, Michigan, New York City, Oregon, and Utah to pilot the mumps, pertussis, and varicella MMGs. All indicated their interest in participating. In addition, Louisiana, an NBS state, agreed to serve as a pilot for mumps and pertussis.

Respiratory and Invasive Bacterial Disease (RIBD) MMG (Requirements Analysis)

- The RIBD MMG will incorporate disease-specific data for case-based surveillance of legionellosis to support the CDC Winnable Battles campaign.
- This MMG is a collaborative effort among the National Center for Emerging and Zoonotic Infectious Diseases, NCIRD, and the Division of Health Informatics and Surveillance.
- The team expects to complete the first draft in January 2018 and is targeting June 2018 to have data flowing from states to CDC in the new HL7 messages.

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

- CDC is making changes to the CRS MMG based on external review feedback.
- CDC is going through internal review of the rubella MMG and is making changes to it based on compiled external review comments.

Trichinellosis (Requirements Analysis)

- No new updates at this time.

Varicella MMG (Stage I—Draft)

- A second version of the pilot test-ready package (MMG, test scenarios, test messages, and annotated surveillance worksheet) was delivered to MVPS.
- PHIN VADS updated the lab test type value set.
- The NMI technical assistance team and NCIRD sent invitations to Florida, Michigan, Kansas, New York City, and Utah to pilot the mumps, pertussis, and varicella MMGs. All responded to indicate their interest in participating.

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 Notes Monthly News Update: <https://www.cdc.gov/nmi/news.html>
- NMI eSHARE Monthly Webinar: <http://www.cdc.gov/nmi/eshare.html>
- NMI Newsroom: <https://www.cdc.gov/nmi/newsroom.html>
- NMI Internet Site (includes NMI fact sheets and FAQs): <http://www.cdc.gov/nmi/>



- = Pilot
- = Receiving TA
- = Onboarding
- = Message In Production

HL7 Case Notification Message	Jurisdiction	Pilot	Receiving TA	Onboarding	Production
Arboviral Version 1.3	Alabama				
	Arizona				
	Arkansas				
	California				
	Delaware				
	Florida*				
	Idaho				
	Indiana				
	Maine				
	Maryland				
	New York				
	Oregon				
	South Dakota				
	Tennessee				
Texas					
Wisconsin					
Congenital Syphilis	Arizona				
	Florida				
	Michigan				
	North Carolina				
	Oregon				
Generic Version 2	Alaska				
	Arkansas				
	California				
	Florida				
	Illinois				
	Kansas				
	Kentucky				
	Louisiana				
	Massachusetts				
	Michigan				
	Minnesota				
	Mississippi				
	New Hampshire				
	New Jersey				
	New York				
	New York City				
	Oregon				
	South Carolina				
Tennessee					
Texas					
Wisconsin					
Hepatitis	Arkansas				
	California				
	Florida				
	Idaho				
	Kentucky				
	Louisiana				
	Michigan				
	Minnesota				
	New York				
	Oregon				
	Tennessee				
	Texas				
Virginia					
Sexually Transmitted Diseases	Alabama				
	Arizona				
	Florida				
	Idaho				
	Michigan				
	North Carolina				
	Oregon				

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

NMI Status Report: This chart shows the status of state public health departments who are piloting, receiving technical assistance, onboarding, or in production for finalized HL7 case notification messages developed as part of the NNDSS Modernization Initiative.

Upcoming Events

- NMI eSHARE; 1/16/18, 3:00PM ET; <http://www.cdc.gov/nmi/eshare.html>

Have questions or feedback on NMI Notes? Email edx@cdc.gov.