

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.

New Online Location for Notifiable Disease Data Coming in November

- A new convenient way for users to access notifiable disease data through the NNDSS website is coming in early November. CDC has redesigned the data and statistics section of the NNDSS website to be a one-stop-shop for users to find both detailed information about notifiable disease data and links to the data themselves. Some changes have already been implemented at <https://wwwn.cdc.gov/nndss/data-and-statistics.html>; complete functionality is expected in November.
- Although these data will no longer be published in their current format in the *Morbidity and Mortality Weekly Report (MMWR)*, users will be able to easily access the information on the NNDSS website beginning in November. To ease the transition, *MMWR* also will link users from its website to the new location on the NNDSS website.
- **Annual Reporting:** The 8/11/17 publication of the *MMWR Summary of Notifiable Infectious Diseases and Conditions* and *MMWR Summary of Notifiable Noninfectious Conditions and Disease Outbreaks* was the last time that annual data will be published in their current format in *MMWR*. CDC expects to transition the reporting of NNDSS annual data from *MMWR* to the NNDSS Data and Statistics webpage in November 2017.
- **Weekly Reporting:** CDC expects to transition the reporting of NNDSS weekly data in January 2018 and will provide more information later this year.
- Consolidating the notifiable disease data on the NNDSS website is part of the NMI strategy to streamline NNDSS and access to data for users; NMI is a component of the CDC Surveillance Strategy. This consolidation of information also is in response to the recommendations of a CDC-wide workgroup to make more data available online and to allow *MMWR* to focus on publishing scientific and actionable surveillance reports and not routine data tables.

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NMI eSHARE Updates

- Held on 8/15/17, the latest NMI eSHARE webinar provided tips and lessons learned from states who have completed the NMI implementation and onboarding process.
- The next NMI eSHARE is scheduled for 9/19/17 and will feature tips from states who have completed the arboviral v1.3 case notification 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

- CDC continues with ongoing MVPS Upgrade (MVPSu) design, development, testing, migration planning, and implementation. The MVPS team has begun testing MVPSu functionality for generic v2 and hepatitis, which will be the first implementation of the MVPSu processing changes.
- The MVPS development team continues to make enhancements to MVPS Classic, including the following system updates:
 - An automated NULL check script was implemented to run each time data are loaded to the provisioning database. The script proactively identifies null data and issues an email alert to the MVPS operations and maintenance team if issues are found.
 - An issue with National Electronic Telecommunications System for Surveillance (NETSS) race values being incorrectly processed as OTHER was addressed.
- 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>.

HL7 Case Notification Messages in PRODUCTION

Arboviral v1.3

- CDC posted new versions of the arboviral v1.3 test scenarios and test messages to the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/>.
- States now in production for arboviral v1.3 are Delaware, Florida, Idaho, New York, South Dakota, Tennessee, Texas, and Wisconsin.
- Arkansas and Oregon are engaged in onboarding.



Generic v2

- States now in production for generic v2 are Florida, Kansas, Michigan, Minnesota, New York, South Carolina, Oregon, and Wisconsin.
- Alaska, California, Illinois, Mississippi, and New Hampshire are engaged in onboarding.

Hepatitis

- States now in production for hepatitis are Florida, Idaho, Michigan, Minnesota, and Oregon.
- California is engaged in onboarding.

HL7 Case Notification Messages in DEVELOPMENT

Babesiosis Message Mapping Guide (MMG) (Stage 1—Draft)

- CDC is reviewing eight babesiosis test messages created from draft test case scenarios.
- CDC is completing internal reviews of responses to the babesiosis MMG external review comments.

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

- NMI technical assistance is working with pilot states to implement the STD and CS messages.

Foodborne and Diarrheal Disease (FDD) MMG (Stage I—Draft):

- The draft FDD MMG currently includes condition-specific data elements for the following conditions: Shiga toxin-producing *E. coli* (STEC), cryptosporidiosis, cyclosporiasis, cholera, vibriosis, and typhoid and paratyphoid fever. CDC is planning to add salmonellosis, shigellosis, and campylobacteriosis to the first release of the MMG based upon approved data elements.
- CDC expects to post the draft MMG this fall for external review.
- CDC is planning to pilot three Emerging Infections Program (EIP) states and is reaching out to selected non-EIP states for participation in the pilot.

Malaria MMG (Stage I—Draft)

- CDC is reviewing the draft MMG, test scenarios, and test messages.

Measles MMG (Stage I—Draft)

- CDC updated vocabulary codes in the measles MMG.

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

- CDC has identified potential pilot sites for the mumps and pertussis MMGs and will contact them in the near future.

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

- CDC is resolving external review comments and updating the rubella and CRS MMGs based on harmonization across the vaccine-preventable guides.

Trichinellosis (Requirements Analysis)

- No new updates at this time.

Varicella MMG (Stage I—Draft)

- The varicella MMG team provided the draft MMG to the CDC program, NEDSS Base System team, and APHL for review.
- CDC is updating the annotated surveillance worksheet for varicella based on feedback from an internal review.
- CDC is developing and reviewing test case scenarios.
- CDC completed the comparison of the *PHIN Messaging Guide for Case Notification v3.0* with the varicella MMG.
- CDC is working to identify and contact pilot sites for the varicella MMG.

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

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				
	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				
	Michigan				
	Minnesota				
	Mississippi				
	New Hampshire				
	New Jersey				
	New York				
	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; 9/19/17, 3:00PM ET; <http://www.cdc.gov/nmi/eshare.html>

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