NMI NOTES

NNDSS
National Notifiable Diseases
Surveillance System

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 Seeking Comments on Foodborne and Diarrheal Disease (FDD) Message Mapping Guide (MMG)
- CDC is seeking comments on the draft FDD MMG through 11/17/17.
- The feedback form, along with the guide, test scenarios, test messages, and annotated case report forms are available on the HL7 Case Notification Resource Center at https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html .

New Online Location for Annual Notifiable Disease Data Now Available
- A new convenient way for users to access notifiable disease data through the NNDSS website is now available at https://wwwn.cdc.gov/nndss/data-and-statistics.html. CDC 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.
- This transition improves the usability, availability, quality, and timeliness of surveillance data as part of the CDC Surveillance Strategy. Although the annual data are no longer published in the *Morbidity and Mortality Weekly Report* (*MMWR*), users can easily access the information on the NNDSS website. To ease the transition, *MMWR* also links users from its website to the new location on the NNDSS website.
- *Annual Reporting:* The redesigned NNDSS Data and Statistics webpage now contains links to infectious disease data tables that are available in HTML, text, and PDF formats and hosted by the CDC Wide-ranging Online Data for Epidemiologic Research (WONDER) platform. The webpage also provides links to noninfectious conditions and disease outbreaks surveillance reports published by CDC programs and hosted by WONDER. In addition, the webpage provides the following resources: documentation for NNDSS infectious diseases and noninfectious conditions and disease outbreaks, such as how the data are collected, reported, and finalized; publication criteria; notes about interpreting data; and the list of notifiable conditions by year.
- *Weekly Reporting:* CDC expects to transition the reporting of NNDSS weekly data in January 2018 and will provide more information later this year.

NMI eSHARE Updates
- The October 17 NMI eSHARE featured information from CDC and tips from states who have completed the arboviral v1.3 case notification implementation and onboarding process.
- The next NMI eSHARE is scheduled for November 21 at 3:00 PM ET and will provide a cornucopia of information about the NNDSS data transition, country of usual residence data element, binational reporting criteria, and unique case algorithm. Don't miss this information-packed session!
- 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 has 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.

HL7 Case Notification Messages in PRODUCTION

Arboviral v1.3
- CDC updated three test scenarios and associated test messages to fix a mismatch in the test scenario data (specimen type and lab test). The updated package was posted on the HL7 Case Notification Resource Center at https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html and discussed on the NMI eSHARE webinar on 10/17/17.

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

Generic v2
- CDC compared the current list of countries in the PHIN Vocabulary Access and Distribution System (PHIN VADS) (last updated in 2008) with the International Organization for Standardization (ISO) country code system and identified needed updates.
- CDC is updating Federal Information Processing Standards (FIPS) state and county codes in PHIN VADS.
- Alaska and Mississippi are the latest states to go into production for generic v2!
- States now in production for generic v2 are Alaska, Florida, Kansas, Michigan, Minnesota, Mississippi, New York, South Carolina, Oregon, and Wisconsin.
- California, Illinois, Massachusetts, and New Hampshire are engaged in onboarding.

Hepatitis
- In response to a recent CSTE position statement, CDC is planning to integrate notifications for perinatal Hepatitis C infections into the hepatitis MMG.
- 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 will update the test scenarios for CS due to changes to the lab template; however, the test scenario data and test messages will not be impacted.
- Based upon the CSTE position statement implementation for STD, CDC will make several updates to the MMG, including adding and revising event codes corresponding to the new nomenclature outlined in the CSTE position statement, deleting a data element from the MMG, and updating value sets.
- CDC also will update the lab template in the STD MMG.
- NMI technical assistance is working with pilot states to implement the STD and CS messages.

Foodborne and Diarrheal Disease MMG (Stage I—Draft):
- CDC posted the draft FDD MMG and feedback form, test scenarios, test messages, and annotated case report forms to the HL7 Case Notification Resource Center at https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html . The 4-week comment period is from 10/16/17 to 11/17/17.
- CDC and CSTE held a webinar to discuss the FDD MMG on 10/25/17.

Malaria MMG (Stage I—Draft)
- APHL provided feedback on the MMG, test scenarios, and test messages.
- CDC is updating the guide according to the feedback.

Measles MMG (Stage I—Draft)
- No new updates at this time.

Mumps and Pertussis MMGs (Stage II—Pilot Test-ready)
- CDC completed changes to the Vaccine-Preventable Disease Message Linkage section, combining the CDC and non-CDC laboratory repeating groups, in the mumps and pertussis artifacts (MMG, test scenarios, test messages).
- 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 making updates to the draft CRS and rubella MMGs based on feedback from internal preclearance.

Trichinellosis (Requirements Analysis)
- No new updates at this time.

Varicella MMG (Stage I—Draft)
- CDC delivered the updated MMG, annotated surveillance worksheet, test scenarios, and test messages to the technical assistance team in anticipation of piloting the message.
- CDC has identified potential pilot sites for the mumps and pertussis MMGs and will contact them in the near future.

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

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; 11/21/17, 3:00PM ET; http://www.cdc.gov/nmi/eshare.html

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