NMI Notes

FEBRUARY 2018

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Overall Updates

- **CDC Announces New Online Location for Weekly Notifiable Disease Data Now Available**
  - As of January 11, 2018, a new convenient way for users to access weekly notifiable disease data is available through the NNDSS website at https://wwwn.cdc.gov/nndss/data-and-statistics.html.
  - The recently redesigned NNDSS Data and Statistics webpage contains links to infectious disease data tables that are available in HTML, text, and PDF formats and hosted on the CDC WONDER platform. Figure 1, which was previously published in the *Morbidity and Mortality Weekly Report* (*MMWR*), also is available. In addition, the webpage provides NNDSS documentation, including how the data are collected and reported, publication criteria, notes about interpreting data, and the list of notifiable conditions by year.
  - This transition improves the usability, availability, quality, and timeliness of surveillance data as part of the CDC Surveillance Strategy.
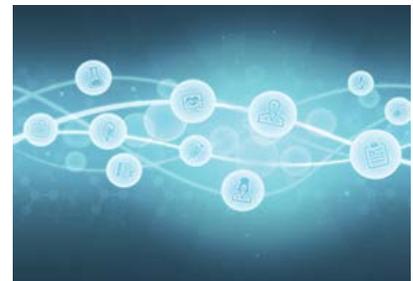- **MVPS Updates**
  - **MVPSu Implementation Planned for Early February**
    - The NMI technical assistance team worked with states who have already onboarded to the Message Validation, Processing, and Provisioning System (MVPS) to obtain updated transmissions that meet all MVPS upgrade (MVPSu) validations. Migration of data to the updated version of MVPS began 1/23/18.
    - The implementation of MVPS in early February will ensure that MVPSu is processing data in the production environment before the STD and congenital syphilis functionality is expected to go into production on 2/12/18.
  - **Latest Version of METS Now Available:** The latest version of the Message Evaluation and Testing Service (METS) is now available at https://mets.cdc.gov/. In this version, validations are based on the new MVPSu processing. In addition, METS now contains a beta release of STD and CS validation. For more information about METS, please access https://www.cdc.gov/nmi/mets.html.

- o **SAMS Access**: 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.
- **NMI eSHARE Updates**
  - o The 2018 NMI eSHARE series began on 1/16/18 with the session "Preparing for Sending NNDSS HL7 Case Notifications in 2018."
  - o The next session is scheduled for 2/20/18 and will present a walkthrough of the new STD and congenital syphilis (CS) case notification messages and MVPS dashboard.
  - o Access past eSHARE presentations and details about future events at the NMI eSHARE website at http://www.cdc.gov/nmi/eshare.html.

Production HL7 Case Notification Messages

Arboviral v1.3
- There are 12 states now in production for arboviral. Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for all the details.

Generic v2
- CDC posted the updated generic v2 message mapping guide (MMG) and test scenarios to the NNDSS HL7 Case Notification Resource Center at https://wwwn.cdc.gov/nndss/case-notification/.
- There are 12 states in production for generic v2. Delaware, Massachusetts, New Hampshire, and New York City are engaged in onboarding. Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for all the details.

Hepatitis
- CDC posted updated hepatitis MMG and test scenarios to the NNDSS HL7 Case Notification Resource Center at https://wwwn.cdc.gov/nndss/case-notification/.
- **Virginia is the latest state in production for hepatitis. Congratulations, Virginia!**
- There are 6 states in production for hepatitis. California, New York, and West Virginia are engaged in onboarding. Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for all the details.

Developing HL7 Case Notification Messages

Babesiosis MMG (Stage 1—Draft)
- CDC released the pilot test-ready MMG and artifacts to internal teams in early January.

Congenital Syphilis and STD MMGs (Stage II—Pilot Test-ready)
- MVPS UAT for STD/CS Functionality Held:
  - CDC held user acceptance testing (UAT) for the STD and CS functionality in MVPS from 1/16/18 to 1/31/18. UAT included program and jurisdiction testers.
  - Go-live with STD and CS functionality in MVPS is planned for 2/12/18.
- **CDC Expects To Post Finalized STD and CS MMGs by 2/9/18**
  - CDC reviewed the STD and CS technical assistance comments from the pilot testing sites to ensure that all changes have been made to the STD and CS MMGs.
  - CDC updated value sets in the STD view in the PHIN Vocabulary Access and Distribution System (VADS), based upon an issue identified by the pilot jurisdictions.

Foodborne and Diarrheal Disease (FDD) MMG (Stage I—Draft):
- Emerging Infections Program FoodNET project states continue to pilot the FDD MMG.
- CDC is making changes to the MMG based on feedback from the comment period and the pilot states.

Malaria MMG (Stage I—Draft)
- CDC delivered the pilot test-ready malaria MMG to the NMI technical assistance and MVPS teams on 1/18/18.
- CDC renamed the data element for "CDC Specimen ID" and added additional information to the description for this data element per CDC program feedback.

Measles MMG (Stage I—Draft)
- CDC completed all of the measles MMG content and is now reviewing the measles MMG for quality assurance.
- CDC assigned all vocabulary codes and is now updating VADS.

Mumps and Pertussis MMGs (Stage II—Pilot Test-ready)
- CDC updated notes for the Birth Weight data element to indicate the preference for sending the weight in "grams" and providing the formulas for converting from "pounds and ounces" and "kilograms."
- The mumps and pertussis MMGs are being pilot tested.

Respiratory and Invasive Bacterial Disease (RIBD) MMG (Requirements Analysis)
- CDC is reviewing modeling of maternal information in the RIBD MMG based upon practices used in the National Center for Immunization and Respiratory Diseases MMGs.
- CDC is working to post the draft MMG and schedule the CSTE webinar to provide an overview.

Rubella and Congenital Rubella Syndrome (CRS) MMGs (Stage I—Draft)
- CDC is reviewing the rubella and CRS MMGs internally.

Trichinellosis (Requirements Analysis—Accelerated Development Pilot)
- CDC is developing this MMG by using a new application, the Message Mapping Guide Authoring Tool, as part of a new pilot process to accelerate MMG development.
- CDC has restarted requirements analysis for the trichinellosis data element list, which the CDC program is reviewing.

Tuberculosis (TB) and Latent Tuberculosis Infection (LTBI) MMG (Requirements Analysis – Accelerated Development Pilot)

- CDC is developing this MMG by using a new application, the Message Mapping Guide Authoring Tool, as part of a new pilot process to accelerate MMG development.
- CDC completed the review and gap analysis of the data element list, Report of Verified Case of Tuberculosis, and Office of Management and Budget information for this guide.

Varicella MMG (Stage II—Pilot Test-ready)

- The varicella MMG is being pilot tested.

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/

Jurisdiction Implementation of NNDSS HL7 Case Notification Messages

Legend: 🟩 = Message in Production | 🟦 = Onboarding | 🔵 = Receiving TA | 🟪 = Pilot

Jurisdiction	Arboviral	Generic Version 2	Hepatitis	Congenital Syphilis*	Foodborne Diarrheal Disease*	Mumps*	Pertussis*	Sexually Transmitted Diseases*	Varicella*
Alabama	Receiving TA							Pilot	
Alaska		Production							
Arizona	Production			Pilot				Pilot	
Arkansas	Production	Pilot							
California	Receiving TA	Production	Onboarding						
Delaware	Production	Onboarding							
Florida	Production	Production	Production	Pilot		Pilot	Pilot	Pilot	Pilot
Idaho	Production	Production	Production					Pilot	
Illinois		Production							
Indiana	Receiving TA								
Kansas	Production	Production				Pilot			Pilot
Kentucky		Pilot	Pilot						
Louisiana		Pilot	Pilot			Pilot	Pilot		
Maine	Receiving TA								
Maryland	Production								
Massachusetts		Onboarding							
Michigan	Production	Production	Production	Pilot		Pilot	Pilot	Pilot	Pilot
Minnesota		Production			Pilot				
Mississippi		Production							
New Hampshire		Onboarding							
New Jersey		Receiving TA							
New York	Production	Production	Onboarding			Pilot			
New York City		Onboarding				Pilot			
North Carolina				Pilot				Pilot	
Oregon	Production	Production	Production	Pilot					
South Carolina		Production							
South Dakota	Production								
Tennessee	Production	Pilot	Pilot						
Texas	Production	Pilot							
Utah						Pilot	Pilot		Pilot
Virginia			Production						
West Virginia			Onboarding						
Wisconsin	Production	Production							

* These guides are currently being piloted by a small number of states and are not yet available to other states for implementation.

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

Upcoming Events

- NMI eSHARE; 2/20/18, 3:00PM ET;
  http://www.cdc.gov/nmi/eshare.html
- 2018 CSTE Annual Conference; 6/10/18 to 6/14/18;
  http://csteconference.org/2018/
- 2018 Public Health Informatics Conference; 8/20/18 to 8/23/18;
  http://phiconference.org/

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

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*.