NMI Notes

CDC   CSTE   APHL

JANUARY 2020

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Overall Updates

Holiday Schedule for NNDSS Data Collection
- CDC is closed for the federal holiday on Tuesday, 12/24/19, and Wednesday, 12/25/19. Jurisdictions should send their data for **week 51** to CDC no later than **2:00 PM ET, Friday, 12/20/19.**
- CDC is closed for the federal holiday on Wednesday, 1/1/20. Jurisdictions should send their data for **week 52** to CDC no later than **2:00 PM ET, Friday, 12/27/19.**
- If you have any questions or concerns, please contact your assigned CDC Data Operations Team representative or e-mail your concerns to **soib@cdc.gov.**
- **Thank you for your surveillance efforts in 2019! CDC looks forward to working with you during 2020!**

NMI eSHARE Updates
- The next NMI eSHARE session will be held on Tuesday, 1/21/20, at 3:00 PM ET, and will discuss what jurisdictions need to know about changes from CSTE position statements and implications for sending case notifications.
- Access past eSHARE presentations and details about future events at the NMI eSHARE website.

Letter to State Epidemiologists on 2020 NNDSS Changes
- CDC distributed the letter to State Epidemiologists summarizing changes to NNDSS for surveillance year 2020, based upon approved 2019 CSTE position statements, on 12/10/19.
    - The letter includes the following:
        - updates related to NNDSS HL7 message mapping guides;
        - retirement of summary records;

- submission of 2019 case notifications for *Candida auris* clinical, *Candida auris* colonization/screening, and carbapenemase-producing carbapenem-resistant *Enterobacteriaceae*;
- data reconciliation process and;
- retirement of Figure 1 NNDSS graphic.
    - Release 1 of the 2020 event code list was also distributed.
- CDC moved the [NNDSS website](#) for the 2020 surveillance year into production on 12/13/19. The website includes 2020 surveillance case definitions, the 2020 list of nationally notifiable diseases and outbreaks, release 1 of the 2020 event code list, the 2020 letter to state epidemiologists summarizing changes to the NNDSS, and other related information.

STD, CS and Eleven Additional Guides Expected to Open for Onboarding in 2020

- Sexually transmitted diseases (STD) and congenital syphilis (CS) MMGs will open for general onboarding in January. Watch for an email with additional information, including guidance from the STD program on implementation of these guides.
- CDC expects to open 11 additional guides for onboarding in early 2020:
    - mumps
    - pertussis
    - varicella
    - tuberculosis (TB) and latent TB infection (LTBI)
    - babesiosis
    - trichinellosis
    - malaria
    - Lyme and tickborne rickettsial diseases (Lyme/TBRD)
    - healthcare-associated infections multi-drug resistant organisms (HAI MDRO)
    - foodborne and diarrheal diseases (FDD)
    - respiratory invasive bacterial diseases (RIBD).
- Three NNDSS HL7 message mapping guides—generic v2, arboviral, and hepatitis—are currently open for general onboarding; access them at the [NNDSS HL7 Case Notification Resource Center](#):

MQF Retires with Updates to METS

- CDC will retire the Message Quality Framework (MQF) application on 1/6/20. MQF services are now provided in the [Message Evaluation and Testing Service](#) (METS).
- Please note these updates to METS that were made on 12/6/19:
    - In addition to final MMG specifications, this release included message validation for all case notification, public health promoting interoperability (meaningful use), and PHLIP message domains that are currently provided by MQF.
    - With this latest release, METS provides sample messages for all implemented MMGs. Users may either validate their own sample message or choose from the selection of samples now available on the [Message Validation page](#) of METS.

Join a Cohort to Jumpstart Your MMG Implementations!

- The NMI APHL Technical Assistance team is launching technical assistance to help groups, or *cohorts*, of public health agencies build and implement NNDSS HL7 case notification messages.
- Cohorts of 4–6 public health agencies will focus on specific message mapping guides.
- APHL subject matter experts will guide participants through planning, gap analysis, data extraction, HL7 message creation, and validation. At completion, public health agencies will be ready to begin onboarding.

- For those interested in joining a cohort, please email the CDC Electronic Data Exchange mailbox at edx@cdc.gov.

SAMS Access Reminder
- The NMI team encourages all 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.

Production HL7 Case Notification Messages

Arboviral v1.3
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- There are 22 jurisdictions in production for arboviral. **Wyoming is the latest jurisdiction in production. Congratulations, Wyoming!**
- Alabama, Indiana, Louisiana, Montana, New Jersey, and Washington, are engaged in onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Babesiosis
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.
- Pilot jurisdiction Wisconsin is engaged in onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Congenital Syphilis and STD
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- **Connecticut is the latest jurisdiction in production for STD and CS. Congratulations, Connecticut!** Pilot jurisdictions Idaho and Oregon are also in production. Pilot jurisdictions Michigan and North Carolina are engaged in onboarding.
- CDC will open these guides for general onboarding in January and is working on a schedule for other states waiting to onboard. Watch for an email with additional information, including guidance from the STD program on implementation of these guides.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Foodborne and Diarrheal Diseases
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- Pilot jurisdiction Oregon and Michigan are engaged in onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Generic v2
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- There are 28 jurisdictions in production for generic v2.

- Indiana, Kentucky, Pennsylvania, and Rhode Island are engaged in onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Hepatitis
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- There are 17 jurisdictions in production for hepatitis.
- Delaware, Iowa, Nebraska, New Jersey, Puerto Rico, Rhode Island, and Utah are engaged in onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Lyme and Tickborne Rickettsial Diseases
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- Pilot jurisdiction Michigan and Illinois are engaged in onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Malaria
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Mumps and Pertussis
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- Due to work on other MMGs from this center, CDC anticipates opening onboarding to additional jurisdictions in early 2020.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Trichinellosis
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.
- Pilot jurisdiction Wisconsin is engaged in onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Tuberculosis and Latent Tuberculosis Infection
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
  - CDC expects to post minor updates to the MMG (v 3.0.2) and artifacts in December.
- Pilot jurisdiction Arizona is engaged in onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Varicella
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- Due to work on other MMGs from this center, CDC anticipates opening onboarding to additional jurisdictions in early 2020.

- Please see the chart below, "[Jurisdiction Implementation of NNDSS HL7 Case Notification Messages](#)," for more details.

Developing HL7 Case Notification Messages

Bacterial Special Pathogens (Requirements Analysis)
- The CDC programs are reviewing the draft version of the MMG (brucellosis, anthrax, leptospirosis, and Hansen's disease). The external comment period for the MMG is expected to occur in January 2020.

Carbon Monoxide Poisoning (CO) (Stage I—Draft)
- The CDC program is reviewing the pilot test-ready version of the MMG.
- The program also created draft implementation guidance and a data element priorities list.

Healthcare Associated Infections, Multi-Drug Resistant Organisms (Stage III—Final MMG)
- CDC expects to post the final version of the MMG on the [NNDSS HL7 Case Notification Resource Center](#) in early January 2020.

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

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

Measles (Stage II—Pilot Test-ready)
- CDC conducted user acceptance testing of the measles MMG in conjunction with the rubella and congenital rubella syndrome (CRS) MMGs from 12/9/19 to 12/13/19.

Respiratory Invasive Bacterial Disease (Stage III—Final MMG)
- CDC is finalizing the MMG and artifacts.
- CDC expects to post the final MMG on the [NNDSS HL7 Case Notification Resource Center](#) in early January 2020.

Rubella and Congenital Rubella Syndrome (Stage II—Pilot Test-ready)
- CDC conducted user acceptance testing of the rubella and CRS MMGs in conjunction with the measles MMG from 12/9/19 to 12/13/19.

Resources

- NMI Technical Assistance and Training Resource Center: https://www.cdc.gov/nmi/ta-trc/
- 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: https://www.cdc.gov/nmi/eshare.html
- NMI Newsroom: https://www.cdc.gov/nmi/newsroom.html
- NMI Internet Site (includes NMI fact sheets and FAQs): https://www.cdc.gov/nmi/

Jurisdiction Implementation of NNDSS HL7 Case Notification Messages

Legend:
- = Message in Production (green)
- = Onboarding (blue)
- = Receiving TA (light blue)
- = Pilot (purple)
- = Finalized Guide (cream)
- = In Pilot (gray)

Jurisdiction	Arboviral	GenV2	Hepatitis	Congenital Syphilis*	STD*	Mumps*	Pertussis*	Varicella*	Foodborne Diarrheal Disease*	Lyme/ TBRD*	TB/ LTBI*	Malaria*	Trichinellosis*	Babseiosis*	HAI MDRO*	RIBD*	Rubella*	CRS*	Measles*
Alabama																			
Alaska																			
Arizona																			
Arkansas																			
California																			
Colorado																			
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Texas																			
Utah																			
Virginia																			
Washington																			
West Virginia																			
Wisconsin																			
Wyoming																			

* These guides are not yet available to non-pilot jurisdictions 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; 1/21/20, 3:00PM ET;
  https://www.cdc.gov/nmi/eshare.html
- CSTE Annual Conference; 6/28/20–7/2/20
  https://www.csteconference.org/

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

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