

NMI Notes



DECEMBER 2019

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Overall Updates

Holiday Schedule for NNDSS Data Collection

- CDC is closed for the federal holiday on 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, 12/17/19, at 3:00 PM ET, and will discuss what jurisdictions need to know about implementing the new NNDSS respiratory and invasive bacterial disease (RIBD) HL7 case notification message.
- Access past eSHARE presentations and details about future events at the [NMI eSHARE website](#).

Letter to State Epidemiologists on 2020 NNDSS Changes Coming Soon

- In mid-December 2019, the NNDSS team will send all state epidemiologists a letter outlining the changes to NNDSS for surveillance year 2020. Surveillance contacts will also receive a copy.
- The NNDSS website at <https://wwwn.cdc.gov/nndss> will be updated to include new and revised surveillance case definitions for 2020 and the 2020 event code list.

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 (CS) and STD

- The MMG and artifacts are available on the [NNDSS HL7 Case Notification Resource Center](#).
- Pilot jurisdictions Idaho and Oregon are in production for STD and CS. Pilot jurisdictions Connecticut, Michigan, and North Carolina are engaged in onboarding.
- CDC is working on a schedule for other states waiting to onboard and will provide details in future status updates.
- Please see the chart below, “[Jurisdiction Implementation of NNDSS HL7 Case Notification Messages](#),” for more details.

Foodborne and Diarrheal Diseases (FDD)

- The MMG and artifacts are available on the [NNDSS HL7 Case Notification Resource Center](#).
- Pilot jurisdiction Oregon is 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 (TBRD)

- 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 (TB) and Latent Tuberculosis Infection (LTBI)

- 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)

- CDC is developing separate MMGs for brucellosis, anthrax, leptospirosis, and Hansen’s disease.
- The CDC programs are reviewing the draft version of the combined MMG.

Valid Values	HL7 Message Context	HL7 Data Type
Includes FIPS Codes Country in 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

Carbon Monoxide Poisoning (CO) (Stage I—Draft)

- The CDC program is reviewing the pilot test-ready version of the MMG.
- The program also is working on draft implementation guidance and a data element priorities list.

Healthcare Associated Infections, Multi-Drug Resistant Organisms (HAI MDRO) (Stage II—Pilot Test-ready)

- CDC expects to post the final version of the MMG on the [NNDSS HL7 Case Notification Resource Center](#) soon.

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 is preparing for user acceptance testing of the measles MMG in early December in conjunction with the rubella and congenital rubella syndrome (CRS) MMGs.

Respiratory and 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](#) by the end of December.

Rubella and Congenital Rubella Syndrome (Stage II—Pilot Test-ready)

- CDC is preparing for user acceptance testing of the rubella and CRS MMGs in early December in conjunction with the measles MMG.

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/>



States piloting, onboarding, or in production with HL7 NNDSS case notifications.

Jurisdiction Implementation of NNDSS HL7 Case Notification Messages

<div><div><div></div><div>= Message in Production</div></div><div><div></div><div>= Onboarding</div></div><div><div></div><div>= Receiving TA</div></div><div><div></div><div>= Pilot</div></div><div><div></div><div>= Finalized Guide</div></div><div><div></div><div>= In Pilot</div></div></div>																			
Jurisdiction	Arboviral	GenV2	Hepatitis	Congenital Syphilis*	STD*	Mumps*	Pertussis*	Varicella*	Foodborne Diarrheal Disease*	Lyme/ TBRD*	TB/ LTBI*	Malaria*	Trichinellosis*	Babesiosis*	HAI MDRO*	RIBD*	Rubella*	CRS*	Measles*
Alabama																			
Alaska																			
Arizona																			
Arkansas																			
California																			
Colorado																			
Connecticut																			
Delaware																			
Florida																			
Georgia																			
Hawaii																			
Idaho																			
Illinois																			
Indiana																			
Iowa																			
Kansas																			
Kentucky																			
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New Hampshire																			
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New York																			
New York City																			
North Carolina																			
North Dakota																			
Oregon																			
Pennsylvania																			
Rhode Island																			
Puerto Rico																			
South Carolina																			
South Dakota																			
Tennessee																			
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; 12/17/19, 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.

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*.

Centers for Disease Control and Prevention | Council of State and Territorial Epidemiologists | Association of Public Health Laboratories

Write: edx@cdc.gov Visit: www.cdc.gov/nmi
www.cste.org