



NNDSS

National Notifiable Diseases
Surveillance System

NMI Notes



SEPTEMBER 2019

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Overall Updates

Update to 2019 NNDSS Event Code List Released

- CDC posted Release 3 of the 2019 NNDSS Event Code List to the [Message Mapping Guide \(MMG\) Related Documentation Section of the HL7 Case Notification Resource Center](#).
- The list of new conditions follows. Those in bold are nationally notifiable.
 - **Candida auris, clinical** (50263)
 - *Candida auris*, colonization/screening (event code 50264)
 - **Carbapenemase-Producing Carbapenem-Resistant *Enterobacteriaceae* (CP-CRE)** (event code 50244)
 - **Carbon Monoxide Poisoning** (32016)
 - Respiratory Syncytial Virus-Associated Deaths (11646)
 - Enterotoxigenic *Escherichia coli* (ETEC) (11566).
- Other than ETEC, all conditions should be sent by using the generic v2 message until condition-specific messages are available. ETEC should be sent only by FoodNET programs using the food and diarrheal diseases (FDD) message.
- Before you initiate transmissions, please contact the NNDSS Onboarding team at edx@cdc.gov for a mini-onboarding.
- Please send case notifications for the entire 2019 surveillance year.
- Data for **Candida auris, clinical** (50263), and **Carbapenemase-Producing Carbapenem-Resistant *Enterobacteriaceae*** (event code 50244) will be included in the [weekly NNDSS tables](#) in Table 1f and Table 1g, respectively.

Welcome the New NNDSS Program Manager

- Please help us welcome Sara Imholte Johnston as the new NNDSS Program Manager! She comes to us with a depth of knowledge in disease surveillance and public health surveillance systems.

- For the past 10 years she served the Arizona Department of Health Services using her surveillance, epidemiology, and informatics expertise to guide case-based surveillance, lab reporting, and syndromic surveillance. Prior to that, she was a public health epidemiologist conducting disease-specific investigations and analytic projects.
- She holds an MPH from the University of Minnesota and HL7 certification.

NMI eSHARE Updates

- The next NMI eSHARE session will be held on Tuesday, 9/17/19, at 3:00 PM ET. The webinar will cover key NNDSS hot topics.
- Access past eSHARE presentations and details about future events at the [NMI eSHARE website](#).

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 21 jurisdictions in production for arboviral. **Illinois and New York City are the latest jurisdictions in production. Congratulations, Illinois and New York City!**
- Alabama, Alaska, Indiana, Louisiana, New Jersey, Nevada, Washington, and Wyoming are 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](#).
 - The STD v1.0.1 MMG and associated artifacts were posted on 7/22/19. The new version of the MMG includes an updated value set.
 - The STD v1.0 MMG is still supported.
- CDC is working on a schedule for states waiting to onboard and will provide details in future status updates.
- Pilot jurisdictions Connecticut, Michigan, and North Carolina 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 27 jurisdictions in production for generic v2.
- Indiana, Puerto Rico, Rhode Island, and Tennessee 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.
- Nebraska, Nevada, and Rhode Island are engaged in 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 measles outbreaks and 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.

Varicella

- The MMG and artifacts are available on the [NNDSS HL7 Case Notification Resource Center](#).
- Due to work on measles outbreaks and 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

Babesiosis (Stage III—Final MMG)

- 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.

Valid Values	HL7 Message Context	HL7 Data Type
US FIPS Codes Country State codes for Provinces and Territories	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

Bacterial Special Pathogens (Requirements Analysis)

- CDC is developing an MMG for brucellosis, anthrax, leptospirosis, and Hansen's disease.
- The CDC MMG team and CDC program began holding weekly MMG development meetings on 7/10/19.

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

- The external review period for the CO draft MMG ended on 8/22/19.

Foodborne and Diarrheal Diseases (FDD) (Stage III—Final MMG)

- CDC posted a data element priority list on the [NNDSS HL7 Case Notification Resource Center](#) on 7/22/19.

- The final FDD guide and artifacts also are available on the [NNDSS HL7 Case Notification Resource Center](#).
- CDC continues to assist pilot jurisdictions during the onboarding process.
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.

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

- An updated version of the pilot test-ready MMG was delivered to the NMI teams on 8/16/19.

Lead Poisoning (Requirements Analysis)

- No new updates at this time.

Listeriosis (Stage I—Draft)

- No new updates at this time.

Lyme and Tickborne Rickettsial Diseases (TBRD) (Stage III—Pilot Test-ready)

- CDC expects to soon post the final MMG and artifacts on the [NNDSS HL7 Case Notification Resource Center](#).
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.

Malaria (Stage III—Final MMG)

- CDC expects to soon post the final MMG and artifacts on the [NNDSS HL7 Case Notification Resource Center](#).
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.

Measles (Stage II—Pilot Test-ready)

- Piloting is underway.
- CDC is piloting this guide in conjunction with the rubella and CRS MMGs.

Respiratory and Invasive Bacterial Disease (RIBD) (Stage II—Pilot Test-ready)

- User acceptance testing (UAT) for RIBD began on 8/19/2019.

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

- Piloting is underway.
- CDC is piloting these guides in conjunction with the measles MMG.

Trichinellosis (Stage III—Final MMG)

- CDC expects to soon post a minor update to the MMG (v 1.0.1) and artifacts on the [NNDSS HL7 Case Notification Resource Center](#).
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.

Tuberculosis (TB) and Latent Tuberculosis Infection (LTBI) (Stage III-Final MMG)

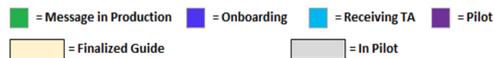
- CDC expects to soon post a minor update to the MMG (v 3.0.1) and artifacts on the [NNDSS HL7 Case Notification Resource Center](#).
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.

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



Jurisdiction	Arboviral	GenV2	Hepatitis	Congenital Syphilis	STD	Mumps	Pertussis	Varicella	Foodborne Diarrheal Disease	TB/LTBI*	Malaria*	Trichinellosis*	Babesiosis*	RIBD*	Lyme/TBRD*	HAI MDRO*	Rubella*	CRS*	Measles*
Alabama																			
Alaska																			
Arizona																			
Arkansas																			
California																			
Colorado																			
Connecticut																			
Delaware																			
Florida																			
Georgia																			
Hawaii																			
Idaho																			
Illinois																			
Indiana																			
Iowa																			
Kansas																			
Kentucky																			
Louisiana																			
Maine																			
Maryland																			
Massachusetts																			
Michigan																			
Minnesota																			
Mississippi																			
Montana																			
Nebraska																			
Nevada																			
New Jersey																			
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 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; 9/17/19, 3:00PM ET;
<https://www.cdc.gov/nmi/eshare.html>

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