



NNDSS

National Notifiable Diseases
Surveillance System

NMI Notes



MAY 2020

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Overall Updates

CSTE Approved an Interim Position Statement for COVID-19

- On April 5, 2020, the Council of State and Territorial Epidemiologists Executive Board approved the interim position statement “Interim-20-ID-01” entitled [Standardized surveillance case definition and national notification for 2019 novel coronavirus disease \(COVID-19\)](#).
- It provides the national standardized surveillance case definition for COVID-19, including asymptomatic infections caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and explicitly adds COVID-19 to the list of nationally notifiable conditions.
- The new case definition is now available on the NNDSS Surveillance Case Definitions webpage: <https://wwwn.cdc.gov/nndss/conditions/coronavirus-disease-2019-covid-19/>.
- **Jurisdictions should use this national surveillance case definition immediately for all 2020 case notifications submitted to CDC’s National Notifiable Diseases Surveillance System (NNDSS).**
- This information was distributed in a letter sent to all state epidemiologists on April 20. The letter can be found [here](#).

NNDSS Annual Reconciliation Postponed by Four Months

- The annual reconciliation of 2019 NNDSS data will be postponed by four months to allow states and CDC program staff to focus on the COVID-19 response.
- The new dates are shown in the table below.
- Please feel free to reach out to the Data Operations Team if you have any questions or concerns.

Revised Dates for Reconciliation of 2019 NNDSS Data

New Dates	Activity
Aug 28, 2020	Last day for jurisdictions to send 2019 data in <u>weekly</u> NETSS transmissions
Sep 25, 2020	ArboNet database closed
Sep 30, 2020	STD database closed
Sep 30, 2020	Ped Flu and Novel Flu database closed
Sep 30, 2020	Rabies, animal and human database closed
Sep 30, 2020	Varicella morbidity and mortality database closed
Sep 30, 2020	Last day for jurisdictions to transmit/update the 2019 FINAL data
Oct 16, 2020	Distribution of final counts to State Epidemiologists for signatures
Oct 30, 2020	Last day for State/Territorial Epidemiologist to return approved counts
Oct 30, 2020	Finalized 2019 NNDSS database closed at CDC
Mar 12, 2021	Publication of 2019 NNDSS Annual Tables

Reporting of COVID-19 through NNDSS:

- Jurisdictions can now initiate COVID-19 reports through NNDSS and provide supplemental information through an upload or direct entry to DCIPHER. Please see the guidance provided by the CDC EOC on 4/7/20 for details. (You may email edx@cdc.gov for a copy.)
- We encourage jurisdictions to send COVID-19 case notifications in NNDSS and would like to have complete counts in NNDSS when the 2020 data reconciliation is complete.
- Please use **event code 11065** for COVID-19 cases submitted through NNDSS.
- To support linkage of NNDSS case notifications to data collected through the other methods:
 - Please **include CDC COVID-19 case identifier** in comment field in case notifications.
 - Please include the **HL7 Local Record ID (OBR-3) or the National Electronic Telecommunications System for Surveillance (NETSS) Case ID on all supplemental information** provided to CDC.
- We encourage you to transmit more often than once a week to provide up-to-date information.
- Please contact the CDC Electronic Data Exchange mailbox at edx@cdc.gov for technical support and with any questions.

Target Date for Transition to New TB/LTBI Case Notification Message Extended

- Given the current coronavirus situation, the Division of Tuberculosis Elimination (DTBE) has extended the deadline for cooperative agreement funding recipients to transition to the new tuberculosis (TB) and latent TB infection (LTBI) case notification message.
- Jurisdictions are now expected to complete the transition by the end of 2021 rather than the end of 2020.
- The TB Program remains ready to assist any jurisdiction that wants to work on the new TB/LTBI message at any time.

SAMS NETSS Secure File Transfer Migrated to SAMS Secure Data eXchange:

- Jurisdiction users who deliver NETSS files via CDC Secure Access Management Services (SAMS) must now upload their NETSS files through SAMS Secure Data eXchange (SAMS SDX).
- CDC emailed documentation on the new upload process to NETSS senders in March. This documentation also is available on the NNDSS website under [Downloads and Resources](#).
- See the 3/17/2020 and 2/18/20 eSHARE presentations and webinar recordings in the [NMI eSHARE archives](#) for more information about this change.
- Please contact edx@cdc.gov with questions.

Additional Guides Expected to Open for Onboarding in 2020

- CDC opened the sexually transmitted diseases (STD) and congenital syphilis (CS) MMGs for onboarding in January, starting with a few jurisdictions that had already completed preparation work. Watch for an email with additional information, including guidance from the STD program on implementation of these guides.
- CDC opened the malaria MMG for onboarding, beginning with the pilot states. When the demands of the COVID-19 response decrease, more information about the guide will be presented on an eSHARE call.
- CDC expects to open 10 additional guides for onboarding in 2020:
 - mumps
 - pertussis
 - varicella
 - TB and LTBI
 - babesiosis
 - trichinellosis
 - 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).
- Several NNDSS HL7 message mapping guides—generic v2, arboviral, hepatitis, and malaria—are currently open for general onboarding. Access them at the [NNDSS HL7 Case Notification Resource Center](#).

NMI eSHARE Updates

- The next NMI eSHARE session is scheduled for Tuesday, 5/19/20, from 3:00 to 3:30 PM ET. Please note that CDC is changing the duration of the session to 30 minutes to be mindful of everyone's time during the response. The May topic will be announced at a later time.
- 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 provides 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 focus on specific message mapping guides.
- APHL subject matter experts 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.

Production HL7 Case Notification Messages

Arboviral v1.3

- The MMG and artifacts are available on the [NNDSS HL7 Case Notification Resource Center](#).
- There are 25 jurisdictions in production for arboviral. **Indiana is the latest jurisdiction in production for Arboviral. Congratulations, Indiana!**
- Louisiana, Massachusetts, New Jersey, South Carolina, 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

- MMGs and artifacts are available on the [NNDSS HL7 Case Notification Resource Center](#).
 - **Please note that new versions of the STD and CS guides will be available soon.**
 - **Jurisdictions implementing current versions of the guides will be allowed to onboard with them.**
 - **Jurisdiction users who have not yet implemented the current versions of the guides should wait until the new versions are released.**
- CDC opened the current versions of the guides for onboarding in January and is working with a set of states that have completed pre-onboarding work.
 - There are 4 pilot jurisdictions in production for STD and CS. **North Carolina is the latest jurisdiction in production for CS. Congratulations, North Carolina!**
 - Alabama, Michigan, South Carolina, and Wisconsin are engaged in onboarding.
 - 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 31 jurisdictions in production for generic v2.
- Guam, Indiana, New Hampshire, and West Virginia are engaged in onboarding.
- Please see the chart below, [Jurisdiction Implementation of NNDSS HL7 Case Notification Messages](#), for more details.

Healthcare-Associated Infections, Multi-Drug Resistant Organisms

- 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 jurisdictions Colorado and Michigan 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 21 jurisdictions in production for hepatitis. **Rhode Island is the latest jurisdiction in production for hepatitis. Congratulations, Rhode Island!**
- Guam, Nebraska, New Jersey, and Puerto Rico 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 jurisdictions Idaho, Illinois, and Michigan 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.
- There is 1 jurisdiction in production for malaria.
- Michigan is 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](#).
- CDC anticipates opening onboarding to additional jurisdictions in mid-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 soon.
- 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](#).
- CDC anticipates opening onboarding to additional jurisdictions in mid-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 will be submitting an Office of Management and Budget (OMB) non-substantive change request for new data elements for brucellosis, anthrax, leptospirosis, and Hansen's disease once approval has been received for the current 2019 revision package.
- COVID-19 support issues have delayed the external review comment period to gather jurisdiction feedback. CDC will provide more details as soon as they are available.

Valid Values	HL7 Message Context	HL7 Data Type
Country FIPS Codes	OBX segment with OBX-3=INV503	CWE
Country codes for Provinces and States	OBX-5=Value from value Set	
	OBX segment with OBX-3=INV504 OBX-5=String (up to 199 characters)	ST RE

Carbon Monoxide Poisoning (CO) (Stage II—Pilot Test-ready)

- CDC is verifying the test case scenario worksheet and the MMG data element priority list before distributing the pilot test-ready version of the MMG.
- An additional data element has been identified by the CDC program for inclusion in an OMB non-substantive change request.

Lead Poisoning (Requirements Analysis)

- No new updates at this time.

Listeriosis (Stage I—Draft)

- No new updates at this time.

Measles (Stage III—Final MMG)

- CDC anticipates posting the final guide and artifacts to the [NNDSS HL7 Case Notification Resource Center](#) in early May.

Respiratory Invasive Bacterial Disease (Stage III—Final MMG)

- CDC posted the final guide and artifacts to the [NNDSS HL7 Case Notification Resource Center](#) on April 14.

Rubella and Congenital Rubella Syndrome (Stage III—Final MMG)

- CDC anticipates posting the final guides and artifacts on the [NNDSS HL7 Case Notification Resource Center](#) in early May.

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

■ = Message in Production
 ■ = Onboarding
 ■ = Receiving TA
 ■ = Pilot
 = Finalized Guide
 = In Pilot

Jurisdiction	Arboviral	GenV2	Hepatitis	Congenital Syphilis	STD	Mumps*	Pertussis*	Varicella*	Foodborne Diarrheal Disease*	Lyme/TBRD*	TR/ LTB1*	Malaria*	Trichinellosis*	Babesiosis*	HAI MDRO*	RIBD*	Rubella*	CRS*	Measles*
Alabama																			
Alaska																			
Arizona																			
Arkansas																			
California																			
Colorado																			
Connecticut																			
Delaware																			
Florida																			
Georgia																			
Hawaii																			
Idaho																			
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Virginia																			
Washington																			
West Virginia																			
Wisconsin																			
Wyoming																			
U.S. Territories																			
Guam																			
Puerto Rico																			

* These guides are not yet available to non-pilot jurisdictions for implementation.

This chart shows the status of state public health departments that 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; 5/19/20, 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
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