NMI Notes

CDC CENTERS FOR DISEASE CONTROL AND PREVENTION   **CSTE**   **APHL**

NNDSS
National Notifiable Diseases
Surveillance System

JUNE 2019

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Overall Updates

NNDSS Annual Reconciliation for 2018 Data in Final Stages
- All jurisdictions should have transmitted their 2018 <u>FINAL</u> year-to-date data files and updates to CDC before May 31.
- CDC will distribute final counts for State Epidemiologist review and approval in early June; jurisdictions must return them before June 30.

NMI eSHARE Updates
- The next NMI eSHARE session will be held on Tuesday, 7/16/19, at 3:00 PM ET. The webinar will feature highlights from the 2019 CSTE Annual Conference related to NNDSS and case-based surveillance.
- Access past eSHARE presentations and details about future events at the [NMI eSHARE website](#).

Deadline Approaching: Have You Upgraded to PHINMS 3.1?
- If you have not already done so, please upgrade to PHIN Messaging System (PHINMS) 3.1, the latest version of PHINMS.
- Due to security risks, PHINMS will be able to accept messages sent using TLS 1.2 only, which requires PHINMS 3.1.
- After June 30, 2019, the CDC PHINMS receiver will reject messages sent using TLS 1.0 or TLS 1.1.
- Many jurisdictions have already upgraded and are successfully using the new PHINMS software.
- Upgrading to TLS 1.2 is not complex; however, if you face challenges, both the PHINMS 3.1 installation guides and helpdesk support are readily available at the [PHINMS website](#).

- For help, contact the PHIN helpdesk at phintech@cdc.gov or 1-800-532-9929.

Message Evaluation and Testing Service Now Has All MQF Functionality
- CDC recently incorporated Message Quality Framework (MQF) validation tool functionality into the Message Evaluation and Testing Service (METS) tool.
- Jurisdictions should use METS for validation of <u>all</u> HL7 NNDSS messages.

Join a Cohort to Jumpstart Your MMG Implementations!
- The NMI APHL Technical Assistance team is launching a new type of 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 (MMGs).
- 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 message mapping guide (MMG) and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- There are 19 jurisdictions in production for arboviral.
- Alabama, Alaska, Illinois, Indiana, New York City, Puerto Rico, 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.
- **Congratulations to Oregon and Idaho for being the first jurisdictions in production for CS and STD! CDC is making final preparations to open production for all jurisdictions and will provide details when available.**
- Michigan and North Carolina are engaged in onboarding.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for details.

Generic v2
- The MMG and artifacts are available on the NNDSS HL7 Case Notification Resource Center.
- There are 26 jurisdictions in production for generic v2. **Montana is the latest jurisdiction in production. Congratulations, Montana!**
- Indiana, Maine, and Puerto Rico 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 15 jurisdictions in production for hepatitis.
- Colorado, Indiana, and Nevada 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.
- **Congratulations to Utah for being the first jurisdiction in production for mumps and pertussis!**
- CDC will open up onboarding to non-pilot states when other guides from this CDC program that are in piloting have been finalized. We will provide more details in future status updates.
- 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.
- **Congratulations to Utah for being the first jurisdiction in production for varicella!**
- CDC will open up onboarding to non-pilot states when other guides from this CDC program that are in piloting have been finalized. We will provide more details in future status updates.
- Please see the chart below, "Jurisdiction Implementation of NNDSS HL7 Case Notification Messages," for more details.

Developing HL7 Case Notification Messages

Babesiosis (Stage II—Pilot Test-ready)
- CDC delivered an updated version of the pilot test-ready babesiosis MMG to internal teams on 5/15/19.
- Message Validation, Processing, and Provisioning System (MVPS) user acceptance testing (UAT) began on 5/20/19.

Bacterial Special Pathogens (Pre-work)
- CDC is developing an MMG for brucellosis, anthrax, leptospirosis, and Hansen's disease.
- The CDC program completed their pre-work on 4/26/19.
- CDC created draft data element lists for brucellosis, leptospirosis, and Hansen's disease and is developing the anthrax data element list.
- The CDC MMG team and CDC program will hold the guide development kick-off meeting on 6/13/19.

Carbon Monoxide Poisoning (CO) (Requirements Analysis)
- CDC received the LOINC and SNOMED requests for new vocabulary.
- The CSTE webinar to gather jurisdiction feedback on the draft MMG has been rescheduled for 7/22/19 at 3:00–4:00 PM ET.

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

- CDC continues to assist jurisdictions during the onboarding process.
- The final FDD guide 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.

Healthcare Associated Infections, Multi-Drug Resistant Organisms (HAI MDRO) (Stage II—Pilot Test-ready)
- The HAI MDRO MMG is now in pilot testing phase.
- CDC held a pilot kickoff meeting on 5/6/19.
- CDC submitted an Office of Management and Budget (OMB) Paperwork Reduction Act (PRA) non-substantive change request for new data elements for Carbapenemase Producing Carbapenem-Resistant Enterobacteriaceae (CP-CRE) and *Candida auris* on 5/15/19.

Lead Poisoning (Requirements Analysis)
- CDC is considering a strategy for updating or combining the NNDSS and lead exposure OMB PRA packages.
- CDC updated value sets in the PHIN Vocabulary Access and Distribution System for the lead poisoning MMG.

Listeriosis (Stage I—Draft)
- CDC updated the 2019 NNDSS Event Code List to include changes for listeriosis in the print criteria, note, and preferred mechanism for sending case notifications to NNDSS. No changes to event codes were made in this release.
- The updated 2019 NNDSS Event Code List is available in the [HL7 Case Notification Resource Center](#) section of the NNDSS website.

Lyme and Tickborne Rickettsial Diseases (TBRD) (Stage II—Pilot Test-ready)
- Piloting is underway,
- Based on feedback received, CDC incorporated two data elements into repeating groups and revised the organ transplant section.

Malaria (Stage II—Pilot Test-ready)
- CDC delivered updated pilot test-ready malaria artifacts to internal NMI teams on 4/22/19.
- CDC submitted an OMB PRA nonsubstantive change request for new data elements for malaria to OMB on 5/15/19.
- CDC is piloting this guide in conjunction with the babesiosis and trichinellosis MMGs.

Measles (Stage II—Pilot Test-ready)
- CDC held the pilot kickoff meeting on 5/20/19.
- CDC is piloting this guide in conjunction with the rubella and CRS MMGs.

Respiratory and Invasive Bacterial Disease (RIBD) (Stage II—Pilot Test-ready)
- Piloting is underway.
- Based on feedback, CDC is updating MMG structure and content, which will extend piloting.

Rubella and Congenital Rubella Syndrome (CRS) (Stage II—Pilot Test-ready)
- CDC held the pilot kickoff meeting on 5/20/19.
- CDC is piloting these guides in conjunction with the measles MMG.

Trichinellosis (Pilot Test Ready—Accelerated Development Pilot)

- MVPS UAT began on 5/20/19.
- CDC is piloting this guide in conjunction with the babesiosis and malaria MMGs.

Tuberculosis (TB) and Latent Tuberculosis Infection (LTBI) (Pilot Test-ready—Accelerated Development Pilot)
- MVPS UAT began on 5/20/19.

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
- 🟦 = Onboarding
- 🟦(cyan) = Receiving TA
- 🟪 = Pilot
- 🟨(cream) = Finalized Guide
- ⬜(gray) = In Pilot
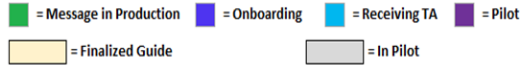
Jurisdiction	Arboviral	GenV2	Hepatitis	Congenital Syphilis	STD	Mumps	Pertussis	Varicella	Foodborne Diarrheal Disease	TB/LTBI*	Malaria*	Trichinellosis*	Babseiosis*	RIBD*	Lyme/TBRD*	HAI MDRO*	Rubella*	CRS*	Measles*
Alabama	Onboarding	Production	Production		Pilot														Pilot
Alaska	Onboarding	Production	Production																
Arizona	Production	Production	Receiving TA	Pilot						Pilot							Pilot	Pilot	Pilot
Arkansas	Production	Pilot	Pilot																
California	Receiving TA	Production	Receiving TA																
Colorado		Production	Onboarding													Pilot			
Connecticut		Production		Onboarding	Onboarding						Pilot	Pilot	Pilot						
Delaware		Production																	
Florida	Production	Production	Production	Pilot	Pilot	Pilot	Pilot	Pilot		Pilot	Pilot	Pilot	Pilot	Pilot	Pilot		Pilot	Pilot	Pilot
Georgia										Pilot				Pilot					
Hawaii			Receiving TA																
Idaho	Production	Production	Production	Production	Production						Pilot				Pilot				
Illinois	Onboarding	Production																	
Indiana	Onboarding	Onboarding	Onboarding																
Iowa																			
Kansas	Receiving TA	Production				Pilot	Pilot	Pilot						Pilot					
Kentucky		Pilot	Pilot																
Louisiana		Pilot	Production			Pilot	Pilot												
Maine	Onboarding																		
Maryland	Production																		
Massachusetts			Production																
Michigan		Production	Production	Onboarding	Onboarding	Pilot	Pilot	Pilot	Pilot	Pilot	Pilot	Pilot	Pilot		Pilot	Pilot			
Minnesota	Receiving TA	Production																	
Mississippi	Production	Production																	
Montana	Production																		
Nebraska	Production																		
Nevada			Onboarding																
New Jersey		Production																	
New York	Production	Production	Production						Pilot										
New York City	Onboarding	Production				Pilot	Pilot												
North Carolina		Production		Onboarding	Onboarding														
North Dakota	Production	Receiving TA																	
Oregon	Production	Production	Production	Production		Pilot	Pilot	Pilot						Pilot	Pilot	Pilot	Pilot	Pilot	Pilot
Pennsylvania	Production	Production																	
Rhode Island	Production																		
Puerto Rico	Onboarding	Onboarding																	
South Carolina			Production					Pilot											
South Dakota	Production	Receiving TA																	
Tennessee			Production																
Texas	Production	Pilot	Pilot																
Utah	Production	Production	Production		Production	Production	Production	Production											
Virginia	Production	Production	Production																
Washington	Onboarding	Onboarding	Receiving TA																
West Virginia			Production																
Wisconsin	Production	Production	Production										Pilot	Pilot					
Wyoming	Onboarding																		

* 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

- 2019 CSTE Annual Conference; 6/2/19 to 6/6/19: https://www.csteconference.org/2019/
- NMI eSHARE; 7/16/19, 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*.

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