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Overall Updates

NNDSS Data Reconciliation Kickoff

- The CDC Data Operations Team (DOT) conducted webinars with the jurisdictions on 3/9/18 and with the CDC programs on 3/12/18 to initiate reconciliation of the 2017 NNDSS data.
- The webinars introduced changes in the reconciliation process that reflect program and jurisdiction feedback.
- On 3/16/18, the DOT began generating and emailing reconciliation reports to state and territorial data reporters.



Country Codes Available for VADS Download Again

- For a period of time, the country codes used in case notifications were not available for download from the Vocabulary Access and Distribution System (VADS).
- It was determined that the licensing agreement does allow VADS to make the Country Code value set available for download to the public health community.
- Country codes are now included in the downloadable value sets and views for message mapping guides (MMGs) in VADS.

NMI eSHARE Updates

- The 3/20/18 NMI eSHARE session presented an overview of Message Validation, Processing, and Provisioning System (MVPS) updates and a walkthrough of dashboard enhancements.
- NMI eSHARE is on spring break for April. Please mark your calendars for the next session scheduled for 5/15/18 at 3:00 PM ET.
- Access past eSHARE presentations and details about future events at the NMI eSHARE website at <http://www.cdc.gov/nmi/eshare.html>.

Message Validation, Processing, and Provisioning System Updates

- MVPS user acceptance testing for mumps, pertussis, and varicella begins on 4/9/18.
- The NMI team encourages all non-pilot 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 at <http://www.cdc.gov/nmi/ta-sams.html>.

Production HL7 Case Notification Messages

Arboviral v1.3

- There are 12 jurisdictions in production for arboviral.
- Nebraska and Washington are the latest states to engage in onboarding.
- Please see the chart below, "[Jurisdiction Implementation of NNDSS HL7 Case Notification Messages](#)," for all the details.



Generic v2

- Delaware, Iowa, and New York City are the latest jurisdictions in production for generic v2. Congratulations, Delaware, Iowa, and New York City!
- There are 15 jurisdictions in production for generic v2.
- The latest states to engage in onboarding are Alabama, Idaho, Massachusetts, and New Hampshire.
- Please see the chart below, "[Jurisdiction Implementation of NNDSS HL7 Case Notification Messages](#)," for all the details.

Hepatitis

- New York and Virginia are the latest jurisdictions in production for hepatitis. Congratulations, New York and Virginia!
- There are seven states in production for hepatitis.
- Alabama, Alaska, California, and West Virginia are engaged in onboarding.
- Please see the chart below, "[Jurisdiction Implementation of NNDSS HL7 Case Notification Messages](#)," for all the details.

Developing HL7 Case Notification Messages

Babesiosis MMG (Stage II—Pilot Test-ready)

- The MMG is ready for pilot testing and MVPS development.

Carbapenemase-Producing Carbapenem-Resistant Enterobacteriaceae (CP-CRE) MMG (Requirements Analysis)

- CDC updated the data element list and is reviewing the MMG internally.

Congenital Syphilis (CS) and STD MMGs (Stage III—Final MMG)

- Final CS and STD artifacts are now available on the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification>.
- Alabama, Arizona, Florida, Idaho, Michigan, North Carolina, and Oregon continue to pilot either one or both guides.

Foodborne and Diarrheal Disease (FDD) MMG (Stage I—Draft):

- Emerging Infections Program FoodNET project states continue to pilot the FDD MMG.
- The CDC program delivered a pilot test-ready guide on 3/16/18.
- The MVPS team has begun development work on the FDD MMG.

Malaria MMG (Stage II-Pilot Test-ready)

- The MMG is ready for pilot testing and MVPS development.

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

Measles MMG (Stage I—Draft)

- CDC expects to deliver the pilot test-ready measles MMG and artifacts by the end of April.

Mumps and Pertussis MMGs (Stage II—Pilot Test-ready)

- CDC addressed jurisdiction and program feedback regarding value sets. Once approved by the NMI Change Control Board, the value set updates will be made in the PHIN Vocabulary Access and Distribution System.
- Florida, Kansas, Louisiana, Michigan, New York City, Oregon, and Utah are piloting the mumps and pertussis MMGs.

Respiratory and Invasive Bacterial Disease (RIBD) MMG (Requirements Analysis)

- The CSTE webinar to solicit jurisdiction feedback on the draft MMG was held on 3/6/18.
- The MMG external review closed on 3/23/18.

Rubella and Congenital Rubella Syndrome (CRS) MMGs (Stage I—Draft)

- CDC expects to deliver pilot test-ready MMGs for rubella and CRS by mid-April.

Trichinellosis (External Review – Accelerated Development Pilot)

- The CSTE webinar to solicit jurisdiction feedback on the draft MMG was held on 3/12/18.
- The MMG external review closed on 3/30/18.
- CDC continues to develop the MMG Authoring Tool and resolve issues identified by the MMG teams.

Tuberculosis (TB) and Latent Tuberculosis Infection (LTBI) MMG (Requirements Analysis—Accelerated Development Pilot)

- The draft MMG is posted for external review on the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html>. The external review period is from 3/27/18 to 4/24/18.
- The CSTE webinar to solicit jurisdiction feedback on the draft MMG is scheduled for 4/9/18.

Varicella MMG (Stage II—Pilot Test-ready)

- Updates were made to the pilot test-ready artifacts to accommodate change requests approved by the NMI Change Control Board: (1) changed the datatype for Specimen Date Sent to CDC from DT to TS, (2) changed the local code to a SNOMED for “Was the Rash Generalized,” (3) updated the Lab Test Type value set to include “unspecified serology,” and (4) updated the Lab Test Type value set to include “Varicella IgG Antibody EIA, Unspecified Acute/Convalescent.”
- Florida, Kansas, Michigan, South Carolina, and Utah are piloting the varicella MMG.

Resources

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



Jurisdiction Implementation of NNDSS HL7 Case Notification Messages

■ = Message in Production
 ■ = Onboarding
 ■ = Receiving TA
 ■ = Pilot

Jurisdiction	Arboviral	Generic Version 2	Hepatitis	Congenital Syphilis*	Foodborne Diarrheal Disease*	Mumps*	Pertussis*	Sexually Transmitted Diseases*	Varicella*
Alabama									
Alaska									
Arizona									
Arkansas									
California									
Delaware									
Florida									
Idaho									
Illinois									
Indiana									
Iowa									
Kansas									
Kentucky									
Louisiana									
Maine									
Maryland									
Massachusetts									
Michigan									
Minnesota									
Mississippi									
Nebraska									
New Hampshire									
New Jersey									
New York									
New York City									
North Carolina									
Oregon									
South Carolina									
South Dakota									
Tennessee									
Texas									
Utah									
Virginia									
West Virginia									
Wisconsin									

* 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; 5/15/18, 3:00PM ET;
<http://www.cdc.gov/nmi/eshare.html>
- 2018 CSTE Annual Conference; 6/10/18 to 6/14/18:
<http://csteconference.org/2018/>
- 2018 Public Health Informatics Conference; 8/20/18 to 8/23/18:
<http://phiconference.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*.

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