

JUNE 2018

[Subscribe to NMI Notes so you don't miss a thing!](#)

Table of Contents

[Overall Updates](#)

[Production HL7 Case Notification Messages](#)

[Developing HL7 Case Notification Messages](#)

[Resources](#)

[Upcoming Events](#)

Overall Updates

Join the NMI Team at the 2018 CSTE Annual Conference

- The NMI team is scheduled to participate in several workshop, breakout, and roundtable sessions at the 2018 CSTE Annual Conference in West Palm Beach, FL, on 6/10/18-6/14/18.
- Access the NMI website at <https://www.cdc.gov/nmi/> for all the details on specific sessions where NMI team members are presenting.
- We look forward to seeing you there!



NNDSS
National Notifiable Diseases
Surveillance System

Accelerated Message Mapping Guide (MMG) Development Strategy Implemented

- CDC is pleased to report that its recent MMG Acceleration Pilot Project successfully reduced the time required to develop a pilot-ready MMG from more than 8 months to about 4 months.
- The project used intensive project management, an abbreviated MMG lifecycle, and the newly developed Message Mapping Guide Authoring Tool.
- Based on this success, CDC is incorporating these changes for MMG development going forward.

NMI eSHARE Updates

- NMI eSHARE is taking a break for the month of June but is excited to invite you to join us in July! The July NMI eSHARE session is scheduled for 7/17/18 at 3:00 PM ET and will provide a recap of NNDSS-related highlights from the 2018 CSTE Annual Conference held in June.
- Access past eSHARE presentations and details about future events at the NMI eSHARE website at <http://www.cdc.gov/nmi/eshare.html>.

NNDSS Data and Statistics Webpage Demo Coming Soon

- CDC will provide a demonstration of the recently launched NNDSS Data and Statistics webpage on a CSTE Surveillance Practice and Implementation Subcommittee webinar scheduled for 6/1/18.
- Access the NNDSS Data and Statistics webpage at <https://wwwn.cdc.gov/nndss/data-and-statistics.html>.

SAMS Access Reminder

- The NMI team encourages all non-pilot jurisdictions to complete the Secure Access Management Services (SAMS) proofing process and confirm their access with the Message Validation, Processing, and Provisioning System (MVPS) support team.
- More information about SAMS access and training may be found on the NMI website at <https://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 engaged in onboarding.
- Please see the chart below, "[Jurisdiction Implementation of NNDSS HL7 Case Notification Messages](#)," for all the details.



Generic v2

- Massachusetts is the latest state in production for generic v2. Congratulations, Massachusetts!
- There are 17 jurisdictions in production for generic v2.
- Alabama and New Hampshire are engaged in onboarding.
- Please see the chart below, "[Jurisdiction Implementation of NNDSS HL7 Case Notification Messages](#)," for all the details.

Hepatitis

- Alaska and West Virginia are the latest states in production for hepatitis. Congratulations, Alaska and West Virginia!
- There are 9 jurisdictions in production for hepatitis.
- Alabama, California, South Carolina, and Tennessee 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.
- The NMI team scheduled a meeting with the CDC program to propose pilot states for the babesiosis MMG pilot process.
- It will be piloted in conjunction with the trichinellosis and malaria MMGs.

| Valid Values | HL7 Message Context | HL7 Data Type |
|---|--|---------------|
| US FIPS Codes Country Alpha 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 |

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

- CDC is reviewing and updating the guide internally.

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

- Final congenital syphilis and STD MMGs are available on the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html>.

- You can now use these guides to begin implementing your case notification messages in preparation for onboarding.

Foodborne and Diarrheal Disease (FDD) MMG (Stage II—Pilot Test-ready)

- CDC is finalizing the pilot test-ready versions of the test scenarios and test messages.
- The MVPS team has begun development work on the FDD MMG.

Lyme and Tickborne MMGs (Requirements Analysis)

- The MMG team has begun development work on the Lyme and tickborne MMGs.

Malaria MMG (Stage II—Pilot Test-ready)

- The MVPS team is completing development work on the malaria MMG.
- It will be piloted in conjunction with the babesiosis and trichinellosis MMGs.

Measles MMG (Stage I—Draft)

- CDC is reviewing the draft guide.

Mumps and Pertussis MMGs (Stage III—Final)

- Final mumps and pertussis MMGs are available on the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html>.
- You can now use these guides to begin implementing your case notification messages in preparation for onboarding.

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

- CDC is developing the test scenario and test messages for the guide.

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

- CDC is resolving final value set issues in the CRS MMG that affect all vaccine-preventable disease guides.
- CDC completed test messages for both MMGs.

Trichinellosis (Pilot Test Ready—Accelerated Development Pilot)

- The MMG is ready for MVPS development.
- It will be piloted in conjunction with the babesiosis and malaria MMGs.

Tuberculosis (TB) and Latent Tuberculosis Infection (LTBI) MMG (External Review—Accelerated Development Pilot)

- CDC completed the pilot test-ready MMG and associated artifacts at the end of May.
- The MVPS team has begun development work on the TB/LTBI MMG.
- CDC expects to begin pilot testing this summer.

Varicella MMG (Stage III—Final)

- The final varicella MMG is available on the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html>.
- You can now 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/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 | | | | | | | | | |
| Washington | | | | | | | | | |
| 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; 7/17/18, 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*.

Centers for Disease Control and Prevention | Council of State and Territorial

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

www.cste.org