

## NNDSS

National Notifiable Diseases  
Surveillance System

JULY 2019

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### Overall Updates

#### 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](#).

#### 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](mailto: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, Nevada, New York City, 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](#).
- Pilot jurisdictions Connecticut, Michigan, and North Carolina are engaged in onboarding.
- CDC is working on a schedule for states waiting to onboard and will provide details in future status updates.
- 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 27 jurisdictions in production for generic v2. **Maine is the latest jurisdiction in production. Congratulations, Maine!**
- Indiana, Puerto Rico, and Rhode Island 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. **Colorado and Indiana are the latest jurisdictions in production. Congratulations, Colorado and Indiana!**
- 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](#).
- **Congratulations to pilot jurisdiction Utah for being the first jurisdiction in production for mumps and pertussis!**
- 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](#).
- **Congratulations to pilot jurisdiction Utah for being the first jurisdiction in production for varicella!**

- CDC will open up onboarding to non-pilot jurisdictions 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 III—Final MMG)

- Message Validation, Processing, and Provisioning System (MVPS) user acceptance (UAT) testing was completed on 5/31/19.
- CDC expects to post the MMG and artifacts on the [NNDSS HL7 Case Notification Resource Center](#) in early July.
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.

Valid Values	HL7 Message Context	HL7 Data Type
FIPS Codes Country 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

### 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 held the guide development kick-off meeting on 6/13/19.

### Carbon Monoxide Poisoning (CO) (Requirements Analysis)

- CDC is preparing for the CSTE webinar on the draft MMG, which has been rescheduled for the end of July. Details will be provided as they are known.
- CDC completed an internal peer review of the MMG on 6/12/19.

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

- CDC continues to assist pilot 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)

- Piloting is underway.
- CDC received Office of Management and Budget (OMB) Paperwork Reduction Act (PRA) approval for new data elements for Carbapenemase Producing Carbapenem-Resistant Enterobacteriaceae (CP-CRE) and *Candida auris* on 6/18/19.

### Lead Poisoning (Requirements Analysis)

- CDC continues to make progress in developing this MMG.

### Listeriosis (Stage I—Draft)

- CDC updated the print criteria, note, and preferred mechanism information for listeriosis in the 2019 NNDSS Event Code Listing.
- 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.

### **Malaria (Stage II—Pilot Test-ready)**

- CDC received OMB PRA approval for new data elements for malaria on 6/18/19.
- CDC is completing piloting of this guide.

### **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)**

- Piloting is underway.
- Based on feedback from the CDC program and pilot jurisdictions, CDC updated the MMG structure and content, which will extend piloting.

### **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)**

- MVPS UAT was completed on 5/31/19.
- CDC expects to post the MMG and artifacts on the [NNDSS HL7 Case Notification Resource Center](#) in early July.
- Please use this guide to begin implementing your case notification messages in preparation for onboarding.

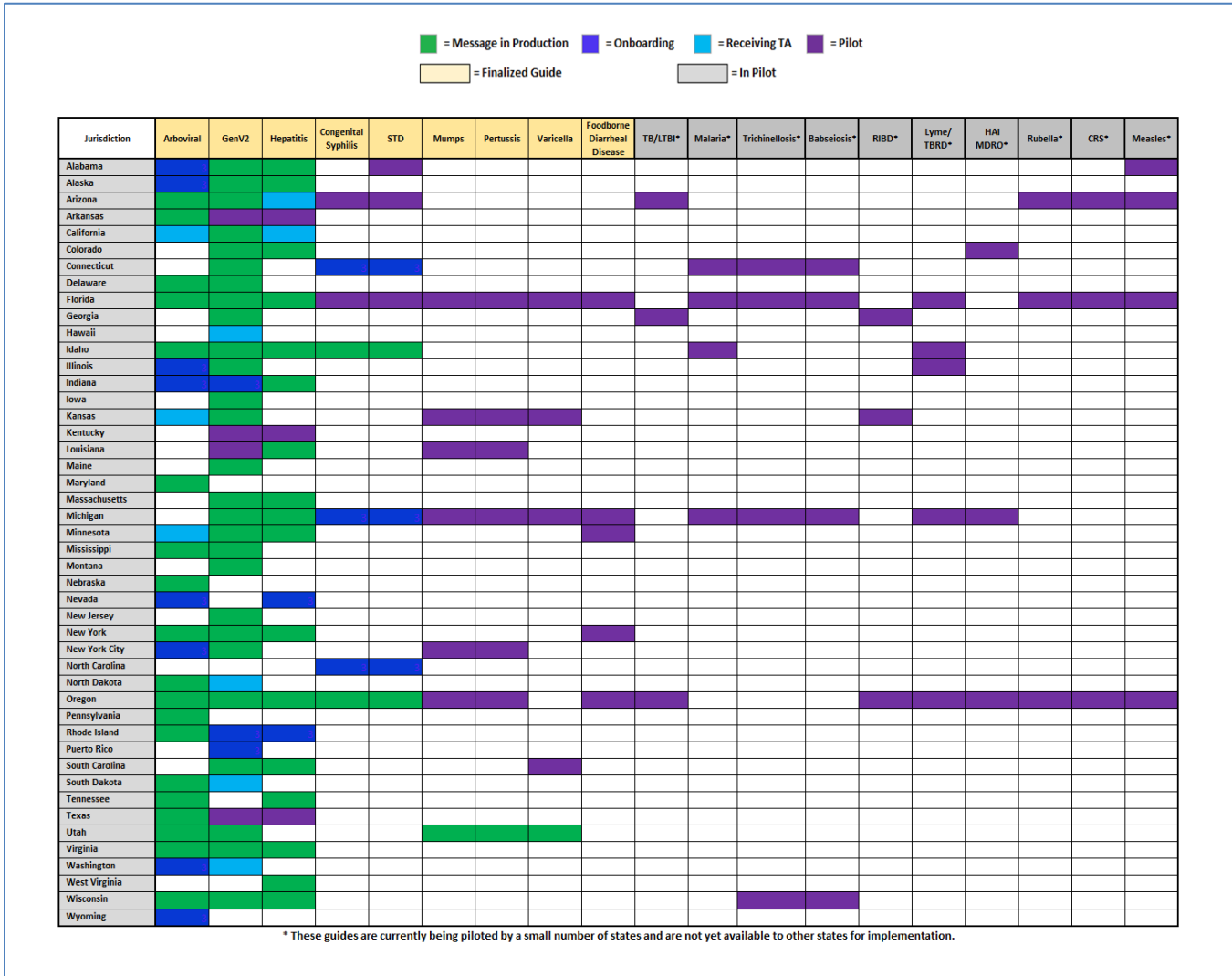
### **Tuberculosis (TB) and Latent Tuberculosis Infection (LTBI) (Pilot Test-ready—Accelerated Development Pilot)**

- MVPS UAT was completed on 5/31/19
- CDC is finalizing the MMG before final internal review and posting.

## **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/>





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; 7/16/19, 3:00PM ET;  
<https://www.cdc.gov/nmi/eshare.html>

**Have questions or feedback on NMI Notes? Email [edx@cdc.gov](mailto: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](mailto:edx@cdc.gov) Visit: [www.cdc.gov/nmi](http://www.cdc.gov/nmi)

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