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Overall Updates

ELC HIS Grantee Updates

- Two sessions of the Epidemiology and Laboratory Capacity Health Information Systems (ELC HIS) Grantee Meeting held April 11–12 provided funding recipients with updates on ELC HIS activities and additional guidance for completing funding continuation applications that are due on 5/18/18.
- Currently, recipients are required to implement and send case notifications by using at least one of the final NNDSS HL7 MMGs.
- Starting 8/1/18, recipients will be required to implement and send case notifications by using at least five of the final NNDSS HL7 MMGs.



NMI eSHARE Updates

- The next NMI eSHARE session is scheduled for 5/15/18 at 3:00 PM ET. Topics include implementation spreadsheet updates and best practices for states to handle event code changes in their systems.
- 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 (MVPS) Updates

- **MVPS UAT Recently Completed:**
 - CDC held MVPS user acceptance testing (UAT) for mumps, pertussis, and varicella case notification messages from 4/9/18 to 4/20/18. Michigan, Oregon, and Utah public health departments and internal CDC program subject matter experts completed the testing.
 - UAT identified only one moderate system defect, which was resolved with a system update completed on 4/27/18.
- **SAMS Access:** 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>.

NNDSS Data and Statistics Webpage Demo Coming Soon

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

- Idaho is the latest state in production for generic v2. Congratulations, Idaho!
- There are 16 jurisdictions in production for generic v2.
- Alabama, Massachusetts, 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

- There are 7 jurisdictions in production for hepatitis.
- Alabama, Alaska, California, Tennessee, 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.
- CDC cleared responses to the external review comments and will post them soon to the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html>.

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

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

- CDC is updating and reviewing the guide internally.

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

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

- CDC has asked Michigan and North Carolina to send bulk case notification data to assist the CDC program with testing their data provisioning schema.

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

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

Malaria MMG (Stage II—Pilot Test-ready)

- The MVPS team is nearly completed with development work on the malaria MMG.

Measles MMG (Stage I—Draft)

- CDC is working on responses to the external review feedback, combining similar data elements and determining changes to be made to the MMG.
- CDC is incorporating changes that apply to vaccine-preventable disease MMGs into the measles guide.
- CDC expects to deliver the pilot test-ready measles MMG and artifacts by early May.

Mumps and Pertussis MMGs (Stage III—Final)

- CDC delivered final mumps and pertussis MMGs and artifacts to the NMI teams and implementers on 4/24/18.
- CDC expects to post final mumps and pertussis MMGs to the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html> by early May.
- Florida, Kansas, Louisiana, Michigan, New York City, Oregon, and Utah piloted the mumps and pertussis MMGs.

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

- CDC is updating the MMG based on comments received during the external review period, which ended on 3/23/18.

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

- The CDC program approved the pilot test-ready MMGs.
- The CDC program provided test scenario data.
- CDC expects to deliver pilot test-ready MMGs for rubella and CRS by early May.

Trichinellosis (Pilot Test Ready—Accelerated Development Pilot)

- CDC updated the trichinellosis MMG based on feedback from external review comments.
- CDC completed the pilot test-ready trichinellosis guide, annotated case report form, test scenarios, and test messages and delivered them to the NMI teams on 4/25/18.
- The MMG is ready for MVPS development. CDC expects to begin pilot testing in late August/early September.

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

- The external review for the draft MMG recently ended on 4/24/18. CDC is reviewing the feedback received.

Varicella MMG (Stage III—Final)

- CDC delivered the final varicella MMG and artifacts to the NMI teams and implementers on 4/20/18.

- CDC expects to post the final varicella MMG to the NNDSS HL7 Case Notification Resource Center at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html> by early May.
- Florida, Kansas, Michigan, South Carolina, and Utah piloted 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 | | | | | | | | | |
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| 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; 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*.

Centers for Disease Control and Prevention | Council of State and Territorial Epidemiologists | Association of Public Health Laboratories

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www.cste.org