

NMI Overall Updates

NNDSS Message Mapping Guide (MMG) and Artifacts Webpage Revised

- To help users more easily navigate through the NNDSS HL7 MMGs and other documents, CDC posted an updated version of the NNDSS MMG and Artifacts webpage on 5/5/17 at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html>.
- Changes to the site include removing pilot test-ready versions of previous MMGs, which will no longer be posted on the website. Only final MMGs and draft MMGs during their external comment periods will be posted on this page. At the conclusion of an external comment period, the reconciled feedback for guides in draft stage also will be posted for a 30-day review.
- The new page structure includes new tabs for “Final MMGs” and “MMGs in Development.” Guides in pilot testing will be designated as such on the “MMGs in Development” tab.

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Join the NMI Team at These 2017 CSTE Annual Conference Sessions

- Sunday, 6/4/17, 8:00 am–5:00 pm:
 - Workshop: Integrating electronic Case Reporting at Your Agency: Harvesting the Ripe Fruits of our Labor
- Tuesday, 6/6/17:
 - 7:30–8:15 am: Roundtable: Coordinating the Public Health Emergency Preparedness Cooperative Agreement with Other CDC Cooperative Agreement Investments in Surveillance and Informatics
 - 10:30 am–12:00 pm: Breakout Session: NNDSS Modernization Initiative Progress and Plans
 - 5:45–6:30 pm: Roundtable: From Concept to Reality: Sharing NNDSS Experiences Operationalizing CSTE Position Statements
- Find more information at the conference website at <http://www.csteconference.org/2017/>.

Update on Publication of 2016 NNDSS Data

- The CDC Data Operations Team (DOT) has been working closely with state public health departments on end-of-year NNDSS data reconciliation.
- As indicated in the 2016 NNDSS data production calendar:
 - June 1: CDC must receive all states’ reporting exceptions.
 - June 5: DOT begins emailing final counts to State Epidemiologists for final signatures.
 - June 29: State Epidemiologists must sign off on their final case counts and fax them to DOT.

- There will be no changes made to 2016 data after 6/30/17. Therefore, it is extremely important that CDC programs continuously work with state partners to finalize the data prior to this date.

NMI eSHARE Updates

- Held on 5/16/17, the latest NMI eSHARE webinar outlined some recent lessons learned from NMI onboarding.
- The next NMI eSHARE is scheduled for 6/20/17 and will present a recap of NNDSS-related highlights from the 2017 CSTE Annual Conference.
- 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

- The MVPS team implemented MVPS Release 2.3.1 the week of 4/28/17. The release incorporated the following system updates:
 - National Electronic Telecommunications System for Surveillance (NETSS) race translation logic was moved to a stored procedure to improve performance and modularity.
 - Duplicate records were eliminated for string, numeric, date, and coded elements in the NETSS data schema.
- 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>.

HL7 Case Notification Messages in PRODUCTION

Arboviral v1.3

- States now in production for arboviral v1.3 are Florida, Idaho, New York, South Dakota, Tennessee, Texas, and Wisconsin. Delaware is engaged in onboarding.
- CDC has resolved the issues affecting arboviral v1.3 onboarding, and all jurisdictions are encouraged to implement the arboviral v1.3 case notification message.



Generic v2

- Jurisdictions should use the generic v2 MMG to send notifications if they collect data on these conditions: Acanthamoeba disease–excluding keratitis (event code 50225), Balamuthia mandrillaris disease (event code 50226), and Naegleria fowleri causing Primary Amebic Meningoencephalitis (event code 50227).
 - These conditions are not Nationally Notifiable Conditions but are conditions under standardized surveillance, and the CDC program has requested submission of the data.
 - Legacy formats will not be accepted.
- States now in production for generic v2 are Florida, Michigan, Minnesota, New York, and Oregon.
- States in the onboarding process for generic v2 include Alaska, California, Illinois, Kansas, Mississippi, New Hampshire, South Carolina, and Wisconsin.

Hepatitis

- States now in production for hepatitis are Florida, Idaho, Michigan, Minnesota, and Oregon.
- California is in the onboarding process for hepatitis. South Carolina is expected to begin the onboarding process soon.

HL7 Case Notification Messages in DEVELOPMENT

Babesiosis (Stage 1—Draft)

- CDC finalized responses to the external review comments for the guide and will soon begin clearing them for posting to the NNDSS website.

Congenital Syphilis (CS) and STD MMGs (Stage II—Pilot Test-ready)

- The Office of Management and Budget provisionally approved including sexual orientation and gender identity data elements in the STD MMG for 2 years to pilot test the utility of these data.
- CDC is finalizing the processing and provisioning requirements for the STD and CS MMG.

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

Foodborne and Diarrheal Disease (FDD) MMG (Requirements Analysis):

- CDC is finalizing the details for the national rollout of the FDD MMG, such as scheduling the CSTE webinar, posting the guide on the NNDSS website for external comments from jurisdictions, and pilot testing the guide with CDC Emerging Infections Program (EIP) and non-EIP sites/states.
- CDC is working to include Shiga toxin-producing E. Coli (STEC), listeriosis, and botulism data elements in the guide.

Malaria MMG (Stage I—Draft)

- CDC updated the NNDSS MMG and Artifacts webpage at <https://wwwn.cdc.gov/nndss/case-notification/message-mapping-guides.html> with draft malaria artifacts, which are available for a 30-day comment period from 5/5/17 to 6/4/17.

Measles MMG (Stage I—Draft)

- No new updates at this time.

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

- CDC has updated and finalized the mumps MMG for an internal quality assurance review.
- CDC updated the mumps and pertussis consolidated MVPS developer's guides with the MMG updates.

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

- No new updates at this time.

Trichinellosis (Requirements Analysis)

- No new updates at this time.

Varicella MMG (Stage I—Draft)

- CDC updated the draft Varicella MMG per recommendations from an internal vaccine-preventable diseases meeting.

NMI 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/>



	= Pilot
	= Receiving TA
	= Onboarding
	= Message In Production

HL7 Case Notification Message	Jurisdiction	Pilot	Receiving TA	Onboarding	Production
Arboviral Version 1.3	Alabama				
	Arizona				
	Arkansas				
	California				
	Delaware				
	Idaho				
	Indiana				
	Maine				
	New York				
	South Dakota				
	Tennessee				
	Texas				
	Wisconsin				
Arboviral Version 1.3*	Florida				
Congenital Syphilis	Arizona				
	Florida				
	Michigan				
	North Carolina				
	Oregon				
Generic Version 2	Alaska				
	Arkansas				
	California				
	Florida				
	Illinois				
	Kansas				
	Kentucky				
	Louisiana				
	Michigan				
	Minnesota				
	Mississippi				
	New Hampshire				
	New York				
	Oregon				
	South Carolina				
	Tennessee				
	Texas				
	Wisconsin				
Hepatitis	Arkansas				
	California				
	Florida				
	Idaho				
	Kentucky				
	Louisiana				
	Michigan				
	Minnesota				
	New York				
	Oregon				
	Tennessee				
	Texas				
Sexually Transmitted Diseases	Alabama				
	Arizona				
	Florida				
	Idaho				
	Michigan				
	North Carolina				
	Oregon				

*Florida has implemented Arboviral 1.3 for Zika and is continuing to work on implementing the remaining arboviral conditions.

NMI Status Report: This chart shows the status of state public health departments who are piloting, receiving technical assistance, onboarding, or in production for finalized HL7 case notification messages developed as part of the NNDSS Modernization Initiative.

Upcoming Events

- CSTE Annual Conference, 6/4/17 to 6/8/17; <http://www.csteconference.org/2017/>
- NMI eSHARE; 6/20/17, 3:00PM ET; <http://www.cdc.gov/nmi/eshare.html>

Have questions or feedback on NMI Notes? Email edx@cdc.gov.