

Identifiers

CSTE DSWG Data Element Specific Team

5/17/2024



Council of State and Territorial Epidemiologists

Identifier Structure



Identifier Data Type



Current identifier data elements in the generic v2 message mapping guide (MMG):

Data Element (DE) Name	DE Identifier Sent in HL7 Message	Data Element Description	Data Type
Local Subject ID	N/A: PID-3	The local ID of the subject/entity	Text
Local Record ID	N/A: OBR-3	Sending system-assigned local ID of the case investigation with which the subject is associated.	Text
State Case Identifier	77993-4	States use this identifier to link NEDSS investigations back to their own state investigations.	Text
Legacy Case Identifier	77997-5	CDC uses this identifier to link current case notifications to case notifications submitted by a previous system (NETSS, STD-MIS, etc.).	Text

Potential Identifier Structure



Data Element (DE) Name	DE Identifier Sent in HL7 Message	Data Element Description	Data Type
Identifier Type	TBD	Description of identifier	Coded
Identifier Value	TBD	Unique identifier value	Text
Identifier Assigner	TBD	Name of organization or system that issued the ID	TBD

OBX|nn|CWE|TBD^Identifier Type^PHINQUESTION|1|TBD^NORS ID^PHINQUESTION||||F
OBX|nn|CWE|TBD^Identifier Value^PHINQUESTION|1|EIP1234567||||F
OBX|nn|TBD|TBD^Identifier Assigner^PHINQUESTION|1|TBD^CDC^PHINQUESTION||||F

Potential Core Identifiers



What does it mean for an identifier to be core?



A core identifier should be something that would be capable of being transmitted across conditions when needed.

- All cases require a unique ID to be identified as a unique case. (Local Record ID)
- Something like an "outbreak ID" would rarely be present, but if core then a jurisdiction should be capable of capturing/sending that field across conditions.
- Core = Will be prepared to utilize it across conditions as needed. Minimum value set/set of elements for what jurisdictions are ready to send.

Current Identifiers



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CDC-assigned Case ID



- Routine Surveillance: Jurisdictions send “local record ID” to uniquely identify cases
- Emergent Outbreaks: CDC sometimes assigns each case a unique ID at the beginning of an outbreak

Mpox short case report form:

DCIPHER Data Entry Prompt Text	Field Type	Comments
State-assigned case ID:	Free text	—
State/Territory of Residence:	Drop down	Reporting Jurisdiction
Additional ID:	Free text	Additional ID field used for cross-referencing NNDSS and DCIPHER Case IDs

CDC-assigned Case ID



Should a standard field exist in some future generic MMG to place CDC-assigned case IDs in?

- Not used for routine surveillance
- Would almost always be blank, but available as soon as it's needed

Data Element (DE) Name	DE Identifier Sent in HL7 Message	Data Element Description	Data Type
CDC-assigned Case ID	TBD	A CDC-assigned ID for use in situations such as an emergency response.	Text

National Outbreak ID



Current Generic v2 MMG:

Data Element (DE) Name	DE Identifier Sent in HL7 Message	Data Element Description	Data Type	CDC Priority
Case Outbreak Name	77981-9	A state-assigned name for an identified outbreak.	Text	1

Proposal:

Data Element (DE) Name	DE Identifier Sent in HL7 Message	Data Element Description
Outbreak ID – Jurisdiction-assigned	TBD	A jurisdiction-assigned ID for an identified outbreak.
NORS ID	TBD	The outbreak ID from CDC's National Outbreak Reporting System for the outbreak the case is associated with.

Identifier Type Value Set



Identifier Type	Code	Data Element Description
Legacy Case Identifier	77997-5	CDC uses this identifier to link current case notifications to case notifications submitted by a previous system (NETSS, STD-MIS, etc.). (Assigner could be used to further specify what system assigned the previous ID.)
CDC-assigned Case ID	TBD	A CDC-assigned ID for use in situations such as an emergency response.
Outbreak ID – Jurisdiction-assigned	TBD	A jurisdiction-assigned ID for an identified outbreak.
NORS ID	TBD	The outbreak ID from CDC's National Outbreak Reporting System for the outbreak the case is associated with.

Birthing Parent-Infant Linkage



Birthing Parent - Infant Linkage



Congenital Rubella MMG

Data Element (DE) Name	DE Identifier Sent in HL7 Message	Data Element Description	Data Type	CDC Priority
START: Maternal Clinical History				
Did the Mother Have a Rash	85733-4	Did the mother have a maculopapular rash during time she was pregnant with the infant that is being investigated as possibly having CRS?	Coded	1
What was the Mother's Rash Onset Date	85732-6	What was the mother's rash onset date?	Date	1
Mother's Rash Duration (in days)	85731-8	How many days did the mother's rash reported in this investigation last?	Numeric	2
Did the Mother Have a Fever	85730-0	Did the mother have a fever during time she was pregnant with the infant that is being investigated as possibly having CRS?	Coded	1
What was the Mother's Fever Onset Date	85729-2	What was the mother's fever onset date?	Date	1
Mother's Fever Duration (in days)	85728-4	How many days did the mother's fever reported in this investigation last?	Numeric	2
Did the Mother Have Arthralgia/Arthritis	85794-6	Did the mother have arthralgia/arthritis during time she was pregnant with the infant that is being investigated as possibly having CRS?	Coded	2
Did the Mother Have Lymphadenopathy	85727-6	Did the mother have lymphadenopathy during time she was pregnant with the infant that is being investigated as possibly having CRS?	Coded	2
END: Maternal Clinical History				

Congenital Syphilis MMG

Data Element (DE) Name	DE Identifier Sent in HL7 Message	Data Element Description	Data Type	CDC Priority
Mother's Local Record ID	INV2084	Provide the local record ID used for reporting mother's case of syphilis (DE Identifier "N/A: OBR-3" in the Generic portion of the STD message). This will be used for linking the reported congenital syphilis case to the mother's reported syphilis case.	Text	1
Mother's National Reporting Jurisdiction	INV2085	Provide the national reporting jurisdiction used for reporting mother's case of syphilis (DE Identifier 77968-6 in the Generic portion of the STD message). This will be used for linking the reported congenital syphilis case to the mother's reported syphilis case.	Coded	1

Birthing Parent-Infant Linkage



Is there a preferred method to be a “default approach” to standardize linkage between a maternal case and an infant case?

- Sending birthing parent's case ID/ birthing parent's national reporting jurisdiction

or

- Re-sending data elements as needed from a birthing parent's case in the infant case notification

Identifiers DEST Call



Upcoming team meetings:

- **5/17 1-2pm ET – Identifiers**
- [Link to Sign Up](#)

The next large DSWG call will be June 28th, 1-2pm.