

Reporting Source

CSTE DSWG Data Element Specific Team

8/15/2024



Council of State and Territorial Epidemiologists

CSTE Data Standardization Workgroup Meeting



Please mute phone/ headset/ computer audio!

Agenda

- Welcome & Announcements
- Reporting Source
- Detection Method
- Next Steps
- Wrap-Up & Adjourn

Meeting ground rules



- Discussion Guidelines
 - "Raise" your hand
 - Use the chat to provide feedback and ask questions
 - When called, state your name and affiliation
 - Stay on point, be brief, and within the context of the discussion in progress
 - 80/20 consensus
 - Co-Chairs/moderators' prerogative to move the discussion forward as needed
 - [Post-meeting input form](#) is always available for additional comment
 - Be courteous and be open to new ideas

Active participation encouraged for all!

- Chats, voting, comments, etc.
- Includes STLT jurisdictions + CDC Programs + CSTE, etc.

Core Data: In Scope for DSWG CSTE

- Identify core data elements for surveillance **for transmission to CDC**
 - For situational awareness or routine, cross-condition case surveillance
 - For case-based surveillance (not syndromic, not aggregate reporting)
 - Within *selected* data classes (e.g., hospitalization, travel history) that are used for multiple conditions
- Identify common definitions, value sets/code sets, structure, and interpretation notes for those core data elements
- Recommend best practices for how selected data elements are collected, structured or populated within PHA surveillance systems, if/when that will affect the interpretation of the data transmitted to CDC

Core for CDC Transmission ≠ Required

Even if a data element or class is identified as appropriate for transmission to CDC, this does *not* mean we need to fill in or send an answer for every core element for every case!

- It is okay to leave the data field as blank or Unknown if the information is not available, not a priority, or not useful for particular conditions.

Data elements and data classes should be considered for core if they are relevant for many conditions

- There is no set number that defines "many".
- Would you rather see the element in (for example) a GenV3 MMG? or in the applicable disease-specific MMGs?

Reporting Source



Potential Reporting Source Data Elements



- Reporting Source Type Code
- Reporting Source Zip Code
- Detection Method
- Information Source for Data
- Surveillance Data Source

Sending Facility (MSH-4): The facility that transmitted the HL7 message

Other fields available, but **not** who is reporting to public health:

- **Ordering Facility (ORC-21)** and Ordering Facility Address (ORC-22): The facility that placed the test order.
- **Performing Organization (OBX-23)** and Performing Organization Address (OBX-24): The entity that conducted the test.

CDA

- Initial Public Health Case Report Document
 - Facility Type
 - Value set: ServiceDeliveryLocationRoleType
 - Facility Address

FHIR

- US Core Location Profile
 - Location Type
 - Value set: ServiceDeliveryLocationRoleType
 - Location Address

Case Notifications to CDC Message Mapping Guides



GenV2 Reporting Source Data Elements:

Data Element (DE) Name	DE Identifier	Data Element Description	Data Type	Value Set Name (VADS Hyperlink)
Reporting Source Type Code	48766-0	Type of facility or provider associated with the source of information sent to Public Health.	Coded	Reporting Source Type
Reporting Source ZIP Code	52831-5	ZIP Code of the reporting source for this case.	Text	N/A

Top Reporting Source Types for Case Reporting in 2023



Laboratory	59%
Unknown	18%
Other (Lab-Hospital)	8%
Other	5%
Hospital	3%
Private Physicians Group Office	3%

<1% per response:

Emergency

Room/Department

Other Health Department

Clinic

Public Health Clinic

Other State and Local
Agencies

STD Clinic

STD NETSS Facility Type



Setting or health care facility where a person **first received diagnosis, treatment or testing** for STD or associated syndrome reported in this case report

HIV
Counseling/Testing
Site

STD Clinic

Drug Treatment

Family Planning

TB Clinic

Other Health Dept
Clinic

Private
Physician/HMO

Hospital- ER/Urgent
Care

Correctional Facility

Laboratory

Blood Bank

Labor and
Delivery

Prenatal

National Job
Training Program

School-based
Clinic

Mental Health
Provider

Hospital – Other

Indian Health
Service

Military

Other

Source Type Discussion



CDC would like to provide distinction in what is being transmitted. Is this distinction feasible?

Should either or both be considered core data elements?

Data Element (DE) Name	Data Element Description
Reporting Source Type	Original: Type of facility or provider associated with the source of information sent to Public Health.
	Updated: Type of facility or entity reporting the initial case to public health authorities. -Potentially able to be mapped from an ELR/eCR
Case Identification Source Type	New: Type of facility or entity where the person first received care (diagnosis, testing, or treatment) for the condition. -Currently what is collected for STD, of interest to CDC programs

Should Reporting Source Type and/or Case Identification Source Type capture a singular value or allow for multiple responses?

“who reported the initial case” or “anyone who reported the case”

“where the case was first diagnosed/tested/treated” or
“anywhere the case was diagnosed/ tested/ treated”

Polling process



- Poll questions will be shown first on a slide before the poll opens
 - Opportunity for clarifications & questions
- There will be an opportunity for limited discussion on questions with a big split, as time allows
- DSWG membership has grown to include many experts and interested participants. The following guidance is requested for participating in polling:
 - Only STLTs (State, Territorial, Local, and Tribal) and Federal authorities should vote.
 - Contractors and individuals from other organizations are requested to abstain from voting unless they have specific and relevant expertise in the topic.
 - Comments and discussion are welcomed by all, but voting remains with the STLTs and federal authorities.

Poll #1: RS Single or Multi-Select



Should Reporting Source Type capture a single value or allow for multiple selections?

- Single Value
- Multiple Selections

Data Element (DE) Name	Data Element Description	Data Type
Reporting Source Type	Single: Type of facility or entity reporting the <u>initial</u> case to public health authorities. Multiple: Type of facility or entity reporting the case to public health authorities.	Coded

Poll #3: CIS Single or Multi-Select



Should Case Identification Source Type capture a single value or allow for multiple selections?

- Single Value
- Multiple Selections

Data Element (DE) Name	Data Element Description	Data Type
Case Identification Source Type	Single: Type of facility or entity where the person first received care (diagnosis, testing, or treatment) for the condition. Multiple: Type of facility or entity where the person received care (diagnosis, testing, or treatment) for the condition.	Coded

Poll #3: Source Type Core



Are either of these data elements core? (Select all that apply.)

- Reporting Source Type
- Case Identification Source Type
- Neither

Data Element (DE) Name	Data Element Description	Data Type
Reporting Source Type	Type of facility or entity reporting the initial case to public health authorities.	Coded
Case Identification Source Type	Type of facility or entity where the person first received care (diagnosis, testing, or treatment) for the condition.	Coded

Current Reporting Source Value Set (35 values)



Blood Bank
Correctional Facilities
Day care center
Dentist
Drug Treatment Facility
Emergency Room/Dept
Family Planning Facility
Other Federal Agencies
HIV Care Facility
HIV Counseling and
Testing Site
Hospital
Labor and Delivery
Laboratory

Managed Care/HMOs
Mental Health Provider
Military
National Job Training
Program
other
Other Health Dept Clinic
Other State/Local Agency
Other Treatment Center
Pharmacy
Prenatal/Obstetrics
Facility
Private physicians' group
office

Public Health Clinic
Data Registries
Rural Health
STD Clinic
School Clinic
TB Clinic
Tribal Government
Indian Health Service
unknown
Veterinary Sources
Vital Statistics

Potential Updated Value Set (13 values)



- Lab (including hospital and commercial labs)
- Outpatient (physician groups, family planning, prenatal care)
 - HIV care facility, HMO
- Emergency Department (ED)
- Inpatient (includes labor and delivery)
- Public Health Agency (including clinics)
 - Other health department clinic, Public health clinic, TB Clinic
- Federal Agency (including Military, Indian Health Service)
- STI Clinic
- Registries
- Vital Statistics
- Correctional Facility
- Education Facility (training, schools)
 - Day care center, National Job Training Program, Student Health
- **Other source type (specify)**
 - Blood bank, Drug treatment facility, Other state or local agencies, Other treatment center, Pharmacy, Tribal government, Veterinary Sources, HIV Counseling and Testing Site, Mental health provider, Dentist
- **Unknown**

Poll #4: RS/CIS Value Set



What is your preferred value set for Reporting Source/Case Identification Source?

- A larger number of options with more granularity
- A smaller number of options that have been consolidated

Detection Method



Case Notifications to CDC Message Mapping Guides



"Detection Method" (INV159) is present in eight MMGs:

MMG	Data Element Description	Value Set Name (VADS Hyperlink)
COVID	Under what process was the case first identified? (check all that apply)	Detection Method (COVID-19)
STD	How case patient first came to the attention of the health department for this condition	Detection Method (STD)
RIBD	How was neonatal sepsis case identified? (Neonatal Sepsis Sites ONLY)	Detection Method (RIBD)
VPD (CRS, Rubella, Measles, Mumps, Pertussis)	Detection Method	Case Detection Method

Detection Method Value Sets



COVID-19:

Autopsy
Clinical evaluation
Contact tracing of case patient
EpiX notification of travelers
Laboratory reported
Other detection method (specify)
Provider reported
Routine physical examination
Routine surveillance
Unknown

STD:

Cluster-related
Health Department Referred Partner
Other
Patient Referred Partner
Screening
Self-Referral
unknown

RIBD:

Active contact with clinical personnel
Lab surveillance
Other
State reportable disease system

VPD:

Laboratory Reported
Other
Prenatal Screening
Prison Entry Screening
Provider Reported
Routine Physical Examination
Self-referral (procedure)
Unknown

Detection Method Discussion



CDC would like to standardize how Detection Method is transmitted across conditions. How is this proposed definition? Should it allow for single or multiple responses? Should it be considered core?

Data Element (DE) Name	Data Element Description
Detection Method	Under what process was the case first identified by public health? Under what process was the case identified by public health? (check all that apply)

Next Steps



- Upcoming team meetings:
 - 9/13 1-2 pm ET– Laboratory Reporting
 - 9/20 1-2 pm ET – SDOH
 - Residence Type (as related to homelessness/incarceration)
 - [Link to Sign Up](#)
- The next large DSWG call will be on 30 August 2024.

NOTE:

All drafts released for DEST/DSWG review are drafts and the resulting recommendations passed to CSTE for final steps have not been made available. Please do not pass on draft documents as final products.