



CSTE Data Standardization Workgroup (DSWG)

Mission

Improve data quality through the development and application of consensus definitions for core data elements for public health surveillance resulting in improved interoperability and automation for efficient case data flow and inter-jurisdictional data exchange.

Objective and Purpose

Convene epidemiologists and informaticians across jurisdictions and program areas to develop recommendations for

- Defining basic “core” surveillance data elements present across many conditions that are key for public health action, and,
- Standardizing common definitions and interpretations.

A robust set of expertise is needed for the workgroup, including individuals from state, tribal, local, and territorial (STLT) health departments and federal levels, to develop effective recommendations and best practices to consider:

- What information is needed at the federal or STLT levels for effective public health surveillance and response
- How data are represented in other standards (eCR, ELR, and other HL7/FHIR implementations)
- Related data elements in U.S. Core Data for Interoperability (USCDI) & USCDI +
- Other standardization work that has been completed or is ongoing
- How data are represented across case notification message mapping guides (MMGs)

Current Work

- Collaboration with CDC on Standardization of Core Case Data Elements
- Best Practices “Data Standardization: Workgroup Proposal for Standardized Case Counting Date *Proposed Calculated Case Counting Date for NNDSS Case Counting*”
- Issue Brief “Data Standardization: Dates of Importance to Public Health Surveillance *Illness (Symptom) Onset Date, Report Dates, Laboratory-Related Dates, (Clinical) Diagnosis Date*”

Data Classes (in progress or under consideration)

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| • Hospitalization* | • Underlying conditions, exposures, and risk factors |
| • Travel* | • Signs and symptoms/clinical manifestation |
| • Health Equity/Social Determinants of Health (SDOH) | • Laboratory Observations |
| • Sexual Orientation and Gender Identity (SOGI) | • Immunization History |
| • Pregnancy | • Medications |
| • Tribal Affiliation | • Reporting source & information source |
| • Race/Ethnicity | • Case identifiers, including CDC emergency response case ID |
| • Disability | • Lab identifiers (to link case and lab data) |
| • Industry and Occupation | |

*discussed in first half of 2023

How to Get Engaged

For more information or to become a member of the DSWG and receive the invitation for the meeting series and workgroup updates, email Becky Lampkins (CSTE) at blampkins@cste.org.

DSWG members meet on the last Friday of each month, from 1-2 pm ET/12- 1 CT.