



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)

Previous 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*”

Upcoming Data Classes

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| • Hospitalization* | • Death |
| • Travel* | • Signs and symptoms/clinical manifestation |
| • Pregnancy* | • Laboratory Observations |
| • Sexual Orientation and Gender Identity (SOGI)* | • Race/Ethnicity/Tribal Affiliation |
| • Industry and Occupation* | • Medication/Treatment |
| • Underlying conditions, exposures, and risk factors | • Reporting Source |
| • Immunization History | • Disability |
| • Identifiers (Case/Event Related/Laboratory) | • Social Determinants of Health (SDOH) |

*in progress

How to Get Engaged

Join the discussion by signing up for Data Element Specific Teams (DEST):

<https://app.smartsheet.com/b/form/3da89d48bda94fc7a33c4a8a505fe54a>. Teams meet monthly. Additionally, the full DSWG meets bimonthly (last Friday of each month @ 1-2 pm ET). By signing up for a DEST, you become a member of the DSWG.

For questions, email Becky Lampkins (CSTE) at blampkins@cste.org.