

CSTE Data Dictionary: All Core Data Elements

Data Class	Repeating	Data Element	Definition	Value Set or Code System	Code for Transmission to CDC	A/D/C
Hospitalization	No	Hospitalized	Indicator the person had one or more hospitalizations associated with the condition	Y/N/U	77974-4 – Whether the patient was hospitalized for condition of interest	Derived
Hospitalization	Yes	Admission Date	The date on which the person was admitted	Date	8656-1 – Hospital admission date	Abstracted
Hospitalization	Yes	Discharge Date	The date on which the person was discharged	Date	8649-6 Hospital discharge date	Abstracted
Hospitalization	No	Admitted to Intensive Care Unit (ICU)	Indicator that the person was admitted to an intensive care unit (ICU) or other speciality care unit for the condition	Y/N/U	95420-6 Whether the patient was admitted to intensive care unit (ICU) for condition of interest	Abstracted
Travel	No	International Travel	Indicator that person spent time outside of the USA states or territories in a time period relevant to the condition	Y/N/U	874901007 – International travel (event)	Derived
Travel	No	Domestic Travel	Indicator that the person spent time domestically outside of their state/territory of residence, but within the USA states or territories, in a time period relevant to the condition	Y/N/U	874902000 – Recent domestic travel (event)	Derived
Travel	No	Specify Different Travel Exposure Window	If the travel exposure window used by the jurisdiction is different from that stated in the CDC travel exposure questions for the condition, specify the time interval in days here. Otherwise, leave blank.	Numeric	INV663 - Specify different travel exposure window	Created
Travel	Yes	International Destination(s) of Recent Travel	International destination or countries where the patient spent time	ISO 3166: Codes for the representation of names of countries and their subdivisions	82764-2 – Country of travel outside the U.S.	Abstracted
Travel	Yes	Domestic Destination(s) of Recent Travel	Domestic destination, state/territory(s) where the person spent time outside of the state/territory of residence	FIPS 5-2: Codes for the identification of the states and associated areas	82754-3 – State of travel	Abstracted
Travel	Yes	Reason(s) for Travel	Reason(s) for time spent outside of the jurisdiction of residence	Travel Purpose (CDC)	66415-1 – Reason for travel related to current illness	Abstracted
Travel	Yes	Date of Arrival to Travel Destination	Date of arrival at destination	Date; <i>If the date is unknown this data element may be left blank</i>	91559-5 – Date of arrival at travel destination	Abstracted
Travel	Yes	Date of Departure from Travel Destination	Date of departure from destination	Date; <i>If the date is unknown this data element may be left blank</i>	91560-3 – Date of departure from travel destination	Abstracted
Pregnancy	No	Pregnancy Status	Pregnancy status of the person at the time of the event (CCCD*)	•77386006 Pregnant •60001007 Not pregnant •UNK Unknown	77996-7 Pregnancy status at time of illness or condition	Derived
Pregnancy	No	Estimated Date of Delivery (EDD)	Estimated date of delivery of the pregnancy	Date; <i>If the date is unknown this data element may be left blank</i>	11778-8 Delivery date Estimated	Abstracted Derived
Industry and Occupation	Yes	Current Industry	Narrative text of a person's current industry	Text	85078-4 Occupation industry	Abstracted
Industry and Occupation	Yes	Current Industry Standardized	The CDC NIOSH standard industry code and standard text based upon the narrative text of a person's current industry.	North American Industry Classification System (NAICS) 2017 (Future implementations may consider newer versions)	TBD (New LOINC codes that do not explicitly reference the Census value sets may need to be requested prior to implementation.)	Abstracted Derived
Industry and Occupation	Yes	Current Occupation	Narrative text of a person's current occupation	Text	85658-3 Occupation	Abstracted
Industry and Occupation	Yes	Current Occupation Standardized	The CDC NIOSH standard occupation code and standard text based upon the narrative text of a person's current occupation.	Standard Occupational Classification 2018 (SOC) (Future implementations may consider newer versions)	TBD (New LOINC codes that do not explicitly reference the Census value sets may need to be requested prior to implementation.)	Abstracted Derived
Industry and Occupation	No	Current Employment Status	Person's current self-reported economic relationship to work (e.g., having one or more jobs)	•Employed (Full-time or part-time) •Unemployed (Not employed and seeking employment) •Not in Labor Force (Not working and not seeking employment; e.g., retired, student) •Unknown	67875-5 Employment status - current	Abstracted

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Death	No	Person Deceased	Indicator that the person is deceased	Y/N/U	TBD	Abstracted
Death	No	Date of Death	Person date of death	Date	81954-0 – Date of death [Date]	Abstracted
Death	No	Death Associated with Condition	Indicator that death was associated with the condition	Y/N/U	77978-5 – Patient died from illness of interest	Derived
Immunizations	Yes	Vaccine Type	The type of vaccine administered for the condition being reported	CVX codes – Vaccines Administered (HL7 Standard Code Set) Condition-specific value sets	30956-7 – Type [Identifier] Vaccine	Abstracted
Immunizations	Yes	Vaccine Administered Date	The date that the vaccine was administered	Text	30952-6 – Date and time of vaccination	Abstracted
Immunizations	Yes	Vaccine Manufacturer	The company which manufactured the vaccine	MXV – Manufacturers of Vaccines (HL7 Standard Code Set)	30957-5 – Manufacturer name [Identifier] Vaccine	Abstracted
Immunizations	Yes	Vaccine Event Information Source	The information source for this vaccination record	Vaccine Event Information Source (NND)	VAC147 – Vaccine Event Information Source	Abstracted
Immunizations	No	Ever Vaccinated Against this Disease	Indicator that the person has ever received a vaccine against this disease	Y/N/U	VAC126 – Did the Subject Ever Receive a Vaccine Against This Disease	Derived
Immunizations	No	Vaccination Doses Prior to Illness Onset	Number of vaccine doses against this disease prior to illness onset	Numeric	82745-1 – Doses of vaccine given [#] –pre symptom onset	Abstracted Derived
Immunizations	No	Date of Last Dose Prior to Illness Onset	Date of last vaccine dose against this disease prior to illness onset	Date	VAC142 – Date of Last Dose Prior to Illness Onset	Abstracted Derived
Signs and Symptoms	Likely best format	Signs and Symptoms Data Class	Signs, symptoms, and other clinical manifestations associated with the condition being reported	Individual signs, symptoms, and clinical manifestations should be represented using SNOMED-CT when available. Local codes may be created as needed. These value sets will be defined by CDC programs. The Signs and Symptoms Indicator would take values of Yes/No/Unknown.	Utilizing the repeating group format, Signs and Symptoms would be transmitted as two data elements: Signs and Symptoms- LOINC: 56831-1 Problem-associated signs and symptoms Signs and Symptoms Indicator- CDC Local Code: INV919 Indicator for associated signs and symptoms	Abstracted
Signs and Symptoms	No	Signs and Symptoms Data Class Indicator	Indicator that the person experienced any listed signs, symptoms, or other clinical manifestations associated with the condition being reported	Y/N/U	TBD	Derived
Exposures, Risk Factors, and Underlying Conditions	No	Exposure Data Class Indicator	Indicator that the person experienced any listed exposure associated with the condition being reported	Y/N/U	TBD	Derived
Exposures, Risk Factors, and Underlying Conditions	Likely best format	Exposure Data Class	Within exposure window, either the person's contact with an entity (person, animal, or substance) or presence at a location where exposure to an agent could have occurred (i.e., where did pathogen come from).	Individual exposures should be represented using SNOMED-CT when available. Local codes may be created as needed. These value sets will be defined by CDC programs. The Exposure Indicator would take values of Yes/No/Unknown.	Utilizing the repeating group format, Exposures would be transmitted as two data elements: Exposure - TBD Exposure Indicator- CDC Local Code: INV1086	Abstracted
Exposures, Risk Factors, and Underlying Conditions	No	Risk Factor Data Class Indicator	Indicator that the person has any listed risk factor associated with the condition being reported	Y/N/U	TBD	Derived

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Exposures, Risk Factors, and Underlying Conditions	Likely best format	Risk Factor Data Class	Characteristics, behaviors, or social/environmental factors that increase the likelihood of developing a disease or condition.	Individual risk factors should be represented using SNOMED-CT when available. Local codes may be created as needed. These value sets will be defined by CDC programs. The Risk Factor Indicator would take values of Yes/No/Unknown.	Utilizing the repeating group format, Risk Factors would be transmitted as two data elements: Risk Factor – TBD Risk Factor Indicator- CDC Local Code: INV1117 Patient Epidemiological Risk Factors Indicator	Abstracted
Exposures, Risk Factors, and Underlying Conditions	No	Underlying Health Condition Data Class Indicator	Indicator that the person has any listed underlying health condition associated with the condition being reported	Y/N/U	TBD	Derived
Exposures, Risk Factors, and Underlying Conditions	Likely best format	Underlying Health Condition Data Class	Pre-existing health conditions that may worsen the course or severity of the disease or health condition.	Individual underlying health conditions should be represented using SNOMED-CT when available. Local codes may be created as needed. These value sets will be defined by CDC programs. The Underlying Health Condition Indicator would take values of Yes/No/Unknown.	Utilizing the repeating group format, Underlying Health Conditions would be transmitted as two data elements: Underlying Health Conditions – TBD Underlying Health Condition Indicator - CDC Local Code: INV662 Underlying Conditions Indicator	Abstracted
Disability	Likely best format	Disability Type	Type of disability (vision, hearing, mobility, cognition, self-care, independent living, communication, or intellectual/developmental). Indicate all that apply.	• Impaired cognition (finding) (386806002) • Decreased hearing (finding) (103276001) • Impaired mobility (finding) (82971005) • Abnormal vision (finding) (7973008) • Difficulty performing personal care activity (finding) (284778005) • Functionally dependent (finding) (718705001) • Difficulty communicating (finding) (288579009) • Intellectual disability (disorder) (110359009)	LOINC: 95377-8 – Disability type	Abstracted
Disability	Likely best format	Disability Type Indicator	Indicator representing whether or not the person had the disability in the corresponding instance of the repeating group.	Y/N/U	TBD	Abstracted
Identifiers	Yes	Identifier Type	Descriptor of the identifier transmitted in Identifier Value	Minimum value set (additional values may be added as needed for certain conditions): • CDC-assigned Case ID: A CDC-assigned ID for use in situations such as an emergency response • Jurisdiction-assigned Outbreak ID: A jurisdiction-assigned ID for an identified outbreak • NORS ID: The outbreak ID from CDC's National Outbreak Reporting System (NORS) with which the case report is associated	TBD	N/A
Identifiers	Yes	Identifier Value	Unique identifier value corresponding to the type transmitted by Identifier Type	Text	TBD	Created
Laboratory	Yes	Test Performed	Code for the lab test or analysis that was performed on the specimen.	LOINC code system + "Other"	INV290 - Test Type	Abstracted
Laboratory	Yes	Test Result	Qualitative or quantitative results for test performed. This can include various types of results such as numeric, coded, text, or other types relevant to the specific result.	For Coded results: • Any valid SNOMED-CT (including the APhL SCT extension codes) • Other, specify (to capture non-SNOMED codes)	INV291 - Test Result	Abstracted
Laboratory	Yes	Units of Measure	Units of measure for the test result value, if applicable.	Unified Code for Units of Measure (UCUM)	OBX-6 for INV291 - Test Result	Abstracted

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Laboratory	Yes	Specimen Type	The type of specimen used in testing the resulted lab test	- Any valid value from the SNOMED-CT Specimen hierarchy - Other, specify	66746-9 – Specimen type	Abstracted
Laboratory	Yes	Specimen Source Site	Indicator of the anatomical source of the specimen tested	- Any valid value from the SNOMED-CT Body Structure hierarchy - Other, specify	31208-2 – Specimen Source identified	Abstracted
Laboratory	Yes	Specimen Collection Date/Time	Date (and time as available) a clinical specimen was collected from the person for the laboratory testing relevant to the disease or condition being reported to a public health agency.	DateTime	68963-8 - Collection date and time of Specimen	Abstracted
Laboratory	Yes	Date/Time of Lab Result	Date (and time as available) the latest result was released for reporting	DateTime	90056-3 Date and time lab result reported	Abstracted
Social Determinants of Health	No	Housing Status	Housing status of a person at the first epidemiologically relevant date associated with the case (i.e., CCCD*)	32911000 Homeless (finding) 414418009 Housed (finding) 261665006 Unknown (qualifier value)	71802-3 Housing status	Abstracted
Social Determinants of Health	No	Primary Living Situation	Primary living situation of a person at the first epidemiologically relevant date associated with the case (i.e., CCCD)	- Private residence in a long-term arrangement of more than 14 days - Hotel/motel or vacation rental in a long-term arrangement of more than 14 days - Private residence in a short-term arrangement of 14 days or less - Hotel/motel or vacation rental, short-term arrangement 14 days or less - Shelter or safe haven (congregate setting) - Temporary, non-congregate housing provided by charity or government program (e.g., transitional housing, pallet shelter, hotel/motel) - Structure or vehicle not meant for human habitation - Vehicle meant for human habitation (e.g., RV) - Open air - Migrant worker housing - Military barracks - School/university dormitory - Other congregate housing for workers/students - Federal adult correctional facility - State adult correctional facility - Local adult jail/detention facility - Juvenile correctional/detention facility - Other correctional/detention facility (e.g., border detention facility) - Mental/Behavioral/Substance use treatment facility - Long term care facility - Medical respite/Recuperative care facility - Group home or residential facility not provided by employer or school - Unknown - Other	TBD	Abstracted
Social Determinants of Health	No	Preferred Language	The language a person is most comfortable using for communication	Minimum Value Set: NHSN Abridged Primary Language List Additional codes from the ISO 639-3 code set can be utilized as needed.	54899-0 Preferred language	Abstracted
Social Determinants of Health	No	Educational Attainment	Highest degree or level of school completed by the person at the first epidemiologically relevant date associated with the case (i.e., CCCD*)	- Less than 9th grade 9th-12th grade, no diploma - High school graduate (includes equivalency - i.e., GED) - Some college/university, no degree - Technical/vocational certification - Associate's degree - Bachelor's degree - Graduate or professional degree - Unknown	82589-3 Highest level of education	Abstracted

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Social Determinants of Health	No	Healthcare Insurance or Access Type	Person's type of health insurance coverage or other healthcare access, select all that apply	All options that apply may be selected from the following value set: •Private insurance (e.g., from employer, from Marketplace) •Medicare •Medicaid •TRICARE or other military-associated health care •Veterans' Health Administration health care •Indian Health Service funded (includes Tribe operated or Urban Indian health center) •Correctional/Detention facility healthcare service •Other public insurance (e.g., CHIP, community health care plan sponsored by local government) •Other •Uninsured/Self-pay •Unknown	TBD	Abstracted