

Social Determinants of Health

CSTE DSWG Data Element Specific Team

10/18/2024



Council of State and Territorial Epidemiologists

CSTE Data Standardization Workgroup Meeting



Please mute phone/ headset/ computer audio!

Agenda

- Welcome & Announcements
- Residence Type Discussion
- Primary/Preferred Language Background
- Primary/Preferred Language Discussion
- 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

Out of Scope:

- Defining how a question should be worded when conducting a case interview
 - These data may be collected during a case interview, but may also come from eCR, ELR, manual review of medical records, or relayed from a healthcare provider
- Defining how a data element must be worded within a jurisdictional surveillance system
- Limiting the value set for responses collected by a jurisdiction

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?

Previous Call: SDOH - Residence Type



Concepts Related to Residence



In scope today:

- Homelessness
 - Sheltered
 - Unsheltered
- Residence in a congregate setting
 - Correctional/detention facility
 - Other congregate settings (e.g., residential care facility, group home)

Out of scope today:

- Housing stability/instability
- Housing quality/conditions
- Crowding

CDC-Validated Question Set

- I would like to ask about where you have been living for the past [insert time period of interest]. Have you been staying in the same place for the past [insert time period of interest], or have you been going between or staying at two or more places?
 - One, Multiple, Declined, Don't know
- Where have you been staying for the past 2 weeks?
 - Write free-text what the response is. Use to select options from an extensive list. (124 values)
- Different options have specific follow-up questions- Do you own/lease/rent? Is it a vehicle? Made for a human to live in? Paid for by charity?

CDC-Validated Question Set



- Private residence in a long-term arrangement
- Residential facility for workers or students
- Hotel/motel or vacation rental in a long-term arrangement
- 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 (incl. hotel/motel paid by charity or gov't prog)
- Structure not meant for human habitation
- Vehicle not meant for human habitation
- Open air, part of an established encampment
- Open air, not part of an established encampment
- Correctional or detention facility
- Facility that provides medical/behavioral health treatment
- Group home or residential facility not provided by employer or school
- Declined to answer
- Doesn't know
- Unknown
- Other

Value Set Mapping



Residence Type Categories	Congregate Setting?	Housing Status
Private residence in a long-term arrangement	No	Housed
Residential facility for workers or students	Yes	
Hotel/motel or vacation rental in a long-term arrangement	No	
Private residence in a short-term arrangement of 14 days or less	No	Sheltered Homelessness
Hotel/motel or vacation rental, short-term arrangement 14 days or less	No	
Shelter or safe haven (incl. hotel/motel paid by charity or gov't prog)	Yes	
Structure not meant for human habitation	No	Unsheltered Homelessness
Vehicle not meant for human habitation	No	
Open air, part of an established encampment	Yes	
Open air, not part of an established encampment	No	
Correctional or detention facility	Yes	If stay is < 90 days and prior situation was unsheltered homelessness or shelter or safe haven, Sheltered Homelessness; otherwise, Housed.
Facility that provides medical/behavioral health treatment	Yes	
Group home or residential facility not provided by employer or school	Yes	

Current Case Notifications to CDC (MMGs)



- Which would best describe where the patient was staying at the time of illness onset?
- Where was the patient a resident at time of initial culture?
- Was the patient homeless at time of symptom onset?
- Type of facility where the patient was incarcerated for longer than 24 hours before symptom onset?
- If patient was a Resident of Correctional Facility at Diagnostic Evaluation, indicate the type of correctional facility.

Out of Scope, part of Exposures or Risk Factors data classes:

- Was the patient ever incarcerated for longer than six months during his or her lifetime?
- No fixed residence for any given period of time
- Prior to the onset of symptoms, was the patient incarcerated for longer than 24 hours? For Acute Hep B, the time period prior to onset of symptoms is 6 weeks - 6 months. For Acute Hep C, the time period prior to onset of symptoms is 2 weeks - 6 months.
- Was the patient ever incarcerated for longer than six months during his or her lifetime?
- Been incarcerated within the past 12 months

In previous work, the DSWG has defined a Calculated Case Counting Date (CCCD) for use by jurisdictions.

The CCCD is defined as the earliest available of six component dates associated with a case. (All component dates may not be available, relevant, or collected for each case.)

- Symptom Onset Date
- Clinical Diagnosis Date
- Earliest Specimen Collection Date Associated with a Positive Lab Result
- Earliest Result Date of a Positive Lab Result
- Date First Received by Public Health Agency
- Date Entered/Record Initiated

Starting Definition from Sept.

- Intended to capture someone's current status (at time of CCCD?) rather than during an exposure period or historically (as a risk factor)
- Would like it to transmit health-related social needs data on someone's housing status (e.g., homeless) and if part of a congregate living setting (e.g., incarceration)

Data Element	Definition	Value set or coding system
Current Residence Type	Current living situation or housing status of a person at the time of the CCCD	TBD Coded data element

Previous Call



- 95% of the group believes "Residence Type" should be a core data element
- Split on the definition: Current or at a specific time? Housing status and living situation or just living situation? What if someone doesn't know what the CCCD is?
- Differing views on most useful level of granularity of the value set
 - Split out military housing, types of correctional facilities, capture both homelessness and living in a congregate setting

Between Meeting Poll



- 25 responses
- Majority (14/25) preferred using a time frame of "at first epidemiologically relevant date associated with the case (i.e., CCCD)"
 - Runner up with 6/25 is "Current" living situation/housing status
- 12/25 prefer this as two data elements of housing status (homeless, housed, unknown) and one for living situation (private residence, dormitory, long term care, etc.)
- 13/25 prefer one data element, most of those (10) prefer just "living situation" as the description
- We'll talk more today about what value sets could look like for this as one data element or as two

Between Meeting Poll



Value Set preference was also split down the middle.

Takeaways from Comments:

- Need to separate out types of correctional facilities
- "Doesn't know" seems unnecessary to separate from Unknown
- Need a military option or clarity where military goes.
- Could use additional instructions/context for particular answers (migrant housing, LTCFs)
- "long term (≥ 14)" days is confusing with the context of "Current" or "at CCCD"

Discussion: SDOH - Residence Type



CDC-Validated Question Set



- Private residence in a long-term arrangement
- Residential facility for workers or students
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- 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 (incl. hotel/motel paid by charity or gov't prog)
- Structure not meant for human habitation
- Vehicle not meant for human habitation
- Open air, part of an established encampment
- Open air, not part of an established encampment
- Correctional or detention facility
- Facility that provides medical/behavioral health treatment
- Group home or residential facility not provided by employer or school
- Declined to answer
- Doesn't know
- Unknown
- Other

Discussion: Residence Type Granularity



Where is it necessary to get more granular?

- Correctional Facilities

- Federal Prison
- State Prison
- Juvenile Detention Facility
- Jail
- Other Correctional/Detention Facility (e.g., Border Detention Facility)
- Prison
- Jail
- Other Correctional/Detention Facility

- Residential facility for workers or students

- Migrant worker camp
- Military barracks
- School/University dormitory
- Other congregate housing for workers/students

Discussion: Residence Type Granularity



Facility that provides medical/behavioral health treatment

Options from CDC granular value set (16):

- Acute care facility
- Behavioral health facility
- Detoxification services facility
- Hospice (inpatient)
- Hospital
- Inpatient rehabilitation center
- Long term (acute) care facility
- Mental health center
- Nursing home
- Psychiatric hospital
- Residential treatment center
- Skilled nursing facility
- Substance use treatment facility
- Transitional care unit (TCU)
- Medical respite
- Recuperative care facility

More condensed (4):

- Hospital
Acute care facility
Inpatient rehabilitation center
Transitional care unit (TCU)
Hospice (inpatient)
Inpatient Hospital/Acute Care Facility
- Behavioral health facility
Detoxification services facility
Mental health center
Psychiatric hospital
Substance use treatment facility
Residential treatment center
Mental/Behavioral Health or Substance Use Treatment Facility
- Long term (acute) care facility
Nursing home
Skilled nursing facility
Long Term Care Facility
- Medical respite
Recuperative care facility
Medical Respite/ Recuperative Care Facility

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
- Participant voting

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 – Correctional Facility



How should "Correctional Facility" be split within the value set?

- Five Options:
 - Federal Prison
 - State Prison
 - Juvenile Detention Facility
 - Jail
 - Other Correctional/Detention Facility (e.g., Border Detention Facility)
- Three Options:
 - Prison
 - Jail
 - Other Correctional/Detention Facility (e.g., Border Detention Facility, Juvenile Detention Facility)

Poll #2 – Student/Worker Housing



How should "Residential facility for workers or students" be split within the value set?

- One Option:
 - Residential facility for workers or students
- Four Options:
 - Migrant worker camp
 - Military barracks
 - School/University dormitory
 - Other congregate housing for workers/students

Poll #3 – Medical Facility



How should "Facility that provides medical/behavioral health treatment" be split within the value set?

- One Option:
 - Facility that provides medical/behavioral health treatment
- Four Options:
 - Inpatient Hospital/Acute Care Facility
 - Mental/ Behavioral/ Substance Use Treatment Facility
 - Long Term Care Facility
 - Medical Respite/ Recuperative Care Facility
- Sixteen Options

Discussion: Residence Type

- Some of these options don't allow for assessment of housing status
 - Correctional or detention facility
 - Facility that provides medical/behavioral health treatment
 - Group home or residential facility not provided by employer or school
- For a short-term situation (e.g. in Jail or hospital for a week or two) do we need to capture they are otherwise housed vs homeless? Could breaking this into two data elements help here?

Residence Type: One or Two Data Elements?



- Homeless
- Housed
- Unknown

- Private residence in a long-term arrangement
- Residential facility for workers or students
- Hotel/motel or vacation rental in a long-term arrangement
- ~~• 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 (incl. hotel/motel paid by charity or gov't prog)
- Structure not meant for human habitation
- Vehicle not meant for human habitation
 - Unknown
 - Other
- Open air, part of an established encampment
- Open air, not part of an established encampment
- Correctional or detention facility
 - *Prison – Jail – Other Correctional/Detention Facility*
- Facility that provides medical/behavioral health treatment
 - *Inpatient Hospital/Acute Care 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
 - *Migrant worker camp - Military barracks - School/University dormitory - Other congregate housing for workers/students*

If one data element: Add option for “Homeless (Unknown Living Situation)”

Poll #4 One or Two Variables?



Should Residence Type be captured as one core variable or two core variables?

- One variable
 - Housing status/living situation
- Two variables
 - Housing status (homeless, housed, unknown) and separately living situation (private residence, prison, LTCF, etc.)

Discussion: Residence Type Definition



How should Residence Type timeframe be defined?

- "At the first epidemiologically relevant date associated with the case (i.e., CCCD)"
 - Tied to the timeframe of the case
 - Aligns with pregnancy status language used
- "Current" living situation/housing status of the person
 - Demographic variable that may be more easily mapped from electronic data sources?
 - Aligns with I/O language used

These represent slightly different concepts (although for most cases will likely be the same answer) – which timeframe is important to be core across conditions?

Poll #6 Residence Type Timeframe



How should "Residence Type" be defined?

- A. Living situation of a person at first epidemiologically relevant date associated with the case (i.e., CCCD)
- B. Current living situation of a person
- C. I cannot live with either of the above

Next Steps



- Upcoming team meetings:
 - 11/8 1-2 pm ET – SDOH Call #3
 - 11/15 1-2 pm ET – SDOH Call #4
 - Primary Language?, Highest Level of Education
 - Insurance, Income
 - [Link to Sign Up](#)
- The next large DSWG call will be on October 25.

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.