OFR
Overdose Fatality Review

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Data System Guidance

Version 1.0

BJA's Comprehensive Opioid, Stimulant, and Substance Abuse Program

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The OFR Data System structure, variables, and responses were developed by the OFR Data Work Group topic leads and members.

OFR Data Work Group Topic Leads

Sarah Bacon, U.S. Centers for Disease Control and Prevention
Lisa Bullard-Cawthorne, Wisconsin Department of Health Services
Sophia Hannauer, Wisconsin Department of Justice
Melissa Heinen, Institute for Intergovernmental Research
Mallory O'Brien, U.S. Bureau of Justice Assistance
Amy Parry, Medical College of Wisconsin
Sarah Rockhill, Michigan Department of Community Health
Erin Russell, Institute of Intergovernmental Research
Lauren Savitskas, Indiana Department of Health
Jason Schaak, West Allis Fire Department
Emilia Sigrid Pasalic, U.S. Centers for Disease Control and Prevention

OFR Data Work Group Members

Lacie Ampadu, Arizona Department of Health Services
Meghan Balough, Utah Department of Health
Nava Bastola, New Jersey Hight Intensity Drug Trafficking Area
Megan Broekemeier, Utah Department of Health
Mary DeLaquil, Minnesota Department of Health
Angie Deokar, U.S. Centers for Disease Control and Prevention
Rebecca Egbert, Michigan State Police
Constance Kostelac, Medical College of Wisconsin
Veronica Little, Utah Department of Health
Jamie Margetta, Minnesota Department of Health
Amy Moore, Michigan Department of Health and Human Services
Aubrianna Perez, Arizona Department of Health Services
Kimberly Reilly, Ocean County Health Department
Aurielle Smith, Wisconsin Department of Health Services
Anne Thomas, Hamilton County Public Health Department
Maureen Ward, Montana Department of Public Health and Human Service

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Data Reporter Guidance

Data Entry Tips

- **Interpreting known:** An OFR team gathers information from partners across multiple agencies to understand the circumstances leading to an overdose fatality. The ability of the team to know whether an event or circumstance occurred is limited to the information and records available to the team. As a result, many data points in this instrument ask the data reporter to indicate whether there were any known instances of an event or circumstance. For these data points, the data reporter is not provided with an "unknown" option. If the team is unaware of any instances of the event or circumstance, then the data reporter is advised to select "no." For example, question 2.8 asks *Known homeless at the time of death*. The data reporter would select "no" in two instances; 1) the team has knowledge that the decedent was not homeless at the time of death or 2) the team does not know whether the decedent was homeless at the time of death.

- **Handling unknown numbers:** When the data reporter is asked to report a number and the team does not have the information, the data reporter is advised to leave the response blank. For example, question 2.4 asks *Age in years* (of the decedent). If the team does not know the decedent's age, then the data reporter would leave the response blank. Unknown numbers should be left blank for all numeric fields, unless the question asks the number of known events. In this instance, the data reporter would enter "0." For example, question 12.3 asks *Over the decedent's life, number of known nonfatal drug overdoses.*

- **Handling identifiers:** Certain data points are coded as identifiers in REDCap and automatically are removed from the data set when an individual with access to de-identified data only accesses and exports the data set. The variables coded as identifiers are indicated in the tables at the end of this document. In addition, any variables included in the *Site-Only Variables* form will not be included in a data export shared with national partners.

- **Reporting dates:** The data instrument asks about event dates to assist the team in understanding the timeline leading up to the overdose fatality. For each date asked, the data reporter is advised to enter an exact date in a *mm-dd-yyyy* format (e.g., 06-01-2020). If the exact date is not known, the data reporter is advised to enter 09-09-9999. This will prompt a skip pattern that then allows the data reporter to enter an approximate date (e.g., June 2020).

- **Verifying complete data:** At the end of each form within the data instrument is the following statement: *Change the form status to "complete" only when all fields have been reviewed and all available data has been entered.* Data reporters are strongly encouraged to review each form prior to changing the form status to "complete" to ensure high data quality. The "unverified" status can be utilized by data reporters to indicate that a form

has been partially completed but not yet verified. Marking the form as "complete" or "unverified" will change the status of the form on the dashboard; this information can be used by data reporters to track the status of data entry on particular forms of each data instrument. All forms should be put into a "complete" status when all fields have been reviewed and data entry is complete. The status of each form can be verified in the Record Status Dashboard. Forms marked as complete will be green.

Overdose Fatality Review Case Information

1. OFR Administration

1.1) Case-unique identifier (REDCap-generated)

Variable: case_id

Question type: Automatically generated by REDCap

Definition: REDCap will generate a unique case ID.

Guidance: None

Reference: None

1.2) Name of person completing this form

Variable: contact_name

Question type: Text entry

Definition: First and last name of the person completing this case record information.

Guidance: This is the first and last name of the person entering the data for this case.

Reference: None

1.3) Email for the person completing this form

Variable: contact_email

Question type: Text entry

Definition: Email address of the person listed in contact_name.

Guidance: This is the email address of the person entering the data for this case, listed in contact_name.

Reference: None

1.4) Date completing this form

Variable: form_date

Question type: Date entry

Definition: Date the case entry was started.

Guidance: You must enter “MM” and “DD” as two-digit numbers (e.g., “06” for June, not “6”).

Reference: None

1.5) Date the case was reviewed in the OFR

Variable: review_date

Question type: Date entry

Definition: Date the case was reviewed at an OFR.

Guidance: You must enter “MM” and “DD” as two-digit numbers (e.g., “06” for June, not “6”). Enter 09-09-9999 if exact date is unknown.

Reference: None

1.6) What was the case selection criterion?

Variable: case_criteria

Question type: Select only one.

Definition: The criterion used to select the case to review.

Guidance: Select the response that best describes the case selection criteria for this case. Specify “theme” or “other” response.

Reference: None

1.6a) Specify type of “Theme review”

Variable: case_criteria_theme

Question type: Text entry

Definition: Specifies the type of theme review.

Guidance: None

Reference: None

1.6b) Specify "Other"

Variable: case_criteria_othr

Question type: Text entry

Definition: Specifies the other case criterion used to select the case to review.

Guidance: None

Reference: None

1.7) What data sources were shared at the review meeting?

Variable: data_type

Question type: Check all that apply.

Definition: Indicates which data were shared or provided for the case review.

Guidance: Select the response that best describes the data provided for the case. Specify "other" response. For example, if a behavioral health provider is present but does not provide data on this specific case, do not select "behavioral health record information."

Reference: None

1.7a) Specify "Other"

Variable: data_type_othr

Question type: Text entry

Definition: Specifies the other data source shared at the meeting.

Guidance: None

Reference: None

1.8) What OFR members were present/represented at the review meeting?

Variable: member_type

Question type: Check all that apply.

Definition: Indicates OFR members or partners (guest participants) present at the meeting.

Guidance: Select the response(s) that best describe those present at the case review, regardless of whether they provided data or information about the case.

Note: Overdose Fatality Review (OFR) teams may want a meeting sign-in form that allows participants to select which professional sectors they represent.

Reference: None

1.8a) Specify "Other"

Variable: member_type_othr

Question type: Text entry

Definition: Specifies the other member present/represented at the meeting.

Guidance: None

Reference: None

2. Decedent Demographic Information

2.1) Decedent's first name

Variable: first_name

Question type: Text entry

Definition: First name of the decedent.

Guidance: This is the first name of the decedent for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Reference: None

2.2) Decedent's last name

Variable: last_name

Question type: Text entry

Definition: Last name of the decedent.

Guidance: This is the first name of the decedent for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Reference: None

2.3) Decedent's date of birth (DOB)

Variable: decedent_dob

Question type: Date entry

Definition: Date of birth of the decedent.

Guidance: This is the decedent's date of birth for tracking purposes of the OFR team, indicated in REDCap as an identifier. You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

2.3a) If exact date is not known, enter the approximate date of birth (DOB)

Variable: decedent_dob_app

Question type: Text entry

Definition: Approximate date of birth of the decedent.

Guidance: Enter the approximate date (e.g., June 2020).

Reference: None

2.4) Age in years

Variable: age_years

Question type: Text entry

Definition: Indicates the decedent's age at death.

Guidance: Enter whole number. Range 1–120. Leave blank if age in years is unknown.

Reference: None

2.5) Birth state

Variable: birth_state

Question type: Select only one.

Definition: Indicates the state in which the decedent was born.

Guidance: Identifies the state in which the decedent was born.

Reference: None

2.6) Birth country

Variable: birth_country

Question type: Text entry

Definition: Indicates the country, other than the United States, where the decedent was born.

Guidance: Identifies the country, other than the United States, in which the decedent was born.

Reference: None

2.7) State of residence

Variable: residence_state

Question type: Select only one.

Definition: The state in which the decedent lived.

Guidance: Identifies the state in which the decedent lived.

Reference: None

2.7a) County of residence

Variable: residence_county_*xx*

Question type: Select only one.

Definition: Indicates the county (or county equivalent) in which the decedent lived.

Guidance: See Appendix B.

Reference: None

2.7b) City of residence

Variable: residence_city

Question type: Text entry

Definition: Indicates the city in which the decedent lived for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Guidance: None

Reference: None

2.7c) Residence ZIP code

Variable: residence_zip

Question type: Text entry (zipcode)

Definition: Indicates the postal ZIP code in which the decedent lived for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Guidance: None

Reference: None

2.7d) Street address of residence

Variable: residence_street

Question type: Text entry

Definition: Indicates the street address where the decedent lived for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Guidance: None

Reference: None

2.8) Known homeless at the time of death

Variable: homeless

Question type: Select only one.

Definition: Indicates the decedent's homeless status.

Homeless persons are those who reside in one of the following: (1) places not designed for or ordinarily used as regular sleeping accommodations for human beings, including the following: a car or other private vehicle; a park, on the street, or another outdoor place; an abandoned building (i.e., squatting); a bus or train station; an airport; or a camping ground; (2) a supervised publicly or privately operated shelter or drop-in center designated to provide temporary living arrangements; congregate shelters; temporary accommodations provided by a homeless shelter (e.g., a motel room provided because the shelter was full); or transitional housing for homeless persons; or (3) do not have primary nighttime residence, which may include a motel or hotel or a doubled-up situation—meaning staying with friends or family or "couch surfing."

Guidance: Clarification of housing instability measures.

Marking this variable "Yes, sleeping outdoors or in a shelter or transitional housing program" means that there was clear evidence in a document that the decedent was homeless, such as living in a car. This response captures people who are living in a place not meant for human habitation, such as an emergency shelter or transitional housing, or who are exiting an institution where they temporarily resided. Examples for this category include the following:

- Decedent had been living in his car since his wife discovered he had relapsed on meth and kicked him out of the family home.
- Decedent had been staying at a local homeless shelter for the past three months.
- Decedent lived in an abandoned house or building along with several other homeless individuals.
- Decedent was residing in a tent on a local campground.

Marking this variable "Yes, couch surfing or residing in motel or hotel" means that the decedent did not have a home of his or her own but was staying indefinitely with friends or family, lived in a hotel, or had a residential address that is not a shelter. This response captures people who did not have a primary nighttime residence, which may include a motel or hotel or a doubled-up situation with family, friends, or acquaintances, Examples for this category include the following:

- Decedent had been staying at a motel after being evicted two weeks ago.
- Decedent and her husband were staying with a friend indefinitely.

References:

- NVDRS 3.2.6 Homeless (modified)
- HUD Definition of Homeless, https://endhomelessness.org/resource/changes-in-the-huddefinition-of-homeless/
- Wilder survey of persons without permanent shelter, https://www.wilder.org/sites/default/files/imports/MN%20Statewide%20Homeless%20S urvey-2018_October.pdf

2.9) Sex of decedent

Variable: sex

Question type: Select only one.

Definition: Indicates the decedent's biological sex at the time of the incident.

Guidance: Sex captures the biological sex of the decedent.

If the decedent is transgender, please record the decedent's legal sex as indicated by at least one of the three primary data collection sources: death certificate, coroner/medical examiner,

or law enforcement. A disagreement on the sex of the decedent across data sources may indicate transgender status.

Reference: NVDRS 3.1.6 Sex of victim

2.9a) Pregnancy status

Variable: pregnancy_status

Question type: Select only one.

Definition: Indicates whether the decedent was pregnant or recently pregnant at the time of death.

Guidance: This variable is used to identify pregnant or recently pregnant decedents and to document types of violence against pregnant and postpartum women. Decedent's pregnancy status is often noted on the death certificate and in the coroner/medical examiner's (CME) report. Findings are more likely to be authoritative if a full autopsy has been performed.

- This variable should be coded for all female decedents regardless of age.
- This variable is based on the codes by the new U.S. standard death certificate. As such, it collects pregnancy status at the time of death, not at the time of injury.
- Regardless of the decedent's age, code "unknown if pregnant within past year" if the decedent's pregnancy status is not mentioned on the CME record and not completed on the death certificate.

Reference: NVDRS 3.1.18 Victim was pregnant

2.9b) Did the decedent have known access to prenatal services?

Variable: prenatal_services

Question type: Select only one.

Definition: Accessing prenatal care may be an indicator of general health access as well as an opportunity for intervention by the health care system for the care of the decedent and a fetus/newborn.

Guidance: None

Reference: None

2.10) Gender identity

Definition: Indicates whether the decedent self-identified as transgender or whether a friend/family member reports that the decedent self-identified as transgender.

Question type: Select only one.

Guidance: Transgender is defined as individuals "who experience incongruence between birth sex and gender identity."

For instance, a person with a biological sex of a male may self-identify as female. An individual should be identified as transgender if he or she identified as transgender or if family, friends, physicians, or other acquaintances identified the individual as transgender. Also, check this variable if the decedent was undergoing or had undergone sex-change surgery or hormone therapy to support a sex change.

Reference: NVDRS 3.1.7 Transgender

2.10a) Specify "Other"

Variable: gender_identity_othr

Question type: Text entry

Definition: Specifies other gender identity.

Guidance: None

Reference: None

2.11) Relationship status at the time of incident

Variable: relationship_status

Question type: Select only one.

Definition: Indicates the decedent's relationship status at the time of the incident.

Guidance: This variable is used to identify the decedent's s relationship status at the time of the incident. The decedent's relationship with another person or persons is described as a relationship beyond the level of friendship that may be serious or casual, short- or long-term. The relationship also involves some level of intimacy that may or may not be sexual in nature. Relationship status should be inferred only from marital status information on the death certificate or other source documents if the decedent is married at the time of the incident; otherwise, this information must be noted in either the coroner/medical examiner's (CME) or law enforcement (LE) report. If information about the decedent's being in a relationship is not explicitly stated in either report, code "unknown."

If decedent's marital status is "Married/Civil Union/Domestic Partnership," you can infer that the decedent was in a relationship at the time of the incident.

If decedent's marital status is "Married/Civil Union/ Domestic Partnership, but separated," code this as "unknown," unless information is provided to suggest that the decedent was in a relationship at the time of the incident.

If decedent is noted to be in multiple relationships, code this as "currently in a relationship."

Regardless of the decedent's age, code "unknown" if decedent's relationship status is not mentioned in the CME or LE record.

Reference: NVDRS 3.1.16 Relationship Status

2.12) Sex of partner

Variable: partner_sex

Question type: Select only one.

Definition: Indicates the decedent's partner's sex in relation to the decedent's sex.

Guidance: If the decedent's marital status is "Married/Civil Union/ Domestic Partnership" and the decedent is also in another relationship (e.g., extramarital affair), code this variable based on the sex of the partner to whom the decedent is married.

If the decedent is noted to be in multiple relationships at the time of the incident, code "unknown" unless narrative captures sex of one of the partners. If more than one partner is discussed, capture the sex of the partner that is most salient, given the context of the incident.

Reference: NVDRS 3.1.17 Sex of partner

2.13) Marital status

Variable: marital_status

Question type: Select only one.

Definition: Indicates the decedent's marital status.

Guidance: Marital status is regularly completed on the death certificate and often noted in law enforcement or medical examiner records.

Marital status should be completed for persons of all ages, including children.

If a source document describes a person as being in a common-law marriage or civil union according to the laws of that state, code this as "Married/Civil Union/Domestic Partnership."

If a source document describes a person as being in a committed relationship with someone of the same sex, code this as "Married/Civil Union/Domestic Partnership." Domestic partnership is

defined as a committed intimate relationship between two adults of either the same or opposite sex, in which the partners are each other's sole partner, intend to remain so indefinitely, maintain a common residence and intend to continue to do so, are not married or joined in a civil union or domestic partnership to anyone else, and are not related in a way that would prohibit legal marriage in the U.S. jurisdiction in which the partnership was formed.

Use the "Single, not otherwise specified" option when this term is used in CME records and it is not clear whether the person was never married, widowed, divorced, or separated.

In an incident in which a person kills his or her spouse or partner, marital status should be coded as "Married/Civil Union/Domestic Partnership," not "Widowed." Use "Widowed" for a person of either sex whose spouse has died before the overdose death.

Reference: NVDRS 3.1.15 Marital status

2.14) Sexual orientation

Variable: sexual_orientation

Question type: Select only one.

Definition: Indicates the decedent's sexual orientation, which includes heterosexual, gay, lesbian, or bisexual.

Guidance: Sexual orientation is a multicomponent construct that is commonly measured in three ways: attraction (e.g., the sex of a person one is sexually attracted to), behavior (e.g., ask respondents to report on the sex of people with whom they had willing sexual experiences), and self-identification (e.g., How would you describe your sexual orientation?).

This variable captures whether the decedent self-identified as heterosexual, gay, lesbian, or bisexual based on interviews of friends, family, or acquaintances. Code this variable only if the information is reported in the LE or CME report. Sexual orientation should not be inferred from marital status. If the information is not explicitly reported, select "unknown." Currently, this information is usually not collected systematically; consequently, this variable will likely detect only decedents who were gay, lesbian, or bisexual according to friends, families, or acquaintances. Definitive information on sexual orientation may be unavailable.

Reference: NVDRS 3.1.19 Sexual orientation

2.15) Race

Variable: race

Question type: Check all that apply.

Definition: Indicates the decedent's race.

Guidance:

- White: Person with origins among any of the original peoples of Europe, North Africa, or the Middle East
- Black or African American: Person with origins among any of the black racial groups of Africa
- Asian: Person with origins among any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent
- Native Hawaiian or other Pacific Islander: Person with origins among any of the original peoples of the Pacific Islands (includes Native Hawaiians)
- American Indian or Alaska Native: Person with origins among any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community recognition (includes Alaska Natives)
- Unspecified: If a person's ethnicity is provided in place of his or her race (e.g., race is given as "Hispanic" and no other valid race value is given), mark the person's race as "unspecified."
- For multiracial decedents, please check each race identified in source documents (e.g., if the decedent is identified as "white" and "Asian," please check "white" and "Asian"). If source documents indicate "Mulatto," check both "white" and "black." If "Asian/Pacific Islander" is indicated, check both "Asian" and "Pacific Islander." These standards were used by the U.S. Census Bureau in the 2000 decennial census.

Reference: NVDRS 3.1.13 Victim race variables

2.15a) Specify "Other"

Variable: race_othr

Question type: Text entry

Definition: Specifies other racial group.

Guidance: None

Reference: None

2.16) Verified tribal status

Variable: tribal_status

Question type: Select only one.

Definition: Indicates the decedent's verified tribal status. Verified tribal status is a legal status and needs to be confirmed with tribal agencies.

Guidance: If decedent has a known or verified tribal status, check “yes”. If decedent’s tribal status is unknown or no, check “no.”

Reference: None

2.16a) Specify tribe

Variable: tribal_status_so

Question type: Text entry

Definition: Specifies tribe of which decedent was a member.

Guidance: None

Reference: None

2.17) Hispanic/Latino/Spanish ethnicity

Variable: hispanic_ethnicity

Question type: Select only one.

Definition: Ethnicity is a concept used to differentiate population groups based on shared cultural characteristics or geographic origins. Decedents with Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin should be considered Hispanic or Latino, regardless of race.

Guidance: None

Reference: NVDRS 3.1.14 Hispanic/Latino/Spanish: Ethnicity

2.18) English speaker

Variable: english_language

Question type: Select only one.

Definition: Indicates whether the decedent spoke English and whether English was the decedent’s primary language.

Guidance: None

Reference: None

2.18a) Specify decedent’s primary language

Variable: English_language_sp

Question type: Text entry

Definition: Specifies decedent's primary language

Guidance: None

2.19) Known service in the U.S. armed forces

Variable: military

Question type: Select only one.

Definition: Indicates whether the decedent ever served in the U.S. armed forces (current of former military personnel).

Guidance: Military status is indicated on the death certificate in the section captioned "Ever a member of U.S. Armed Forces†." If a state's death certificate has the variant wording "If U.S. war veteran, specify war," a blank or missing response should be coded "no."

Reference: NVDRS 3.1.20 Current or former military personnel

2.20) Usual occupation

Variable: occupation_text

Question type: Text entry

Definition: Indicates the decedent's usual occupation as recorded on the death certificate.

Guidance: Most states' registries of vital records encode the decedent's usual occupation and industry on the death certificate. Usual occupation/industry is not necessarily the decedent's current occupation/industry. Provide information exactly as it appears in the death certificate data. Sites should NOT code the information themselves, since industry and occupation coding require special training.

The codes "999" for occupation and "090" for industry are assigned by the Occupation and Industry coder to indicate "blank, unknown, or not available." These codes should be used only if they appear in the death certificate data.

If the text descriptor is recorded on the death certificate and a numeric code is not provided, report only the text information and use the code "080" to indicate that the actual code is unavailable.

If the death certificate is blank (e.g., both code and text information is blank or missing), use the code "080" to indicate unavailable and use the text field to indicate "blank, unknown, or not available."

Reference: NVDRS 3.2.4.4

2.21) Occupation status at time of death

Variable: current_occupation

Question type: Select only one.

Definition: Indicates the decedent's occupation at the time of death.

Guidance: Occupation is an indicator of socioeconomic status. Certain occupations may also be associated with the occurrence of overdose deaths.

Report the current occupation in a text field exactly as it appears in one of the required data sources.

If the decedent is not employed, select from the options listed.

• People who work 17.5 hours or more per week are considered employed; people who work less than that are not.

• For decedents under the age of 14, the current occupation should be listed as "N/A" unless the CME report lists an occupation.

The information can later be coded at the national level using Standard Occupational Classifications. Note that "current occupation" is different from "usual occupation," which is recorded on the death certificate.

Reference: NVDRS 3.2.5 (modified)

2.21a) Specify decedent's current occupation

Variable: occupation_sp

Definition: Specifies the decedent's current occupation.

Guidance: None

Reference: None

2.22) Highest education obtained

Variable: education_level

Question type: Select only one.

Definition: Indicates the decedent's educational level as measured by the highest degree attained.

Guidance: The options for the "Education" variables are those on the 2003 death certificate. Since not all states may have moved to the new format, the pre-2003 education format is provided in the "Number years education" variable. Only one of the two (either Education Level OR Education Years) must be completed.

- Vocational and trade school should be coded as "High school graduate."
- For young children who are not in school, code as "0" or 8th grade or less

Reference: NVDRS 3.2.7 Education by degree

2.23) Known disability at time of overdose incident

Variable: disability_status

Question type: Check all that apply.

Definition: Indicates what type of disability the decedent had at the time of the overdose.

Guidance:

- None (0)—Decedent was not known to have a disability
- Yes, Unknown type of disability (1)—Decedent had a disability of unknown type
- Yes, Physical disability (2)—Decedent's disability was physical (e.g., paraplegia, cerebral palsy)
- Yes, Developmental disability (3)—Decedent's disability was developmental (e.g., mental retardation)
- Yes, Sensory disability (4)—Decedent's disability was sensory (e.g., blindness, deafness)

Reference: NVDRS 10.9 Disability variables

2.24) Did the decedent have any children, under the age of 18, at the time of the overdose incident?

Variable: children

Question type: Select only one.

Definition: Indicates whether the decedent had any minor children.

Guidance: If the decedent is known to be the parent or guardian of any children under age 18, select "yes." If it is known that the decedent does not have children under age 18, select "no." If it is unknown, select "unknown."

Reference: None

3. Cause of Death

3.1) Enter ICD-10 code for cause of death

Variable: cause_death

Question type: Text entry

Definition: Indicates the final ICD-10 code.

Guidance: Enter the final ICD-10 code assigned by the National Center for Health Statistics if available. (Part 1 of death certificate)

The text that the death certifier supplies on the death certificate regarding the causes of death can be used to identify reportable cases in a timely manner.

Reference: Death certificate

3.2) Immediate cause of death (Part 1a)

Variable: death_cause_1

Question type: Text entry

Definition: Indicates the immediate cause of death (text from death certificate): the final disease, injury, or complication directly causing death.

Guidance: The text that the death certifier supplies on the death certificate regarding the causes of death can be used to identify reportable cases in a timely manner. (Part 1a of the death certificate)

- Enter the text exactly as it appears on the death certificate.
- The letters in the variable names correspond to the lettered lines appearing on the death certificate.
- While coded data that captures the underlying cause of death using ICD-10 codes is an efficient means of identifying confirmed cases, these data will not be available in some states for many months. Consequently, this text information may help in identifying cases.

As defined by the Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (NCHS), Instructions for Completing the Cause-of-Death Section of the Death Certificate. Source: http://www.cdc.gov/nchs/data/dvs/blue_form.pdf. Causes of death are typically listed from top to bottom in the order seen here, with immediate cause of death listed first.

Reference: NVDRS 4.5.2 Cause of death variables.

3.3) Condition listed in b

Variable: death_cause_2

Question type: Text entry

Definition: Indicates the cause leading to the immediate cause of death (text from death certificate): next sequential cause of death, if any, leading to the immediate cause of death.

Guidance: The text that the death certifier supplies on the death certificate regarding the causes of death can be used to identify reportable cases in a timely manner. (Part 1b of the death certificate)

- Enter the text exactly as it appears on the death certificate.
- The letters in the variable names correspond to the lettered lines appearing on the death certificate.
- While coded data that captures the underlying cause of death using ICD-10 codes is an efficient means of identifying confirmed cases, these data will not be available in some states for many months. Consequently, this text information may help in identifying cases.

As defined by the Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (CDC NCHS), Instructions for Completing the Cause-of-Death Section of the Death Certificate. Source: http://www.cdc.gov/nchs/data/dvs/blue_form.pdf. Causes of death are typically listed from top to bottom in the order seen here, with immediate cause of death listed first.

Reference: NVDRS 4.5.2 Cause of death variables.

3.4) Condition listed in c

Variable: death_cause_3

Question type: Text entry

Definition: Indicates the cause leading to the immediate cause of death (text from death certificate): next sequential cause of death, if any, leading to the immediate cause of death.

Guidance: The text that the death certifier supplies on the death certificate regarding the causes of death can be used to identify reportable cases in a timely manner. (Part 1c of the death certificate)

- Enter the text exactly as it appears on the death certificate.
- The letters in the variable names correspond to the lettered lines appearing on the death certificate.

- While coded data that captures the underlying cause of death using ICD-10 codes is an efficient means of identifying confirmed cases, these data will not be available in some states for many months. Consequently, this text information may help in identifying cases.

As defined by the Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (CDC NCHS), Instructions for Completing the Cause-of-Death Section of the Death Certificate. Source: http://www.cdc.gov/nchs/data/dvs/blue_form.pdf. Causes of death are typically listed from top to bottom in the order seen here, with immediate cause of death listed first.

Reference: NVDRS 4.5.2 Cause of death variables.

3.5) Condition listed in d

Variable: death_cause_4

Question type: Text entry

Definition: Indicates the cause leading to the immediate cause of death (text from death certificate): next sequential cause of death, if any, leading to the immediate cause of death.

Guidance: The text that the death certifier supplies on the death certificate regarding the causes of death can be used to identify reportable cases in a timely manner. (Part 1d of the death certificate)

- Enter the text exactly as it appears on the death certificate.
- The letters in the variable names correspond to the lettered lines appearing on the death certificate.
- While coded data that captures the underlying cause of death using ICD-10 codes is an efficient means of identifying confirmed cases, these data will not be available in some states for many months. Consequently, this text information may help in identifying cases.

As defined by the Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (CDC NCHS), Instructions for Completing the Cause-of-Death Section of the Death Certificate. Source: http://www.cdc.gov/nchs/data/dvs/blue_form.pdf. Causes of death are typically listed from top to bottom in the order seen here, with immediate cause of death listed first.

Reference: NVDRS 4.5.2 Cause of death variables.

3.6) Enter other significant conditions contributing to death but not resulting in underlying cause listed in Part 1 (Part 2 of death certificate)

Variable: significant_conditions

Question type: Text entry

Definition: Indicates other significant conditions contributing to the death but not resulting in underlying cause in Part 1, yet included in Part 2 of the death certificate.

Guidance: The text that the death certifier supplies on Part 2 of the death certificate regarding the causes of death can be used to identify reportable cases in a timely manner. (Part 2 of the death certificate)

- Enter the text exactly as it appears on the death certificate.
- While coded data that captures the underlying cause of death using ICD-10 codes is an efficient means of identifying confirmed cases, these data will not be available in some states for many months. Consequently, this text information may help in identifying cases.

As defined by the Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (CDC NCHS), Instructions for Completing the Cause-of-Death Section of the Death Certificate. Source: http://www.cdc.gov/nchs/data/dvs/blue_form.pdf. Causes of death are typically listed from top to bottom in the order seen here, with immediate cause of death listed first.

Reference: NVDRS 4.5.2 Cause of death variables.

3.7) Describe how the injury [overdose] occurred (Part 2 of death certificate)

Variable: how_overdose

Question type: Text entry

Definition: The text that the death certified supplies on Part 2 of the death certificate regarding how the injury [overdose] occurred.

Guidance: The text that the death certifier supplies on the death certificate regarding the causes of death can be used to identify reportable cases in a timely manner. (Part 2 of the death certificate)

- Enter the text exactly as it appears on the death certificate.
- The letters in the variable names correspond to the lettered lines appearing on the death certificate.
- While coded data that captures the underlying cause of death using ICD-10 codes is an efficient means of identifying confirmed cases, these data will not be available in some states for many months. Consequently, this text information may help in identifying cases.

As defined by the Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (CDC NCHS), Instructions for Completing the Cause-of-Death Section of the Death

Certificate. Source: http://www.cdc.gov/nchs/data/dvs/blue_form.pdf. Causes of death are typically listed from top to bottom in the order seen here, with immediate cause of death listed first.

Reference: NVDRS 4.5.2 Cause of death variables.

3.8) Manner of death (Part 2 of death certificate)

Variable: death_manner

Question type: Select only one.

Definition: Indicates the manner of death. The manner of death is a broad classification of the cause of death as natural, accidental, suicide, homicide, pending investigation, or not determined. Manner is determined by the coroner or medical examiner and, when considered in conjunction with the narrative cause of death statements on the death certificate, is the basis for how the official underlying cause of death is coded in vital statistics data.

Guidance: Data describing the manner of death are useful for public health surveillance, health care planning and administration, clinical and health services, and epidemiologic research. (Part 2 of the death certificate)

- Record the manner of death exactly as it appears on the death certificate and CME report.
- If a manner is noted as "pending investigation," check back on the case later to update the manner. "Pending" is considered a temporary designation.
- Since states' death certificates may have a state-added code to indicate "legal intervention" as the manner of death, code "legal intervention" only if it is presented on the death certificate (the abstractor-assigned type of death variable can capture legal intervention deaths that are not coded on the death certificate in that fashion).

Reference: NVDRS 4.1 Manner of death variable.

4. Scene of Overdose and Death

4.1) Location of overdose incident

Variable: overdose_location

Question type: Select only one.

Definition: Indicates the type of place at which the overdose occurred.

Guidance: Data on the type of place at which an injury occurred help to describe the injury-producing event and are valuable for planning and evaluating prevention programs.

- Decedent's residence: Fatal overdose occurred at decedent's own residence. This includes the area immediately surrounding the home such as the yard and garage, but not in a vehicle.
- Relative's residence: Fatal overdose occurred at a relative's home or the area immediately surrounding it. This category includes cases where the decedent was temporarily residing with the relative, but not in a vehicle.
- Friend/acquaintance's residence: Fatal overdose occurred at a friend's home or in the area immediately surrounding it. This category includes cases in which the decedent was temporarily residing with the friend/acquaintance, but not in a vehicle.
- Street/road/sidewalk/alley (not in vehicle): Fatal overdose occurred on a sidewalk or on a roadway, street, or highway, but not in a vehicle.
- Motor vehicle: Fatal overdose occurred in a vehicle, regardless of the vehicle's location.
- Hotel or motel: Fatal overdose occurred at hotel or motel.
- Residential living facility: This includes temporary and transitional housing, crisis shelters, domestic violence shelters, and sober-living homes.
- Jail, prison, or detention facility: Fatal overdose occurred at a jail, prison, or other detention center.
- Park, playground, or public use area: Fatal overdose occurred in an area used for public recreation such as a park or public walking trail, but not in a vehicle.
- School: Fatal overdose occurred at a public or private educational institution.
- Other: Fatal overdose occurred at a commercial establishment not otherwise listed on this form such as a restaurant, laundromat, or bowling alley.

Reference: None

4.1a) Specify "Other"

Variable: overdose_location_othr

Question type: Text entry

Definition: Specifies the other type of overdose location.

Guidance: None

Reference: None

4.2) State of overdose incident

Variable: overdose_state

Question type: Select only one.

Definition: Indicates the state in which the overdose occurred.

Guidance: None

Reference: None

4.3) County of overdose

Variable: overdose_county_*xx*

Question type: Select only one.

Definition: Indicates the county (or county equivalent) in which the overdose occurred.

Guidance: See Appendix B.

Reference: None

4.4) City of overdose

Variable: overdose_city

Question type: Text entry

Definition: Indicates the city in which overdose occurred for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Guidance: None

Reference: None

4.5) ZIP code of overdose incident

Variable: overdose_zip

Question type: Text entry

Definition: Indicates the postal ZIP code in which the overdose occurred for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Guidance: None

Reference: None

4.6) Street address of overdose incident

Variable: overdose_address

Question type: Text entry

Definition: Indicates street address where the overdose occurred for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Guidance: None

Reference: None

4.7) Did the location of the overdose death differ from the overdose incident?

Variable: overdose_death_location

Question type: Select only one.

Definition: Confirms whether location of overdose incident and death are the same or different.

Guidance: None

Reference: None

4.7a) Location of death

Variable: death_location

Question type: Select only one.

Definition: Type of place at which the death occurred.

Guidance: Data on the type of place at which the death occurred:

- Decedent's residence: Fatal overdose occurred at decedent's own residence. This includes the area immediately surrounding the home, such as the yard or garage, but not in a vehicle.
- Relative's residence: Fatal overdose occurred at relative's home or the area immediately surrounding it. This category includes cases where the decedent was temporarily residing with the relative, but not in a vehicle.
- Friend/acquaintance's residence: Fatal overdose occurred at a friend's home or the area immediately surrounding it. This category includes cases where the decedent is temporarily residing with the friend/acquaintance, but not in a vehicle.
- Street/road/sidewalk/alley (not in vehicle): Fatal overdose occurred on a sidewalk or on a roadway, street, or highway, but not in a vehicle.
- Motor vehicle: Fatal overdose occurred in a vehicle, regardless of the vehicle's location.
- Hotel or motel: Fatal overdose occurred at a hotel or motel. • Residential living facility: This includes temporary and transitional housing, crisis shelters, domestic violence shelters, and sober-living homes.
- Jail, prison, or detention facility: Fatal overdose occurred at a jail, prison, or other detention center.

- Park, playground, or public use area: Fatal overdose occurred in an area used for public recreation such as a park or public walking trail, but not in a vehicle. • School: Fatal overdose occurred at a public or private educational institution.
- Other: Fatal overdose occurred at a commercial establishment not otherwise listed on this form, such as a restaurant, laundromat, or bowling alley.

Reference: None

4.7b) Specify "Other"

Variable: death_location_othr

Question type: Text entry

Definition: Specifies other type of location where death occurred.

Guidance: None

Reference: None

4.7c) State of overdose death

Variable: death_state

Question type: Select only one.

Definition: Indicates the state in which the death occurred.

Guidance: Identifies the state in which the death certificate was filed. This variable will be used to facilitate data sharing across states when state of injury and state of death differ.

- State of death will usually be the same as state of injury; however, on occasion, the two will differ. For instance, a decedent who is injured in one state may be transported to another state for emergency medical care.
- If the state of death is unknown, enter the state in which the person was pronounced dead (i.e., the state that issued the death certificate).
- If the person was not pronounced dead in any U.S. state or territory, enter 88 for "Not applicable." This can still be an NVDRS case if the decedent was fatally injured within a participating NVDRS state.
- A death on an American Indian reservation should be coded as the state in which it is located or, if the reservation spans multiple states, based on state borders.

Reference: None

4.7d) County of death

Variable: death_county_*xx*

Question type: Select only one.

Definition: Indicates the county (or county equivalent) in which the death occurred.

Guidance: See Appendix B.

Reference: None

4.7e) City of death

Variable: death_city

Question type: Text entry

Definition: City in which the death occurred for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Guidance: None

Reference: None

4.7f) ZIP code of death

Variable: death_zip

Question Type: Text entry

Definition: Indicates the postal ZIP code in which the death occurred for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Guidance: None

Reference: None

4.7g) Street address of overdose death

Variable: death_address

Question type: Text entry

Definition: Indicates street address where the overdose occurred for tracking purposes of the OFR team, indicated in REDCap as an identifier.

Guidance: None

Reference: None

4.8) Date last known to be alive before overdose

Variable: last_alive_date

Question type: Text entry

Definition: Indicates the date the decedent was last seen or heard from alive before the onset of overdose signs/symptoms. For further Definition of what constitutes overdose signs/symptoms, please see variable overdose_date.

Guidance: This is the date that the decedent was last seen or heard from alive before the fatal overdose occurred. You must enter “MM” and “DD” as two-digit numbers (e.g., “06” for June, not “6”). Enter 09-09-9999 if exact date is unknown.

Reference: SUDORS 4.1.d Date Last Seen Alive

4.8a) If exact date is not known, enter the approximate date decedent was last known to be alive before overdose

Variable: last_alive_date_app

Question type: Text entry

Definition: Approximate date decedent was last known to be alive before overdose.

Guidance: Enter the approximate date (e.g., June 2020).

Reference: None

4.9) Date of overdose incident

Variable: overdose_date

Definition: Indicates the date of the overdose leading to death.

Guidance: You must enter “MM” and “DD” as two-digit numbers (e.g., “06” for June, not “6”). Enter 09-09-9999 if exact date is unknown.

Overdose date refers to the onset of overdose or the manifestation of overdose symptoms, such as the decedent becoming unresponsive to stimulation or becoming unconscious, not the use of a substance.

The onset of overdose and substance use may often coincide, especially in the case of rapid overdose onset. Focusing on circumstances surrounding onset of overdose provides critical information about response.

When coding the time and date of injury, use the time and date that the overdose occurred (i.e., when the signs/symptoms of the overdose started). If it is unknown when the overdose started, use the following guidance:

- Time and date of injury are often listed on the death certificate and can be used as listed in the absence of other information. If there is information in the CME report, however, indicating that the date and/or time of injury differs from that given on the death certificate, the information from the report can be used in place of that from the death certificate. If the CME report indicates that there is uncertainty about the date and/or time of injury, this information should be incorporated into what is entered, even if the death certificate states specific date/time. For example, if the death certificate lists January 1 at 9:00 a.m. as the date and time of injury, but the CME report indicates that the decedent was last known alive on December 25 and discovered obviously deceased at 9:00 a.m. on January 1, it can be assumed that the overdose did not actually occur at 9:00 a.m. on January 1. In this instance, date of injury should be entered as 09-09-9999 to indicate that it could have happened any time between December 25 and January 1 (and, as such, all parts of the date are unknown, since that period includes two different calendar years).
- For cases in which the decedent went to sleep with no signs of overdose, enter the date the decedent went to sleep as the date of injury.
- In some cases, estimates may be provided about how long before the overdose death the overdose was recognized. In these cases, estimate the date of injury. For instance, a report may indicate that 9-1-1 was called three hours before the decedent died in the hospital at 3:00 p.m. on 10/1/2016. Calculate the time and date of injury by subtracting three hours from the date and time of the death.
- If a decedent was discovered unresponsive less than or equal to one hour after being last known alive, the time last known alive can be used as the time of injury

Reference: NVDRS 4.3.2.1 date of Injury and SUDORS 5.2a Date of Injury

4.9a) If exact date is not known, enter the approximate date of overdose incident

Variable: overdose_date_app

Question type: Text entry

Definition: Approximate date of overdose incident.

Guidance: Enter the approximate date (e.g., June 2020).

Reference: None

4.10) Date of death

Variable: death_date

Question type: Text entry

Definition: Indicates the date of the overdose death.

Guidance: You must enter “MM” and “DD” as two-digit numbers (e.g., “06” for June, not “6”).

4.10a) If exact date is not known, enter the approximate date of death

Variable: death_date_app

Question type: Text entry

Definition: Approximate date of death.

Guidance: Enter the approximate date (e.g., June 2020).

Reference: None

5. Drugs at the Scene of Death

5.1) How was/were the drug(s) administered?

Variable: administration_route

Question type: Check all that apply.

Definition: Indicates how the decedent may have administered the substance leading to the overdose death.

This section captures scene and witness evidence describing how the decedent may have administered substances leading up to the fatal overdose, including substances that were and were not indicated as contributing to death.

More than one route of administration can be endorsed if evidence is found at the scene (e.g., smoked crack and injected heroin) or mentioned by witnesses.

Because it can be difficult to link specific substances to the specific routes of administration (e.g., injection, sniffing/snorting, or ingestion), abstractors are asked only to indicate a route of administration if there were any witness reports, overdose scene evidence, or autopsy evidence supporting a particular route of administration (e.g., recent track marks would indicate injection). Physical symptoms alone should not be used as evidence of a specific route of administration (e.g., pulmonary edema would not on its own be evidence of snorting/sniffing; signs that the decedent had vomited would not imply ingestion); however, physical evidence from an autopsy or other report indicating recent track marks could be used to support evidence of injection. If there is evidence to link a specific route of administration to a specific substance, it should be included in the narrative; e.g., if the report indicates that the decedent

had injected heroin and also ingested alprazolam, Evidence of injection and evidence of ingestion should both be selected, and the narrative should include the information about which substance went with which route.

Guidance:

- No information on route of administration: There was no witness, death scene, or autopsy evidence that indicated the route of administration.
- Evidence of buccal: Witness, death scene, or autopsy evidence suggests that substance(s) used leading up to the fatal overdose were administered buccally. Buccal administration operates by dissolving the medication between the gums and the cheek. Evidence of buccal administration includes witness reports or the discovery of pieces of patches or other medication between the gums and the cheek.
- Evidence of freebasing: Witness, death scene, or autopsy evidence suggests that substance(s) used leading up to the fatal overdose were administered by freebasing or providing a heat source to the substance and inhaling.
- Evidence of ingestion: Witness, death scene, or autopsy evidence suggests that substance(s) used leading up to the fatal overdose were taken orally in pill, tablet, or liquid form. Evidence of ingestion includes witness reports of taking pills or tablets orally or ingesting liquid orally (e.g., liquid methadone) or the discovery of prescription pills, prescription bottles, liquid substance(s), or vials for containing liquid substances at the scene of the overdose or on the decedent's body.
- Evidence of injection: Witness, death scene, or autopsy evidence suggests that the decedent injected substance(s) leading up to the fatal overdose. Evidence of injection includes witness reports of injecting, documentation of items used to prepare and inject substances found at the scene (e.g., needles, cookers, filters, tourniquets, alcohol pads), and/or track marks found on decedent that appear to be recent.
    - Track marks often present as dark scars/pigmentation marks that follow the track of veins. Fresh tracks are identified as unhealed puncture wounds. Usually found on forearms and hands but often on neck, groin, legs, feet, and other parts of the body.
    - Tying tourniquets around arms or legs facilitates injection of drugs by causing veins to bulge out from restricted blood flow. Popular tourniquets used to facilitate injection include belts and large elastic bands (similar to those used in hospitals).
    - Objects may be used to dissolve (i.e., cook up) powdered and solid drugs to prepare for injection. Spoons, bottle tops, and crushed soda cans are the most popular items used to "cook" substances.
    - A syringe, a hollow needle, or another apparatus facilitates putting fluid into the body, piercing the skin to sufficient depth for the fluid to be administered.
    - Materials may be used to remove particulate matter and other foreign objects from a substance solution before it is injected. Filters commonly used before injecting illicit substances include cotton balls, cotton swabs, and cigarette filters.

    - A witness reports that the decedent injected substance(s) leading up to the fatal overdose.
- Evidence of smoking: Witness, death scene, or autopsy evidence suggests that the decedent smoked substance(s) leading up to the fatal overdose. Evidence of smoking includes witness reports of smoking and drug paraphernalia at the scene of the overdose associated with smoking, such as pipes, stems, tinfoil, and vape pens. Matches, disposable lighters, and gas torches are also indications of smoking.
- Evidence of snorting/sniffing: Witness, death scene, or autopsy evidence suggests that the decedent snorted or sniffed substance(s) leading up to the fatal overdose. Evidence of snorting or sniffing includes witness reports of snorting or sniffing; drug paraphernalia at the overdose scene associated with snorting or sniffing, such as razor blades or credit cards used to chop and separate powder; straws, rolled paper or dollar bills, or tubes for nasal inhalation; powder visible on a table/mirror; or powder on the decedent's nose.
- Evidence of sublingual: Witness, death scene, or autopsy evidence suggests that substance(s) used leading up to the fatal overdose were administered sublingually. Sublingual administration involves placing a medication such as pills or lozenges under the tongue to be dissolved. Evidence of sublingual administration includes witness reports or the discovery of lozenges or pills under the decedent's tongue or in the decedent's mouth as well as finding prescription bottles at the drug overdose scene that contain medications administered sublingually.
- Evidence of suppository: Witness, death scene, or autopsy evidence suggests that substance(s) used leading up to the fatal overdose were delivered through a suppository. A suppository is a medication that is often cylindrical in shape and less than one inch in length. A suppository is designed to be inserted into the rectum or vagina, where it dissolves. Evidence of suppository use includes witness reports or the discovery of suppositories at the overdose scene or on the decedent's body.
- Evidence of transdermal: Witness, death scene, or autopsy evidence suggests that substance(s) used leading up to the fatal overdose were absorbed through the decedent's skin. Evidence of transdermal administration includes witness reports of the use of transdermal patches or the discovery of transdermal patches on the body of the decedent or at the scene of the overdose.
- Evidence of vaping/vaporizing: Witness, death scene, or autopsy evidence suggests that substance(s) used leading up to the fatal overdose were administered via vaping or vaporizing device or method.

Reference: SUDORS 4.3.h to 4.3.p Route of Administration (modified to add vaping/vaporizing definition and freebasing)

5.2) What types of substance(s) were known to be found on the scene?

Variable: scene_substances

Question type: Check all that apply.

Definition: Indicates whether the CME death investigation found evidence of prescription or illicit drugs at the scene of the overdose or drugs were reported by witnesses.

Guidance: This information is critical to understanding the extent to which illicit and prescription drugs contribute to opioid overdose deaths. Toxicology findings on tests of the decedent's body, such as tests for blood and urine, should not be considered when coding items in this subsection. Examples of evidence for each substance are shown below.

Evidence of prescription drugs:

- Examples of evidence that should be checked include the following:
    - A witness reports that the decedent was using prescription drugs before overdose onset.
    - Investigation-tested pills or other drugs found at the scene of the overdose and the forensic findings are consistent with prescription drugs.
    - Prescription pills or pill bottles were found at the overdose scene or on the decedent's body. These include prescription drugs prescribed and not prescribed for the decedent.
    - Other forms of prescription drugs were found at the scene of the overdose, such as patches, vials, or liquid medicines (either prescribed for the decedent or not).
    - Witness or prescription drug monitoring data indicate that the decedent was taking a prescription drug, which was found at the scene.
    - Prescription drugs were found in medicine cabinets, drawers, or pill containers, and other evidence such as witness reports indicate that the decedent was taking the drugs before the overdose.
- Examples of evidence that should not be coded include the following:
    - Do not code based on toxicology tests performed on the decedent's body, such as tests for blood and urine.
    - Do not code if prescription drugs were found in medicine cabinets, drawers, or pill containers and there was no other evidence that the decedent had taken the drugs before the overdose. Since the scene of the overdose can be interpreted broadly, if there is any question about whether to include evidence of prescription drugs found, err on the side of inclusion. Please contact the opioid surveillance help desk and/or your state support team for additional guidance.
- Prescription for decedent: There is evidence that prescription drugs were used leading up to the fatal overdose and that the drugs were prescribed to the decedent.
    - Prescription bottles found at the scene of the overdose have labels indicating that the drug was prescribed to the decedent.
    - Prescription Drug Monitoring Program (PDMP) data indicates that prescription drugs prescribed to the decedent were consistent with drugs found at the scene.
    - Witnesses report that the drugs were prescribed to the decedent.
    - The physician or authorized prescriber confirms that the prescription drugs found at the scene were prescribed to the decedent.

- Diverted prescription: There is evidence that prescription drugs were used leading up to the fatal overdose and that the drugs were not prescribed to the decedent.
    - Prescription bottles found at the scene of the overdose have labels indicating that the drug was prescribed to a person other than the decedent.
    - Prescription drug monitoring program data indicates that the prescriptions drugs found at the scene did not match the drugs prescribed to the decedent.
    - Witnesses report that the drugs were not prescribed to the decedent or were prescribed to them (i.e., to the witnesses).
    - Witnesses report that the decedent commonly purchased diverted prescription drugs from illegal sources and had no legitimate prescriptions.
- Prescription for undetermined individual: There is evidence that prescription drugs were used leading up to the fatal overdose, but there is no information on whether the drugs were prescribed to the decedent or diverted (i.e., prescribed to someone other than the decedent).
    - In some deaths, prescription drugs may be found at the scene, but there is insufficient evidence to determine whether the drugs were prescribed to the decedent or were diverted. For example, the prescription label is damaged or missing and the name cannot be determined. In this case, check the box associated with this variable.
- Over-the-counter medications: There is evidence that over-the-counter medications were used leading up the fatal overdose.
    - Over-the-counter bottles found at the scene of the death and there is evidence the decedent was taking the drugs before the overdose, such as witness reports, recent receipt and empty bottles, etc.

Evidence for illicit substances:

- Crystal: Check the box associated with this variable if a crystal substance is found at the scene of the fatal overdose or on the decedent's body. Crystal meth is often found in a crystalline form and is usually white or slightly yellow. Crystal meth can come in large rock-like chunks. Other drugs can also come in crystal or rock form. Findings from toxicology tests of the decedent's body, such as tests for blood and urine, should not be considered when coding this variable. For instance, do not check the box associated with this variable solely on the basis of methamphetamines found in the blood of the decedent.
- Illicit pills: Pills or tablets that strongly resemble prescription pills may be revealed by appearance or forensic chemistry to be counterfeit copies not produced by pharmaceutical companies. Check the box associated with this variable if there is evidence that pills found at the scene were counterfeit. Pills and tablets that closely resemble prescription pills and tablets are sometimes illegally manufactured and distributed erroneously as diverted prescription pills. These counterfeit pills contain a variety of substances. In 2016, the Drug Enforcement Administration and the CDC released alerts about widespread distribution of counterfeit prescription pills containing fentanyl.

- Packaging: Packaging associated with illicit substances can be an indication that illicit substances were used. Common illicit drug packaging includes glassine or corner-cut Baggies, often used for illicit substances in powder form. Check the box associated with this variable if the CME report mentions packaging found at the scene that is consistent with illicit substances. Mention of nonspecific "drug paraphernalia" could be used to code this variable if there is some indication that the paraphernalia was for illicit substances.
- Powder: Illicit substances, such as heroin, illicitly manufactured fentanyl, and cocaine, often come in powder form. Check the box associated with this variable if powders are found at the scene of the fatal overdose or on the decedent's body. Powders found at the scene of the overdose are consistent with illicit substance use. For instance, powdered cocaine often looks like a white powder, while powdered heroin can be white, tannish, or brown. If powder is mentioned and no information is available on whether the substance was tested and confirmed to be an illicit substance, check the box associated with this variable. Findings from toxicology tests of the decedent's body, such as tests for blood and urine, should not be considered when coding this variable. For instance, do not check the box associated with this variable if cocaine is found in the blood of the decedent, unless scene evidence of powder is available
- Tar: One form of heroin, called "black tar," has a tar-like appearance. Check the box associated with this variable if a substance with a tar-like appearance and consistency is found at the scene of the fatal overdose or on the decedent's body. Black tar heroin is commonly sold west of the Mississippi and often looks like melted tar or a resinous substance that can range in color from dark brown to black. Findings from toxicology tests of the decedent's body, such as tests for blood and urine, should not be considered when coding this variable. For instance, do not check the box associated with this variable if heroin is found in the blood of the decedent, unless scene evidence of tar is available.
- Findings from toxicology tests of the decedent's body, such as tests for blood and urine, should not be considered when coding this variable.
- Check the box associated with this variable only when the CME report confirms that prescription pills found at the scene are counterfeit. This conclusion will most likely require the CME or law enforcement to conduct forensic tests on the prescription drugs (often, these tests will not be available, and/or it may not be possible for results to be linked to the decedent) or results may be revealed by deviations between the design and labeling of the counterfeit pill and the prescription pill.
- Other: There is evidence of illicit substances found at the scene of the overdose or on the decedent's body for any form of substance or other evidence that is not captured by categories. If the box associated with this variable is checked, please briefly describe the evidence in the text box located underneath the variable. Findings from toxicology tests of the decedent's body, such as tests for blood and urine, should not be considered when coding this variable. For instance, do not check the box based solely on the heroin found in the blood of the decedent.
- None: Check if there were no substances known to be at the scene.

Reference: SUDORS 4.3q to 4.3r: Illicit or Prescription Drugs

5.2a) Specify "Other" substance(s)

Variable: scene_substances_othr

Question type: Text entry

Definition: Specifies other substances found at the scene.

Guidance: None

Reference: None

5.2b) What over-the-counter medications were noted at the scene?

Variable: substance_otc

Question type: Check all that apply.

Definition: Indicates the type(s) of over-the-counter medication(s) identified at the scene.

Guidance: None

Reference: None

5.2c) Specify "Other" over-the counter medication(s)

Variable: substance_otc_otr

Question type: Text entry

Definition: Specifies other over-the-counter medication(s).

Guidance: None

Reference: None

6. Death Investigation and Toxicology Information

6.1) Was an autopsy performed?

Variable: autopsy

Question type: Select only one.

Definition: Indicates whether an autopsy was performed on the decedent.

Guidance: Decedents who have been autopsied are likely to have more reliable cause-of-death codes and pregnancy findings. A yes/no item appears on the death certificate to indicate whether an autopsy was performed. Autopsies are not performed on every case that comes to the attention of a CME. A visual-only autopsy (that is, the body was visually inspected but not physically examined) does not qualify as an autopsy here, but a partial autopsy including physical examination does.

Reference: NVDRS 4.5.8 Autopsy performed

6.1a) Why was an autopsy not performed?

Variable: autopsy_reason

Question type: Check all that apply.

Definition: Identifies reasons an autopsy may not have been done. This information will assist with making recommendations related to autopsies.

Guidance: None

Reference: None

6.1b) Specify "Other"

Variable: autopsy_reason_othr

Question type: Text entry

Definition: Specifies other reason autopsy was not performed.

Guidance: None

Reference: None

6.2) What specimens were collected for toxicology testing?

Variable: specimen_collected

Question type: Check all that apply.

Definition: Indicates which toxicology specimens were collected during the death investigation.

Guidance: None

Reference: None

6.3) Was toxicology testing performed?

Variable: toxicology

Question type: Select only one.

Definition: Indicates whether toxicology testing was performed and whether it was done at an accredited/certified laboratory.

Guidance: None

Reference: None

6.3a) Why was toxicology testing not performed?

Variable: toxicology_reason

Question type: Check all that apply.

Definition: Identifies reasons toxicology testing may not have been done. This will assist with making recommendations related to toxicology testing.

Guidance: None

Reference: None

6.3b) Specify "Other"

Variable: toxicology_reason_othr

Question type: Text entry

Definition: Specifies other reason toxicology testing was not performed.

Guidance: None

Reference: None

6.4) What kind of toxicology testing was done?

Variable: toxicology_tested

Question type: Select only one.

Definition: Indicates which substances were tested.

Guidance:

- Comprehensive: Refers to general preliminary screening and provides a complete confirmation of any and all substances detected.
- Targeted: Refers to a subset category or type of drugs that were tested.

Reference: None

6.4a) What kind of targeted toxicology testing was done?

Variable: toxicology_targeted

Question type: Check all that apply.

Definition: Indicates which substances were tested.

Guidance: None

Reference: None

6.4b) Specify "Other"

Variable: toxicology_targeted_othr

Question type: Text entry

Definition: Specifies other kind of targeted toxicology done.

Guidance: None

Reference: None

6.4c) What substances were reported present on the toxicology report?

Variable: toxicology_substances

Question type: Check all that apply.

Definition: Indicates which substances tested positive or present in the decedent.

Guidance: Possible substances associated with each substance listed:

- 4-ANPP: 4-anilino-N-phenethyl-4-piperidine. Also known as despropionylfentanyl. This is a precursor to fentanyl and a metabolite of fentanyl.
- Antidepressants: Examples include fluoxetine, bupropion, citalopram paroxetine, and sertraline.
- Antihistamines: Examples include chlorpheniramine, chlorcyclizine, diphenhydramine, hydroxyzine, and scopolamine.

- Antipsychotics: Examples include aripiprazole, haloperidol, loxapine, lurasidone, olanzapine, and quetiapine.
- Benzodiazepines: Examples include alprazolam, chlordiazepoxide, clonazepam, diazepam, lorazepam, midazolam, nitrazepam, nordiazepam, oxazepam, prazepam, temazepam, and triazolam.
- Cocaine: Includes cocaine metabolites: cocaethylene, benzoylecgonine, and ecgonine methyl ester.
- Fentanyl analogs: Examples include acetyl fentanyl, furanyl fentanyl, cyclopropyl fentanyl, valeryl fentanyl, carfentanil, remifentanil, and sufentanil.
- Inhalants: Examples include 1,1 difluoroethane, spray paints, paint thinners, and anesthetic gases.
- Muscle relaxers/antispasmodics: Examples include carisoprodol, meprobamate, cyclobenzaprine, metaxalone, tizanidine, and ropinirole.
- Nonsteroid anti-inflammatory: Examples include salycilates, ibuprofen, naproxen.
- Opioids: Examples include 6-Monoacetylmorphine (6-MAM), morphine, hydrocodone, oxycodone, and codeine.
- Other synthetic benzodiazepines: Examples include bromazepam, clonazolam, clobazam, and etizolam.
- Other synthetic opioids: Examples include tramadol, o-desmethyltramadol, U-47700, and AH-7921.
- Synthetic cathinones: Examples include MDPV, N-ethylcathinone.
- Tricyclic antidepressants: Examples include amitriptyline, desipramine, nortriptyline, and trazodone.
- Other volatiles: Examples include methanol, isopropanol, and acetone. Alcohol (ethanol) is listed as a separate category.

Reference: None

7. Interventions Following Overdose

7.1) Were there known witnesses of the drug use that resulted in the fatal overdose?

Variable: witness

Question type: Select only one.

Definition: Indicates whether a witness (a person aged 11 years or older) observed the decedent use the substance(s)/drug(s) that resulted in his/her overdose.

Guidance:

“Yes” should be selected for the following:

- A witness is physically with the decedent when he/she uses the drugs that cause the overdose.

- A person sees the decedent use the drugs that cause the overdose but leaves the decedent before symptoms of the overdose present.

"No" should be selected in following circumstances:

- A person joins the decedent immediately after the decedent used the drugs that caused the overdose and reports seeing the symptoms of the overdose as they present.
- A person is found days after the fatal overdose occurred, and evidence suggests that no one was at the scene of the overdose.
- A person knows that the decedent went to his or her room or the bathroom to use drugs but does not actually observe the decedent using drugs.
- The decedent contacts a friend just before he/she uses the drugs that resulted in the overdose. (emails, messages, texts, calls).
- Two decedents are both found deceased in the same location, absent any evidence that they observed each other's drug use.
- A child younger than 11 years witnessed the drug use.
- Limited information prevents entering yes, it is unknown.

Reference: SUDORS 4.4.b Drug use witnessed

7.2) Number of known bystanders present at the scene of the overdose

Variable: bystander

Question type: Select only one.

Definition: Bystander is a person, aged 11 years or older, who was physically nearby either during or shortly preceding an opioid overdose, who potentially had an opportunity to intervene and respond to the overdose.

Guidance: Understanding factors that prevented or slowed the response of bystanders to an overdose is critical to inform efforts to improve emergency responses to future opioid overdoses. The rapid progression of some fentanyl and heroin overdoses highlights the growing urgency of quickly responding to opioid overdoses. Since a bystander needs to be an individual with an opportunity to intervene, a minimum age cutoff of 11 years old is used. Below are some examples of situations that should be coded as bystander present or no bystander present. If there is not enough information to indicate whether a bystander was present or not, this variable can be coded as "5 Unknown if bystander present"; however, abstractors also can interpret what reflects the best possible evidence. For example, if it seems that the decedent overdosed in isolation, but the report does not specifically state that no bystander was present, it might make the most sense to code as "1 No bystanders present."

Bystander should be selected for the following examples:

- A person was at the location where the overdose occurred at the time of the overdose (prior to the onset of signs/symptoms) but may have been spatially separated from the

decedent. For instance, the decedent's family may have been in another room in the house when the decedent overdosed in his/her room or a bathroom. This would include a person asleep in the same room or another room of the house.
- A person observed the decedent during her overdose but did not see the decedent use drugs. For instance, a roommate noticed that the decedent had fallen asleep and was loudly snoring on the couch but did not know the decedent had used drugs and/or did not recognize that the decedent had overdosed.
- A person reported that the decedent was intoxicated or high and left the decedent before symptoms of the overdose manifested.
- A person physically observed the decedent using the drugs that resulted in the overdose.

Not considered bystander includes the following examples:

- The decedent electronically communicated (e.g., through emails, texts, calls) with a friend that he or she was about to use drugs.
- The decedent overdosed in a public place such as an alley but could not be seen by people.
- An individual meets all criteria for a bystander but is younger than 11 years old. In this case, it should be coded as "No bystander present."
- A person discovers the decedent already unconscious (e.g., a family member returns to the home and finds the decedent unresponsive but was not nearby when the overdose signs/symptoms began).
- A roommate finds the decedent in a state of decomposition in the decedent's bedroom and the roommate has been in and out of the house during the past few days
- Limited information prevents entering yes, it is unknown.

Unknown for cases in which you know there were bystanders, but the number is unknown.

Reference: SUDORS 4.4.a Bystander present (modifications related to number of responses, to align with the rest of the document's structure).

7.2a) Bystander(s) present: Type of bystander.

Variable: bystander_type

Question type: Check all that apply.

Definition: Indicates the type of bystander(s) present.

Guidance:

- Friend: The bystander present at the time of overdose was a friend or acquaintance of the decedent. If the decedent knew the bystander even casually, the box associated with this variable should be checked.

- Intimate partner: The bystander present at the time of overdose was a wife, husband, girlfriend, or boyfriend of the decedent. This category also includes ex-girlfriends, ex-boyfriends, ex-wives, and ex-husbands.
- Medical professional: The bystander present at the time of overdose was a medical professional.
- Other family: The bystander present at the time of overdose was a family member but not the decedent's intimate partner. For instance, the person could be the decedent's mother, father, brother, sister, aunt, uncle, cousin, son, daughter, or grandparent.
- Person using drugs: The bystander present at the time of overdose was a person who was using substance(s) with the decedent in the time leading up to the overdose.
- Roommate: The bystander present at the time of overdose lived with the decedent and was not an intimate partner or other family member.
- Stranger: The bystander present at the time of overdose was not someone known to the decedent.
- Other: The bystander present at the time of the overdose had another relationship with the decedent that is not captured by other responses. For instance, the person may have been a co-worker. If the box associated with this item is checked, please briefly describe the relationship in the text located underneath this variable.
- Unknown: Check this box if the relationship is unknown.

Reference: None

7.2b) Specify "Other"

Variable: bystander_type_othr

Question type: Text entry

Definition: Specifies other type of bystander.

Guidance: None

Reference: None

7.2c) Bystander response other than naloxone administration.

Variable: bystander_response

Question type: Check all that apply.

Definition: Indicates what the bystander did to intervene to prevent the overdose death.

Guidance:

- No response or call or call 9-1-1 after a significant delay: Check this variable if there is no evidence of any response by a bystander or layperson or a significant delayed response in calling 9-1-1.
- Call 9-1-1 immediately: Check this variable if there is evidence that a bystander or layperson called 9-1-1 for the decedent immediately at the onset of overdose symptoms. A bystander or other layperson called 9-1-1 after the decedent overdosed to obtain emergency medical services for the decedent.
- Cardiopulmonary resuscitation (CPR): Check this variable if there is evidence that a bystander or layperson performed CPR on the decedent after the onset of overdose symptoms. CPR is an emergency procedure that includes chest compressions and possibly ventilation (either mouth-to-mouth breathing or with the use of equipment) to maintain brain function until further treatment can be given and/or spontaneous circulation returns.
- Rescue breathing: Check this variable if there is evidence that a bystander or layperson performed rescue breathing on the decedent after the onset of overdose symptoms. Rescue breathing is an emergency procedure used to revive a person who has stopped breathing by forcing air into the lungs at regular intervals, either by exhaling into the decedent's mouth or nose or via a mask over the decedent's mouth.
- Sternal rub: Check this variable if there is evidence that a bystander or layperson performed a sternal rub on the decedent after the onset of overdose symptoms. One way to attempt to rouse an unconscious person is to use hard pressure to rub the sternum (middle of the chest/breastbone) with the knuckles. This is not an effective way to reverse an overdose but is often used as a way to wake a person who has nodded off because of the effects of opioids.
- Stimulation: Check this variable if there is evidence that a bystander or layperson attempted stimulation on the decedent after the onset of overdose symptoms. Similar to a sternal rub, external stimulation (e.g., rubbing the upper lip area, shaking the person, yelling at the person, or splashing cold water or ice on the person) is often done with the intent to wake a person with symptoms of overdose. This is not an effective way to reverse an overdose but is often used to wake a person who has nodded off because of the effects of opioids.
- Other: Check this variable if there is evidence that a bystander or layperson made some other response not covered by other responses for the decedent after the onset of overdose symptoms.

Reference: SUDORS 4.4.d Bystander Response Other than Naloxone Administration (modified No response option)

7.2d) Specify "Other"

Variable: bystander_response_othr

Question type: Text entry

Definition: Specifies other bystander response other than naloxone administration.

Guidance: None

Reference: None

7.2e) What are the reasons for no response or significant delay in calling 9-1-1?

Variable: no_response_reason

Question type: Check all that apply.

Definition: Indicates reasons the bystander did not respond or significantly delayed calling 9-1-1.

Guidance: Complete this variable if a bystander was present and did not respond to the overdose or call 9-1-1 at the onset of overdose symptoms.

- Abnormalities not recognized: Failure to recognize symptoms of an overdose can inhibit the ability of a bystander to respond to an overdose. Check this variable if there is evidence that a bystander was present but did not provide any response to the overdose because the signs/symptoms of the overdose were not recognized by the bystander. Bystander(s) present during or shortly before onset of overdose did not recognize any overdose symptoms exhibited by the decedent, so they did not know that they needed to provide a response to the overdose. Common symptoms of an opioid overdose include pinpoint, contracted pupils; loss of consciousness; slow, shallow, or erratic breathing; bluish skin, especially around the lips; limp body/muscles; choking or snore-like sounds; and slow, erratic, or nonexistent heartbeat. Often a person who has overdosed is thought to be asleep when the symptoms are not recognized.
- Abnormalities recognized, but not as overdose: Check this variable if there is evidence that a bystander was present but did not provide any response to the overdose because signs/symptoms of the overdose were not recognized by the bystander to indicate an overdose. Some abnormalities may not be recognized as signs/symptoms of opioid overdose, which would hinder the ability of a bystander to provide a response to an overdose. For example, someone who has become unconscious might be thought to be sleeping, or someone with agonal breathing might be thought to be snoring.
- Bystander using substances or impaired: Check this variable if there is evidence that a bystander was present but did not provide any response to the overdose because he or she was also using substances or drinking alcohol. If a bystander is also using substances or drinking alcohol, it may hinder his or her ability to recognize signs/symptoms of an overdose or to respond, even if the overdose is recognized. A bystander who is also using may additionally hesitate to respond (e.g., call 9-1-1) because of a fear of consequences.
- Bystander spatially separated (i.e., in a different room): Check the box associated with this variable if there is evidence that a bystander was present but did not provide any response to the overdose because the bystander was spatially separated from the decedent at the time of overdose. The definition of a bystander allows for inclusion of

individuals who were nearby during or shortly preceding an overdose even if they were not directly with the decedent at the onset of overdose. This would include individuals who were in a different room of the same house, or otherwise spatially separated from the person who overdosed, therefore hindering the ability to recognize that an overdose was occurring. It is likely that this variable will be endorsed along with "Unaware that decedent was using" in many cases.

- Bystander unaware that the decedent was using: Check this variable if there is evidence that a bystander was present but did not provide any response to the overdose because the bystander did not know the decedent was using substances. If bystanders do not know that someone is using substances, they might be less likely to notice signs/symptoms of overdose than if they were aware of the substance use, and they might be less vigilant in checking on the person using substances. It is likely that this variable will be endorsed along with others in this section, such as "Spatially separated" or "Did not recognize any abnormalities."
- Public space and strangers did not intervene: Check this variable if there is evidence that a bystander was present but did not provide any response to the overdose because the overdose occurred in a public space with strangers as the only bystanders.
- Other: Check this variable if there is evidence that a bystander was present but did not provide any response to the overdose for some reason other than those covered in this section.
- Unknown: Do not have any known reason for delay or no response.

Reference: SUDORS Subsection 4.4.I Reason(s) for Bystander No Response

7.2f) Specify "Other"

Variable: no_response_reason_othr

Question type: Text entry

Definition: Specified other reason for no response or significant delay in calling 9-1-1.

Reference: None

7.3) Was the emergency medical dispatching (EMD) protocol performed?

Variable: emd_performed

Definition: Indicates whether the Emergency Medical Dispatching (EMD) protocol was performed. This information will understand the use and impact scripted dispatching provides as it relates to resuscitation efforts and the willingness of a bystander to act in a given emergency. Scripts on how to provide naloxone and how to provide CPR are included in medical dispatch programs. The dispatcher and the caller are the first people to intervene and provide care on an overdose incident. Understanding the willingness to accept direction from a dispatcher after calling 9-1-1 could provide insight on how to improve bystander intervention.

Guidance:

- No: The dispatch center that received the call for emergency services did NOT process the call using a pre-existing evidence-based response system
- Yes, with pre-arrival instructions: The dispatch center that received the call for emergency services processed the call using a pre-existing evidence-based system and intervention instructions WERE provided to caller.
- Yes, without pre-arrival instructions: The dispatch center that received the call for emergency services processed the call using a pre-existing evidence-based system and NO intervention instructions were provided to the caller.
- Yes, unknown whether pre-arrival instructions were given: The dispatch center that received the call for emergency services processed the call using a pre-existing evidence-based system and it is UNKOWN whether intervention instructions were provided to the caller.
- Unknown: It is unknown whether emergency medical dispatching was performed.

Reference: None

7.4) Was EMS at the scene?

Variable: ems_present

Question type: Select only one.

Definition: Indicates whether emergency medical services were present at the scene of the injury incident.

Guidance: EMS status describes the involvement of emergency medical services in violent injury cases. This may assist in planning and evaluating EMS services and in capturing costs associated with violence. Code "EMSPresent" only to indicate the presence of medical services at the scene, not to indicate whether any medical services were delivered. If the decedent was transported from the scene via ambulance, this variable should be coded “yes.”

Reference: NVDRS 4.3.6 EMS at scene

7.4a) Presence of a pulse when EMS arrived?

Variable: pulse

Question type: Select only one.

Definition: Indicates whether the decedent had a measurable pulse at the time EMS, law enforcement, fire, or other first responders arrived at the scene of the overdose, or, if the decedent was brought to the ED by laypersons, the decedent had a pulse upon arrival at the ED.

Guidance: The status of someone who has overdosed at the time of first-responder arrival will affect the ability of first responders to reverse the overdose and prevent death. If there is mention that a person is clearly deceased at first-responder arrival, it is more likely that no lifesaving measures will have been undertaken (beyond possibly transporting to the ED, if first responders are unable to declare death in the field). If, however, the decedent still had a pulse when first responders arrived, there is a higher likelihood that they administered some care/treatment to reverse the overdose. Evidence of presence of a pulse at first-responder arrival will provide information about factors such as whether bystanders were present (to call 9-1-1), whether any first-responder lifesaving interventions were undertaken, and rapidity of onset of overdose symptoms. Check the box associated with this variable if there is evidence that the decedent had a pulse (including instances in which a pulse is noted as weak or abnormal) when first responders arrived.

Reference: SUDORS 4.4.j Presence of pulse on first-responder arrival (modified responses so numbering matched the rest of the data instrument).

7.4b) EMS intervention other than naloxone.

Variable: ems_resposne

Question type: Check all that apply.

Definition: Indicates what intervention(s) were done by EMS on the scene.

Guidance:

- CPR: Check this variable if there is evidence that a first responder performed CPR on the decedent after the onset of overdose symptoms. Cardiopulmonary resuscitation (CPR) is an emergency procedure that includes chest compressions and possibly ventilation (either mouth-to-mouth breathing or with the use of equipment) to maintain brain function until further treatment can be given and/or spontaneous circulation returns.
- Epinephrine administration: Check this variable if there is evidence that first responders administered epinephrine to the decedent. Epinephrine, also called adrenaline, is a medication used in emergencies to treat allergic reactions. It can help improve breathing and stimulate the heart rate. Epinephrine is also used in certain situations to treat cardiac arrest, so it can be administered to someone who has overdosed.
- Provided oxygen: Check this variable if there is evidence that first responders provided supplemental oxygen to the decedent. If a person has trouble breathing or trouble taking in oxygen while breathing, supplemental oxygen might be provided. Oxygen is usually provided through a face mask or nasal prongs. If someone has overdosed, there might be continued trouble with sufficient breathing even after he or she is able to breathe unaided.
- Rescue breathing: Check this variable if there is evidence that a first responder performed rescue breathing on the decedent after the onset of overdose symptoms. Rescue breathing is an emergency procedure used to revive a person who has stopped

breathing by forcing air into the lungs at regular intervals, either by exhaling into the decedent's mouth or nose or into a mask over the decedent's mouth.

- Transport to ED: Check the box associated with this variable if there is evidence that first responders transported the decedent to the ED. This can include instances in which the decedent was transported for further care or for a declaration of death. If a person who has overdosed has been revived in the field or has enough signs of life, he or she will likely be transported to the ED for further treatment. In some instances, if a person has died of an overdose before reaching the ED, but first responders cannot declare death in the field, the person might be transported to the ED to enable a health care provider to declare death.
- Other: Check the box associated with this variable if there is evidence that a first responder made some other response not covered in this question for the decedent after the onset of overdose symptoms. First-responder interventions are not limited to the response options provided. Use this variable if there is evidence indicating that some other response was made and include a description of the response in the text box.

Reference: Subsection 4.4.K First-responder intervention(s) other than naloxone administration

7.4c) Specify "Other"

Variable: ems_response_othr

Question type: Text entry

Definition: Specifies other EMS response other than naloxone administration.

Reference: None

7.5) Was it known that naloxone was administered?

Variable: naloxone

Question type: Select only one.

Definition: Indicates whether the decedent was administered naloxone in response to his or her fatal opioid overdose. Naloxone is a drug that reverses the effects of an opioid overdose. Naloxone can be administered nasally or injected. Narcan™ is a trademarked name for drugs containing naloxone that are used to reverse opioid overdoses.

Guidance:

- Yes: To check response, two criteria must be met:
    - The decedent was administered naloxone for his or her fatal opioid overdose by any of the following people: a layperson; EMS responders; law enforcement

officers; firefighters; or health care workers in an emergency room, hospital, or critical care center.
    - There must be evidence that the naloxone was administered—evidence that naloxone was found at the scene (even used naloxone packaging) is insufficient unless there is also evidence that it was administered to the decedent. If toxicology tests on the decedent detect naloxone, check the box associated with this variable, unless buprenorphine is also detected, since this could indicate use of Suboxone, which is a combination of buprenorphine and naloxone.
- No: Check this response if there is evidence that naloxone was not administered or if it is unknown whether it was administered.

Reference: SUDORS Subsection 4.4.e and 4.4.f Naloxone Administered or Not (modified by making known or documented)

7.5a) Who administered the naloxone?

Variable: naloxone_who

Question type: Check all that apply.

Definition: Indicates the type(s) of people who administered naloxone to the decedent in response to the fatal opioid overdose and how many naloxone dosages were administered. Must identify at least one individual or group who administered naloxone to the decedent by checking the box associated with the individual or group. Multiple groups can be checked because a decedent may have received naloxone from multiple groups.

Guidance:

- EMS/Fire: Check this variable if EMS staff members or firefighters administered naloxone to the decedent. EMS staff members (e.g., ambulance EMTs) or firefighters administered naloxone to the decedent. This category includes all EMS personnel regardless of certification level.
- Friend: Check this variable if the layperson who administered naloxone to the decedent was the decedent's friend. The person who administered the naloxone was a friend or acquaintance of the decedent. If the decedent knew the bystander even casually, the box associated with this variable should be checked.
- Hospital (ED/inpatient): Check this variable if hospital staff members, either in-patient or in the ED, administered naloxone to the decedent. The decedent was administered naloxone for his or her overdose in the emergency department or inpatient hospital setting. Naloxone administered in critical care centers should also be coded in this category.
- Intimate partner: Check this variable if the layperson who administered naloxone to the decedent was the decedent's intimate partner. The person who administered naloxone was a wife, husband, girlfriend, or boyfriend of the decedent. This category also includes ex-girlfriends, ex-boyfriends, ex-wives, and ex-husbands.

- Law enforcement: Check this variable if a law enforcement officer administered naloxone to the decedent. A law enforcement officer administered naloxone. Law enforcement includes local, state, tribal, and federal agencies, as well as private security.
- Other family: Check this variable if the layperson who administered naloxone to the decedent was a decedent's family member (other than an intimate partner). The person who administered the naloxone was a family member, but not the decedent's intimate partner. For instance, the person could be the decedent's mother, father, brother, sister, aunt, uncle, cousin, son, daughter, or grandparent.
- Person using drugs: Check this variable if the layperson who administered naloxone to the decedent was someone who was also using substances or alcohol at the time of the overdose. The person who administered naloxone was a person who was using drugs with the decedent at the time of the overdose.
- Roommate: Check this variable if the layperson who administered naloxone to the decedent was the decedent's roommate. The person who administered the naloxone lived with the decedent and was not an intimate partner or other family member.
- Stranger: Check the box associated with this variable if the layperson who administered naloxone to the decedent was a stranger to the decedent. The decedent did not know the person who administered the naloxone. Check the box associated with this variable only when the bystander was not using drugs with the decedent at the time of the overdose, an intimate partner, a friend (or acquaintance), another family member, a roommate, or another lay person.
- Other: Check this variable if someone other than those listed in responses administered naloxone to the decedent. For instance, if the decedent overdosed at a syringe exchange program and received naloxone from trained health professionals at the syringe exchange program, this box should be checked. If this box is checked, please provide details in the narrative about who administered the naloxone.

Reference: SUDORS 4.4.f Naloxone administered—who administered? (modified number to align with the rest of the data instruments numbering)

7.5b) Specify "Other"

Variable: naloxone_who_othr

Question type: Text entry

Definition: Specifies other individual who administered naloxone.

Guidance: None

Reference: None

7.5c) Total number of naloxone dosages known to be administered by first responders and health care professionals

Variable: naloxone_number_hcp

Question type: Text (integer)

Definition: Indicates the total number of naloxone dosages administered by first responders/health care providers such as law enforcement, EMS, or emergency department physicians.

Guidance: Range 1–120.

Please use the following guidance when calculating dosage:

- The amount of naloxone delivered to a person per dose varies across naloxone products. This variable does not capture the total amount of naloxone the person receives (e.g., total milligrams of naloxone), but instead the total number of doses he or she receives. For instance, if noted that EMS administered nasal naloxone twice to the patient, "2" should be entered for number of dosages. Of note: Nasal naloxone is delivered as a divided dose, with half of each dose going into each nostril; this is considered one dose but can be mistaken as two doses. If evidence is available that one dose was given, with half in each nostril, "1" should be entered for the number of dosages. Knowing the number of doses is important to ensure that sufficient dosages are distributed to first responders.
- Some nasal naloxone devices require administering half of the dose of naloxone in each nostril. If the person administering the nasal dose uses only a half dose (i.e., administers naloxone only in one nostril), the abstractor should round up and count this as one dose—enter "1" in the box.
- If the patient received the naloxone intravenously, please count this as a single dose.

Reference: 4.4.h Total number of naloxone dosages administered by first responders/health care (modified to match our response numbers)

7.5d Total number of naloxone dosages known to be administered by laypersons

Variable: naloxone_number_lay

Question type: Text (integer)

Definition: Indicates the total number of naloxone dosages known administered by bystanders such as family, friends, roommate, strangers, or people who were using drugs with the decedent.

Guidance: Range 1–120.

Please use the following guidance when calculating dosage:

The amount of naloxone delivered to a person per dose varies across naloxone products. This variable does not capture the total amount of naloxone the person receives (e.g., total milligrams of naloxone), but instead the total number of doses he or she receives. For instance, if it is noted that a family member administered nasal naloxone twice to the decedent and a

roommate administered naloxone once to the decedent through an auto injector, “3” should be entered for number of dosages. Of note: Nasal naloxone is delivered as a divided dose, with half of each dose going into each nostril; this is considered one dose but can be mistaken as two doses. If evidence is available that one dose was given, with half in each nostril, “1” should be entered for the number of dosages. Knowing the number of doses is important to ensure that sufficient dosages are distributed to first responders.

If details about a nasally administered dose are unavailable or unclear in the reports, enter “999” for unknown.

Some nasal naloxone devices require administering half of the dose of naloxone in each nostril. If the person administering the nasal dose uses only a half dose (i.e., only administers naloxone in one nostril), the abstractor should round up and count this as one dose—enter “1” in the box.

If the patient received the naloxone intravenously, please count this as a single dose.

Reference: 4.4.i Total number of naloxone dosages administered by layperson(s). (Modified to match our response numbers.)

7.5e) Why was naloxone not administered?

Variable: naloxone_why_not

Question type: Text entry

Definition: Indicates known reasons naloxone was not administered.

Guidance: None

Reference: None

7.5f) Known issues administering naloxone?

Variable: naloxone_administration

Question type: Text entry

Definition: Describes any issues or barriers in the administration of the naloxone.

Guidance:

- Describe any barriers or issues experienced in administering naloxone.
- None: Enter “none” if there are not any known barriers or issues in administration of naloxone.
- Unknown: Enter “unknown” if there were barriers but it is unclear what or why there were barriers.

Reference: None

8. Recent Life Stressors

8.1) In the 14 days prior to death, did the decedent have any of these known housing or financial stressors?

Variable: financial_stressors

Question type: Check all that apply

Definition: Indicates any financial or housing-related known life stressors in the 14 days prior to death.

Guidance: Benefits include Supplemental Security Income (SSI), Children's Health Insurance Program (CHIP), housing assistance, energy assistance, unemployment insurance, Supplemental Nutritional Assistance Programs (SNAP or "food snaps"), Temporary Assistance for Needy Families (TANF or "welfare"), etc.

Reference: NVDRS Crisis-related variables (modified)

8.2) In the 14 days prior to death, did the decedent have any of these known life stressors?

Variable: life_stressors

Question type: Check all that apply.

Definition: Indicates any known life stressors in the 14 days prior to death.

Guidance:

- Child, new or loss: Adopted a child, experienced a loss of adoption, son or daughter died, learned about pregnancy, or birth of a child
- Divorce or significant relationship problems: Decedent filed for divorce, received divorce papers, experienced an intimate relationship breakup, or experienced a significant relationship problem or disagreement with family or friend
- Infidelity: Decedent discovered partner's infidelity; decedent's partner discovered decedent's infidelity

Reference: None

9. Health Care Access

9.1) In the 12 months prior to death, did the decedent have known health care visits (other than behavioral health/mental health or substance use disorder treatment)?

Variable: health_care_use

Question type: Check all that apply.

Definition: Indicates whether there is known access to health care, other than mental health or substance use disorder treatment, in the year prior to death, other than the fatal overdose event.

Guidance: Excludes mental health and substance use disorder treatment. This information is gathered in Module 11 Mental Health History and Module 12 Substance Use History.

Reference: None

9.2) In the 12 months prior to death, how many times did the decedent have a known emergency visit?

Variable: ed_number

Question type: Text entry (integer)

Definition: Indicates the total number of known emergency response visits in the 12 months prior to the death.

Guidance: Input number of known visits. Range 1–100.

Reference: None

9.2a) Date of *most recent* known emergency department visit

Variable: ed_recent

Question type: Text entry

Definition: Indicates the date of the most recent known emergency department visit.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

9.2b) If exact date is not known, enter the approximate date of *most recent* known emergency department visit

Variable: ed_recent_app

Question type: Text entry

Definition: Approximate date of most recent known emergency department visit.

Guidance: Enter the approximate date (e.g., June 2020).

Reference: None

9.2c) What was the primary reason for the most recent emergency department visit?

Variable: ed_reason

Question type: Select only one.

Definition: Indicates the primary reason for the most recent emergency department visit.

Guidance: None

Reference: None

9.2d) Specify "Other"

Variable: ed_reason_othr

Question type: Text entry

Definition: Specifies other primary reason for most recent emergency department visit.

Guidance: None

Reference: None

9.3) In the 12 months prior to death, how many times did the decedent have known encounters with EMS, including community paramedics?

Variable: ems_number

Question type: Text entry (integer)

Definition: Indicates the total number of known EMS encounters in the 12 months prior to the death.

Guidance: Input number of known EMS encounters. Range 1–100.

Reference: None

9.3a) Date of *most recent* known EMS encounter

Variable: ems_recent

Question type: Text entry

Definition: Indicates the date of the most recent known EMS encounter.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

9.3b) If exact date is not known, enter the approximate date of *most recent* known EMS encounter

Variable: ems_recent_app

Question type: Text entry

Definition: Approximate date of the most recent known EMD encounter.

Guidance: Enter the approximate date (e.g., June 2020)

Reference: None

9.3c) What was the primary reason for the most recent EMS encounter?

Variable: ems_reason

Question type: Select only one.

Definition: Indicates the primary reason for the most recent EMS encounter.

Guidance: None

Reference: None

9.3d) Specify "Other"

Variable: ems_reason_othr

Question type: Text entry

Definition: Specifies other primary reason for most recent EMS encounter.

Guidance: None

Reference: None

9.4) In the past 12 months prior to death, how many times did the decedent have a known inpatient hospitalization?

Variable: inpatient_number

Question type: Text entry (integer)

Definition: Indicates the total number of known inpatient hospitalizations in the 12 months prior to the death.

Guidance: Input number of known hospitalizations. Range 1–100.

Reference: None

9.4a) Date of *most recent* known inpatient hospitalization

Variable: inpatient_recent

Question type: Text entry

Definition: Indicates the date of the most recent known inpatient hospitalization discharge date.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

9.4b) If exact date is not known, enter the approximate date of *most recent* known inpatient hospitalization

Variable: inpatient_recent_app

Question type: Text entry

Definition: Approximate date of most recent known inpatient hospitalization.

Guidance: Enter the approximate date (e.g., June 2020).

Reference: None

9.4c) What was the primary reason for the most recent inpatient hospitalization?

Variable: inpatient_reason

Question type: Select only one.

Definition: Indicates the primary reason for the most recent inpatient hospitalization.

Reference: None

9.4d) Specify "Other"

Variable: inpatient_reason_othr

Definition: Specifies other primary reasons for the most recent inpatient hospitalization.

Guidance: None

Reference: None

9.5) Date of *most recent* known visit with a primary care provider

Variable: primary_care_recent

Question type: Text entry

Definition: Indicates the date of the most recent known contact with primary care provider.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

9.5a) If exact date is not known, enter the approximate date of *most recent* known visit with a primary care provider

Variable: primary_care_recent_app

Question type: Text entry

Definition: Approximate date of most recent known contact with a primary care provider.

Guidance: Enter the approximate date (e.g., June 2020).

Reference: None

9.5b) What was the primary reason for the most recent primary care visit?

Variable: primary_care_reason

Question type: Select only one.

Definition: Indicates the primary reason for the most recent primary care visit.

Guidance: None

Reference: None

9.5c) Specify "Other"

Variable: primary_care_reason_othr

Question type: Text entry

Definition: Specifies other primary reason for the most recent primary care visit.

Guidance: None

Reference: None

9.6) In the 12 months prior to the death, what harm-reduction services was the decedent known to access?

Variable: harm_reduction

Question type: Check all that apply.

Definition: Indicates known harm-reduction services the decedent accessed in the 12 months prior to death.

Guidance: None

Reference: None

9.6a) Specify "Other"

Variable: harm_reduction_othr

Question type: Text entry

Definition: Specifies other known harm-reduction services the decedent accessed in the 12 months prior to death.

Guidance: None

Reference: None

9.7) At the time of death, what was the decedent's insurance status?

Variable: insurance_status

Question type: Select only one.

Definition: Indicates the insurance status/coverage at the time of death.

Guidance: None

Reference: None

9.8) In the 12 months prior to death, was there a known change in insurance coverage?

Variable: insurance_change

Question type: Select only one.

Definition: Indicates known insurance coverage change in the 12 months prior to death.

Guidance: None

Reference: None

10. Health History

10.1) Did the decedent have any known history of any of the following health conditions?

Variable: health_history

Question type: Check all that apply.

Definition: Indicates whether the decedent has any known or documented history of various health conditions.

Guidance: None

Reference: None

10.1a) Specify "Other illness"

Variable: health_history_othr

Question type: Text entry

Definition: Specifies other illness for which decedent had a known history.

Guidance: None

Reference: None

10.2) At the time of death, was the decedent known to be under medical care or receiving treatment for the following health issues?

Variable: health_treatment

Question type: Check all that apply.

Definition: Indicates which health conditions the decedent was under treatment for at the time of his or her fatal overdose.

Guidance: None

Reference: None

10.2a) Specify "Terminal diagnosis"

Variable: health_terminal_othr

Question type: Text entry

Definition: Specifies terminal diagnosis for which decedent was under treatment at the time of his or her fatal overdose.

Guidance: None

Reference: None

10.2b) Specify "Other illness"

Variable: health_illness_othr

Definition: Specifies other illness for which decedent was under treatment at the time of his or her fatal overdose.

Guidance: None

Reference: None

10.3) What type of pain was the decedent being treated for?

Variable: pain_type

Question type: Select only one.

Definition: Indicates what type of pain the decedent was being treated for at the time of his or her fatal overdose.

Guidance: None

Reference: None

10.3a) Who was treating the decedent's pain?

Variable: pain_provider

Question type: Check all that apply.

Definition: Indicates what type of health care provider was treating the decedent's pain.

Guidance: None

Reference: None

10.3b) Specify "Other"

Variable: pain_provider_othr

Question type: Text entry

Definition: Specifies other type of pain treatment provider.

Guidance: None

Reference: None

10.3c) Date of *most recent* known health care visit for pain

Variable: pain_date

Question type: Text entry

Definition: Indicates the date of the decedent's most recent known health care visit for pain.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

10.3d) If exact date is not known, enter the approximate date of *most recent* known health care visit for pain

Variable: pain_date_app

Question type: Text entry

Definition: Approximate date of most recent known health care visit for pain.

Guidance: Enter the approximate date (e.g., June 2020)

Reference: None

10.4) In the 14 days prior to death, did the decedent have any of these known health stressors?

Variable: health_stressors

Question type: Check all that apply.

Definition: Indicates any known health stressors in the 14 days prior to death.

Guidance:

- Pregnancy complications: terminated pregnancy, miscarriage, or other significant health status information about fetus or mother

Reference: None

11. Mental Health History

11.1) Did the decedent have a known history of a mental health problem/diagnosis (such as depression, anxiety, post-traumatic stress disorder [PTSD], etc., excluding substance use disorder treatment)?

Variable: mh_history

Question type: Select only one.

Definition: Indicates whether the decedent had any known or documented history of a mental health problem or diagnosis.

Guidance:

- Excludes suicide attempt and ideation and substance use disorder treatment.
- Mental health conditions not diagnosed or treated, but identified by family members, social network, or other data providers, can count as mental health problems.
- Mental health problems include those disorders and syndromes listed in the Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition (DSM-5) except for alcohol and other substance dependence (these are captured in separate variables).
- Examples of disorders qualifying as mental health problems include diagnoses such as major depression, schizophrenia, and generalized anxiety disorder, as well as neurodevelopmental disorders (such as intellectual disability, autism, attention-deficit /hyperactivity disorder), eating disorders, personality disorders, and organic mental disorders (such as Alzheimer's and other dementias).
- Also indicate "yes" if it is mentioned in the source document that the decedent was being treated for a mental health problem, even if the nature of the problem is unclear (e.g., "was being treated for various psychiatric problems").
- It is acceptable to endorse this variable based on past treatment of a mental health problem, unless it is specifically noted that the past problem has been resolved. However, do not code this circumstance based only on a positive toxicology test for psychiatric medications (such as antidepressants). There must also be some indication that the decedent was being treated for a mental health condition, such as a current prescription, the report by a family member, etc.

Reference: NVDRS 5.3.1 Current diagnosed mental health problem: CME/LE MentalHealthProblem (Guidance text)

11.2) In the 12 months prior to death, did the decedent have known visits with a provider to treat a mental health condition?

Variable: mh_treatment_hx

Question type: Select only one.

Definition: Indicates whether there was known access to mental health care to treat a mental health condition in the year prior to death.

Guidance: Mental health treatment may include primary care provider, emergency room, counselor/therapy, psychiatrist, etc. to treat mental health conditions.

- Also indicate "yes" if it is mentioned in the source document that the decedent was being treated for a mental health problem, even if the nature of the problem is unclear (e.g., "was being treated for various psychiatric problems").
- It is acceptable to endorse this variable based on past treatment of a mental health problem, unless it is specifically noted that the past problem has been resolved. However, do not code this circumstance based only on a positive toxicology test for psychiatric medications (such as antidepressants). There must also be some indication that the decedent was being treated for a mental health condition, such as a current prescription, the report by a family member, etc.

Reference: NVDRS 5.3.1 Current diagnosed mental health problem: CME/LE MentalHealthProblem (Guidance text)

11.2a) At the time of death, was the decedent known to be under care or receiving treatment for a mental health condition?

Variable: mh_treatment

Question type: Select only one.

Definition: Indicates whether the decedent was under treatment for a mental health condition at the time of his or her fatal overdose.

Guidance: Mental health treatment may include primary care provider, emergency room, counselor/therapy, psychiatrist, etc. to treat mental health conditions.

- Also indicate "yes" if it is mentioned in the source document that the decedent was being treated for a mental health problem, even if the nature of the problem is unclear (e.g., "was being treated for various psychiatric problems").
- It is acceptable to endorse this variable based on past treatment of a mental health problem, unless it is specifically noted that the past problem has been resolved. However, do not code this circumstance based only on a positive toxicology test for psychiatric medications (such as antidepressants). There must also be some indication that the decedent was being treated for a mental health condition, such as a current prescription, the report of a family member, etc.

Reference: NVDRS 5.3.1 Current diagnosed mental health problem: CME/LE MentalHealthProblem (Guidance text)

11.2b) Date of *most recent* known contact with a provider to treat a mental health condition

Variable: mh_recent

Question type: Text entry

Definition: Indicates the date of the most recent known contact with mental health treatment provider.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

11.2c) If exact date is not known, enter the approximate date of *most recent* known contact with a provider to treat a mental health condition

Variable: mh_recent_app

Question type: Text entry

Definition: Approximate date of most recent known contact with a provider to treat a mental health.

Guidance: None

Reference: None

11.3) Did the decedent have a known history of suicidal ideation/plans or attempts?

Variable: suicide_history

Question type: Select only one.

Definition: Indicates whether the decedent was known to have a history of suicidal ideation, plans, or attempts.

Guidance: If the decedent was known to share suicidal ideation, plans, or attempt with family members or a social network as well as to seek treatment, both can allow for endorsement of this variable.

Reference: None

11.3a) In the 12 months prior to death, did the decedent have known treatment for suicidal ideation/plans or attempts?

Variable: suicide_treatment

Question type: Select only one.

Definition: Indicates whether the decedent had a known history of treatment for suicidal ideation/plans or attempts.

Guidance: Mental health treatment may include primary care provider, emergency room, counselor/therapy, psychiatrist, etc. to treat mental health conditions.

Reference: None

11.3b) Date of *most recent* known contact with a provider to treat suicidal ideation/plans or attempts?

Variable: suicide_treatment_recent

Question type: Text entry

Definition: Indicates the date of the most recent known contact with provider to treat suicidal ideation/plans or attempts.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

11.3c) If exact date is not known, enter the approximate date of *most recent* known contact with a provider to treat suicidal ideation/plans or attempt

Variable: suicide_treatment_recent_app

Definition: Approximate date of most recent known contact with a provider to treat suicidal ideation/plans or attempt.

Guidance: Enter the approximate date (e.g., June 2020).

Reference: None

11.4) At the time of the overdose incident, was it known that the decedent left a suicide note, a letter, a text, an email, and/or a voicemail?

Variable: suicide_note

Question type: Select only one.

Definition: Indicates whether it was known that the decedent left a suicide note.

Guidance:

- A will or folder of financial papers near the decedent does not constitute a suicide note.
- If the record states the person left a "note," infer that it was a suicide note in the absence of information indicating that the note had some other purpose.
- A suicide "note" can be any essentially durable message; it does not have to be on a piece of paper. Emails, text messages, voicemails, or writing on any object (such as a wall or table) all qualify.
- A text or electronic message sent immediately before the suicide occurred should be labeled a suicide note if there was no time between the sending/receipt of the message and the suicide.

Reference: NVDRS 5.7.5 Left a suicide note: CME/LE_SuicideNote (Guidance)

11.5) In the 14 days prior to death, did the decedent have any of these known mental health-related events?

Variable: mh_stressors

Question type: Check all that apply.

Definition: Indicates whether the decedent had any known mental health-related events 14 days prior to death.

Guidance: None

Reference: None

11.6) In the 12 months prior to death, was mental health treatment recommended by a health professional and/or identified as a need by the family, but the decedent did not receive care?

Variable: mh_recommendation

Definition: Indicates whether the decedent did not receive mental health treatment recommended to him or her.

Guidance: None

Reference: None

11.6a) Were there known barriers to accessing mental health care?

Variable: mh_barrier

Question type: Select only one.

Definition: Indicates whether there were known barriers to accessing mental health care.

Guidance: None

Reference: None

11.6b) What were the known barriers to accessing mental health care?

Variable: mh_barrier_type

Question type: Check all that apply.

Definition: Indicates the known barriers to accessing mental health care.

Guidance: None

Reference: None

11.6c) Specify "Other"

Variable: mh_barrier_type_othr

Definition: Specifies other barrier to accessing mental health care.

Guidance: None

Reference: None

12. Substance Use History

12.1) Did the decedent have a known history of substance use disorder or diagnosis?

Variable: su_history

Question type: Select only one.

Definition: Indicates whether the decedent had any known or documented history of a substance use disorder or diagnosis.

Guidance:

- Excludes suicide attempt and ideation and mental health condition treatment.
- Substance use disorders not diagnosed or treated, but identified by family members, social network, or other data providers, can count as mental health problems.
- Substance use disorder diagnosis.
- Substance use refers to all drugs (including alcohol) that are either nonprescription or being used in a manner inconsistent with safe prescribing practices.

Reference: None

12.1a) Known age at first use of substances

Variable: substance_age

Question type: Text entry (integer)

Definition: Documents known age of decedent when he or she first started to use substances.

Guidance: Range 1–120. Leave blank if the age the decedent first used substances is unknown. Substance use refers to all drugs (including alcohol) that are either nonprescription or being used in a manner inconsistent with safe prescribing practices.

Reference: None

12.1b) What was the substance the decedent was first known to use?

Variable: substance_first

Question type: Check all that apply.

Definition: Indicates the first known substance used.

Guidance: None

Reference: None

12.1c) Specify "Other"

Variable: substance_first_othr

Question type: Text entry

Definition: Specifies other substance decedent was first known to use.

Guidance: None

Reference: None

12.1d) What substances was the decedent known to have a history of using?

Variable: substance_hx_type

Question type: Check all that apply.

Definition: Indicates which substances the decedent was known to use.

Guidance: None

Reference: None

12.1e) Specify "Other"

Variable: substance_hx_type_othr

Question type: Text entry

Definition: Specifies other substance decedent was known to use.

Guidance: None

Reference: None

12.1f) What were the decedent's known substances of choice?

Variable: substance_choice

Question type: Check all that apply.

Definition: Indicates the decedent's known substance of choice or primary substance used.

Guidance: None

Reference: None

12.2) What was the decedent's known preferred method for the substance involved in the death?

Variable: prefer_method

Question type: Check all that apply.

Definition: Indicates the decedent's known preferred method for the substance involved in the overdose death.

Guidance: None

Reference: None

12.2a) Specify "Other"

Variable: prefer_method_othr

Question type: Text entry

Definition: Specifies the other known preferred method for the substance involved in the death.

Guidance: None

Reference: None

12.3) Over the decedent's life, number of known nonfatal drug overdoses

Variable: od_number_life

Question type: Text entry (integer)

Definition: Indicates the number of known nonfatal drug overdoses.

Guidance: Range 0–120. Enter "0" if there are no known nonfatal drug overdoses. A drug overdose, involving any substance including, but not limited to opioids, was reported. A drug overdose is defined as the decedent's experiencing acute clinical symptoms such as difficulty breathing, unconsciousness/unresponsiveness, or irregular heartbeats related to the ingestion, inhalation, injection, or absorption of the drug in quantities greater than recommended. Opioid overdose can present as sedation (sleepiness), low blood pressure, slowed or no heart rate, and slowed or no breathing.

The following situations should be considered evidence of previous drug overdoses:

- A family or friend reporting that the decedent had previously overdosed but providing no information on the substance(s) involved in the overdose
- Previous overdoses related to any substance including but not limited to opioids, benzodiazepines, cocaine, or sedatives
- A drug overdose that required treatment in an emergency department, a critical care center, or other medical center
- An opioid overdose that was treated with naloxone (a drug to reverse opioid overdoses) by a layperson and the person experiencing the overdose did not seek medical treatment
- A drug overdose to which emergency medical services responded (e.g., after a 9-1-1 call), and the person refused to be transported to the hospital
- The following situations are not considered evidence of previous drug overdoses:
- The decedent was reported as previously passing out from or receiving medical care for alcohol intoxication.
- The decedent previously experienced adverse effects from substance use that were not acute, such as constipation or skin rashes.
- The decedent previously sought medical care to treat withdrawal symptoms or assist with detox.
- The decedent previously sought medical care for injection-related conditions such as abscesses, endocarditis, or fevers.

The following situation would require additional information to determine whether there was a previous overdose:

- The decedent was revived by naloxone and/or admitted to the ED/hospital and was released, seemingly recovered. The decedent was later found unresponsive in the overdose that led to death, with no evidence of additional drug use. Timeline, toxicology results, and additional information from the CME report should be used to determine whether it is more likely that the fatal overdose was the same as the overdose that led to naloxone revival or ED/hospital admission or whether subsequent substance use led to another overdose.

Reference: SUDORS 4.2.a Previous Drug Overdose (Guidance)

12.3a) Date of the *most recent* known nonfatal drug overdose

Variable: od_recent_date

Question type: Text entry

Definition: Indicates the date of the more recent known nonfatal drug overdose.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

This item also captures the period from the previous overdose to the time when the fatal drug overdose occurred.

- If the person experienced multiple overdoses, code the timing of the most recent overdose.

Reference: SUDORS 4.2.a Previous Drug Overdose (Guidance)

12.3b) If exact date is not known, enter the approximate date of the *most recent* known nonfatal drug overdose

Variable: od_recent_app

Question type: Text entry

Definition: Approximate date of the most recent known nonfatal drug overdose.

Guidance: None

Reference: None

12.4) In the 12 months prior to death, did the decedent have a known period of sobriety or abstinence from the drug involved in the fatal overdose?

Variable: sobriety

Question type: Select only one.

Definition: Indicates whether the decedent had a known period of sobriety or abstinence from the drug involved in the fatal overdose.

Guidance: The decedent had a history of misusing opioids or an opioid use disorder and had a period of not using opioids for at least one week.

Reference: SUDORS 4.2.b Recent Opioid Use Relapse (Definition for Guidance)

12.4a) What were the known reasons for the *most recent* known sobriety or abstinence?

Variable: sobriety_reason

Question type: Check all that apply.

Definition: Indicates known reasons for the most recent known sobriety or abstinence.

Guidance: The decedent had a history of misusing opioids or an opioid use disorder and had a period of not using opioids for at least one week.

Reference: SUDORS 4.2.b Recent Opioid Use Relapse (Definition for Guidance)

12.4b) Specify "Other"

Variable: sobriety_reason_othr

Question type: Text entry

Definition: Specifies other reason for most recent known sobriety or abstinence.

Guidance: None

Reference: None

12.5) In the 12 months prior to death, did the decedent have known treatment for substance use disorder?

Variable: su_treatment_hx

Question type: Select only one.

Definition: Indicates whether there was known access to substance use disorder treatment in the year prior to death.

Guidance: A diagnosis does not imply that treatment was received. The decedent may have been out of compliance with treatment for a diagnosed condition.

Treatment for substance use disorder includes:

- Seeing a psychiatrist, a psychologist, a medical doctor, a therapist, or another counselor (including religious or spiritual counselors) for a substance use disorder.
- Prescribed medicine as part of medication-assisted treatment, such as buprenorphine (SuboxoneTM), methadone, and naltrexone. Include as current or past treatment only if there is clear evidence that prescriptions were for treatment of opioid addiction and not for treatment of pain.
- Residing in an inpatient facility, a group home, or a halfway house for people with substance use disorders.

- Participating in Narcotics Anonymous.

The following situations should not be included as evidence of treatment for substance abuse:

- There was a positive toxicology test for substances associated with medication-assisted treatment (such as buprenorphine), without further evidence that the substances were being taken to treat substance use disorder, because methadone and buprenorphine can both be prescribed for pain. There must also be some indication that the decedent was being treated for a substance use disorder, such as a current prescription or a report by a family member. If toxicology results and/or scene evidence/witness report indicate that the decedent was taking buprenorphine, methadone, or another medication, but there is no evidence that the medication was prescribed to the decedent, do not code as treatment because the medications can be bought illegally (either in the context of substance use disorder or to treat substance use disorder without getting a prescription).
- There is evidence that the decedent received care or treatment for something related to substance use disorder, but there is no evidence that the underlying substance use disorder was treated, for example:
    - The decedent was reported as previously passing out from or receiving medical care for alcohol intoxication.
    - The decedent previously sought medical care after experiencing adverse effects from drug use that were not acute, such as constipation or skin rashes.
    - The decedent previously sought medical care to treat withdrawal symptoms or to assist with detox.
    - The decedent previously sought medical care for injection-related conditions such as abscesses, endocarditis, or fevers.

Reference: SUDORS 4.2.c Treatment for Substance Abuse (Definition for Guidance)

12.5a) At the time of death, was the decedent known to be under care or receiving treatment for a substance use disorder?

Variable: su_treatment

Question type: Select only one.

Definition: Indicates whether the decedent was under treatment for a substance use disorder at the time of his or her fatal overdose.

Guidance: A diagnosis does not imply that treatment was received. The decedent may have been out of compliance with treatment for a diagnosed condition.

Treatment for substance use disorder includes:

- Seeing a psychiatrist, a psychologist, a medical doctor, a therapist, or another counselor (including religious or spiritual counselors) for a substance use disorder.
- Prescribed medicine as part of medication-assisted treatment, such as buprenorphine (SuboxoneTM), methadone, and naltrexone. Include as current or past treatment only if

there is clear evidence that prescriptions were for treatment of opioid addiction and not for treatment of pain.
- Residing in an inpatient facility, a group home, or a halfway house for people with substance use disorders.
- Participating in Narcotics Anonymous.

The following situations should not be included as evidence of treatment for substance abuse:

- There is a positive toxicology test for substances associated with medication-assisted treatment (such as buprenorphine), without further evidence that the substances were being taken to treat substance use disorder, because methadone and buprenorphine can both be prescribed for pain. There must also be some indication that the decedent was being treated for a substance use disorder, such as a current prescription or a report by a family member. If toxicology results and/or scene evidence/witness reports indicate that the decedent was taking buprenorphine, methadone, or another medication, but there is no evidence that the medication was prescribed to the decedent, do not code as treatment because the medications can be bought illegally (either in the context of substance use disorder or to treat substance use disorder without getting a prescription).
- There is evidence that the decedent received care or treatment for something related to substance use disorder, but there is no evidence that the underlying substance use disorder was treated, for example:
    - The decedent was reported as previously passing out from or receiving medical care for alcohol intoxication.
    - The decedent previously sought medical care after experiencing adverse effects from drug use that were not acute, such as constipation or skin rashes.
    - The decedent previously sought medical care to treat withdrawal symptoms or to assist with detox.
    - The decedent previously sought medical care for injection-related conditions such as abscesses, endocarditis, or fevers.

Reference: SUDORS 4.2.c Treatment for Substance Abuse (Definition for Guidance)

12.5b) Date of *most recent* known contact with a substance use disorder treatment provider

Variable: su_treatment_date

Question type: Text entry

Definition: Indicates the date of the most recent known contact with a substance use disorder treatment provider.

Guidance: You must enter “MM” and “DD” as two-digit numbers (e.g., “06” for June, not “6”). Enter 09-09-9999 if exact date is unknown.

Reference: None

12.5c) If exact date is not known, enter the approximate date of *most recent* known contact with a substance use disorder treatment provider

Variable: su_treatment_date_app

Question type: Text entry

Definition: Approximate date of most recent known contact with a substance use disorder treatment.

Guidance: None

Reference: None

12.5d) What type of substance use disorder treatment did the decedent receive at his or her *most recent* known visit?

Variable: su_treatment_type

Question type: Check all that apply.

Definition: Indicates the type of treatment provider seen at the most recent substance use disorder treatment contact.

Guidance: None

Reference: American Society of Addiction Medicine (ASAM) Level of Care

12.6) At the time of the overdose incident, was the decedent known to be connected with a recovery coach or peer support specialist?

Variable: peer_support

Question type: Select only one.

Definition: Indicates whether, at the time of death, the decedent was known to be connected with a recovery coach or a peer support specialist.

Guidance: None

Reference: None

12.7) In the 14 days prior to death, did the decedent have any of the following known substance use-related events?

Variable: su_stressors

Question type: Check all that apply.

Definition: Indicates whether the decedent had any known substance use-related events 14 days prior to death.

Guidance: Returned to substance use: To select the return to substance use, there must be other documentation besides this overdose death. The decedent had a history of misusing opioids or an opioid use disorder and returned to using opioids after a period of not using opioids for at least one week.

People abstaining from opioid use after prolonged use lose their tolerance to the opioids during their period of abstinence. Loss of tolerance puts them at higher risk for overdose because they may return to the dosage they had been taking when they last used. A dose of heroin that previously was sufficient to create feelings of euphoria may result in an overdose after a period of abstinence.

12.8) In the 12 months prior to death, was substance use disorder treatment recommended by a health professional and/or identified as a need by the family, but the decedent did not receive care?

Variable: su_recommendation

Definition: Indicates whether the decedent did not receive substance use treatment recommended to him or her.

Guidance: None

Reference: None

12.8a) Were there known barriers to accessing substance use disorder treatment?

Variable: su_barrier

Question type: Select only one.

Definition: Indicates whether there were known barriers to accessing substance use disorder treatment.

Guidance: None

Reference: None

12.8b) What were the known barriers to accessing substance use disorder treatment?

Variable: su_barrier_type

Question type: Check all that apply.

Definition: Indicates the known barriers to accessing substance use disorder treatment.

Guidance: None

Reference: None

12.8c) Specify "Other"

Variable: su_barrier_type_othr

Question type: Text entry

Definition: Specifies other known barrier to accessing substance use disorder treatment.

Guidance: None

Reference: None

13. Trauma History

13.1) As an adult, did the decedent have a known history of the following trauma or violence?

Variable: trauma_adult

Question type: Check all that apply.

Definition: Indicates whether the decedent had any known traumatic or violent events as an adult.

Guidance: An adult is a person over age 18.

Reference: None

13.1a) Specify "Other"

Variable: trauma_adult_othr

Definition: Specifies other known traumatic or violent events experienced as an adult.

Guidance: None

Reference: None

13.2) In the 14 days prior to death, did the decedent have a known history of the following trauma or violence?

Variable: trauma_stressor

Question type: Check all that apply.

Definition: Indicates whether the decedent had any known traumatic or violent events 14 days prior to death.

Guidance: None

Reference: None

13.2a) Specify "Other"

Variable: trauma_stressor_othr

Question type: Text entry

Definition: Specifies other known traumatic or violent event 14 days prior to death.

Guidance: None

Reference: None

13.3) Did the decedent have a known history of any of the following adverse childhood experiences?

Variable: aces

Question type: Check all that apply.

Definition: Indicates whether the decedent had any known or documented history of adverse childhood experiences.

Guidance: None

Reference: CDC ACEs list, https://vetoviolence.cdc.gov/apps/phl/resource_center_infographic.html

14. Criminal Justice History

14.1) Did the decedent have any known criminal justice history?

Variable: cj_history

Question type: Check all that apply.

Definition: Indicates whether the team knows of any decedent involvement with the criminal justice system.

Guidance: Community supervision includes probation and parole

- Incarceration includes juvenile detention, jail, and prison
- Post-adjudication programs include post-conviction or post-plea interventions, which may or may not include a specialty court such as drug court, mental health court, veteran's treatment court, treatment court, etc.

- Pre-arrest/pre-charge diversion programs include connecting individuals to treatment/services or supervision rather than arresting or charging

Reference: None

14.1a) Specify "Other"

Variable: cj_history_othr

Question type: Text entry

Definition: Indicates other type of criminal justice history.

Guidance: None

Reference: None

14.2) Over the decedent's life, number of known arrests

Variable: arrest_number

Question type: Text entry

Definition: Indicates the total number of known arrests for the decedent.

Guidance: Range 1–100

Reference: None

14.2a) Age (in years) at first known arrest

Variable: arrest_age

Question type: Text entry

Definition: Indicates how old the decedent was at his or her first known arrest.

Guidance: Range 1–120 years. Enter 999 for unknown.

Reference: None

14.2b) What was the first known arrest offense?

Variable: arrest_reason

Question type: Select one

Definition: Indicates the primary/most serious offense for the first known arrest.

Guidance: Status offense is a noncriminal act that is considered a violation or illegal because of the individual's age (for example, running away).

Reference: None

14.2c) Specify "Other"

Variable: arrest_reason_othr

Question type: Text entry

Definition: Indicates other type of arrest offense.

Guidance: None

Reference: None

14.2d) Over the decedent's life, number of known arrests that included a drug-related charge

Variable: drug_arrest_number

Question type: Text entry

Definition: Indicates the total number of known drug-related arrests the decedent had.

Guidance: Range 1–100

Reference: None

14.2e) Date of *most recent* known arrest

Variable: arrest_recent_date

Question type: Text entry

Definition: Indicates the date of the most recent known arrest.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

14.2f) If exact date is unknown, enter approximate date of the *most recent* known arrest

Variable: arrest_recent_app

Question type: Text entry

Definition: Approximate date of most recent known arrest.

Guidance: Enter the approximate date (e.g., June 2020)

Reference: None

14.3) Over the decedent's life, number of known episodes of community supervision

Variable: supervision_number

Question type: Text entry (integer)

Definition: Indicates the total number of known episodes of community supervision the decedent had. Community service includes probation and parole.

Guidance: Range 1–100

Reference: None

14.3a) Over the decedent's life, *total* known time (in months) under community supervision

Variable: supervision_time

Question type: Text entry (integer)

Definition: Indicates the total known time (in months) the decedent was under community supervision throughout his or her life.

Guidance: Range 1–998

Reference: None

14.3b) Age (in years) when placed on *first* known community supervision

Variable: supervision_age

Question type: Text entry (integer)

Definition: Indicates how old the decedent was when placed on his or her first known community supervision.

Guidance: Range 1–120

14.3c) Was the decedent known to have received any of these services while under community supervision?

Variable: supervision_services

Question type: Check all that apply.

Definition: Indicates services the decedent received for any community supervision throughout his or her life, not just the most recent.

Guidance: None

Reference: None

14.3d) Specify "Other"

Variable: supervision_services_othr

Question type: Text entry

Definition: Specifies other service decedent received for any community supervision throughout his or her life.

Guidance: None

Reference: None

14.3e) At the time of the overdose incident, was the decedent under community supervision?

Variable: supervision_od

Question type: Select only one.

Definition: Indicates whether the decedent was under community supervision at the time of the overdose incident. This includes probation and parole.

Guidance: None

Reference: None

14.3f) Date of initiation for *most recent* known community supervision

Variable: supervision_date

Question type: Text entry.

Definition: Indicates the date of initiation for the decedent's most recent known community supervision.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

14.3g) If exact date is unknown, enter approximate date of initiation for *most recent* known community supervision

Variable: supervision_date_app

Question type: Text entry

Definition: Approximate date of initiation for most recent known community supervision.

Guidance: Enter the approximate date (e.g., June 2020)

Reference: None

14.4) Over the decedent's life, number of known incarcerations

Variable: incarceration_number

Question type: Text entry (integer)

Definition: Indicates the total number of known incarcerations the decedent had.

Guidance: Range 1–120. Incarceration includes juvenile detention, jail, and prison.

Reference: None

14.4a) Age (in years) at *first* known incarceration

Variable: incarceration_age

Question type: Text entry (integer)

Definition: Indicates how old the decedent was at his or her first known incarceration.

Guidance: Range 1–120. Incarceration includes juvenile detention, jail, and prison.

Reference: None

14.4b) Was the decedent known to have received any of these services while incarcerated?

Variable: incarceration_services

Question type: Check all that apply.

Definition: Indicates services the decedent received for any incarceration, not just the most recent incarceration.

Guidance: None

Reference: None

14.4c) At the time of the overdose incident, was the decedent incarcerated?

Variable: incarceration_od

Question type: Select only one.

Definition: Indicates whether the decedent was incarcerated at the time of the overdose incident.

Guidance: Incarceration includes juvenile detention, jail, and prison.

Reference: None

14.4d) Type of facility

Variable: incarceration_facility

Question type: Select only one.

Definition: Indicates in what type of facility the decedent was incarcerated at the time of the overdose.

Guidance: None

Reference: None

14.4e) Specify "Other"

Variable: incarceration_facility_othr

Question type: Text entry

Definition: Specifies other type of facility the decedent was incarcerated at the time of the overdose.

Guidance: None

Reference: None

14.4f) Date of entry for *most recent* known incarceration

Variable: entry_date

Question type: Text entry

Definition: Indicates the date of entry for the most recent known incarceration.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

14.4g) If exact date is unknown, enter approximate date of entry of *most recent* known incarceration

Variable: entry_date_app

Question type: Text entry

Definition: Approximate date of most entry of recent known incarceration.

Guidance: Enter the approximate date (e.g., June 2020).

14.4h) Date of release for *most recent* known incarceration

Variable: release_date

Question type: Text entry

Definition: Indicates the date of release for the most recent known incarceration.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

14.4i) If exact date is unknown, enter approximate date of release of *most recent* known incarceration

Variable: release_date_app

Question type: Text entry

Definition: Approximate date of release of most recent known incarceration.

Guidance: Enter the approximate date (e.g., June 2020).

14.5) Date of entry for *most recent* known post-adjudication program and/or specialty courts

Variable: spec_court_date

Question type: Text entry

Definition: Indicates the date of the decedent's most recent known date of entry in a post-adjudication program and/or specialty court. Post-adjudication programs include post-conviction or

post-plea interventions, which may or may not include specialty court. Specialty courts include courts such as drug court, mental health court, veteran's treatment court, treatment court, etc.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

14.5a) If exact date is unknown, enter approximate date of entry for *most recent* known post-adjudication program and/or specialty courts

Variable: spec_court_date_app

Question type: Text entry

Definition: Approximate date of entry for most recent known post-adjudication program and/or specialty courts.

Guidance: Enter the approximate date (e.g., June 2020).

Reference: None

14.5b) For the most recent post-adjudication program and/or specialty court, please specify the type of program or court.

Variable: spec_court_type

Question type: Check all that apply.

Definition: Indicates the decedent's most recent type of post-adjudication program and/or specialty court. Post-adjudication programs include post-conviction or post-plea interventions, which may or may not include specialty court. Specialty courts include courts such as drug court, mental health court, veteran's treatment court, treatment court, etc.

Guidance: None

Reference: None

14.5b) Specify "Other"

Variable: spec_court_type_othr

Question type: Text entry

Definition: Specifies other type of program or court.

Guidance: None

Reference: None

14.5c) Did the decedent complete the requirements for the most recent post-adjudication program and/or specialty court?

Variable: spec_court_requirements

Question type: Select only one.

Definition: Indicates whether the decedent completed post-adjudication program and/or specialty court requirements. Post-adjudication programs include post-conviction or post-plea interventions, which may or may not include specialty court. Specialty courts include courts such as drug court, mental health court, veteran's treatment court, treatment court, etc.

Guidance: None

Reference: None

14.5d) Why did the decedent not complete post-adjudication program and/or specialty court requirements?

Variable: spec_court_why_not

Question type: Check all that apply.

Definition: Indicates the reasons the decedent did not complete post-adjudication program and/or specialty court requirements. Post-adjudication programs include post-conviction or post-plea interventions, which may or may not include specialty court. Specialty courts include courts such as drug court, mental health court, veteran's treatment court, treatment court, etc.

Guidance: Abscondment means that a failure to surrender for custody at the appointed time.

Reference: None

14.5e) Specify "Other"

Variable: spec_court_why_not_othr

Question type: Text entry

Definition: Specifies other reason the decedent did not complete post-adjudication program and/or specialty court requirements.

Guidance: None

Reference: None

14.6) Date of *most recent* known pre-arrest/pre-charge diversion

Variable: pre_arrest_date

Question type: Text entry

Definition: Indicates the date of the decedent's most recent known pre-arrest/pre-charge diversion. Pre-arrest/pre-charge diversion programs include connecting individuals to treatment/services or supervision rather than arresting or charging.

Guidance: You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6"). Enter 09-09-9999 if exact date is unknown.

Reference: None

14.6a) If exact date is unknown, enter approximate date of *most recent* known pre-arrest/pre-charge diversion

Variable: pre_arrest_date_app

Question type: Text entry

Definition: Enter the approximate date (e.g., June 2020).

Guidance: None

Reference: None

14.7) In the 14 days prior to death, did the decedent have any of the following known interactions with the criminal justice system?

Variable: cj_dec_stressors

Question type: Check all that apply.

Definition: Indicates whether the decedent experienced any interactions with the criminal justice system in the 14 days prior to death.

Guidance: None

Reference: None

14.7a) Specify "Other"

Variable: cj_dec_stressors

Question type: Text entry

Definition: Specifies the other interaction the decedent had with the criminal justice system in the 14 days prior to death.

Guidance: None

Reference: None

14.7b) In the 14 days prior to death, did the decedent's partner have any of the following known interactions with the criminal justice system?

Variable: cj_part_stressors

Question type: Check all that apply.

Definition: Indicates whether the decedent's partner experienced any interactions with the criminal justice system in the 14 days prior to decedent's death.

Guidance: None

Reference: None

14.7c) Specify "Other"

Variable: cj_part_stressors

Question type: Text entry

Definition: Specifies the other interaction the decedent's partner had with the criminal justice system in the 14 days prior to decedent's death.

Guidance: None

Reference: None

14.7d) In the 14 days prior to death, did the decedent's child have any of the following known interactions with the criminal justice system?

Variable: cj_child_stressors

Question type: Check all that apply.

Definition: Indicates whether the decedent's child experienced any interactions with the criminal justice system in the 14 days prior to decedent's death.

Guidance: None

Reference: None

14.7e) Specify "Other"

Variable: cj_child_stressors

Question type: Text entry

Definition: Specifies the other interaction the decedent's child had with the criminal justice system in the 14 days prior to decedent's death.

Guidance: None

Reference: None

15. Social Service History

15.1) Did the decedent have a known history of receiving any of these social services?

Variable: ss_history

Question type: Check all that apply.

Definition: Indicates the decedent's known history receiving social services.

Guidance: None

Reference: Federal government benefits, https://www.usa.gov/benefits

15.1a) Specify "Other"

Variable: ss_history_othr

Question type: Text entry

Definition: Specifies other social service decedent had a known history of receiving.

Guidance: None

Reference: None

15.2) At the time of death, was it known that the decedent was receiving any of these social services?

Variable: social_service

Question type: Check all that apply.

Definition: Indicates social service benefits the decedent was known to be receiving at the time of his or her death.

Guidance: None

Reference: Federal government benefits, https://www.usa.gov/benefits

15.2a) Specify "Other"

Variable: social_service_othr

Definition: Specifies other social service decedent was known to be receiving at the time of his or her death.

Guidance: None

Reference: None

15.3) Did the decedent have a known history of having his/her children removed from their home by child protective services?

Variable: cps_history

Question type: Select only one.

Definition: Indicates whether the decedent was known to have his/her children removed from their home by child protective services.

Guidance: None

Reference: None

15.3a) Where was/were the child or children placed?

Variable: cps_placement

Question type: Check all that apply.

Definition: Indicates where the child was placed.

Guidance: None

Reference: None

15.3b) Specify "Other"

Variable: cps_placement_othr

Definition: Specifies other placement of child.

Guidance: None

Reference: None

15.4) At the time of death, was there a known open child protective services case involving the decedent as a potential perpetrator?

Variable: cps_perpetrator

Question type: Select only one.

Definition: Indicates whether the decedent had a known child protective case as a potential perpetrator at the time of death.

Guidance: None

Reference: None

15.4a) Were the child protective services allegations substance-use-related?

Variable: cps_perpetrator_su

Question type: Select only one.

Definition: Indicates whether child protective services allegations were substance-use-related.

Guidance: None

Reference: None

15.5) At the time of death, was there a known open child protective services case involving the decedent as a victim?

Variable: cps_victim

Question type: Select only one.

Definition: Indicates whether the decedent had a known child protective services case as a victim at the time of death.

Guidance: None

Reference: None

15.5a) Were the child protective services allegations substance-use-related?

Variable: cps_victim_su

Question type: Select only one.

Definition: Indicates whether child protective services allegations were substance-use-related.

Guidance: None

Reference: None

15.6) As a child, was the decedent ever known to be removed from his or her home?

Variable: home_removal

Question type: Select only one.

Definition: Indicates whether the decedent was ever known to be removed from his or her home.

Guidance: None

Reference: None

15.7) In the 14 days prior to death, did the decedent have any known child protective services-related stressors?

Variable: cps_stressors

Question type: Check all that apply.

Definition: Indicates whether the decedent experienced any child protective services-related stressors in the 14 days prior to death.

Guidance: None

Reference: None

16. Education History

16.1) Did the decedent have any known history of problems at school?

Variable: education_history

Question type: Check all that apply.

Definition: Indicates whether there is a known or documented history of performance or behavior issues at school.

Guidance: Regardless of age, whether an individual was known to have significant problems at school with performance and/or behavior.

Reference: None

16.2) In the 14 days prior to death, did the decedent have any known education-related stressors?

Variable: education_stressors

Question type: Check all that apply.

Definition: Identifies possible life stressors that were school- or education-related in the 14 days before death.

Guidance: Indicates what type of school stressor was experienced 14 days prior to death.

Reference: None

17. Recommendations

Questions 175–178 capture any initial recommendations that were identified when reviewing the case. Each recommendation concept identified for each case should be captured separately. The section allows for looping through questions for each recommendation (up to five recommendations).

This section is different from the Recommendation Monitoring module, in which the recommendation will be drafted, revised, and monitored in detail over time after multiple cases have been reviewed.

17.1) Did the review of the case identify any recommendations?

Variable: recommend_identified

Question type: Select only one.

Definition: Indicates whether any recommendations were identified from the case review.

Guidance: Recommendation does not need to be fully formalized or identified to select “yes.”

Reference: None

17.2) Provide a brief description of the initial recommendation identified

Variable: recommend_1 (if more than one: recommend_2, recommend_3, recommend_4, and recommend_5)

Question type: Text entry

Definition: Brief summary of initial recommendation identified. Limit to 280 characters.

Guidance: Initial recommendation idea captured in 280 characters or fewer.

The following should not be included:

- Personal identifying information such as names of towns, streets, people, providers, law enforcement departments, hospitals, businesses, etc.
- Specific dates
- Abbreviations
- Incomplete sentences (they are hard to understand)

Reference: None

17.3) What types of recommendation strategies were identified?

Variable: recommend_strategy_1 (if more than one: recommend_strategy_2, recommend_strategy_3, recommend_strategy_4, recommend_strategy_5)

Question type: Check all that apply.

Definition: Indicates for each recommendation the strategy(strategies) or focus area(s).

Guidance: Check all that apply to best describe the recommendation.

Reference: None

17.3a) Specify "Other"

Variable: recommend_strat_1_othr (if more than one: recommend_strat_2_othr, recommend_strat_3_othr, recommend_strat_4_othr, recommend_strat_5_othr)

Question type: Text entry

Definition: Specify other recommendation strategy identified.

Guidance: None

Reference: None

17.4) Jurisdictional levels responsible for implementing the recommendation

Variable: recommend_jurisdiction_1 (if more than one: recommend_jurisdiction_2, recommend_jurisdiction_3, recommend_jurisdiction_4, recommend_jurisdiction_5)

Question type: Check all that apply.

Definition: Identify the level of jurisdiction responsible for implementing each recommendation.

Complete recommend_jurisdiction_1 for recommend_strategy_1, recommend_jurisdiction_2 for recommend_strategy_2, and so on until recommend_jurisdiction_5 for recommend_strategy_1.

Guidance: Each type of recommendation must be implemented at different jurisdiction levels.

Reference: None

17.5) Did this case generate another recommendation?

Variable: recommend_another (if more than one: recommend_another_2, recommend_another_3, recommend_another_4)

Question type: Select only one.

Definition: Indicates whether another recommendation was identified.

Guidance: Recommendation does not need to be fully formalized or identified to select "yes."

Reference: None

18. Case-Specific Community Context

Questions 179–197: Based on the defined community geographical scope, provides context about the community in which the individual lived.

The measures in this section are subjective in nature. They rely on the Overdose Fatality Review team members' awareness of the community to determine the degree to which they agree with the responses offered. Some measures provide only "yes" or "no" categories. If OFR team members are unsure, they should select "no." Other measures are based on a three-point Likert scale.

The community is defined based on where the decedent lived and how specific the OFR team decides to be when defining the community (county, city, neighborhood, ZIP code); see question 178.

18.1) State in which the decedent lived

Variable: community_state

Question type: Select only one.

Definition: Indicates the state in which the decedent lived.

Guidance: Provides geographical context for the community in which the decedent lived.

Reference: None

18.1a) Indicate the level of community for which the community context questions will be answered

Variable: comm_level

Definition: Indicates at what community level the community context variables are completed.

Guidance: Provides geographical context for the community in which the decedent lived. Determine which community context most closely represents the community in which the decedent lived.

Reference: None

18.1b) County in which the decedent lived

Variable: community_county_*xx*

Question type: Select only one.

Definition: Indicates the county in which the decedent lived.

Guidance: Provides geographical context for the community in which the decedent lived.

Reference: None

18.1c) City in which decedent lived

Variable: community_city

Question type: Text entry

Definition: Indicates the city in which the decedent lived.

Guidance: Provides geographical context for the community in which the decedent lived.

Reference: None

18.1d) Neighborhood in which the decedent lived

Variable: community_neighborhood

Question type: Text entry

Definition: Indicates the neighborhood in which the decedent lived.

Guidance: Provides geographical context for the community in which the decedent lived. This level may be utilized if the decedent is from a distinct neighborhood in a large metropolitan city.

Reference: None

18.1e) ZIP code in which the decedent lived

Variable: community_zip

Question type: Text entry (zipcode)

Definition: Indicates the ZIP code in which the decedent lived.

Guidance: Provides geographical context for the community in which the decedent lived.

Reference: None

18.2) Does the community have access to and monitor multiple data sources to guide prevention and intervention planning strategies?

Variable: multiple_data

Question type: Select only one.

Definition: Communities that use multiple data sources to understand and develop prevention and intervention strategies are more likely to be successful in targeting their activities.

Guidance: Indicates whether the community actively uses and analyzes data from multiple data sources to help guide the planning and implementation of prevention and intervention strategies.

Reference: None

18.3) Does the community have a targeted naloxone distribution program?

Variable: naloxone_distribution

Question type: Select only one.

Definition: Targeted distribution programs seek to train and equip individuals who are most likely to encounter or witness an overdose—especially people who use drugs and first responders—with naloxone kits—which they can use in an emergency to save a life.

Guidance: There are many different approaches to distributing naloxone to people at high risk of experiencing or witnessing an overdose. Effective approaches include community distribution programs, co-prescription of naloxone, and equipping first responders.

Reference: Evidence-Based Strategies for Preventing Opioid Overdose: What's Working in the United States, https://www.cdc.gov/drugoverdose/pdf/pubs/2018-evidence-based-strategies.pdf

18.4) Does the community have a coordinated rapid response team/plan to respond to spikes in overdoses, overdose-related events, or emerging drug trends?

Variable: response_plan

Question type: Select only one.

Definition: Having a rapid response plan to respond to a spike in overdoses can be helpful in preventing future overdose deaths.

Guidance: Indicates whether the community has a known coordinated response.

Reference: None

18.5) Is the community considered a high-density-use and/or high-density-overdose area?

Variable: high_density

Question type: Select only one.

Definition: Some communities or areas have higher overdose rates or use than others.

Guidance: Indicates whether the area where the overdose death occurred is in an already defined high-risk/-rate or high-use area.

Reference: None

18.6) To what extent is MAT (medication-assisted treatment) available in the community?

Variable: mat_available

Question type: Select only one.

Definition: Medication-assisted treatment (MAT) is a proven pharmacological treatment for opioid use disorder. The backbone of this treatment is made up of U.S. Food and Drug Administration (FDA)-approved medications. The agonist drugs methadone and buprenorphine activate opioid receptors in the brain, preventing painful opioid withdrawal symptoms without causing euphoria; naltrexone blocks the effects of opioids. MAT is effective at reducing use and helping people to lead normal lives.

Guidance: Indicates whether MAT is unavailable, whether some is available or limited, or whether it is adequately available in the community.

Medication-assisted treatment includes three FDA-approved medications for opioid use disorder: methadone, buprenorphine, and naltrexone.

According to the U.S. Centers for Disease Control and Prevention (CDC), MAT works best when:

- It is combined with ancillary treatment strategies such as counseling and social support with fixed, safe, and predictable doses of medications.
- Public awareness of MAT as an effective medical intervention is promoted by local leadership. This helps to reduce stigma against MAT that discourages people from seeking this form of care.
- Entry into treatment is voluntary. Compulsory treatment programs through legal and social welfare systems are less effective than voluntary treatment.
- Patients have access to a variety of medication options. All patients are different, and treatment is best when individualized. Some people fare significantly better on buprenorphine than on methadone, and vice versa. Some may need to try several treatment options before discovering what works best, and some may not have access to all MAT medications.
- The challenges of receiving MAT are understood and mitigated. Many individuals face hurdles in receiving approval for MAT from their health insurance providers. Many methadone clinics require patients to attend daily to receive treatment. This can mean long, burdensome commutes at odd hours, which can conflict with professional, familial, or care-giving responsibilities. Those who live in rural areas, for example, may have to drive hours to receive care. Treatment is more successful when these obstacles are not placed in the way.

Reference: Evidence-Based Strategies for Preventing Opioid Overdose: What's Working in the United States, https://www.cdc.gov/drugoverdose/pdf/pubs/2018-evidence-based-strategies.pdf

18.7) To what extent is MAT (medication-assisted treatment) available to individuals upon release from jails or pre-trial detention?

Variable: mat_cj

Question type: Select only one.

Definition: Identifies the level of MAT available to individuals upon release from jails or pre-trial detention. MAT should be made available as a standard of care for incarcerated individuals with opioid use disorder.

Those receiving MAT when they enter criminal justice settings may continue receiving this treatment, and those who are not on treatment may initiate and continue this form of care while incarcerated and then be linked with appropriate care providers to continue MAT upon release.

Guidance: Indicates whether MAT is unavailable, whether some is available or limited, or whether it is adequately available to individuals upon release from jails or pre-trail detention.

Medication-assisted treatment includes three FDA-approved medications for opioid use disorder: methadone, buprenorphine, and naltrexone.

According to the U.S. Centers for Disease Control and Prevention (CDC), MAT in criminal justice settings works best when:

- MAT is uninterrupted for those who were receiving care prior to incarceration. MAT can be initiated in criminal justice settings.
- Individuals have access to all available forms of MAT medication. This choice is essential, since some individuals fare much better (or worse) on one of these drugs than on others.
- An effective system for referral and linkage to care is in place so that individuals on MAT can receive a "warm handoff" to providers who are able to continue their care upon release. Otherwise, recently released individuals are forced to choose between enduring painful opioid withdrawal and quickly finding another source of opioids. The quickest and easiest sources of opioids are illicit ones.

Reference: Evidence-Based Strategies for Preventing Opioid Overdose: What's Working in the United States, https://www.cdc.gov/drugoverdose/pdf/pubs/2018-evidence-based-strategies.pdf

18.8) To what extent is buprenorphine-based MAT (medication-assisted treatment) initiated in local emergency departments?

Variable: mat_ed

Question type: Select only one.

Definition: Identifies the extent to which buprenorphine-based MAT is initiated in local emergency departments.

Patients receiving care in emergency departments who have untreated opioid use disorder are referred to a provider for long-term buprenorphine-based MAT. This referral is accompanied by initial doses of buprenorphine or a short-term prescription that can be filled right away. The patient can begin treatment immediately, instead of waiting several days for his or her appointment with a new provider.

Guidance: Indicates whether there is no buprenorphine-based MAT initiated, whether initiated in some EDs, or whether adequately initiated in area emergency departments.

According to the U.S. Centers for Disease Control and Prevention (CDC), there is no broadly accepted best practice for initiating patients into buprenorphine-based MAT in an emergency department. This intervention is very new, and researchers are still studying how best to serve patients' needs and assist them in engaging with care. Patients who are initiated in the emergency department are very likely there because they have experienced overdose crises. It can be expected that such experiences may change the meaning of treatment for these patients, and the value of treatment may change in an inconsistent or counterintuitive way over time.

What we do know, however, is that each instance of engagement in MAT, even if the patient eventually drops out of care, predicts higher success the next time treatment is sought. Furthermore, providing "bridging" doses of MAT medications to individuals seeking treatment greatly improves patient engagement in MAT care during treatment initiation—a key moment for those with opioid use disorder, when maintaining trust and stability is of utmost importance.

Reference: Evidence-Based Strategies for Preventing Opioid Overdose: What's Working in the United States, https://www.cdc.gov/drugoverdose/pdf/pubs/2018-evidence-based-strategies.pdf

18.9) To what extent are syringe service programs available in the community?

Variable: syringe_service

Question type: Select only one.

Definition: Identifies the extent to which syringe services are available in the community.

Sometimes called "needle exchange" or "syringe exchange," syringe services programs provide access to clean and sterile equipment used for the preparation and consumption of drugs as well as tools for the prevention and reversal of opioid overdose, such as naloxone training and distribution, fentanyl testing strips, and more. Comprehensive syringe services programs also provide additional social and medical services, such as safe disposal of syringes and needles; testing for HIV and hepatitis C infection and linkage to treatment; education about overdose and safer injection practices; referral and access to drug treatment programs, including MAT; tools to prevent HIV and other infectious disease, such as condoms, counseling, or vaccinations; and linkage to medical, mental health, and social services.

Guidance: Indicates whether syringe service is unavailable, whether some is available and limited, or whether it is adequately available in the community.

According to the U.S. Centers for Disease Control and Prevention (CDC), syringe services programs work best when:

- They provide an adequate supply of sterile syringes. Limiting the number of syringes an individual may receive reduces the effectiveness of the intervention. Programs with one-for-one exchange policies, for example, allow participants only as many syringes as the number of used syringes they return, thus undercutting the program's effectiveness. When no limits are set on the number of syringes distributed, participants are more likely to have clean syringes on hand when they need them, and they can provide syringes to many more people than can attend the program themselves, thus multiplying the program's effectiveness. This also increases participants' incentive to visit the program and interact with staff members and counselors.

- The needs and concerns specific to the local drug-using community are addressed and accommodated by the program.
- Program participants who are seeking treatment for opioid use disorder or for other physical or mental health concerns are offered assistance in accessing appropriate care.

Reference: Evidence-Based Strategies for Preventing Opioid Overdose: What's Working in the United States, https://www.cdc.gov/drugoverdose/pdf/pubs/2018-evidence-based-strategies.pdf

18.10) To what extent is wraparound follow-up care available after a nonfatal overdose?

Variable: follow_up

Question type: Select only one.

Definition: Follow-up services after a nonfatal overdose death can link individuals to care and prevent future overdoses and death.

Guidance: Indicates whether follow-up service is unavailable, whether some is available and limited, or whether it is adequately available in the community to those who have experienced a nonfatal overdose.

Reference: None

18.11) To what extent is naloxone available among substance use disorder treatment providers?

Variable: naloxone_sud

Question type: Select only one.

Definition: Naloxone distribution in treatment facilities (both inpatient and outpatient) targets individuals who are about to cease treatment to receive overdose response training and naloxone kits prior to their exit from those programs or facilities.

Guidance:

According to the U.S. Centers for Disease Control and Prevention (CDC), naloxone distribution in treatment centers works best when:

- Coverage of these distribution programs is universal, providing all individuals leaving treatment with the opportunity to be trained and receive naloxone kits. This is preferable to opt-in programs that require inmates to request special services to receive naloxone.
- Training is provided in a way that refrains from making negative judgments about drug use and focuses instead on the importance of every person's safety and well-being, even in the context of drug use.

- Close contacts of each individual (family, partners, and children) are also trained in naloxone administration and overdose response.
- Naloxone distribution in treatment centers works best when there is certainty in the supply chain and in funding. In treatment settings, an individual's insurance can cover the cost of naloxone.

Reference: Evidence-Based Strategies for Preventing Opioid Overdose: What's Working in the United States, https://www.cdc.gov/drugoverdose/pdf/pubs/2018-evidence-based-strategies.pdf

18.12) To what extent is naloxone available in criminal justice facilities (for example, courts, jails, and probation)?

Variable: naloxone_cj

Question type: Select only one.

Definition: Naloxone distribution in criminal justice facilities targets individuals who are about to be released from supervision to receive overdose response training and naloxone kits prior to their exit from those programs or facilities.

Guidance:

According to the U.S. Centers for Disease Control and Prevention (CDC), naloxone distribution in treatment centers works best when:

- Coverage of these distribution programs is universal, providing all individuals leaving criminal justice settings with the opportunity to be trained and receive naloxone kits. This is preferable to opt-in programs that require inmates to request special services to receive naloxone.
- Training is provided in a way that refrains from making negative judgments about drug use and focuses instead on the importance of every person's safety and well-being, even in the context of drug use.
- Close contacts of each individual (family, partners, and children) are also trained in naloxone administration and overdose response.
- Naloxone distribution in criminal justice settings works best when there is certainty in the supply chain and in funding. In treatment settings, an individual's insurance can cover the cost of naloxone.

Reference: Evidence-Based Strategies for Preventing Opioid Overdose: What's Working in the United States, https://www.cdc.gov/drugoverdose/pdf/pubs/2018-evidence-based-strategies.pdf

18.13) To what extent is naloxone available and used by law enforcement and other first responders?

Variable: naloxone_le

Question type: Select only one.

Definition: Indicates the frequency of use of naloxone by local law enforcement and first responders.

Guidance: Indicates the level of naloxone use by local law enforcement and first responders.

Reference: None

18.14) In the three months prior to the death, were there any significant overdose prevention-related policy changes in the community?

Variable: policy_changes

Question type: Select only one.

Definition: Overdose prevention-related policy changes may include:

- Increasing and maximizing use of prescription drug monitoring programs
- Changing prescribing practices related to pain management
- Detecting and addressing inappropriate prescribing or opioid pain relievers
- Increasing access to substance use disorder treatment services, including medication-assisted treatment (MAT) for opioid addiction
- Expanding first responder access to naloxone

Guidance: If, three months prior to the overdose death, there was a significant change in any overdose prevention-related policies in the community, select “yes.”

Reference: Opioid Overdose Promising State Strategies, https://www.cdc.gov/drugoverdose/policy/index.html

18.15) In the three months prior to the death, were there any significant overdose prevention-related funds awarded to the community?

Variable: prevention_funds

Question type: Select only one.

Definition: Indicates whether there was an increase in prevention funding in the community.

Guidance: Captures an increase in funding for community overdose prevention activities, such as naloxone distribution, treatment, transportation to and from treatment, awareness campaigns, coalition building, data analysis, etc.

Reference: None

18.16) In the three months prior to the death, were there any significant overdose prevention-related funds lost to the community?

Variable: prevention_funds_lost

Question type: Select only one.

Definition: Indicates whether there was a decrease in prevention funding in the community.

Guidance: Captures a decrease in funding for community overdose prevention activities, such as naloxone distribution, treatment, transportation to and from treatment, awareness campaigns, coalition building, data analysis, etc.

Reference: None

18.17) In the three months prior to the death, were there any changes in elected officials in the community?

Variable: elected_officials

Question type: Select only one.

Definition: Indicates whether there were local-level elected leadership changes.

Guidance: Political leaders can set the tone for local prevention efforts and priorities.

Reference: None

18.18) In the 14 days prior to the death, were there any high-profile overdoses in the community?

Variable: high_profile_od

Question type: Select only one.

Definition: Indicates whether there were any high-profile overdoses in the community.

Guidance: A high-profile overdose may be fatal or nonfatal and may include events such as a death by a political or prominent individual in the community, a public overdose death with a lot of media coverage, etc.

Reference: None

18.19) Was the death possibly connected or related to a contaminated/tainted batch or a community spike in overdoses?

Variable: od_batch_spike

Question type: Select only one.

Definition: Indicates whether this overdose death was likely related to a contaminated/tainted batch or a significant community spike in overdoses.

Guidance: If the death was around the time of an identified spike in cases, for example, identified by ODMAP platform, or if there was a known batch of contaminated/tainted substance in the community, select "yes."

Reference: ODMAP, www.odmap.org

19. Site-Specific Variables

This section includes variables that will be stored locally and not be uploaded to a national database to protect personal health information. In addition, space is available for up to 15 (fifteen) site-specific variables/data elements that OFR sites want to capture.

19.1 – 19.15) Site-specific data elements

Sites may generate their own variables. Sites will want to develop guidance for each of these variables using the following fields:

- Variable
- Skip logic
- Definition
- Guidance
- Reference

20. Narrative Section

This section allows for de-identified data summarizing the case to be stored.

Variable: narrative

Question type: Text entry (250-word limit)

Definition: Narrative accounts of the incident serve multiple purposes:

- Briefly summarize the incident (who, what, when, where, and why).

- Provide supporting information on circumstances that the abstractor has endorsed in an incident.
- Provide the context for understanding the incident.
- Record information and additional detail that cannot be captured elsewhere.
- Facilitate data quality control checks on the coding of key variables.

Guidance:

The narrative summarizes the overdose fatality review findings. Throughout, refer to the decedent as "decedent." At a minimum, the following should be included in all narratives:

- Where the overdose occurred (or the decedent was found)—not a specific place or address, but a description such as "at home," "at work," or "on the street," such as listed in the "Type of location where overdose" data element
- Additional detail on all circumstances coded in the data source tab
- Timing of circumstances (e.g., released from jail immediately prior to the overdose)
- A description of other circumstances not captured in standardized coding
- The following should not be included in any narratives:
- Personal identifying information such as names of people, towns, streets, law enforcement departments, and hospitals
- Specific dates
- Abbreviations
- Incomplete sentences (since they are hard to understand)

Reference: NVDRS, 1.5 Incident Narrative CME and 1.6 Incident Narrative LE (NarrativeCME and NarrativeLE) – Modified

Overdose Fatality Review Case Information

A. County Profile

1A) Case-unique identifier (REDCap generated)

Variable: record_id

Question type: Automatically generated by REDCap

Definition: REDCap will generate a unique case ID.

Guidance: None

Reference: None

2A) State in which OFR team is located

Variable: countyprofilestate

Question type: Select only one.

Definition: Indicates the state to which the county profile refers, also known as residence_state in the Overdose Fatality Review Data Instrument.

Guidance: This helps link the correct county profile for the case. County profile and case record will be linked based on state and county.

Reference: None

3A) County

Variable: countyprofile_*xx*

Question type: Select only one.

Definition: Indicates the county to which the county profile refers, also known as residence_county in the Overdose Fatality Review Data Instrument.

Guidance: This helps link the correct county profile for the case. County profile and case record will be linked based on state and county.

Reference: None

4A) Date county profile updated

Variable: countyprofiledate

Question type: Date entry

Definition: Indicates the date the profile was entered. The sources for the data are updated periodically.

Guidance: Document the date the profile is updated.

Reference: None

5A) ODMPAP use

Variable: countyodmap

Question type: Select only one.

Definition: Indicates the level of ODMAP reporting at the county level.

Guidance: Visit www.odmap.org and scroll down to the section on participating agencies. Select state and county.

Reference: Overdose Detection Mapping Application Program, www.ODMAP.org

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County Health Rankings

Variables 6A) – 26A)

These variables "are based on a model of population health that emphasizes the many factors that, if improved, can help make communities healthier places to live, learn, work and play. By ranking the health of nearly every county in the nation, the County Health Rankings help communities understand what influences how healthy residents are and how long they will live." Source: https://www.countyhealthrankings.org/

By searching the county health rankings website for the county, you can find the value for the following measures.

6A) Percent rural

Variable: countyrural

Question type: Text entry

Definition: Percentage of county population living in rural areas. Demographic variables are included as additional measures, since they provide background for understanding ranked measures while remaining relatively stable year to year.

Guidance: Enter the number without the % symbol. Percent Rural measures the percentage of the population that lives in a rural area.

Reference: County Demographics (at the top of the county Health Outcomes table)

https://www.countyhealthrankings.org/

7A) Life expectancy

Variable: countylifeexpectancy

Question type: Text entry

Definition: Average number of years a person can expect to live. Life expectancy is a common and important population health outcome measure and can be easier to interpret than other mortality measures.

Guidance: Enter the number with one decimal place. Life Expectancy measures the average number of years from birth a person can expect to live, according to the current mortality experience (age-specific death rates) of the population. Life Expectancy accounts for the number of deaths in a given time period and the average number of people at risk of dying during that period, allowing us to compare data across counties with different population sizes.

https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-outcomes/length-of-life/life-expectancy

Reference: Health Outcomes, Length of Life (click on “Additional Health Outcomes”)
https://www.countyhealthrankings.org/

8A) Frequent physical distress (percent)

Variable: countyphysicaldistress

Question type: Text entry

Definition: Percentage of adults reporting 14 or more days of poor physical health per month. Frequent physical distress is a corollary measure to poor physical health days. It provides a slightly different picture that emphasizes those who are experiencing more chronic, and likely severe, physical health issues.

Guidance: Enter the number without the % symbol. Frequent Physical Distress is the percentage of adults who reported 14 or more days in response to the question, “Thinking about your

physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?"

https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-outcomes/quality-of-life/frequent-physical-distress

Reference: Quality of Life, Quality of Life (click on "Additional Health Outcomes")
https://www.countyhealthrankings.org/

9A) Frequent mental distress (percent)

Variable: countymentaldistress

Question type: Text entry

Definition: Percentage of adults reporting 14 or more days of poor mental health per month. Frequent mental distress is a corollary measure to poor mental health days. It provides a slightly different picture that emphasizes those who are experiencing more chronic, and likely severe, mental health issues.

Guidance: Enter the number without the % symbol. Frequent Mental Distress is the percentage of adults who reported 14 or more days in response to the question, "Now, thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?"

https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-outcomes/quality-of-life/frequent-mental-distress

Reference: Quality of Life, Quality of Life (click on "Additional Health Outcomes")
https://www.countyhealthrankings.org/

10A) Food insecurity (percent)

Variable: countyfoodinsecurity

Question type: Text entry

Definition: Percentage of the population that lacks adequate access to food. Lacking consistent access to food is related to negative health outcomes such as weight gain and premature mortality. In addition to asking about having a constant food supply in the past year, the measure addresses the ability of individuals and families to provide balanced meals, including fruits and vegetables, further addressing barriers to healthy eating.

Guidance: Enter the number without the % symbol. Food Insecurity estimates the percentage of the population that did not have access to a reliable source of food during the past year. https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/health-behaviors/diet-exercise/food-insecurity

Reference: Health Behaviors, Diet and Exercise (click on "Additional Health Behaviors") https://www.countyhealthrankings.org/

11A) Drug overdose deaths

Variable: countyoddeaths

Question type: Text entry

Definition: Number of drug poisonings deaths per 100,000 population. Drug overdose deaths are a leading contributor to premature death and are largely preventable. Currently, the United States is experiencing an epidemic of drug overdose deaths. Since 2000, the rate of drug overdose deaths has increased by 137 percent nationwide. Opioids contribute largely to drug overdose deaths; since 2000, there has been a 200 percent increase in deaths involving opioids (opioid pain relievers and heroin).

Guidance: Enter number which represents deaths per 100,000 population. Rates measure the number of events (e.g., deaths, births, etc.) in a given period (generally one or more years), divided by the average number of people at risk during that period. Rates help us compare health data across counties with different population sizes. Drug Overdose Deaths is the number of deaths due to drug poisoning per 100,000 population.

https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/health-behaviors/alcohol-drug-use/drug-overdose-deaths

Reference: Health Behaviors, Alcohol and Drug Use (click on "Additional Health Behaviors") https://www.countyhealthrankings.org/

12A) Uninsured (percent)

Variable: countyuninsured

Question type: Text entry

Definition: Percentage of the population under age 65 without health insurance. Lack of health insurance coverage is a significant barrier to accessing needed health care and to maintaining financial security. One key finding from the Kaiser Family Foundation report on access to health care is that "[g]oing without coverage can have serious health consequences for the uninsured because they receive less preventative care, and delayed care often results in serious illness or

other health problems. Being uninsured can also have serious financial consequences, with many unable to pay their medical bills, resulting in medical debt."

Guidance: Enter the number without the % symbol. Uninsured is the percentage of the population under age 65 without health insurance coverage. A person is uninsured if he or she is currently not covered by insurance through a current/former employer or union, insurance purchased from an insurance company, Medicare, Medicaid, medical assistance, any kind of government-assistance plan for those with low incomes or disability, TRICARE or other military health care, Indian Health Services, veterans' assistance, or any other health insurance or health coverage plan.

https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/clinical-care/access-to-care/uninsured

Reference: Clinical Care, Access to Care https://www.countyhealthrankings.org/

13A) Primary care physicians

Variable: countyprimarycare

Question type: Text entry

Definition: Ratio of population to primary care physicians. Access to care requires not only financial coverage, but also access to providers. While high rates of specialist physicians have been shown to be associated with higher (and perhaps unnecessary) utilization, sufficient availability of primary care physicians is essential for preventive and primary care, and, when needed, referrals to appropriate specialty care.

Guidance: Enter the number to the left of the colon (number of persons in the population for each primary care physician). Primary Care Physicians is the ratio of the population to primary care physicians. The ratio represents the number of individuals who would be served by one physician in a county if the population were equally distributed among physicians. For example, if a county had a population of 50,000 and had 20 primary care physicians, its ratio would be 2,500:1. The value on the right side of the ratio is always 1 or 0; 1 indicates that there is at least one primary care physician in the county, and zero indicates there are no registered primary care physicians in the county.

https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/clinical-care/access-to-care/primary-care-physicians

Reference: Clinical Care, Access to Care https://www.countyhealthrankings.org/

14A) Mental health providers

Variable: countymhproviders

Question type: Text entry

Definition: Ratio of population to mental health providers. Access to care requires not only financial coverage, but also access to providers. Thirty percent of the population lives in a county designated as a Mental Health Professional Shortage Area. As the mental health parity aspects of the Affordable Care Act create increased coverage for mental health services, many anticipate increased workforce shortages.

Guidance: Enter the number to the left of the colon (number of persons in the population for each mental health provider). Mental Health Providers is the ratio of the population to mental health providers. The ratio represents the number of individuals who would be served by one mental health provider in a county if the population were equally distributed across providers. For example, if a county had a population of 50,000 and had 20 mental health providers, its ratio would be 2,500:1. The value on the right side of the ratio is always 1 or 0; 1 indicates that there is at least one mental health provider in the county, and zero indicates there are no registered mental health providers in the county.

https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/clinical-care/access-to-care/mental-health-providers

Reference: Clinical Care, Access to Care https://www.countyhealthrankings.org/

15A) High School graduation (percent)

Variable: countyhsgraduation

Question type: Text entry

Definition: Percentage of ninth-grade cohort that graduates in four years. Education is an important predictor of health. Completing more education is associated with being less likely to smoke and more likely to exercise, as well as better physical health and self-reported health.[1-3] Adults who are more educated are more often employed and tend to earn more than their less-well-educated counterparts.[3] A 1-point increase in high school GPA raises annual earnings in adulthood by about 12 percent in males and nearly 14 percent in females.[4]

Individuals graduating with a high school diploma are likely to have more health benefits than those who earn a Graduate Equivalency Diploma (GED). GED earners are about twice as likely to have worse self-reported health and physical limitations.[2]

It is important to note, as rates of high school and college completion increase, that there are growing race/ethnicity gaps in educational attainment over the past 20 years. In 2005, white recent high school graduates were 11 percentage points more likely to enroll in college than their black and Hispanic peers. In 2015, these gaps had decreased to 8 percentage points for black and 5 percentage points for Hispanic students.[3]

Guidance: Enter the number without the % symbol. High School Graduation is the percentage of the ninth-grade cohort that graduates from high school in four years. https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/education/high-school-graduation

Reference: Social and Economic Factors, Education https://www.countyhealthrankings.org/

16A) Unemployment (percent)

Variable: countyunemployment

Question type: Text entry

Definition: Percentage of the population aged 16 and older unemployed but seeking work. The unemployed population experiences worse health and higher mortality rates than the employed population.[1-4] Unemployment has been shown to lead to an increase in unhealthy behaviors related to alcohol and tobacco consumption, diet, exercise, and other health-related behaviors, which, in turn, can lead to increased risk for disease or mortality, especially suicide.[5] Because employer-sponsored health insurance is the most common source of health insurance coverage, unemployment can also limit access to health care.

Guidance: Enter the number without the % symbol. Unemployment is the percentage of the county's civilian labor force, aged 16 and older, that is unemployed but seeking work. https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/employment/unemployment

Reference: Social and Economic Factors, Employment https://www.countyhealthrankings.org/

17A) Children in poverty (percent)

Variable: countychildpoverty

Question type: Text entry

Definition: Percentage of people under age 18 in poverty. Children in Poverty captures an upstream measure of poverty that assesses both current and future health risk. Poverty and other social factors contribute a number of deaths comparable to leading causes of death in the United States, such as heart attacks, strokes, and lung cancer.[1] While repercussions resulting from poverty are present at all ages, children in poverty may experience lasting effects on academic achievement, health, and income into adulthood. Low-income children have an increased risk of injuries from accidents and physical abuse and are susceptible to more frequent and severe chronic conditions and their complications such as asthma, obesity, diabetes, ADHD, behavior disorders, cavities, and anxiety than children living in high-income households.[2-4]

Guidance: Enter the number without the % symbol. Children in Poverty is the percentage of people under age 18 living in poverty. https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/income/children-in-poverty

Reference: Social and Economic Factors, Income https://www.countyhealthrankings.org/

18A) Income inequality

Variable: countyincomeinequality

Question type: Text entry

Definition: Ratio of household income at the 80th percentile to income at the 20th percentile. Income inequality within U.S. communities can have broad health impacts, including increased risk of mortality, poor health, and increased cardiovascular disease risks. Inequalities in a community can accentuate differences in social class and status and serve as social stressors. Communities with greater income inequality can experience a loss of social connectedness, as well as decreases in trust, social support, and a sense of community for all residents. Income inequality in a society has a strong causal connection to health, independent of the income of individuals.

Guidance: Income Inequality is the ratio of household income at the 80th percentile to that at the 20th percentile. In other words, when the incomes of all households in a county are listed from highest to lowest, the 80th percentile is the level of income at which only 20 percent of households have higher incomes, and the 20th percentile is the level of income at which only 20 percent of households have lower incomes. A higher inequality ratio indicates greater division between the top and bottom ends of the income spectrum.

https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/income/income-inequality

Reference: Social and Economic Factors, Income https://www.countyhealthrankings.org/

19A) Social associations (rate)

Variable: countysocialassoc

Question type: Text entry

Definition: Number of membership associations per 10,000 population. Minimal contact with others and limited involvement in community life are associated with increased morbidity and early mortality. Research suggests that the magnitude of risk associated with social isolation is similar to the risk of cigarette smoking. Furthermore, social support networks have been identified as powerful predictors of health behaviors, suggesting that individuals without a

strong social network are less likely to make healthy lifestyle choices than individuals with a strong network. A study found that people living in areas with high levels of social trust are less likely to rate their health status as fair or poor than people living in areas with low levels of social trust. Researchers have argued that social trust is enhanced when people belong to voluntary groups and organizations because people who belong to such groups tend to trust others who belong to the same groups.

Guidance: Enter number which represents number of membership associations per 100,000 population. Social Associations measures the number of membership associations per 10,000 population. Rates measure the number of events in a given period (generally one or more years) divided by the average number of people at risk during that period. Rates help us compare health data across counties with different population sizes. https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/family-social-support/social-associations

Reference: Social and Economic Factors, Family and Social Support
https://www.countyhealthrankings.org/

20A) Violent crime (rate)

Variable: countyviolentcrime

Question type: Text entry

Definition: Number of reported violent crime offenses per 100,000 population. High levels of violent crime compromise physical safety and psychological well-being. High crime rates can also deter residents from pursuing healthy behaviors, such as exercising outdoors. In addition, exposure to crime and violence has been shown to increase stress, which may exacerbate hypertension and other stress-related disorders and may contribute to obesity prevalence. Exposure to chronic stress also contributes to the increased prevalence of certain illnesses, such as upper respiratory illness and asthma in neighborhoods with high levels of violence. Uniform Crime Reporting (UCR) data is generally regarded as a valid and reliable index of the types of crime that residents view as serious.

Guidance: Enter number which represents violent crimes per 100,000 population. Violent Crime is the number of violent crimes reported per 100,000 population. Rates measure the number of events (e.g., deaths, births) in a given period (generally one or more years) divided by the average number of people at risk during that period. Rates help us compare health data across counties with different population sizes. https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/community-safety/violent-crime-rate

Reference: Social and Economic Factors, Community Safety
https://www.countyhealthrankings.org/

21A) Disconnected youth (percent)

Variable: countydisconnectedyouth

Question type: Text entry

Definition: Percentage of teens and youth adults aged 16–19 who are neither working nor in school. Youth disconnection portrays a dynamic between individuals and the society they live in. Disconnected youth are at an increased risk of violent behavior, smoking, alcohol consumption, and marijuana use and may have emotional deficits and fewer cognitive and academic skills than their peers who are working and/or in school. Approximately one in nine teenagers and young adults in the United States is currently referred to as disconnected: not in education, employment, or training. Several studies have shown that disconnected youth have a disproportionate share of related health problems including chronic unemployment, poverty, mental health disorders, criminal behaviors, incarceration, poor health, and early mortality.

Guidance: Enter number without % symbol. Leave blank if a number is not provided in the County Health Ranking. Disconnected Youth is the percentage of teens and young adults aged 16 to 19 who are neither working nor in school.
https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/education/disconnected-youth

Reference: Social and Economic Factors, Education (click on “Additional Social & Economic Factors”) https://www.countyhealthrankings.org/

22A) Median household income

Variable: countymedianincome

Question type: Text entry

Definition: Median income—where half of the households in a county earn more and half of households earn less. Median household income is a well-recognized indicator of income and poverty, which can compromise physical and mental health. However, it is strongly correlated with children in poverty, which is already ranked and therefore not included as a ranked measure.

Guidance: Enter the number without the $ symbol. Median Household Income is the income where half of households in a county earn more and half of households earn less. Income, defined as “Total income,” is the sum of the amounts reported separately for wage or salary income; net self-employment income; interest, dividends, or net rental or royalty income or income from estates and trusts; social security or railroad retirement income; Supplemental Security Income (SSI); public assistance or welfare payments; retirement, survivor, or disability pensions; and all other income. Receipts from the following sources are not included as income:

capital gains; money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer contributions for individuals, etc.; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; and gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts. https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/income/median-household-income

Reference: Social and Economic Factors, Income (click on "Additional Social & Economic Factors") https://www.countyhealthrankings.org/

23A) Children eligible for free or reduced-price lunch (percent)

Variable: countyfreelunch

Question type: Text entry

Definition: Percentage of children enrolled in public schools who are eligible for free or reduced-price lunch. Food insecurity and hunger are known to impair child development and increase risk of poor health outcomes.[1] The National School Lunch Program leads to substantial reductions in childhood food insecurity, poor health, and obesity.[2] Under the National School Lunch Act, eligible children (based on family size and income) receive adequate nutrition to help support development and a healthy lifestyle. In addition, eligibility for free or reduced-price lunch is a useful indicator of family poverty and its effect on children. When combined with poverty data, this measure can also be used to identify gaps in eligibility and enrollment.

Guidance: Enter the number without the % symbol. Children Eligible for Free or Reduced-Price Lunch is the percentage of children enrolled in public schools who are eligible for free or reduced-price lunch. https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/income/children-eligible-for-free-or-reduced-price-lunch

Reference: Social and Economic Factors, Income (click on "Additional Social & Economic Factors") https://www.countyhealthrankings.org/

24A) Residential segregation – nonwhite/white

Variable: countysegregation

Question type: Text entry

Definition: Index of dissimilarity where higher values indicate greater residential segregation between nonwhite and white county residents. Although most overtly discriminatory policies and practices promoting segregation—such as separate schools or seating on public

transportation or in restaurants based on race—have been illegal for decades, segregation caused by structural, institutional, and individual racism still exists in many parts of the country. The removal of discriminatory policies and practices has impacted acts of racism but has had little effect on structural racism such as residential segregation, resulting in lingering structural inequalities. Residential segregation is a key determinant of racial differences in socioeconomic mobility and, in addition, can create social and physical risks in residential environments that adversely affect health. Although this area of research is gaining interest, structural forms of racism and their relationship to health inequities remain understudied.

Residential segregation remains prevalent in many areas of the country and may influence both personal and community well-being. Residential segregation is considered a fundamental cause of health disparities in the United States and has been linked to poor health outcomes, including mortality; a wide variety of reproductive, infectious, and chronic diseases; and other adverse conditions. Structural racism is also linked to poor-quality housing and disproportionate exposure to environmental toxins. Individuals living in segregated neighborhoods often experience increased violence, reduced educational and employment opportunities, limited access to quality health care, and restrictions to upward mobility.

Guidance: Racial/ethnic residential segregation refers to the degree to which two or more groups live separately from one another in a geographic area. The index of dissimilarity is a demographic measure of the evenness with which two groups (non-White and White residents, in this case) are distributed across the component geographic areas (census tracts, in this case) that make up a larger area (counties, in this case).

The residential segregation index ranges from 0 (complete integration) to 100 (complete segregation). The index score can be interpreted as the percentage of either non-White or White residents who would have to move to different geographic areas to produce a distribution that matches that of the larger area.
https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/family-social-support/residential-segregation-non-whitewhite

Reference: Social and Economic Factors, Family and Social Support (click on “Additional Social & Economic Factors”) https://www.countyhealthrankings.org/

25A) Suicide (rate)

Variable: countysuicide

Question type: Text entry

Definition: Number of deaths due to suicide per 100,000 population. Suicide serves as an important measure of the mental health of a county’s population. Outside of the impact on the emotional and mental health of surviving friends, family members, and loved ones, suicide also has an economic impact, costing the United States an estimated $70 billion per year.

Guidance: Enter number which represents deaths due to suicide per 100,000 population. Suicide is the number of deaths from self-inflicted injuries per 100,000 population. Rates measure the number of events (e.g., deaths, births) in a given period (generally one or more years) divided by the average number of people at risk during that period. Rates help us compare data across counties with different population sizes. https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/social-and-economic-factors/community-safety/suicides

Reference: Social and Economic Factors, Community Safety (click on "Additional Social & Economic Factors") https://www.countyhealthrankings.org/

26A) Severe housing problems (percent)

Variable: countyhousingprob

Question type: Text entry

Definition: Households with at least one of four housing problems: overcrowding, high housing costs, lack of kitchen facilities, or lack of plumbing facilities. Good health depends on having homes that are safe and free from physical hazards. When adequate housing protects individuals and families from harmful exposures and provides them with a sense of privacy, security, stability and control, it can make important contributions to health. In contrast, poor quality and inadequate housing contributes to health problems such as infectious and chronic diseases, injuries, and poor childhood development. Housing measures can also be considered proxy indicators of more general socioeconomic circumstances. Households experiencing severe cost burdens have to face difficult trade-offs in meeting other basic needs. When most of a paycheck goes toward the rent or mortgage, it is difficult to afford health insurance, health care and medication, healthy foods, utility bills, or reliable transportation to work or school. This, in turn, can lead to increased stress levels and emotional strain.

Guidance: Enter the number without the % symbol. Severe Housing Problems is the percentage of households with one or more of the following housing problems:

1. Housing unit lacks complete kitchen facilities.
2. Housing unit lacks complete plumbing facilities.
3. Household is overcrowded.
4. Household is severely cost-burdened.

https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/physical-environment/housing-transit/severe-housing-problems

Reference: Physical Environment, Housing and Transit https://www.countyhealthrankings.org/

Overdose Fatality Review Recommendation Monitoring

B. Recommendation Monitoring

1B) Case-unique identifier (REDCap generated)

Variable: record_id

Question type: Automatically generated by REDCap

Definition: REDCap will generate a unique case ID.

Guidance: None

Reference: None

2B) Public/edited version of recommendation

Variable: rec_text

Question type: Text entry

Definition: This is a short public-facing recommendation, modified over time based on case review.

Guidance: This recommendation does not include a lot of details or case information. It likely does not name/identify specific agencies or organizations that the recommendation is targeting.

Reference: None

3B) Working draft of recommendation

Variable: rec_notes

Question type: Text entry

Definition: Original working recommendation text. Modified over time with more case details and specifics.

Guidance: This recommendation text is not public and is where specific agencies and/or organizations may be named.

Reference: None

4B) Date recommendation was identified/initiated

Variable: rec_id_date

Question type: Date entry

Definition: Indicates the date the recommendation was initially identified.

Guidance: The date of the case review that identified the recommendation. You must enter "MM" and "DD" as two-digit numbers (e.g., "06" for June, not "6").

Reference: None

5B) Cases that generated or are related to the recommendation

Variable: rec_cases

Question type: Text entry

Definition: Indicates Case IDs (Var: case_id) that relate to the recommendation. The cases may have helped identify or revise the recommendation.

Guidance: Any and all cases that helped inform the development of the recommendation.

Reference: None

6B) What data sources were shared at review meetings?

Variable: rec_data_type

Question type: Check all that apply.

Definition: Indicates which data were shared or provided at the case reviews.

Guidance: Select the responses that best describe the data sources shared at the review meetings tied to this recommendation, regardless of whether they provided data or information about the case. For example, if more than one case generated this recommendation, if the first case had behavioral health, criminal justice, and death certificate record information and the second case had behavioral health, criminal justice, death certificate, and social services record information, then the second case would only result in one additional data source at the meetings – social services record information. The total list of data sources tied to this recommendation would be behavioral health, criminal justice, death certificate, and social services record information.

Reference: None

6Ba) Specify "Other"

Variable: rec_data_type_othr

Question type: Text entry

Definition: Specifies other type of data source shared at review meetings.

Guidance: None

Reference: None

7B) What OFR members were present/represented at the review meetings?

Variable: rec_member type

Question type: Check all that apply.

Definition: Indicates OFR members or partners (guest participants) present at the meetings.

Guidance: Select the responses that best describe those present at the cases reviewed that tied to this recommendation, regardless of whether they provided data or information about the case. For example, if more than one case generated this recommendation, if the first case had public health, hospital, prisons, and local law enforcement and the second case had public health, hospital, local law enforcement, and substance use disorder treatment provider, then the second case would only result in one additional member at the meetings – substance use disorder treatment provider. The total list of members tied to this recommendation would be public health, hospital, prison, local law enforcement and substance use disorder treatment provider.

Note: OFR teams may want a meeting sign-in form that allows participants to select which professional sector they represent.

Reference: None

7Ba) Specify "Other"

Variable: rec_member_type_othr

Question type: Text entry

Definition: Specifies other OFR member present/represented at the review meetings.

Guidance: None

Reference: None

8B) Recommendation type

Variable: rec_type

Question type: Check all that apply.

Definition: Indicates type of recommendation.

Guidance:

- Quality improvement—Addresses an issue to strengthen or improve the overdose fatality review process. For example, increase the length of meetings to allow for more time to develop recommendations.
- Systemic—Addresses a gap, weakness, or problem within a system or across systems. For example, improve communication between inpatient treatment providers upon discharge to an outpatient, medication-assisted therapy (MAT) provider by establishing an automated alert system.
- Case-specific—Addresses an information or data need related to a case. For example, determine whether an individual was seen by the VA hospital in the week prior to the death.
- Agency-specific—Addresses a service gap or failure within an agency. For example, improve internal records and communication to better track and follow up with patients who miss appointments.
- Population-specific—Addresses a need or issue to reduce a specific risk factor for overdose. For example, increase access to buprenorphine among incarcerated populations.
- Research-related—Addresses a need to research a topic of issue area. For example, determine the number of deaths from prescription opioids for those who had prescriptions for opioids.
- Capacity-building—Addresses methods for sharing knowledge, developing skills, and creating institutional systems and capacity by providing training, technical consultation and services, information packaging, and dissemination and technology transfer activities. For example, improve public health data and information systems to better count and monitor drug use and overdoses (nonfatal and fatal).

Reference: U.S. Centers for Disease Control and Prevention, Public Health Professional Gateway, Building Capacity. https://www.cdc.gov/publichealthgateway/funding/rfaot13.html (define capacity building)

8Ba) Specify "Other"

Variable: rec_type_othr

Question type: Text entry

Definition: Specifies other type of recommendation.

Guidance: None

Reference: None

9B) Prevention level

Variable: rec_level

Question type: Check all that apply.

Definition: Indicates the scope and level of prevention the recommendation addresses.

Guidance:

- Primary/Universal: Primary prevention or universal prevention efforts are efforts that prevent an overarching circumstance or increase health-promoting supports. The target audience is the public. For example, increasing access to affordable housing or preventing the initiation of substance use in a community.
- Secondary/Selective: Secondary prevention or selective prevention efforts are efforts that address an immediate circumstance leading up to the overdose death. The target audience is individuals and/or groups who are at increased risk. For example, increasing access among drug users and their social network to naloxone.
- Tertiary/Targeted: Tertiary prevention or targeted prevention efforts are efforts that decrease the impact of ongoing addiction or substance use disorder. The target audience is individuals who are already affected by the disease or outcome. For example, connecting nonfatal overdose victims in emergency departments with peer recovery coaches to identify treatment options.

Reference: None

10B) Focus population or issue

Variable: rec_focus

Question type: Check all that apply.

Definition: Indicates the population or issue the recommendation is targeting.

Guidance: None

Reference: None

10Ba) Specify "Other"

Variable: rec_focus_othr

Question type: Text entry

Definition: Specifies other focus population or issue.

Guidance: None

Reference: None

11B) Jurisdictional levels responsible for implementing the recommendation

Variable: rec_jurisd_scope

Question type: Check all that apply.

Definition: Identify which level of jurisdiction is responsible for implementing each recommendation.

Guidance: Each type of recommendation must be implemented at different jurisdiction levels.

Reference: None

12B) Agencies responsible for implementation

Variable: rec_agency

Question type: Check all that apply.

Definition: Indicates the agencies responsible for implementing the recommendation.

Guidance: None

Reference: None

12Ba) Specify "Other"

Variable: rec_agency_othr

Question type: Text entry

Definition: Specifies other agency responsible for implementing the recommendation.

Guidance: None

Reference: None

13B) Recommendation status

Variable: rec_status

Question type: Select only one.

Definition: Indicates current status on recommendation.

Guidance: Update status of recommendation when updating recommendation.

Reference: None

14B) Date of status update

Variable: rec_status_date

Question type: Date entry

Definition: Indicates the date of the most recent status update.

Guidance: You must enter “MM” and “DD” as two-digit numbers (e.g., “06” for June, not “6”).

Reference: None

15B) Short-term strategies

Variable: rec_short, rec_short_2, rec_short_3, rec_short_4, rec_short_5

Question type: Text entry

Definition: List short-term strategies to be implemented.

Guidance: Add and update strategies as they are identified or happen. Enter one strategy per field.

Reference: Social and Economic Factors, Income https://www.countyhealthrankings.org/

16B) Medium-term strategies

Variable: rec_medium, rec_medium_2, rec_medium_3, rec_medium_4, rec_medium_5

Question type: Text entry

Definition: List medium-term strategies to be implemented.

Guidance: Add and update strategies as they are identified or happen. Enter one strategy per field.

Reference: None

17B) Long-term strategies

Variable: rec_long, rec_long_2, rec_long_3, rec_long_4, rec_long_5

Question type: Text entry

Definition: List the long-term strategies to be implemented.

Guidance: Add and update strategies as they are identified or happen. Enter one strategy per field.

Reference: Social and Economic Factors, Family and Social Support https://www.countyhealthrankings.org/

18B) Recommendation accomplishments

Variable: rec_results

Question type: Text entry

Definition: Document tasks completed and associated results.

Guidance: Add and update the list of tasks and results as they happen.

Reference: None

19B) Media coverage notes

Variable: rec_media

Question type: Text entry

Definition: Track any media coverage regarding this recommendation and related activities and cases.

Guidance: Update with media coverage and content as it happens.

Reference: Social and Economic Factors, Education (click on “Additional Social & Economic Factors”) https://www.countyhealthrankings.org/

20B) Contact information for agency that has the lead responsibility for implementing the recommendation

Variable: rec_lead

Question type: Text entry

Definition: Indicates the lead responsible agency for implementing the recommendation.

Guidance: Examples include name, agency and email address.

Reference: None

21B) Supporting agencies

Variable: rec_support, rec_support_2, rec_support_3

Question type: Text entry

Definition: Indicates an individual or agency responsible for supporting the recommendation implementation.

Guidance: Examples include name, agency and email address. Enter information for one agency per field.

Reference: None

Data Analyst Guidance

Overdose Fatality Review Case Information

Section 1 – OFR Administration						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
case_id	text	REDCap-generated unique case identifier	--	None	No	1.0
contact_name	text	Name of person completing this form	--	None	No	1.0
contact_email	text (email)	Email address of the person completing this form	--	None	No	1.0
form_date	date	Date completing this form	--	None	No	1.0
review_date	date	Date case was reviewed in the OFR	09-09-9999 if exact date is not known	None	No	1.0
case_criteria	categorical	Criterion used to select case the case to review	0, No criteria 1, Most recent deaths 2, Random selection 3, Selected to match characteristics of overall fatalities 4, Theme review 88, Other	None	No	1.0
case_criteria_theme	text	Specifies the type of theme review	--	case_criteria = 4 (theme review)	No	1.0
case_criteria_othr	text	Specifies the other type of case criteria used to select the case to review	--	case_criteria = 88 (other)	No	1.0
data_type___1	binary	Data source, behavioral health record information	0, Unchecked 1, Checked	None	No	1.0
data_type___2	binary	Data source, criminal justice record information	0, Unchecked 1, Checked	None	No	1.0
data_type___3	binary	Data source, death certificate record information	0, Unchecked 1, Checked	None	No	1.0
data_type___4	binary	Data source, family and social network information	0, Unchecked 1, Checked	None	No	1.0
data_type___5	binary	Data source, forensic record information	0, Unchecked 1, Checked	None	No	1.0
data_type___6	binary	Data source, medical care record information	0, Unchecked 1, Checked	None	No	1.0

Section 1 – OFR Administration						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
data_type___7	binary	Data source, prescription drug monitoring program (PDMP) record information	0, Unchecked 1, Checked	None	No	1.0
data_type___8	binary	Data source, social services record information	0, Unchecked 1, Checked	None	No	1.0
data_type___88	binary	Data source, other	0, Unchecked 1, Checked	None	No	1.0
data_type_othr	text	Specifies the other source of data source shared at the meeting	--	data_type_othr = 1 (checked)	No	1.0
member_type___1	binary	Member type, child protective services	0, Unchecked 1, Checked	None	No	1.0
member_type___2	binary	Member type, community corrections-probation and parole	0, Unchecked 1, Checked	None	No	1.0
member_type___3	binary	Member type, community prevention coalition	0, Unchecked 1, Checked	None	No	1.0
member_type___4	binary	Member type, county sheriff's office	0, Unchecked 1, Checked	None	No	1.0
member_type___5	binary	Member type, court (not drug-related)	0, Unchecked 1, Checked	None	No	1.0
member_type___6	binary	Member type, drug treatment court	0, Unchecked 1, Checked	None	No	1.0
member_type___7	binary	Member type, education system	0, Unchecked 1, Checked	None	No	1.0
member_type___8	binary	Member type, emergency department	0, Unchecked 1, Checked	None	No	1.0
member_type___9	binary	Member type, emergency medical services	0, Unchecked 1, Checked	None	No	1.0
member_type___10	binary	Member type, faith-based services or healing leader	0, Unchecked 1, Checked	None	No	1.0
member_type___11	binary	Member type, harm-reduction program	0, Unchecked 1, Checked	None	No	1.0

Section 1 – OFR Administration						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
member_type___12	binary	Member type, High Intensity Drug Trafficking Areas (HIDTA) public health analyst or drug intelligence officer	0, Unchecked 1, Checked	None	No	1.0
member_type___13	binary	Member type, hospital	0, Unchecked 1, Checked	None	No	1.0
member_type___14	binary	Member type, housing authority	0, Unchecked 1, Checked	None	No	1.0
member_type___15	binary	Member type, infectious disease	0, Unchecked 1, Checked	None	No	1.0
member_type___16	binary	Member type, jails	0, Unchecked 1, Checked	None	No	1.0
member_type___17	binary	Member type, local law enforcement	0, Unchecked 1, Checked	None	No	1.0
member_type___18	binary	Member type, medical examiner/coroner	0, Unchecked 1, Checked	None	No	1.0
member_type___19	binary	Member type, medication-assisted treatment provider	0, Unchecked 1, Checked	None	No	1.0
member_type___20	binary	Member type, mental health provider	0, Unchecked 1, Checked	None	No	1.0
member_type___21	binary	Member type, outpatient/primary care	0, Unchecked 1, Checked	None	No	1.0
member_type___22	binary	Member type, PDMP	0, Unchecked 1, Checked	None	No	1.0
member_type___23	binary	Member type, pharmacists	0, Unchecked 1, Checked	None	No	1.0
member_type___24	binary	Member type, prison	0, Unchecked 1, Checked	None	No	1.0
member_type___25	binary	Member type, prosecutor's office	0, Unchecked 1, Checked	None	No	1.0
member_type___26	binary	Member type, public health	0, Unchecked 1, Checked	None	No	1.0
member_type___27	binary	Member type, recovery support services	0, Unchecked 1, Checked	None	No	1.0

Section 1 – OFR Administration						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
member_type___28	binary	Member type, social services (other than child protective services)	0, Unchecked 1, Checked	None	No	1.0
member_type___29	binary	Member type, substance use disorder prevention	0, Unchecked 1, Checked	None	No	1.0
member_type___30	binary	Member type, substance use disorder treatment provider	0, Unchecked 1, Checked	None	No	1.0
member_type___31	binary	Member type, toxicologist	0, Unchecked 1, Checked	None	No	1.0
member_type___32	binary	Member type, tribal elder, community leader, or traditional healer	0, Unchecked 1, Checked	None	No	1.0
member_type___88	binary	Member type, other	0, Unchecked 1, Checked	None	No	1.0
admin_notes	text	Notes (for site use only)	--	None	No	1.0
ofr_administration_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete		No	1.0

Section 2 – Decedent Demographic Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
first_name	text	Decedent's first name	--	None	Yes	1.0
last_name	text	Decedent's last name	--	None	Yes	1.0
decedent_dob	date	Decedent's date of birth	09-09-9999 if exact date is not known	None	Yes	1.0
decedent_dob_app	text	Decedent's approximate DOB	---	decedent_dob = '09-09-9999'	Yes	1.0
age_years	numeric	Age in years	Integer Range 1–120	None	No	1.0
birth_state	categorical	Birth state/territory	See Appendix A for state codes. 777, Not applicable, was not born in the United States 999, Unknown	None	No	1.0

Section 2 – Decedent Demographic Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
birth_country	categorical	Country, other than United States, where decedent was born	---	birth_state = 777 (Not applicable, was not born in United States)	No	1.0
residence_state	categorical	State in which decedent lived	See Appendix A for state codes. 777, Not applicable, decedent did not live in the United States 999, Unknown	None	No	1.0
residence_county_xx	categorical	County of residence	See Appendix B for county codes. 777, Not applicable 999, Unknown	residence_state = '*xx*'	No	1.0
residence_city	text	City of residence	--	residence_state ≠ 777 and resident_state ≠ 999	Yes	1.0
residence_zip	text (zipcode)	Residence ZIP code	---	residence_state ≠ 777 and resident_state ≠ 999	Yes	1.0
residence_street	text	Street address of residence	---	residence_state ≠ 777 and resident_state ≠ 999	Yes	1.0
homeless	categorical	Known homeless at time of death	0, No 1, Yes, "couch surfing" or residing in motel or hotel 2, Yes, sleeping outdoors or in a shelter or transitional housing program 3, Yes, unknown where sleeping	None	No	1.0
sex	categorical	Sex of decedent	1, Female 2, Male 99, Unknown	None	No	1.0
pregnancy_status	categorical	Pregnancy status	0, Not pregnant within last year 1, Pregnant at time of death 2, Not pregnant but pregnant within 42 days of death 3, Not pregnant but pregnant 43 days to 1 year before death 4, Not pregnant, not otherwise specified 99, Unknown if pregnant within past year	sex = 1 (Female)	No	1.0

Section 2 – Decedent Demographic Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
prenatal_services	binary	Known access to prenatal services	0, No 1, Yes	pregnancy_status = 1 or 2 or 3	No	1.0
gender_identity	categorical	Gender identity	1, Cisgender, not transgender 2, Genderqueer/gender nonconforming, neither exclusively male or female 3, Transgender man/trans man/female-to-male (FTM) 4, Transgender woman/trans woman/male-to-female (MTF) 88, Other 99, Unknown	None	No	1.0
gender_identity_othr	text	Specify “Other”	--	gender_identity = 88 (other)	No	1.0
relationship_status	categorical	Relationship status at time of incident	1, Currently in a relationship 2, Not currently in a relationship 99, Unknown	None	No	1.0
partner_sex	categorical	Sex of partner	1, Opposite sex of decedent 2, Same sex as decedent 77, Not applicable 99, Unknown	relationship_status = 1	No	1.0
marital_status	categorical	Marital status	1, Divorced 2, Married / Civil Union / Domestic Partnership 3, Married / Civil Union / Domestic Partnership, but separated 4, Never married 5, Single, not otherwise specified 6, Widowed 99, Unknown	None	No	1.0
sexual_orientation	categorical	Sexual orientation	1, Bisexual 2, Gay 3, Heterosexual 4, Lesbian 99, Unknown	None	No	1.0

Section 2 – Decedent Demographic Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
race___1	binary	Race, American Indian or Alaska native	0, Unchecked 1, Checked	None	No	1.0
race___2	binary	Race, Asian	0, Unchecked 1, Checked	None	No	1.0
race___3	binary	Race, Black or African American	0, Unchecked 1, Checked	None	No	1.0
race___4	binary	Race, Native Hawaiian or other Pacific Islander	0, Unchecked 1, Checked	None	No	1.0
race___5	binary	Race, White	0, Unchecked 1, Checked	None	No	1.0
race___88	binary	Race, Other	0, Unchecked 1, Checked	None	No	1.0
race___99	binary	Race, Unknown or unspecified	0, Unchecked 1, Checked	None	No	1.0
race_othr	text	Specify “Other”	--	race___88 = 1 (Checked)	No	1.0
tribal_status	binary	Verified tribal status	0, No 1, Yes	None	No	1.0
tribal_status_sp	text	Specify tribe	--	tribal_status = 1 (Yes)	No	1.0
hispanic_ethnicity	categorical	Hispanic/Latino/Spanish ethnicity	0, Not Hispanic or Latino 1, Hispanic or Latino 9, Unknown	None	No	1.0
english_language	categorical	English speaker	0, No 1, Yes, English was decedent's primary language 2, Yes, English was not decedent's primary language 9, Unknown	None	No	1.0
english_language_sp	text	Specify decedent’s primary language	--	english_language = 0 or 2	No	1.0
military	binary	Known service in U.S. armed forces	0, No 1, Yes	None	No	1.0
occupation_text	text	Usual occupation	--	None	No	1.0
current_occupation	categorical	Occupation status at time of death	1, Disabled 2, Employed 3, Homemaker 4, Retired	None	No	1.0

Section 2 – Decedent Demographic Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
			5, Self-employed 6, Student 7, Unemployed 77, Not Applicable (under age 14) 99, Unknown			
occupation_sp	text	Specify decedent's current occupation	--	current_occupation = 2 (Employed)	No	1.0
education_level	categorical	Highest education obtained	0, 8th grade or less 1, 9th to 12th grade; no diploma 2, High school graduate or GED (graduate equivalent diploma) completed 3, Some college credit but no degree 4, Associate's degree (e.g., A.A., A.S.) 5, Bachelor's degree (e.g., B.A., A.B., B.S.) 6, Master's degree (e.g., M.A., M.S., Mend, Med, M.S.W., M.B.A.) 7, Doctorate (e.g., Ph.D., Ed.D.) or professional degree (e.g., M.D., D.D.S., D.V.M., L.L.B., J.D.) 99, Unknown	None	No	1.0
disability_status___0	binary	Known disability at time of overdose incident, None	0, Unchecked 1, Checked	None	No	1.0
disability_status___1	binary	Known disability, Yes, developmental delay	0, Unchecked 1, Checked	None	No	1.0
disability_status___2	binary	Known disability, Yes, physical disability	0, Unchecked 1, Checked	None	No	1.0
disability_status___3	binary	Known disability, Yes, sensory disability	0, Unchecked 1, Checked	None	No	1.0
disability_status___4	binary	Known disability, Yes, unknown type of disability	0, Unchecked 1, Checked	None	No	1.0

Section 2 – Decedent Demographic Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
children	categorical	Decedent had children under 18 at time of overdose incident	0, No 1, Yes 99, Unknown	None	No	1.0
demo_notes	text	Notes (for site use only)	--	None	No	1.0
decedent_demographic_information_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete		No	1.0

Section 3 – Cause of Death						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
death_cause	text	ICD-10 code for cause of death	--	None	No	1.0
death_cause_1	text	Immediate cause of death (Part 1a death certificate)	--	None	No	1.0
death_cause_2	text	Condition listed in b (death certificate)	--	None	No	1.0
death_cause_3	text	Condition listed in c (death certificate)	--	None	No	1.0
death_cause_4	text	Condition listed in d (death certificate)	--	None	No	1.0
significant_conditions	text	Other significant conditions contributing to death (death certificate)	--	None	No	1.0
how_overdose	text	How the injury [overdose] occurred	--	None	No	1.0
death_manner	categorical		1, Natural 2, Accident 3, Suicide 4, Homicide 5, Undetermined 6, Pending 7, Legal intervention 99, Record not available or blank		No	1.0

Section 3 – Cause of Death						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
cod_notes	text	Notes (for site use only)	--	None	No	1.0
cause_of_death_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete		No	1.0

Section 4 – Scene of Overdose and Death						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
overdose_location	categorical	Location of overdose incident	1, Decedent's residence 2, Friend/acquaintance's residence 3, Hospice facility 4, Hospital 5, Hotel or motel 6, Jail, prison, or detention facility 7, Licensed foster care home 8, Motor vehicle 9, Nursing home/long-term care facility 10, Park, playground, or public use area 11, Relative's residence 12, Residential living facility (shelter, halfway house, sober-living facility, recovery housing, etc.) 13, School 14, Street/road/sidewalk/alley (not in vehicle) 15, Substance use disorder or mental health inpatient treatment program 88, Other	None	No	1.0
overdose_location_othr	text	Specify other location type for overdose incident	--	overdose_location = 88 (Other)	No	1.0

Section 4 – Scene of Overdose and Death						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
overdose_state	categorical	State of overdose incident	See Appendix A 777, Not applicable 999, Unknown	None	No	1.0
overdose_county_*xx*	categorical	County of overdose incident	See Appendix B for county codes. 777, Not applicable 999, Unknown	overdose_state = *xx*	No	1.0
overdose_city	text	City of overdose incident	--	overdose_state ≠ 777 and overdose_state ≠ 999	Yes	1.0
overdose_zip	text (zipcode)	ZIP code of overdose incident	--	overdose_state ≠ 777 and overdose_state ≠ 999	Yes	1.0
overdose_address	text	Street address of overdose incident	--	overdose_state ≠ 777 and overdose_state ≠ 999	Yes	1.0
overdose_death_location	categorical	Indicates if location of overdose death differs from overdose incident	0, No 1, Yes 99, Unknown	None	No	1.0
death_location	categorical	Location of death	1, Decedent's residence 2, Friend/acquaintance's residence 3, Hospice facility 4, Hospital 5, Hotel or motel 6, Jail, prison, or detention facility 7, Licensed foster care home 8, Motor vehicle 9, Nursing home/long-term care facility 10, Park, playground, or public use area 11, Relative's residence 12, Residential living facility (shelter, halfway house, sober-living facility, recovery housing, etc.) 13, School 14, Street/road/sidewalk/alley (not in vehicle)	overdose_death_location = 1 (Yes)	No	1.0

Section 4 – Scene of Overdose and Death						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
			15, Substance use disorder or mental health inpatient treatment program 88, Other			
death_location_othr	text	Specify other location type for overdose death	--	death_location = 88 (Other)	No	1.0
death_state	categorical	State of overdose death	See Appendix A 777, Not applicable, was not born in the United States 999, Unknown	overdose_death_location = 1 (Yes)	No	1.0
death_county_*xx*	categorical	County of overdose death	See Appendix B for county codes. 777, Not applicable 999, Unknown	death_state = *xx*	No	1.0
death_city	text	City of overdose death	--	death_state ≠ 777 and death_state ≠ 999	Yes	1.0
death_zip	text (zipcode)	ZIP code of overdose death	--	death_state ≠ 777 and death_state ≠ 999	Yes	1.0
death_address	text	Street address of overdose death	--	death_state ≠ 777 and death_state ≠ 999	Yes	1.0
last_alive_date	date	Date last known alive before overdose	09-09-9999 if exact date is not known	None	No	1.0
last_alive_date_app	text	Approximate date last known alive	--	last_alive_date = '09-09-9999'	No	1.0
overdose_date	date	Date of overdose incident	09-09-9999 if exact date is not known	None	No	1.0
overdose_date_app	text	Approximate date of overdose incident	--	overdose_date = '09-09-9999'	No	1.0
death_date	date	Date of death	--	None	No	1.0
death_date_app	text	Approximate date of death	--	death_date = '09-09-9999'	No	1.0
scene_notes	text	Notes (for site use only)	--	None	No	1.0
scene_of_overdose_and_death_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 5 – Drugs at the Scene of Death						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
administration_route___0	binary	Drug administration route, no information on route of administration	0, Unchecked 1, Checked	None	No	1.0
administration_route___1	binary	Drug administration route, evidence of buccal	0, Unchecked 1, Checked	None	No	1.0
administration_route___2	binary	Drug administration route, evidence of freebasing	0, Unchecked 1, Checked	None	No	1.0
administration_route___3	binary	Drug administration route, evidence of ingestion	0, Unchecked 1, Checked	None	No	1.0
administration_route___4	binary	Drug administration route, evidence of injection	0, Unchecked 1, Checked	None	No	1.0
administration_route___5	binary	Drug administration route, evidence of smoking	0, Unchecked 1, Checked	None	No	1.0
administration_route___6	binary	Drug administration route, evidence of snorting/sniffing	0, Unchecked 1, Checked	None	No	1.0
administration_route___7	binary	Drug administration route, evidence of sublingual	0, Unchecked 1, Checked	None	No	1.0
administration_route___8	binary	Drug administration route, evidence of suppository	0, Unchecked 1, Checked	None	No	1.0
administration_route___9	binary	Drug administration route, evidence of transdermal	0, Unchecked 1, Checked	None	No	1.0
administration_route___10	binary	Drug administration route, evidence of vaping/vaporizing	0, Unchecked 1, Checked	None	No	1.0
scene_substances___0	binary	Scene substances, none	0, Unchecked 1, Checked	None	No	1.0
scene_substances___1	binary	Scene substances, crystal	0, Unchecked 1, Checked	None	No	1.0
scene_substances___2	binary	Scene substances, diverted prescription	0, Unchecked 1, Checked	None	No	1.0
scene_substances___3	binary	Scene substances, illicit pills	0, Unchecked 1, Checked	None	No	1.0
scene_substances___4	binary	Scene substances, over-the-counter medications	0, Unchecked 1, Checked	None	No	1.0
scene_substances___5	binary	Scene substances, packaging	0, Unchecked 1, Checked	None	No	1.0

Section 5 – Drugs at the Scene of Death						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
scene_substances___6	binary	Scene substances, powder	0, Unchecked 1, Checked	None	No	1.0
scene_substances___7	binary	Scene substances, prescription for decedent	0, Unchecked 1, Checked	None	No	1.0
scene_substances___8	binary	Scene substances, prescription for undetermined individual	0, Unchecked 1, Checked	None	No	1.0
scene_substances___9	binary	Scene substances, tar	0, Unchecked 1, Checked	None	No	1.0
scene_substances___88	binary	Scene substances, other	0, Unchecked 1, Checked	None	No	1.0
scene_substances_othr	text	Specify other substances	--	scene_substances___88 = 1 (checked)	No	1.0
substance_otc___1	binary	Over-the-counter medications, Acetaminophen (Tylenol)	0, Unchecked 1, Checked	scene_substances___4 = 1 (checked)	No	1.0
substance_otc___2	binary	Over-the-counter medications, Dextromethorphan (Delsym, Robitussin Cough and Vicks 44)	0, Unchecked 1, Checked	scene_substances___4 = 1 (checked)	No	1.0
substance_otc___3	binary	Over-the-counter medications, Diphenhydramine (Benadryl Allergy, Nytol, Sominex)	0, Unchecked 1, Checked	scene_substances___4 = 1 (checked)	No	1.0
substance_otc___4	binary	Over-the-counter medications, Loperamide (Imodium A-D)	0, Unchecked 1, Checked	scene_substances___4 = 1 (checked)	No	1.0
substance_otc___5	binary	Over-the-counter medications, Oxybutynin (Oxytrol, Ditropan XL)	0, Unchecked 1, Checked	scene_substances___4 = 1 (checked)	No	1.0
substance_otc___6	binary	Over-the-counter medications, Pseudoephedrine/Phenyephrine (Sudafed, Sudafed PE)	0, Unchecked 1, Checked	scene_substances___4 = 1 (checked)	No	1.0

Section 5 – Drugs at the Scene of Death						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
substance_otc___7	binary	Over-the-counter medications, Scopolamine (Transderm Scop and Scopoderm)	0, Unchecked 1, Checked	scene_substances___4 = 1 (checked)	No	1.0
substance_otc___88	binary	Over-the-counter medications, Other	0, Unchecked 1, Checked	scene_substances___4 = 1 (checked)	No	1.0
substance_otc_othr	text	Specify other over-the-counter medication	--	substance_otc___88 = 1 (checked)	No	1.0
drugs_notes	text	Notes (for site use only)	--	None	No	1.0
drugs_at_the_scene_of_death_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 6 – Death Investigation and Toxicology Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
autopsy	categorical	Was an autopsy performed?	0, No 1, Yes 99, Unknown	None	No	1.0
autopsy_reason___1	binary	No autopsy reason, family refusal	0, Unchecked 1, Checked	autopsy = 0 (No)	No	1.0
autopsy_reason___2	binary	No autopsy reason, lack of funding	0, Unchecked 1, Checked	autopsy = 0 (No)	No	1.0
autopsy_reason___3	binary	No autopsy reason, religious objection	0, Unchecked 1, Checked	autopsy = 0 (No)	No	1.0
autopsy_reason___88	binary	No autopsy reason, other	0, Unchecked 1, Checked	autopsy = 0 (No)	No	1.0
autopsy_reason___99	binary	No autopsy reason, unknown	0, Unchecked 1, Checked	autopsy = 0 (No)	No	1.0
autopsy_reason_othr	text	Specifies other reason autopsy not performed	--	autopsy_reason___88 = 1 (checked)	No	1.0
specimen_collected	binary	Specimens collected, none	0, Unchecked 1, Checked	None	No	1.0
specimen_collected	binary	Specimens collected, blood	0, Unchecked 1, Checked	None	No	1.0

Section 6 – Death Investigation and Toxicology Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
specimen_collected	binary	Specimens collected, urine	0, Unchecked 1, Checked	None	No	1.0
specimen_collected	binary	Specimens collected, vitreous	0, Unchecked 1, Checked	None	No	1.0
toxicology	categorical	Was toxicology testing performed?	0, No 1, Yes, tested at an accredited/certified laboratory used for toxicology testing 2, Yes, not tested at an accredited/certified laboratory used for toxicology testing 3, Yes, unsure if tested at an accredited/certified laboratory used for toxicology testing 99, Unknown	None	No	1.0
toxicology_reason___1	binary	Reason toxicology was not performed, family refusal	0, Unchecked 1, Checked	toxicology = 0 (No)	No	1.0
toxicology_reason___2	binary	Reason toxicology was not performed, lack of funding	0, Unchecked 1, Checked	toxicology = 0 (No)	No	1.0
toxicology_reason___3	binary	Reason toxicology was not performed, religious objection	0, Unchecked 1, Checked	toxicology = 0 (No)	No	1.0
toxicology_reason___88	binary	Reason toxicology was not performed, other	0, Unchecked 1, Checked	toxicology = 0 (No)	No	1.0
toxicology_reason___99	binary	Reason toxicology was not performed, unknown	0, Unchecked 1, Checked	toxicology = 0 (No)	No	1.0
toxicology_reason_othr	text	Specifies other reason toxicology was not performed	--	toxicology_reason___88 = 1 (Checked)	No	1.0
toxicology_tested	binary	Kind of toxicology testing performed	1, Comprehensive 2, Targeted analysis	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_targeted___1	binary	Kind of targeted toxicology testing, Alcohol (ethanol)	0, Unchecked 1, Checked	toxicology_tested=2 (Targeted analysis)	No	1.0
toxicology_targeted___2	binary	Kind of targeted toxicology testing, Benzodiazepines	0, Unchecked 1, Checked	toxicology_tested=2 (Targeted analysis)	No	1.0
toxicology_targeted___3	binary	Kind of targeted toxicology testing, Cannabis	0, Unchecked 1, Checked	toxicology_tested=2 (Targeted analysis)	No	1.0

Section 6 – Death Investigation and Toxicology Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
toxicology_targeted___4	binary	Kind of targeted toxicology testing, Central nervous system depressants (e.g., muscle relaxers, substances used for insomnia, tricyclic antidepressants)	0, Unchecked 1, Checked	toxicology_tested=2 (Targeted analysis)	No	1.0
toxicology_targeted___5	binary	Kind of targeted toxicology testing, Cocaine	0, Unchecked 1, Checked	toxicology_tested=2 (Targeted analysis)	No	1.0
toxicology_targeted___6	binary	Kind of targeted toxicology testing, Fentanyl/fentanyl analogs	0, Unchecked 1, Checked	toxicology_tested=2 (Targeted analysis)	No	1.0
toxicology_targeted___7	binary	Kind of targeted toxicology testing, Other opioids	0, Unchecked 1, Checked	toxicology_tested=2 (Targeted analysis)	No	1.0
toxicology_targeted___8	binary	Kind of targeted toxicology testing, Other sympathomimetic substances (e.g., antihistamines, methamphetamine	0, Unchecked 1, Checked	toxicology_tested=2 (Targeted analysis)	No	1.0
toxicology_targeted___88	binary	Kind of targeted toxicology testing, Other	0, Unchecked 1, Checked	toxicology_tested=2 (Targeted analysis)	No	1.0
toxicology_targeted_othr	text	Specifies other type of targeted toxicology testing	--	toxicology_targeted___88 = 1 (Checked)	No	1.0
toxicology_substances___0	binary	Substances reported, None	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__1	binary	Substances reported, 4-ANPP	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__2	binary	Substances reported, Alcohol (ethanol)	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__3	binary	Substances reported, Amphetamine	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__4	binary	Substances reported, Antidepressants	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__5	binary	Substances reported, Antihistamines	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__6	binary	Substances reported, Antipsychotics	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0

Section 6 – Death Investigation and Toxicology Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
toxicology_substances__7	binary	Substances reported, Benzodiazepines	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__8	binary	Substances reported, Buprenorphine	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__9	binary	Substances reported, Cannabinoids (marijuana)	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__10	binary	Substances reported, Cocaine	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__11	binary	Substances reported, Dextromethorphan	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__12	binary	Substances reported, Fentanyl	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__13	binary	Substances reported, Fentanyl analogs	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__14	binary	Substances reported, Gabapentin/pregabalin	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__15	binary	Substances reported, Inhalants	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__16	binary	Substances reported, Ketamine	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__17	binary	Substances reported, Lysergic acid diethylamide (LSD)	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__18	binary	Substances reported, Methadone	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__19	binary	Substances reported, Methamphetamine	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__20	binary	Substances reported, Methylenedioxymethamphetamine (MDMA)	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__21	binary	Substances reported, Miscellaneous central nervous system depressants	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__22	binary	Substances reported, Muscle relaxers/antispasmodics	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__23	binary	Substances reported, Naloxone	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0

Section 6 – Death Investigation and Toxicology Information						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
toxicology_substances__24	binary	Substances reported, Naltrexone	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__25	binary	Substances reported, Nonsteroidal anti-inflammatory	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__26	binary	Substances reported, Opioids	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__27	binary	Substances reported, Phencyclidine (PCP)	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__28	binary	Substances reported, Psilocybin	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__29	binary	Substances reported, Synthetic benzodiazepines, other	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__30	binary	Substances reported, Synthetic cannabinoids	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__31	binary	Substances reported, Synthetic cathinones	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__32	binary	Substances reported, Synthetic opiates, other	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__33	binary	Substances reported, Tricyclic antidepressants	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__34	binary	Substances reported, Volatiles, other	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__35	binary	Substances reported, Zolpidem	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances__88	binary	Substances reported, Other	0, Unchecked 1, Checked	toxicology = 1 or 2 or 3 (Yes)	No	1.0
toxicology_substances_othr	text	Specifies other substances reported	--	toxicology_substances___88 = 1 (Checked)	No	1.0
tox_notes	text	Notes (for site use only)	--	None	No	1.0
death_investigation_and_toxicology_information_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 7 – Interventions Following Overdose						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
witness	binary	Known witnesses of drug use that resulted in overdose	0, No 1, Yes	None	No	1.0
bystander	categorical	Number of bystanders at scene of overdose	0, No bystanders present 1, One bystander present 2, Multiple bystanders present 3, Bystanders present, unknown number	None	No	1.0
bystander_type___1	binary	Bystander type, Friend	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_type___2	binary	Bystander type, Intimate partner	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_type___3	binary	Bystander type, Medical professional	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_type___4	binary	Bystander type, Other family	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_type___5	binary	Bystander type, Person using drugs	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_type___6	binary	Bystander type, Roommate	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_type___7	binary	Bystander type, Stranger	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_type___88	binary	Bystander type, Other	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_type___99	binary	Bystander type, Unknown	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_type_othr	text	Specifies other type of bystander	--	bystander_type___88 = 1 (Checked)	No	1.0
bystander_response___0	binary	Bystander response, No response or call 9-1-1 after significant delay	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_response___1	binary	Bystander response, Call 9-1-1 immediately	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_response___2	binary	Bystander response, CPR	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_response___3	binary	Bystander response, Rescue breathing	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0

Section 7 – Interventions Following Overdose						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
bystander_response___4	binary	Bystander response, Sternal rub	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_response___5	binary	Bystander response, Stimulation	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_response___88	binary	Bystander response, Other	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_response___99	binary	Bystander response, Unknown	0, Unchecked 1, Checked	bystander = 1 or 2 or 3	No	1.0
bystander_response_othr	text	Specifies other bystander response	--	bystander_response___88 = 1 (Checked)	No	1.0
no_response_reason___1	binary	No response, Abnormalities not recognized	0, Unchecked 1, Checked	bystander_response___0 = 1 (No response)	No	1.0
no_response_reason___2	binary	No response, Abnormalities recognized, but not as overdose	0, Unchecked 1, Checked	bystander_response___0 = 1 (No response)	No	1.0
no_response_reason___3	binary	No response, Bystander using substances or impaired	0, Unchecked 1, Checked	bystander_response___0 = 1 (No response)	No	1.0
no_response_reason___4	binary	No response, Bystander spatially separated (i.e.., in a different room)	0, Unchecked 1, Checked	bystander_response___0 = 1 (No response)	No	1.0
no_response_reason___5	binary	No response, Bystander unaware that decedent was using	0, Unchecked 1, Checked	bystander_response___0 = 1 (No response)	No	1.0
no_response_reason___6	binary	No response, Public space and strangers did not intervene	0, Unchecked 1, Checked	bystander_response___0 = 1 (No response)	No	1.0
no_response_reason___88	binary	No response, Other	0, Unchecked 1, Checked	bystander_response___0 = 1 (No response)	No	1.0
no_response_reason___99	binary	No response, Unknown	0, Unchecked 1, Checked	bystander_response___0 = 1 (No response)	No	1.0
no_response_reason_othr	text	Specifies other reason for no response	--	no_response_reason___88 = 1 (Checked)	No	1.0
emd_performed	categorical	Emergency Medical Dispatching performed	0, No 1, Yes, with pre-arrival instructions 2, Yes, without pre-arrival instructions	None	No	1.0

Section 7 – Interventions Following Overdose						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
			3, Yes, unknown if pre-arrival instructions were given 99, Unknown			
ems_present	categorical	EMS at scene	0, No 1, Yes 99, Unknown	None	No	1.0
pulse	categorical	Presence of pulse	0, No, decedent did not have pulse 1, Yes, decedent had pulse 99, Unknown whether decedent had pulse	ems_present = 1 (Yes)	No	1.0
ems_response___1	binary	EMS intervention, CPR	0, Unchecked 1, Checked	ems_present = 1 (Yes)	No	1.0
ems_response___2	binary	EMS intervention, Epinephrine administration	0, Unchecked 1, Checked	ems_present = 1 (Yes)	No	1.0
ems_response___3	binary	EMS intervention, Provided oxygen	0, Unchecked 1, Checked	ems_present = 1 (Yes)	No	1.0
ems_response___4	binary	EMS intervention, Rescue breathing	0, Unchecked 1, Checked	ems_present = 1 (Yes)	No	1.0
ems_response___5	binary	EMS intervention, Transport to ED	0, Unchecked 1, Checked	ems_present = 1 (Yes)	No	1.0
ems_response___88	binary	EMS intervention, Other	0, Unchecked 1, Checked	ems_present = 1 (Yes)	No	1.0
ems_response___99	binary	EMS intervention, Unknown	0, Unchecked 1, Checked	ems_present = 1 (Yes)	No	1.0
ems_response_othr	text	Specify other EMS response	--	ems_response___88 = 1 (Checked)	No	1.0
naloxone	binary	Known that naloxone was administered	0, No 1, Yes	None	No	1.0
naloxone_who___1	binary	Administered naloxone, EMS/fire	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who___2	binary	Administered naloxone, Friend	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who___3	binary	Administered naloxone, Hospital (ED/inpatient)	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0

Section 7 – Interventions Following Overdose						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
naloxone_who___4	binary	Administered naloxone, Intimate partner	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who___5	binary	Administered naloxone Law enforcement,	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who___6	binary	Administered naloxone, Other family	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who___7	binary	Administered naloxone, Person using drugs	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who___8	binary	Administered naloxone, Roommate	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who___9	binary	Administered naloxone, Stranger	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who___88	binary	Administered naloxone, Other	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who___99	binary	Administered naloxone, Unknown	0, Unchecked 1, Checked	naloxone = 1 (Yes)	No	1.0
naloxone_who_othr	text	Specifies other person who administered naloxone	--	naloxone_who___88 = 1 (Other)	No	1.0
naloxone_number_hcp	numeric	Total number of naloxone dosages, first responders/health care	Integer Range 0–100	naloxone_who___1 or 3 or 5 = 1 (Checked)	No	1.0
naloxone_number_lay	numeric	Total number of naloxone dosages, laypersons	Integer Range 0–100	naloxone_who___2 or 4 or 6 or 7 or 8 or 9 = 1 (Checked)	No	1.0
naloxone_why_not	text	Why naloxone was not administered	--	naloxone = 0 (No)	No	1.0
naloxone_administration	text	Known issues administering naloxone	--	naloxone = 0 (No)	No	1.0
intervent_notes	text	Notes (for site use only)	--	None	No	1.0
interventions_following_overdose_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 8 – Recent Life Stressors						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
financial_stressors___1	binary	Financial stressor, Bankruptcy filing	0, Unchecked 1, Checked	None	No	1.0
financial_stressors___2	binary	Financial stressor, Benefits lost	0, Unchecked 1, Checked	None	No	1.0
financial_stressors___3	binary	Financial stressor, Eviction or loss of housing	0, Unchecked 1, Checked	None	No	1.0
financial_stressors___4	binary	Financial stressor, Food insecurity and/or struggle to access food	0, Unchecked 1, Checked	None	No	1.0
financial_stressors___5	binary	Financial stressor, Home foreclosure	0, Unchecked 1, Checked	None	No	1.0
financial_stressors___6	binary	Financial stressor, Housing insecurity	0, Unchecked 1, Checked	None	No	1.0
financial_stressors___7	binary	Financial stressor, Job loss, decedent	0, Unchecked 1, Checked	None	No	1.0
financial_stressors___8	binary	Financial stressor, Job loss, decedent's partner	0, Unchecked 1, Checked	None	No	1.0
financial_stressors___9	binary	Financial stressor, Job problems	0, Unchecked 1, Checked	None	No	1.0
life_stressors___1	binary	Life stressors, None of these stressors	0, Unchecked 1, Checked	None	No	1.0
life_stressors___2	binary	Life stressors, Child, new or loss	0, Unchecked 1, Checked	None	No	1.0
life_stressors___3	binary	Life stressors, Death of a spouse, loved one (other than child), or friend	0, Unchecked 1, Checked	None	No	1.0
life_stressors___4	binary	Life stressors, Divorce or significant relationship problems	0, Unchecked 1, Checked	None	No	1.0
life_stressors___5	binary	Life stressors, Infectious disease epidemic	0, Unchecked 1, Checked	None	No	1.0
life_stressors___6	binary	Life stressors, Infidelity	0, Unchecked 1, Checked	None	No	1.0
life_stressors___7	binary	Life stressors, Natural disaster	0, Unchecked 1, Checked	None	No	1.0

Section 8 – Recent Life Stressors						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
life_stressors___8	binary	Life stressors, Sexual identity disclosed to family member or friend for the first time	0, Unchecked 1, Checked	None	No	1.0
lstressors_notes	text	Notes (for site use only)	--	None	No	1.0
recent_life_stressors_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 9 – Health Care Access						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
health_care_use___0	binary	Health care visits, No	0, Unchecked 1, Checked	None	No	1.0
health_care_use___1	binary	Health care visits, Emergency department	0, Unchecked 1, Checked	None	No	1.0
health_care_use___2	binary	Health care visits, EMS (emergency medical services, including community paramedics)	0, Unchecked 1, Checked	None	No	1.0
health_care_use___3	binary	Health care visits, Inpatient hospitalization	0, Unchecked 1, Checked	None	No	1.0
health_care_use___4	binary	Health care visits, Primary care	0, Unchecked 1, Checked	None	No	1.0
health_care_use___88	binary	Health care visits, Other	0, Unchecked 1, Checked	None	No	1.0
health_care_use_othr	text	Specifies other type of health care visit	--	health_care_use___88 = 1 (Checked)	No	1.0
ed_number	numeric	Number of ED visit in 12 months prior to death	Integer Range 1–100	health_care_use___1 = 1 (ED)	No	1.0
ed_recent	date	Date of most recent known ED visit	09-09-9999 if exact date is unknown	health_care_use___1 = 1 (Checked)	No	1.0
ed_recent_app	text	Approximate date of most recent ED visit	--	ed_recent = '09-09-9999'	No	1.0
ed_reason	categorical	Primary reason for most recent ED visit	1, Acute illness 2, Chronic illness	health_care_use___1 = 1 (ED)	No	1.0

Section 9 – Health Care Access						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
			3, Injury 4, Nonfatal overdose, drug poisoning 88, Other 99, Unknown			
ed_reason_othr	text	Specifies other primary reason for most recent ED visit	--	ed_reason = 88 (Other)	No	1.0
ems_number	numeric	Number of EMS encounters in 12 months prior to death	Integer Range 1–100	health_care_use___2 = 1 (Checked)	No	1.0
ems_recent	date	Date of most recent known EMS encounter	09-09-9999 if exact date is unknown	health_care_use___2 = 1 (Checked)	No	1.0
ems_recent_app	text	Approximate date of most recent known EMS encounter	--	ems_recent = '09-09-9999'	No	1.0
ems_reason	categorical	Primary reason for most recent EMS encounter	1, Acute illness 2, Chronic illness 3, Injury 4, Nonfatal overdose, drug poisoning 88, Other 99, Unknown	health_care_use___2 = 1 (Checked)	No	1.0
ems_reason_othr	text	Specifies other reason for most recent EMS encounter	--	ems_reason = 88 (Other)	No	1.0
inpatient_number	numeric	Number of inpatient hospitalizations in 12 months prior to death	Integer Range 1–100	health_care_use_3 = 1 (Checked)	No	1.0
inpatient_recent	date	Date of most recent known inpatient hospitalization	09-09-9999 if exact date is unknown	health_care_use_3 = 1 (Checked)	No	1.0
inpatient_recent_app	text	Approximate date of most recent known inpatient hospitalization	--	inpatient_recent = '09-09-9999'	No	1.0
inpatient_reason	categorical	Primary reason for most recent inpatient hospitalization	1, Acute illness 2, Chronic illness 3, Injury 88, Other 99, Unknown	health_care_use_3 = 1 (Checked)	No	1.0

Section 9 – Health Care Access						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
inpatient_reason_othr	text	Specifies other reason for most recent inpatient hospitalization	--	inpatient_reason = 88 (Other)	No	1.0
primary_care_recent	date	Date of most recent primary care provider contact	09-09-9999 if exact date is unknown	health_care_use___4 = 1 (Checked)	No	1.0
primary_care_recent_app	text	Approximate date of most recent primary care provider visit	--	primary_recent = '09-09-9999'	No	1.0
primary_care_reason	categorical	Primary reason for most recent primary care visit	1, Acute illness 2, Chronic illness 3, Injury 88, Other 99, Unknown	health_care_use___4 = 1 (Checked)	No	1.0
primary_care_reason_othr	text	Specified other primary reason for most recent primary care visit	--	primary_care_reason = 88 (Other)	No	1.0
harm_reduction___0	binary	Harm reduction, None	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___1	binary	Harm reduction, Disease testing and referral (viral hepatitis and HIV)	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___2	binary	Harm reduction, Drug treatment referral	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___3	binary	Harm reduction, Fentanyl test strips	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___4	binary	Harm reduction, Health coverage referral	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___5	binary	Harm reduction, Legal referral	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___6	binary	Harm reduction, Medically supervised injection	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___7	binary	Harm reduction, Medication-assisted or opioid replacement treatment	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___8	binary	Harm reduction, Naloxone distribution	0, Unchecked 1, Checked	None	No	1.0

Section 9 – Health Care Access						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
harm_reduction___9	binary	Harm reduction, Needle and syringe exchange programs (syringe access and disposal)	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___10	binary	Harm reduction, Non-abstinence-based housing and employment initiatives	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___11	binary	Harm reduction, Overdose prevention and reversal education	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___12	binary	Harm reduction, Peer support	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___13	binary	Harm reduction, Psychosocial support	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___14	binary	Harm reduction, Safer drug use education	0, Unchecked 1, Checked	None	No	1.0
harm_reduction___88	binary	Harm reduction, Other	0, Unchecked 1, Checked	None	No	1.0
harm_reduction_othr	text	Specifies other harm reduction service	--	harm_reduction___88 = 1 (Checked)	No	1.0
insurance_status	categorical	Insurance status at time of death	0, No insurance 1, Private insurance 2, Public insurance 99, Unknown insurance status	None	No	1.0
insurance_change	categorical	Known insurance coverage change in 12 months prior to death	0, No 1, Yes, changed coverage 2, Yes, gained coverage 3, Yes, lost coverage	None	No	1.0
hca_notes	text	Notes (for site use only)	--	None	No	1.0
health_care_access_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 10 – Health History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
health_history___0	binary	Health history, None	0, Unchecked 1, Checked	None	No	1.0
health_history___1	binary	Health history, Acquired brain injury	0, Unchecked 1, Checked	None	No	1.0
health_history___2	binary	Health history, Asthma	0, Unchecked 1, Checked	None	No	1.0
health_history___3	binary	Health history, Cancer	0, Unchecked 1, Checked	None	No	1.0
health_history___4	binary	Health history, COPD	0, Unchecked 1, Checked	None	No	1.0
health_history___5	binary	Health history, Diabetes	0, Unchecked 1, Checked	None	No	1.0
health_history___6	binary	Health history, Heart disease	0, Unchecked 1, Checked	None	No	1.0
health_history___7	binary	Health history, Hepatitis C	0, Unchecked 1, Checked	None	No	1.0
health_history___8	binary	Health history, HIV/AIDS	0, Unchecked 1, Checked	None	No	1.0
health_history___9	binary	Health history, Injury requiring medical treatment	0, Unchecked 1, Checked	None	No	1.0
health_history___10	binary	Health history, Medical marijuana patient	0, Unchecked 1, Checked	None	No	1.0
health_history___11	binary	Health history, Migraine	0, Unchecked 1, Checked	None	No	1.0
health_history___12	binary	Health history, Obesity	0, Unchecked 1, Checked	None	No	1.0
health_history___13	binary	Health history, Pain	0, Unchecked 1, Checked	None	No	1.0
health_history___14	binary	Health history, Sickle cell disease	0, Unchecked 1, Checked	None	No	1.0
health_history___15	binary	Health history, Sleep disorder	0, Unchecked 1, Checked	None	No	1.0
health_history___16	binary	Health history, Sleep apnea	0, Unchecked 1, Checked	None	No	1.0
health_history___17	binary	Health history, Surgery	0, Unchecked 1, Checked	None	No	1.0

Section 10 – Health History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
health_history___18	binary	Health history, Traumatic brain injury	0, Unchecked 1, Checked	None	No	1.0
health_history___88	binary	Health history, Other illness	0, Unchecked 1, Checked	None	No	1.0
health_history_othr	text	Specifies other illness	--	health_history___88 = 1 (Checked)	No	1.0
health_treatment___0	binary	Health treatment, None of these apply	0, Unchecked 1, Checked	None	No	1.0
health_treatment___1	binary	Health treatment, Acquired brain injury	0, Unchecked 1, Checked	None	No	1.0
health_treatment___2	binary	Health treatment, Asthma	0, Unchecked 1, Checked	None	No	1.0
health_treatment___3	binary	Health treatment, Cancer	0, Unchecked 1, Checked	None	No	1.0
health_treatment___4	binary	Health treatment, COPD	0, Unchecked 1, Checked	None	No	1.0
health_treatment___5	binary	Health treatment, Diabetes	0, Unchecked 1, Checked	None	No	1.0
health_treatment___6	binary	Health treatment, Heart disease	0, Unchecked 1, Checked	None	No	1.0
health_treatment___7	binary	Health treatment, Hepatitis C	0, Unchecked 1, Checked	None	No	1.0
health_treatment___8	binary	Health treatment, HIV/AIDS	0, Unchecked 1, Checked	None	No	1.0
health_treatment___9	binary	Health treatment, Injury requiring medical treatment	0, Unchecked 1, Checked	None	No	1.0
health_treatment___10	binary	Health treatment, Medical marijuana patient	0, Unchecked 1, Checked	None	No	1.0
health_treatment___11	binary	Health treatment, Migraine	0, Unchecked 1, Checked	None	No	1.0
health_treatment___12	binary	Health treatment, Obesity	0, Unchecked 1, Checked	None	No	1.0
health_treatment___13	binary	Health treatment, Pain	0, Unchecked 1, Checked	None	No	1.0
health_treatment___14	binary	Health treatment, Sickle cell disease	0, Unchecked 1, Checked	None	No	1.0

Section 10 – Health History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
health_treatment___15	binary	Health treatment, Sleep disorder	0, Unchecked 1, Checked	None	No	1.0
health_treatment___16	binary	Health treatment, Sleep apnea	0, Unchecked 1, Checked	None	No	1.0
health_treatment___17	binary	Health treatment, Surgery	0, Unchecked 1, Checked	None	No	1.0
health_treatment___18	binary	Health treatment, Terminal diagnosis	0, Unchecked 1, Checked	None	No	1.0
health_treatment___19	binary	Health treatment, Traumatic brain injury	0, Unchecked 1, Checked	None	No	1.0
health_treatment___88	binary	Health treatment, Other illness	0, Unchecked 1, Checked	None	No	1.0
health_terminal_othr	text	Specifies terminal diagnosis	--	health_treatment___18 = 1 (Checked)	No	1.0
health_illness_othr	text	Specifies other illness	--	health_treatment___88 = 1 (Checked)	No	1.0
pain_type___1	binary	Type of pain, Acute pain	0, Unchecked 1, Checked	health_treatment___13 = 1 (Checked)	No	1.0
pain_type___2	binary	Type of pain, Chronic pain	0, Unchecked 1, Checked	health_treatment___13 = 1 (Checked)	No	1.0
pain_type___99	binary	Type of pain, Unknown type of pain	0, Unchecked 1, Checked	health_treatment___13 = 1 (Checked)	No	1.0
pain_provider___1	binary	Treatment provider, Emergency medicine physician	0, Unchecked 1, Checked	health_treatment___13 = 1 (Checked)	No	1.0
pain_provider___2	binary	Treatment provider, Hospice provider	0, Unchecked 1, Checked	health_treatment___13 = 1 (Checked)	No	1.0
pain_provider___3	binary	Treatment provider, Pain specialist	0, Unchecked 1, Checked	health_treatment___13 = 1 (Checked)	No	1.0
pain_provider___4	binary	Treatment provider, Primary care/family medicine/internal medicine/pediatric care	0, Unchecked 1, Checked	health_treatment___13 = 1 (Checked)	No	1.0
pain_provider___88	binary	Treatment provider, Other	0, Unchecked 1, Checked	health_treatment___13 = 1 (Checked)	No	1.0
pain_provider___99	binary	Treatment provider, Unknown	0, Unchecked 1, Checked	health_treatment___13 = 1 (Checked)	No	1.0

Section 10 – Health History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
pain_provider_othr	text	Specifies other pain treatment provider	--	pain_provider___88 = 1 (Checked)	No	1.0
pain_date	date	Date of most recent known health care visit for pain	09-09-9999 if exact date is not known	health_treatment___13 = 1 (Checked)	No	1.0
pain_date_app	text	Approximate date of most recent known health care visit for pain	--	pain_date = '09-09-9999'	No	1.0
health_stressors___0	binary	Health stressors, None of these stressors	0, Unchecked 1, Checked	None	No	1.0
health_stressors___1	binary	Health stressors, Access to health care team lost	0, Unchecked 1, Checked	None	No	1.0
health_stressors___2	binary	Health stressors, Injury	0, Unchecked 1, Checked	None	No	1.0
health_stressors___3	binary	Health stressors, Medical appointment missed	0, Unchecked 1, Checked	None	No	1.0
health_stressors___4	binary	Health stressors, Medical attention/help sought	0, Unchecked 1, Checked	None	No	1.0
health_stressors___5	binary	Health stressors, Medical diagnosis, new	0, Unchecked 1, Checked	None	No	1.0
health_stressors___6	binary	Health stressors, Medication change	0, Unchecked 1, Checked	None	No	1.0
health_stressors___7	binary	Health stressors, Pregnancy complication	0, Unchecked 1, Checked	None	No	1.0
health_stressors___8	binary	Health stressors, Surgery	0, Unchecked 1, Checked	None	No	1.0
hhist_note	text	Notes (for site use only)	--	None	No	1.0
health_history_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 11 – Mental Health History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
mh_history	binary	Known mental health problem/diagnosis	0, No 1, Yes	None	No	1.0
mh_treatment_hx	binary	Known visits for mental health in 12 months prior to death	0, No 1, Yes	mh_history = 1 (Yes)	No	1.0
mh_treatment	binary	Known to be under care for mental health at time of death	0, No 1, Yes	mh_history = 1 (Yes)	No	1.0
mh_recent	date	Date of most recent known contact with provider to treat mental health condition	09-09-9999 if exact date is not known	mh_treatment_hx = 1 (Yes)	No	1.0
mh_recent_app	text	Approximate date of most recent known contact with provider to treat mental health condition	--	mh_recent = '09-09-9999'	No	1.0
suicide_history	binary	Known history of suicidal ideations/plans or attempts	0, No 1, Yes	None	No	1.0
suicide_treatment	binary	Known treatment for suicidal ideations/plans or attempts in 12 months prior to death	0, No 1, Yes	suicide_history = 1 (Yes)	No	1.0
suicide_treatment_recent	date	Date of most recent known contact with a provider to treat suicide ideations/plans or attempts	09-09-9999 if exact date is not known	mh_treatment_hx = 1 (Yes)	No	1.0
suicide_treatment_recent_app	text	Approximate date of most recent known contact with a provider to treat suicide ideations/plans or attempts	--	suicide_treatment_recent = '09-09-9999'	No	1.0
suicide_note	binary	Known that decedent left a suicide note, letter, text, email and/or voicemail	0, No 1, Yes	None	No	1.0
mh_stressors___0	binary	Mental health stressor, None of these events	0, Unchecked 1, Checked	None	No	1.0
mh_stressors___1	binary	Mental health stressor, Disclosed to another person his or her thoughts or plans to die by suicide	0, Unchecked 1, Checked	None	No	1.0

Section 11 – Mental Health History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
mh_stressors___2	binary	Mental health stressor, Expressed feelings of hopelessness or loneliness	0, Unchecked 1, Checked	None	No	1.0
mh_stressors___3	binary	Mental health stressor, Expressed feelings of lack of social support	0, Unchecked 1, Checked	None	No	1.0
mh_stressors___4	binary	Mental health stressor, Expressed feelings of self-loathing	0, Unchecked 1, Checked	None	No	1.0
mh_stressors___5	binary	Mental health stressor, Withdrew from family members or loved ones	0, Unchecked 1, Checked	None	No	1.0
mh_recommendation	categorical	Mental health treatment recommended in 12 months prior to death	0, No 1, Yes 99, Unknown	None	No	1.0
mh_barrier	binary	Known barriers to mental health care	0, No 1, Yes	mh_recommendation = 1 (Yes)	No	1.0
mh_barrier_type___1	binary	Barrier, Lack of insurance coverage	0, Unchecked 1, Checked	mh_barrier = 1 (Yes)	No	1.0
mh_barrier_type___2	binary	Barrier, Limited treatment resources/providers/long waiting lists	0, Unchecked 1, Checked	mh_barrier = 1 (Yes)	No	1.0
mh_barrier_type___3	binary	Barrier, transportation problems	0, Unchecked 1, Checked	mh_barrier = 1 (Yes)	No	1.0
mh_barrier_type___88	binary	Barrier, Other	0, Unchecked 1, Checked	mh_barrier = 1 (Yes)	No	1.0
mh_barrier_type_othr	text	Specifies other type of barrier	--	mh_barrier_type___88 = 1 (Yes)	No	1.0
mh_notes	text	Notes (for site use only)	--	None	No	1.0
mental_health_history_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 12 – Substance Use History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
su_history	binary	Known history of substance use disorder or diagnosis	0, No 1, Yes	None	No	1.0
substance_age	numeric	Known age at first use of substance	Integer Range 1–120	su_history = 1 (Yes)	No	1.0
substance_first___1	binary	First substance, Alcohol	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_first___2	binary	First substance, Cocaine	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_first___3	binary	First substance, Heroin	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_first___4	binary	First substance, Marijuana	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_first___5	binary	First substance, Methamphetamine	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_first___6	binary	First substance, Nicotine	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_first___7	binary	First substance, Prescription opioids	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_first___88	binary	First substance, Other	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_first_othr	text	Specifies other first substance	--	substance_first___88 = 1 (Checked)	No	1.0
substance_hx_type___1	binary	Substance history, Alcohol	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_hx_type___2	binary	Substance history, Cocaine	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_hx_type___3	binary	Substance history, Heroin	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_hx_type___4	binary	Substance history, Marijuana	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_hx_type___5	binary	Substance history, Methamphetamine	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_hx_type___6	binary	Substance history, Nicotine	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_hx_type___7	binary	Substance history, Prescription opioids	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0

Section 12 – Substance Use History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
substance_hx_type___88	binary	Substance history, Other	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_hx_type_othr	text	Specifies other substance decedent known to have a history of using	--	substance_hx_type___88 = 1 (Checked)	No	1.0
substance_choice___1	binary	Substance choice, Alcohol	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_choice___2	binary	Substance choice, Cocaine	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_choice___3	binary	Substance choice, Heroin	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_choice___4	binary	Substance choice, Marijuana	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_choice___5	binary	Substance choice, Methamphetamine	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_choice___6	binary	Substance choice, Nicotine	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_choice___7	binary	Substance choice, Prescription opioids	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_choice___88	binary	Substance choice, Other	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
substance_choice_othr	text	Specifies other known substance of choice	--	substance_choice___88 = 1 (Checked)	No	1.0
prefer_method___0	binary	Preferred method, None	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
prefer_method___1	binary	Preferred method, Freebasing	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
prefer_method___2	binary	Preferred method, Ingestion	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
prefer_method___3	binary	Preferred method, Injection	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
prefer_method___4	binary	Preferred method, Smoke	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
prefer_method___5	binary	Preferred method, Snort/sniff	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0

Section 12 – Substance Use History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
prefer_method___6	binary	Preferred method, Vaping/vaporizing	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
prefer_method___88	binary	Preferred method, Other	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
prefer_method_othr	text	Specifies other preferred method for substance	--	prefer_method___88 = 1 (Checked)	No	1.0
od_number_life	numeric	Number of known nonfatal drug overdoses	Integer Range 0–120	su_history = 1 (Yes)	No	1.0
od_recent_date	date	Date of most recent known nonfatal overdose	09-09-9999 if exact date is not known	od_number_life > 0	No	1.0
od_recent_date_app	text	Approximate date of most recent known nonfatal overdose	--	od_recent_date = '09-09-9999'	No	1.0
sobriety	binary	Known period of sobriety /abstinence in 12 months prior to death	0, No 1, Yes	su_history = 1 (Yes)	No	1.0
sobriety_reason___1	binary	Sobriety reason, Drug court or diversion program	0, Unchecked 1, Checked	sobriety = 1 (Yes)	No	1.0
sobriety_reason___2	binary	Sobriety reason, Incarceration	0, Unchecked 1, Checked	sobriety = 1 (Yes)	No	1.0
sobriety_reason___3	binary	Sobriety reason, Inpatient at medical care facility	0, Unchecked 1, Checked	sobriety = 1 (Yes)	No	1.0
sobriety_reason___4	binary	Sobriety reason, Substance use disorder treatment program	0, Unchecked 1, Checked	sobriety = 1 (Yes)	No	1.0
sobriety_reason___88	binary	Sobriety reason, Other	0, Unchecked 1, Checked	sobriety = 1 (Yes)	No	1.0
sobriety_reason___99	binary	Sobriety reason, Known	0, Unchecked 1, Checked	sobriety = 1 (Yes)	No	1.0
sobriety_reason_othr	text	Specifies other known reason for sobriety	--	sobriety_reason__88 = 1 (Checked)	No	1.0
su_treatment_hx	binary	Known treatment for substance use disorder in 12 months prior to death	0, No 1, Yes	su_history = 1 (Yes)	No	1.0
su_treatment	binary	Known to be under care or receiving treatment for substance use disorder at time of death	0, No 1, Yes	su_history = 1 (Yes)	No	1.0

Section 12 – Substance Use History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
su_treatment_date	date	Date most recent known contact with a substance use disorder treatment provider	09-09-9999 if exact date is not known	su_treatment = 1 (Yes)	No	1.0
su_treatment_date_app	text	Approximate date of most recent known contact with substance use disorder treatment provider	--	su_treatment_date = '09-09-9999'	No	1.0
su_treatment_type___1	binary	Treatment, Ambulatory withdrawal management	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___2	binary	Treatment, Co-occurring partial care	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___3	binary	Treatment, Detoxification	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___4	binary	Treatment, Halfway house	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___5	binary	Treatment, Medication-assisted therapy (MAT-methadone, buprenorphine, vivitrol, etc.)	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___6	binary	Treatment, Outpatient/intensive outpatient	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___7	binary	Treatment, Recovery supports	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___8	binary	Treatment, Residential, long-term	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___9	binary	Treatment, Residential, short-term	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___88	binary	Treatment, Other	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type___99	binary	Treatment, Unknown	0, Unchecked 1, Checked	su_treatment = 1 (Yes)	No	1.0
su_treatment_type_othr	text	Specifies other substance use disorder treatment	--	su_treatment_type___88 = 1 (Yes)	No	1.0
peer_support	binary	Connected with recovery coach or peer support specialist at time of overdose incident	0, No 1, Yes	su_history = 1 (Yes)	No	1.0
su_stressors___0	binary	Substance use, None apply	0, Unchecked	su_history = 1 (Yes)	No	1.0

Section 12 – Substance Use History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
			1, Checked			
su_stressors___1	binary	Substance use, Left a substance use disorder treatment facility	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
su_stressors___2	binary	Substance use, Left a substance use disorder treatment program	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
su_stressors___3	binary	Substance use, Missed a substance use disorder treatment appointment	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
su_stressors___4	binary	Substance use, Returned to substance use	0, Unchecked 1, Checked	su_history = 1 (Yes)	No	1.0
su_recommendation	categorical	Substance Use Disorder treatment recommended but not received in 12 months prior to death	0, No 1, Yes 99, Unknown	None	No	1.0
su_barrier	binary	Known barriers to accessing substance use disorder treatment	0, No 1, Yes	su_recommendation = 1 (Yes)	No	1.0
su_barrier_type___1	binary	Barriers, Lack of insurance coverage	0, Unchecked 1, Checked	su_barrier = 1 (Yes)	No	1.0
su_barrier_type___2	binary	Barriers, Limited treatment resources/providers/long waiting lists	0, Unchecked 1, Checked	su_barrier = 1 (Yes)	No	1.0
su_barrier_type___3	binary	Barriers, Transportation problems	0, Unchecked 1, Checked	su_barrier = 1 (Yes)	No	1.0
su_barrier_type___88	binary	Barriers, Other	0, Unchecked 1, Checked	su_barrier = 1 (Yes)	No	1.0
su_barrier_type_othr	text	Specifies other barrier to accessing substance use disorder treatment	--	su_barrier_type___88 = 1 (Checked)	No	1.0
su_notes	text	Notes (for site use only)	--	None	No	1.0
substance_use_history_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 13 – Trauma History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
trauma_adult___0	binary	Adult trauma, None	0, Unchecked 1, Checked	None	No	1.0
trauma_adult___1	binary	Adult trauma, Natural disaster	0, Unchecked 1, Checked	None	No	1.0
trauma_adult___2	binary	Adult trauma, Pandemic (for example, COVID-19 or coronavirus)	0, Unchecked 1, Checked	None	No	1.0
trauma_adult___3	binary	Adult trauma, Physical violence, perpetrator	0, Unchecked 1, Checked	None	No	1.0
trauma_adult___4	binary	Adult trauma, Physical violence, victim	0, Unchecked 1, Checked	None	No	1.0
trauma_adult___5	binary	Adult trauma, Sexual violence, perpetrator	0, Unchecked 1, Checked	None	No	1.0
trauma_adult___6	binary	Adult trauma, Sexual violence, victim	0, Unchecked 1, Checked	None	No	1.0
trauma_adult___7	binary	Adult trauma, War	0, Unchecked 1, Checked	None	No	1.0
trauma_adult___88	binary	Adult trauma, Other	0, Unchecked 1, Checked	None	No	1.0
trauma_adult_othr	text	Specifies other trauma as an adult	--	trauma_adult___88 = 1 (Checked)	No	1.0
trauma_stressor___0	binary	Recent trauma, None	0, Unchecked 1, Checked	trauma_adult___0 = 0 (Unchecked)	No	1.0
trauma_stressor___1	binary	Recent trauma, Natural disaster	0, Unchecked 1, Checked	trauma_adult___0 = 0 (Unchecked)	No	1.0
trauma_stressor___2	binary	Recent trauma, Pandemic (for example, COVID-19 or coronavirus)	0, Unchecked 1, Checked	trauma_adult___0 = 0 (Unchecked)	No	1.0
trauma_stressor___3	binary	Recent trauma, Physical violence, perpetrator	0, Unchecked 1, Checked	trauma_adult___0 = 0 (Unchecked)	No	1.0
trauma_stressor___4	binary	Recent trauma, Physical violence, victim	0, Unchecked 1, Checked	trauma_adult___0 = 0 (Unchecked)	No	1.0

Section 13 – Trauma History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
trauma_stressor___5	binary	Recent trauma, Sexual violence, perpetrator	0, Unchecked 1, Checked	trauma_adult___0 = 0 (Unchecked)	No	1.0
trauma_stressor___6	binary	Recent trauma, Sexual violence, victim	0, Unchecked 1, Checked	trauma_adult___0 = 0 (Unchecked)	No	1.0
trauma_stressor___7	binary	Recent trauma, War	0, Unchecked 1, Checked	trauma_adult___0 = 0 (Unchecked)	No	1.0
trauma_stressor___88	binary	Recent trauma, Other	0, Unchecked 1, Checked	trauma_adult___0 = 0 (Unchecked)	No	1.0
trauma_stressor_othr	text	Specifies other trauma or violence in 14 days prior to death	--	trauma_stressor___88 = 1 (Checked)	No	1.0
aces___0	binary	ACE, None	0, Unchecked 1, Checked	None	No	1.0
aces___1	binary	ACE, Emotional abuse	0, Unchecked 1, Checked	None	No	1.0
aces___2	binary	ACE, Physical abuse	0, Unchecked 1, Checked	None	No	1.0
aces___3	binary	ACE, Sexual abuse	0, Unchecked 1, Checked	None	No	1.0
aces___4	binary	ACE, Mother treated violently	0, Unchecked 1, Checked	None	No	1.0
aces___5	binary	ACE, Substance abuse in the household	0, Unchecked 1, Checked	None	No	1.0
aces___6	binary	ACE, Mental illness in the household	0, Unchecked 1, Checked	None	No	1.0
aces___7	binary	ACE, Parental separation or divorce	0, Unchecked 1, Checked	None	No	1.0
aces___8	binary	ACE, Incarcerated household member	0, Unchecked 1, Checked	None	No	1.0
aces___9	binary	ACE, Emotional neglect	0, Unchecked 1, Checked	None	No	1.0

Section 13 – Trauma History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
aces___10	binary	ACE, Physical neglect	0, Unchecked 1, Checked	None	No	1.0
trauma_notes	text	Notes (for site use only)	--	None	No	1.0
trauma_history_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 14 – Criminal Justice History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
cj_history___0	binary	Criminal justice history, none	0, Unchecked 1, Checked	None	No	1.0
cj_history___1	binary	Criminal justice history, arrest	0, Unchecked 1, Checked	None	No	1.0
cj_history___2	binary	Criminal justice history, community supervision	0, Unchecked 1, Checked	None	No	1.0
cj_history___3	binary	Criminal justice history, incarceration	0, Unchecked 1, Checked	None	No	1.0
cj_history___4	binary	Criminal justice history, post-adjudication programs and/or specialty courts	0, Unchecked 1, Checked	None	No	1.0
cj_history___5	binary	Criminal justice history, pre-arrest/pre-charge diversion programs	0, Unchecked 1, Checked	None	No	1.0
cj_history___88	binary	Criminal justice history, other	0, Unchecked 1, Checked	None	No	1.0
cj_history_othr	text	Specifies other criminal justice history	--	cj_history___88 = 1 (Checked)	No	1.0
arrest_number	numeric	Number of known arrests	Integer 1–100	cj_history___1 = 1 (Checked)	No	1.0
arrest_age	numeric	Age (years) at first arrest	Integer 1–120	cj_history___1 = 1 (Checked)	No	1.0

Section 14 – Criminal Justice History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
arrest_reason	categorical	Most serious offense for first arrest	1, Driving while impaired 2, Drug possession 3, Drug possession with intent to distribute/deliver or manufacture 4, Property 5, Status offense 6, Traffic offense, other than driving while impaired 7, Violent crime 88, Other 99, Unknown	cj_history___1 = 1 (Checked)	No	1.0
arrest_reason_othr	text	Specifies other offense for first arrest	--	arrest_reason___88 = 1 (Checked)	No	1.0
drug_arrest_number	numeric	Number of arrests that included a drug-related charge, lifetime	Integer Range 1–100	cj_history___1 = 1 (Checked)	No	1.0
arrest_recent_date	date	Date of most recent known arrest	09-09-9999 if exact date is not known	cj_history___1 = 1 (Checked)	No	1.0
arrest_recent_date_app	text	Approximate date of most recent known arrest	--	arrest_recent_date = '09-09-9999'	No	1.0
supervision_number	numeric	Number of known episodes of community supervision	Integer Range 1–100	cj_history___2 = 1 (Checked)	No	1.0
supervision_time	numeric	Total known time (in months) of community supervision	Integer Range 1–998	cj_history___2 = 1 (Checked)	No	1.0
supervision_age	numeric	Age (in years) when placed on first known community supervision	Integer Range 1–120	cj_history___2 = 1 (Checked)	No	1.0
supervision_services___0	binary	Supervision services, None	0, Unchecked 1, Checked	cj_history___2 = 1 (Checked)	No	1.0
supervision_services___1	binary	Supervision services, Counseling or other mental health services	0, Unchecked 1, Checked	cj_history___2 = 1 (Checked)	No	1.0
supervision_services___2	binary	Supervision services, Educational	0, Unchecked 1, Checked	cj_history___2 = 1 (Checked)	No	1.0
supervision_services___3	binary	Supervision services, Employment/vocational	0, Unchecked 1, Checked	cj_history___2 = 1 (Checked)	No	1.0

Section 14 – Criminal Justice History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
supervision_services___4	binary	Supervision services, Medication for Opioid Use Disorder (MOUD, formally known as MAT)	0, Unchecked 1, Checked	cj_history___2 = 1 (Checked)	No	1.0
supervision_services___88	binary	Supervision services, Other	0, Unchecked 1, Checked	cj_history___2 = 1 (Checked)	No	1.0
supervision_services_othr	text	Specifies other community supervision services received	--	supervision_services___88 = 1 (Checked)	No	1.0
supervision_od	categorical	Under community supervision at time of overdose	0, No 1, Yes 99, Unknown	cj_history___2 = 1 (Checked)	No	1.0
supervision_date	date	Date of initiation of most recent known community supervision	09-09-9999 if exact date is not known	cj_history___2 = 1 (Checked)	No	1.0
supervision_date_app	text	Approximate date of initiation of most recent known community supervision	--	supervision_date = '09-09-9999'	No	1.0
incarceration_number	numeric	Number of known incarcerations	Integer Range 1–120	cj_history___3 = 1 (Checked)	No	1.0
incarceration_age	numeric	Age (in years) at first known incarceration	Integer Range 1–120	cj_history___3 = 1 (Checked)	No	1.0
incarceration_services___0	binary	Incarceration services, None	0, Unchecked 1, Checked	cj_history___3 = 1 (Checked)	No	1.0
incarceration_services___1	binary	Incarceration services, Counseling or other mental health services	0, Unchecked 1, Checked	cj_history___3 = 1 (Checked)	No	1.0
incarceration_services___2	binary	Incarceration services, Educational	0, Unchecked 1, Checked	cj_history___3 = 1 (Checked)	No	1.0
incarceration_services___3	binary	Incarceration services, Employment/vocational	0, Unchecked 1, Checked	cj_history___3 = 1 (Checked)	No	1.0
incarceration_services___4	binary	Incarceration services, Medication for Opioid Use Disorder (MOUD, formally known as MAT)	0, Unchecked 1, Checked	cj_history___3 = 1 (Checked)	No	1.0
incarceration_services___88	binary	Incarceration services, Other	0, Unchecked 1, Checked	cj_history___3 = 1 (Checked)	No	1.0
incarceration_serv_othr	text	Specifies other service received while incarcerated	--	incarceration_services___88 = 1 (Checked)	No	1.0

Section 14 – Criminal Justice History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
incarceration_od	categorical	Decedent incarcerated at time of overdose	0, No 1, Yes 99, Unknown	cj_history___3 = 1 (Checked)	No	1.0
incarceration_facility	categorical	Type of facility	1, Jail 2, Juvenile detention 3, Prison 88, Other 99, Unknown	incarceration_od = 1 (Yes)	No	1.0
incarceration_fac_othr	text	Specifies other type of facility	--	incarceration_facility = 88 (Other)	No	1.0
entry_date	date	Date of entry for most recent known incarceration	09-09-9999 if exact date is not known	cj_history___3 = 1 (Checked)	No	1.0
entry_date_app	text	Approximate date of entry for most recent known incarceration	--	entry_date = '09-09-9999'	No	1.0
release_date	date	Date of release for most recent known incarceration	09-09-9999 if exact date is not known	cj_history___3 = 1 (Checked) and incarceration_od = 0 (No)	No	1.0
release_date_app	text	Approximate date of release for most recent known incarceration	--	release_date = '09-09-9999'	No	1.0
spec_court_date	date	Date of entry for most recent known post-adjudication program and/or specialty courts	09-09-9999 if exact date is not known		No	1.0
spec_court_date_app	text	Approximate date of entry for most recent known post-adjudication program and/or specialty courts		spec_court_date = '09-09-9999'	No	1.0
spec_court_type___1	binary	Type, Deferred prosecution	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0
spec_court_type___2	binary	Type, Domestic violence court	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0
spec_court_type___3	binary	Type, Drug court	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0
spec_court_type___4	binary	Type, Homeless court	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0

Section 14 – Criminal Justice History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
spec_court_type___5	binary	Type, Mental health court	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0
spec_court_type___6	binary	Type, Post-arrest diversion	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0
spec_court_type___7	binary	Type, Reentry court	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0
spec_court_type___8	binary	Type, Veterans treatment court	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0
spec_court_type___88	binary	Type, Other	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0
spec_court_type___99	binary	Type, Unknown	0, Unchecked 1, Checked	cj_history___4 = 1 (Checked)	No	1.0
spec_court_type_othr	text	Specifies other type of post-adjudication program and/or specialty court	--	spec_court_type___88 = 1 (Checked)	No	1.0
spec_court_requirements	categorical	Completed requirements of most recent post-adjudication program and/or specialty court	0, No 1, Yes 99, Unknown	cj_history___4 = 1 (Checked)		
spec_court_why_not___1	binary	Noncompletion reason, Abscondment	0, Unchecked 1, Checked	spec_court_requirements = 0 (No)	No	1.0
spec_court_why_not___2	binary	Noncompletion reason, Crime, new	0, Unchecked 1, Checked	spec_court_requirements = 0 (No)	No	1.0
spec_court_why_not___3	binary	Noncompletion reason, Disruptive behavior	0, Unchecked 1, Checked	spec_court_requirements = 0 (No)	No	1.0
spec_court_why_not___4	binary	Noncompletion reason, Drug test positive	0, Unchecked 1, Checked	spec_court_requirements = 0 (No)	No	1.0
spec_court_why_not___5	binary	Noncompletion reason, Meeting missed	0, Unchecked 1, Checked	spec_court_requirements = 0 (No)	No	1.0
spec_court_why_not___6	binary	Noncompletion reason, Self-reported use	0, Unchecked 1, Checked	spec_court_requirements = 0 (No)	No	1.0
spec_court_why_not___7	binary	Noncompletion reason, Treatment unsuccessful	0, Unchecked 1, Checked	spec_court_requirements = 0 (No)	No	1.0
spec_court_why_not___88	binary	Noncompletion reason, Other	0, Unchecked 1, Checked	spec_court_requirements = 0 (No)	No	1.0
spec_court_why_not___99	binary	Noncompletion reason, Unknown	0, Unchecked 1, Checked	spec_court_requirements = 0 (No)	No	1.0

Section 14 – Criminal Justice History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
spec_court_why_not_othr	text	Specifies other reason program not completed	--	spec_court_why_not___88 = 1 (Checked)	No	1.0
pre_arrest_date	date	Date of most recent known pre-arrest/pre-charge diversion	09-09-9999 if exact date is not known	cj_history___5 = 1 (Checked)	No	1.0
pre_arrest_date_app	text	Approximate date of most recent known pre-arrest/pre-charge diversion	--	pre_arrest_date = '09-09-9999'	No	1.0
cj_dec_stressors___0	binary	Decedent, None apply	0, Unchecked 1, Checked	None	No	1.0
cj_dec_stressors___1	binary	Decedent, Arrested	0, Unchecked 1, Checked	None	No	1.0
cj_dec_stressors___2	binary	Decedent, Placed into incarceration	0, Unchecked 1, Checked	None	No	1.0
cj_dec_stressors___3	binary	Decedent, Placed on community supervision	0, Unchecked 1, Checked	None	No	1.0
cj_dec_stressors___4	binary	Decedent, Released from community supervision	0, Unchecked 1, Checked	None	No	1.0
cj_dec_stressors___5	binary	Decedent, Released from a correctional institution	0, Unchecked 1, Checked	None	No	1.0
cj_dec_stressors___88	binary	Decedent, Other	0, Unchecked 1, Checked	None	No	1.0
cj_dec_stressors_othr	text	Specifies other criminal justice stressor, decedent	--	cj_dec_stressors___88 = 1 (Checked)	No	1.0
cj_part_stressors___0	binary	Decedent's partner, None apply	0, Unchecked 1, Checked	None	No	1.0
cj_part_stressors___1	binary	Decedent's partner, Decedent's partner arrested	0, Unchecked 1, Checked	None	No	1.0
cj_part_stressors___2	binary	Decedent's partner, Decedent's partner placed into incarceration	0, Unchecked 1, Checked	None	No	1.0
cj_part_stressors___3	binary	Decedent's partner, Decedent's partner placed on community supervision	0, Unchecked 1, Checked	None	No	1.0
cj_part_stressors___4	binary	Decedent's partner, Decedent's partner released from community supervision	0, Unchecked 1, Checked	None	No	1.0

Section 14 – Criminal Justice History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
cj_part_stressors___5	binary	Decedent's partner, Decedent's partner released from a correctional institution	0, Unchecked 1, Checked	None	No	1.0
cj_part_stressors___88	binary	Decedent's partner, Other	0, Unchecked 1, Checked	None	No	1.0
cj_part_stressors_othr	text	Specifies other criminal justice stressor, decedent's partner	--	cj_part_stressors___88 = 1 (Checked)	No	1.0
cj_child_stressors___0	binary	Decedent's child, None apply	0, Unchecked 1, Checked	None	No	1.0
cj_child_stressors___1	binary	Decedent's child, Decedent's child arrested	0, Unchecked 1, Checked	None	No	1.0
cj_child_stressors___2	binary	Decedent's child, Decedent's child placed into incarceration	0, Unchecked 1, Checked	None	No	1.0
cj_child_stressors___3	binary	Decedent's child, Decedent's child placed on community supervision	0, Unchecked 1, Checked	None	No	1.0
cj_child_stressors___4	binary	Decedent's child, Decedent's child released from community supervision	0, Unchecked 1, Checked	None	No	1.0
cj_child_stressors___5	binary	Decedent's child, Decedent's child released from a correctional institution	0, Unchecked 1, Checked	None	No	1.0
cj_child_stressors___88	binary	Decedent's child, Other	0, Unchecked 1, Checked	None	No	1.0
cj_child_stressors_othr	text	Specifies other criminal justice stressor, decedent's child	--	cj_child_stressors___88 = 1 (Checked)	No	1.0
cj_notes	text	Notes (for site use only)	--	None	No	1.0
criminal_justice_history_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 15 – Social Services History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
ss_history___0	binary	Social service history, None	0, Unchecked	None	No	1.0

Section 15 – Social Services History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
			1, Checked			
ss_history___1	binary	Social service history, Child care benefits	0, Unchecked 1, Checked	None	No	1.0
ss_history___2	binary	Social service history, Children's Health Insurance Program (CHIP)	0, Unchecked 1, Checked	None	No	1.0
ss_history___3	binary	Social service history, Child Protective Services (CPS)	0, Unchecked 1, Checked	None	No	1.0
ss_history___4	binary	Social service history, Foster care	0, Unchecked 1, Checked	None	No	1.0
ss_history___5	binary	Social service history, Head Start	0, Unchecked 1, Checked	None	No	1.0
ss_history___6	binary	Social service history, Housing assistance (subsidized housing, housing vouchers, public housing)	0, Unchecked 1, Checked	None	No	1.0
ss_history___7	binary	Social service history, Low-income home energy assistance program (LIHEAP)	0, Unchecked 1, Checked	None	No	1.0
ss_history___8	binary	Social service history, Medicaid	0, Unchecked 1, Checked	None	No	1.0
ss_history___9	binary	Social service history, Supplemental Nutrition Assistance Programs (SNAP or "food snaps")	0, Unchecked 1, Checked	None	No	1.0
ss_history___10	binary	Social service history, Supplemental Security Income (SSI)	0, Unchecked 1, Checked	None	No	1.0
ss_history___11	binary	Social service history, Temporary Assistance for Needy Families (TANF or "welfare")	0, Unchecked 1, Checked	None	No	1.0
ss_history___12	binary	Social service history, Unaccompanied Alien Children	0, Unchecked 1, Checked	None	No	1.0
ss_history___13	binary	Social service history, Unemployment insurance	0, Unchecked 1, Checked	None	No	1.0

Section 15 – Social Services History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
ss_history___14	binary	Social service history, Vocational/job training	0, Unchecked 1, Checked	None	No	1.0
ss_history___88	binary	Social service history, Other	0, Unchecked 1, Checked	None	No	1.0
ss_history_othr	text	Specifies other social service history	--	ss_history___88	No	1.0
social_service___0	binary	Social service at death, None	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___1	binary	Social service at death, Child care benefits	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___2	binary	Social service at death, Children's Health Insurance Program (CHIP)	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___3	binary	Social service at death, Child Protective Services (CPS)	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___4	binary	Social service at death, Foster care	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___5	binary	Social service at death, Head Start	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___6	binary	Social service at death, Housing assistance (subsidized housing, housing vouchers, public housing)	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___7	binary	Social service at death, Low-income home energy assistance program (LIHEAP)	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___8	binary	Social service at death, Medicaid	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___9	binary	Social service at death, Supplemental Nutrition Assistance Programs (SNAP or "food snaps")	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___10	binary	Social service at death, Supplemental Security Income (SSI)	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0

Section 15 – Social Services History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
social_service___11	binary	Social service at death, Temporary Assistance for Needy Families (TANF or "welfare")	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___12	binary	Social service at death, Unaccompanied Alien Children	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___13	binary	Social service at death, Unemployment insurance	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___14	binary	Social service at death, Vocational/job training	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service___88	binary	Social service at death, Other	0, Unchecked 1, Checked	ss_history___0 = 0 (Unchecked)	No	1.0
social_service_othr	text	Specifies other social service at time of death	--	social_service___88 = 1 (Checked)	No	1.0
cps_history	categorical	Known history of decedent's children removed from home by CPS	0, No 1, Yes 77, Not applicable, decedent did not have children	ss_history___0 = 0 (Unchecked)	No	1.0
cps_placement___1	binary	Placement, Foster care	0, Unchecked 1, Checked	cps_history = 1 (Yes)	No	1.0
cps_placement___2	binary	Placement, Kinship	0, Unchecked 1, Checked	cps_history = 1 (Yes)	No	1.0
cps_placement___88	binary	Placement, Other	0, Unchecked 1, Checked	cps_history = 1 (Yes)	No	1.0
cps_placement___99	binary	Placement, Unknown	0, Unchecked 1, Checked	cps_history = 1 (Yes)	No	1.0
cps_placement_othr	text	Specifies other placement of decedent's children	--	cps_placement___88 = 1 (Checked)	No	1.0
cps_perpetrator	binary	Open CPS case, decedent as perpetrator at time of death	0, No 1, Yes	cps_history = 1 (Yes)	No	1.0
cps_perpetrator_su	categorical	Allegations substance-use-related, decedent perpetrator	0, No 1, Yes 99, Unknown	cps_perpetrator = 1	No	1.0
cps_victim	categorical	Open CPS case, decedent as victim at time of death	0, No 1, Yes 77, Not applicable, decedent was not a child	ss_history___0 = 0 (Unchecked)	No	1.0

Section 15 – Social Services History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
cps_victim_su	categorical	Allegations substance-use-related, decedent victim	0, No 1, Yes 99, Unknown	cps_victim = 1	No	1.0
home_removal	binary	Decedent known to ever be removed from home as child	0, No 1, Yes	ss_history___0 = 0 (Unchecked)	No	1.0
cps_stressors___0	binary	CPS stressor, None	0, Unchecked 1, Checked	None	No	1.0
cps_stressors___1	binary	CPS stressor, Child protective services case open involving the decedent as a perpetrator	0, Unchecked 1, Checked	None	No	1.0
cps_stressors___2	binary	CPS stressor, Child protective services case opened involving the decedent as a victim	0, Unchecked 1, Checked	None	No	1.0
cps_stressors___3	binary	CPS stressor, Decedent's child entered the foster care system	0, Unchecked 1, Checked	None	No	1.0
cps_stressors___4	binary	CPS stressor, Decedent entered the foster care system/was removed from the home	0, Unchecked 1, Checked	None	No	1.0
cps_stressors___77	binary	CPS stressor, Not applicable, did not have a child and the decedent was not a child	0, Unchecked 1, Checked	None	No	1.0
social_notes	text	Notes (for site use only)	--	None	No	1.0
social_services_history_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 16 – Education History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
education_history___0	binary	School problems history, No	0, Unchecked 1, Checked	None	No	1.0
education_history___1	binary	School problems history, Decreased academic performance/achievement or non-passing grades	0, Unchecked 1, Checked	None	No	1.0

Section 16 – Education History						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
education_history___2	binary	School problems history, Disciplinary problems at school (such as detention or suspension)	0, Unchecked 1, Checked	None	No	1.0
education_history___3	binary	School problems history, Discontinuation of school and did not receive a GED	0, Unchecked 1, Checked	None	No	1.0
education_history___4	binary	School problems history, Social exclusion	0, Unchecked 1, Checked	None	No	1.0
education_history___5	binary	School problems history, Truancy or absenteeism	0, Unchecked 1, Checked	None	No	1.0
education_stressors___0	binary	Education stressor, None	0, Unchecked 1, Checked	Education_history___0 ≠ 1 (checked)	No	1.0
education_stressors___1	binary	Education stressor, Decreased academic performance/achievement or non-passing grades	0, Unchecked 1, Checked	Education_history___0 ≠ 1 (checked)	No	1.0
education_stressors___2	binary	Education stressor, Disciplinary problems at school (such as detention or suspension)	0, Unchecked 1, Checked	Education_history___0 ≠ 1 (checked)	No	1.0
education_stressors___3	binary	Education stressor, Discontinuation of school and did not receive a GED	0, Unchecked 1, Checked	Education_history___0 ≠ 1 (checked)	No	1.0
education_stressors___4	binary	Education stressor, Social exclusion	0, Unchecked 1, Checked	Education_history___0 ≠ 1 (checked)	No	1.0
education_stressors___5	binary	Education stressor, Truancy or absenteeism	0, Unchecked 1, Checked	Education_history___0 ≠ 1 (checked)	No	1.0
education_stressors___77	binary	Education stressor, Not applicable, not school-aged or going to school as an adult	0, Unchecked 1, Checked	Education_history___0 ≠ 1 (checked)	No	1.0
educ_notes	text	Notes (for site use only)	--	None	No	1.0
education_history_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 17 – Recommendations						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
recommend_identified	binary	Review of case identified recommendations	0, No 1, Yes	None	No	1.0
recommend_1	text	Brief description of initial recommendation	--	recommend_identified = 1 (Yes)	No	1.0
recommend_strategy_1___1	binary	Recommendation strategy, Access to care/treatment	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___2	binary	Recommendation strategy, Care coordination, referral, and follow-up	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___3	binary	Recommendation strategy, Community coalition/collaboration	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___4	binary	Recommendation strategy, Criminal justice/law enforcement intervention	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___5	binary	Recommendation strategy, Data and statistics	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___6	binary	Recommendation strategy, Death and law enforcement investigation	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___7	binary	Recommendation strategy, Grief/loss support	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___8	binary	Recommendation strategy, Harm reduction	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___9	binary	Recommendation strategy, Information/data sharing	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___10	binary	Recommendation strategy, Naloxone	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___11	binary	Recommendation strategy, Prescription Drug Monitoring Program (PDMP)	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___12	binary	Recommendation strategy, Prevention education/awareness	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0

Section 17 – Recommendations						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
recommend_strategy_1___13	binary	Recommendation strategy, Social determinants of health (e.g., housing stability)	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strategy_1___88	binary	Recommendation strategy, Other	0, Unchecked 1, Checked	recommend_1 ≠ “”	No	1.0
recommend_strat_1_othr	text	Specifies other recommendation strategy	--	recommend_strategy_1___88 = 1 (Checked)	No	1.0
recommend_jurisdiction_1___1	binary	Responsible jurisdiction,	0, Unchecked 1, Checked	recommend_1-4 ≠ “”	No	1.0
recommend_jurisdiction_1___2	binary	Responsible jurisdiction,	0, Unchecked 1, Checked	recommend_1-4 ≠ “”	No	1.0
recommend_jurisdiction_1___3	binary	Responsible jurisdiction,	0, Unchecked 1, Checked	recommend_1-4 ≠ “”	No	1.0
recommend_jurisdiction_1___4	binary	Responsible jurisdiction,	0, Unchecked 1, Checked	recommend_1-4 ≠ “”	No	1.0
recommend_another	binary	Did case generate another recommendation	0, No 1, Yes	recommend_1-4 ≠ “”	No	1.0
Variable sequence repeats for up to four additional recommendations.						
recom_notes	text	Notes (for site use only)	--	None	No	1.0
recommendations_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 18 – Case-Specific Community Context						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
community_state	binary	Review of case identified recommendations	0, No 1, Yes	None	No	1.0
comm_level	categorical	Level of community for which questions will be answered	1, County 2, City 3, Neighborhood 4, ZIP code	None	No	1.0
community_county_xx	categorical	County in which decedent lived	See Appendix B for county codes. 777, Not applicable 999, Unknown	community_state = ‘*xx*’ and comm_level = 1	No	1.0

Section 18 – Case-Specific Community Context						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
community_city	text	City in which decedent lived	--	comm_level = 2	No	1.0
community_neighborhood	text	Neighborhood in which decedent lived	--	comm_level = 3	No	1.0
community_zip	text (zipcode)	ZIP code in which decedent lived	--	comm_level = 4	No	1.0
multiple_data	binary	Community has access to and monitors multiple data sources to guide prevention and intervention planning and strategies	0, No 1, Yes	None	No	1.0
naloxone_distribution	binary	Community has a targeted naloxone distribution program	0, No 1, Yes	None	No	1.0
response_plan	binary	Community has a coordinated rapid response team/plan to respond to spikes in overdoses, overdose-related events, or emerging drug trends	0, No 1, Yes	None	No	1.0
high_density	binary	Community considered a high-density-use and/or high-density-overdose area	0, No 1, Yes	None	No	1.0
mat_available	categorical	Extent MAT (medication-assisted treatment) is available in the community	0, Not available 1, Limited availability—waiting lists, limited providers, only one type available 2, Adequate availability—no waiting lists, easy access to all types of MAT	None	No	1.0
mat_cj	categorical	Extent MAT (medication-assisted treatment) is available to individuals upon release from jails or pre-trial detention	0, Not available 1, Limited availability—limited number of facilities, limited types of MAT or specific populations (e.g., pregnant women) 2, Adequate availability—all types of MAT for all populations	None	No	1.0

Section 18 – Case-Specific Community Context						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
mat_ed	categorical	Extent buprenorphine-based MAT (medication-assisted treatment) is initiated in local emergency departments	0, Not initiated 1, Limited availability/initiation—limited number of facilities or specific populations (e.g., pregnant women) 2, Adequate availability/initiation—buprenorphine-based MAT for all populations, standard practice among local emergency departments	None	No	1.0
syringe_service	categorical	Extent syringe service programs are available in the community	0, Not available 1, Limited availability—not enough supplies/staff, only in part of the community, only targeting specific populations (e.g., homeless population), or one-for-one exchange policies 2, Adequate availability—entire community and population can access program as needed	None	No	1.0
follow_up	categorical	Extent wraparound follow-up care is available after a nonfatal overdose	0, Not available 1, Limited availability—only in part of the community, only targeting specific populations 2, Adequate availability—entire community and population offered wraparound follow-up care	None	No	1.0
naloxone_sud	categorical	Extent naloxone is available among substance use disorder treatment providers	0, Not available 1, Limited availability—limited providers, targeting only specific populations 2, Adequate availability—a standard practice among providers in the community	None	No	1.0

Section 18 – Case-Specific Community Context						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
naloxone_cj	categorical	Extent naloxone is available in criminal justice facilities (for example, courts, jails, and probation	0, Not available 1, Limited availability—limited locations, targeting only specific populations 2, Adequate availability—a standard practice among area criminal justice system facilities	None	No	1.0
naloxone_le	categorical	Extent naloxone is available and used by law enforcement and other first responders?	0, Not available 1, Limited availability—limited agencies, limited officers/staff 2, Adequate availability—a standard practice among law enforcement and other first responders	None	No	1.0
policy_changes	binary	Any significant overdose prevention-related policy changes in the community, three months prior to death	0, No 1, Yes	None	No	1.0
prevention_funds	binary	Any significant overdose prevention-related funds awarded to the community, three months prior to death	0, No 1, Yes	None	No	1.0
prevention_funds_lost	binary	Any significant overdose prevention-related funds lost to the community, three months prior to death	0, No 1, Yes	None	No	1.0
elected_officials	binary	Any changes in elected officials in the community, three months prior to death	0, No 1, Yes	None	No	1.0
high_profile_od	binary	Any high-profile overdoses in the community in the 14 days prior to death	0, No 1, Yes	None	No	1.0
od_batch_spike	binary	Death possibly connected or related to a contaminated/tainted batch or a community spike in overdoses	0, No 1, Yes	None	No	1.0

Section 18 – Case-Specific Community Context						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
context_notes	text	Notes (for site use only)	--	None	No	1.0
casespecific_community_context_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Section 19– Site-Specific Variable						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**

Section 20– Narrative Section						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
narrative	text	Brief narrative	250-word limit	None	No	1.0
narrative_section_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Overdose Fatality Review County Profile

Section A—County Profile						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
record_id	text	REDCap-generated unique case identifier	--	None	No	1.0
countyprofilestate	categorical	State in which OFR team is located	See Appendix A for state codes.	None	No	1.0
countyprofile_*xx*	categorical	County in which OFR team is located	See Appendix B for county codes. 777, Not applicable 999, Unknown	countyprofilestate = '*xx*'	No	1.0
countyprofiledate	date	Date profile was entered	--	None	No	1.0
countyodmap	numeric	Level of ODMAP reporting at the county level	--	None	No	1.0
countyrural	numeric	Percentage of county population living in rural areas	--	None	No	1.0
countylifeexpectancy	numeric	Average number of years a person can expect to live	--	None	No	1.0
countyphysicaldistress	numeric	Percentage of adults reporting 14 or more days of poor physical health per month	--	None	No	1.0
countymentaldistress	numeric	Percentage of adults reporting 14 or more days of poor mental health per month	--	None	No	1.0
countyfoodinsecurity	numeric	Percentage of the population that lacks adequate access to food	--	None	No	1.0
countyoddeaths	numeric	Number of drug poisonings deaths per 100,000 population	--	None	No	1.0
countyuninsured	numeric	Percentage of the population under age 65 without health insurance	--	None	No	1.0
countyprimarycare	numeric	Ratio of population to primary care physicians	--	None	No	1.0
countymhmproviders	numeric	Ratio of population to mental health providers	--	None	No	1.0
countyhsgraduation	numeric	Percentage of ninth-grade cohort that graduates in four years	--	None	No	1.0
countyunemployment	numeric	Percentage of the population aged 16 and older unemployed but seeking work	--	None	No	1.0

Section A—County Profile						
countychildpoverty	numeric	Percentage of people under age 18 in poverty	--	None	No	1.0
countyincomeinequality	numeric	Ratio of household income at the 80th percentile to income at the 20th percentile	--	None	No	1.0
countysocialassoc	numeric	Number of membership associations per 10,000 population	--	None	No	1.0
countyviolentcrime	numeric	Number of reported violent crime offenses per 100,000 population	--	None	No	1.0
countydisconnectedyouth	numeric	Percentage of teens and youth adults aged 16–19 who are neither working nor in school	--	None	No	1.0
countymedianincome	numeric	Median income—where half of the households in a county earn more and half of households earn less	--	None	No	1.0
countyfreelunch	numeric	Percentage of children enrolled in public schools who are eligible for free or reduced-price lunch	--	None	No	1.0
countysegregation	numeric	Index of dissimilarity where higher values indicate greater residential segregation between nonwhite and white county residents	--	None	No	1.0
countysuicide	numeric	Number of deaths due to suicide per 100,000 population	--	None	No	1.0
countyhousingprob	numeric	Households with at least one of four housing problems: overcrowding, high housing costs, lack of kitchen facilities, or lack of plumbing facilities	--	None	No	1.0

Overdose Fatality Review Recommendation Monitoring

Section B—Recommendation Monitoring						
Variable name	**Type**	**Description**	**Response options**	**Skip logic**	**Identifier?**	**Version**
record_id	text	REDCap-generated unique case identifier	--	None	No	1.0
rec_text	text	Public/edited version of recommendation	--	None	No	1.0
rec_notes	text	Working draft/narrative of recommendation	--	None	No	1.0
rec_id_date	date	Date recommendation was identified/initiated	--	None	No	1.0
rec_cases	text	Cases that generated/related to recommendation	--	None	No	1.0
rec_data_type___1	binary	Data sources, Behavioral health record information	0, Unchecked 1, Checked	None	No	1.0
rec_data_type___2	binary	Data sources, Criminal justice record information	0, Unchecked 1, Checked	None	No	1.0
rec_data_type___3	binary	Data sources, Death certificate record information	0, Unchecked 1, Checked	None	No	1.0
rec_data_type___4	binary	Data sources, Family and social network interview information	0, Unchecked 1, Checked	None	No	1.0
rec_data_type___5	binary	Data sources, Forensic record information	0, Unchecked 1, Checked	None	No	1.0
rec_data_type___6	binary	Data sources, Medical care record information	0, Unchecked 1, Checked	None	No	1.0
rec_data_type___7	binary	Data sources, PDMP record information	0, Unchecked 1, Checked	None	No	1.0
rec_data_type___8	binary	Data sources, Social service record information	0, Unchecked 1, Checked	None	No	1.0
rec_data_type___88	binary	Data sources, Other	0, Unchecked 1, Checked	None	No	1.0
rec_data_type_othr	text	Specifies other data source shared at review meetings	--	rec_data_type___88 = 1 (Yes)	No	1.0
rec_member_type___1	numeric	Average number of years a person can expect to live	--	None	No	1.0

Section B—Recommendation Monitoring						
rec_member_type___2	binary	OFR member, Child protective services	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___3	binary	OFR member, Community corrections - probation and parole	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___4	binary	OFR member, Community prevention coalition	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___5	binary	OFR member, County sheriff's office	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___6	binary	OFR member, Court (not drug-related)	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___7	binary	OFR member, Drug treatment court	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___8	binary	OFR member, Education system	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___9	binary	OFR member, Emergency department	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___10	binary	OFR member, Emergency medical services	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___11	binary	OFR member, Faith-based services or healing leader	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___12	binary	OFR member, Harm-reduction program	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___13	binary	OFR member, High Intensity Drug Trafficking Areas (HIDTA) public health analyst	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___14	binary	OFR member, Hospital	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___15	binary	OFR member, Housing authority	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___16	binary	OFR member, Infectious disease	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___17	binary	OFR member, Jails	0, Unchecked 1, Checked	None	No	1.0

Section B—Recommendation Monitoring						
rec_member_type___18	binary	OFR member, Local law enforcement	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___19	binary	OFR member, Medical examiner/coroner	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___20	binary	OFR member, Medication-assisted treatment provider	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___21	binary	OFR member, Mental health provider	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___22	binary	OFR member, Outpatient/primary care	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___23	binary	OFR member, PDMP	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___24	binary	OFR member, Pharmacists	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___25	binary	OFR member, Prison	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___26	binary	OFR member, Prosecutor's office	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___27	binary	OFR member, Public health	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___28	binary	OFR member, Recovery support services	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___29	binary	OFR member, Social services	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___30	binary	OFR member, Substance use disorder treatment provider	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___31	binary	OFR member, Toxicologist	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___32	binary	OFR member, Tribal elder, community leader, or traditional healer	0, Unchecked 1, Checked	None	No	1.0
rec_member_type___88	binary	OFR member, Other	0, Unchecked 1, Checked	None	No	1.0
rec_member_type_othr	text	Specifies other OFR member present/represented at review meetings	--	rec_member_type___88 = 1 (Yes)	No	1.0

Section B—Recommendation Monitoring						
rec_type___1	binary	Recommendation type, Agency-specific	0, Unchecked 1, Checked	None	No	1.0
rec_type___2	binary	Recommendation type, Capacity-building	0, Unchecked 1, Checked	None	No	1.0
rec_type___3	binary	Recommendation type, Case-specific	0, Unchecked 1, Checked	None	No	1.0
rec_type___4	binary	Recommendation type, Population-specific	0, Unchecked 1, Checked	None	No	1.0
rec_type___5	binary	Recommendation type, Quality improvement	0, Unchecked 1, Checked	None	No	1.0
rec_type___6	binary	Recommendation type, Research-related	0, Unchecked 1, Checked	None	No	1.0
rec_type___7	binary	Recommendation type, Systemic	0, Unchecked 1, Checked	None	No	1.0
rec_type___88	binary	Recommendation type, Other	0, Unchecked 1, Checked	None	No	1.0
rec_type___99	binary	Recommendation type, Unknown	0, Unchecked 1, Checked	None	No	1.0
rec_type_othr	text	Specifies other type of recommendation	--	rec_type___88 =1 (Yes)	No	1.0
rec_level	binary	Prevention level, Primary/universal	0, Unchecked 1, Checked	None	No	1.0
rec_level	binary	Prevention level, Secondary/selective	0, Unchecked 1, Checked	None	No	1.0
rec_level	binary	Prevention level, Tertiary/targeted	0, Unchecked 1, Checked	None	No	1.0
rec_focus___1	binary	Focus population/issue, African Americans	0, Unchecked 1, Checked	None	No	1.0
rec_focus___2	binary	Focus population/issue, American Indians/Alaska Natives	0, Unchecked 1, Checked	None	No	1.0
rec_focus___3	binary	Focus population/issue, Asians	0, Unchecked 1, Checked	None	No	1.0
rec_focus___4	binary	Focus population/issue, Hispanics	0, Unchecked 1, Checked	None	No	1.0

Section B—Recommendation Monitoring						
rec_focus___5	binary	Focus population/issue, Whites	0, Unchecked 1, Checked	None	No	1.0
rec_focus___6	binary	Focus population/issue, Children	0, Unchecked 1, Checked	None	No	1.0
rec_focus___7	binary	Focus population/issue, Men and boys	0, Unchecked 1, Checked	None	No	1.0
rec_focus___8	binary	Focus population/issue, Women and girls	0, Unchecked 1, Checked	None	No	1.0
rec_focus___9	binary	Focus population/issue, Community	0, Unchecked 1, Checked	None	No	1.0
rec_focus___10	binary	Focus population/issue, Charging and sentencing	0, Unchecked 1, Checked	None	No	1.0
rec_focus___11	binary	Focus population/issue, Domestic violence	0, Unchecked 1, Checked	None	No	1.0
rec_focus___12	binary	Focus population/issue, Gangs	0, Unchecked 1, Checked	None	No	1.0
rec_focus___13	binary	Focus population/issue, Future research	0, Unchecked 1, Checked	None	No	1.0
rec_focus___14	binary	Focus population/issue, Homeless	0, Unchecked 1, Checked	None	No	1.0
rec_focus___15	binary	Focus population/issue, Mental health	0, Unchecked 1, Checked	None	No	1.0
rec_focus___16	binary	Focus population/issue, Nuisance or license permit	0, Unchecked 1, Checked	None	No	1.0
rec_focus___17	binary	Focus population/issue, Schools	0, Unchecked 1, Checked	None	No	1.0
rec_focus___18	binary	Focus population/issue, Sex workers	0, Unchecked 1, Checked	None	No	1.0
rec_focus___19	binary	Focus population/issue, Substance use	0, Unchecked 1, Checked	None	No	1.0
rec_focus___20	binary	Focus population/issue, Supervision and reentry	0, Unchecked 1, Checked	None	No	1.0
rec_focus___21	binary	Focus population/issue, Witnesses	0, Unchecked 1, Checked	None	No	1.0

Section B—Recommendation Monitoring						
rec_focus___88	binary	Focus population/issue, Other	0, Unchecked 1, Checked	None	No	1.0
rec_focus_othr	text	Specifies other focus population or issue	--	rec_focus___88 = 1 (Yes)	No	1.0
rec_jurisd_scope___1	binary	Jurisdictional level, Local	0, Unchecked 1, Checked	None	No	1.0
rec_jurisd_scope___2	binary	Jurisdictional level, State or territory	0, Unchecked 1, Checked	None	No	1.0
rec_jurisd_scope___3	binary	Jurisdictional level, Federal	0, Unchecked 1, Checked	None	No	1.0
rec_jurisd_scope___4	binary	Jurisdictional level, Tribe	0, Unchecked 1, Checked	None	No	1.0
rec_agency___1	binary	Agency responsible, Community correction/probation and parole	0, Unchecked 1, Checked	None	No	1.0
rec_agency___2	binary	Agency responsible, Community prevention coalition	0, Unchecked 1, Checked	None	No	1.0
rec_agency___3	binary	Agency responsible, Drug treatment court	0, Unchecked 1, Checked	None	No	1.0
rec_agency___4	binary	Agency responsible, Education system	0, Unchecked 1, Checked	None	No	1.0
rec_agency___5	binary	Agency responsible, Elected officials	0, Unchecked 1, Checked	None	No	1.0
rec_agency___6	binary	Agency responsible, Emergency department or hospital	0, Unchecked 1, Checked	None	No	1.0
rec_agency___7	binary	Agency responsible, Emergency medical services	0, Unchecked 1, Checked	None	No	1.0
rec_agency___8	binary	Agency responsible, Faith-based services	0, Unchecked 1, Checked	None	No	1.0
rec_agency___9	binary	Agency responsible, Harm-reduction services	0, Unchecked 1, Checked	None	No	1.0
rec_agency___10	binary	Agency responsible, HIDTA public health analyst	0, Unchecked 1, Checked	None	No	1.0
rec_agency___11	binary	Agency responsible, Housing authority	0, Unchecked 1, Checked	None	No	1.0

Section B—Recommendation Monitoring						
rec_agency___12	binary	Agency responsible, Jails	0, Unchecked 1, Checked	None	No	1.0
rec_agency___13	binary	Agency responsible, Local law enforcement agency	0, Unchecked 1, Checked	None	No	1.0
rec_agency___14	binary	Agency responsible, Medical examiner's/coroner's office	0, Unchecked 1, Checked	None	No	1.0
rec_agency___15	binary	Agency responsible, Mediation-assisted treatment providers	0, Unchecked 1, Checked	None	No	1.0
rec_agency___16	binary	Agency responsible, Mental health providers	0, Unchecked 1, Checked	None	No	1.0
rec_agency___17	binary	Agency responsible, Outpatient/primary care clinics	0, Unchecked 1, Checked	None	No	1.0
rec_agency___18	binary	Agency responsible, Pharmacies	0, Unchecked 1, Checked	None	No	1.0
rec_agency___19	binary	Agency responsible, Prosecutor's office	0, Unchecked 1, Checked	None	No	1.0
rec_agency___20	binary	Agency responsible, Public health	0, Unchecked 1, Checked	None	No	1.0
rec_agency___21	binary	Agency responsible, Sheriff's Office	0, Unchecked 1, Checked	None	No	1.0
rec_agency___22	binary	Agency responsible, Social services/child protective services	0, Unchecked 1, Checked	None	No	1.0
rec_agency___23	binary	Agency responsible, Substance use prevention	0, Unchecked 1, Checked	None	No	1.0
rec_agency___24	binary	Agency responsible, Substance use disorder treatment provider	0, Unchecked 1, Checked	None	No	1.0
rec_agency___88	binary	Agency responsible, Other	0, Unchecked 1, Checked	None	No	1.0
rec_agency_othr	text	Specifies other agency responsible for implementation	--	None	No	1.0

Section B—Recommendation Monitoring						
rec_status	categorical	Recommendation status	0, Not yet started 1, In progress 2, On hold 3, Completed 99, Unknown	None	No	1.0
rec_status date	date	Date of status update	--	None	No	1.0
rec_short	text	Short-term strategy 1	--	None	No	1.0
rec_short_2	text	Short-term strategy 2	--	rec_short ≠ “”	No	1.0
rec_short_3	text	Short-term strategy 3	--	rec_short_2 ≠ “”	No	1.0
rec_short_4	text	Short-term strategy 4	--	rec_short_3 ≠ “”	No	1.0
rec_short_5	text	Short-term strategy 5	--	rec_short_4 ≠ “”	No	1.0
rec_medium	text	Medium-term strategy 1	--	None	No	1.0
rec_medium_2	text	Medium-term strategy 2	--	rec_medium not = “”	No	1.0
rec_medium_3	text	Medium-term strategy 3	--	rec_medium_2 not = “”	No	1.0
rec_medium_4	text	Medium-term strategy 4	--	rec_medium_3 not = “”	No	1.0
rec_medium_5	text	Medium-term strategy 5	--	rec_medium_4 not = “”	No	1.0
rec_long	text	Long-term strategy 1	--	None	No	1.0
rec_long_2	text	Long-term strategy 2	--	rec_long not = “”	No	1.0
rec_long_3	text	Long-term strategy 3	--	rec_long_2 not = “”	No	1.0
rec_long_4	text	Long-term strategy 4	--	rec_long_3 not = “”	No	1.0
rec_long_5	text	Long-term strategy 5	--	rec_long_4 not = “”	No	1.0
rec_results	text	Recommendation accomplishments	--	None	No	1.0
rec_media	text	Media coverage notes	--	None	No	1.0
rec_lead	text	Contact information for agency with lead responsibility for implementation	--	None	No	1.0
rec_support_1	text	Support agency one: Contact information	--	None	No	1.0
rec_support_2	text	Support agency two: Contact information	--	rec_support_1 not = “”	No	1.0
rec_support_3	text	Support agency three: Contact information	--	rec_support_2 not = “”	No	1.0
rec_monitoring_complete	categorical	Complete?	0, Incomplete 1, Unverified 2, Complete	None	No	1.0

Appendix A (State Codes)

For variables birth_state, residence_state, overdose_state, death_state, and community_state, the variable value, when known, is the two-digit Federal Information Processing Standards (FIPS) code for the state or U.S. territory. Below are the codes associated with states and territories.

FIPS Code	State Name	Abbr
01	Alabama	AL
02	Alaska	AK
04	Arizona	AZ
05	Arkansas	AR
06	California	CA
08	Colorado	CO
09	Connecticut	CT
10	Delaware	DE
11	District of Columbia	DC
12	Florida	FL
13	Georgia	GA
15	Hawaii	HI
16	Idaho	ID
17	Illinois	IL
18	Indiana	IN
19	Iowa	IA
20	Kansas	KS
21	Kentucky	KY
22	Louisiana	LA

FIPS Code	State Name	Abbr
23	Maine	ME
24	Maryland	MD
25	Massachusetts	MA
26	Michigan	MI
27	Minnesota	MN
28	Mississippi	MS
29	Missouri	MO
30	Montana	MT
31	Nebraska	NE
32	Nevada	NV
33	New Hampshire	NH
34	New Jersey	NJ
35	New Mexico	NM
36	New York	NY
37	North Carolina	NC
38	North Dakota	ND
39	Ohio	OH
40	Oklahoma	OK
41	Oregon	OR
42	Pennsylvania	PA

FIPS Code	State Name	Abbr
44	Rhode Island	RI
45	South Carolina	SC
46	South Dakota	SD
47	Tennessee	TN
48	Texas	TX
49	Utah	UT
50	Vermont	VT
51	Virginia	VA
53	Washington	WA
54	West Virginia	WV
55	Wisconsin	WI
56	Wyoming	WY
60	American Samoa	AS
66	Guam	GU
69	Northern Mariana Islands	MP
72	Puerto Rico	PR
78	U.S. Virgin Islands	VI

Appendix B (County Codes)

For variables birth_county_*xx*, residence_county_*xx*, overdose_county_*xx*, death_county_*xx*, and community_county_*xx*, where "*xx*" is the two-letter abbreviation of the selected state, the variable value is the five-digit Federal Information Processing Standards (FIPS) code for the county or equivalent for that given state. For example, for Alabama, the associated county of birth variable would be birth_county_al. Note that Connecticut, Missouri, Nevada, and Virginia have "independent cities" that are not associated with a county. These are collected as well. Listed below are the FIPS codes for each county or equivalent for each state.

Alabama (al)

01001 Autauga County
01003 Baldwin County
01005 Barbour County
01007 Bibb County
01009 Blount County
01011 Bullock County
01013 Butler County
01015 Calhoun County
01017 Chambers County
01019 Cherokee County
01021 Chilton County
01023 Choctaw County
01025 Clarke County
01027 Clay County
01029 Cleburne County
01031 Coffee County
01033 Colbert County
01035 Conecuh County
01037 Coosa County
01039 Covington County
01041 Crenshaw County
01043 Cullman County
01045 Dale County
01047 Dallas County
01049 DeKalb County
01051 Elmore County
01053 Escambia County
01055 Etowah County
01057 Fayette County
01059 Franklin County
01061 Geneva County
01063 Greene County
01065 Hale County
01067 Henry County
01069 Houston County
01071 Jackson County
01073 Jefferson County
01075 Lamar County
01077 Lauderdale County
01079 Lawrence County
01081 Lee County
01083 Limestone County
01085 Lowndes County
01087 Macon County
01089 Madison County
01091 Marengo County
01093 Marion County
01095 Marshall County
01097 Mobile County
01099 Monroe County
01101 Montgomery County

01103 Morgan County

01105 Perry County

01107 Pickens County

01109 Pike County

01111 Randolph County

01113 Russell County

01115 St. Clair County

01117 Shelby County

01119 Sumter County

01121 Talladega County

01123 Tallapoosa County

01125 Tuscaloosa County

01127 Walker County

01129 Washington County

01131 Wilcox County

01133 Winston County

Alaska (ak)

02013 Aleutians East Borough

02016 Aleutians West Census Area

02020 Anchorage, Municipality of

02050 Bethel Census Area

02060 Bristol Bay Borough

02068 Denali Borough

02070 Dillingham Census Area

02090 Fairbanks North Star Borough

02100 Haines Borough

02105 Hoonah-Angoon Census Area

02110 Juneau, City and Borough of

02122 Kenai Peninsula Borough

02130 Ketchikan Gateway Borough

02150 Kodiak Island Borough

02158 Kusilvak Census Area

02164 Lake and Peninsula Borough

02170 Matanuska-Susitna Borough

02180 Nome Census Area

02185 North Slope Borough

02188 Northwest Arctic Borough

02195 Petersburg Borough

02198 Prince of Wales - Hyder Census Area

02220 Sitka, City and Borough of

02230 Skagway, Municipality of

02240 Southeast Fairbanks Census Area

02261 Valdez-Cordova Census Area

02275 Wrangell, City and Borough of

02282 Yakutat, City and Borough of

02290 Yukon-Koyukuk Census Area

Arizona (az)

04001 Apache County

04003 Cochise County

04005 Coconino County

04007 Gila County

04009 Graham County

04011 Greenlee County

04012 La Paz County

04013 Maricopa County

04015 Mohave County

04017 Navajo County

04019 Pima County

04021 Pinal County

04023 Santa Cruz County

04025 Yavapai County

04027 Yuma County

Arkansas (ar)

05001 Arkansas County

05003 Ashley County

05005 Baxter County

05007 Benton County

05009 Boone County

05011 Bradley County

05013 Calhoun County

05015 Carroll County

05017 Chicot County

05019 Clark County

05021 Clay County

05023 Cleburne County

05025 Cleveland County

05027 Columbia County

05029 Conway County

05031 Craighead County

05033 Crawford County

05035 Crittenden County

05037 Cross County

05039 Dallas County

05041 Desha County

05043 Drew County

05045 Faulkner County

05047 Franklin County

05049 Fulton County

05051 Garland County

05053 Grant County

05055 Greene County

05057 Hempstead County

05059 Hot Spring County

05061 Howard County

05063 Independence County

05065 Izard County

05067 Jackson County

05069 Jefferson County

05071 Johnson County

05073 Lafayette County

05075 Lawrence County

05077 Lee County

05079 Lincoln County

05081 Little River County

05083 Logan County

05085 Lonoke County

05087 Madison County

05089 Marion County

05091 Miller County

05093 Mississippi County

05095 Monroe County

05097 Montgomery County

05099 Nevada County

05101 Newton County

05103 Ouachita County

05105 Perry County

05107 Phillips County

05109 Pike County

05111 Poinsett County

05113 Polk County

05115 Pope County

05117 Prairie County

05119 Pulaski County

05121 Randolph County

05123 St. Francis County

05125 Saline County

05127 Scott County

05129 Searcy County

05131 Sebastian County

05133 Sevier County

05135 Sharp County

05137 Stone County

05139 Union County

05141 Van Buren County

05143 Washington County

05145 White County

05147 Woodruff County

05149 Yell County

California (ca)

06001 Alameda County

06003 Alpine County

06005 Amador County

06007 Butte County

06009 Calaveras County

06011 Colusa County

06013 Contra Costa County

06015 Del Norte County

06017 El Dorado County

06019 Fresno County

06021 Glenn County

06023 Humboldt County

06025 Imperial County

06027 Inyo County

06029 Kern County

06031 Kings County

06033 Lake County

06035 Lassen County

06037 Los Angeles County

06039 Madera County

06041 Marin County

06043 Mariposa County

06045 Mendocino County

06047 Merced County

06049 Modoc County

06051 Mono County

06053 Monterey County

06055 Napa County

06057 Nevada County

06059 Orange County

06061 Placer County

06063 Plumas County

06065 Riverside County

06067 Sacramento County

06069 San Benito County

06071 San Bernardino County

06073 San Diego County

06075 San Francisco, City and County of

06077 San Joaquin County

06079 San Luis Obispo County

06081 San Mateo County

06083 Santa Barbara County

06085 Santa Clara County

06087 Santa Cruz County

06089 Shasta County

06091 Sierra County

06093 Siskiyou County

06095 Solano County

06097 Sonoma County

06099 Stanislaus County

06101 Sutter County

06103 Tehama County

06105 Trinity County

06107 Tulare County

06109 Tuolumne County

06111 Ventura County

06113 Yolo County

06115 Yuba County

Colorado (co)

08001 Adams County

08003 Alamosa County

08005 Arapahoe County

08007 Archuleta County

08009 Baca County

08011 Bent County

08013 Boulder County

08014 Broomfield, City and County of

08015 Chaffee County

08017 Cheyenne County

08019 Clear Creek County

08021 Conejos County

08023 Costilla County

08025 Crowley County

08027 Custer County

08029 Delta County

08031 Denver, City and County of

08033 Dolores County

08035 Douglas County

08037 Eagle County

08039 Elbert County

08041 El Paso County

08043 Fremont County

08045 Garfield County

08047 Gilpin County

08049 Grand County

08051 Gunnison County

08053 Hinsdale County

08055 Huerfano County

08057 Jackson County

08059 Jefferson County

08061 Kiowa County

08063 Kit Carson County

08065 Lake County

08067 La Plata County

08069 Larimer County

08071 Las Animas County

08073 Lincoln County

08075 Logan County

08077 Mesa County

08079 Mineral County

08081 Moffat County

08083 Montezuma County

08085 Montrose County

08087 Morgan County

08089 Otero County

08091 Ouray County

08093 Park County

08095 Phillips County

08097 Pitkin County

08099 Prowers County

08101 Pueblo County

08103 Rio Blanco County

08105 Rio Grande County

08107 Routt County

08109 Saguache County

08111 San Juan County

08113 San Miguel County

08115 Sedgwick County

08117 Summit County

08119 Teller County

08121 Washington County

08123 Weld County

08125 Yuma County

Connecticut (ct)

09001 Fairfield County

09003 Hartford County

09005 Litchfield County

09007 Middlesex County

09009 New Haven County

09011 New London County

09013 Tolland County

09015 Windham County

Delaware (de)

10001 Kent County

10003 New Castle County

10005 Sussex County

District of Columbia (dc)

11001 District of Columbia

Florida (fl)

12003 Baker County

12005 Bay County

12007 Bradford County

12009 Brevard County

12011 Broward County

12013 Calhoun County

12015 Charlotte County

12017 Citrus County

12019 Clay County

12021 Collier County

12023 Columbia County

12027 DeSoto County

12029 Dixie County

12031 Duval County

12033 Escambia County

12035 Flagler County

12037 Franklin County

12039 Gadsden County

12041 Gilchrist County

12043 Glades County

12045 Gulf County

12047 Hamilton County

12049 Hardee County

12051 Hendry County

12053 Hernando County

12055 Highlands County

12057 Hillsborough County

12059 Holmes County

12061 Indian River County

12063 Jackson County

12065 Jefferson County

12067 Lafayette County

12069 Lake County

12071 Lee County

12073 Leon County

12075 Levy County

12077 Liberty County

12079 Madison County

12081 Manatee County

12083 Marion County

12085 Martin County

12086 Miami-Dade County

12087 Monroe County

12089 Nassau County

12091 Okaloosa County

12093 Okeechobee County

12095 Orange County

12097 Osceola County

12099 Palm Beach County

12101 Pasco County

12103 Pinellas County

12105 Polk County

12107 Putnam County

12109 St. Johns County

12111 St. Lucie County

12113 Santa Rosa County

12115 Sarasota County

12117 Seminole County

12119 Sumter County

12121 Suwannee County

12123 Taylor County

12125 Union County

12127 Volusia County

12129 Wakulla County

12131 Walton County

12133 Washington County

Georgia (ga)

13001 Appling County

13003 Atkinson County

13005 Bacon County

13007 Baker County

13009 Baldwin County

13011 Banks County

13013 Barrow County

13015 Bartow County

13017 Ben Hill County

13019 Berrien County

13021 Bibb County

13023 Bleckley County

13025 Brantley County

13027 Brooks County

13029 Bryan County

13031 Bulloch County

13033 Burke County

13035 Butts County

13037 Calhoun County

13039 Camden County

13043 Candler County

13045 Carroll County

13047 Catoosa County

13049 Charlton County

13051 Chatham County

13053 Chattahoochee County

13055 Chattooga County

13057 Cherokee County

13059 Clarke County

13061 Clay County

13063 Clayton County

13065 Clinch County

13067 Cobb County

13069 Coffee County

13071 Colquitt County

13073 Columbia County

13075 Cook County

13077 Coweta County

13079 Crawford County

13081 Crisp County

13083 Dade County

13085 Dawson County

13087 Decatur County

13089 DeKalb County

13091 Dodge County

13093 Dooly County

13095 Dougherty County

13097 Douglas County

13099 Early County

13101 Echols County

13103 Effingham County

13105 Elbert County

13107 Emanuel County

13109 Evans County

13111 Fannin County
13113 Fayette County
13115 Floyd County
13117 Forsyth County
13119 Franklin County
13121 Fulton County
13123 Gilmer County
13125 Glascock County
13127 Glynn County
13129 Gordon County
13131 Grady County
13133 Greene County
13135 Gwinnett County
13137 Habersham County
13139 Hall County
13141 Hancock County
13143 Haralson County
13145 Harris County
13147 Hart County
13149 Heard County
13151 Henry County
13153 Houston County
13155 Irwin County
13157 Jackson County
13159 Jasper County
13161 Jeff Davis County
13163 Jefferson County
13165 Jenkins County
13167 Johnson County
13169 Jones County
13171 Lamar County
13173 Lanier County
13175 Laurens County
13177 Lee County
13179 Liberty County
13181 Lincoln County
13183 Long County
13185 Lowndes County
13187 Lumpkin County
13189 McDuffie County
13191 McIntosh County
13193 Macon County
13195 Madison County
13197 Marion County
13199 Meriwether County
13201 Miller County
13205 Mitchell County
13207 Monroe County
13209 Montgomery County
13211 Morgan County
13213 Murray County
13215 Muscogee County
13217 Newton County
13219 Oconee County
13221 Oglethorpe County
13223 Paulding County
13225 Peach County
13227 Pickens County
13229 Pierce County
13231 Pike County
13233 Polk County
13235 Pulaski County
13237 Putnam County
13239 Quitman County
13241 Rabun County
13243 Randolph County
13245 Richmond County
13247 Rockdale County
13249 Schley County
13251 Screven County
13253 Seminole County

13255 Spalding County

13257 Stephens County

13259 Stewart County

13261 Sumter County

13263 Talbot County

13265 Taliaferro County

13267 Tattnall County

13269 Taylor County

13271 Telfair County

13273 Terrell County

13275 Thomas County

13277 Tift County

13279 Toombs County

13281 Towns County

13283 Treutlen County

13285 Troup County

13287 Turner County

13289 Twiggs County

13291 Union County

13293 Upson County

13295 Walker County

13297 Walton County

13299 Ware County

13301 Warren County

13303 Washington County

13305 Wayne County

13307 Webster County

13309 Wheeler County

13311 White County

13313 Whitfield County

13315 Wilcox County

13317 Wilkes County

13319 Wilkinson County

13321 Worth County

Hawaii (hi)

15001 Hawaii County

15003 Honolulu, City and County of

15005 Kalawao County

15007 Kauai County

15009 Maui County

Idaho (id)

16001 Ada County

16003 Adams County

16005 Bannock County

16007 Bear Lake County

16009 Benewah County

16011 Bingham County

16013 Blaine County

16015 Boise County

16017 Bonner County

16019 Bonneville County

16021 Boundary County

16023 Butte County

16025 Camas County

16027 Canyon County

16029 Caribou County

16031 Cassia County

16033 Clark County

16035 Clearwater County

16037 Custer County

16039 Elmore County

16041 Franklin County

16043 Fremont County

16045 Gem County

16047 Gooding County

16049 Idaho County

16051 Jefferson County

16053 Jerome County

16055 Kootenai County

16057 Latah County
16059 Lemhi County
16061 Lewis County
16063 Lincoln County
16065 Madison County
16067 Minidoka County
16069 Nez Perce County
16071 Oneida County
16073 Owyhee County
16075 Payette County
16077 Power County
16079 Shoshone County
16081 Teton County
16083 Twin Falls County
16085 Valley County
16087 Washington County

Illinois (il)

17001 Adams County
17003 Alexander County
17005 Bond County
17007 Boone County
17009 Brown County
17011 Bureau County
17013 Calhoun County
17015 Carroll County
17017 Cass County
17019 Champaign County
17021 Christian County
17023 Clark County
17025 Clay County
17027 Clinton County
17029 Coles County
17031 Cook County
17033 Crawford County
17035 Cumberland County
17037 DeKalb County
17039 De Witt County
17041 Douglas County
17043 DuPage County
17045 Edgar County
17047 Edwards County
17049 Effingham County
17051 Fayette County
17053 Ford County
17055 Franklin County
17057 Fulton County
17059 Gallatin County
17061 Greene County
17063 Grundy County
17065 Hamilton County
17067 Hancock County
17069 Hardin County
17071 Henderson County
17073 Henry County
17075 Iroquois County
17077 Jackson County
17079 Jasper County
17081 Jefferson County
17083 Jersey County
17085 Jo Daviess County
17087 Johnson County
17089 Kane County
17091 Kankakee County
17093 Kendall County
17095 Knox County
17097 Lake County
17099 LaSalle County
17101 Lawrence County
17103 Lee County

17105 Livingston County

17107 Logan County

17109 McDonough County

17111 McHenry County

17113 McLean County

17115 Macon County

17117 Macoupin County

17119 Madison County

17121 Marion County

17123 Marshall County

17125 Mason County

17127 Massac County

17129 Menard County

17131 Mercer County

17133 Monroe County

17135 Montgomery County

17137 Morgan County

17139 Moultrie County

17141 Ogle County

17143 Peoria County

17145 Perry County

17147 Piatt County

17149 Pike County

17151 Pope County

17153 Pulaski County

17155 Putnam County

17157 Randolph County

17159 Richland County

17161 Rock Island County

17163 St. Clair County

17165 Saline County

17167 Sangamon County

17169 Schuyler County

17171 Scott County

17173 Shelby County

17175 Stark County

17177 Stephenson County

17179 Tazewell County

17181 Union County

17183 Vermilion County

17185 Wabash County

17187 Warren County

17189 Washington County

17191 Wayne County

17193 White County

17195 Whiteside County

17197 Will County

17199 Williamson County

17201 Winnebago County

17203 Woodford County

Indiana (in)

18001 Adams County

18003 Allen County

18005 Bartholomew County

18007 Benton County

18009 Blackford County

18011 Boone County

18013 Brown County

18015 Carroll County

18017 Cass County

18019 Clark County

18021 Clay County

18023 Clinton County

18025 Crawford County

18027 Daviess County

18029 Dearborn County

18031 Decatur County

18033 DeKalb County

18035 Delaware County

18037 Dubois County

18039 Elkhart County

18041 Fayette County

18043 Floyd County

18045 Fountain County

18047 Franklin County

18049 Fulton County

18051 Gibson County

18053 Grant County

18055 Greene County

18057 Hamilton County

18059 Hancock County

18061 Harrison County

18063 Hendricks County

18065 Henry County

18067 Howard County

18069 Huntington County

18071 Jackson County

18073 Jasper County

18075 Jay County

18077 Jefferson County

18079 Jennings County

18081 Johnson County

18083 Knox County

18085 Kosciusko County

18087 LaGrange County

18089 Lake County

18091 LaPorte County

18093 Lawrence County

18095 Madison County

18097 Marion County

18099 Marshall County

18101 Martin County

18103 Miami County

18105 Monroe County

18107 Montgomery County

18109 Morgan County

18111 Newton County

18113 Noble County

18115 Ohio County

18117 Orange County

18119 Owen County

18121 Parke County

18123 Perry County

18125 Pike County

18127 Porter County

18129 Posey County

18131 Pulaski County

18133 Putnam County

18135 Randolph County

18137 Ripley County

18139 Rush County

18141 St. Joseph County

18143 Scott County

18145 Shelby County

18147 Spencer County

18149 Starke County

18151 Steuben County

18153 Sullivan County

18155 Switzerland County

18157 Tippecanoe County

18159 Tipton County

18161 Union County

18163 Vanderburgh County

18165 Vermillion County

18167 Vigo County

18169 Wabash County

18171 Warren County

18173 Warrick County

18175 Washington County
18177 Wayne County
18179 Wells County
18181 White County
18183 Whitley County

Iowa (ia)

19001 Adair County
19003 Adams County
19005 Allamakee County
19007 Appanoose County
19009 Audubon County
19011 Benton County
19013 Black Hawk County
19015 Boone County
19017 Bremer County
19019 Buchanan County
19021 Buena Vista County
19023 Butler County
19025 Calhoun County
19027 Carroll County
19029 Cass County
19031 Cedar County
19033 Cerro Gordo County
19035 Cherokee County
19037 Chickasaw County
19039 Clarke County
19041 Clay County
19043 Clayton County
19045 Clinton County
19047 Crawford County
19049 Dallas County
19051 Davis County
19053 Decatur County
19055 Delaware County
19057 Des Moines County
19059 Dickinson County
19061 Dubuque County
19063 Emmet County
19065 Fayette County
19067 Floyd County
19069 Franklin County
19071 Fremont County
19073 Greene County
19075 Grundy County
19077 Guthrie County
19079 Hamilton County
19081 Hancock County
19083 Hardin County
19085 Harrison County
19087 Henry County
19089 Howard County
19091 Humboldt County
19093 Ida County
19095 Iowa County
19097 Jackson County
19099 Jasper County
19101 Jefferson County
19103 Johnson County
19105 Jones County
19107 Keokuk County
19109 Kossuth County
19111 Lee County
19113 Linn County
19115 Louisa County
19117 Lucas County
19119 Lyon County
19121 Madison County
19123 Mahaska County
19125 Marion County
19127 Marshall County
19129 Mills County

19131 Mitchell County

19133 Monona County

19135 Monroe County

19137 Montgomery County

19139 Muscatine County

19141 O'Brien County

19143 Osceola County

19145 Page County

19147 Palo Alto County

19149 Plymouth County

19151 Pocahontas County

19153 Polk County

19155 Pottawattamie County

19157 Poweshiek County

19159 Ringgold County

19161 Sac County

19163 Scott County

19165 Shelby County

19167 Sioux County

19169 Story County

19171 Tama County

19173 Taylor County

19175 Union County

19177 Van Buren County

19179 Wapello County

19181 Warren County

19183 Washington County

19185 Wayne County

19187 Webster County

19189 Winnebago County

19191 Winneshiek County

19193 Woodbury County

19195 Worth County

19197 Wright County

Kansas (ks)

20001 Allen County

20003 Anderson County

20005 Atchison County

20007 Barber County

20009 Barton County

20011 Bourbon County

20013 Brown County

20015 Butler County

20017 Chase County

20019 Chautauqua County

20021 Cherokee County

20023 Cheyenne County

20025 Clark County

20027 Clay County

20029 Cloud County

20031 Coffey County

20033 Comanche County

20035 Cowley County

20037 Crawford County

20039 Decatur County

20041 Dickinson County

20043 Doniphan County

20045 Douglas County

20047 Edwards County

20049 Elk County

20051 Ellis County

20053 Ellsworth County

20055 Finney County

20057 Ford County

20059 Franklin County

20061 Geary County

20063 Gove County

20065 Graham County

20067 Grant County

20069 Gray County

20071 Greeley County

20073 Greenwood County

20075 Hamilton County

20077 Harper County

20079 Harvey County

20081 Haskell County

20083 Hodgeman County

20085 Jackson County

20087 Jefferson County

20089 Jewell County

20091 Johnson County

20093 Kearny County

20095 Kingman County

20097 Kiowa County

20099 Labette County

20101 Lane County

20103 Leavenworth County

20105 Lincoln County

20107 Linn County

20109 Logan County

20111 Lyon County

20113 McPherson County

20115 Marion County

20117 Marshall County

20119 Meade County

20121 Miami County

20123 Mitchell County

20125 Montgomery County

20127 Morris County

20129 Morton County

20131 Nemaha County

20133 Neosho County

20135 Ness County

20137 Norton County

20139 Osage County

20141 Osborne County

20143 Ottawa County

20145 Pawnee County

20147 Phillips County

20149 Pottawatomie County

20151 Pratt County

20153 Rawlins County

20155 Reno County

20157 Republic County

20159 Rice County

20161 Riley County

20163 Rooks County

20165 Rush County

20167 Russell County

20169 Saline County

20171 Scott County

20173 Sedgwick County

20175 Seward County

20177 Shawnee County

20179 Sheridan County

20181 Sherman County

20183 Smith County

20185 Stafford County

20187 Stanton County

20189 Stevens County

20191 Sumner County

20193 Thomas County

20195 Trego County

20197 Wabaunsee County

20199 Wallace County

20201 Washington County

20203 Wichita County

20205 Wilson County
20207 Woodson County
20209 Wyandotte County

Kentucky (ky)

21001 Adair County
21003 Allen County
21005 Anderson County
21007 Ballard County
21009 Barren County
21011 Bath County
21013 Bell County
21015 Boone County
21017 Bourbon County
21019 Boyd County
21021 Boyle County
21023 Bracken County
21025 Breathitt County
21027 Breckinridge County
21029 Bullitt County
21031 Butler County
21033 Caldwell County
21035 Calloway County
21037 Campbell County
21039 Carlisle County
21041 Carroll County
21043 Carter County
21045 Casey County
21047 Christian County
21049 Clark County
21051 Clay County
21053 Clinton County
21055 Crittenden County
21057 Cumberland County
21059 Daviess County
21061 Edmonson County
21063 Elliott County
21065 Estill County
21067 Fayette County
21069 Fleming County
21071 Floyd County
21073 Franklin County
21075 Fulton County
21077 Gallatin County
21079 Garrard County
21081 Grant County
21083 Graves County
21085 Grayson County
21087 Green County
21089 Greenup County
21091 Hancock County
21093 Hardin County
21095 Harlan County
21097 Harrison County
21099 Hart County
21101 Henderson County
21103 Henry County
21105 Hickman County
21107 Hopkins County
21109 Jackson County
21111 Jefferson County
21113 Jessamine County
21115 Johnson County
21117 Kenton County
21119 Knott County
21121 Knox County
21123 LaRue County
21125 Laurel County
21127 Lawrence County
21129 Lee County
21131 Leslie County
21133 Letcher County

21135 Lewis County

21137 Lincoln County

21139 Livingston County

21141 Logan County

21143 Lyon County

21145 McCracken County

21147 McCreary County

21149 McLean County

21151 Madison County

21153 Magoffin County

21155 Marion County

21157 Marshall County

21159 Martin County

21161 Mason County

21163 Meade County

21165 Menifee County

21167 Mercer County

21169 Metcalfe County

21171 Monroe County

21173 Montgomery County

21175 Morgan County

21177 Muhlenberg County

21179 Nelson County

21181 Nicholas County

21183 Ohio County

21185 Oldham County

21187 Owen County

21189 Owsley County

21191 Pendleton County

21193 Perry County

21195 Pike County

21197 Powell County

21199 Pulaski County

21201 Robertson County

21203 Rockcastle County

21205 Rowan County

21207 Russell County

21209 Scott County

21211 Shelby County

21213 Simpson County

21215 Spencer County

21217 Taylor County

21219 Todd County

21221 Trigg County

21223 Trimble County

21225 Union County

21227 Warren County

21229 Washington County

21231 Wayne County

21233 Webster County

21235 Whitley County

21237 Wolfe County

21239 Woodford County

Louisiana (la)

22001 Acadia Parish

22003 Allen Parish

22005 Ascension Parish

22007 Assumption Parish

22009 Avoyelles Parish

22011 Beauregard Parish

22013 Bienville Parish

22015 Bossier Parish

22017 Caddo Parish

22019 Calcasieu Parish

22021 Caldwell Parish

22023 Cameron Parish

22025 Catahoula Parish

22027 Claiborne Parish

22029 Concordia Parish

22031 De Soto Parish

22033 East Baton Rouge Parish

22035 East Carroll Parish

22037 East Feliciana Parish

22039 Evangeline Parish

22041 Franklin Parish

22043 Grant Parish

22045 Iberia Parish

22047 Iberville Parish

22049 Jackson Parish

22051 Jefferson Parish

22053 Jefferson Davis Parish

22055 Lafayette Parish

22057 Lafourche Parish

22059 LaSalle Parish

22061 Lincoln Parish

22063 Livingston Parish

22065 Madison Parish

22067 Morehouse Parish

22069 Natchitoches Parish

22071 Orleans Parish

22073 Ouachita Parish

22075 Plaquemines Parish

22077 Pointe Coupee Parish

22079 Rapides Parish

22081 Red River Parish

22083 Richland Parish

22085 Sabine Parish

22087 St. Bernard Parish

22089 St. Charles Parish

22091 St. Helena Parish

22093 St. James Parish

22095 St. John the Baptist Parish

22097 St. Landry Parish

22099 St. Martin Parish

22101 St. Mary Parish

22103 St. Tammany Parish

22105 Tangipahoa Parish

22107 Tensas Parish

22109 Terrebonne Parish

22111 Union Parish

22113 Vermilion Parish

22115 Vernon Parish

22117 Washington Parish

22119 Webster Parish

22121 West Baton Rouge Parish

22123 West Carroll Parish

22125 West Feliciana Parish

22127 Winn Parish

Maine (ma)

23001 Androscoggin County

23003 Aroostook County

23005 Cumberland County

23007 Franklin County

23009 Hancock County

23011 Kennebec County

23013 Knox County

23015 Lincoln County

23017 Oxford County

23019 Penobscot County

23021 Piscataquis County

23023 Sagadahoc County

23025 Somerset County

23027 Waldo County

23029 Washington County

23031 York County

Maryland (md)

24001 Allegany County

24003 Anne Arundel County

24005 Baltimore County

24009 Calvert County

24011 Caroline County

24013 Carroll County

24015 Cecil County

24017 Charles County

24019 Dorchester County

24021 Frederick County

24023 Garrett County

24025 Harford County

24027 Howard County

24029 Kent County

24031 Montgomery County

24033 Prince George's County

24035 Queen Anne's County

24037 St. Mary's County

24039 Somerset County

24041 Talbot County

24043 Washington County

24045 Wicomico County

24047 Worcester County

24510 Baltimore City

Massachusetts (ma)

25001 Barnstable County

25003 Berkshire County

25005 Bristol County

25007 Dukes County

25009 Essex County

25011 Franklin County

25013 Hampden County

25015 Hampshire County

25017 Middlesex County

25019 Nantucket, Town and County of

25021 Norfolk County

25023 Plymouth County

25025 Suffolk County

25027 Worcester County

Michigan (mi)

26001 Alcona County

26003 Alger County

26005 Allegan County

26007 Alpena County

26009 Antrim County

26011 Arenac County

26013 Baraga County

26015 Barry County

26017 Bay County

26019 Benzie County

26021 Berrien County

26023 Branch County

26025 Calhoun County

26027 Cass County

26029 Charlevoix County

26031 Cheboygan County

26033 Chippewa County

26035 Clare County

26037 Clinton County

26039 Crawford County

26041 Delta County

26043 Dickinson County

26045 Eaton County

26047 Emmet County

26049 Genesee County

26051 Gladwin County

26053 Gogebic County

26055 Grand Traverse County

26057 Gratiot County

26059 Hillsdale County

26061 Houghton County

26063 Huron County

26065 Ingham County

26067 Ionia County

26069 Iosco County

26071 Iron County

26073 Isabella County

26075 Jackson County

26077 Kalamazoo County

26079 Kalkaska County

26081 Kent County

26083 Keweenaw County

26085 Lake County

26087 Lapeer County

26089 Leelanau County

26091 Lenawee County

26093 Livingston County

26095 Luce County

26097 Mackinac County

26099 Macomb County

26101 Manistee County

26103 Marquette County

26105 Mason County

26107 Mecosta County

26109 Menominee County

26111 Midland County

26113 Missaukee County

26115 Monroe County

26117 Montcalm County

26119 Montmorency County

26121 Muskegon County

26123 Newaygo County

26125 Oakland County

26127 Oceana County

26129 Ogemaw County

26131 Ontonagon County

26133 Osceola County

26135 Oscoda County

26137 Otsego County

26139 Ottawa County

26141 Presque Isle County

26143 Roscommon County

26145 Saginaw County

26147 St. Clair County

26149 St. Joseph County

26151 Sanilac County

26153 Schoolcraft County

26155 Shiawassee County

26157 Tuscola County

26159 Van Buren County

26161 Washtenaw County

26163 Wayne County

26165 Wexford County

Minnesota (mn)

27001 Aitkin County

27003 Anoka County

27005 Becker County

27007 Beltrami County

27009 Benton County

27011 Big Stone County

27013 Blue Earth County

27015 Brown County

27017 Carlton County

27019 Carver County

27021 Cass County

27023 Chippewa County

27025 Chisago County

27027 Clay County

27029 Clearwater County

27031 Cook County

27033 Cottonwood County

27035 Crow Wing County

27037 Dakota County

27039 Dodge County

27041 Douglas County

27043 Faribault County

27045 Fillmore County

27047 Freeborn County

27049 Goodhue County

27051 Grant County

27053 Hennepin County

27055 Houston County

27057 Hubbard County

27059 Isanti County

27061 Itasca County

27063 Jackson County

27065 Kanabec County

27067 Kandiyohi County

27069 Kittson County

27071 Koochiching County

27073 Lac qui Parle County

27075 Lake County

27077 Lake of the Woods County

27079 Le Sueur County

27081 Lincoln County

27083 Lyon County

27085 McLeod County

27087 Mahnomen County

27089 Marshall County

27091 Martin County

27093 Meeker County

27095 Mille Lacs County

27097 Morrison County

27099 Mower County

27101 Murray County

27103 Nicollet County

27105 Nobles County

27107 Norman County

27109 Olmsted County

27111 Otter Tail County

27113 Pennington County

27115 Pine County

27117 Pipestone County

27119 Polk County

27121 Pope County

27123 Ramsey County

27125 Red Lake County

27127 Redwood County

27129 Renville County

27131 Rice County

27133 Rock County

27135 Roseau County

27137 St. Louis County

27139 Scott County

27141 Sherburne County

27143 Sibley County

27145 Stearns County

27147 Steele County

27149 Stevens County

27151 Swift County

27153 Todd County

27155 Traverse County

27157 Wabasha County

27159 Wadena County

27161 Waseca County

27163 Washington County

27165 Watonwan County

27167 Wilkin County

27169 Winona County

27171 Wright County

27173 Yellow Medicine County

Mississippi (ms)

28001 Adams County

28003 Alcorn County

28005 Amite County

28007 Attala County

28009 Benton County

28011 Bolivar County

28013 Calhoun County

28015 Carroll County

28017 Chickasaw County

28019 Choctaw County

28021 Claiborne County

28023 Clarke County

28025 Clay County

28027 Coahoma County

28029 Copiah County

28031 Covington County

28033 DeSoto County

28035 Forrest County

28037 Franklin County

28039 George County

28041 Greene County

28043 Grenada County

28045 Hancock County

28047 Harrison County

28049 Hinds County

28051 Holmes County

28053 Humphreys County

28055 Issaquena County

28057 Itawamba County

28059 Jackson County

28061 Jasper County

28063 Jefferson County

28065 Jefferson Davis County

28067 Jones County

28069 Kemper County

28071 Lafayette County

28073 Lamar County

28075 Lauderdale County

28077 Lawrence County

28079 Leake County

28081 Lee County

28083 Leflore County

28085 Lincoln County

28087 Lowndes County

28089 Madison County

28091 Marion County

28093 Marshall County

28095 Monroe County

28097 Montgomery County

28099 Neshoba County

28101 Newton County

28103 Noxubee County

28105 Oktibbeha County

28107 Panola County

28109 Pearl River County

28111 Perry County

28113 Pike County

28115 Pontotoc County

28117 Prentiss County

28119 Quitman County

28121 Rankin County

28123 Scott County

28125 Sharkey County

28127 Simpson County

28129 Smith County

28131 Stone County

28133 Sunflower County

28135 Tallahatchie County

28137 Tate County

28139 Tippah County

28141 Tishomingo County

28143 Tunica County

28145 Union County

28147 Walthall County

28149 Warren County

28151 Washington County

28153 Wayne County

28155 Webster County

28157 Wilkinson County

28159 Winston County

28161 Yalobusha County

28163 Yazoo County

Missouri (mo)

29001 Adair County

29003 Andrew County

29005 Atchison County

29007 Audrain County

29009 Barry County

29011 Barton County

29013 Bates County

29015 Benton County

29017 Bollinger County

29019 Boone County

29021 Buchanan County

29023 Butler County

29025 Caldwell County

29027 Callaway County

29029 Camden County

29031 Cape Girardeau County

29033 Carroll County

29035 Carter County

29037 Cass County

29039 Cedar County

29041 Chariton County

29043 Christian County

29045 Clark County

29047 Clay County

29049 Clinton County

29051 Cole County

29053 Cooper County

29055 Crawford County

29057 Dade County

29059 Dallas County

29061 Daviess County

29063 DeKalb County

29065 Dent County

29067 Douglas County

29069 Dunklin County

29071 Franklin County

29073 Gasconade County

29075 Gentry County

29077 Greene County

29079 Grundy County

29081 Harrison County

29083 Henry County

29085 Hickory County

29087 Holt County

29089 Howard County

29091 Howell County

29093 Iron County

29095 Jackson County

29097 Jasper County

29099 Jefferson County

29101 Johnson County

29103 Knox County

29105 Laclede County

29107 Lafayette County

29109 Lawrence County

29111 Lewis County

29113 Lincoln County

29115 Linn County

29117 Livingston County

29119 McDonald County

29121 Macon County

29123 Madison County

29125 Maries County

29127 Marion County

29129 Mercer County

29131 Miller County

29133 Mississippi County

29135 Moniteau County

29137 Monroe County

29139 Montgomery County

29141 Morgan County

29143 New Madrid County

29145 Newton County

29147 Nodaway County

29149 Oregon County

29151 Osage County

29153 Ozark County

29155 Pemiscot County

29157 Perry County

29159 Pettis County

29161 Phelps County

29163 Pike County

29165 Platte County

29167 Polk County

29169 Pulaski County

29171 Putnam County

29173 Ralls County

29175 Randolph County

29177 Ray County

29179 Reynolds County

29181 Ripley County

29183 St. Charles County

29185 St. Clair County

29186 Ste. Genevieve County

29187 St. Francois County

29189 St. Louis County

29195 Saline County

29197 Schuyler County

29199 Scotland County

29201 Scott County

29203 Shannon County

29205 Shelby County

29207 Stoddard County

29209 Stone County

29211 Sullivan County

29213 Taney County

29215 Texas County

29217 Vernon County

29219 Warren County

29221 Washington County

29223 Wayne County

29225 Webster County

29227 Worth County

29229 Wright County

29510 St. Louis, City of

Montana (mt)

30001 Beaverhead County

30003 Big Horn County

30005 Blaine County

30007 Broadwater County

30009 Carbon County

30011 Carter County

30013 Cascade County

30015 Chouteau County

30017 Custer County

30019 Daniels County

30021 Dawson County

30023 Deer Lodge County

30025 Fallon County

30027 Fergus County

30029 Flathead County

30031 Gallatin County

30033 Garfield County

30035 Glacier County

30037 Golden Valley County

30039 Granite County

30041 Hill County

30043 Jefferson County

30045 Judith Basin County

30047 Lake County

30049 Lewis and Clark County

30051 Liberty County

30053 Lincoln County

30055 McCone County

30057 Madison County

30059 Meagher County

30061 Mineral County

30063 Missoula County

30065 Musselshell County

30067 Park County

30069 Petroleum County

30071 Phillips County

30073 Pondera County

30075 Powder River County

30077 Powell County

30079 Prairie County

30081 Ravalli County

30083 Richland County

30085 Roosevelt County

30087 Rosebud County

30089 Sanders County

30091 Sheridan County

30093 Silver Bow County

30095 Stillwater County

30097 Sweet Grass County

30099 Teton County

30101 Toole County

30103 Treasure County

30105 Valley County

30107 Wheatland County

30109 Wibaux County

30111 Yellowstone County

28163 Yazoo County

Nebraska (ne)

31001 Adams County

31003 Antelope County

31005 Arthur County

31007 Banner County

31009 Blaine County

31011 Boone County

31013 Box Butte County

31015 Boyd County

31017 Brown County

31019 Buffalo County

31021 Burt County

31023 Butler County

31025 Cass County
31027 Cedar County
31029 Chase County
31031 Cherry County
31033 Cheyenne County
31035 Clay County
31037 Colfax County
31039 Cuming County
31041 Custer County
31043 Dakota County
31045 Dawes County
31047 Dawson County
31049 Deuel County
31051 Dixon County
31053 Dodge County
31055 Douglas County
31057 Dundy County
31059 Fillmore County
31061 Franklin County
31063 Frontier County
31065 Furnas County
31067 Gage County
31069 Garden County
31071 Garfield County
31073 Gosper County
31075 Grant County
31077 Greeley County
31079 Hall County
31081 Hamilton County
31083 Harlan County
31085 Hayes County
31087 Hitchcock County
31089 Holt County
31091 Hooker County
31093 Howard County
31095 Jefferson County
31097 Johnson County
31099 Kearney County
31101 Keith County
31103 Keya Paha County
31105 Kimball County
31107 Knox County
31109 Lancaster County
31111 Lincoln County
31113 Logan County
31115 Loup County
31117 McPherson County
31119 Madison County
31121 Merrick County
31123 Morrill County
31125 Nance County
31127 Nemaha County
31129 Nuckolls County
31131 Otoe County
31133 Pawnee County
31135 Perkins County
31137 Phelps County
31139 Pierce County
31141 Platte County
31143 Polk County
31145 Red Willow County
31147 Richardson County
31149 Rock County
31151 Saline County
31153 Sarpy County
31155 Saunders County
31157 Scotts Bluff County
31159 Seward County
31161 Sheridan County
31163 Sherman County
31165 Sioux County
31167 Stanton County

31169 Thayer County

31171 Thomas County

31173 Thurston County

31175 Valley County

31177 Washington County

31179 Wayne County

31181 Webster County

31183 Wheeler County

31185 York County

Nevada (nv)

32001 Churchill County

32003 Clark County

32005 Douglas County

32007 Elko County

32009 Esmeralda County

32011 Eureka County

32013 Humboldt County

32015 Lander County

32017 Lincoln County

32019 Lyon County

32021 Mineral County

32023 Nye County

32027 Pershing County

32029 Storey County

32031 Washoe County

32033 White Pine County

32510 Carson City, Consolidated Municipality of

New Hampshire (nh)

33001 Belknap County

33003 Carroll County

33005 Cheshire County

33007 Coos County

33009 Grafton County

33011 Hillsborough County

33013 Merrimack County

33015 Rockingham County

33017 Strafford County

33019 Sullivan County

New Jersey (nj)

34001 Atlantic County

34003 Bergen County

34005 Burlington County

34007 Camden County

34009 Cape May County

34011 Cumberland County

34013 Essex County

34015 Gloucester County

34017 Hudson County

34019 Hunterdon County

34021 Mercer County

34023 Middlesex County

34025 Monmouth County

34027 Morris County

34029 Ocean County

34031 Passaic County

34033 Salem County

34035 Somerset County

34037 Sussex County

34039 Union County

34041 Warren County

New Mexico (nm)

35001 Bernalillo County

35003 Catron County

35005 Chaves County

35006 Cibola County

35007 Colfax County

35009 Curry County

35011 De Baca County

35013 Doña Ana County

35015 Eddy County

35017 Grant County

35019 Guadalupe County

35021 Harding County

35023 Hidalgo County

35025 Lea County

35027 Lincoln County

35028 Los Alamos County

35029 Luna County

35031 McKinley County

35033 Mora County

35035 Otero County

35037 Quay County

35039 Rio Arriba County

35041 Roosevelt County

35043 Sandoval County

35045 San Juan County

35047 San Miguel County

35049 Santa Fe County

35051 Sierra County

35053 Socorro County

35055 Taos County

35057 Torrance County

35059 Union County

35061 Valencia County

New York (ny)

36001 Albany County

36003 Allegany County

36005 Bronx County

36007 Broome County

36009 Cattaraugus County

36011 Cayuga County

36013 Chautauqua County

36015 Chemung County

36017 Chenango County

36019 Clinton County

36021 Columbia County

36023 Cortland County

36025 Delaware County

36027 Dutchess County

36029 Erie County

36031 Essex County

36033 Franklin County

36035 Fulton County

36037 Genesee County

36039 Greene County

36041 Hamilton County

36043 Herkimer County

36045 Jefferson County

36047 Kings County

36049 Lewis County

36051 Livingston County

36053 Madison County

36055 Monroe County

36057 Montgomery County

36059 Nassau County

36061 New York County

36063 Niagara County

36065 Oneida County

36067 Onondaga County

36069 Ontario County

36071 Orange County

36073 Orleans County

36075 Oswego County

36077 Otsego County

36079 Putnam County

36081 Queens County

36083 Rensselaer County

36085 Richmond County

36087 Rockland County

36089 St. Lawrence County

36091 Saratoga County

36093 Schenectady County

36095 Schoharie County

36097 Schuyler County

36099 Seneca County

36101 Steuben County

36103 Suffolk County

36105 Sullivan County

36107 Tioga County

36109 Tompkins County

36111 Ulster County

36113 Warren County

36115 Washington County

36117 Wayne County

36119 Westchester County

36121 Wyoming County

36123 Yates County

North Carolina (nc)

37001 Alamance County

37003 Alexander County

37005 Alleghany County

37007 Anson County

37009 Ashe County

37011 Avery County

37013 Beaufort County

37015 Bertie County

37017 Bladen County

37019 Brunswick County

37021 Buncombe County

37023 Burke County

37025 Cabarrus County

37027 Caldwell County

37029 Camden County

37031 Carteret County

37033 Caswell County

37035 Catawba County

37037 Chatham County

37039 Cherokee County

37041 Chowan County

37043 Clay County

37045 Cleveland County

37047 Columbus County

37049 Craven County

37051 Cumberland County

37053 Currituck County

37055 Dare County

37057 Davidson County

37059 Davie County

37061 Duplin County

37063 Durham County

37065 Edgecombe County

37067 Forsyth County

37069 Franklin County

37071 Gaston County

37073 Gates County

37075 Graham County

37077 Granville County

37079 Greene County

37081 Guilford County

37083 Halifax County

37085 Harnett County

37087 Haywood County

37089 Henderson County

37091 Hertford County

37093 Hoke County

37095 Hyde County

37097 Iredell County

37099 Jackson County

37101 Johnston County

37103 Jones County

37105 Lee County

37107 Lenoir County

37109 Lincoln County

37111 McDowell County

37113 Macon County

37115 Madison County

37117 Martin County

37119 Mecklenburg County

37121 Mitchell County

37123 Montgomery County

37125 Moore County

37127 Nash County

37129 New Hanover County

37131 Northampton County

37133 Onslow County

37135 Orange County

37137 Pamlico County

37139 Pasquotank County

37141 Pender County

37143 Perquimans County

37145 Person County

37147 Pitt County

37149 Polk County

37151 Randolph County

37153 Richmond County

37155 Robeson County

37157 Rockingham County

37159 Rowan County

37161 Rutherford County

37163 Sampson County

37165 Scotland County

37167 Stanly County

37169 Stokes County

37171 Surry County

37173 Swain County

37175 Transylvania County

37177 Tyrrell County

37179 Union County

37181 Vance County

37183 Wake County

37185 Warren County

37187 Washington County

37189 Watauga County

37191 Wayne County

37193 Wilkes County

37195 Wilson County

37197 Yadkin County

37199 Yancey County

North Dakota (nd)

38001 Adams County

38003 Barnes County

38005 Benson County

38007 Billings County

38009 Bottineau County

38011 Bowman County

38013 Burke County

38015 Burleigh County

38017 Cass County

38019 Cavalier County

38021 Dickey County

38023 Divide County

38025 Dunn County

38027 Eddy County

38029 Emmons County

38031 Foster County

38033 Golden Valley County

38035 Grand Forks County

38037 Grant County

38039 Griggs County

38041 Hettinger County

38043 Kidder County

38045 LaMoure County

38047 Logan County

38049 McHenry County

38051 McIntosh County

38053 McKenzie County

38055 McLean County

38057 Mercer County

38059 Morton County

38061 Mountrail County

38063 Nelson County

38065 Oliver County

38067 Pembina County

38069 Pierce County

38071 Ramsey County

38073 Ransom County

38075 Renville County

38077 Richland County

38079 Rolette County

38081 Sargent County

38083 Sheridan County

38085 Sioux County

38087 Slope County

38089 Stark County

38091 Steele County

38093 Stutsman County

38095 Towner County

38097 Traill County

38099 Walsh County

38101 Ward County

38103 Wells County

38105 Williams County

Ohio (oh)

39001 Adams County

39003 Allen County

39005 Ashland County

39007 Ashtabula County

39009 Athens County

39011 Auglaize County

39013 Belmont County

39015 Brown County

39017 Butler County

39019 Carroll County

39021 Champaign County

39023 Clark County

39025 Clermont County

39027 Clinton County

39029 Columbiana County

39031 Coshocton County

39033 Crawford County

39035 Cuyahoga County

39037 Darke County

39039 Defiance County

39041 Delaware County

39043 Erie County

39045 Fairfield County

39047 Fayette County

39049 Franklin County

39051 Fulton County

39053 Gallia County

39055 Geauga County

39057 Greene County

39059 Guernsey County

39061 Hamilton County
39063 Hancock County
39065 Hardin County
39067 Harrison County
39069 Henry County
39071 Highland County
39073 Hocking County
39075 Holmes County
39077 Huron County
39079 Jackson County
39081 Jefferson County
39083 Knox County
39085 Lake County
39087 Lawrence County
39089 Licking County
39091 Logan County
39093 Lorain County
39095 Lucas County
39097 Madison County
39099 Mahoning County
39101 Marion County
39103 Medina County
39105 Meigs County
39107 Mercer County
39109 Miami County
39111 Monroe County
39113 Montgomery County
39115 Morgan County
39117 Morrow County
39119 Muskingum County
39121 Noble County
39123 Ottawa County
39125 Paulding County
39127 Perry County
39129 Pickaway County
39131 Pike County
39133 Portage County
39135 Preble County
39137 Putnam County
39139 Richland County
39141 Ross County
39143 Sandusky County
39145 Scioto County
39147 Seneca County
39149 Shelby County
39151 Stark County
39153 Summit County
39155 Trumbull County
39157 Tuscarawas County
39159 Union County
39161 Van Wert County
39163 Vinton County
39165 Warren County
39167 Washington County
39169 Wayne County
39171 Williams County
39173 Wood County
39175 Wyandot County

Oklahoma (ok)

40001 Adair County
40003 Alfalfa County
40005 Atoka County
40007 Beaver County
40009 Beckham County
40011 Blaine County
40013 Bryan County
40015 Caddo County
40017 Canadian County
40019 Carter County
40021 Cherokee County

40023 Choctaw County
40025 Cimarron County
40027 Cleveland County
40029 Coal County
40031 Comanche County
40033 Cotton County
40035 Craig County
40037 Creek County
40039 Custer County
40041 Delaware County
40043 Dewey County
40045 Ellis County
40047 Garfield County
40049 Garvin County
40051 Grady County
40053 Grant County
40055 Greer County
40057 Harmon County
40059 Harper County
40061 Haskell County
40063 Hughes County
40065 Jackson County
40067 Jefferson County
40069 Johnston County
40071 Kay County
40073 Kingfisher County
40075 Kiowa County
40077 Latimer County
40079 Le Flore County
40081 Lincoln County
40083 Logan County
40085 Love County
40087 McClain County
40089 McCurtain County
40091 McIntosh County
40093 Major County
40095 Marshall County
40097 Mayes County
40099 Murray County
40101 Muskogee County
40103 Noble County
40105 Nowata County
40107 Okfuskee County
40109 Oklahoma County
40111 Okmulgee County
40113 Osage County
40115 Ottawa County
40117 Pawnee County
40119 Payne County
40121 Pittsburg County
40123 Pontotoc County
40125 Pottawatomie County
40127 Pushmataha County
40129 Roger Mills County
40131 Rogers County
40133 Seminole County
40135 Sequoyah County
40137 Stephens County
40139 Texas County
40141 Tillman County
40143 Tulsa County
40145 Wagoner County
40147 Washington County
40149 Washita County
40151 Woods County
40153 Woodward County

Oregon (or)

41001 Baker County
41003 Benton County
41005 Clackamas County

41007 Clatsop County
41009 Columbia County
41011 Coos County
41013 Crook County
41015 Curry County
41017 Deschutes County
41019 Douglas County
41021 Gilliam County
41023 Grant County
41025 Harney County
41027 Hood River County
41029 Jackson County
41031 Jefferson County
41033 Josephine County
41035 Klamath County
41037 Lake County
41039 Lane County
41041 Lincoln County
41043 Linn County
41045 Malheur County
41047 Marion County
41049 Morrow County
41051 Multnomah County
41053 Polk County
41055 Sherman County
41057 Tillamook County
41059 Umatilla County
41061 Union County
41063 Wallowa County
41065 Wasco County
41067 Washington County
41069 Wheeler County
41071 Yamhill County

Pennsylvania (pa)

42001 Adams County
42003 Allegheny County
42005 Armstrong County
42007 Beaver County
42009 Bedford County
42011 Berks County
42013 Blair County
42015 Bradford County
42017 Bucks County
42019 Butler County
42021 Cambria County
42023 Cameron County
42025 Carbon County
42027 Centre County
42029 Chester County
42031 Clarion County
42033 Clearfield County
42035 Clinton County
42037 Columbia County
42039 Crawford County
42041 Cumberland County
42043 Dauphin County
42045 Delaware County
42047 Elk County
42049 Erie County
42051 Fayette County
42053 Forest County
42055 Franklin County
42057 Fulton County
42059 Greene County
42061 Huntingdon County
42063 Indiana County
42065 Jefferson County
42067 Juniata County
42069 Lackawanna County
42071 Lancaster County
42073 Lawrence County

42075 Lebanon County

42077 Lehigh County

42079 Luzerne County

42081 Lycoming County

42083 McKean County

42085 Mercer County

42087 Mifflin County

42089 Monroe County

42091 Montgomery County

42093 Montour County

42095 Northampton County

42097 Northumberland County

42099 Perry County

42101 Philadelphia County

42103 Pike County

42105 Potter County

42107 Schuylkill County

42109 Snyder County

42111 Somerset County

42113 Sullivan County

42115 Susquehanna County

42117 Tioga County

42119 Union County

42121 Venango County

42123 Warren County

42125 Washington County

42127 Wayne County

42129 Westmoreland County

42131 Wyoming County

42133 York County

Rhode Island (ri)

44001 Bristol County

44003 Kent County

44005 Newport County

44007 Providence County

44009 Washington County

South Carolina (sc)

45001 Abbeville County

45003 Aiken County

45005 Allendale County

45007 Anderson County

45009 Bamberg County

45011 Barnwell County

45013 Beaufort County

45015 Berkeley County

45017 Calhoun County

45019 Charleston County

45021 Cherokee County

45023 Chester County

45025 Chesterfield County

45027 Clarendon County

45029 Colleton County

45031 Darlington County

45033 Dillon County

45035 Dorchester County

45037 Edgefield County

45039 Fairfield County

45041 Florence County

45043 Georgetown County

45045 Greenville County

45047 Greenwood County

45049 Hampton County

45051 Horry County

45053 Jasper County

45055 Kershaw County

45057 Lancaster County

45059 Laurens County

45061 Lee County

45063 Lexington County

45065 McCormick County

45067 Marion County

45069 Marlboro County

45071 Newberry County

45073 Oconee County

45075 Orangeburg County

45077 Pickens County

45079 Richland County

45081 Saluda County

45083 Spartanburg County

45085 Sumter County

45087 Union County

45089 Williamsburg County

45091 York County

South Dakota (sd)

46003 Aurora County

46005 Beadle County

46007 Bennett County

46009 Bon Homme County

46011 Brookings County

46013 Brown County

46015 Brule County

46017 Buffalo County

46019 Butte County

46021 Campbell County

46023 Charles Mix County

46025 Clark County

46027 Clay County

46029 Codington County

46031 Corson County

46033 Custer County

46035 Davison County

46037 Day County

46039 Deuel County

46041 Dewey County

46043 Douglas County

46045 Edmunds County

46047 Fall River County

46049 Faulk County

46051 Grant County

46053 Gregory County

46055 Haakon County

46057 Hamlin County

46059 Hand County

46061 Hanson County

46063 Harding County

46065 Hughes County

46067 Hutchinson County

46069 Hyde County

46071 Jackson County

46073 Jerauld County

46075 Jones County

46077 Kingsbury County

46079 Lake County

46081 Lawrence County

46083 Lincoln County

46085 Lyman County

46087 McCook County

46089 McPherson County

46091 Marshall County

46093 Meade County

46095 Mellette County

46097 Miner County

46099 Minnehaha County

46101 Moody County

46102 Oglala Lakota County

46103 Pennington County
46105 Perkins County
46107 Potter County
46109 Roberts County
46111 Sanborn County
46115 Spink County
46117 Stanley County
46119 Sully County
46121 Todd County
46123 Tripp County
46125 Turner County
46127 Union County
46129 Walworth County
46135 Yankton County
46137 Ziebach County

Tennessee (tn)

47001 Anderson County
47003 Bedford County
47005 Benton County
47007 Bledsoe County
47009 Blount County
47011 Bradley County
47013 Campbell County
47015 Cannon County
47017 Carroll County
47019 Carter County
47021 Cheatham County
47023 Chester County
47025 Claiborne County
47027 Clay County
47029 Cocke County
47031 Coffee County
47033 Crockett County
47035 Cumberland County
47037 Davidson County
47039 Decatur County
47041 DeKalb County
47043 Dickson County
47045 Dyer County
47047 Fayette County
47049 Fentress County
47051 Franklin County
47053 Gibson County
47055 Giles County
47057 Grainger County
47059 Greene County
47061 Grundy County
47063 Hamblen County
47065 Hamilton County
47067 Hancock County
47069 Hardeman County
47071 Hardin County
47073 Hawkins County
47075 Haywood County
47077 Henderson County
47079 Henry County
47081 Hickman County
47083 Houston County
47085 Humphreys County
47087 Jackson County
47089 Jefferson County
47091 Johnson County
47093 Knox County
47095 Lake County
47097 Lauderdale County
47099 Lawrence County
47101 Lewis County
47103 Lincoln County
47105 Loudon County
47107 McMinn County
47109 McNairy County

47111 Macon County

47113 Madison County

47115 Marion County

47117 Marshall County

47119 Maury County

47121 Meigs County

47123 Monroe County

47125 Montgomery County

47127 Moore County

47129 Morgan County

47131 Obion County

47133 Overton County

47135 Perry County

47137 Pickett County

47139 Polk County

47141 Putnam County

47143 Rhea County

47145 Roane County

47147 Robertson County

47149 Rutherford County

47151 Scott County

47153 Sequatchie County

47155 Sevier County

47157 Shelby County

47159 Smith County

47161 Stewart County

47163 Sullivan County

47165 Sumner County

47167 Tipton County

47169 Trousdale County

47171 Unicoi County

47173 Union County

47175 Van Buren County

47177 Warren County

47179 Washington County

47181 Wayne County

47183 Weakley County

47185 White County

47187 Williamson County

47189 Wilson County

Texas (tx)

48001 Anderson County

48003 Andrews County

48005 Angelina County

48007 Aransas County

48009 Archer County

48011 Armstrong County

48013 Atascosa County

48015 Austin County

48017 Bailey County

48019 Bandera County

48021 Bastrop County

48023 Baylor County

48025 Bee County

48027 Bell County

48029 Bexar County

48031 Blanco County

48033 Borden County

48035 Bosque County

48037 Bowie County

48039 Brazoria County

48041 Brazos County

48043 Brewster County

48045 Briscoe County

48047 Brooks County

48049 Brown County

48051 Burleson County

48053 Burnet County

48055 Caldwell County

48057 Calhoun County

48059 Callahan County
48061 Cameron County
48063 Camp County
48065 Carson County
48067 Cass County
48069 Castro County
48071 Chambers County
48073 Cherokee County
48075 Childress County
48077 Clay County
48079 Cochran County
48081 Coke County
48083 Coleman County
48085 Collin County
48087 Collingsworth County
48089 Colorado County
48091 Comal County
48093 Comanche County
48095 Concho County
48097 Cooke County
48099 Coryell County
48101 Cottle County
48103 Crane County
48105 Crockett County
48107 Crosby County
48109 Culberson County
48111 Dallam County
48113 Dallas County
48115 Dawson County
48117 Deaf Smith County
48119 Delta County
48121 Denton County
48123 DeWitt County
48125 Dickens County
48127 Dimmit County
48129 Donley County
48131 Duval County
48133 Eastland County
48135 Ector County
48137 Edwards County
48139 Ellis County
48141 El Paso County
48143 Erath County
48145 Falls County
48147 Fannin County
48149 Fayette County
48151 Fisher County
48153 Floyd County
48155 Foard County
48157 Fort Bend County
48159 Franklin County
48161 Freestone County
48163 Frio County
48165 Gaines County
48167 Galveston County
48169 Garza County
48171 Gillespie County
48173 Glasscock County
48175 Goliad County
48177 Gonzales County
48179 Gray County
48181 Grayson County
48183 Gregg County
48185 Grimes County
48187 Guadalupe County
48189 Hale County
48191 Hall County
48193 Hamilton County
48195 Hansford County
48197 Hardeman County
48199 Hardin County

48201 Harris County
48203 Harrison County
48205 Hartley County
48207 Haskell County
48209 Hays County
48211 Hemphill County
48213 Henderson County
48215 Hidalgo County
48217 Hill County
48219 Hockley County
48221 Hood County
48223 Hopkins County
48225 Houston County
48227 Howard County
48229 Hudspeth County
48231 Hunt County
48233 Hutchinson County
48235 Irion County
48237 Jack County
48239 Jackson County
48241 Jasper County
48243 Jeff Davis County
48245 Jefferson County
48247 Jim Hogg County
48249 Jim Wells County
48251 Johnson County
48253 Jones County
48255 Karnes County
48257 Kaufman County
48259 Kendall County
48261 Kenedy County
48263 Kent County
48265 Kerr County
48267 Kimble County
48269 King County
48271 Kinney County
48273 Kleberg County
48275 Knox County
48277 Lamar County
48279 Lamb County
48281 Lampasas County
48283 La Salle County
48285 Lavaca County
48287 Lee County
48289 Leon County
48291 Liberty County
48293 Limestone County
48295 Lipscomb County
48297 Live Oak County
48299 Llano County
48301 Loving County
48303 Lubbock County
48305 Lynn County
48307 McCulloch County
48309 McLennan County
48311 McMullen County
48313 Madison County
48315 Marion County
48317 Martin County
48319 Mason County
48321 Matagorda County
48323 Maverick County
48325 Medina County
48327 Menard County
48329 Midland County
48331 Milam County
48333 Mills County
48335 Mitchell County
48337 Montague County
48339 Montgomery County
48341 Moore County

48343 Morris County

48345 Motley County

48347 Nacogdoches County

48349 Navarro County

48351 Newton County

48353 Nolan County

48355 Nueces County

48357 Ochiltree County

48359 Oldham County

48361 Orange County

48363 Palo Pinto County

48365 Panola County

48367 Parker County

48369 Parmer County

48371 Pecos County

48373 Polk County

48375 Potter County

48377 Presidio County

48379 Rains County

48381 Randall County

48383 Reagan County

48385 Real County

48387 Red River County

48389 Reeves County

48391 Refugio County

48393 Roberts County

48395 Robertson County

48397 Rockwall County

48399 Runnels County

48401 Rusk County

48403 Sabine County

48405 San Augustine County

48407 San Jacinto County

48409 San Patricio County

48411 San Saba County

48413 Schleicher County

48415 Scurry County

48417 Shackelford County

48419 Shelby County

48421 Sherman County

48423 Smith County

48425 Somervell County

48427 Starr County

48429 Stephens County

48431 Sterling County

48433 Stonewall County

48435 Sutton County

48437 Swisher County

48439 Tarrant County

48441 Taylor County

48443 Terrell County

48445 Terry County

48447 Throckmorton County

48449 Titus County

48451 Tom Green County

48453 Travis County

48455 Trinity County

48457 Tyler County

48459 Upshur County

48461 Upton County

48463 Uvalde County

48465 Val Verde County

48467 Van Zandt County

48469 Victoria County

48471 Walker County

48473 Waller County

48475 Ward County

48477 Washington County

48479 Webb County

48481 Wharton County
48483 Wheeler County
48485 Wichita County
48487 Wilbarger County
48489 Willacy County
48491 Williamson County
48493 Wilson County
48495 Winkler County
48497 Wise County
48499 Wood County
48501 Yoakum County
48503 Young County
48505 Zapata County
48507 Zavala County

Utah (ut)

49001 Beaver County
49003 Box Elder County
49005 Cache County
49007 Carbon County
49009 Daggett County
49011 Davis County
49013 Duchesne County
49015 Emery County
49017 Garfield County
49019 Grand County
49021 Iron County
49023 Juab County
49025 Kane County
49027 Millard County
49029 Morgan County
49031 Piute County
49033 Rich County
49035 Salt Lake County
49037 San Juan County
49039 Sanpete County
49041 Sevier County
49043 Summit County
49045 Tooele County
49047 Uintah County
49049 Utah County
49051 Wasatch County
49053 Washington County
49055 Wayne County
49057 Weber County

Vermont (vt)

50001 Addison County
50003 Bennington County
50005 Caledonia County
50007 Chittenden County
50009 Essex County
50011 Franklin County
50013 Grand Isle County
50015 Lamoille County
50017 Orange County
50019 Orleans County
50021 Rutland County
50023 Washington County
50025 Windham County
50027 Windsor County

Virginia (va)

51001 Accomack County
51003 Albemarle County
51005 Alleghany County
51007 Amelia County
51009 Amherst County
51011 Appomattox County
51013 Arlington County
51015 Augusta County
51017 Bath County

51019 Bedford County

51021 Bland County

51023 Botetourt County

51025 Brunswick County

51027 Buchanan County

51029 Buckingham County

51031 Campbell County

51033 Caroline County

51035 Carroll County

51036 Charles City County

51037 Charlotte County

51041 Chesterfield County

51043 Clarke County

51045 Craig County

51047 Culpeper County

51049 Cumberland County

51051 Dickenson County

51053 Dinwiddie County

51057 Essex County

51059 Fairfax County

51061 Fauquier County

51063 Floyd County

51065 Fluvanna County

51067 Franklin County

51069 Frederick County

51071 Giles County

51073 Gloucester County

51075 Goochland County

51077 Grayson County

51079 Greene County

51081 Greensville County

51083 Halifax County

51085 Hanover County

51087 Henrico County

51089 Henry County

51091 Highland County

51093 Isle of Wight County

51095 James City County

51097 King and Queen County

51099 King George County

51101 King William County

51103 Lancaster County

51105 Lee County

51107 Loudoun County

51109 Louisa County

51111 Lunenburg County

51113 Madison County

51115 Mathews County

51117 Mecklenburg County

51119 Middlesex County

51121 Montgomery County

51125 Nelson County

51127 New Kent County

51131 Northampton County

51133 Northumberland County

51135 Nottoway County

51137 Orange County

51139 Page County

51141 Patrick County

51143 Pittsylvania County

51145 Powhatan County

51147 Prince Edward County

51149 Prince George County

51153 Prince William County

51155 Pulaski County

51157 Rappahannock County

51159 Richmond County

51161 Roanoke County

51163 Rockbridge County

51165 Rockingham County

51167 Russell County

51169 Scott County

51171 Shenandoah County

51173 Smyth County

51175 Southampton County

51177 Spotsylvania County

51179 Stafford County

51181 Surry County

51183 Sussex County

51185 Tazewell County

51187 Warren County

51191 Washington County

51193 Westmoreland County

51195 Wise County

51197 Wythe County

51199 York County

51510 Alexandria, City of

51520 Bristol, City of

51530 Buena Vista, City of

51540 Charlottesville, City of

51550 Chesapeake, City of

51570 Colonial Heights, City of

51580 Covington, City of

51590 Danville, City of

51595 Emporia, City of

51600 Fairfax, City of

51610 Falls Church, City of

51620 Franklin, City of

51630 Fredericksburg, City of

51640 Galax, City of

51650 Hampton, City of

51660 Harrisonburg, City of

51670 Hopewell, City of

51678 Lexington, City of

51680 Lynchburg, City of

51683 Manassas, City of

51685 Manassas Park, City of

51690 Martinsville, City of

51700 Newport News, City of

51710 Norfolk, City of

51720 Norton, City of

51730 Petersburg, City of

51735 Poquoson, City of

51740 Portsmouth, City of

51750 Radford, City of

51760 Richmond, City of

51770 Roanoke, City of

51775 Salem, City of

51790 Staunton, City of

51800 Suffolk, City of

51810 Virginia Beach, City of

51820 Waynesboro, City of

51830 Williamsburg, City of

51840 Winchester, City of

Washington (wa)

53001 Adams County

53003 Asotin County

53005 Benton County

53007 Chelan County

53009 Clallam County

53011 Clark County

53013 Columbia County

53015 Cowlitz County

53017 Douglas County

53019 Ferry County

53021 Franklin County

53023 Garfield County

53025 Grant County

53027 Grays Harbor County

53029 Island County

53031 Jefferson County

53033 King County

53035 Kitsap County

53037 Kittitas County

53039 Klickitat County

53041 Lewis County

53043 Lincoln County

53045 Mason County

53047 Okanogan County

53049 Pacific County

53051 Pend Oreille County

53053 Pierce County

53055 San Juan County

53057 Skagit County

53059 Skamania County

53061 Snohomish County

53063 Spokane County

53065 Stevens County

53067 Thurston County

53069 Wahkiakum County

53071 Walla Walla County

53073 Whatcom County

53075 Whitman County

53077 Yakima County

West Virginia (wv)

54001 Barbour County

54003 Berkeley County

54005 Boone County

54007 Braxton County

54009 Brooke County

54011 Cabell County

54013 Calhoun County

54015 Clay County

54017 Doddridge County

54019 Fayette County

54021 Gilmer County

54023 Grant County

54025 Greenbrier County

54027 Hampshire County

54029 Hancock County

54031 Hardy County

54033 Harrison County

54035 Jackson County

54037 Jefferson County

54039 Kanawha County

54041 Lewis County

54043 Lincoln County

54045 Logan County

54047 McDowell County

54049 Marion County

54051 Marshall County

54053 Mason County

54055 Mercer County

54057 Mineral County

54059 Mingo County

54061 Monongalia County

54063 Monroe County

54065 Morgan County

54067 Nicholas County

54069 Ohio County
54071 Pendleton County
54073 Pleasants County
54075 Pocahontas County
54077 Preston County
54079 Putnam County
54081 Raleigh County
54083 Randolph County
54085 Ritchie County
54087 Roane County
54089 Summers County
54091 Taylor County
54093 Tucker County
54095 Tyler County
54097 Upshur County
54099 Wayne County
54101 Webster County
54103 Wetzel County
54105 Wirt County
54107 Wood County
54109 Wyoming County

Wisconsin (wi)

55001 Adams County
55003 Ashland County
55005 Barron County
55007 Bayfield County
55009 Brown County
55011 Buffalo County
55013 Burnett County
55015 Calumet County
55017 Chippewa County
55019 Clark County
55021 Columbia County
55023 Crawford County
55025 Dane County
55027 Dodge County
55029 Door County
55031 Douglas County
55033 Dunn County
55035 Eau Claire County
55037 Florence County
55039 Fond du Lac County
55041 Forest County
55043 Grant County
55045 Green County
55047 Green Lake County
55049 Iowa County
55051 Iron County
55053 Jackson County
55055 Jefferson County
55057 Juneau County
55059 Kenosha County
55061 Kewaunee County
55063 La Crosse County
55065 Lafayette County
55067 Langlade County
55069 Lincoln County
55071 Manitowoc County
55073 Marathon County
55075 Marinette County
55077 Marquette County
55078 Menominee County
55079 Milwaukee County
55081 Monroe County
55083 Oconto County
55085 Oneida County
55087 Outagamie County
55089 Ozaukee County
55091 Pepin County
55093 Pierce County
55095 Polk County

55097 Portage County

55099 Price County

55101 Racine County

55103 Richland County

55105 Rock County

55107 Rusk County

55109 St. Croix County

55111 Sauk County

55113 Sawyer County

55115 Shawano County

55117 Sheboygan County

55119 Taylor County

55121 Trempealeau County

55123 Vernon County

55125 Vilas County

55127 Walworth County

55129 Washburn County

55131 Washington County

55133 Waukesha County

55135 Waupaca County

55137 Waushara County

55139 Winnebago County

55141 Wood County

Wyoming (wy)

56001 Albany County

56003 Big Horn County

56005 Campbell County

56007 Carbon County

56009 Converse County

56011 Crook County

56013 Fremont County

56015 Goshen County

56017 Hot Springs County

56019 Johnson County

56021 Laramie County

56023 Lincoln County

56025 Natrona County

56027 Niobrara County

56029 Park County

56031 Platte County

56033 Sheridan County

56035 Sublette County

56037 Sweetwater County

56039 Teton County

56041 Uinta County

56043 Washakie County

56045 Weston County