

Attachment F1

State Unintentional Drug Overdose Reporting System (SUDORS)

Introduction

This document displays the screens that abstractors use to enter required data elements for the SUDORS module. Each section of the module is shown separately, with a screenshot of the previous version on the left and the new version on the right. Variables that have not changed are indicated with black text with the same number on both the right and the left, and the corresponding variable name is given below the screenshot. Any new variables on the righthand side are flagged in red with additional numbers, and the corresponding variable names given below. Any changes are highlighted in a text box below both screenshots.

SUDORS Tab: Drug Overdose and Substance Abuse Sections

Previous SUDORS Version

Proposed SUDORS Version

Drug Overdose/Poisoning

Type of drug poisoning

Time last seen alive (Military Time format e.g. 0000-2359, 9999) HHMM

Date last seen alive Month Day Year

- 1 Typeofpoisoning
- 2 LastSeenAliveTime
- 3 LastSeenAliveMonth
- 4 LastSeenAliveDay
- 5 LastSeenAliveYear

SUDORS case

Drug Overdose/Poisoning

Type of drug poisoning

Time last known alive before overdose (Military Time format e.g., 0000-2359,9999)

Date last known alive before overdose Month Day Year

Id	Name	Description
1	Overdose related to substance abuse	Overdose related to substance abuse
2	Victim unintentionally takes a drug or wrong dosage	Victim unintentionally takes a drug or wrong dosage
3	Overmedication	Overmedication
4	Took prescribed dosage	Took prescribed dosage
5	Other, please add information to narrative	Other, please add information to narrative
6	Unknown	Unknown

1-5 Retained fields

6 SUDORSCase

Substance Abuse

Previous drug overdose

Treatment for substance abuse

History of opioid/heroin abuse

Recent opioid use relapse

- 1 PreviousOverdose
- 2 TreatmentForSubstanceAbuse
- 3 HistoryOpioid
- 4 RecentOpioidUse

Substance Abuse

Previous drug overdose

Treatment for substance abuse

History of prescription opioid/heroin abuse

Recent emergency department visit

Type(s) of substance abuse treatment (Check all that apply)

- Inpatient/outpatient rehabilitation **2a**
- Medication-assisted treatment, or MAT (with cognitive/behavioral therapy) **2b**
- Medication-Assisted treatment, or MAT (without cognitive/behavioral therapy) **2c**
- Medication-assisted therapy, or MAT (cognitive/behavioral therapy unknown) **2d**
- Cognitive/behavioral therapy **2e**
- Narcotics Anonymous **2f**
- Other - specify **2g**

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- 1 PreviousOverdose
- 2 TreatmentForSubstanceAbuse
- 2a SubsTx_rehab
- 2b SubsTx_MATcog
- 2c SubsTx_MAT_nocog
- 2d SubsTx_MAT

- 2f SubsTx_NA
- 2g SubsTx_Other
- 3 HistoryOpioid
- 4 RecentOpioidUse
- 5 RecentED

Changes to Drug Overdose and Substance Abuse Sections:

- Additional data element added to Drug Overdose/Poisoning section (#6) that allows the abstractor to identify unintentional/undetermined drug overdose deaths. This facilitates preliminary counts of drug overdose deaths
- 1 additional question added to capture recent emergency department visit (#5). This identifies an opportunity for a public health intervention.
- 7 response categories added (#2a - #2g) that are designed to detect the type of substance abuse treatment the decedent received. This data can provide important data to treatment providers and public health officials tracking the effectiveness of different treatment approaches.

SUDORS Tab: Scene Indications of Drug Use Sections

Previous SUDORS Version

Scene Indications of Drug Use

Any evidence of drug use **1ba** Evidence of rapid overdose **4a**

No evidence of drug use Tourniquet around arm **4b**

4b Needle location **4d** **4c** Witness report rapid overdose

4d

Other - Explain:

Route of Drug Administration (Check all that apply) **5**

No information on route of administration **3** Evidence of Snorting/Smiffing **6**

3a Evidence of injection (Check all that apply) **3e** Evidence of Smoking **7**

3b Track marks on victim Needles/Syringe **3f** Evidence of Transdermal **8**

3c Tourniquet Filters **3g** Evidence of Ingestion **9**

3d Cookers Witness Report Evidence of Suppository **10**

Other injection evidence - Specify:

Illicit or Prescription Drugs (Check all that apply)

Evidence of prescription drugs (Check all that apply) **11** Evidence of illicit drugs (Check all that apply) **12**

11a Prescribed to victim Not prescribed to victim **11b** **12a** Powder **12b** Witness report **12c** Counterfeit pills

11c Unknown who prescribed **12d** Tar **12e** Crystal

Type of prescription drug found (Check all that apply)

11d Pills/Tablets Patch **11i**

11e Prescription bottle Liquid **11j**

11f Lozenges/lollipops Vial **11k**

11g Witness report of prescription use Evidence of use of prescription (buprenorphine, fentanyl) at scene or by witness report **11l**

11h Other form - Specify:

Proposed SUDORS Version

Evidence of Drug Use **1a**

Any evidence of drug use **1b** **4**

No evidence of drug use **4a** Evidence of rapid overdose

Tourniquet around arm Body position consistent with rapid overdose **4c**

4b Needle Location **4d** **4c** Witness report rapid overdose

4d

Other - Explain:

Route of Drug Administration (Check all that apply) **5**

No information on route of administration **3** Evidence of Snorting/Smiffing **6**

Evidence of injection (Check all that apply) **3e** Evidence of Smoking **7**

3a Track marks on victim Needles/Syringe **3f** Evidence of Transdermal **8**

3b Tourniquet Filters **3g** Evidence of Ingestion **9**

3c Cookers Witness Report Evidence of Suppository **10**

Other injection evidence - Specify:

Evidence of Buccal **13**

Evidence of prescription drugs (Check all that apply) **11** **Evidence of illicit drugs (Check all that apply)** **12**

11a Prescribed to victim Not prescribed to victim **11b** **12a** Powder **12b** Witness report **12c** Counterfeit pills

11c Unknown who prescribed for **12d** Tar **12e** Crystal **12g** Illicit drug packaging

Type of evidence of prescription drugs found (Check all that apply)

11d Pills/Tablets Patch **11i**

11e Prescription bottle Liquid **11j**

11f Lozenges/lollipops Vial **11k**

11g Witness report of prescription use Evidence of use of prescription (buprenorphine, fentanyl) at scene or by witness report **11l**

11h Other form - Specify:

1a IndicationsDrugPara

1a IndicationsDrugPara

1b IndicationsNone
2 RouteUnknown
3 RouteInjection
3a IndicationsTracks
3b HasEvidenceOfInjectionTourniquet
3c HasEvidenceOfInjectionCooker
3d HasEvidenceOfInjectionOther
3e HasEvidenceOfInjectionNeedle
3f HasEvidenceOfInjectionFilter
3g HasEvidenceOfInjectionWitnessReport
4 HasRapidOverdoseEvidence
4a IsTourniquetAroundArm
4b NeedleLocation
4c RapidOverdoseWitnessReport
4d RapidOverdoseOther
5 RouteSnorting
6 HasRouteSmoking
7 HasRouteTransdermal
8 RouteIngestion
9 RouteSuppository
10 HasRouteSublingual
11 HasEvidenceOfPrescriptionDrug
11a IsPrescribedToVictim
11b IndicationsRxDrugs
11c IsUnknownWhoPrescribed
11d IsPrescriptionPill
11e IsPrescriptionBottle
11f IsPrescriptionLozenge
11g HasEvidenceOfWitnessReportRxUse
11h IsPrescriptionOther
11i IsPrescriptionPatch
11j IsPrescriptionLiquid
11k IsPrescriptionVial
12 IndicationsDrugsatScene
12a HasEvidenceOfIllicitPowder
12b HasEvidenceOfIllicitWitnessReport
12c IsPrescriptionCounterfeit
12d HasEvidenceOfIllicitTar
12e HasEvidenceOfIllicitCrystal
12f IndicationsOther

1b IndicationsNone
2 RouteUnknown
3 RouteInjection
3a IndicationsTracks
3b HasEvidenceOfInjectionTourniquet
3c HasEvidenceOfInjectionCooker
3d HasEvidenceOfInjectionOther
3e HasEvidenceOfInjectionNeedle
3f HasEvidenceOfInjectionFilter
3g HasEvidenceOfInjectionWitnessReport
4 HasRapidOverdoseEvidence
4a IsTourniquetAroundArm
4b NeedleLocation
4c RapidOverdoseWitnessReport
4d RapidOverdoseOther
4e BodyPosition
5 RouteSnorting
6 HasRouteSmoking
7 HasRouteTransdermal
8 RouteIngestion
9 RouteSuppository
10 HasRouteSublingual
11 HasEvidenceOfPrescriptionDrug
11a IsPrescribedToVictim
11b IndicationsRxDrugs
11c IsUnknownWhoPrescribed
11d IsPrescriptionPill
11e IsPrescriptionBottle
11f IsPrescriptionLozenge
11g HasEvidenceOfWitnessReportRxUse
11h IsPrescriptionOther
11i IsPrescriptionPatch
11j IsPrescriptionLiquid
11k IsPrescriptionVial
11L IsPrescriptionFentanyl
12 IndicationsDrugsatScene
12a HasEvidenceOfIllicitPowder
12b HasEvidenceOfIllicitWitnessReport
12c IsPrescriptionCounterfeit
12d HasEvidenceOfIllicitTar
12e HasEvidenceOfIllicitCrystal

12f IndicationsOther 12g HasEvidenceOfIllicitPackage 13 HasRouteBuccal
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Changes to Scene Indications of Drug Use Sections:

- For rapid overdoses (#4), the response option “body position” (#4e) was added based on feedback from medical examiner/coroners and SUDORS abstractors that rapid overdose could be determined by the position of the body.
- Buccal was added to route of drug administration (#13) because it was identified as a route in opioid overdose deaths that was not on the previous list.
- For evidence of illicit drug use (#12), illicit drug packaging (#12g) was added because it occurred in a sufficient number of drug overdose deaths to track. This will also improve the identification of drug overdose deaths involving illicit drugs.
- Scene or prescription evidence of fentanyl (#11L) was added because SUDORS abstractors indicated this information was available and it is critical to determine whether the fentanyl contributing to the overdose was prescribed versus illicitly manufactured.

SUDORS Tab: Response to Drug Overdose and Medical History Sections

Previous SUDORS Version

Response to Drug Overdose

Bystanders present at time of overdose

Drug Use Witnessed

Naloxone Administered (Check all that apply)

<input type="checkbox"/> Naloxone administered	<input type="checkbox"/> Administered by law enforcement	<input type="checkbox"/> Administered by bystander
<input type="checkbox"/> Not administered	<input type="checkbox"/> Administered by EMS/fire	Who administered? <input type="checkbox"/> Person using drugs <input type="checkbox"/> Friend
<input type="checkbox"/> Unknown	<input type="checkbox"/> Administered by hospital (ED/inpatient)	<input type="checkbox"/> Intimate partner <input type="checkbox"/> Roommate
<input type="checkbox"/> Administered, unknown by whom	<input type="checkbox"/> Other (specify in narrative)	<input type="checkbox"/> Stranger <input type="checkbox"/> Other family

Total # of Naloxone dosages administered by first responders/health care

Total # of Naloxone dosages administered by bystander:

Medical History

Treated for pain at time of injury

Proposed SUDORS Version

Response to Drug Overdose

Bystander present

Drug use witnessed

Type(s) of bystander(s) present (Check all that apply)

<input type="checkbox"/> Person using drugs	<input type="checkbox"/> Stranger	<input type="checkbox"/> CPR	<input type="checkbox"/> Stimulation
<input type="checkbox"/> Intimate partner	<input type="checkbox"/> Roommate	<input type="checkbox"/> Rescue breathing	<input type="checkbox"/> Other - specify
<input type="checkbox"/> Other family	<input type="checkbox"/> Medical professional	<input type="checkbox"/> Sternal rub	
<input type="checkbox"/> Friend	<input type="checkbox"/> Other -specify		

Layperson response other than naloxone administration (Check all that apply)

CPR Stimulation

Rescue breathing Other - specify

Sternal rub

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Naloxone (Check all that apply)

Naloxone administered Or Not

<input type="checkbox"/> Naloxone administered	<input type="checkbox"/> Unknown	<input type="checkbox"/> Lay-Person
<input type="checkbox"/> Naloxone not administered	<input type="checkbox"/> Law enforcement	<input type="checkbox"/> Person using drugs
<input type="checkbox"/> Unknown whether naloxone administered	<input type="checkbox"/> EMS/fire	<input type="checkbox"/> Intimate partner
	<input type="checkbox"/> Hospital (ED/inpatient)	<input type="checkbox"/> Friend
	<input type="checkbox"/> Other (specify in narrative)	<input type="checkbox"/> Other family
		<input type="checkbox"/> Roommate
		<input type="checkbox"/> Stranger
		<input type="checkbox"/> Other - Specify:
		<input type="text" value=""/>

128 character(s) remaining.

Presence of pulse on first-responder arrival **22**

Q Type here to search

First-responder intervention(s) other than naloxone administration (Check all that apply)

- 23a** CPR
- 23b** Rescue breathing
- 23c** Epinephrine administration
- 23d** Transport to ED
- 23e** Provided oxygen
- 23f** Other - specify

128 character(s) remaining.

If bystander present and no response made (Check all reasons for no response)

- Did not recognize any abnormalities **24**
- Bystander using and impaired **25**
- Public space and strangers didn't intervene **26**
- Reported abnormalities but did not recognize as overdose **27**
- Spatially separated (i.e., different room) **28**
- Unaware that decedent was using **29**
- Other -specify **30**

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Medical History

Treated for pain at time of injury **8**

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Known medical conditions (Check all that apply)

- 8a** COPD
- 8b** Asthma
- 8c** Sleep apnea
- 8d** Heart disease
- 8e** Obesity
- 8f** History of major injury
- 8g** Migraine
- 8h** Back pain
- 8i** Hepatitis C
- 8j** HIV/AIDS
- 8k** Other pain
- 8l** Other breathing problem

1 BystandersPresent	12 IsNaloxoneAdminOther	1 BystandersPresent	9 IsNaloxoneAdminLaw
2 WitnessedDrugUse	13 IsNaloxoneAdminBystander	1a BystanderUser	10 IsNaloxoneAdminEMS
3 NaloxoneAdministered	14 IsNaloxoneWhoPerson	1b BystanderPartner	11 IsNaloxoneAdminHospital
4 IsNaloxoneNotAdmin	15 IsNaloxoneWhoPartner	1c BystanderFamily	12 IsNaloxoneAdminOther
5 IsNaloxoneUnknown	16 IsNaloxoneWhoStranger	1d BystanderFriend	13 IsNaloxoneAdminBystander
6 IsNaloxoneAdminUnknown	17 IsNaloxoneWhoOther	1e BystanderStranger	14 IsNaloxoneWhoPerson
7 NaloxoneTotalResponder	18 IsNaloxoneWhoFriend	1f BystanderRoommate	15 IsNaloxoneWhoPartner
8 TreatedforPain	19 IsNaloxoneWhoRoommate	1g BystanderMedical	16 IsNaloxoneWhoStranger
9 IsNaloxoneAdminLaw	20 IsNaloxoneWhoOtherFamily	1h BystanderOther	17 IsNaloxoneWhoOther
10 IsNaloxoneAdminEMS	21 NaloxoneTotalBystander	1i BystanderCPR	18 IsNaloxoneWhoFriend
11 IsNaloxoneAdminHospital		1j BystanderBreathing	19 IsNaloxoneWhoRoommate
		1k BystanderSternal	20 IsNaloxoneWhoOtherFamily
		1l BystanderStim	21 NaloxoneTotalBystander
		1m BystanderIntOther	22 HadPulse
		2 WitnessedDrugUse	23a FirstResponderCPR
		3 NaloxoneAdministered	23b FirstResponderBreathing
		4 IsNaloxoneNotAdmin	23c FirstResponderEpinephrine
		5 IsNaloxoneUnknown	23d FirstResponderED
		6 IsNaloxoneAdminUnknown	23e FirstResponderOxygen
		7 NaloxoneTotalResponder	23f FirstResponderOther
		8 TreatedforPain	24 BystanderNotRecognize
		8a MedHx_COPD	25 BystanderUsing
		8b MedHx_Asthma	26 BystanderPublic
		8c MedHx_Apnea	27 BystandernoOD
		8d MedHx_Heart	28 BystanderSeparated
		8e MedHx_Obesity	29 BystanderUnaware
		8f MedHx_Injury	30 BystanderReasonOther
		8g MedHx_Migraine	
		8h MedHx_BackPain	
		8i MedHx_HepC	
		8k MedHx_OtherPain	
		8l MedHx_OtherBreathing	

Changes to Response to Drug Overdose and Medical History Sections:

- 8 additional data elements (#1a – #1h) capture more detail on the bystanders of the fatal overdose. This information can be critical in allocating naloxone and other training resources to people who are likely to be present during fatal opioid overdoses.
- 6 additional data elements (#1i – #1n) expand the list of bystander’s response to the overdose and emerge from state abstractors work on SUDORS. This will increase information on bystanders responses to fatal overdose and can inform training of bystanders likely to respond to overdoses.
- 12 additional data elements capture information on decedent’s pre-existing conditions that: 1) may have contributed to the fatal overdose (#8a – #8e and #8l), 2) be related to injection drug use (#8i and #8j), or 3) explain the decedent’s use and/or prescription of opioid pain relievers (#8f – #8h and #8k).
- 7 additional data elements (#24 – #30) capture reasons bystander’s response to an overdose were delayed. Identifying these reasons can provide critical knowledge in improving responses to potentially fatal drug overdoses.
- 1 additional data element (#22) was added to capture the condition of the decedent when first responders arrived. This information is important because the appropriate medical response may vary depending on whether the decedent had a heart beat when first responders arrived.
- 6 additional data elements (#23a – #23f) were added to capture the full array of treatments first responders administered to drug overdose decedents. This can inform training for future responses to potentially fatal drug overdoses.

SUDORS Tab: Prescription Information Section

Previous SUDORS version

Proposed SUDORS version

Prescription Information

Use of prescription morphine¹

Prescription Morphine Narrative²

Prescribed Buprenorphine/Methadone³

Number of opioid prescriptions in the 30 days preceding injur⁴

Number of pharmacies dispensing opioids to decedent in 180 days preceding injur⁵

Number of doctors writing opioid prescriptions to the decedent in the 180 days preceding injur⁶

Prescription Information

Use of Prescription Morphine ¹

Type here to search

Prescription Morphine Narrative ²

Prescribed Buprenorphine/Methadone ³

Prescribed Fentanyl ⁷

Optional:

Number of opioid prescriptions in the 30 days preceding injury ⁴

Number of pharmacies dispensing opioids to decedent in 180 days preceding injury ⁵

Number of doctors writing opioid prescriptions to the decedent in the 180 days preceding injury ⁶

- 1 PrescriptionMorphine
- 2 PrescriptionMorphineNarrative
- 3 IndicationsBuprenorphine
- 4 NumScripsPast30Days
- 5 NumPharmaciesPast30Days
- 6 NumDoctorsPrescribing30Days

- 1 PrescriptionMorphine
- 2 PrescriptionMorphineNarrative
- 3 IndicationsBuprenorphine
- 4 NumScripsPast30Days
- 5 NumPharmaciesPast30Days
- 6 NumDoctorsPrescribing30Days
- 7 FentanylRx

Changes to Prescription Information Section:

- 1 additional variable added to capture evidence that the decedent was prescribed fentanyl. This information is critical in determining whether the death was most likely linked with prescription fentanyl versus illicitly manufactured fentanyl.