Attachment 6

NVDRS Web-based Data Entry (Sample Screenshots of System)

<u>**Introduction**</u>

This document displays the screens that abstractors used to enter required data elements. The variable name associated with each data entry field is provided to help user interpret and analyze data. Any new variables on the righthand side are flagged in red with additional numbers, and the corresponding variable names given below.

I.   <u>Landing Page:</u> *Displays once securely logged on to Secure Access Managemt Services (SAMS) and granted entry into the application.*

II. Demographic Variables for Victims:

Demographics, Race, Ethnicity

Basic Demographics

Person type 1
[Type here to search]

Day of birth 2
[##]

First initial of last name 3
[A-Z]

Last 4 of CME 4

Last 4 of DC 5

Sex 6
[Type here to search]

Age 7
[###]

Age unit 8
[Type here to search]

Height Feet 9
[Type here to search]

Height Inches 10
[Type here to search]

Weight (lbs) 11
[###]

Extended Demographics

Marital status 12
[Type here to search]

Relationship Status 13
[Type here to search]

Sex of Partner 14
[Type here to search]

Victim was pregnant 15
[(8) Not applicable]

Sexual Orientation 16
[Type here to search]

Current or former military personnel 17
[Type here to search]

Race & Ethnicity

Check all that apply

☐ White 18
☐ Black or African American 19
☐ Asian 20
　☐ Asian Indian 21 ☐ Korean 25
　☐ Chinese 22 ☐ Vietnamese 26
　☐ Filipino 23 ☐ Other Asian 27
　☐ Japanese 24
☐ Native Hawaiian or Other Pacific Islander 28
　☐ Native Hawaiian 29
　☐ Guamanian or Chamorro 30
　☐ Samoan 31
　☐ Other Pacific Islander 32
☐ American Indian or Alaska Native 33
☐ Other Race 34
☐ Unspecified Race 35

Hispanic/Latino/Spanish 36
[Type here to search]

Sex dropdown menu:

Sex
[Type here to search]

Age
[###]

Height
[Type here to search]

Id	Name	Description
1	M	Male
2	F	Female
9	U	Unknown

1	PersonType	13	RelationshipStatus	25	RaceKorean
2	BirthDayofMonth	14	SexofPartner	26	RaceVietnamese
3	LastNameFirstInitial	15	Pregnant	27	RaceOtherAsian
4	CMENumberLastFour	16	SexualOrientation	28	RacePacificIslander
5	DCNumberLastFour	17	Military	29	RaceHawaiian
6	Sex	18	RaceWhite	30	RaceGuamanian
7	Age	19	RaceBlack	31	RaceSamoan
8	AgeUnit	20	RaceAsian	32	RaceOtherPacIslander
9	HeightFeet	21	RaceAsianIndian	33	RaceAmericanIndian
10	HeightInches	22	RaceChinese	34	RaceOther
11	Weight	23	RaceFilipino	35	RaceUnspecified
12	MaritalStatus	24	RaceJapanese	36	Ethnicity

III. Place of Residence, Birthplace, Industry, Occupation, and Education

1 Country	10 BirthPlace
2 ResidenceState	11 BirthCountryOther
3 ResidenceCounty	12 UsualOccupation
4 ResidenceCity	13 OccupationText
5 ResidenceZip	14 OccupationCurrentText
6 ResidenceCensusTract	15 Homeless
7 ResidenceCensusBlock	16 EducationLevel
8 Industry	17 EducationYears
9 IndustryText	

IV.   Injury and Death

1	DeathMannerAbstractor	9	InjuryLocationType	17	VictimInCustody
2	DeathMannerDC	10	CensusTract	18	RecentRelease
3	DeathMannerCME	11	CensusBlock	19	AlcoholUseSuspected
4	DeathMannerLE	12	InjuryDate	20	SurvivalTime
5	InjuryState	13	InjuryTime	21	SurvivalTimeUnit
6	InjuryCounty	14	InjuredAtWork		
7	InjuryCity	15	InjuredAtVictimHome		
8	InjuryZip	16	EMSPresent		

V.   Hospital Codes

1   EmergencyDepartment
2   HospitalAdmit
3   ExternalCause1ICD9
4   ExternalCause2ICD9
5   ExternalCause1ICD10
6   ExternalCause2ICD10

VI. **Wounds and Death Certificate:** *Part 1: Underlying Cause of Death & Location of Death*

1	UnderlyingCauseCode	8	DatePronouncedDate
2	UnderlyingCauseCode4thDigit	9	DeathDate
3	UnderlyingCauseCode5thDigit	10	DeathCause1
4	DeathPlace	11	DeathCause2
5	DeathPlaceText	12	DeathCause3
6	AutopsyPerformed	13	DeathCause4
7	DeathState		

VII. Wounds and Death Certificate: *Part 2: Wounds and Multiple Conditions*

Wounds

Number of penetrating wounds
`##`   14

Number of bullets
`##`   17

Wound to the face   15
Q Type here to search

Wound to an upper extremity   18
Q Type here to search

Wound to the neck   20
Q Type here to search

Wound to the head   22
Q Type here to search

Wound to the thorax   16
Q Type here to search

Wound to a lower extremity   19
Q Type here to search

Wound to the spine   21
Q Type here to search

Wound to the abdomen   23
Q Type here to search

Multiple Conditions

Multiple conditions on DC (1)   24
Q Type here to...

Multiple conditions on DC (2)   27
Q Type here to...

Multiple conditions on DC (3)   30
Q Type here to...

Multiple conditions on DC (4)   32
Q Type here to...

Multiple conditions on DC (5)   25
Q Type here to...

Multiple conditions on DC (6)   28
Q Type here to...

Multiple conditions on DC (7)   31
Q Type here to...

Multiple conditions on DC (8)   33
Q Type here to...

Multiple conditions on DC (9)   26
Q Type here to...

Multiple conditions on DC (10)   29
Q Type here to...

14 NumberWounds

15 WoundToFace

16 WoundToThorax

17 NumberBullets

18 WoundToUpperExtremity

19 WoundToLowerExtremity

20 WoundToNeck

21 WoundToSpine

22 WoundToHead

23 WoundToAbdomen

24 MultiCondition01ICD10

25 MultiCondition05ICD10

26 MultiCondition09ICD10

27 MultiCondition02ICD10

28 MultiCondition06ICD10

29 MultiCondition10ICD10

30 MultiCondition03ICD10

31 MultiCondition07ICD10

32 MultiCondition04ICD10

33 MultiCondition08ICD10

VIII. Circumstances: Mental, Health, Substance Abuse, and Other Addiction & Relationship and Life Stressors

CIRCUMSTANCE VARIABLE NAMES BY DATA SOURCE (CME AND LE)

Variables abstracted from both the CME and the LE reports are exported into two variables. If the CME report is the source, the variable name is preceded by "CME_" (e.g., "CME_VariableName"). If the LE report is the source, the variable name is preceded by "LE_" (e.g., "LE_VariableName"). For instance, information on the "Argument" variable will be stored in "CME_Argument" and "LE_Argument"

CRISIS VARIABLE NAMES

Whether a circumstance was a crisis (i.e., checking the "LE Crisis" or "CME Crisis" checkbox) is stored in a separate variable from the circumstance in the export file. Specifically, crisis variables will have the word "crisis" inserted between the data source (i.e., LE and CME) and the circumstance name in the variable label variable (e.g., CME_CrisisVariableName, LE_CrisisVariableName). For example, the crisis variables for "Stalking" will be CME_CrisisStalking and LE_CrisisStalking.

#	Variable	#	Variable	#	Variable	#	Variable
1	MentalHealthProblem	9	LE_MentalHealthDiagnosis2	17	RelationshipProblemOther	26	LE_CircumstancesKnown
2	DepressedMood	10	LE_MentalHealthDiagnosisOther	18	DeathAbuse	27	CME_CircumstancesKnown
3	MentalIllnessTreatmentCurrent	11	CME_MentalHealthDiagnosis1	19	AbusedAsChild		
4	HistoryMentalIllnessTreatment	12	CME_MentalHealthDiagnosis2	20	InterpersonalViolencePerpetrator		
5	AlcoholProblem	13	CME_MentalHealthDiagnosisOther	21	InterpersonalViolenceVictim		
6	SubstanceAbuseOther	14	IntimatePartnerViolence	22	FightBetweenTwoPeople		
7	OtherAddiction	15	IntimatePartnerProblem	23	Argument		
8	LE_MentalHealthDiagnosis1	16	FamilyStressors	24	LE_ArgumentTiming		
				25	CME_ArgumentTiming		

IX. Circumstances: *Mental, Health, Substance Abuse, and Other Addiction & Relationship and Life Stressors*

njury and Death	Circumstances	Weapons	Suspects	Toxicology	IPV	CFR	State Defined Data

☑ expand

☑ Circumstances From LE   ☑ Circumstances From CME

⊞ **Mental Health, Substance Abuse, and other Addictions**

⊞ **Relationship and Life Stressors**

⊟ **Crime and Criminal Activity**

LE	LE CRISIS	CME	CME CRISIS	
☐		☐		Precipitated by another crime **1**
☐		☐		First crime in progress **2**
☐	☐	☐	☐	Stalking **3**
☐	☐	☐	☐	Prostitution or sex trafficking **4**
☐		☐		Terrorist attack **5**
☐		☐		Walk-by assault **6**

Nature of first other crime from LE 9
🔍 LE nature of first crime   ▼

Nature of second other crime from LE 10
🔍 LE nature of second crime   ▼

Nature of first other crime from CME 11
🔍 CME nature of first crime   ▼

Nature of second other crime from CME 12
🔍 CME nature of second crim   ▼

Gang Related LE   **7**
🔍 LE Gang Related   ▼

Gang Related CME   **8**
🔍 CME Gang Related   ▼

1	PrecipitatedByOtherCrime	7	LE_GangType
2	OtherCrimeinProgress	8	CME_GangType
3	Stalking	9	LE_NatureOtherCrime1
4	Prostitution	10	LE_NatureOtherCrime2
5	TerroristAttack	11	CME_NatureOtherCrime1
6	WalkByAssault	12	CME_NatureOtherCrime2

X.   **Circumstances:** *Manner Specific Circumstances for Homicide and Suicide Deaths*

1	JustifiableSelfDefense	8	HateCrime	15	LE_DisclosedIntentToWhom	22	JobProblem
2	VictimPoliceOfficeOnDuty	9	Jealousy	16	CME_DisclosedIntentToWhom	23	FinancialProblem
3	Bystander	10	Brawl	17	SuicideNote	24	SchoolProblem
4	RandomViolence	11	DriveByShooting	18	SuicideThoughtHistory	25	EvictionorLossofHome
5	IntervenerAssistingVictim	12	DrugInvolvement	19	RecentCriminalLegalProblem	26	RecentSuicideFriendFamily
6	VictimUsedWeapon	13	SuicideAttemptHistory	20	LegalProblemOther	27	DeathFriendorFamilyOther
7	MercyKilling	14	SuicideIntentDisclosed	21	PhysicalHealthProblem	28	TraumaticAnniversary

XI. **Circumstances:** *Manner Specific Circumstances for Unintentional Firearm Deaths*

1 Hunting	10 GunThoughtSafetyEngaged
2 TargetShooting	11 GunThoughtUnloadedMagazineDisengaged
3 SelfDefense	12 GunThoughtUnloadedOther
4 CelebratoryFiring	13 GunUnintentionallyPulledTrigger
5 GunFiredLoadingUnloading	14 BulletRicochet
6 GunCleaning	15 GunDefectMalfunction
7 GunShowing	16 GunFiredHolstering
8 GunPlaying	17 GunDropped
9 OtherContextInjury	18 GunFiredOperatingSafetyLock
	19 GunThoughtToy
	20 OtherMechanismInjury

XII.   Circumstances: *Manner Specific Circumstances for Unintentional Firearm Deaths*

1   CrisisRecent
2   LE_CircumstancesOtherText
3   CME_CircumstancesOtherText

XIII. Weapons

1 WeaponType	10 GunLoaded	
2 WeaponOther	11 FirearmStolen	
3 FirearmType	12 GunOwner	
4 FirearmCaliber	13 GunStoredLocked	
5 FirearmGauge	14 YouthGunAccessNarrative	
6 FirearmMake		
7 FirearmMakeText		
8 FirearmModel		
9 FirearmModelText		

XIV. Suspects:

Suspect Edit

Age of suspect in years
`###` — 1

Sex
Q Type here to search ▾ — 2

Victim to suspect relationship 1
Q Type here to search ▾ — 3

Victim to suspect relationship 2
Q Type here to search ▾ — 4

☐ History of abuse of victim by this suspect — 5
☐ This suspect was a caregiver for the victim — 6
☐ Suspect attempted suicide after incident — 7
☐ This suspect is also a victim in the incident — 8
☐ Suspect mentally ill — 9
☐ Suspect had developmental disability — 10
☐ Suspected alcohol use by suspect — 11
☐ Suspected substance use by suspect — 12
☐ Suspect had been in contact with law enforcement — 13

Suspect was recently released from an institution
Q Type here to search ▾ — 14

Race
☐ White — 15
☐ Black or African American — 16
☐ Asian — 17
☐ Native Hawaiian or Other Pacific Islander — 18
☐ American Indian or Alaska Native — 19
☐ Unspecified Race — 20

Hispanic/Latino/Spanish
Q Type here to search ▾ — 21

Save Suspect **Cancel**

1 AgeYears	5 AbuseHistory	15 RaceWhite
2 Sex	6 CareGiver	16 RaceBlack
3 VictimSuspectRelationship1	7 AttemptedSuicide	17 RaceAsian
4 VictimSuspectRelationship2	8 SuspectAlsoVictim	18 RacePacificIslander
	9 SuspectMentallyIll	19 RaceAmericanIndian
	10 SuspectDisabilityDevelopmental	20 RaceUnspecified
	11 SuspectAlcoholUseSuspected	21 SuspectEthnicity
	12 SuspectSubstanceUseSuspected	
	13 SuspectRecentRelease	
	14 SuspectContactPolice	

XV.   Toxicology: *Toxicology Specimen Date & Toxicology Findings*

Demographics | Injury and Death | Circumstances | Weapons | Suspects | Toxicology | IPV | CFR

Comments 3

☐ No toxicology report 1

Date specimens were collected
Month Day Year   Time
[mm] [dd] [YYYY]   [HHMM] 2

Toxicology Findings

⊕ Add Substance

Substance 4	Tested 5	Results 6	Cause of Death 7	Person prescribed for 8	Category 9	
🔍 (57) 8-BALL COCAINE ⊗ ▼	🔍 (1) Tested ⊗ ▼	🔍 (1) Present ⊗ ▼	☐	🔍 Type here to search ▼	COCAINE (7)	Delete
🔍 (58) 8-BALL HEROIN ⊗ ▼	🔍 (1) Tested ⊗ ▼	🔍 (2) Not present ⊗ ▼	☐	🔍 Type here to search ▼	OPIATE (12)	Delete
🔍 (59) 8-BALL METHAMPHETA⊗ ▼	🔍 (1) Tested ⊗ ▼	🔍 (2) Not present ⊗ ▼	☑	🔍 Type here to search ▼	AMPHETAMINE (2)	Delete
🔍 (643) ALCOHOL ⊗ ▼	🔍 (1) Tested ⊗ ▼	🔍 (1) Present ⊗ ▼	☑	🔍 Type here to search ▼	ALCOHOL (1)	Delete
🔍 Type here to search ▼	🔍 Type here to sear ▼	🔍 Type here to sear ▼	☐	🔍 Type here to search ▼		Delete
🔍 Type here to search ▼	🔍 Type here to sear ▼	🔍 Type here to sear ▼	☐	🔍 Type here to search ▼		Delete
🔍 Type here to search ▼	🔍 Type here to sear ▼	🔍 Type here to sear ▼	☐	🔍 Type here to search ▼		Delete
🔍 Type here to search ▼	🔍 Type here to sear ▼	🔍 Type here to sear ▼	☐	🔍 Type here to search ▼		Delete

1	No Toxicology Available	7	SubstanceCausedDeath
2	SpecimensTime	8	DrugObtainedFor
3	Comments	9	SubstanceClass
4	SubstanceName		
5	SubstanceTested		
6	SubstanceResult		

15

XVI. *Toxicology Templates: new addition to the software*

There is now a "templates" feature that may assist in entering tox data that comes to abstractors in standardized formats. State administrators can create toxicology templates, and then abstractors can add a template to a victim record by clicking the "apply template" button on the toxicology tab.

XVII. Toxicology: Toxicology Summary:

Toxicology Summary

Category	Tested	Results		Category	Tested	Results
Alcohol	Type here to... 1	Type here to... 2 BAC: 0. 000 3		Barbiturates	Type here to... 15	Type here to... 16
Carbon Monoxide	Type here to... 4	Type here to... 5 Source 6		Benzodiazepines	Type here to... 17	Type here to... 18
Amphetamines	Type here to... 7	Type here to... 8		Cocaine	(1) Tested 19	(1) Present 20
Anticonvulsants	Type here to... 9	Type here to... 10		Marijuana	Type here to... 21	Type here to... 22
Antidepressants	Type here to... 11	Type here to... 12		Muscle Relaxants	Type here to... 23	Type here to... 24
Antipsychotic	Type here to... 13	Type here to... 14		Opiates	Type here to... 25	Type here to... 26

Set and save blank summary category fields to: [Not Tested (2)]   [Unknown (9)]

Narratives

1 AlcoholTested	9 AnticonvulsantsTested	17 BenzodiazepinesTested	25 OpiateTested
2 AlcoholResult	10 AnticonvulsantsResult	18 BenzodiazepinesResult	26 OpiateResult
3 AlcoholLevel	11 AntiDepressantTested	19 CocaineTested	
4 CarbonMonoxideTested	12 AntiDepressantResult	20 Cocaine test result	
5 CarbonMonoxideResult	13 AntipsychoticTested	21 MarijuanaTested	
6 CarbonMonoxideSource	14 AntipsychoticResult	22 MarijuanaResult	
7 AmphetamineTested	15 BarbituratesTested	23 MuscleRelaxantTested	
8 AmphetamineResult	16 BarbituratesResult	24 MuscleRelaxantResult	

XVIII. Documents Page

1 DocumentUnavailable	5 Date record re-requested
2 DocumentType	6 Date record received
3 AgencySource	7 AbstractedDate
4 Date record requested	8 Date entered data checked
	9 DocumentNotes

XIX. Incident Overview Page: *Acts as a home page for the incident, it displays when and incident is first created*

1	IncidentType	8	CompleteToxicology	15	LastUpdateDate
2	NumberOfDocuments	9	CompleteLE	16	DateDeleted
3	NumberofVictims	10	AbstractorName	17	DateMerged
4	NumberNonfatallyShot	11	SupervisorCheckedDate	18	NumberOfWeapons
5	FollowUp	12	SupervisorRecheckedDate	19	NumberOfSuspects
6	CompleteDC	13	CompleteIncident		
7	CompleteCME	14	CreateDate		

XX.   CME and LE Incident Narratives

1 NarrativeLE

2 NarrativeCME

XXI. <u>Import Page:</u> *Available to states to import information from death certificates, including ICD-10 and Coroner/Medical Examiner records. One new option added, the ability to identify the incident types for casing being imported.*

XXII. The Dashboard: *Displays on the Home Page, tool for each state to monitor and evaluate perform*

XXIII. *Incident Validation: this is a new addition to the software*

The new software architecture has allowed us to pull together all of the validation rules on the various data elements into a single screen. Now, you can click the "validate" button next to the "save" button and receive a report on all validation rules for the incident, like this:

Object	Location	Severity	Error Number	Error Message
Victim #1	Injury & Death	WARNING	W030	Except for legal intervention, the abstractor assigned manner of death must match the manner of death on the LE, CME, or DC. Please check this incident to ensure this is true.
Victim #1	Demographics	QUALITY	Q009	Person type is missing. Enter the correct value for person type.
Victim #1	Demographics	QUALITY	Q011	Sex is missing. Enter the correct value for sex (enter 9 'Unknown' if sex is missing or not listed).
Victim #1	Injury & Death	QUALITY	Q013	Manner of death per abstractor is suicide but Age unit is not years. Suicides should always have Age unit=1 ('Years') so change Age unit to 1 or if missing to 9 ('Missing') OR if incident is not a suicide change manner of death per abstractor to correct value.

Validation messages are based on the last saved version of the incident. If you have made changes to the incident, be sure to SAVE before running validation.

In addition to the errors and warnings that have always been in the software, we have added about two dozen "data quality checks" that we have been running in SAS as part of the data closeout process. We plan to add more checks in the future.

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XXIV. *Related Incidents: this is a new addition to the software*

We have added a panel to the Incident screen that allows users to create links between incidents. Each link has a description field and allows users to click through to see the related incident. The panel looks like this:

States will have a lot of freedom in determining what constitutes a "related" incident in NVDRS. Related incidents might include multiple homicides taking place outside of our 24-hour case definition criterion, unintentional drug overdoses with related suicides or homicides, and so on. In the future, we may add a drop down with relationship categories, based on how this feature is used in practice.

XXV. Overdose Module: *An optional module added to NVDRS web-based system for the State Unintentional Drug Overdose Reporting System (SUDORS). The existence of NVDRS and its web-system made rapid scale-up of SUDORS to respond to the increase in overdose deaths possible. NVDRS does not collect these data elements.*