

# Getting Started Guide – Web-based Injury Statistics Query and Reporting System (WISQARS)

## ➤ Home page access



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Welcome to WISQARS™



➔ Fatal injury reports, maps, cost of injuries, and leading causes of death

➔ Search criteria include type of injury and injury classification scheme

➔ Nonfatal injury reports, cost of injuries, and leading causes from 2000–2016

FATAL INJURY DATA

COST OF INJURY DATA

NONFATAL INJURY DATA

FATAL INJURY MAPPING

VIOLENT DEATHS

ABOUT US

➔ Examine death rates, demographics, geographies (region and state), and export data in Excel and PDF files

➔ Enter search criteria using the National Violent Death Reporting System (NVDRS)

➔ Search for query based on intent of injury, mechanism, body region, type of injury, geography, and demographics

## ➤ Fatal Injury Data – overview of fields



FATAL INJURY DATA	COST OF INJURY REPORTS
NONFATAL INJURY DATA	FATAL INJURY MAPPING
VIOLENT DEATHS	ABOUT US

### Fatal Injury Data



→ Users may select from cost of injury reports, fatal injury maps, fatal injury reports, leading causes of death, and year of potential life lost  
→ Generate reports, charts, maps and figures

#### Reports, Charts, and Maps

- WISQARS Data Visualization
- Fatal Injury Reports 1981-2016
- Fatal Injury Maps 2008-2014
- Cost of Injury Reports 2010
- Leading Causes of Death 1981-2016
- Years of Potential Life Lost (YPLL) 1981-2016

## ➤ Fatal Injury Data – 1<sup>st</sup> example

### Fatal Injury Data



#### Reports, Charts, and Maps

- WISQARS Data Visualization
- Fatal Injury Reports 1981-2016
- Fatal Injury Maps 2008-2014
- Cost of Injury Reports 2010
- Leading Causes of Death 1981-2016
- Years of Potential Life Lost (YPLL) 1981-2016

→ In this example, we want to generate a map of suicides in Illinois for all males that includes all ages from 2008 – 2014

→ Enter query into designated fields

→ We enter our intent of injury as suicides, for the state of Illinois, looking at males only, and we include crude rates

## Fatal Injury Mapping

**Injury Type Options**

All Injury/TBI:

Intent of Injury:

Mechanism of Injury:

**Scope of Map**

Census Region/State:

Years of Report:

**Demographic Subsetting Options**

Race:

Hispanic Origin:

Sex:

All Ages (includes unknown age)

Age Groups:  To

Custom Age Range:  To

**Death Rate Calculation Options**

Type of Rate:  Crude Rates  Age-adjusted Rates

Map Level:  State  County

Geospatial smoothing:  No smoothing  Smoothing

**Cost-of-Injury Option**

Medical/Work Loss Costs:  No Cost Estimates  Cost Estimates

Note: As of 05/25/2012 medical and work loss cost estimates are no longer provided via WISQARS Fatal Injury Mapping. Any work loss cost estimates previously generated using this application should be considered out of date. Cost estimates are now provided exclusively through WISQARS Cost-of-Injury Reports.

**Map Detail Options**

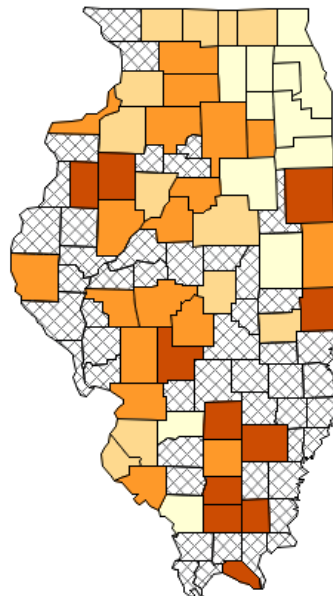
Interval Type:






Number of Intervals:

Color Scheme:

### ➤ Fatal Injury Data – 1<sup>st</sup> example output

2008-2014, Illinois  
Death Rates per 100,000 Population  
All Injury, Suicide, All Races, All Ethnicities, Males, All Ages  
Annualized Crude Rate for Illinois: 15.86



 Suppressed/Unstable/Undefined       9.22-16.83       16.84-19.94  
 19.95-26.32       26.33-47.13

→ Map is populated and shaded based on search criteria

## ➤ Fatal Injury Data – 2<sup>nd</sup> example

### Fatal Injury Data



→ In this example, we want to look at the years of potential life lost as a result of homicide for the US population in 2016

#### Reports, Charts, and Maps

- WISQARS Data Visualization
- Fatal Injury Reports 1981-2016
- Fatal Injury Maps 2008-2014
- Cost of Injury Reports 2010
- Leading Causes of Death 1981-2016
- Years of Potential Life Lost (YPLL) 1981-2016

### WISQARS Years of Potential Life Lost (YPLL) Report, 1981 and 2016

#### Year Range / Census Region

- Years (ICD-10 Codes): 1999 to 2016  
 Years (ICD-9 Codes): 1981 to 1998

#### Select specific options.

##### Census Region/State

United States

##### Year(s) of Report

2016  to 2016

##### Sex

Both Sexes

##### Race

All Races

##### Calculate YPLL before Age

65

##### Hispanic Origin

All

Submit Request

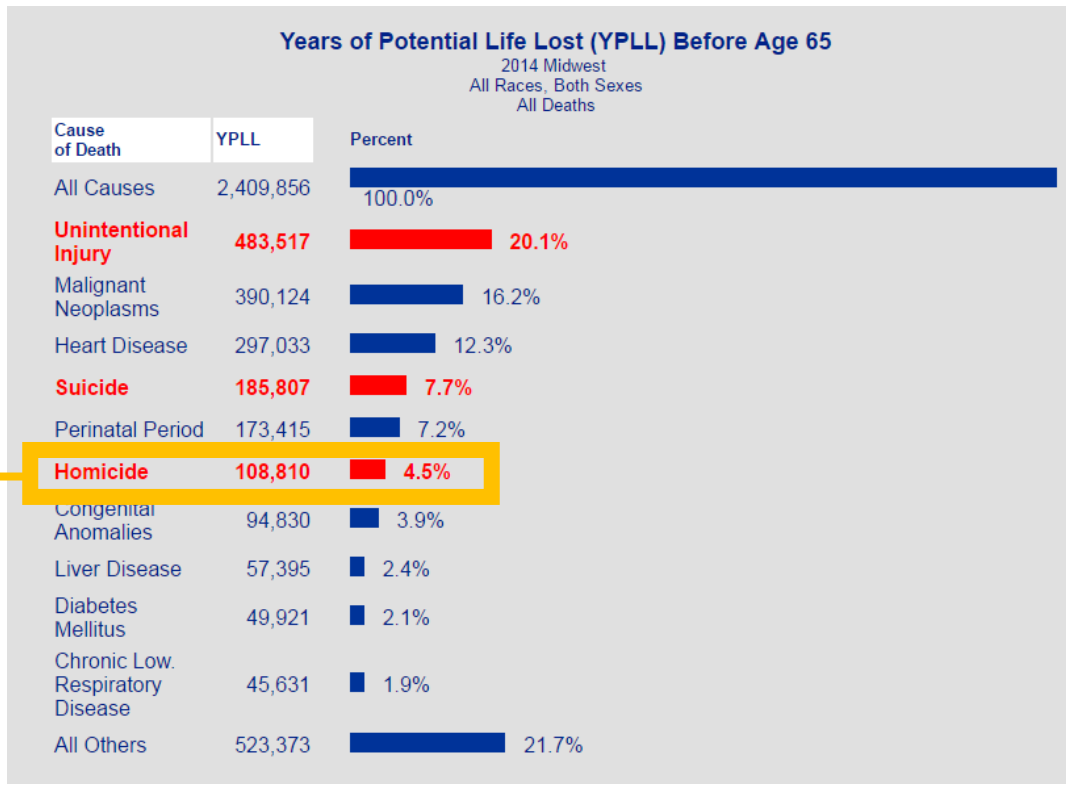
or

Reset

→ Enter query into designated fields

→ We enter United States as our census region, include all races, both sexes, and potential life lost before 65 years of age, in 2016

➤ Fatal Injury Data – 2<sup>nd</sup> example output



→ Figure depicts potential life lost by various causes of death

➤ Nonfatal Injury Data – overview of fields

FATAL INJURY DATA	COST OF INJURY REPORTS
<b>NONFATAL INJURY DATA</b>	FATAL INJURY MAPPING
VIOLENT DEATHS	ABOUT US

→ Users may select from cost of injury reports, nonfatal injury reports, and leading causes of nonfatal injuries

Reports and Charts	
• Cost of Injury Reports 2010	• Leading Causes of Nonfatal Injury 2000-2016
• Nonfatal Injury 2000-2016	

## ➤ Nonfatal Injury Data – 1<sup>st</sup> example

### Reports and Charts

- Cost of Injury Reports 2010
- Nonfatal Injury 2000-2016
- Leading Causes of Nonfatal Injury 2000-2016

→ In this example, we want to examine the cost of nonfatal injuries of motor vehicle occupant hospitalizations for 2010

**Type of Injury Outcome**

What was the Injury Outcome? (select only one radio button):

Death

Hospitalization

ED Treated and Released

**Injury Classification Scheme**

How are Injuries to be Classified? (select only one radio button):

Intent by Mechanism

Body Region by Nature of Injury

Go to Next Screen >

**Mechanism Level**

Indicate level of detail for selecting Mechanism(s) below (select only one radio button):

Mechanism Level 1 (All Mechanisms combined)

Mechanism Level 2 (e.g., 'Fall', 'Motor Vehicle Occupant')

Mechanism Level 3 (e.g., 'Dog Bite', 'MV Traffic Occupant')

**Intent**

All Intents

Unintentional

Violence-related

Assault

Assault-Other

Assault-Sexual

Legal Intervention

Self-Harm

**Mechanism**

All Mechanisms of Injury

Cut/Pierce

Drowning/Submersion

Fall

Fire/Burn

Gunshot

Firearm

BB/Pellet

Foreign Body

Machinery

Natural/Environmental

Bite/Sting

Dog Bite

Other Bite/Sting

Overexertion

Poisoning

Struck By/Against

Suffocation

→ Enter query into designated fields (divided into 3 separate screens)

→ We enter hospitalizations, for all intents, with the mechanism as motor vehicle occupant

Transportation

Motor Vehicle Occupant

**Report Options**

Generate a report with national data

Generate a report with your own case counts by year

---

**Geographic / Base Year Option**

Geographic Area: United States

Base Year: 2010

---

**Demographic Options**

Sex: Both Sexes

All Ages (includes unknown age)

Age Groups: 0-4 To 0-4

Custom Age Range: <1 To <1

**Statistical Options**

Type of Lifetime Cost (select one or more boxes):

Medical  Work Loss  Combined

Cost Measure (select one or both boxes):

Total  Average

Costs Expressed in:

U.S. Prices

---

**Output Group / Report Layout Options**

Down / Row      Across / Column

Mechanism      Intent

None      None

[< Back](#)   [Generate Report](#)

→ Enter remaining fields and generate report

➤ **Nonfatal Injury Data – 1<sup>st</sup> example output**

[Printable View](#)   [Export Data](#)

**Nonfatal Hospitalized Injuries, Both Sexes, All Ages , United States, 2010**  
**Intent: All**  
**Mechanism: Motor Vehicle Occupant**  
**Estimated Number of Nonfatal Injuries and Average and Total Lifetime Costs**  
**Classified by Mechanism and Intent**  
**Costs Expressed in 2010 U.S. Prices**

Hospitalizations and Type of Cost			Intent				
			Unintentional	Other Assault	Self Harm	Legal Intervention	Total
Mechanism	Number Hospitalized		178,505	985	1,112	26	180,630
<b>Motor Vehicle Occupant</b>	Medical Cost	Average	\$54,197	\$62,446*	\$62,151*	\$125,181*	\$54,302
		Total	\$9,674,460,000	\$61,551,000*	\$69,133,000*	\$3,361,000*	\$9,808,505,000
	Work Loss Cost	Average	\$119,618	\$162,230*	\$201,960*	\$426,661*	\$120,403
		Total	\$21,352,388,000	\$159,906,000*	\$224,647,000*	\$11,455,000*	\$21,748,396,000
	Combined Cost	Average	\$173,815	\$224,676*	\$264,111*	\$551,842*	\$174,705
		Total	\$31,026,848,000	\$221,458,000*	\$293,780,000*	\$14,816,000*	\$31,556,902,000

→ Output includes specified search criteria stated at the top, formatted tables, and option to export data

## ➤ Nonfatal Injury Data – 2<sup>nd</sup> example

### Nonfatal Injury Data



#### Reports and Charts

- Cost of Injury Reports 2010
- Nonfatal Injury 2000-2016
- **Leading Causes of Nonfatal Injury 2000-2016**

→ In this example, we want to look at the leading causes of nonfatal injuries for females hospitalized due to violence in 2016

#### Leading Causes of Nonfatal Injury Reports, 2000 - 2016

##### Year Range

- Years 2001 to 2016
- Year 2000 (Data collection started July 1, 2000)

##### Select specific options.

##### Sex

Females

##### Year(s) of Report

2016  to 2016

##### Disposition (Where the injured person went when released from emergency department)

All Cases

##### Intent of Injury

Violence - Related Only

##### Number of Causes

Top 10

##### Display Options

Standard Output

Submit Request

or

Reset

#### Advanced Options (not required)

##### Age Group Formatting

- 1-14 in 5-year groups; 15-65+ in 10-year groups
- 1-24 in 5-year groups; 25-65+ in 10-year groups
- 1-14 in 5-year groups; 15-85+ in 10-year groups
- Custom Age Range <1  to <1

→ Enter search criteria into designated fields

Submit Request

or

Reset



➤ Nonfatal Injury Data – 2<sup>nd</sup> example output

**10 Leading Causes of Nonfatal Violence-Related Injury, United States**

2016, All Races, Females, Disposition: All Cases

To obtain the percentage of all injuries by cause, select the age group category at the top of each column.

Rank	Age Groups										All Ages
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Other Assault Struck by/ Again 1,391	Sexual Assault 8,007	Sexual Assault 5,728	Other Assault Struck by/ Again 19,391	Other Assault Struck by/ Again 140,533	Other Assault Struck by/ Again 147,262	Other Assault Struck by/ Again 89,490	Other Assault Struck by/ Again 62,357	Other Assault Struck by/ Again 24,672	Other Assault Struck by/ Again 11,131	Other Assault Struck by/ Again 504,476
2	Sexual Assault 347*	Other Assault Struck by/ Again 3,921	Other Assault Struck by/ Again 4,328	Self-harm Poisoning 13,894	Self-harm Poisoning 59,304	Self-harm Poisoning 25,242	Self-harm Poisoning 22,854	Self-harm Poisoning 26,534	Self-harm Poisoning 15,418	Self-harm Poisoning 7,670	Self-harm Poisoning 171,248
3	Other Assault Fall 316*	Other Assault Unknown/ Unspec 163*	Other Assault Cut/Pierce 200*	Self-harm Cut/Pierce 11,379	Self-harm Cut/Pierce 30,446	Sexual Assault 16,535	Self-harm Cut/Pierce 7,034	Self-harm Other Specified 4,840	Self-harm Other Specified 2,567	Self-harm Other Specified 1,177*	Sexual Assault 78,375
4	Other Assault Fire/Burn 157*	Other Assault Fall 135*	Other Assault Other Bite/ Stn 198*	Sexual Assault 8,194	Sexual Assault 26,603	Self-harm Cut/Pierce 12,646	Sexual Assault 6,798	Sexual Assault 4,345	Self-harm Cut/Pierce 2,553	Sexual Assault 531*	Self-harm Cut/Pierce 68,568
5	Other Assault Unknown/ Unspec 150*	Other Assault Fire/Burn 120*	Self-harm Poisoning 132*	Self-harm Other Specified 4,270	Self-harm Other Specified 13,917	Other Assault Cut/Pierce 10,251	Self-harm Other Specified 4,667	Self-harm Cut/Pierce 3,991	Sexual Assault 1,286	Self-harm Cut/Pierce 507*	Self-harm Other Specified 40,117
6	Other Assault Poisoning 6*	Other Assault Other Bite/ Stn 108*	Other Assault Fire/Burn 122*	Self-harm Struck by/ Against 949*	Other Assault Cut/Pierce 8,110	Self-harm Other Specified 8,648	Other Assault Cut/Pierce 4,344	Other Assault Other Bite/ Stn 2,460	Other Assault Cut/Pierce 997*	Other Assault Fall 419*	Other Assault Cut/Pierce 27,192
7	Other Assault Other Bite/ Stn 6*	Other Assault Cut/Pierce 90*	Legal Int. Struck by/ Against 84*	Other Assault Cut/Pierce 605*	Other Assault Other Bite/ Stn 6,644	Other Assault Other Bite/ Stn 5,876	Other Assault Other Bite/ Stn 2,715	Other Assault Cut/Pierce 2,398*	Legal Int. Struck by/ Against 856*	Other Assault Other Bite/ Stn 339*	Other Assault Other Bite/ Stn 19,632
8	Other Assault Other Specified 6*	Self-harm Struck by/ Against 84*	Self-harm Other Bite/ Stn 84*	Other Assault Other Bite/ Stn 489*	Other Assault Firearm Gunshot 5,141*	Other Assault Firearm Gunshot 2,902*	Legal Int. Struck by/ Against 1,332	Legal Int. Struck by/ Against 974*	Other Assault Other Bite/ Stn 798*	Other Assault Firearm Gunshot 333*	Other Assault Firearm Gunshot 10,852*
9		Other Assault MV-Occupant 24*	Other Assault Firearm Gunshot 35*	Other Assault BB/Pellet Gunsh 255*	Self-harm Struck by/ Against 3,187	Legal Int. Struck by/ Against 1,927*	Other Assault Firearm Gunshot 1,057*	Self-harm Struck by/ Against 770*	Other Assault Firearm Gunshot 640*	Other Assault Other Transport 165*	Legal Int. Struck by/ Against 7,956
10		Other Assault Firearm Gunshot 12*	Self-harm Other Specified 30*	Other Assault Fire/Burn 229*	Legal Int. Struck by/ Against 2,483	Other Assault Overexertion 959*	Self-harm Struck by/ Against 896*	Other Assault Firearm Gunshot 640*	Other Assault Overexertion 476*	Other Assault Cut/Pierce 149*	Self-harm Struck by/ Against 6,556

→ Output includes breakdown by age group for top 10 leading nonfatal causes of hospitalizations for females due to violence in 2016

## ➤ Violent Deaths – overview of fields

FATAL INJURY DATA	COST OF INJURY REPORTS
NONFATAL INJURY DATA	FATAL INJURY MAPPING
<b>VIOLENT DEATHS</b>	ABOUT US

### National Violent Death Reporting System



Reports

- Violent Deaths 2003-2015

**Note:** Violent death data are currently provided for 27 NVDRS states and, therefore, are **not nationally representative**. [Learn more >>](#)

Help and Practice Questions

- Help
- Practice Questions

→ NVDRS currently provides violent death information for 17 funded states from 2003 – 2015

→ Includes data on death rates, intent or manner of injury (i.e. homicide, suicide, unintentional), victim/suspect relationship, demographic characteristics, and mechanism of injury (i.e. firearm, sharp instrument, etc.)

## ➤ Violent Deaths – example

Choose your **Report Options**, then click the **Submit** button.

For more information about an option or a category of options, click on the underlined name or phrase. To return to this page, click on the "back" button in your browser toolbar. Refreshing this page between queries may expedite your request. For background information on NVDRS, click [here](#).

**Report Options**

1. Select a **report type**. (Select only one button from the eight options below.)

Victims of Violence

- Violent Death Counts and Rates
- Violent Death Counts and Percentages by KNOWN CIRCUMSTANCES of DEATH, Place of Injury, Pregnancy Status, Homeless Status, and Military Status

Deaths and Rates

- Age-adjusted Rates, Crude Rates and Death Counts Use | 2000 | as the Standard Year
- Crude Rates and Death Counts

Suicide Victims Suspected of a Recent Homicide

- Suicide Counts and Rates
- Suicide Counts and Percentages by KNOWN CIRCUMSTANCES of DEATH

Incidents of Violence

- All Violent Incident Counts and Percentages
- Single-Victim Violent Incident Counts and Percentages
- Multiple-Victim Violent Incident Counts and Percentages

2. What was the **intent or manner** of the injury based on the abstractor-assigned manner of death? (Select one or more boxes.)

- All Intents (Uncheck box to select sub-groups)
- Unintentional firearm
- Homicide
- Legal Intervention
- Suicide
- Undetermined intent
- Homicide followed by Suicide

3. Specify the **relationship of victim to suspect**. (When applicable)

- All (Uncheck box to select sub-groups)
- Spouse or other intimate partner (current or ex)
- Parent
- Child
- Other Relative
- Victim injured by intimate partner of relative
- Acquaintance or friend
- Rival gang member
- Stranger
- Victim injured by law enforcement officer
- Other specified relationship
- Unknown

4. What was the **cause or mechanism** of the injury based on the abstractor-assigned manner of death? (Select one or more boxes.)

- Standard Injury Mortality Cause Groupings
- All injury (Uncheck box to select sub-groups)
  - Firearm
  - Cut/Pierce/Stab with sharp instrument
  - Struck by/against
  - Poisoning
  - Hanging, strangulation, suffocation
  - Fall
  - Drowning
  - Fire/Burn
  - Motor vehicle, including buses, motorcycles and other
  - Other
  - Unknown
- Firearm
  - All (Uncheck box to select sub-groups)
  - Handgun
  - Shotgun
  - Rifle
  - Other firearm
  - Combination of firearms
  - Unknown/Not reported
- Poisoning
  - All (Uncheck box to select sub-groups)
  - Street/recreational drugs only
  - Alcohol only
  - Prescription and over-the-counter (OTC) drugs
  - Carbon monoxide or other gas only
  - Multiple drug combinations
  - Other specified poison
  - Unknown drugs/Not reported

5. Select specific options. (Make multiple selections by dragging mouse or by holding down "control" [Ctrl] key.)

Select **Year(s) of Report**

2013  
2012  
2011  
2010

Select **Individual State(s)**

All funded states (For years selected)  
Alaska ( 2003 - 2013 )  
Colorado ( 2004 - 2013 )  
Georgia ( 2004 - 2013 )

Victim: **Race**

All Races  
White  
Black  
Am Indian/AK Native  
Asian/Pac Islander

Victim: **Ethnicity**

All Ethnicity  
Non-Hispanic  
Hispanic  
Unknown

Victim: **Sex**

Both Sexes  
Males  
Females

Select Additional Characteristics of Victims. (Make multiple selections by dragging mouse or by holding down "Control" [Ctrl] key.)

Victim: **Place of Injury**

All  
House/apartment/yard/driveway  
Residential institution/shelter/prison  
Highway/street/road/automobile  
Recreational/cultural area/public building  
Commercial/farm/industrial/construction area  
Natural area/countryside/forest  
Other including school/sports areas  
Unknown/Missing

Victim: **Pregnancy Status**

All  
Pregnant  
Not Pregnant  
Unknown/Missing

Victim: **Homeless Status**

All  
Homeless  
Not Homeless  
Unknown/Missing

Victim: **Military Status**

All  
Current/Former Military  
Non-Military  
Unknown/Missing

➔ In this example, we want to look at frequencies of homicide victims killed by sharp instruments in 2013 for all demographics in NVDRS states

➔ Enter query into designated fields

## ➤ Violent Deaths – example output

2013, NVDRS States: AK, CO, GA, KY, MA, MD, NC, NJ, NM, OH, OK, OR, RI, SC, UT, VA, WI  
All Victims Death Counts and Rates per 100,000  
Homicide, Cut/Pierce  
All Races, Both Sexes, All Ages

Number of Deaths	Population	Crude Rate	Age-Adjusted Rate**
518	95,927,066	0.54	0.54

Reports for All Ages include those of unknown age. Manner of death reported here is assigned by the state abstractor based on all available standard NVDRS data sources.

- No population estimate/rate not applicable.

\* Numbers of deaths 20 or fewer are shown in white. Rates based on these numbers are also shown in white and may be unstable. Use with caution.

--\* The number of deaths fewer than 10; the number has been suppressed to retain confidentiality.

--\*\* State-level counts and rates based on fewer than 10 deaths have been suppressed to retain confidentiality.

\*\* Standard Population is 2000, all races, both sexes.

Data Sources: National Violent Death Reporting System (NVDRS) for Number of Deaths, Bureau of Census for Population Estimates.

Produced by: Office of Statistics and Programming, National Center for Injury Prevention and Control, CDC

→ Output includes specified search criteria stated at the top and table of rates (crude and adjusted) for victims killed by sharp instruments in NVDRS states for 2013