

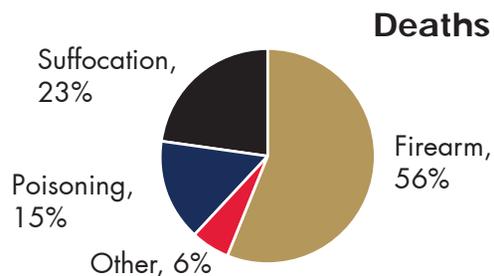
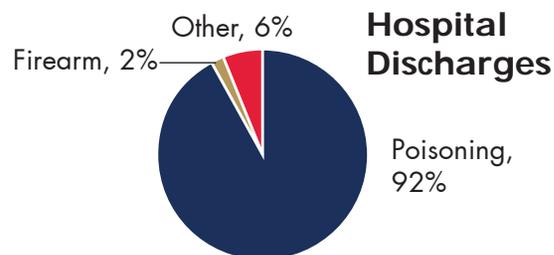
**2,101**  
**Deaths (2009-2013)**  
**8,245**  
**Hospital Discharges**  
**(2008-2012)**  
**10,931**  
**Emergency Department**  
**Visits (2008-2012)**

## Mechanism

The mechanism of suicide differs with increasing severity. For suicide hospital discharges the leading mechanism was poisoning. For suicide deaths the leading mechanism was firearm.

## Suicide Injury Severity

The more than 2,101 suicide deaths between 2009 and 2013 represent only a fraction of suicide injuries in Kansas. For every suicide death in Kansas, during 2008 to 2012, there were approximately 4 times as many suicide related hospital discharges (HD) and 5 times as many suicide related emergency department visits (EDV).



## How To Use this Document:

This document is intended to give readers an overview of suicide injuries in Kansas. Most of the numbers used to create the charts and graphs can be found in data tables at the end of this document.

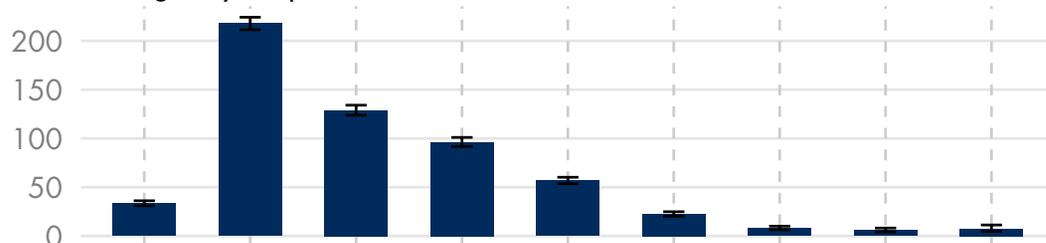
### Data Sources:

This document uses three databases to describe different severities of suicide injuries. The most serious is deaths. The two other databases reflect injuries that result in hospital care. The emergency department visit (EDV) database includes injuries that have a hospital stay of less than 24 hours, the least serious injuries. Hospital stays longer than 24 hours are hospital discharges (HD). All data for deaths refer to the 2009 to 2013 time period. All data for EDV and HD refer to the 2008 to 2012 time period.

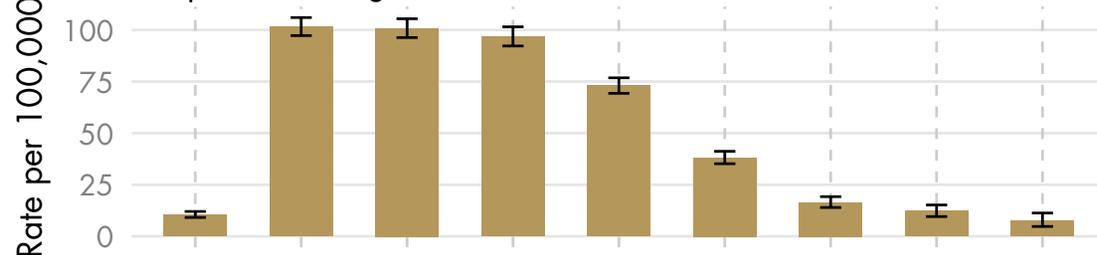
For more information, call: (785) 291-3742  
 email: [injury@kdheks.gov](mailto:injury@kdheks.gov), visit: [www.kdhe.ks.gov/idp](http://www.kdhe.ks.gov/idp)

## Kansas Age-specific Suicide Injury Rates

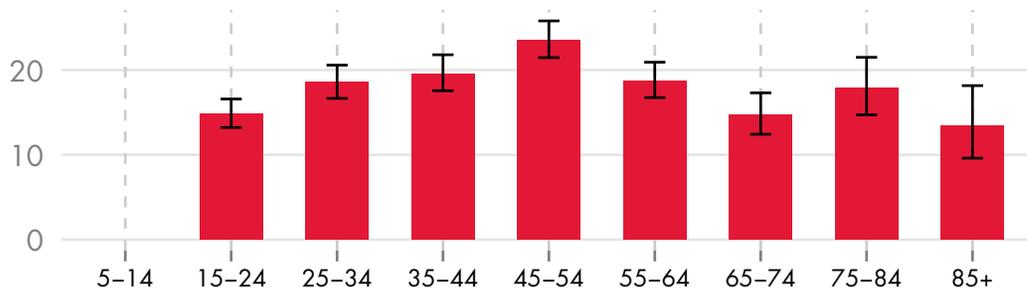
Emergency Dept. Visits: 2008–2012



Hospital Discharges: 2008–2012



Deaths: 2009–2013



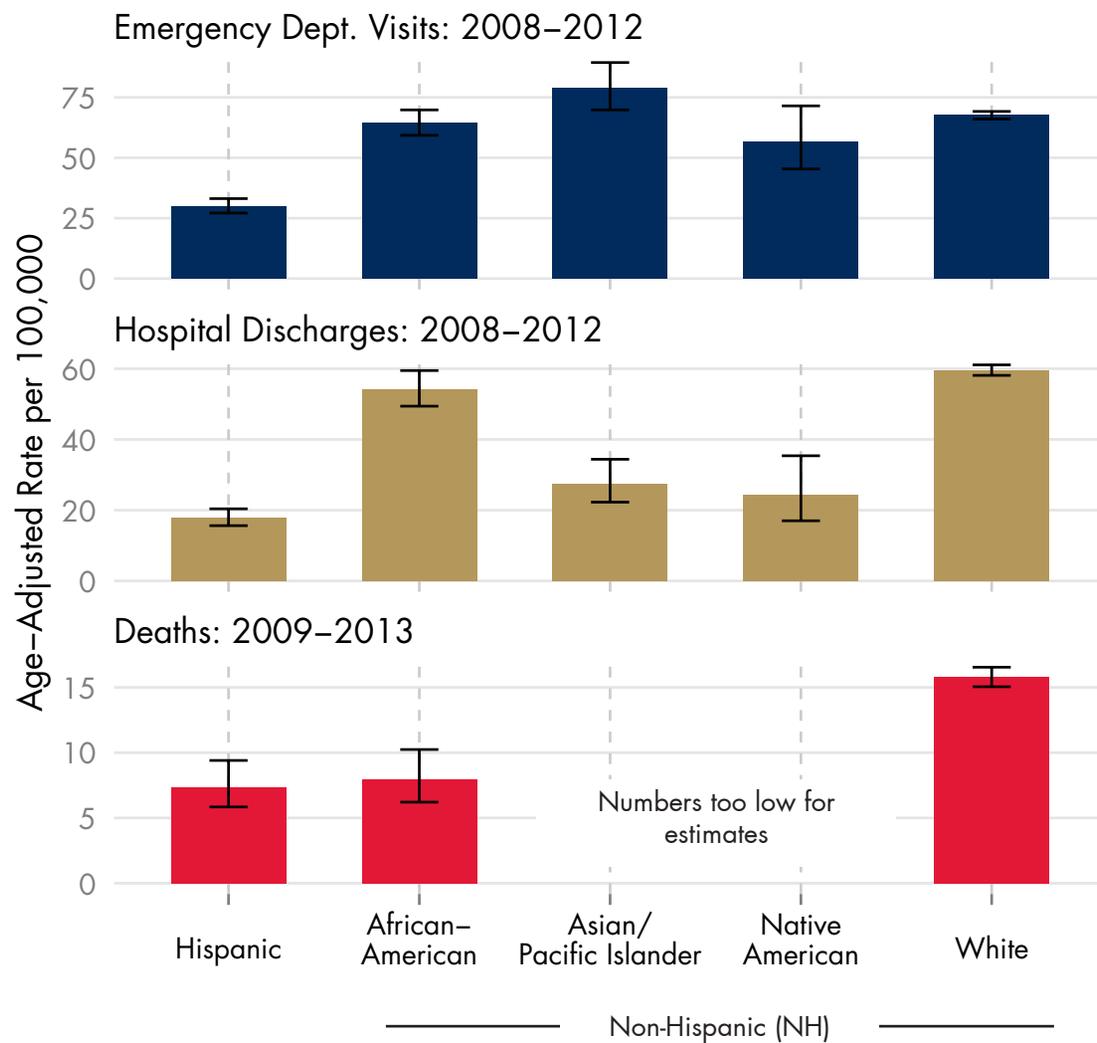
Age Group (Years)

Suicide injuries change over the lifespan. Suicide EDV and HD rates are low among 5 to 14 year olds. The suicide EDV rate was highest in those 15 to 24 years old and decreases with increasing age.

The suicide hospital discharge rate is highest among those 15 to 44 years old and decreases as age increases.

The pattern of suicide death rates is much different than HD and EDV. The suicide death rate is highest among 45 to 54 year olds as compared with most other age groups.

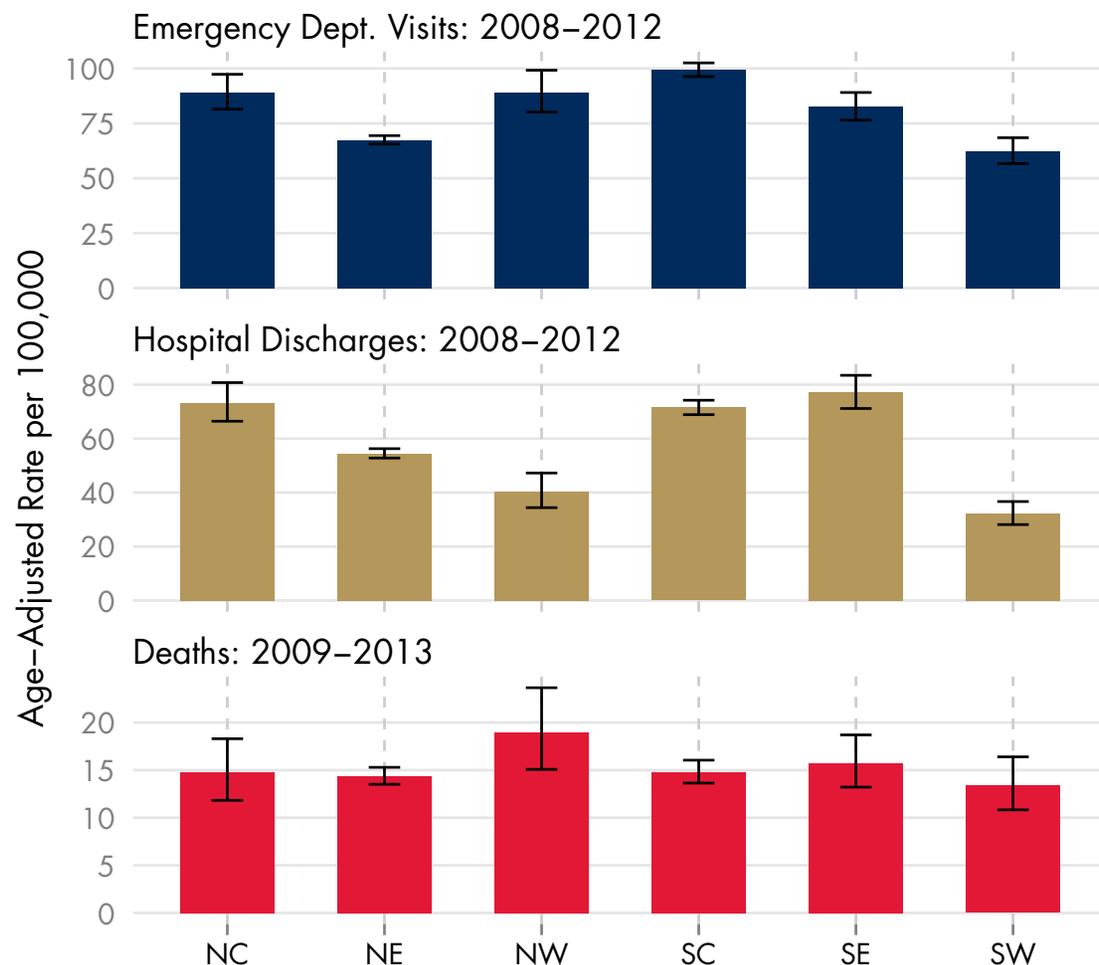
### Kansas Suicide Injury Rates by Race/Ethnicity



Racial/ethnic differences exist when looking at suicide injuries. Hispanics had the lowest rate of suicide emergency department visits. Non-Hispanic (NH) African-Americans and NH whites had the highest rates of suicide hospital discharge. Non-hispanic whites had the highest rate of suicide death.

Note: Suicide injury rates by race/ethnicity are per 100,000 population and are age-adjusted to the 2000 U.S. Standard population using the direct method.

## Kansas Suicide Injury Rates by Trauma Region



Suicide injury rates differ by trauma region in Kansas. The lowest suicide EDV rates were seen in the northeast and southwest regions as compared with the rest of the state.

The lowest suicide HD rates were seen in the northwest and southwest regions as compared with the rest of the state. There were no significant differences in suicide death rates across trauma regions.

Abbreviations: NC= North central, NE=Northeast, NW=Northwest, SC=South central, SE=Southeast and SW=Southwest.

Note: Suicide injury rates by trauma region are per 100,000 population and are age-adjusted to the 2000 U.S. Standard population using the direct method.

Category	#Deaths	Death Rate per 100k*	95% CI	#HD	HD Rate per 100k*	95% CI	#EDV	EDV Rate per 100k*	95% CI
<b>Age Group (in years, age specific rates)</b>									
<1	...	...	...	...	...	...	...	...	...
1-4	...	...	...	...	...	...	7	...	...
5-14	19	...	...	207	10.5	9.1-12.0	659	33.5	31.0-36.1
15-24	308	14.8	13.2-16.6	2,102	101.6	97.3-106.0	4,507	217.8	211.5-224.2
25-34	353	18.5	16.7-20.6	1,900	100.8	96.3-105.4	2,429	128.8	123.8-134.1
35-44	338	19.6	17.6-21.8	1,686	96.8	92.2-101.5	1,678	96.3	91.8-101.1
45-54	465	23.5	21.5-25.8	1,464	73.0	69.3-76.8	1,140	56.8	53.6-60.2
55-64	319	18.7	16.7-20.9	629	38.1	35.2-41.2	371	22.5	20.2-24.9
65-74	146	14.7	12.4-17.3	157	16.4	14.0-19.2	77	8.1	6.4-10.1
75-84	112	17.9	14.7-21.5	76	12.1	9.6-15.2	37	5.9	4.2-8.1
85+	41	13.4	9.6-18.2	23	7.5	4.8-11.3	23	7.5	4.8-11.3

Category	#Deaths	Death Rate per 100k*	95% CI	#HD	HD Rate per 100k*	95% CI	#EDV	EDV Rate per 100k*	95% CI
<b>Racial/Ethnic Group</b>									
Hispanic	97	7.4	5.8-9.4	275	17.8	15.6-20.4	479	29.9	27.1-33.1
NH African-American	73	8.0	6.2-10.2	491	54.2	49.4-59.5	636	64.4	59.3-69.8
NH Asian/Pacific Islander	16	...	...	108	27.4	22.3-34.4	303	78.8	69.8-89.4
NH Native American	11	...	...	36	24.4	17.0-35.4	88	56.8	45.4-71.5
NH White	1,833	15.8	15.0-16.5	6,458	59.6	58.1-61.1	7,232	67.6	66.0-69.2

NH: Non-Hispanic

...: Suppressed due to low counts

Category	#Deaths	Death Rate per 100k*	95% CI	#HD	HD Rate per 100k*	95% CI	#EDV	EDV Rate per 100k*	95% CI
<b>Gender</b>									
Female	404	5.6	5.1-6.2	4,806	70.7	68.7-72.8	6,340	93.7	91.4-96.1
Males	1,697	24.1	22.9-25.3	3,439	49.5	47.8-51.2	4,591	64.6	62.8-66.6
<b>Trauma Region</b>									
NC	92	14.8	11.8-18.3	434	73.3	66.4-80.8	512	89.1	81.5- 97.4
NE	1,051	14.4	13.5-15.3	3,899	54.5	52.8-56.3	4,905	67.5	65.6- 69.4
NW	91	18.9	15.1-23.7	172	40.4	34.4-47.3	376	89.3	80.2- 99.2
SC	623	14.8	13.6-16.0	2,859	71.5	68.9-74.2	3,982	99.4	96.3-102.6
SE	146	15.8	13.2-18.7	650	77.1	71.1-83.5	702	82.6	76.5- 89.1
SW	97	13.4	10.8-16.4	231	32.2	28.1-36.7	454	62.4	56.7- 68.5
Total	2,101	14.7	14.1-15.3	8,245	59.9	58.6-61.3	10,931	78.8	77.3-80.3

**Technical Notes:**

Suicide EDVs and HDs were defined as cases with the following ICD-9CM E-codes: E950-E959. Suicide deaths were defined as deaths with following ICD-10 codes: X60-X84, Y87.0, U03

95% CI: 95% Confidence Interval

\*Suicide injury rates are per 100,000 population and are age-adjusted to the 2000 U.S. Standard population using the direct method (unless noted as age specific).

Source: 2008-2012 Kansas Emergency Department and Hospital Discharge Database, Kansas Hospital Association, 2009-2013 Kansas Vital Statistics, Bureau of Epidemiology and Public Health Informatics.

Trauma Region: Abbreviations: NC= North Central, NE=Northeast, NW=Northwest, SC=South Central, SE=Southeast and SW=Southwest. Trauma regions are defined by the Kansas Trauma Program. For more information on the current boundaries please visit [www.kstrauma.org](http://www.kstrauma.org).