

## Data Sources:

**Multiple Cause of Death (MCOD) Files, 2009-2013**, National Center for Health Statistics. The MCOD file is a census of all deaths in the U.S. and some territories. Five years data were combined to compute stable rates. Nevertheless, for some specific causes and in small states and territories, the cumulative number of deaths are less than ten and could not be reported. The counts presented in this fact sheet were generated from an analysis of the raw data files by the CSN Economics and Data Analysis Resource Center (EDARC).

**State Inpatient Databases (SID), 2012**, Healthcare Utilization Project, Agency for Healthcare Research and Quality (AHRQ). The AHRQ sponsors a Federal-State-Industry partnership, known as HCUP, which includes the largest collection of health care databases and associated software and products in the country, including the SID, from collaborating states. The SID is a census of hospital discharge data compiled from, currently, 46 states. The counts presented in this fact sheet were generated from an analysis of the raw data files by the CSN EDARC. Counts exclude patients dead at the time of discharge, chronic/overuse injuries, and/or injuries treated at hospitals that do not meet the American Hospital Association's (AHA) criteria of a short-term community hospital. To prevent double-counting, readmission cases, transfers, and medical misadventures were excluded. All counts based on the patients' state of residence. To find out more about the SID and HCUP, please visit <http://www.hcup-us.ahrq.gov/sidoverview.jsp>.

**Fatal Analysis Reporting System (FARS), 2009-2013**, National Highway Traffic Safety Administration. The FARS is a census of all motor vehicle-related crashes involving one or more fatalities. FARS provides data on all vehicles involved in fatal crashes, including driver information. Five years data were combined to compute stable rates. Like the MCOD, some states and the territories had fewer than 10 deaths and could not be reported. The counts presented in this data sheet were generated from an analysis of the raw data files by the CSN EDARC.

**Population statistics (Ages 0 - 24 years)**: United States Department of Health and Human Services (US DHHS), Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), Bridged-Race Population Estimates, United States July 1st resident population by state. Retrieved from: <http://wonder.cdc.gov/bridged-race-v2013.html>.

*Note regarding small numbers of cases:* In compliance with the privacy standards recommended by the National Center for Health Statistics and in order to avoid inadvertent disclosure of individual cases, no figure, including totals, is less than 10 in tabulations for sub-national geographic areas, regardless of the number of years combined. Instead, the symbol "\*" is used to denote less than 10 cases.

*Suggested reference:* Children's Safety Network State Fact Sheets, Children's Safety Network Economics and Data Analysis Resource Center (CSN EDARC), at the Pacific Institute for Research and Evaluation (PIRE), Calverton, MD, April, 2016.



# Hospital-Admitted Injuries, Age 0-9, 2012 Kansas

**Table 1a: Incidence and Rates (per 100,000) of Hospital-Admitted Injuries  
by Intent, Mechanism, and Age Group, 2012**

Intent/Mechanism							Ages 0 - 9	
	Age <1	Rate	Age 1-4	Rate	Age 5-9	Rate	Total	Rate
<b>Total Incidence</b>	<b>76</b>	<b>192.0</b>	<b>212</b>	<b>129.9</b>	<b>164</b>	<b>80.2</b>	<b>452</b>	<b>111.0</b>
<b>Unintentional</b>	<b>59</b>	<b>149.1</b>	<b>197</b>	<b>120.7</b>	<b>151</b>	<b>73.8</b>	<b>407</b>	<b>99.9</b>
Cut/Pierce	0	0.0	****	****	****	****	****	****
Drowning	****	****	****	****	****	****	****	****
Fall	29	73.3	70	42.9	54	26.4	153	37.6
Fire/Burn	****	****	18	11.0	****	****	31	7.6
<i>Fire/Flame</i>	0	0.0	****	****	****	****	****	****
<i>Hot Object/Substance</i>	****	****	16	9.8	****	****	25	6.1
Firearm	0	0.0	0	0.0	****	****	****	****
Machinery	0	0.0	****	****	****	****	****	****
Motor Vehicle Traffic	****	****	12	7.4	21	10.3	****	****
<i>Occupant</i>	****	****	****	****	13	6.4	23	5.6
<i>Motorcyclist</i>	0	0.0	0	0.0	0	0.0	0	0.0
<i>Pedal Cyclist</i>	0	0.0	0	0.0	****	****	****	****
<i>Pedestrian</i>	0	0.0	****	****	****	****	****	****
<i>Unspecified</i>	0	0.0	0	0.0	0	0.0	0	0.0
<i>Other</i>	0	0.0	0	0.0	0	0.0	0	0.0
Pedal Cyclist, Other	0	0.0	****	****	****	****	****	****
Pedestrian, Other	0	0.0	****	****	****	****	****	****
Transport, Other	0	0.0	****	****	****	****	11	2.7
Bites and Stings	0	0.0	24	14.7	12	5.9	36	8.8
Other Natural/Environmental	****	****	****	****	****	****	14	3.4
Overexertion	0	0.0	0	0.0	0	0.0	0	0.0
Poisoning	****	****	34	20.8	****	****	51	12.5
Struck By/Against	****	****	13	8.0	12	5.9	****	****
Suffocation	****	****	****	****	0	0.0	****	****
Other	****	****	****	****	0	0.0	****	****
<b>Self-Inflicted</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>0</b>	<b>0.0</b>	<b>****</b>	<b>****</b>
Cut/Pierce	0	0.0	0	0.0	0	0.0	0	0.0
Firearm	0	0.0	0	0.0	0	0.0	0	0.0
Poisoning	0	0.0	****	****	0	0.0	****	****
Suffocation	0	0.0	0	0.0	0	0.0	0	0.0
Other	****	****	0	0.0	0	0.0	****	****
<b>Assault</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>
Cut/Pierce	0	0.0	0	0.0	0	0.0	0	0.0
Firearm	****	****	****	****	0	0.0	****	****
Struck By/Against	0	0.0	****	****	****	****	****	****
Other	****	****	****	****	****	****	****	****
<b>Undetermined</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>
Poisoning	****	****	****	****	****	****	****	****
Other	****	****	0	0.0	0	0.0	****	****
<b>Legal/Military</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
<b>Unspecified</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>29</b>	<b>7.1</b>

**Note:** \*\*\*\* = cell value ranges from 1-10. Row and column totals in bold reflect the actual totals for a given incidence category. Row and column totals not in bold include a value of "\*\*\*\*" and do not necessarily reflect the actual total for that row or column. Totals may not add due to rounding and/or cases with missing age data. Population counts from the U.S. Bureau of the Census.

**Data Source:** 2012 Kansas State Inpatient Databases (SID), Healthcare Cost and Utilization Project (HCUP), Agency for Healthcare Research and Quality (AHRQ).



# Hospital-Admitted Injuries, Age 10-19, 2012 Kansas

**Table 1b: Incidence and Rates (per 100,000) of Hospital-Admitted Injuries  
by Intent, Mechanism, and Age Group, 2012**

Intent/Mechanism					Ages 10-19	
	Age 10-14	Rate	Age 15-19	Rate	Total	Rate
<b>Total Incidence</b>	<b>317</b>	<b>157.7</b>	<b>776</b>	<b>385.3</b>	<b>1,093</b>	<b>271.6</b>
<b>Unintentional</b>	<b>198</b>	<b>98.5</b>	<b>408</b>	<b>202.6</b>	<b>606</b>	<b>150.6</b>
Cut/Pierce	****	****	****	****	****	****
Drowning	0	0.0	****	****	****	****
Fall	48	23.9	53	26.3	101	25.1
Fire/Burn	****	****	****	****	****	****
<i>Fire/Flame</i>	****	****	****	****	****	****
<i>Hot Object/Substance</i>	0	0.0	****	****	****	****
Firearm	****	****	15	7.4	****	****
Machinery	****	****	****	****	****	****
Motor Vehicle Traffic	43	21.4	163	80.9	206	51.2
<i>Occupant</i>	32	15.9	136	67.5	168	41.7
<i>Motorcyclist</i>	****	****	****	****	****	****
<i>Pedal Cyclist</i>	****	****	****	****	****	****
<i>Pedestrian</i>	****	****	****	****	12	3.0
<i>Unspecified</i>	****	****	****	****	****	****
<i>Other</i>	0	0.0	****	****	****	****
Pedal Cyclist, Other	****	****	****	****	15	3.7
Pedestrian, Other	****	****	****	****	****	****
Transport, Other	26	12.9	32	15.9	58	14.4
Bites and Stings	16	8.0	16	7.9	32	8.0
Other Natural/Environmental	****	****	****	****	****	****
Overexertion	****	****	****	****	****	****
Poisoning	11	5.5	37	18.4	48	11.9
Struck By/Against	27	13.4	43	21.3	70	17.4
Suffocation	0	0.0	****	****	****	****
Other	****	****	****	****	****	****
<b>Self-Inflicted</b>	<b>91</b>	<b>45.3</b>	<b>283</b>	<b>140.5</b>	<b>374</b>	<b>92.9</b>
Cut/Pierce	43	21.4	69	34.3	112	27.8
Firearm	0	0.0	0	0.0	0	0.0
Poisoning	45	22.4	205	101.8	250	62.1
Suffocation	****	****	****	****	****	****
Other	****	****	****	****	****	****
<b>Assault</b>	<b>****</b>	<b>****</b>	<b>31</b>	<b>15.4</b>	<b>33</b>	<b>8.2</b>
Cut/Pierce	0	0.0	****	****	****	****
Firearm	****	****	14	7.0	****	****
Struck By/Against	****	****	****	****	11	2.7
Other	0	0.0	****	****	****	****
<b>Undetermined</b>	<b>****</b>	<b>****</b>	<b>18</b>	<b>8.9</b>	<b>****</b>	<b>****</b>
Poisoning	****	****	18	8.9	****	****
Other	****	****	0	0.0	****	****
<b>Legal/Military</b>	<b>0</b>	<b>0.0</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>
<b>Unspecified</b>	<b>18</b>	<b>9.0</b>	<b>35</b>	<b>17.4</b>	<b>53</b>	<b>13.2</b>

**Note:** \*\*\*\* = cell value ranges from 1-10. Row and column totals in bold reflect the actual totals for a given incidence category. Row and column totals not in bold include a value of "\*\*\*\*" and do not necessarily reflect the actual total for that row or column. Totals may not add due to rounding and/or cases with missing age data. Population counts from the U.S. Bureau of the Census.

**Data Source:** 2012 Kansas State Inpatient Databases (SID), Healthcare Cost and Utilization Project (HCUP), Agency for Healthcare Research and Quality (AHRQ).

# Leading Causes of Injury Deaths, Age 0-24, 2009-2013 Kansas

Table 2: Leading Causes and Total 5-Year Incidence of Injury Deaths by Age Group, Kansas, 2009-2013

Rank	Age Groups							
	<1		1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	
1	Suffocation 49		MVT 28	MVT 22	MVT 23	MVT 186	MVT 254	
2	Homicide 15		Drowning 20	**Three Tied 10	Suicide 17	Suicide 118	Suicide 188	
3	Undetermined Unspecified ****		Homicide 17	Suffocation ****	Homicide 12	Homicide 39	Poisoning 101	
4	MVT ****	Other spec clasfbl ****	Fire/Burn 14	**Three Tied ****	Drowning ****	Poisoning 27	Homicide 93	
5	*Three Tied ****		Suffocation 12		Other land transport ****	Drowning 13	Other land transport 15	Drowning 15

**Note:** All mechanisms of suicide and homicide were combined according to intent. Each listed mechanism is unintentional except those otherwise noted. \*\*\*\* = indicates that the cell values range from 1-9 and are suppressed for data confidentiality purposes. \*For age <1, four mechanisms were tied for the third ranking including MVT, Other transport, Poisoning, and Other specific and classifiable. \*\*For age 1-4, three mechanisms were tied for the fourth ranking including Drowning, Pedestrian, other, and Other transport. ^For age 5-9, three mechanisms were tied for the fourth ranking including Other transport, Homicide, and Undetermined Suffocation. Each of these mechanisms had fewer than 10 deaths.

**Data Source:** Kansas Multiple Cause of Death File (MCOF), 2009-2013, National Center for Health Statistics.

# Leading Causes of Hospital-Admitted Injuries, Age 0-24, 2012 Kansas

**Table 3: Leading Causes and Annual Incidence of Hospital-Admitted  
Injuries by Age Group, Kansas, 2012**

Rank	Age Groups							
	<1	1 - 4	5 - 9		10 - 14	15 - 19	20 - 24	
1	Assault 37	Fall 70	Fall 54		Self-Inflicted 92	Self-Inflicted 295	Self-Inflicted 332	
2	Fall 29	Poisoning 34	MVT 21		Fall 48	MVT 163	MVT 255	
3	Unintentional Unspecified 11	Bites and stings 24	Struck by/ against 12	Bites and stings 12	MVT 43	Fall 53	Assault 90	
4	Unspecified *	Assault 19	Unspecified 10	Poisoning 10	Struck by/ against 27	Struck by/ against 43	Fall 86	
5	Other natural/env *	Poisoning *	Hot object/ substance 16	Transport, other *	Pedal cyclist, other *	Transport, other 26	Assault 42	Poisoning 73

**Note:** All mechanisms of assault and self-inflicted injury and were combined according to intent. Each listed mechanism is unintentional except those labeled "Unspecified" or otherwise noted. MVT = Motor Vehicle Traffic. NEC = Not Elsewhere Classifiable. Spec = Specified. Nat/Env = Natural/Environmental. \* = cell values that range from 1-10 were suppressed for data confidentiality purposes. †For ages < 1, six mechanisms were tied for the third ranking including Fall, Hot Object/Substance, Other Natural/Environmental, Suffocation, Other Spec & Classifiable, And Other Specified, NEC. ††For ages <5-9, four mechanisms were tied for the fourth ranking including Pedal Cyclist, Other; Other Natural/Env; Unintentional Unspecified; and Unspecified. †††For ages 5-9, four mechanisms were tied for the fifth ranking including Hot object/substance; Transport, Other; Other Spec & Classifiable; and Other Specified, NEC. Source: Children's Safety Network Economics and Data Analysis Resource Center (CSN EDARC), at Pacific Institute for Research and Evaluation (PIRE), Calverton, MD, April, 2015. Incidence based on 2012 Kansas State Inpatient Databases (SID), Healthcare Cost and Utilization Project (HCUP), Agency for Healthcare Research and Quality (AHRQ). Counts exclude patients dead at the time of discharge, chronic/overuse injuries, and/or injuries treated at hospitals that do not meet the American Hospital Association's (AHA) criteria of a short-term community hospital. To prevent double-counting, readmission cases, transfers, and medical misadventures were excluded. All counts based on the patients' state of residence.

**Data Source:** Kansas State Inpatient Databases, 2012, Healthcare Utilization Project, Agency for Healthcare Research and Quality.

# Child Passenger Injuries, Age 0-14 Kansas

**Table 4a: Child Passenger Deaths and Hospitalizations**

	Deaths <sup>1</sup> (2009-2013)	Deaths <sup>1</sup> per 100,000	Hospital Admissions <sup>2</sup> (2012)	Hospital Admissions <sup>2</sup> per 100,000	Total Hospital Days	Median Hospital Days
Age 0-4	28	0.52	10	4.93	87	2.5
Age 5-9	20	0.37	13	6.36	124	3
Age 10-14	21	0.37	32	15.92	164	2
Total Age 0-14	69	0.42	55	9.04	375	2

**Table 4b: Restraint Use of Children Killed In Crashes<sup>1</sup>**

Not restrained, Age 0-4	32.1%
Not restrained, Age 5-9	40.0%
Not restrained, Age 10-14	76.2%
Not restrained, Age 0-14	47.8%

**Table 4c: Who Is Driving When a Child Passenger Is Killed<sup>1</sup>**

Driver reported by police as alcohol-involved	13.0%
Driver reported by police as drug-involved	7.2%
Driver of other vehicle in crash reported alcohol-involved	0.0%
Driver reported using a cellphone	5.1%

**Data Sources:** Population counts from the U.S. Bureau of the Census. <sup>1</sup> Fatal Analysis Reporting System, 2009-2013, National Highway Traffic Safety Administration. <sup>2</sup> State Inpatient Databases, 2012, Healthcare Utilization Project, Agency for Healthcare Research and Quality.

\* = Less than 10.

n/a = Not available.

# Teen Occupant Injuries, Age 15-19 Kansas

**Table 5a: Teenage Motor Vehicle Occupant Deaths and Hospitalizations**

	Deaths <sup>1</sup> (2009-2013)	Deaths <sup>1</sup> per 100,000	Hospital Admissions <sup>2</sup> (2012)	Hospital Admissions <sup>2</sup> per 100,000	Total Hospital Days	Median Hospital Days
Total Occupants	188	3.13	142	70.50	594	3
Vehicle	180	3.00	136	67.52	572	3
Motorcycle	*	*	*	*	22	3

**Table 5b: Restraint and Helmet Use of Teen Occupants Killed in Crashes<sup>1</sup>**

Vehicle occupants not restrained	61.2%
Motorcycle riders not wearing a helmet, or wearing non-DOT-compliant helmet	75.0%

**Table 5c: Alcohol Involvement in Crashes Where a Teen Occupant is Killed<sup>1</sup>**

Any driver reported by police as alcohol-involved	33.0%
Teen driver of teen killed reported by police as alcohol-involved	26.1%

**Table 5d: Driver Cell Phone Use in Crashes Where a Teen Occupant is Killed<sup>1</sup>**

Drivers reported using a cellphone (2010-2013)	2.1%
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**Data Sources:** Population counts from the U.S. Bureau of the Census. <sup>1</sup> Fatal Analysis Reporting System, 2009-2013, National Highway Traffic Safety Administration. <sup>2</sup> State Inpatient Databases, 2012, Healthcare Utilization Project, Agency for Healthcare Research and Quality.

\* = Less than 10.

n/a = Not available.

# Suicide & Self-Harm, Age 10-19 Kansas

**Table 6a: Suicide Deaths and Self-Harm Hospitalizations Among 10 to 19 Year-Olds**

	Deaths <sup>1</sup> (2009-2013)	Deaths <sup>1</sup> per 100,000	Hospital Admissions <sup>2</sup> (2012)	Hospital Admissions <sup>2</sup> per 100,000	Total Hospital Days	Median Hospital Days
Total	135	6.71	387	96.16	1178	2
Cut/Pierce	0	0.00	112	27.83	486	4
Firearm	62	3.08	0	0	0	0
Poisoning	10	0.50	250	62.12	548	2

**Data Sources:** Population counts from the U.S. Bureau of the Census. <sup>1</sup> Multiple Cause of Death File, 2009-2013, National Center for Health Statistics. <sup>2</sup> State Inpatient Databases, 2012, Healthcare Utilization Project, Agency for Healthcare Research and Quality.

\* = Less than 10.

n/a = Not available.



# Interpersonal Violence, Age 0-19 Kansas

**Table 7a: Homicide Deaths and Assault Hospitalizations Among 0 to 19 Year-Olds**

	Deaths <sup>1</sup> (2009-2013)	Deaths <sup>1</sup> per 100,000	Hospital Admissions <sup>2</sup> (2012)	Hospital Admissions <sup>2</sup> per 100,000	Total Hospital Days	Median Hospital Days
Age 0-9	42	2.07	14	3.44	71	3.5
Age 10-19	51	1.26	37	9.19	136	2
Child Maltreatment, Age 0-3	*	*	n/a	n/a	n/a	n/a

**Data Sources:** Population counts from the U.S. Bureau of the Census. <sup>1</sup> Multiple Cause of Death File, 2009-2013, National Center for Health Statistics. <sup>2</sup> State Inpatient Databases, 2012, Healthcare Utilization Project, Agency for Healthcare Research and Quality.

\* = Less than 10.

n/a = Not available.

# Falls & Struck by /Against Injuries, Age 0-19 Kansas

**Table 8: Fall and Struck By/Against Deaths and Hospitalizations Among 0 to 19 Year-Olds, with Sports/Recreation-Related and Furniture/Stair-Related Injuries Highlighted**

	Deaths <sup>1</sup> (2009-2012) <sup>3</sup>	Deaths <sup>1</sup> per 100,000	Hospital Admissions <sup>2</sup> (2012)	Hospital Admissions <sup>2</sup> per 100,000	Total Hospital Days	Median Hospital Days
Age 0-9, Total	10	0.49	179	43.95	480	2
Sports/Recreation			28	6.87	40	1
Furniture/Stairs			52	12.77	182	2
Age 10-19, Total	*	*	171	42.49	420	2
Sports/Recreation			71	17.64	153	2
Furniture/Stairs			*	*	38	6

**Data Sources:** Population counts from the U.S. Bureau of the Census. <sup>1</sup> Multiple Cause of Death File, 2009-2013, National Center for Health Statistics. <sup>2</sup> State Inpatient Databases, 2012, Healthcare Utilization Project, Agency for Healthcare Research and Quality.

\* = Less than 10.

n/a = Not available.

# Drug Poisoning Among Youths Ages 15-24 Kansas

Figure 2: MVT, Suicide and Drug Poisoning Fatality Rates Among Youths Aged 15 through 24, Kansas, 2009-2013

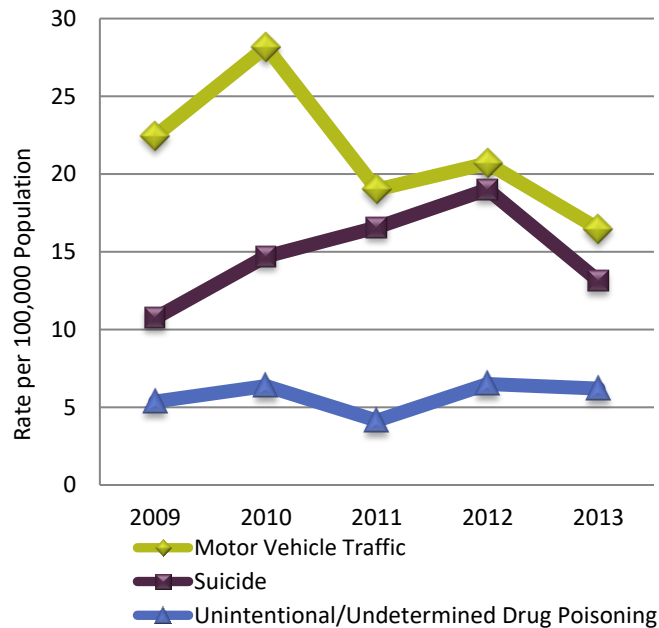
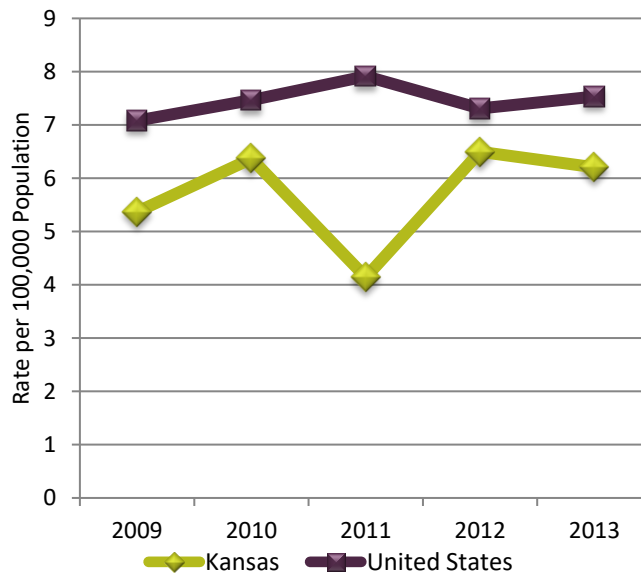


Figure 3: Fatal Unintentional and Undetermined Drug Poisoning Rate Among Youths Aged 15 through 24, Kansas and U.S., 2009-2013



# Drug Poisoning Among Youths Ages 15-24 Kansas

Figure 4: Percentage Distribution of Fatal Unintentional And Undetermined Drug Poisoning By Drug Type Among Youths Aged 15 through 24, Kansas, 2009-2013]

