

## 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 California

**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>1,224</b>	<b>246.0</b>	<b>4,561</b>	<b>225.4</b>	<b>3,771</b>	<b>148.3</b>	<b>9,556</b>	<b>188.7</b>
<b>Unintentional</b>	<b>962</b>	<b>193.4</b>	<b>3,775</b>	<b>186.6</b>	<b>3,126</b>	<b>122.9</b>	<b>7,863</b>	<b>155.3</b>
Cut/Pierce	12	2.4	38	1.9	69	2.7	119	2.4
Drowning	20	4.0	166	8.2	45	1.8	231	4.6
Fall	438	88.0	1,605	79.3	1,658	65.2	3,701	73.1
Fire/Burn	72	14.5	376	18.6	97	3.8	545	10.8
<i>Fire/Flame</i>	****	****	28	1.4	23	0.9	****	****
<i>Hot Object/Substance</i>	70	14.1	348	17.2	74	2.9	492	9.7
Firearm	0	0.0	12	0.6	13	0.5	25	0.5
Machinery	****	****	****	****	****	****	17	0.3
Motor Vehicle Traffic	34	6.8	261	12.9	378	14.9	673	13.3
<i>Occupant</i>	26	5.2	138	6.8	177	7.0	341	6.7
<i>Motorcyclist</i>	****	****	****	****	****	****	16	0.3
<i>Pedal Cyclist</i>	0	0.0	****	****	43	1.7	****	****
<i>Pedestrian</i>	****	****	108	5.3	145	5.7	****	****
<i>Unspecified</i>	0	0.0	****	****	0	0.0	****	****
<i>Other</i>	0	0.0	****	****	****	****	****	****
Pedal Cyclist, Other	0	0.0	52	2.6	152	6.0	204	4.0
Pedestrian, Other	0	0.0	25	1.2	27	1.1	52	1.0
Transport, Other	0	0.0	37	1.8	93	3.7	130	2.6
Bites and Stings	13	2.6	251	12.4	199	7.8	463	9.1
Other Natural/Environmental	31	6.2	40	2.0	21	0.8	92	1.8
Overexertion	****	****	19	0.9	17	0.7	****	****
Poisoning	82	16.5	520	25.7	53	2.1	655	12.9
Struck By/Against	37	7.4	219	10.8	229	9.0	485	9.6
Suffocation	118	23.7	108	5.3	31	1.2	257	5.1
Other	98	19.7	37	1.8	37	1.5	172	3.4
<b>Self-Inflicted</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>13</b>	<b>0.3</b>
Cut/Pierce	0	0.0	0	0.0	****	****	****	****
Firearm	0	0.0	0	0.0	0	0.0	0	0.0
Poisoning	****	****	****	****	****	****	****	****
Suffocation	0	0.0	0	0.0	0	0.0	0	0.0
Other	0	0.0	****	****	****	****	****	****
<b>Assault</b>	<b>45</b>	<b>9.0</b>	<b>19</b>	<b>0.9</b>	<b>14</b>	<b>0.6</b>	<b>78</b>	<b>1.5</b>
Cut/Pierce	****	****	****	****	****	****	****	****
Firearm	0	0.0	****	****	****	****	****	****
Struck By/Against	****	****	****	****	****	****	16	0.3
Other	36	7.2	****	****	****	****	50	1.0
<b>Undetermined</b>	<b>23</b>	<b>4.6</b>	<b>15</b>	<b>0.7</b>	<b>****</b>	<b>****</b>	<b>****</b>	<b>****</b>
Poisoning	14	2.8	12	0.6	****	****	****	****
Other	****	****	****	****	****	****	13	0.3
<b>Legal/Military</b>	<b>0</b>	<b>0.0</b>	<b>****</b>	<b>****</b>	<b>0</b>	<b>0.0</b>	<b>****</b>	<b>****</b>
<b>Unspecified</b>	<b>193</b>	<b>38.8</b>	<b>747</b>	<b>36.9</b>	<b>620</b>	<b>24.4</b>	<b>1,560</b>	<b>30.8</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 California State Inpatient Databases (SID), Healthcare Cost and Utilization Project (HCUP), Agency for Healthcare Research and Quality (AHRQ).



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

**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>4,433</b>	<b>174.6</b>	<b>10,228</b>	<b>378.8</b>	<b>14,661</b>	<b>279.8</b>
<b>Unintentional</b>	<b>3,007</b>	<b>118.4</b>	<b>5,653</b>	<b>209.4</b>	<b>8,660</b>	<b>165.3</b>
Cut/Pierce	88	3.5	138	5.1	226	4.3
Drowning	23	0.9	23	0.9	46	0.9
Fall	1,050	41.4	1,243	46.0	2,293	43.8
Fire/Burn	60	2.4	89	3.3	149	2.8
<i>Fire/Flame</i>	13	0.5	40	1.5	53	1.0
<i>Hot Object/Substance</i>	47	1.9	49	1.8	96	1.8
Firearm	22	0.9	103	3.8	125	2.4
Machinery	****	****	23	0.9	****	****
Motor Vehicle Traffic	561	22.1	2,032	75.3	2,593	49.5
<i>Occupant</i>	203	8.0	1,266	46.9	1,469	28.0
<i>Motorcyclist</i>	23	0.9	203	7.5	226	4.3
<i>Pedal Cyclist</i>	145	5.7	182	6.7	327	6.2
<i>Pedestrian</i>	172	6.8	311	11.5	483	9.2
<i>Unspecified</i>	****	****	38	1.4	****	****
<i>Other</i>	13	0.5	32	1.2	45	0.9
Pedal Cyclist, Other	230	9.1	253	9.4	483	9.2
Pedestrian, Other	16	0.6	16	0.6	32	0.6
Transport, Other	163	6.4	308	11.4	471	9.0
Bites and Stings	133	5.2	100	3.7	233	4.4
Other Natural/Environmental	25	1.0	43	1.6	68	1.3
Overexertion	91	3.6	149	5.5	240	4.6
Poisoning	73	2.9	382	14.1	455	8.7
Struck By/Against	385	15.2	590	21.9	975	18.6
Suffocation	20	0.8	21	0.8	41	0.8
Other	62	2.4	140	5.2	202	3.9
<b>Self-Inflicted</b>	<b>593</b>	<b>23.4</b>	<b>2,029</b>	<b>75.1</b>	<b>2,622</b>	<b>50.0</b>
Cut/Pierce	278	10.9	651	24.1	929	17.7
Firearm	****	****	****	****	****	****
Poisoning	269	10.6	1,246	46.1	1,515	28.9
Suffocation	14	0.6	34	1.3	48	0.9
Other	30	1.2	90	3.3	120	2.3
<b>Assault</b>	<b>88</b>	<b>3.5</b>	<b>1,330</b>	<b>49.3</b>	<b>1,418</b>	<b>27.1</b>
Cut/Pierce	12	0.5	378	14.0	390	7.4
Firearm	27	1.1	540	20.0	567	10.8
Struck By/Against	47	1.9	377	14.0	424	8.1
Other	****	****	35	1.3	****	****
<b>Undetermined</b>	<b>31</b>	<b>1.2</b>	<b>171</b>	<b>6.3</b>	<b>202</b>	<b>3.9</b>
Poisoning	25	1.0	167	6.2	192	3.7
Other	****	****	****	****	****	****
<b>Legal/Military</b>	<b>****</b>	<b>****</b>	<b>33</b>	<b>1.2</b>	<b>****</b>	<b>****</b>
<b>Unspecified</b>	<b>712</b>	<b>28.0</b>	<b>1,012</b>	<b>37.5</b>	<b>1,724</b>	<b>32.9</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 California 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 California

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

Rank	Age Groups					
	<1	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24
1	Suffocation 169	Drowning 254	MVT 175	MVT 193	Homicide 1,390	MVT 2,062
2	Homicide 152	Homicide 174	Homicide 57	Suicide 124	MVT 1,085	Homicide 1,864
3	MVT 31	MVT 158	Drowning 46	Homicide 105	Suicide 743	Suicide 1,403
4	Undetermined Suffocation 14	Pedestrian, other 64	Other transport transport 14	Drowning 34	Poisoning 315	Poisoning 1,091
5	Undetermined Unspecified 13	Suffocation 62	Pedestrian, other 12	Poisoning 19	Drowning 87	Drowning 147

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

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

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

Age Groups						
Rank	<1	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24
1	Fall 438	Fall 1,605	Fall 1,658	Fall 1,050	Self-Inflicted 2,095	MVT 3,211
2	Unspecified 193	Unspecified 747	Unspecified 620	Unspecified 712	MVT 2,032	Assault 2,276
3	Unintentional Unspecified 166	Poisoning 520	MVT 378	Self-Inflicted 608	Assault 1,491	Self-Inflicted 1,822
4	Assault 154	Other spec & classifiable 410	Struck by/ against 229	MVT 561	Fall 1,243	Fall 1,479
5	Other spec & classifiable 148	Hot object/ substance 348	Bites and stings 199	Struck by/ against 385	Unspecified 1,012	Unspecified 832

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

# Child Passenger Injuries, Age 0-14 California

**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	102	1.89	164	6.51	454	1
Age 5-9	115	2.11	177	6.96	785	2
Age 10-14	95	1.68	203	7.99	877	2
Total Age 0-14	312	1.89	544	7.16	2116	2

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

Not restrained, Age 0-4	21.6%
Not restrained, Age 5-9	39.1%
Not restrained, Age 10-14	44.2%
Not restrained, Age 0-14	34.9%

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

Driver reported by police as alcohol-involved	14.1%
Driver reported by police as drug-involved	5.5%
Driver of other vehicle in crash reported alcohol-involved	10.2%
Driver reported using a cellphone	1.9%

**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 California

**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	858	14.28	1469	54.40	6687	2
Vehicle	804	13.38	1266	46.89	5748	2
Motorcycle	54	0.90	203	7.52	939	2

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

Vehicle occupants not restrained	35.0%
Motorcycle riders not wearing a helmet, or wearing non-DOT-compliant helmet	57.4%

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

Any driver reported by police as alcohol-involved	36.7%
Teen driver of teen killed reported by police as alcohol-involved	15.3%

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

Drivers reported using a cellphone (2010-2013)	0.8%
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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 California

**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	867	3.26	2703	51.59	10475	4
Cut/Pierce	10	0.04	929	17.73	4979	4
Firearm	235	0.88	10	0.19	74	3.5
Poisoning	67	0.25	1515	28.92	3830	2

**Data Sources:** Population counts from the U.S. Bureau of the Census. <sup>1</sup> Multiple Cause of Death File, 2008-2012, 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 California

**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	383	1.52	56	1.11	288	2.5
Age 10-19	1495	2.88	1580	30.16	6662	2
Child Maltreatment, Age 0-3	40	0.40	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, 2008-2012, 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 California

**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> (2009-2013)	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, Total	69	0.27	4186	82.67	7679	1
Sports/Recreation			944	18.64	1306	1
Furniture/Stairs			1039	20.52	1660	1
Age 10-19, Total	60	0.23	3268	62.37	8504	2
Sports/Recreation			1429	27.27	3312	2
Furniture/Stairs			159	3.03	444	2

**Data Sources:** Population counts from the U.S. Bureau of the Census. <sup>1</sup> Multiple Cause of Death File, 2008-2012, 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 California

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

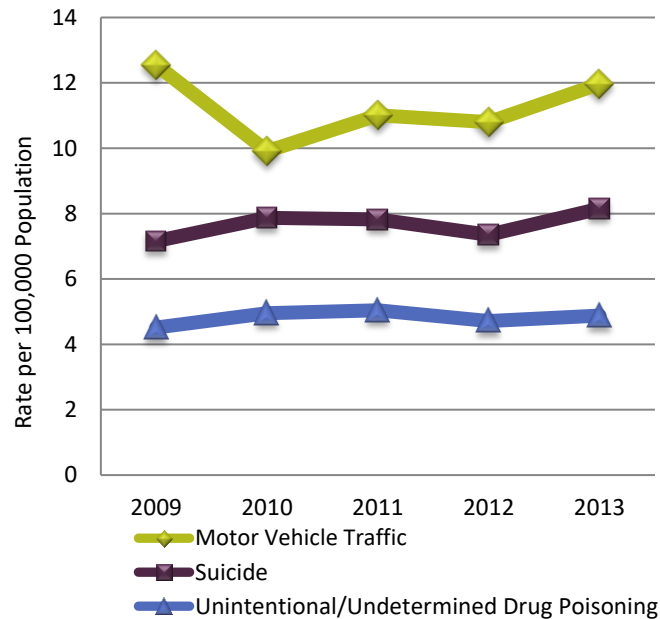
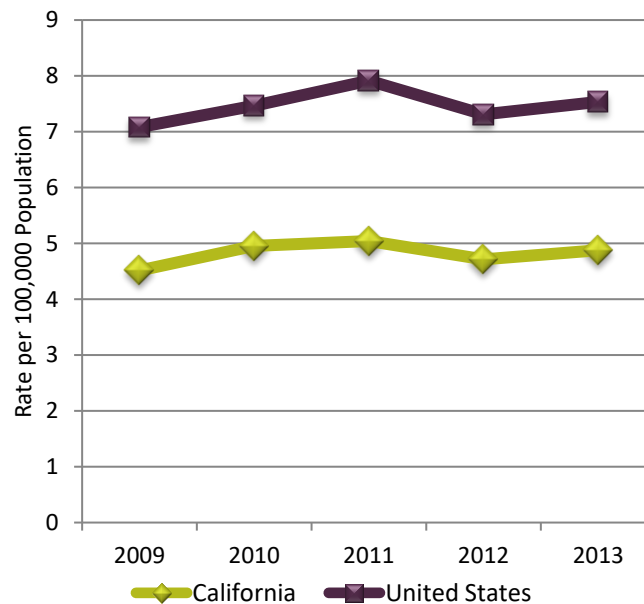


Figure 3: Fatal Unintentional and Undetermined Drug Poisoning Rate Among Youths Aged 15 through 24, California and U.S., 2009-2013



# Drug Poisoning Among Youths Ages 15-24 California

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

