

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 Rhode Island

**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 |
| Total Incidence | 37 | 338.0 | 65 | 146.5 | 58 | 97.3 | 160 | 139.2 |
| Unintentional | 33 | 301.5 | 62 | 139.7 | 53 | 88.9 | 148 | 128.8 |
| Cut/Pierce | 0 | 0.0 | **** | **** | **** | **** | **** | **** |
| Drowning | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Fall | 15 | 137.0 | 17 | 38.3 | 14 | 23.5 | 46 | 40.0 |
| Fire/Burn | **** | **** | **** | **** | **** | **** | 18 | 15.7 |
| <i>Fire/Flame</i> | 0 | 0.0 | **** | **** | **** | **** | **** | **** |
| <i>Hot Object/Substance</i> | **** | **** | **** | **** | **** | **** | 12 | 10.4 |
| Firearm | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Machinery | 0 | 0.0 | **** | **** | 0 | 0.0 | **** | **** |
| Motor Vehicle Traffic | **** | **** | **** | **** | **** | **** | **** | **** |
| <i>Occupant</i> | **** | **** | **** | **** | **** | **** | **** | **** |
| <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 | 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 | **** | **** |
| Pedal Cyclist, Other | 0 | 0.0 | **** | **** | **** | **** | **** | **** |
| Pedestrian, Other | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Transport, Other | 0 | 0.0 | 0 | 0.0 | **** | **** | **** | **** |
| Bites and Stings | **** | **** | **** | **** | **** | **** | 11 | 9.6 |
| Other Natural/Environmental | **** | **** | **** | **** | 0 | 0.0 | 11 | 9.6 |
| Overexertion | 0 | 0.0 | 0 | 0.0 | **** | **** | **** | **** |
| Poisoning | **** | **** | **** | **** | **** | **** | 13 | 11.3 |
| Struck By/Against | **** | **** | **** | **** | **** | **** | **** | **** |
| Suffocation | **** | **** | **** | **** | **** | **** | **** | **** |
| Other | **** | **** | **** | **** | **** | **** | **** | **** |
| Self-Inflicted | 0 | 0.0 | 0 | 0.0 | **** | **** | **** | **** |
| 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 | 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 | **** | **** | **** | **** |
| Assault | **** | **** | 0 | 0.0 | **** | **** | **** | **** |
| 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 |
| Struck By/Against | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Other | **** | **** | 0 | 0.0 | **** | **** | **** | **** |
| Undetermined | 0 | 0.0 | **** | **** | 0 | 0.0 | **** | **** |
| Poisoning | 0 | 0.0 | **** | **** | 0 | 0.0 | **** | **** |
| Other | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Legal/Military | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Unspecified | **** | **** | **** | **** | 0 | 0.0 | **** | **** |

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 Rhode Island State Inpatient Databases (SID), Healthcare Cost and Utilization Project (HCUP), Agency for Healthcare Research and Quality (AHRQ).

Hospital-Admitted Injuries, Age 10-19, 2012 Rhode Island

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

| Intent/Mechanism | Age 10-14 | | Age 15-19 | | Ages 10-19 | |
|-----------------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| | Age 10-14 | Rate | Age 15-19 | Rate | Total | Rate |
| Total Incidence | 107 | 172.7 | 268 | 351.3 | 375 | 271.3 |
| Unintentional | 60 | 96.8 | 115 | 150.8 | 175 | 126.6 |
| Cut/Pierce | **** | **** | **** | **** | **** | **** |
| Drowning | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Fall | 15 | 24.2 | 28 | 36.7 | 43 | 31.1 |
| Fire/Burn | **** | **** | 0 | 0.0 | **** | **** |
| <i>Fire/Flame</i> | **** | **** | 0 | 0.0 | **** | **** |
| <i>Hot Object/Substance</i> | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Firearm | 0 | 0.0 | **** | **** | **** | **** |
| Machinery | 0 | 0.0 | **** | **** | **** | **** |
| Motor Vehicle Traffic | **** | **** | 30 | 39.3 | **** | **** |
| <i>Occupant</i> | **** | **** | 20 | 26.2 | **** | **** |
| <i>Motorcyclist</i> | 0 | 0.0 | **** | **** | **** | **** |
| <i>Pedal Cyclist</i> | **** | **** | **** | **** | **** | **** |
| <i>Pedestrian</i> | **** | **** | **** | **** | **** | **** |
| <i>Unspecified</i> | 0 | 0.0 | **** | **** | **** | **** |
| <i>Other</i> | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Pedal Cyclist, Other | **** | **** | **** | **** | **** | **** |
| Pedestrian, Other | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Transport, Other | **** | **** | **** | **** | 11 | 8.0 |
| Bites and Stings | **** | **** | **** | **** | **** | **** |
| Other Natural/Environmental | **** | **** | **** | **** | **** | **** |
| Overexertion | 0 | 0.0 | **** | **** | **** | **** |
| Poisoning | **** | **** | 12 | 15.7 | **** | **** |
| Struck By/Against | 13 | 21.0 | **** | **** | **** | **** |
| Suffocation | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Other | **** | **** | **** | **** | 11 | 8.0 |
| Self-Inflicted | 42 | 67.8 | 113 | 148.1 | 155 | 112.1 |
| Cut/Pierce | 11 | 17.8 | 27 | 35.4 | 38 | 27.5 |
| Firearm | 0 | 0.0 | **** | **** | **** | **** |
| Poisoning | 15 | 24.2 | 65 | 85.2 | 80 | 57.9 |
| Suffocation | **** | **** | **** | **** | **** | **** |
| Other | 13 | 21.0 | 18 | 23.6 | 31 | 22.4 |
| Assault | **** | **** | 26 | 34.1 | **** | **** |
| Cut/Pierce | 0 | 0.0 | **** | **** | **** | **** |
| Firearm | 0 | 0.0 | **** | **** | **** | **** |
| Struck By/Against | **** | **** | **** | **** | **** | **** |
| Other | 0 | 0.0 | **** | **** | **** | **** |
| Undetermined | 0 | 0.0 | **** | **** | **** | **** |
| Poisoning | 0 | 0.0 | **** | **** | **** | **** |
| Other | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Legal/Military | **** | **** | **** | **** | **** | **** |
| Unspecified | **** | **** | **** | **** | 11 | 8.0 |

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 Rhode Island 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 Rhode Island

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

| Rank | Age Groups | | | | | | | | | | |
|------|-------------------------------------|------------------|-----------------------|-----------------------------------|------------------|------------------|------------------|-----------------------|----------------|------------------------|----------------|
| | <1 | | 1 - 4 | | 5 - 9 | 10 - 14 | | 15 - 19 | | 20 - 24 | |
| 1 | Suffocation **** | | MVT **** | | MVT **** | Suicide **** | | MVT 30 | | Poisoning 40 | |
| 2 | Fire/Burn **** | Homicide **** | Drowning **** | Natural/ environmental **** | Homicide **** | Drowning **** | Homicide **** | Suicide 19 | | MVT 39 | |
| 3 | Undetermined Suffocation **** | Drowning **** | *Five Tied **** | | Drowning **** | MVT **** | | Poisoning 15 | Homicide 15 | Suicide 29 | Homicide 29 |
| 4 | | | | | | | | Drowning **** | | ^Three Tied **** | |
| 5 | | | | | | | | **Six Tied **** | | ^Four Tied **** | |

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: Rhode Island Multiple Cause of Death File (MCOD), 2009-2013, National Center for Health Statistics.

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

Rhode Island

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

| Rank | Age Groups | | | | | | | |
|------|------------------------|--------------------------------|-------------------------------|-----------------------------------|---------------------------|---------------------------------|---------------------------------|-----------------|
| | <1 | 1 - 4 | | 5 - 9 | 10 - 14 | 15 - 19 | 20 - 24 | |
| 1 | Fall 15 | Fall 17 | | Fall 14 | Self-Inflicted 46 | Self-Inflicted 118 | Self-Inflicted 96 | |
| 2 | Assault * | Other natural/env * | Hot object/ substance * | Bites and stings * | Fall 15 | Assault 31 | MTV 60 | |
| 3 | Other natural/env * | Unintentional Unspecified * | Struck by/ against * | Other spec & classifiable * | Poisoning * | Struck by/ against 13 | Assault 43 | |
| 4 | Three Tied† * | Poisoning * | | Unintentional Unspecified * | Other specified, NEC * | Unintentional Unspecified 10 | Fall 28 | Fall 42 |
| 5 | Four Tied†† * | Suffocation * | Cut/ pierce * | MVT * | Self-Inflicted * | MTV * | Unintentional Unspecified 16 | Poisoning 19 |

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 Rhode Island 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: Rhode Island State Inpatient Databases, 2012, Healthcare Utilization Project, Agency for Healthcare Research and Quality.

Child Passenger Injuries, Age 0-14 Rhode Island

Table 4a: Child Passenger Deaths and Hospitalizations

| | Deaths ¹ (2009-2013) | Deaths ¹ per 100,000 | Hospital Admissions ² (2012) | Hospital Admissions ² per 100,000 | Total Hospital Days | Median Hospital Days |
|----------------|------------------------------------|------------------------------------|---|--|------------------------|-------------------------|
| Age 0-4 | * | * | * | * | 8 | 3 |
| Age 5-9 | * | * | * | * | 8 | 4 |
| Age 10-14 | * | * | * | * | 7 | 2 |
| Total Age 0-14 | * | * | * | * | 23 | 3 |

Table 4b: Restraint Use of Children Killed In Crashes¹

| | |
|---------------------------|------|
| Not restrained, Age 0-4 | 0.0% |
| Not restrained, Age 5-9 | 0.0% |
| Not restrained, Age 10-14 | 0.0% |
| Not restrained, Age 0-14 | 0.0% |

Table 4c: Who Is Driving When a Child Passenger Is Killed¹

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

Data Sources: Population counts from the U.S. Bureau of the Census. ¹ Fatal Analysis Reporting System, 2009-2013, National Highway Traffic Safety Administration. ² 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 Rhode Island

Table 5a: Teenage Motor Vehicle Occupant Deaths and Hospitalizations

| | Deaths ¹ (2009-2013) | Deaths ¹ per 100,000 | Hospital Admissions ² (2012) | Hospital Admissions ² per 100,000 | Total Hospital Days | Median Hospital Days |
|-----------------|------------------------------------|------------------------------------|---|--|------------------------|----------------------------|
| Total Occupants | * | * | * | * | 80 | 2 |
| Vehicle | 26 | 0.43 | 20 | 26.22 | 68 | 2 |
| Motorcycle | * | * | * | * | 12 | 2 |

Table 5b: Restraint and Helmet Use of Teen Occupants Killed in Crashes¹

| | |
|---|-------|
| Vehicle occupants not restrained | 64.3% |
| Motorcycle riders not wearing a helmet, or wearing non-DOT-compliant helmet | 7.1% |

Table 5c: Alcohol Involvement in Crashes Where a Teen Occupant is Killed¹

| | |
|---|-------|
| Any driver reported by police as alcohol-involved | 50.0% |
| Teen driver of teen killed reported by police as alcohol-involved | 25.0% |

Table 5d: Driver Cell Phone Use in Crashes Where a Teen Occupant is Killed¹

| | |
|--|-------|
| Drivers reported using a cellphone (2010-2013) | 10.5% |
|--|-------|

Data Sources: Population counts from the U.S. Bureau of the Census. ¹ Fatal Analysis Reporting System, 2009-2013, National Highway Traffic Safety Administration. ² 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 Rhode Island

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

| | Deaths ¹ (2009-2013) | Deaths ¹ per 100,000 | Hospital Admissions ² (2012) | Hospital Admissions ² per 100,000 | Total Hospital Days | Median Hospital Days |
|------------|------------------------------------|------------------------------------|---|--|------------------------|-------------------------|
| Total | 25 | 3.54 | 164 | 118.63 | 1182 | |
| Cut/Pierce | * | * | 38 | 27.49 | 242 | 5.5 |
| Poisoning | * | * | 80 | 57.87 | 230 | 2 |
| Firearm | * | * | * | * | 4 | 2 |

Data Sources: Population counts from the U.S. Bureau of the Census. ¹ Multiple Cause of Death File, 2009-2013, National Center for Health Statistics. ² 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 Rhode Island

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

| | Deaths ¹ (2009-2013) | Deaths ¹ per 100,000 | Hospital Admissions ² (2012) | Hospital Admissions ² per 100,000 | Total Hospital Days | Median Hospital Days |
|-----------------------------|------------------------------------|------------------------------------|---|--|---------------------------|----------------------------|
| Age 0-9 | * | * | * | * | 9 | 2.5 |
| Age 10-19 | 18 | 1.40 | 29 | 20.98 | 162 | 4 |
| 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. ¹ Multiple Cause of Death File, 2009-2013, National Center for Health Statistics. ² 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 Rhode Island

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 ¹ (2009-2013) | Deaths ¹ per 100,000 | Hospital Admissions ² (2012) | Hospital Admissions ² per 100,000 | Total Hospital Days | Median Hospital Days |
|-------------------|------------------------------------|------------------------------------|---|--|------------------------|-------------------------|
| Age 0-9, Total | * | * | 56 | 48.73 | 221 | 1 |
| Sports/Recreation | | | * | * | 20 | 2 |
| Furniture/Stairs | | | 16 | 13.92 | 25 | 1 |
| Age 10-19, Total | * | * | 63 | 45.57 | 264 | 2 |
| Sports/Recreation | | | 15 | 10.85 | 33 | 2 |
| Furniture/Stairs | | | * | * | 31 | 3.5 |

Data Sources: Population counts from the U.S. Bureau of the Census. ¹ Multiple Cause of Death File, 2009-2013, National Center for Health Statistics. ² 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 Rhode Island

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

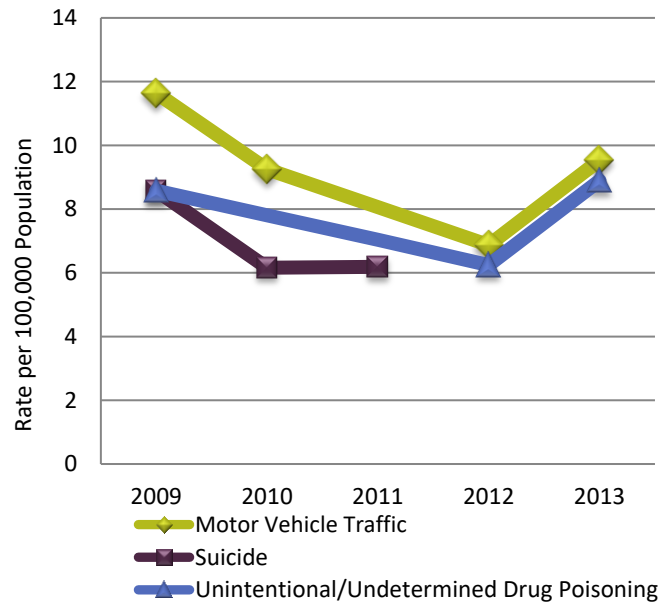
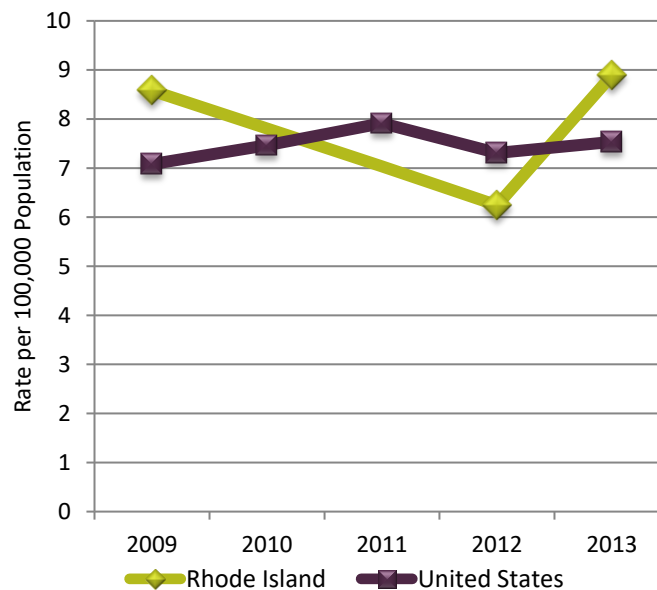


Figure 3: Fatal Unintentional and Undetermined Drug Poisoning Rate Among Youths Aged 15 through 24, Rhode Island and U.S., 2009-2013



Drug Poisoning Among Youths Ages 15-24 Rhode Island

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

