State Injury Profile for Maryland

About the State Injury Profiles...

Following this introduction you will find the injury profile for your state and the nation. The maps and tables contain information on injury deaths and death rates; however, it is important to remember that hundreds of thousands of Americans are nonfatally injured each year, many of whom suffer permanent disabilities. Your state injury profile includes:

- The 10 leading causes of death by age group for your state and the nation. These charts contain the total number of deaths for the three-year period 1995 through 1997. The summary table at the bottom of each page shows the total number of injuries across all ages for the same three-year period and the average number of deaths per year.
- The tables on the next page show the number of deaths for your state and the nation for the leading causes of injury death (separated by the type of injury— unintentional, suicide, and homicide) for the same three-year period.
- The next pages contain U.S. maps indicating the death rate per 100,000 persons for all states over a three-year period (1995-1997) for the leading causes of injury death. Beneath each map is a graph showing the death rate over a 10-year period (1988-1997). These maps and graphs will allow you to compare death rates for your state to other states and understand the 10-year trend in your state compared to the U.S. trend.
- The last two maps in the Profile give death-rate data and 10-year trends for two of the most frequent and disabling types of injury-related deaths: traumatic brain injury-related deaths, which can be caused by falls, firearms, motor-vehicle crashes, or other causes; and firearm-related deaths, unintentional or the result of homicide or suicide.

This State Injury Profile 2000 is presented as an appendix to the Centers for Disease Control and Prevention (CDC) Injury Fact Book, *Working to Prevent and Control Injury in the United States*.The Fact Book contains information regarding the cost of injury and the value of prevention, the work of CDC's National Center for Injury Prevention and Control, and the Safe USA Partnership Council. The Fact Book also contains fact sheets for many of the leading causes of injury death. Additional information can also be obtained from—

- The CDC National Center for Injury Prevention and Control web site: http://www.cdc.gov/ncipc/
- The CDC National Center for Injury Prevention and Control, Office of Planning, Evaluation, and Legislation: 770-488-4936
- Safe USA web site: http://www.cdc.gov/safe/
- Safe USA toll-free number: 1-888-252-7751

United States
10 Leading Causes of Deaths by Age Group: 1995-1997

	Age Groups										
Rank	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	Total
1	Congenital Anomalies 19,113	**Unintentional Injuries 6,432**	**Unintentional Injuries 4,734**	**Unintentional Injuries 5,614**	**Unintentional Injuries 41,018**	**Unintentional Injuries 38,858**	Malignant Neoplasms 51,258	Malignant Neoplasms 134,242	Malignant Neoplasms 261,040	Heart Disease 1,834,538	Heart Disease 2,197,898
2	Short Gestation 11,760	Congenital Anomalies 1,922	Malignant Neoplasms 1,593	Malignant Neoplasms 1,491	**Homicide 19,978**	HIV 23,935	**Unintentional Injuries 43,023**	Heart Disease 104,809	Heart Disease 201,533	Malignant Neoplasms 1,147,043	Malignant Neoplasms 1,617,565
3	SIDS 9,438	Malignant Neoplasms 1,350	Congenital Anomalies 706	**Homicide 1,023**	**Suicide 13,328**	**Suicide 17,825**	Heart Disease 40,047	**Unintentional Injuries 29,523**	Bronchitis Emphysema Asthma 30,143	Cerebro-vascular 419,616	Cerebro-vascular 477,724
4	Respiratory Distress Synd. 4,117	**Homicide 1,247**	**Homicide 510**	**Suicide 931**	Malignant Neoplasms 4,919	**Homicide 16,665**	HIV 39,570	HIV 17,951	Cerebro-vascular 29,087	Bronchitis Emphysema Asthma 274,359	Bronchitis Emphysema Asthma 317,955
5	Maternal Complications 3,802	Heart Disease 680	Heart Disease 387	Congenital Anomalies 647	Heart Disease 3,106	Malignant Neoplasms 14,327	**Suicide 19,938**	Cerebro-vascular 16,960	Diabetes 24,987	Pneumonia & Influenza 226,837	**Unintentional Injuries 283,912**
6	Placenta Cord Membranes 2,871	Pneumonia & Influenza 504	HIV 288	Heart Disease 554	HIV 1,318	Heart Disease 10,097	**Homicide 11,689**	Liver Disease 16,300	**Unintentional Injuries 20,719**	Diabetes 138,117	Pneumonia & Influenza 253,099
7	**Unintentional Injuries 2,356**	HIV 411	Pneumonia & Influenza 221	Bronchitis Emphysema Asthma 294	Congenital Anomalies 1,254	Cerebro-vascular 2,118	Liver Disease 10,853	**Suicide 14,317**	Liver Disease 15,921	**Unintentional Injuries 91,315**	Diabetes 183,657
8	Perinatal Infections 2,321	Septicemia 236	Bronchitis Emphysema Asthma 143	Pneumonia & Influenza 184	Bronchitis Emphysema Asthma 684	Diabetes 1,881	Cerebro-vascular 8,281	Diabetes 12,589	Pneumonia & Influenza 10,830	Alzheimer's Disease 63,461	**Suicide 92,722**
9	Pneumonia & Influenza 1,409	Perinatal Period 222	Benign Neoplasms 132	HIV 180	Pneumonia & Influenza 630	Pneumonia & Influenza 1,724	Diabetes 5,581	Bronchitis Emphysema Asthma 8,395	**Suicide 8,675**	Nephritis 62,838	HIV 90,761
10	Intrauterine Hypoxia 1,355	Benign Neoplasms 189	Anemias 98	Cerebro-vascular 135	Cerebro-vascular 527	Liver Disease 1,690	Pneumonia & Influenza 4,335	Pneumonia & Influenza 6,405	Septicemia 5,350	Septicemia 52,315	Liver Disease 75,444

United States
Total Number of Injury Deaths

Cause	Deaths	Percent
Unintentional Injury	283,912	64.5%
Intentional	156,434	35.5%
Total (1995-1997)	**440,346**	**100.0%**

Average Number of Injury Deaths per Year
In the United States = 146,782

Maryland
10 Leading Causes of Deaths by Age Group: 1995-1997

	Age Groups										
Rank	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	Total
1	Short Gestation 381	**Unintentional Injuries 91**	**Unintentional Injuries 78**	**Unintentional Injuries 73**	**Homicide 666**	HIV 764	HIV 1,356	Malignant Neoplasms 2,799	Malignant Neoplasms 5,234	Heart Disease 28,900	Heart Disease 35,875
2	Congenital Anomalies 284	Malignant Neoplasms 34	Malignant Neoplasms 32	**Homicide 28**	**Unintentional Injuries 530**	**Homicide 552**	Malignant Neoplasms 1,071	Heart Disease 2,060	Heart Disease 3,718	Malignant Neoplasms 20,878	Malignant Neoplasms 30,471
3	SIDS 209	Congenital Anomalies 28	Congenital Anomalies 11	Malignant Neoplasms 25	**Suicide 203**	**Unintentional Injuries 492**	Heart Disease 792	HIV 553	Diabetes 600	Cerebro-vascular 6,708	Cerebro-vascular 7,901
4	Respiratory Distress Synd. 112	HIV 17	HIV 11	Heart Disease 15	Malignant Neoplasms 90	Malignant Neoplasms 302	**Unintentional Injuries 515**	**Unintentional Injuries 432**	Cerebro-vascular 552	Bronchitis Emphysema Asthma 4,428	Bronchitis Emphysema Asthma 5,172
5	Maternal Complications 105	**Homicide 16**	Heart Disease 9	**Suicide 11**	Heart Disease 67	**Suicide 299**	**Suicide 374**	Cerebro-vascular 357	Bronchitis Emphysema Asthma 467	Pneumonia & Influenza 3,715	Pneumonia & Influenza 4,251
6	Placenta Cord Membranes 81	Heart Disease 13	**Homicide 9**	Congenital Anomalies 9	HIV 32	Heart Disease 240	**Homicide 284**	Liver Disease 297	**Unintentional Injuries 353**	Diabetes 3,114	**Unintentional Injuries 4,185**
7	Perinatal Infections 60	Pneumonia & Influenza 7	Pneumonia & Influenza 5	Bronchitis Emphysema Asthma 6	Congenital Anomalies 24	Cerebro-vascular 51	Liver Disease 206	Diabetes 290	Liver Disease 259	**Unintentional Injuries 1,580**	Diabetes 4,167
8	**Unintentional Injuries 33**	Septicemia 6	Benign Neoplasms 3	Anemias 5	Bronchitis Emphysema Asthma 19	Pneumonia & Influenza 44	Cerebro-vascular 199	**Suicide 242**	Pneumonia & Influenza 192	Septicemia 1,533	HIV 2,938
9	Intestinal Infections 24	Benign Neoplasms 5	Bronchitis Emphysema Asthma 3	Cerebro-vascular 4	Pneumonia & Influenza 15	Diabetes 40	Diabetes 112	Bronchitis Emphysema Asthma 157	Septicemia 159	Nephritis 1,151	Septicemia 1,907
10	Intrauterine Hypoxia 24	Perinatal Period 5	Septicemia 3	HIV 4	Diabetes 9	Liver Disease 37	Pneumonia & Influenza 109	Pneumonia & Influenza 139	HIV 149	Alzheimer's Disease 1,060	**Homicide 1,799**

Maryland
Total Number of Injury Deaths

Cause	Deaths	Percent
Unintentional Injury	4,185	55.7%
Intentional Injury	3,328	44.3%
Total (1995-1997)	**7,513**	**100.0%**

Average Number of Injury Deaths per Year
In Maryland = 2,504

1995-1997 Leading Causes of Death

Unintentional Injury

United States Unintentional Injury

Cause	Deaths	Percent
MV Traffic	127,193	44.8%
Fall	33,633	11.8%
Poisoning	28,745	10.1%
Suffocation	12,987	4.6%
Drowning	12,360	4.4%
Fire/Burn	11,304	4.0%
Other Causes	57,690	20.3%
	283,912	**100.0%**

Maryland Only Unintentional Injury

Cause	Deaths	Percent
MV Traffic	1,945	46.5%
Fall	535	12.8%
Suffocation	237	5.7%
Fire/Burn	180	4.3%
Drowning	145	3.5%
Other Causes	1,143	27.3%
	4,185	**100.1%**

Intentional Injury

United States Suicide

Cause	Deaths	Percent
Firearm	54,235	58.5%
Suffocation	15,960	17.2%
Poisoning	15,355	16.6%
Other Causes	7,172	7.7%
	92,722	**100.0%**

Maryland Only Suicide

Cause	Deaths	Percent
Firearm	805	52.6%
Suffocation	300	19.6%
Poisoning	247	16.2%
Other Causes	177	11.6%
	1,529	**100.0%**

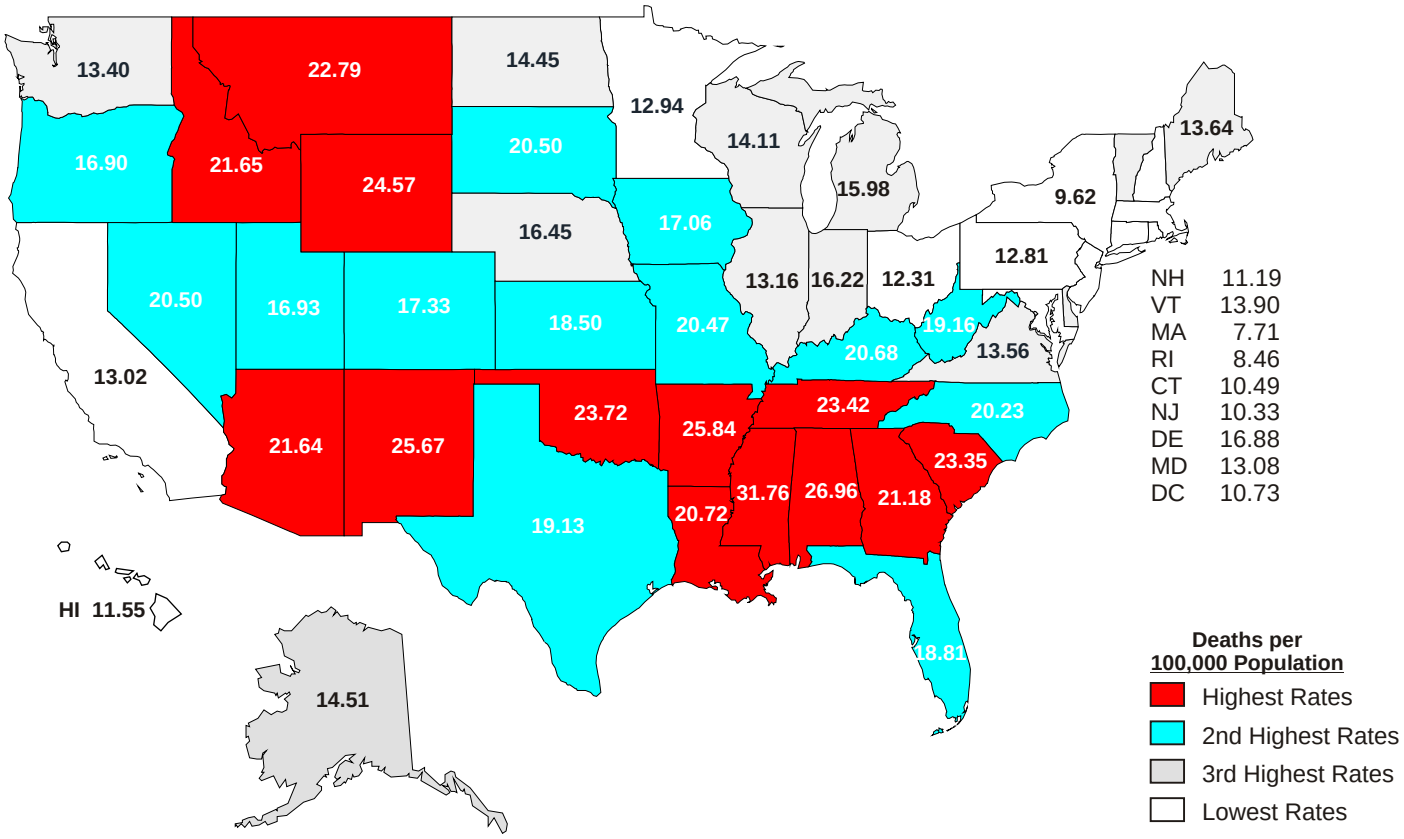
United States Homicide and Legal Intervention

Cause	Deaths	Percent
Firearm	43,684	68.6%
Cut/Pierce	7,647	12.0%
Suffocation	2,327	3.7%
Other Causes	10,054	15.8%
	63,712	**100.0%**

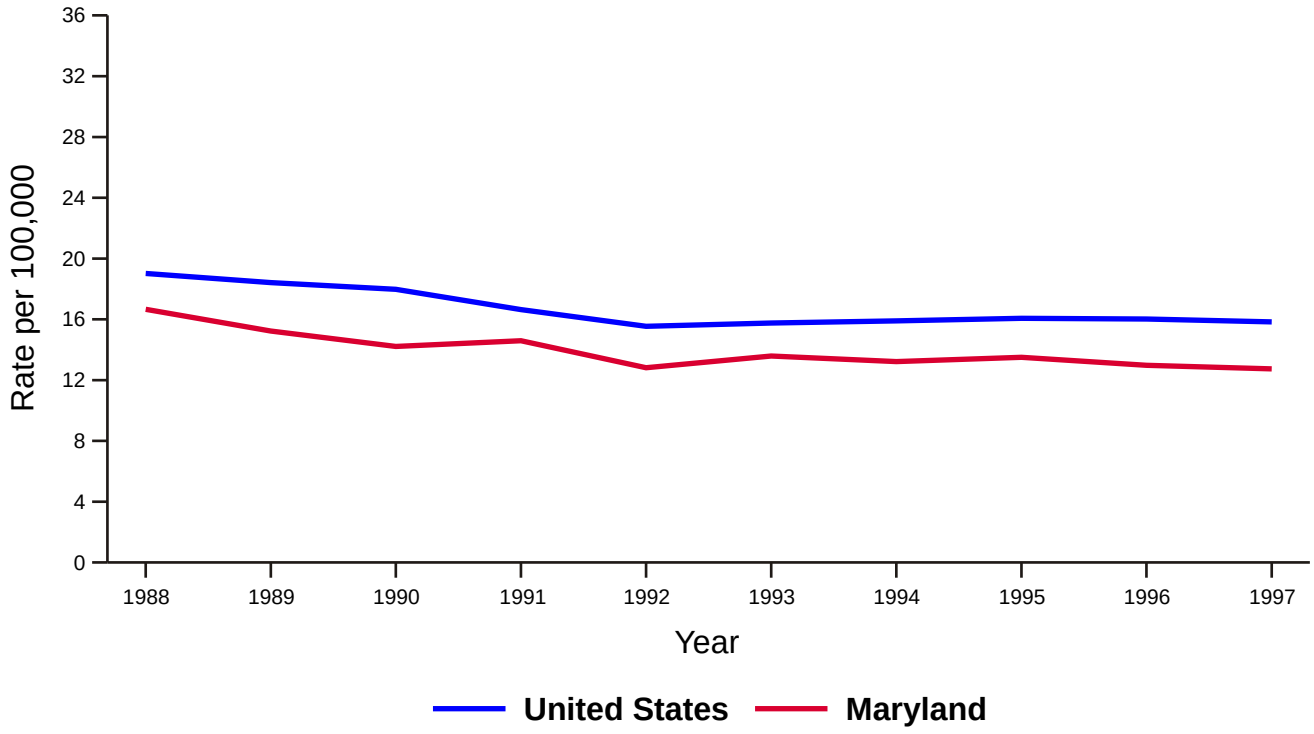
Maryland Only Homicide and Legal Intervention

Cause	Deaths	Percent
Firearm	1,339	74.4%
Cut/Pierce	205	11.4%
Suffocation	51	2.8%
Other Causes	204	11.3%
	1,799	**99.9%**

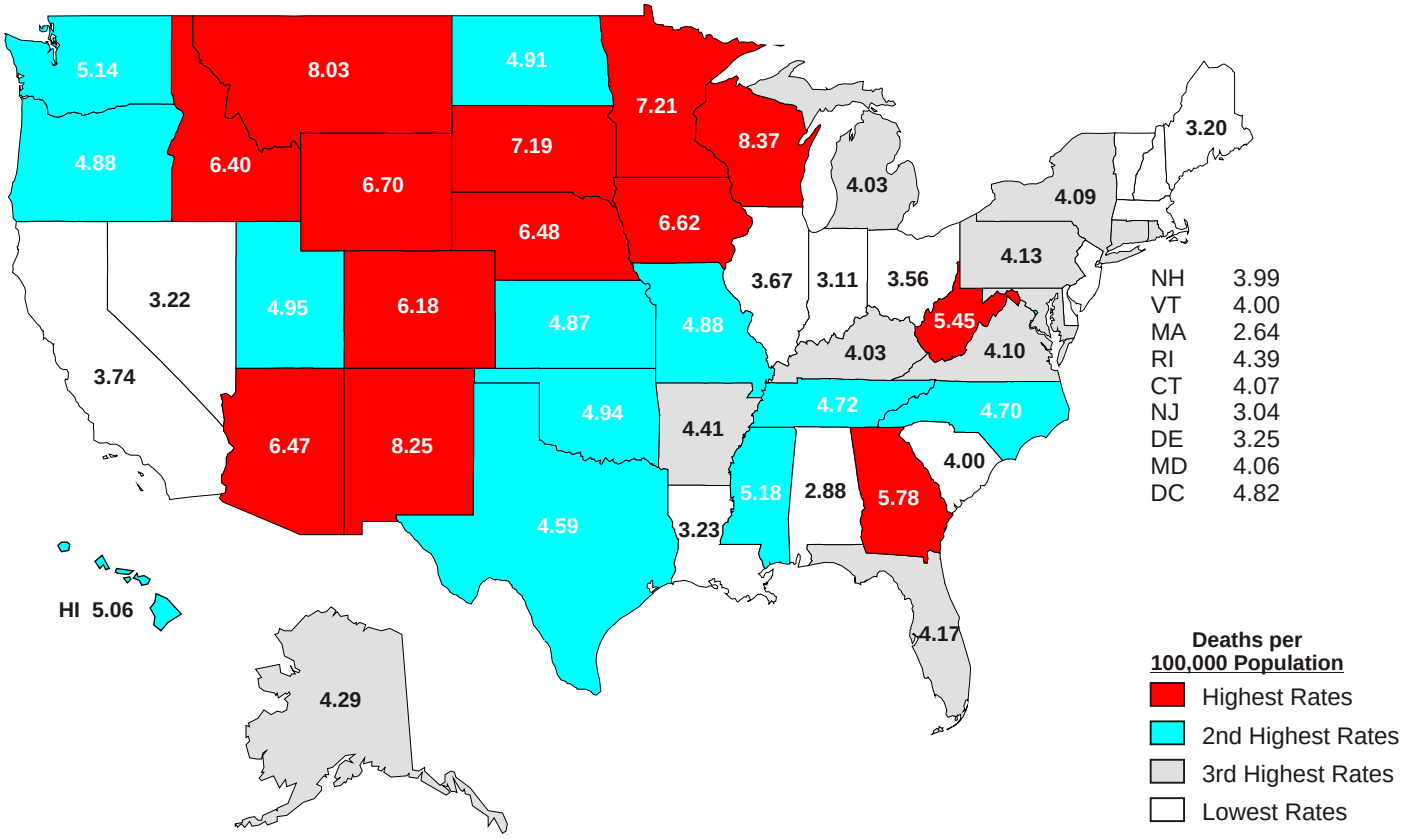
Unintentional Motor Vehicle, Traffic-Related Death Rates
United States, 1995-1997



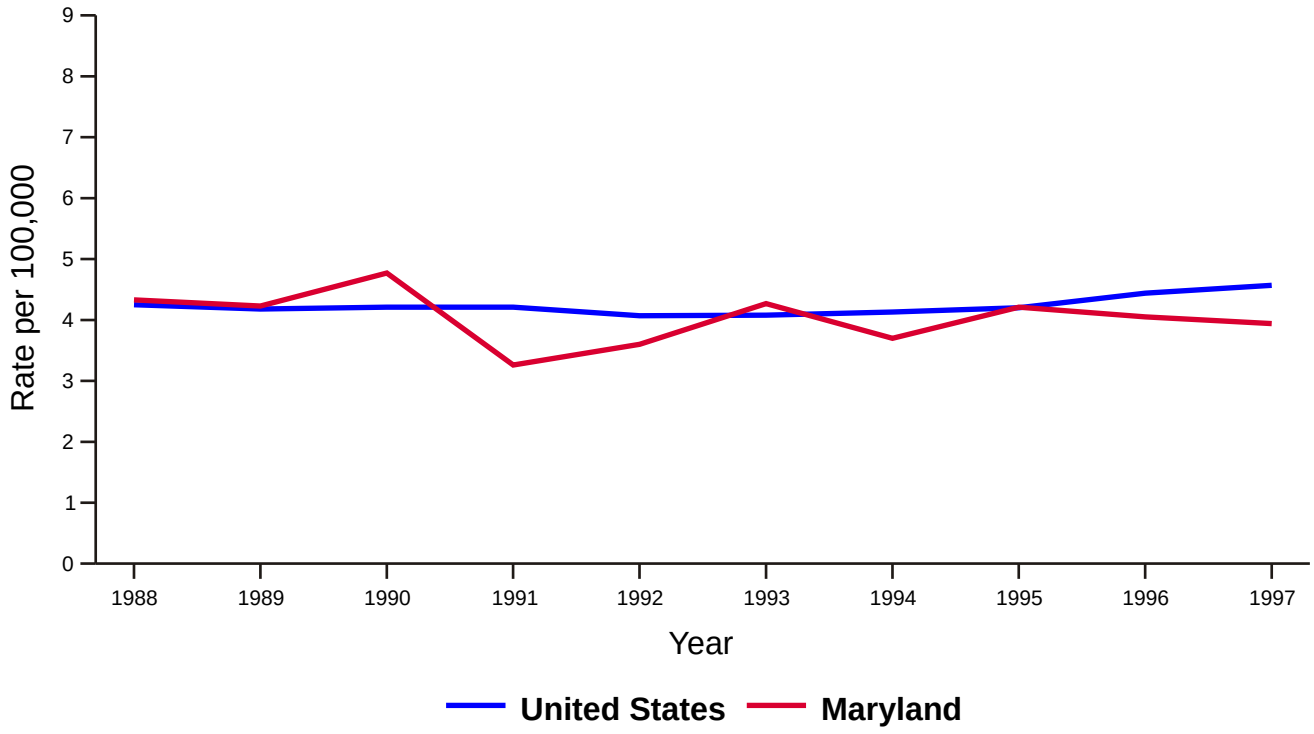
United States and Maryland
1988-1997



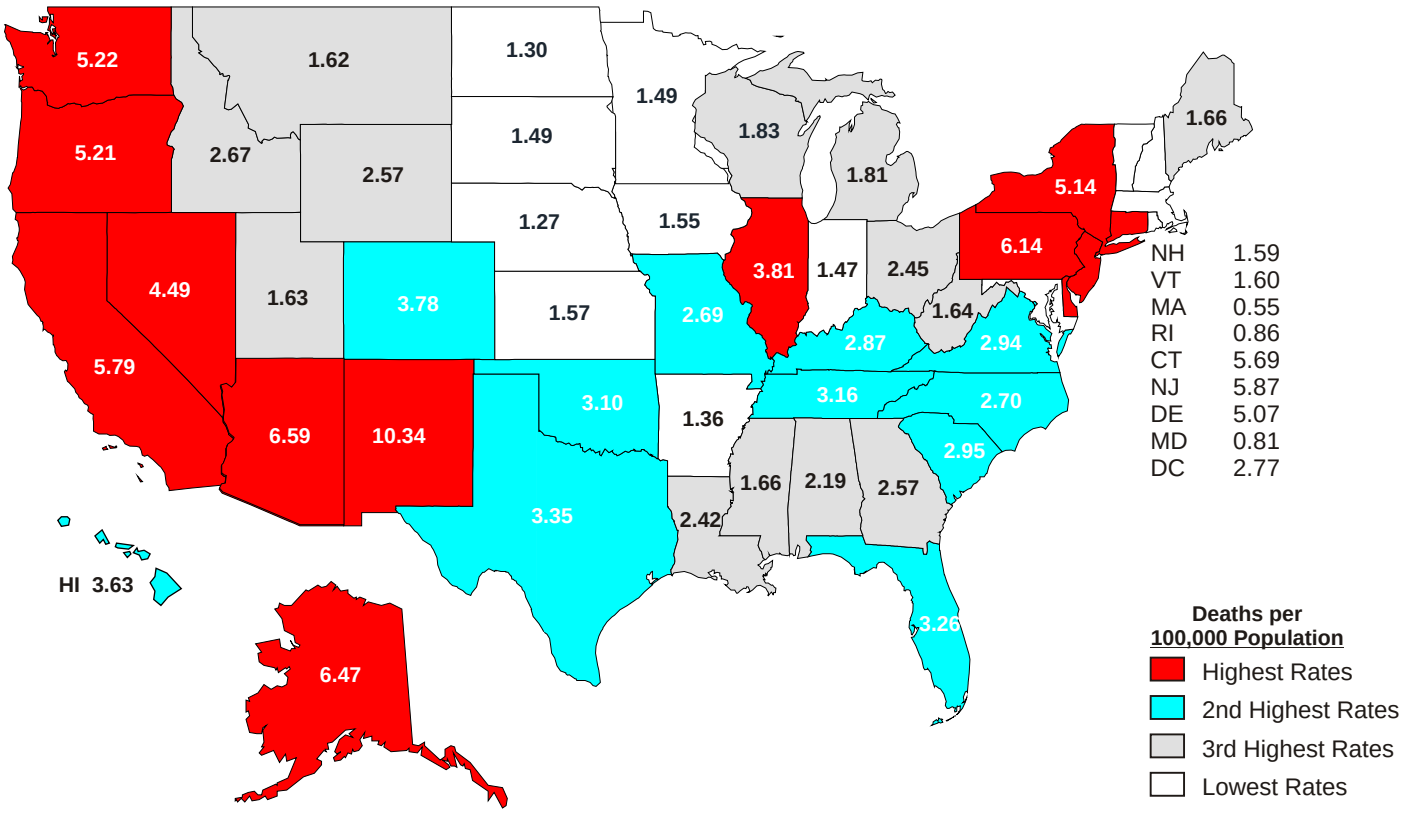
Unintentional Fall Death Rates
United States, 1995-1997



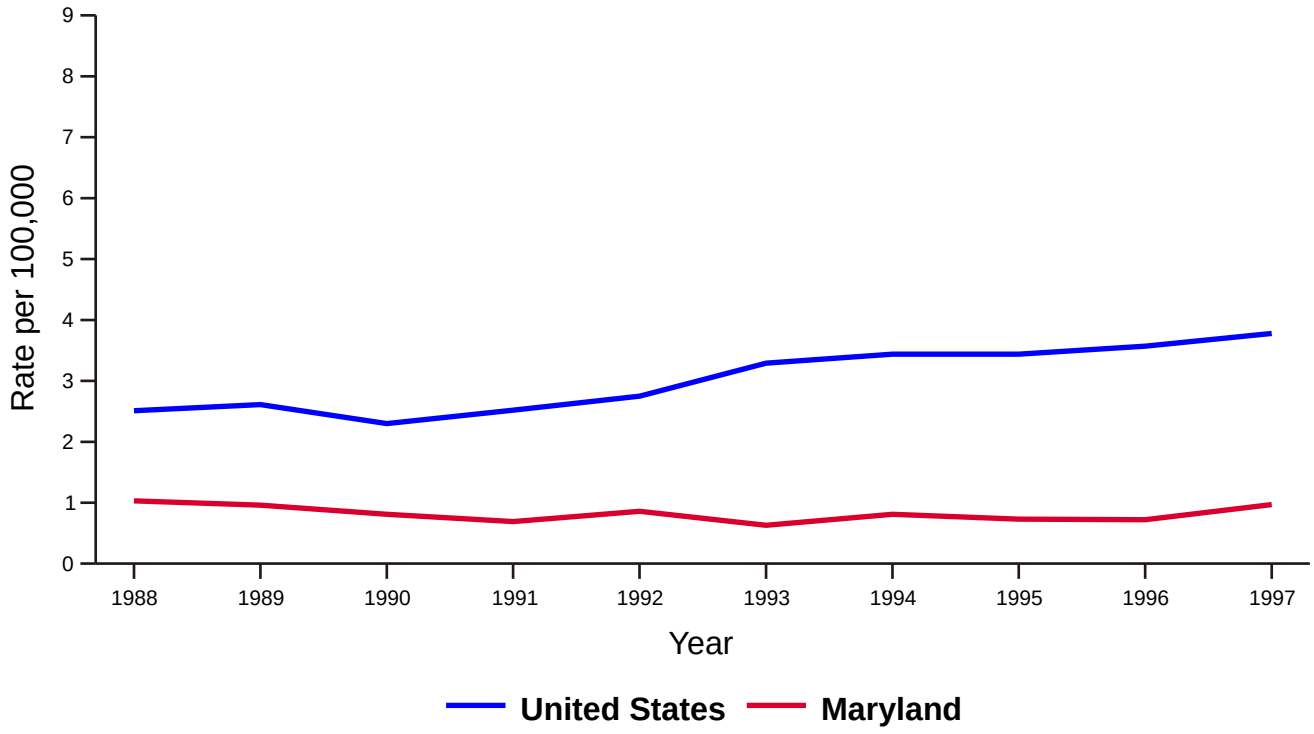
United States and Maryland
1988-1997



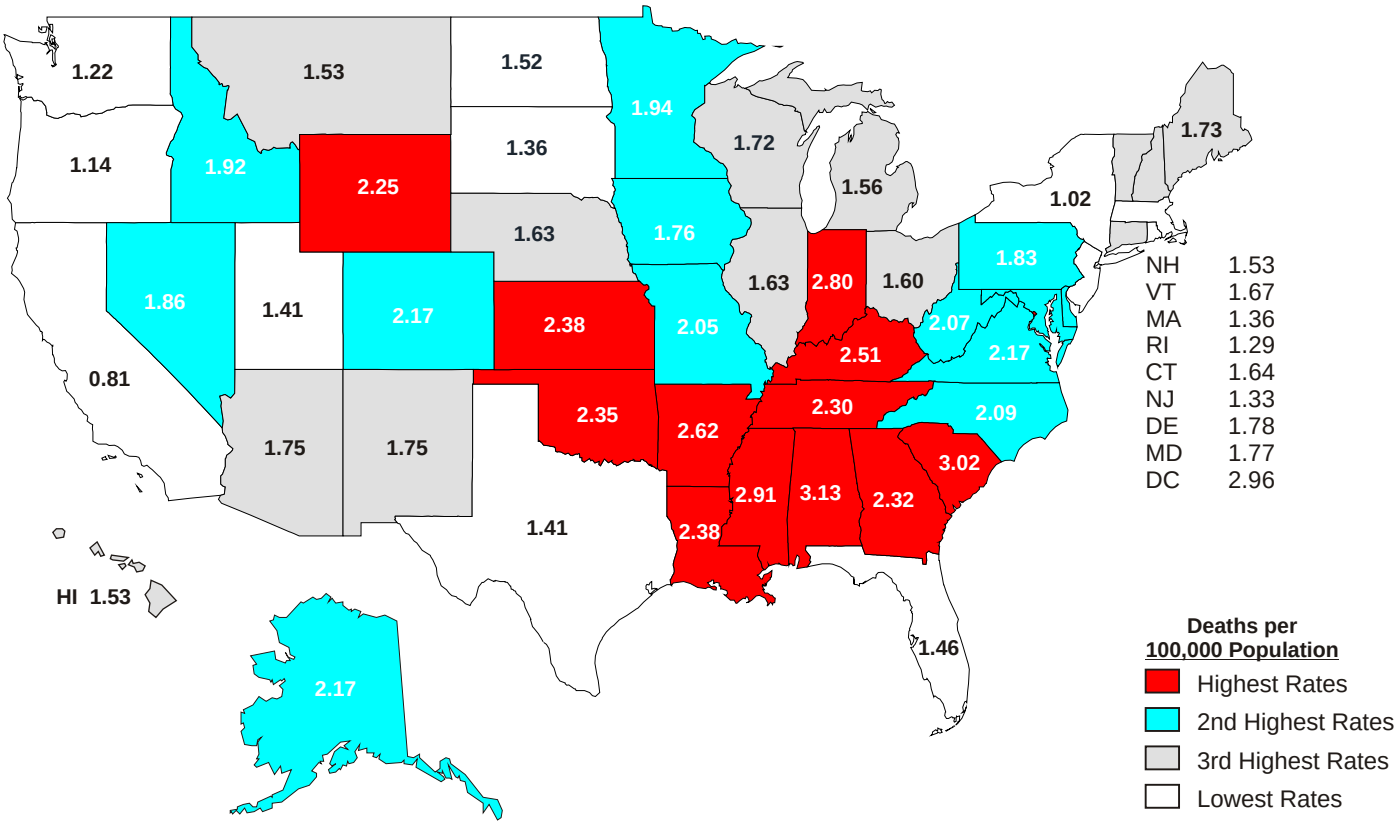
Unintentional Poisoning Death Rates
United States, 1995-1997



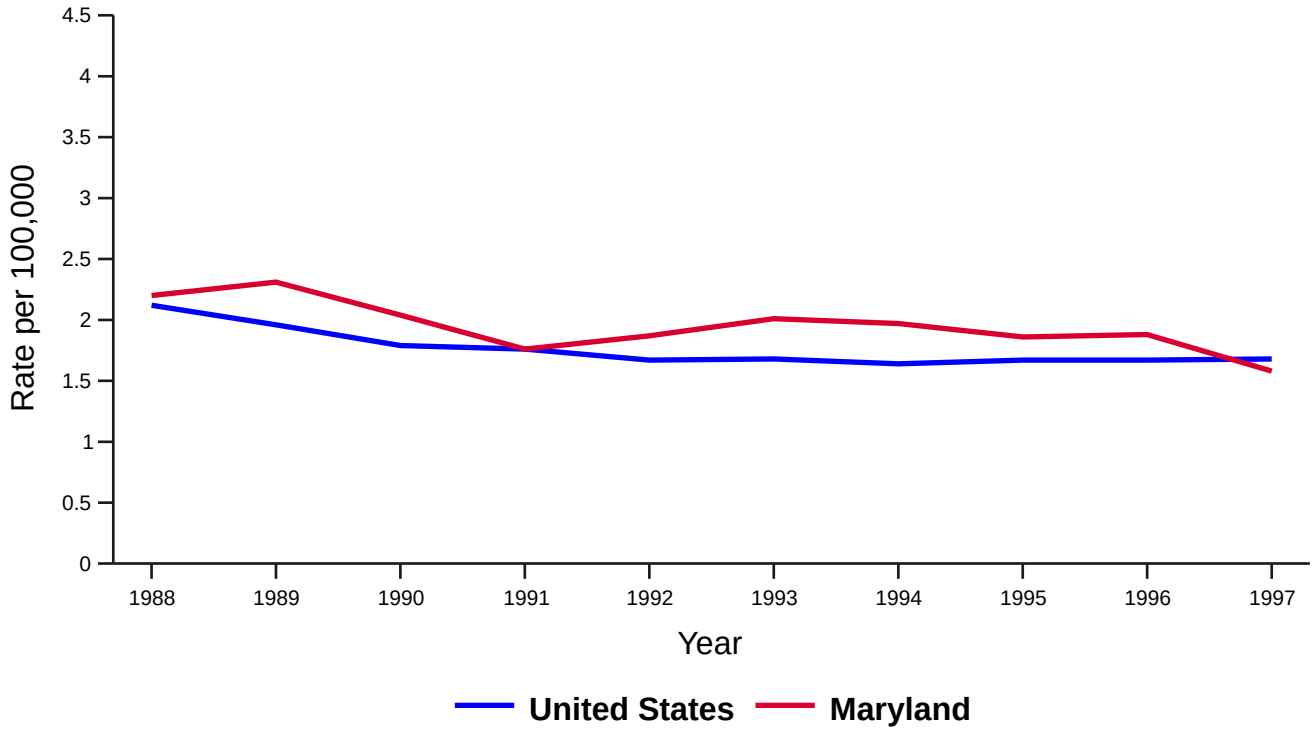
United States and Maryland
1988-1997



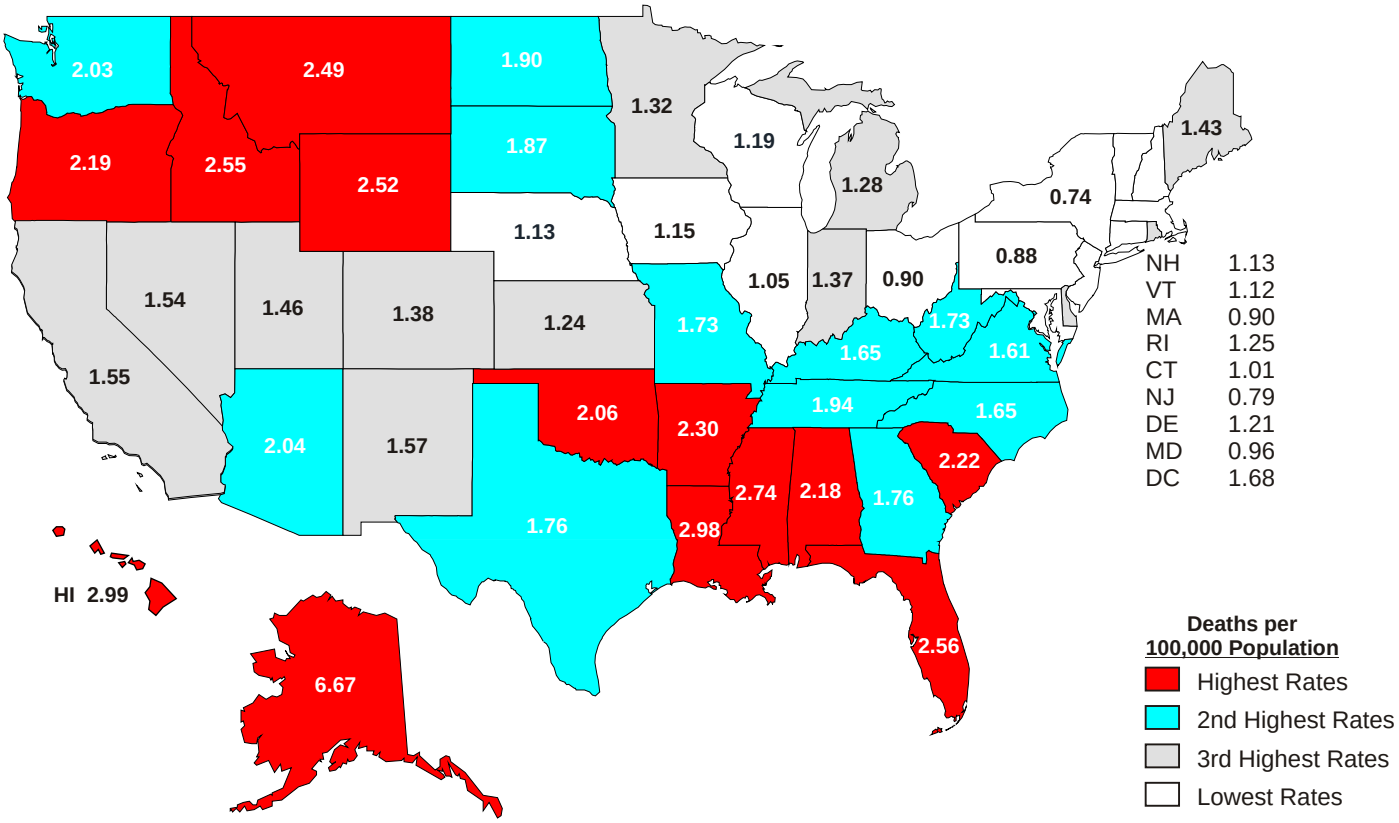
Unintentional Suffocation Death Rates
United States, 1995-1997



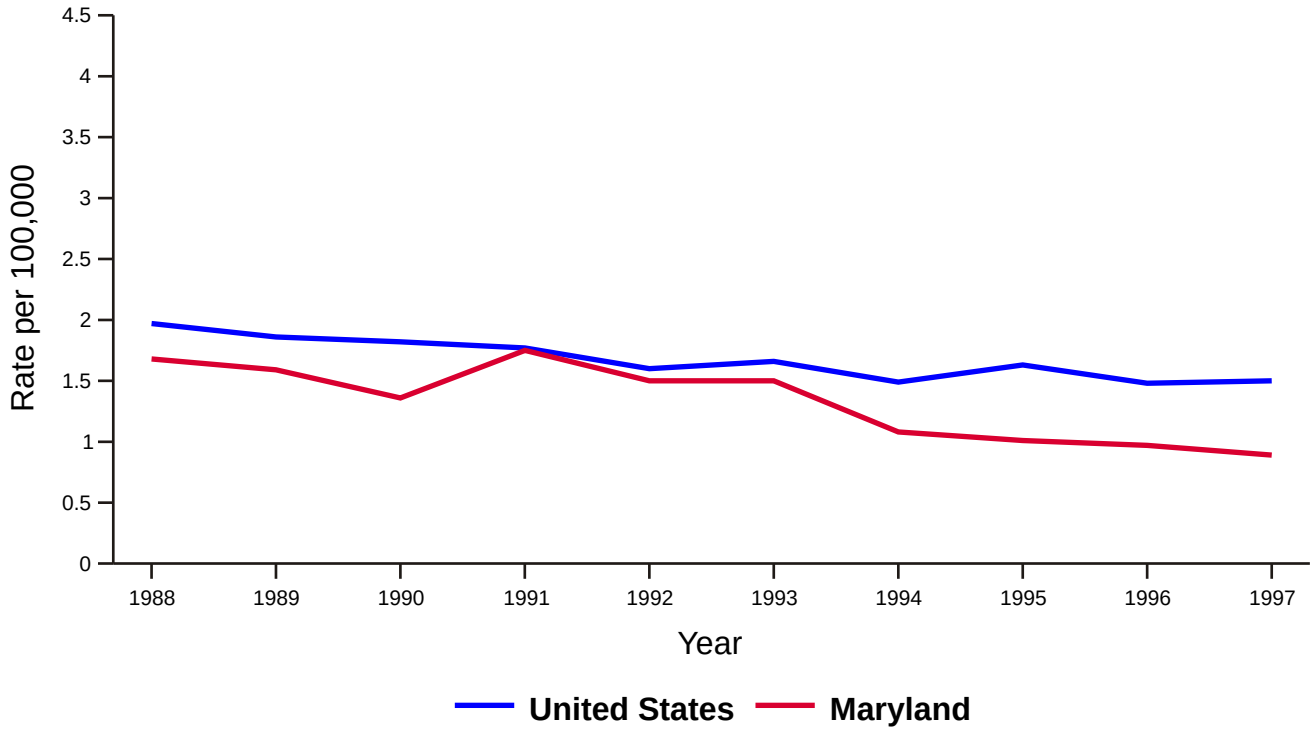
United States and Maryland
1988-1997



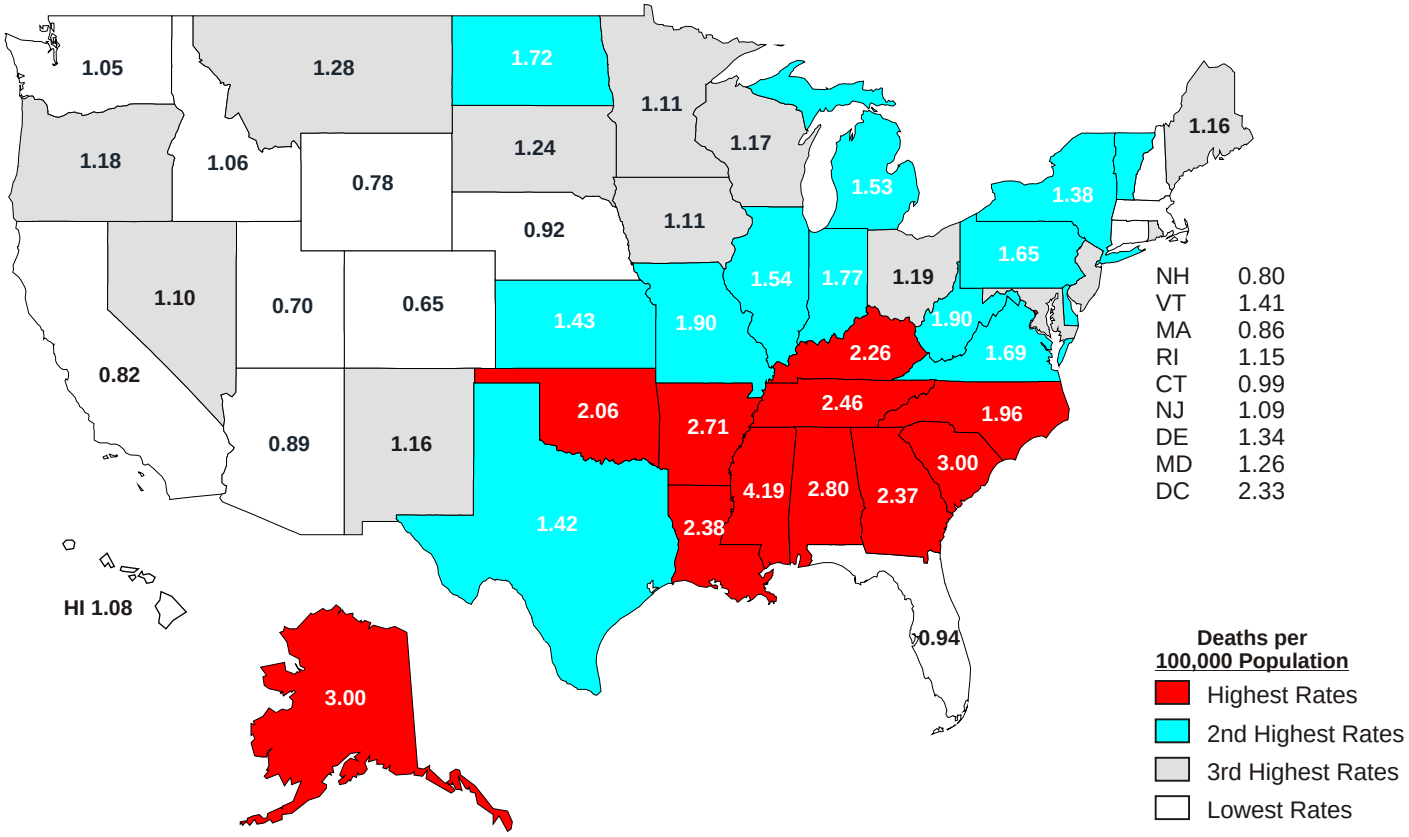
Unintentional Drowning Death Rates
United States, 1995-1997



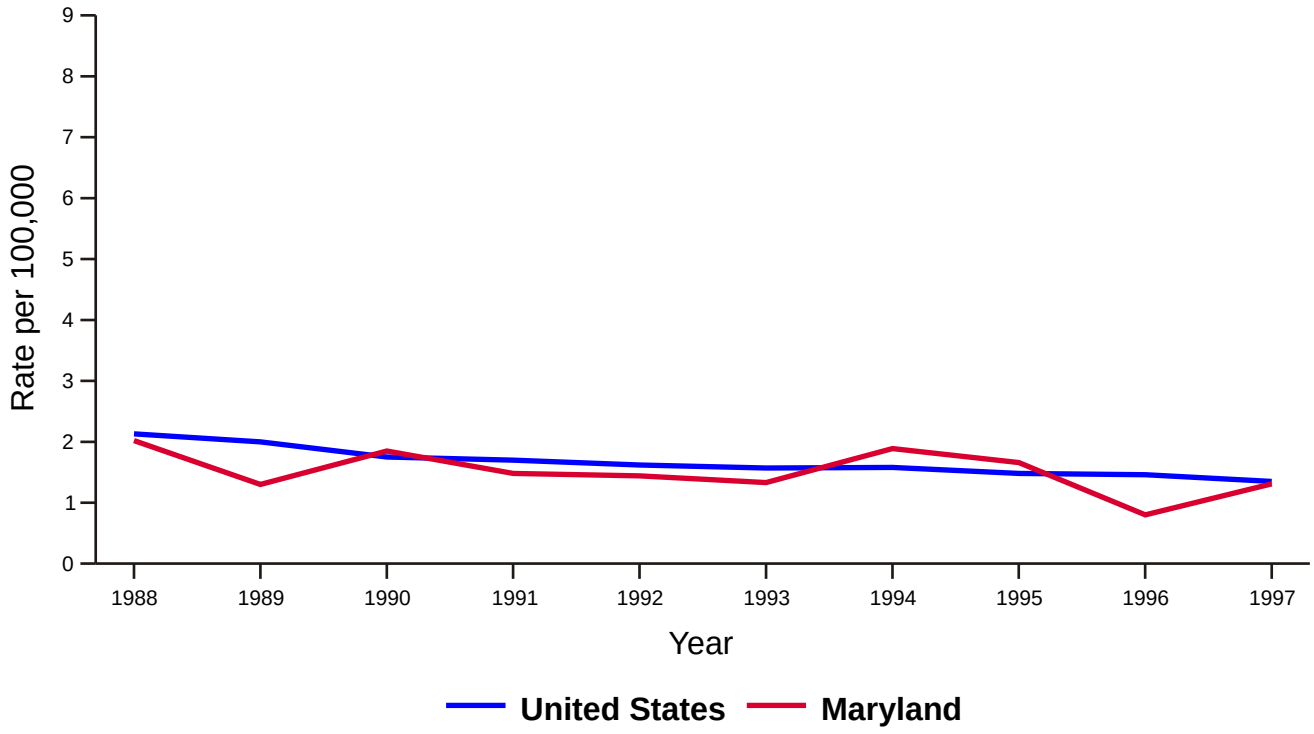
United States and Maryland
1988-1997



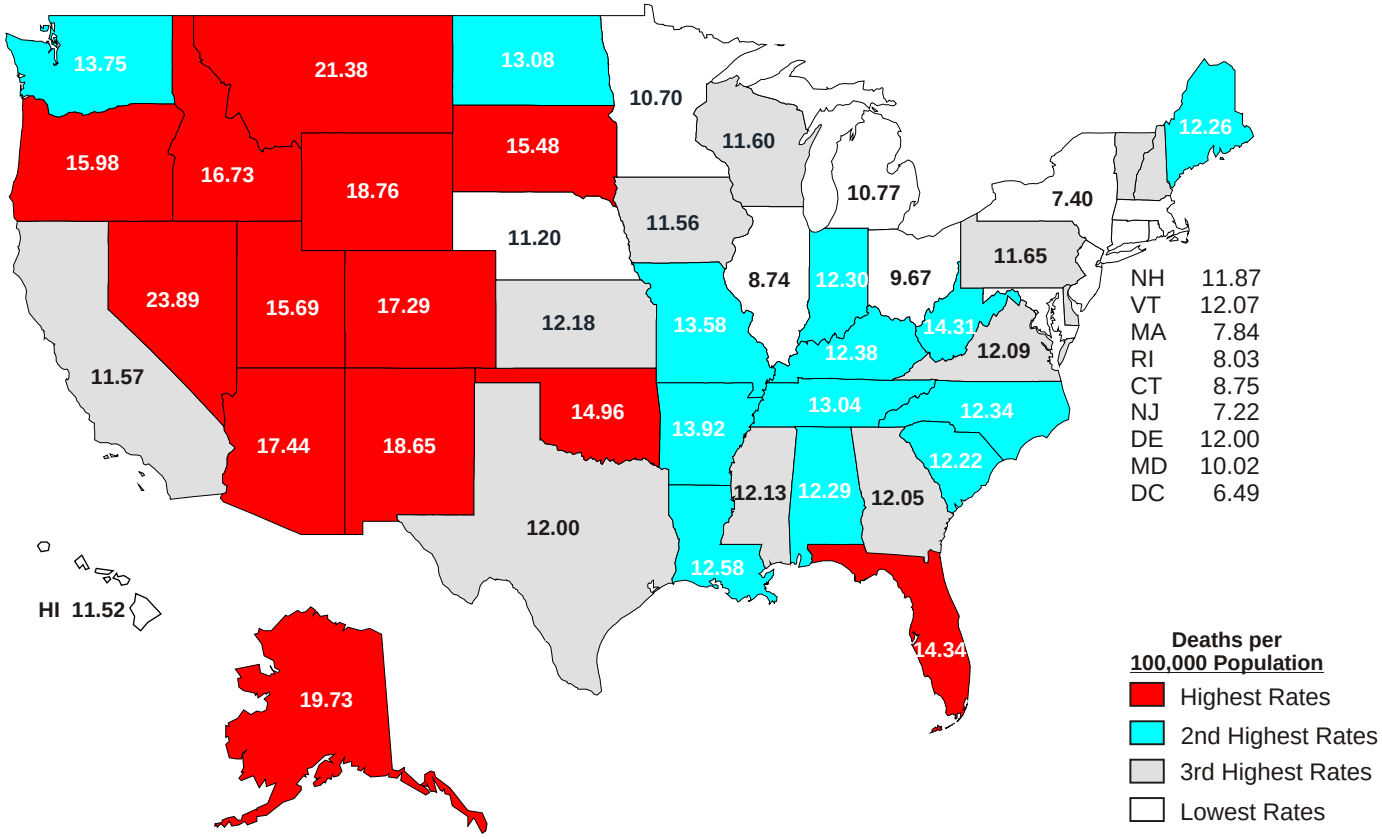
Unintentional Fire and Burn-Related Death Rates
United States, 1995-1997



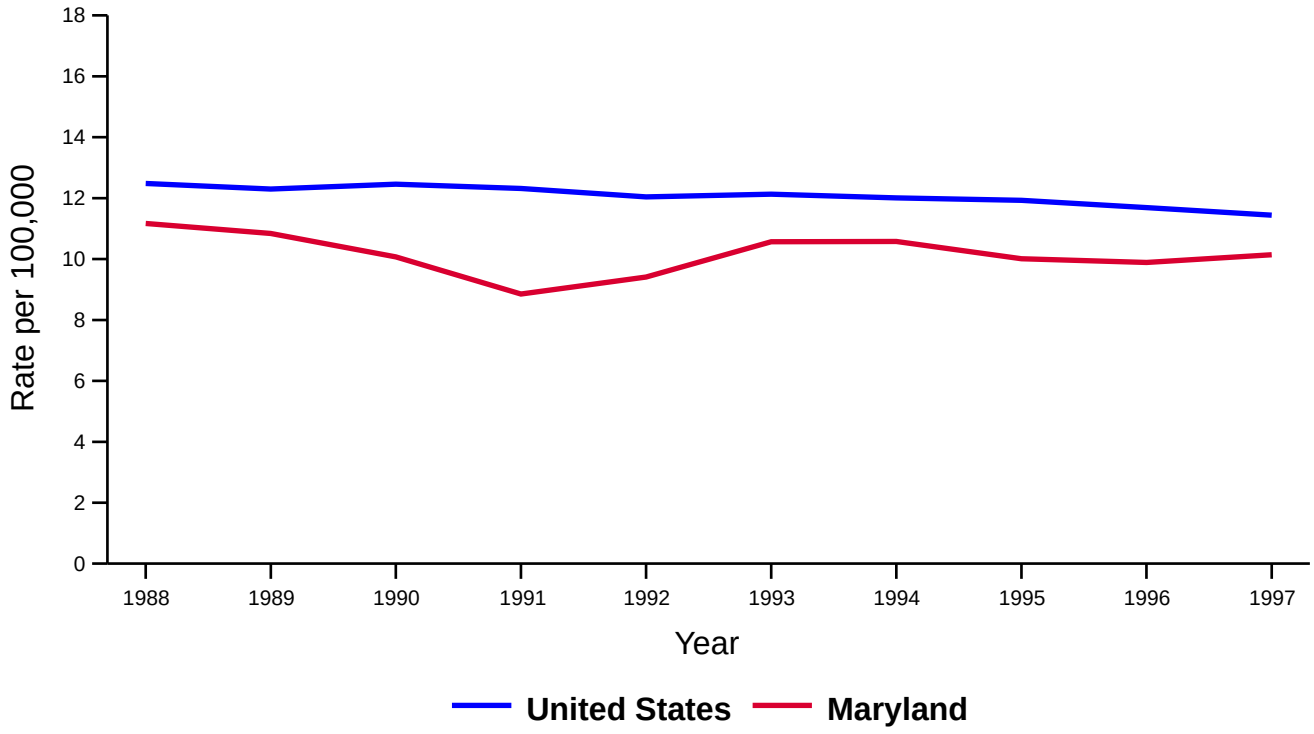
United States and Maryland
1988-1997



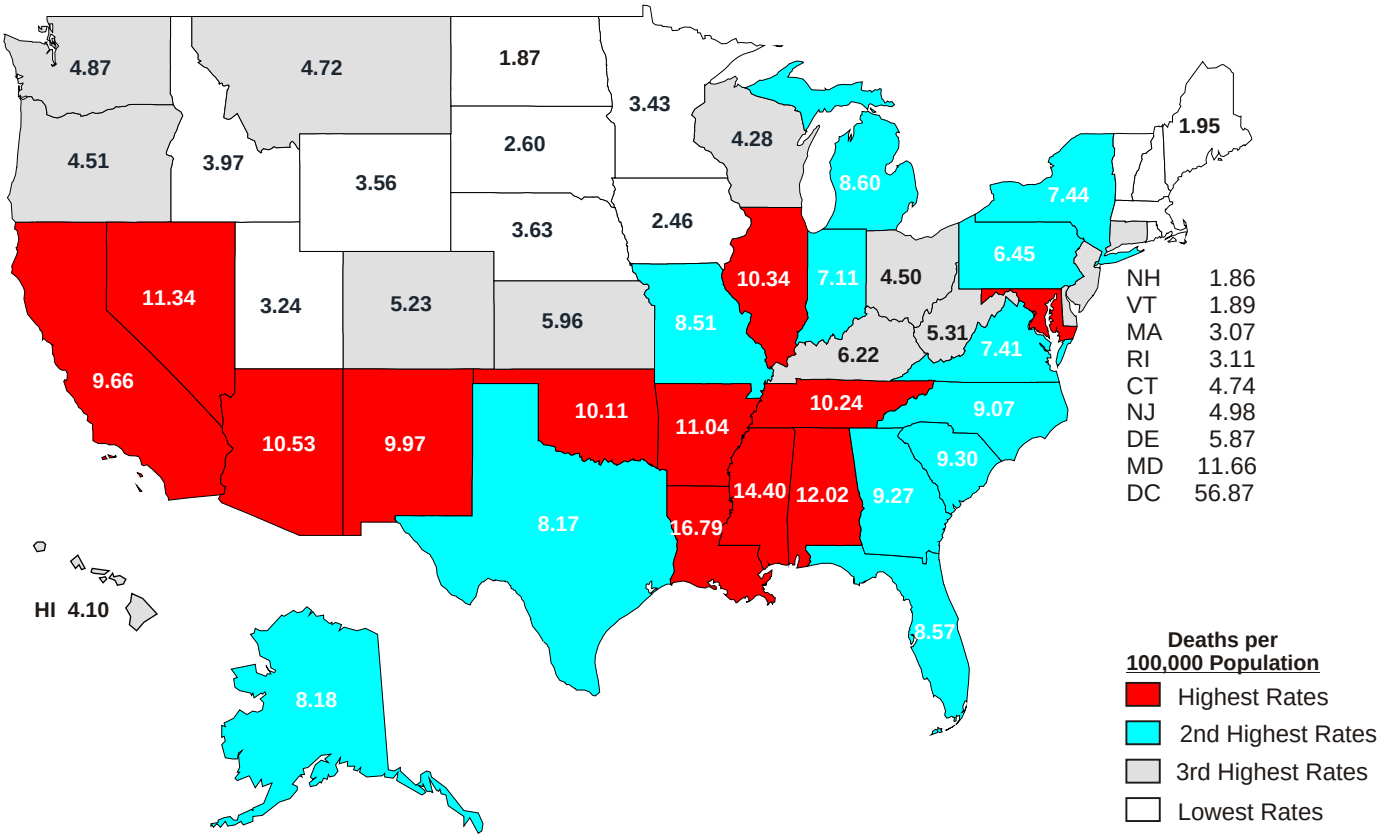
Suicide Death Rates
United States, 1995-1997



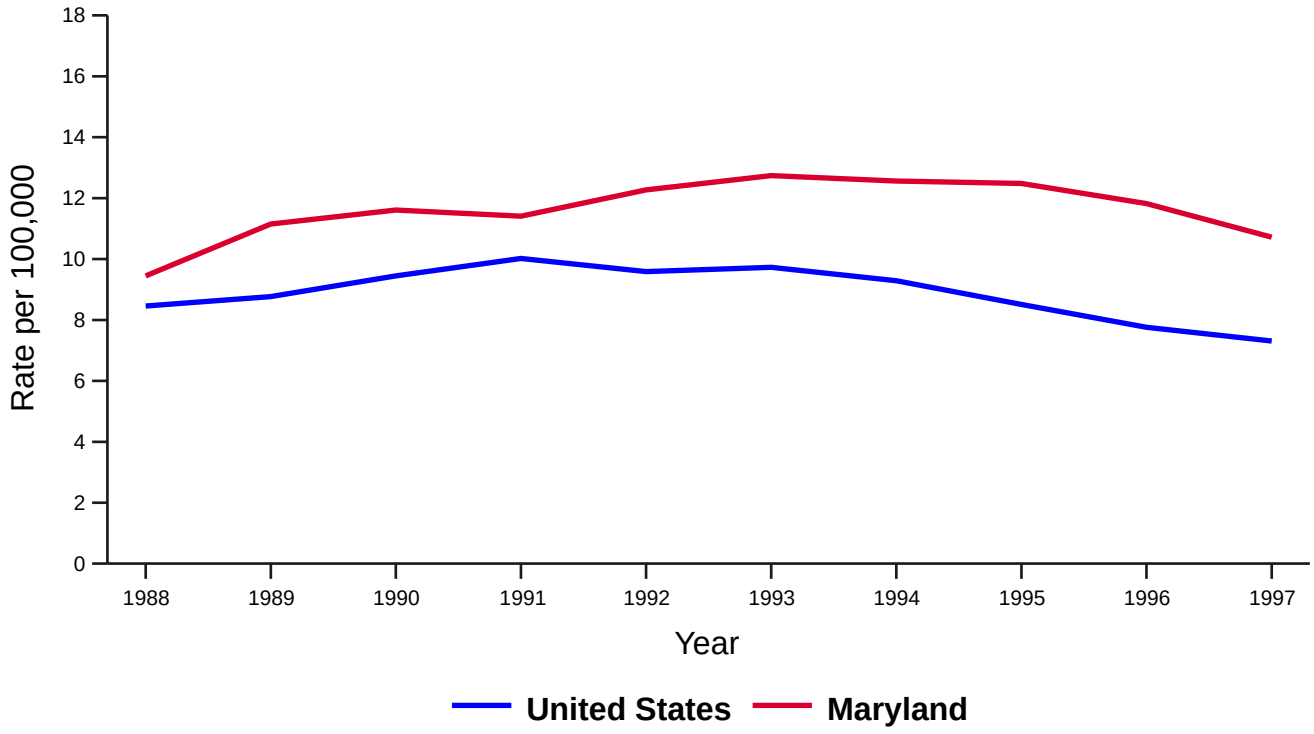
United States and Maryland
1988-1997



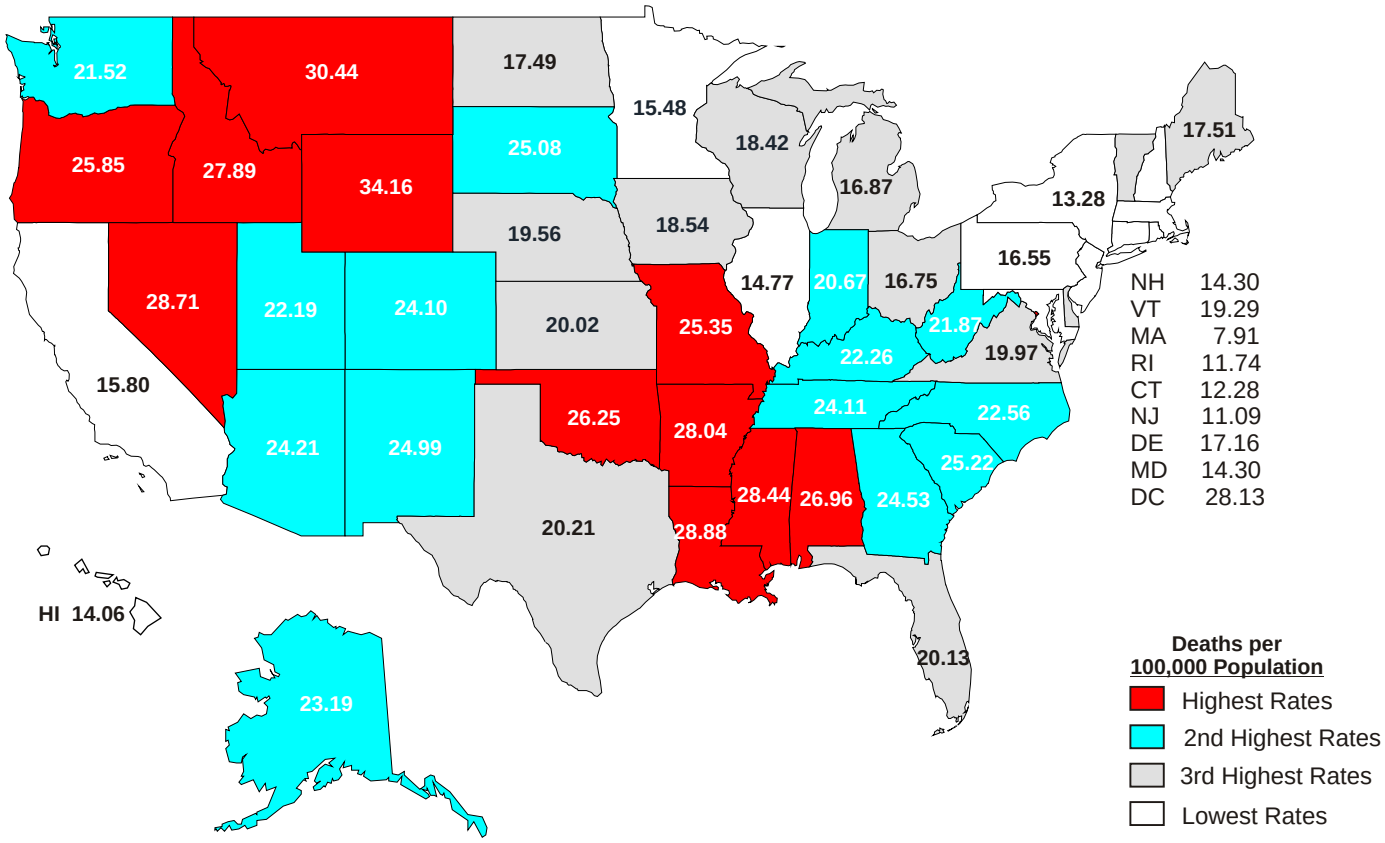
Homicide Death Rates
United States, 1995-1997



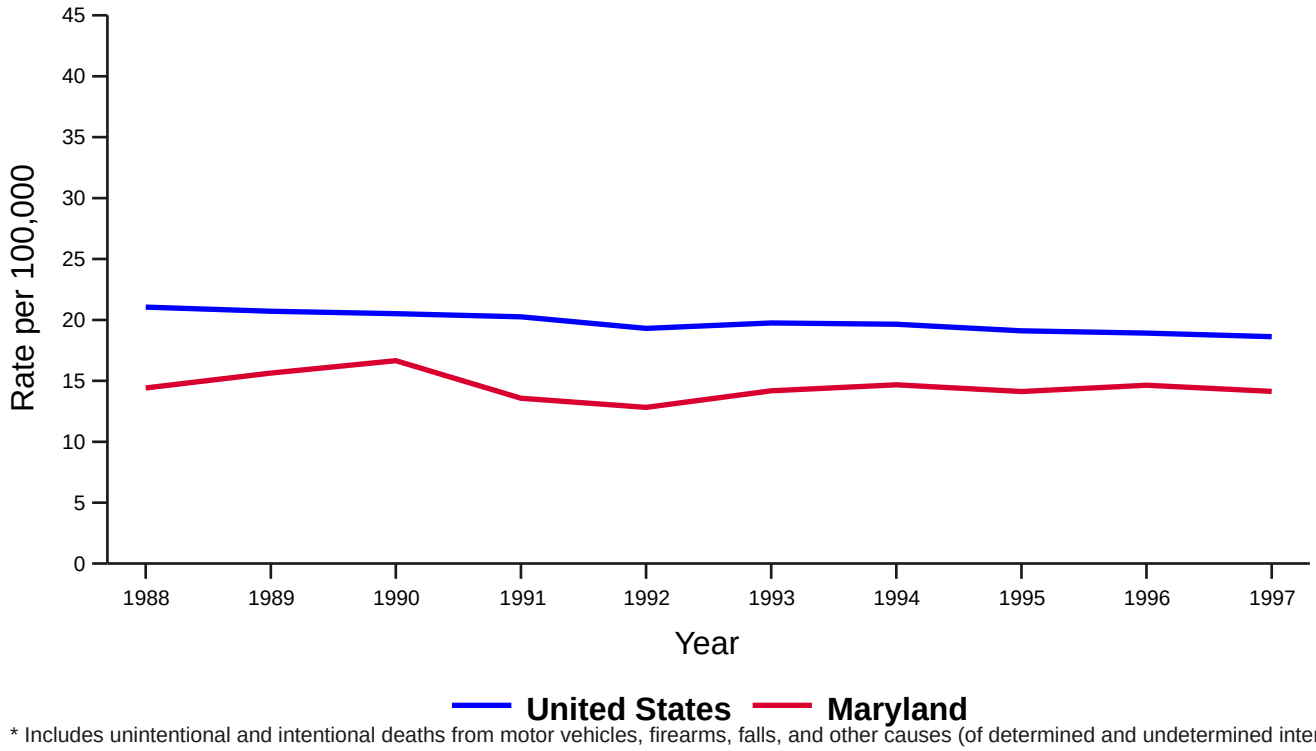
United States and Maryland
1988-1997



Traumatic Brain Injury-Related Death Rates*
United States, 1995-1997

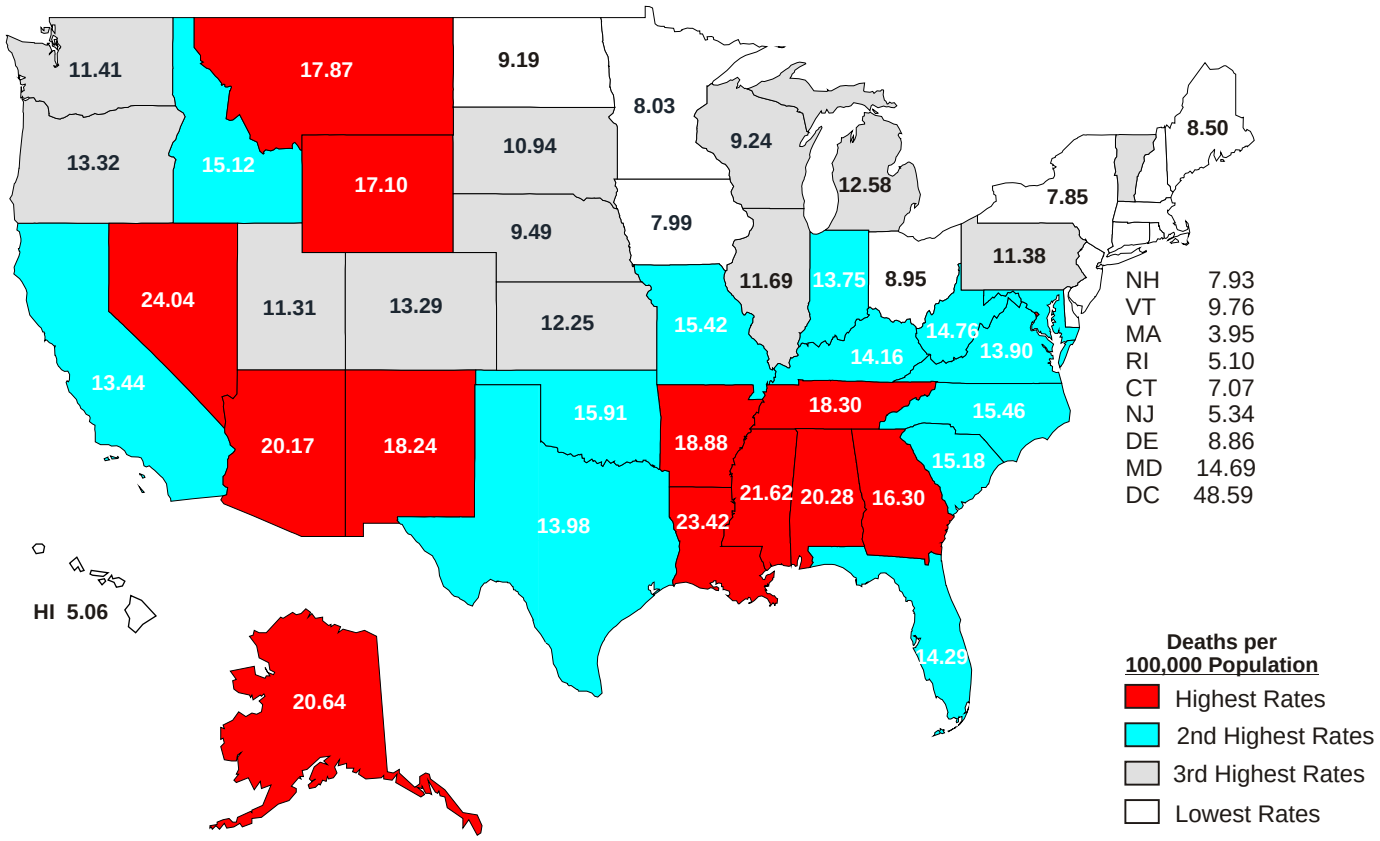


United States and Maryland
1988-1997

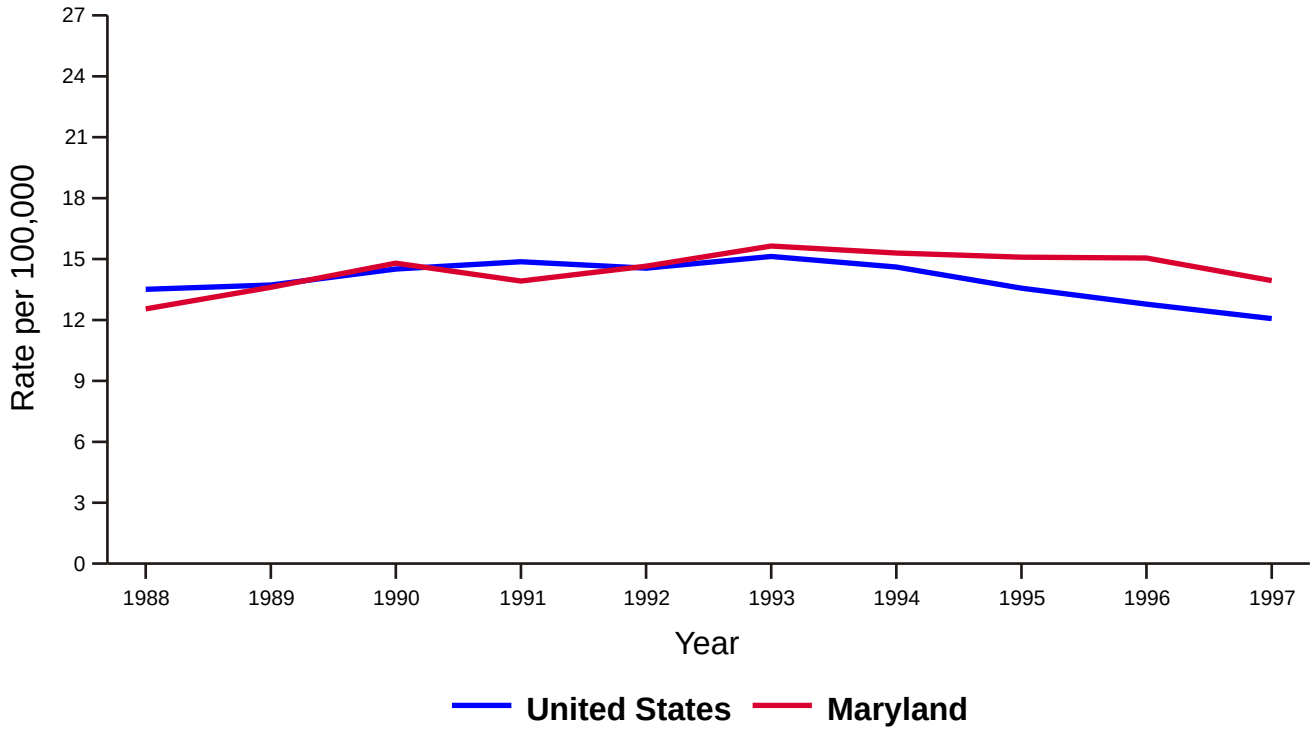


* Includes unintentional and intentional deaths from motor vehicles, firearms, falls, and other causes (of determined and undetermined intent).

Firearm-Related Death Rates*
United States, 1995-1997



United States and Maryland
1988-1997



* Includes deaths from firearm suicide, firearm homicide, unintentional firearm-related deaths, and firearm-related deaths of undetermined intent.

MARYLAND INJURY CONTROL PROJECTS

Cooperative Agreements

The National Center for Injury Prevention and Control (NCIPC) currently funds the following work through two cooperative agreements in Maryland:

- Traumatic Brain Injury Surveillance Program: a program to conduct population-based traumatic brain injury (TBI) surveillance to characterize the risk factors, incidence, external causes, severity, and short-term outcomes of TBI. This information will be used to help design prevention programs that address specific causes of TBI, and populations at higher risk. These data may also be used to improve injured persons' access to health care and other services needed after injury. *(Maryland Department of Health)*

- State Injury Intervention and Surveillance Program (Fire): a program to increase the prevalence of functional smoke alarms in the city of Baltimore, the Baltimore Urban Residential Neighborhood Smoke-detector Project. Door-to-door canvassing will be used to enroll a total of 800 households, at least 400 of which will receive an in-home survey visit, and free smoke alarm installation and fire safety education, and another 400 which will receive an in-home visit, educational and fire safety material (including fire evacuation planning), and vouchers for free smoke alarm acquisition. *(Maryland Department of Health)*

Research Grants

The NCIPC supports one extramural research project in Maryland and one major injury control research center:

- Cost and Effectiveness of Trauma Center Care: a project to compare costs and outcomes of care provided in trauma care (TC) and non-trauma care (NTC) hospitals. These comparisons represent a critical first step in determining the cost-effectiveness and efficiency of an overall systems approach to trauma care. The study will: (1) examine variations in trauma care as a function of patient, injury, hospital and payer characteristics and identify differences across trauma centers and non-trauma centers and between Level I and Level II centers; (2) examine the relationship between treatment received across different levels of hospital trauma care and outcome; (3) estimate the costs associated with the initial hospitalization and subsequent care and compare these costs for patients treated at trauma centers versus non-trauma centers and across Level I and Level II centers; and, (4) describe the relationships between cost and effectiveness of care received by patients treated across varying levels of hospital care and the implications of these relationships for policy and program initiatives. *(Ellen MacKenzie, Ph.D., Johns Hopkins University)*

- Injury Control Research Center: The Johns Hopkins Injury Control Research Center is a scientifically-based academic organization that comprehensively addresses all phases of injury control within its single theme of Science Informing Program and Policy in Injury Control. Since its creation in 1987, the Center has integrated the disciplines of epidemiology, biostatistics, medicine, law, health policy, health services research, criminal justice, and behavioral sciences to effectively address the prevention, acute care, and rehabilitation of injuries. In addition to highly productive research and training in these areas, there are significant relationships with outside agencies and other organizations which allow for the implementation of research and interventions.
  (Ellen MacKenzie, M.P.H., Ph.D., Johns Hopkins University)