

State Injury Profile for Washington

The CDC State Injury Profiles

Gathering and sharing reliable data about the broad range of public health problems is among the many ways the Centers for Disease Control and Prevention protect the safety and health of Americans.

Policy makers and health care workers need access to the best, most current data available so they can make informed decisions about where to allocate limited resources to prevent diseases and injuries. Yet, many people find statistics difficult to understand and interpret. This State Injury Profile offers an easier way to look at statistics. Through maps and graphs, the Profile clearly shows how this state compares with others in the nation and what injury problems are most pressing.

CDC's National Center for Injury Prevention and Control gathers data about a broad range of intentional and unintentional injuries or what many people call 'violence' and 'accidents.' Injuries affect everyone. Injury is the leading cause of death for all Americans ages one to 34, and injury remains one of the leading causes of death, no matter how long someone may live.

Maps and graphs in this State Injury Profile show this state's death rates from in falls, poisoning, drowning, suffocation, fires and burns, suicide, homicide, traumatic brain injury and injuries related to firearms. The graphics show how this state compares with others and with mortality rates in the United States as a whole. You will also find a table showing the Ten Leading Causes of Death for the United States and for this state. **New this year** is a county-by-county map showing locations with higher death rates for each type of injury.

In addition to injury data, you'll also find a list of all CDC-funded injury prevention and research programs in this state for 2001.

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention
National Center for Injury Prevention and Control

To learn more

After you page through the State Injury Profile, if you want to know more, CDC has made it easy for you to find additional information about any injury and public health. Simply visit www.cdc.gov/ncipc. Or call the CDC National Center for Injury Prevention and Control, Office of Planning, Evaluation and Legislation at 1-770-488-4936.

These other resources offered or funded by the CDC may also interest you:

General information about injury in America

Customized data reports, www.cdc.gov/ncipc/wisqars

Consumer facts and tip sheets, www.cdc.gov/ncipc/safeusa or call the SafeUSA hotline toll free at 1-800-252-7751.

Intentional Injury

National Resource Center on Domestic Violence, 1-800-537-2238

National Sexual Violence Resource Center, www.nsvrc.org, or call 1-877-739-3895

National Violence Against Women Prevention Research Center, www.violenceagainstwomen.org, or call 1-843-792-2945

National Youth Violence Prevention Resource Center, www.safeyouth.org, or call 1-866-SAFEYOUTH (723-3968)

Violence Against Women Electronic Network (VAWnet), www.vawnet.org, or call 1-800-537-2238

Unintentional Injury

National Program for Playground Safety, www.uni.edu/playground, or call 1-800-554-PLAY (7529)

National Resource Center on Aging and Injury, www.olderadultinjury.org, or call 1-619-594-0986

State Injury Profile for Washington 1989-1998

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United States

10 Leading Causes of Deaths by Age Group: 1996-1998

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 18,771	Unintentional Injuries 6,087	Unintentional Injuries 4,666	Unintentional Injuries 5,392	Unintentional Injuries 40,525	Unintentional Injuries 37,468	Malignant Neoplasms 51,170	Malignant Neoplasms 135,803	Malignant Neoplasms 260,166	Heart Disease 1,824,785	Heart Disease 2,185,194
2	Short Gestation 11,928	Congenital Anomalies 1,791	Malignant Neoplasms 1,557	Malignant Neoplasms 1,514	Homicide 18,200	Suicide 16,898	Unintentional Injuries 43,925	Heart Disease 105,367	Heart Disease 198,361	Malignant Neoplasms 1,150,087	Malignant Neoplasms 1,620,642
3	SIDS 8,863	Malignant Neoplasms 1,227	Congenital Anomalies 662	Suicide 918	Suicide 12,679	Homicide 15,068	Heart Disease 40,037	Unintentional Injuries 31,208	Bronchitis Emphysema Asthma 30,317	Cerebro-vascular 419,998	Cerebro-vascular 478,181
4	Respiratory Distress Synd. 3,958	Homicide 1,194	Homicide 523	Homicide 908	Malignant Neoplasms 4,976	HIV 14,953	HIV 26,456	Cerebro-vascular 17,196	Cerebro-vascular 29,005	Bronchitis Emphysema Asthma 283,777	Bronchitis Emphysema Asthma 327,640
5	Maternal Complications 3,836	Heart Disease 643	Heart Disease 413	Congenital Anomalies 613	Heart Disease 3,124	Malignant Neoplasms 13,837	Suicide 20,308	Liver Disease 16,797	Diabetes 25,504	Pneumonia & Influenza 235,529	Unintentional Injuries 288,427
6	Placenta Cord Membranes 2,870	Pneumonia & Influenza 494	Pneumonia & Influenza 218	Heart Disease 560	Congenital Anomalies 1,252	Heart Disease 9,843	Homicide 11,138	Suicide 14,916	Unintentional Injuries 21,316	Diabetes 142,639	Pneumonia & Influenza 262,047
7	Perinatal Infections 2,348	Septicemia 245	HIV 194	Bronchitis Emphysema Asthma 287	HIV 883	Cerebro-vascular 2,068	Liver Disease 10,518	Diabetes 12,979	Liver Disease 15,844	Unintentional Injuries 95,191	Diabetes 189,154
8	Unintentional Injuries 2,323	HIV 233	Bronchitis Emphysema Asthma 159	Pneumonia & Influenza 180	Bronchitis Emphysema Asthma 677	Diabetes 1,903	Cerebro-vascular 8,159	HIV 12,892	Pneumonia & Influenza 11,228	Alzheimer's Disease 65,647	Suicide 92,013
9	Pneumonia & Influenza 1,358	Perinatal Period 210	Benign Neoplasms 134	Cerebro-vascular 140	Pneumonia & Influenza 638	Pneumonia & Influenza 1,633	Diabetes 5,622	Bronchitis Emphysema Asthma 8,467	Suicide 8,834	Nephritis 65,296	Nephritis 75,817
10	Intrauterine Hypoxia 1,341	Benign Neoplasms 188	Cerebro-vascular 102	HIV 139	Cerebro-vascular 533	Liver Disease 1,592	Pneumonia & Influenza 4,255	Pneumonia & Influenza 6,493	Septicemia 5,704	Septicemia 54,428	Liver Disease 75,414

United States Total Number of Injury Deaths

Cause	Deaths	Percent
Unintentional Injury	288,427	65.6%
Intentional	151,102	34.4%
Total (1996-1998)	439,529	100.0%

Average Number of Injury Deaths per Year
In the United States = **146,510**

Washington

10 Leading Causes of Deaths by Age Group: 1996-1998

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 376	Unintentional Injuries 110	Unintentional Injuries 74	Unintentional Injuries 102	Unintentional Injuries 780	Unintentional Injuries 760	Unintentional Injuries 1,025	Malignant Neoplasms 2,625	Malignant Neoplasms 4,749	Heart Disease 28,972	Heart Disease 34,367
2	SIDS 254	Congenital Anomalies 35	Malignant Neoplasms 34	Malignant Neoplasms 24	Suicide 311	Suicide 435	Malignant Neoplasms 945	Heart Disease 1,598	Heart Disease 2,948	Malignant Neoplasms 21,570	Malignant Neoplasms 30,375
3	Short Gestation 115	Malignant Neoplasms 32	Congenital Anomalies 14	Homicide 22	Homicide 217	Malignant Neoplasms 276	Heart Disease 595	Unintentional Injuries 714	Bronchitis Emphysema Asthma 554	Cerebrovascular 9,369	Cerebrovascular 10,273
4	Maternal Complications 53	Homicide 19	Homicide 12	Congenital Anomalies 15	Malignant Neoplasms 113	HIV 179	Suicide 500	Suicide 369	Diabetes 457	Bronchitis Emphysema Asthma 6,143	Bronchitis Emphysema Asthma 6,959
5	Respiratory Distress Synd. 51	Pneumonia & Influenza 11	Heart Disease 7	Suicide 15	Heart Disease 61	Homicide 167	HIV 316	Liver Disease 339	Cerebrovascular 449	Pneumonia & Influenza 4,550	Unintentional Injuries 5,819
6	Placenta Cord Membranes 45	Heart Disease 10	Cerebrovascular 4	Heart Disease 6	Congenital Anomalies 22	Heart Disease 145	Liver Disease 195	Cerebrovascular 284	Unintentional Injuries 389	Diabetes 2,573	Pneumonia & Influenza 4,988
7	Intrauterine Hypoxia 36	Meningitis 4	Appendicitis 3	Pneumonia & Influenza 5	Diabetes 9	Diabetes 40	Homicide 142	Diabetes 246	Liver Disease 318	Unintentional Injuries 1,837	Diabetes 3,445
8	Perinatal Infections 27	Perinatal Period 4	Pneumonia & Influenza 3	Benign Neoplasms 3	Cerebrovascular 8	Liver Disease 38	Diabetes 119	Bronchitis Emphysema Asthma 185	Suicide 190	Alzheimer's Disease 1,688	Suicide 2,209
9	Unintentional Injuries 25	Benign Neoplasms 3	3 Tied	Bronchitis Emphysema Asthma 3	Bronchitis Emphysema Asthma 7	Pneumonia & Influenza 34	Cerebrovascular 117	HIV 137	Pneumonia & Influenza 172	Atherosclerosis 999	Alzheimer's Disease 1,711
10	Pneumonia & Influenza 15	Septicemia 3	3 Tied	4 Tied	HIV 5	Congenital Anomalies 31	Pneumonia & Influenza 87	Pneumonia & Influenza 108	Viral Hepatitis 48	Nephritis 768	Liver Disease 1,431

Washington Total Number of Injury Deaths

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Unintentional Injury	5,819	66.2%
Intentional Injury	2,965	33.8%
Total (1996-1998)	8,784	100.0%

Average Number of Injury Deaths per Year
In Washington = **2,928**

1996-1998 Leading Causes of Death

Unintentional Injury

United States Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	127,053	44.1%
Fall	35,745	12.4%
Poisoning	30,474	10.6%
Suffocation	13,325	4.6%
Drowning	12,416	4.3%
Fire/Burn	10,809	3.7%
Other Causes	<u>58,605</u>	<u>20.3%</u>
	288,427	100.0%

Washington Only Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	2,232	38.4%
Poisoning	948	16.3%
Fall	875	15.0%
Drowning	325	5.6%
Suffocation	235	4.0%
Other Causes	<u>1,204</u>	<u>20.7%</u>
	5,819	100.0%

Intentional Injury

United States Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	53,156	57.8%
Suffocation	16,469	17.9%
Poisoning	15,280	16.6%
Other Causes	<u>7,108</u>	<u>7.7%</u>
	92,013	100.0%

Washington Only Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	1,259	57.0%
Poisoning	399	18.1%
Suffocation	373	16.9%
Other Causes	<u>178</u>	<u>8.1%</u>
	2,209	100.1%

United States Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	39,951	67.6%
Cut/Pierce	6,955	11.8%
Suffocation	2,147	3.6%
Other Causes	<u>10,036</u>	<u>17.0%</u>
	59,089	100.0%

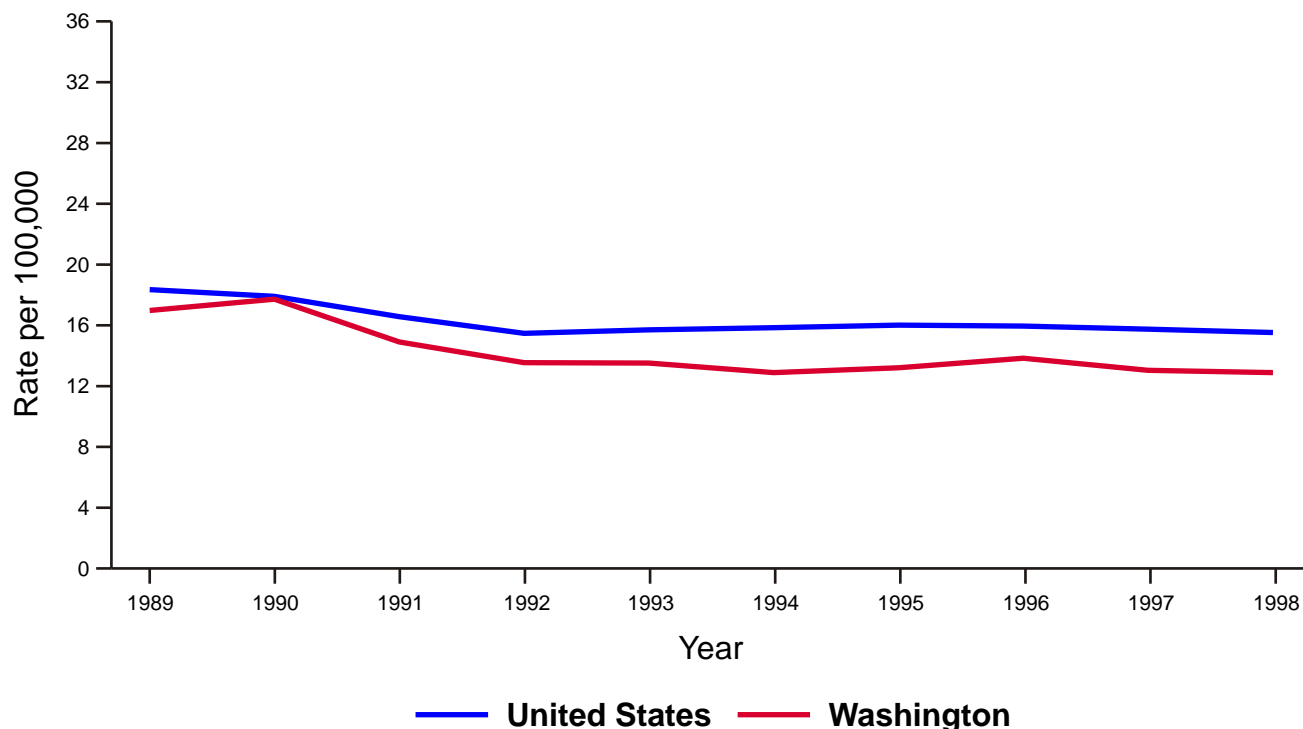
Washington Only Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	448	59.3%
Cut/Pierce	107	14.2%
Suffocation	39	5.2%
Other Causes	<u>162</u>	<u>21.4%</u>
	756	100.1%

Unintentional Motor Vehicle, Traffic-Related Death Rates United States, 1996-1998



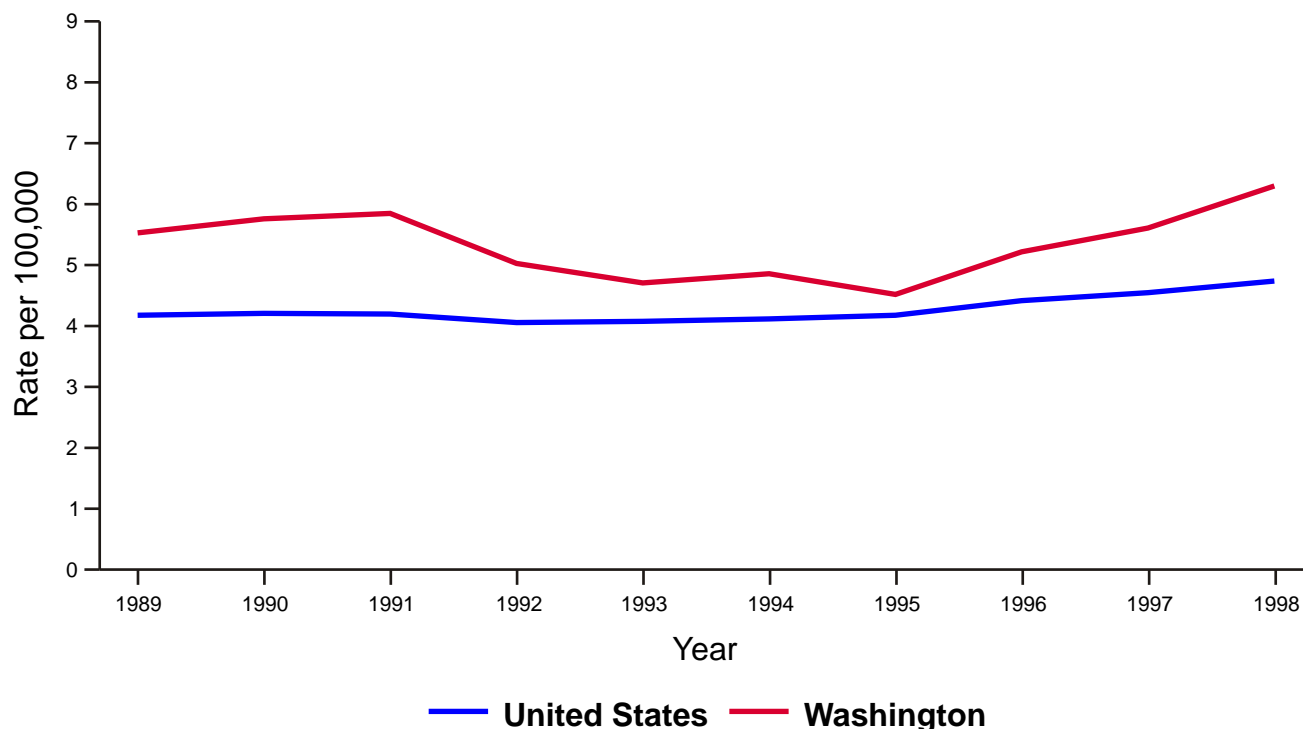
United States and Washington 1989-1998



Unintentional Fall Death Rates United States, 1996-1998



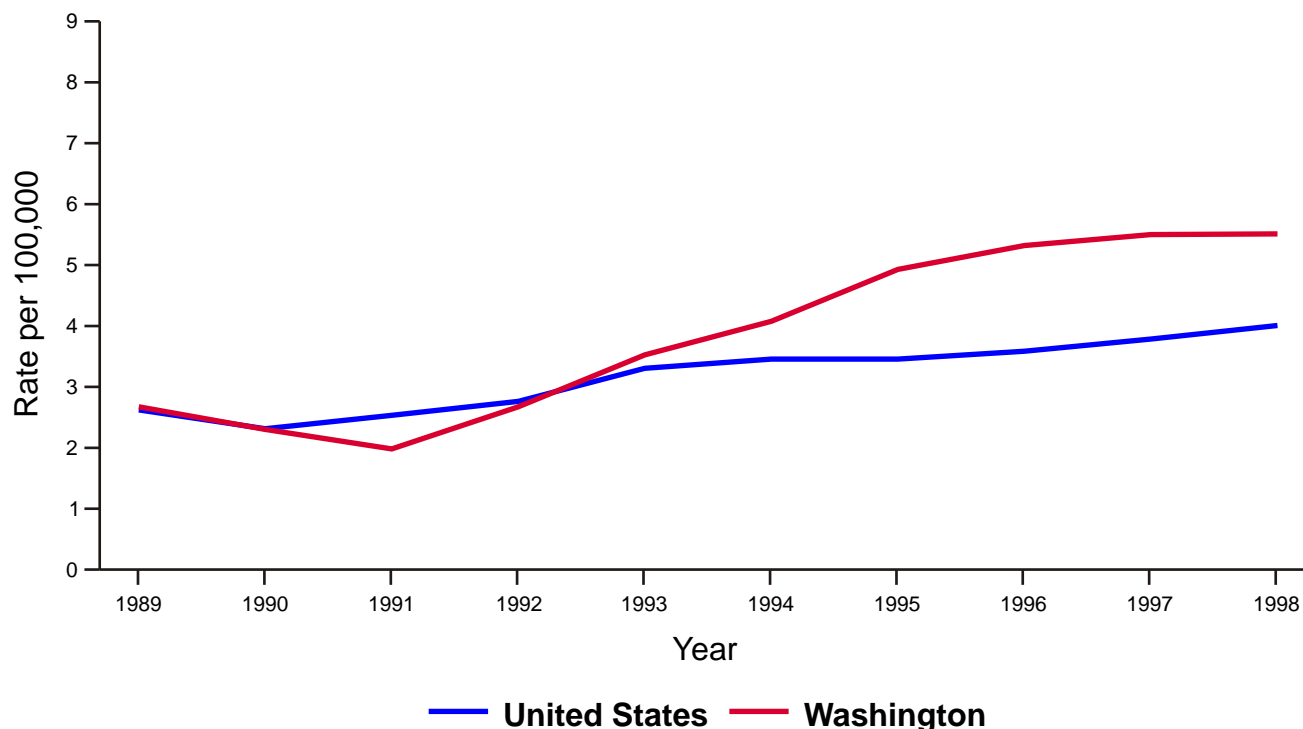
United States and Washington 1989-1998



Unintentional Poisoning Death Rates United States, 1996-1998



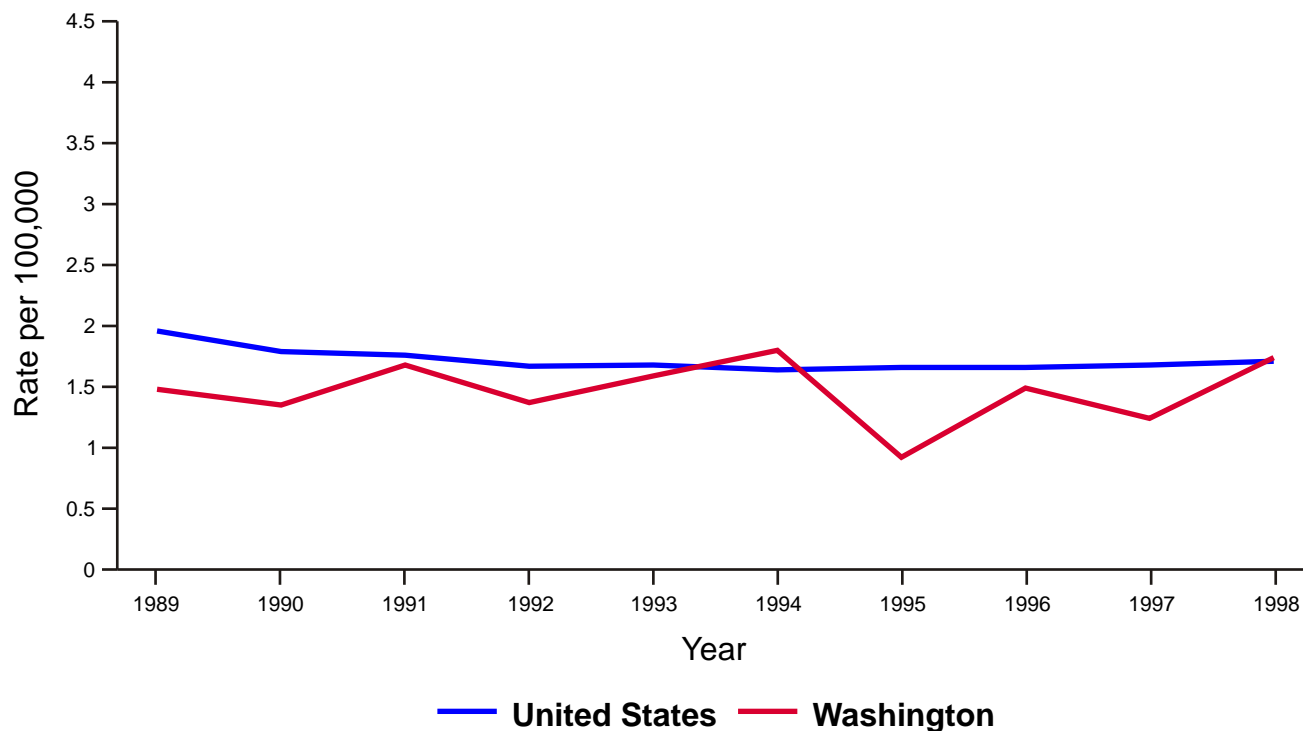
United States and Washington 1989-1998



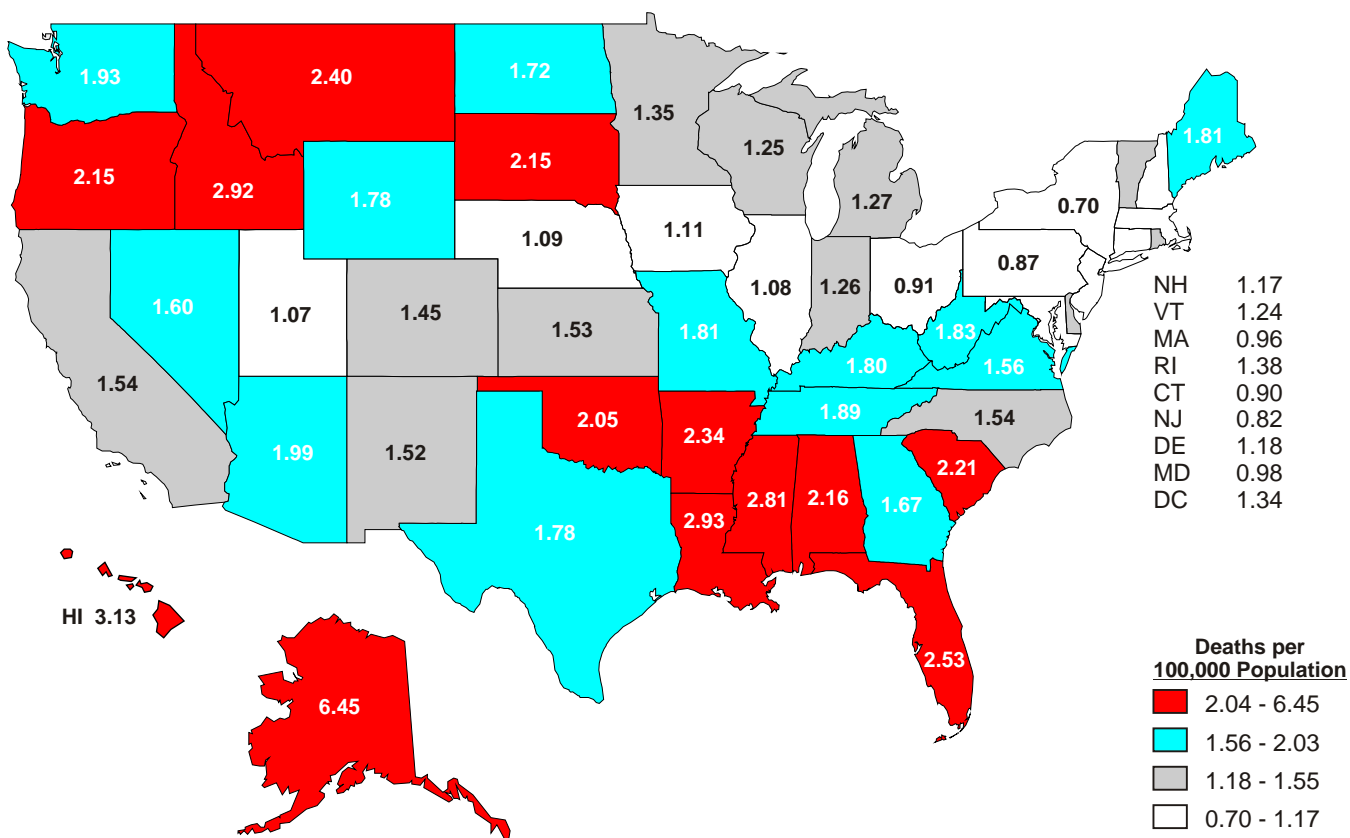
Unintentional Suffocation Death Rates United States, 1996-1998



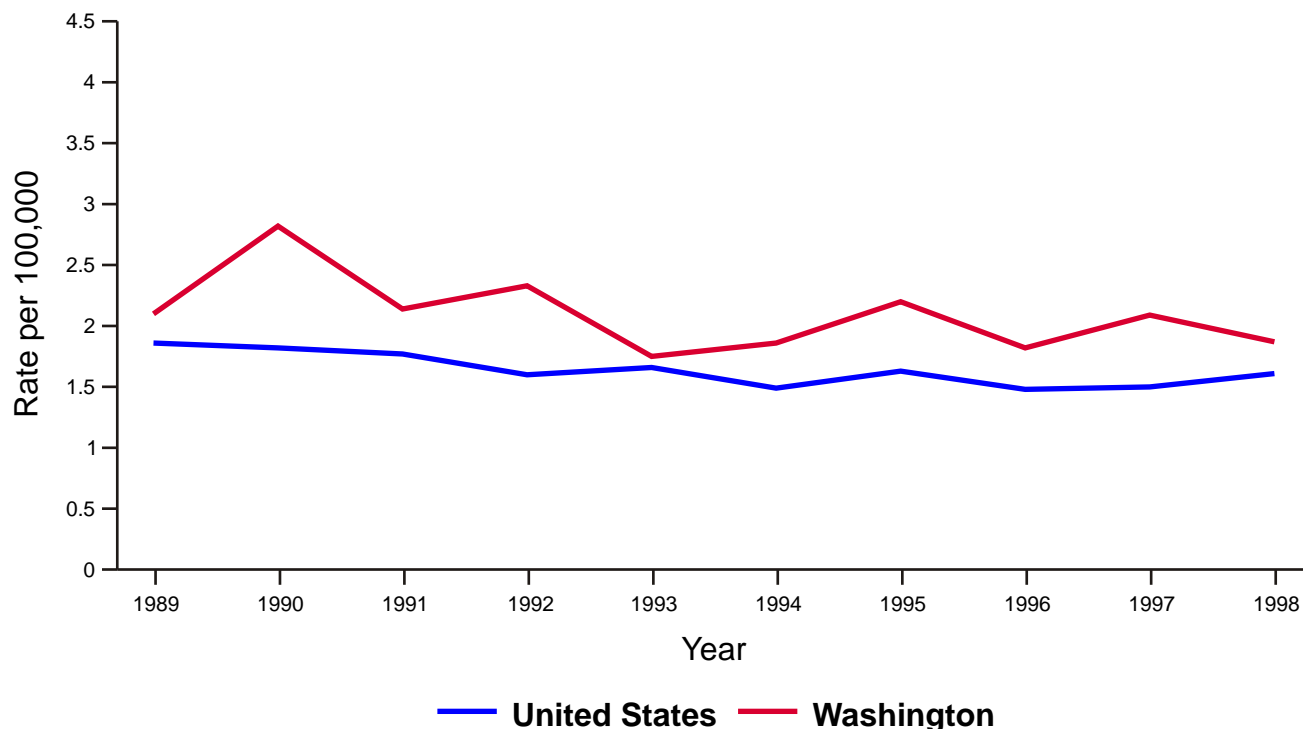
United States and Washington 1989-1998



Unintentional Drowning Death Rates United States, 1996-1998



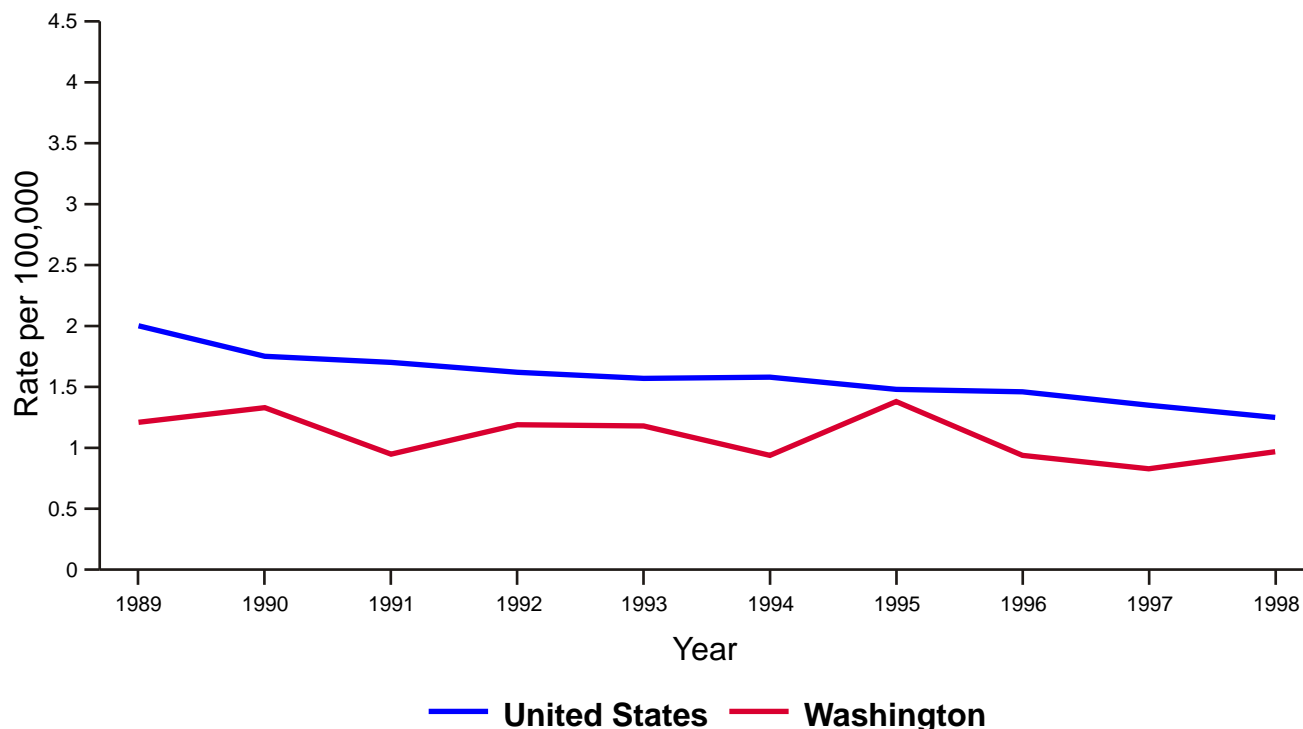
United States and Washington 1989-1998



Unintentional Fire and Burn-Related Death Rates United States, 1996-1998



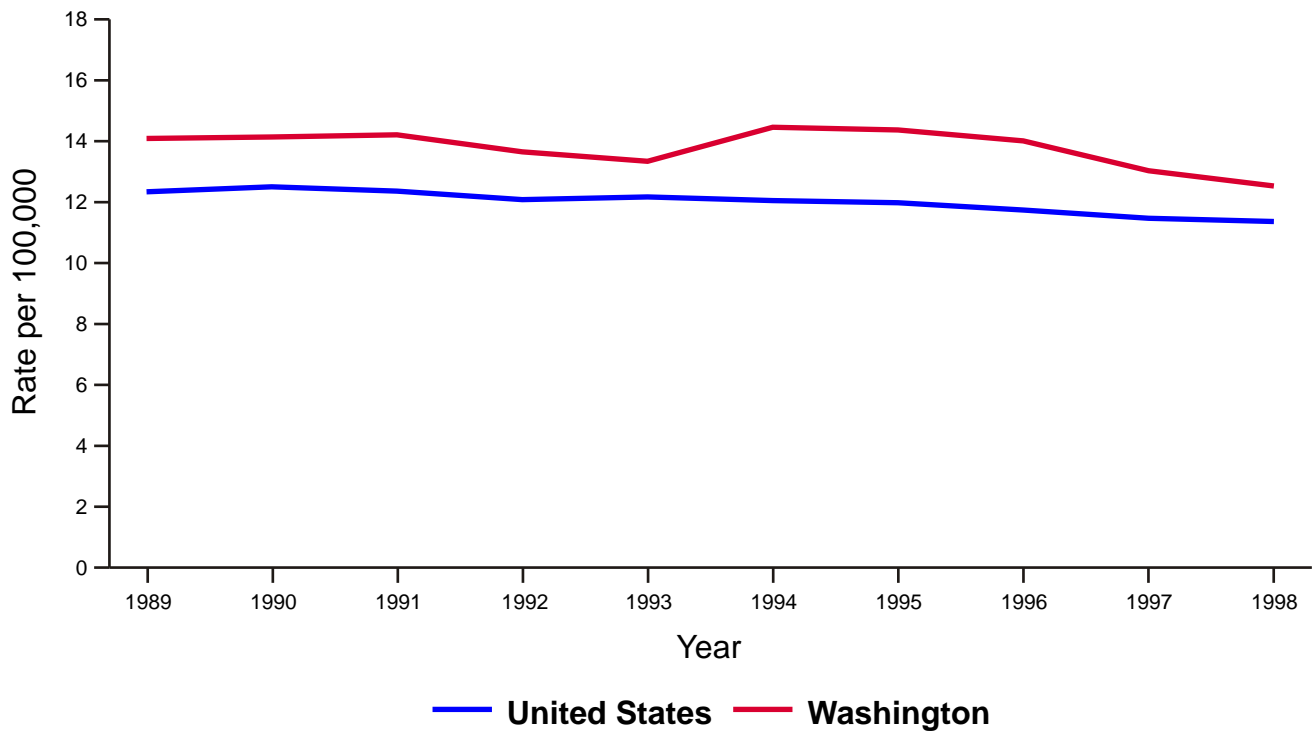
United States and Washington 1989-1998



Suicide Death Rates United States, 1996-1998



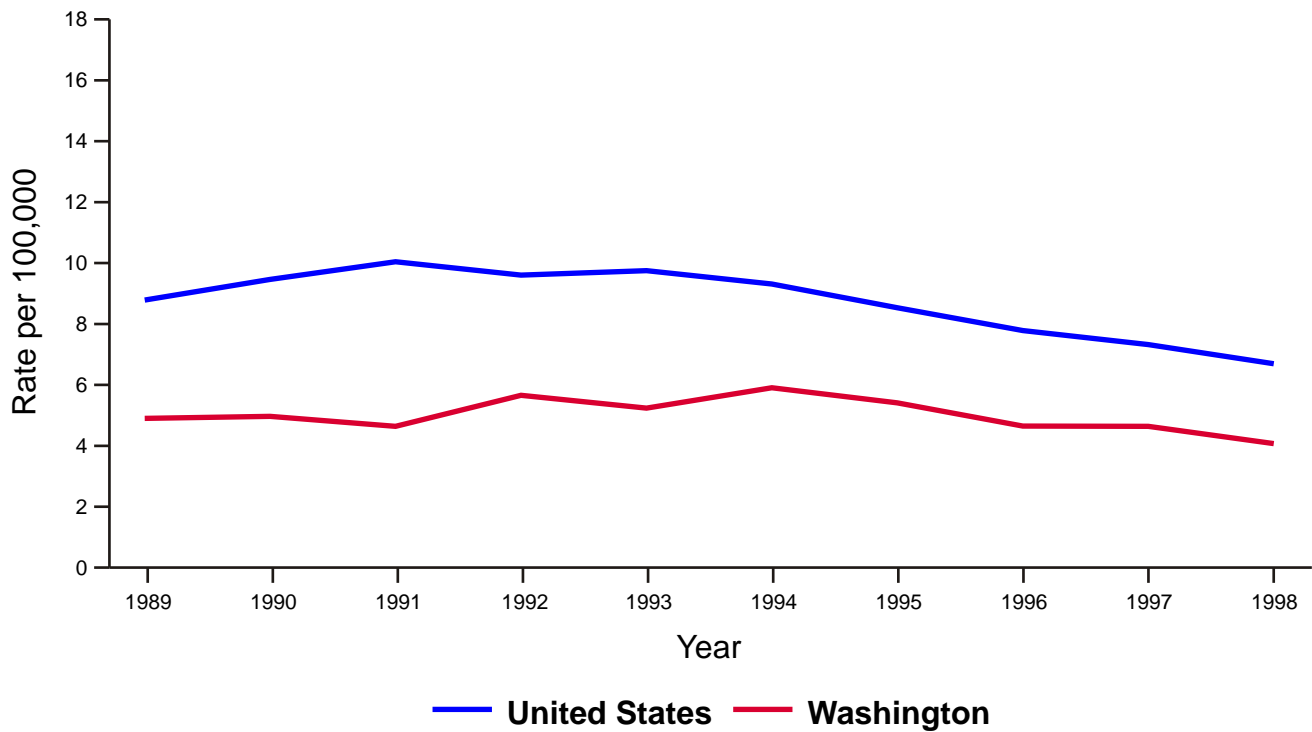
United States and Washington 1989-1998



Homicide Death Rates United States, 1996-1998



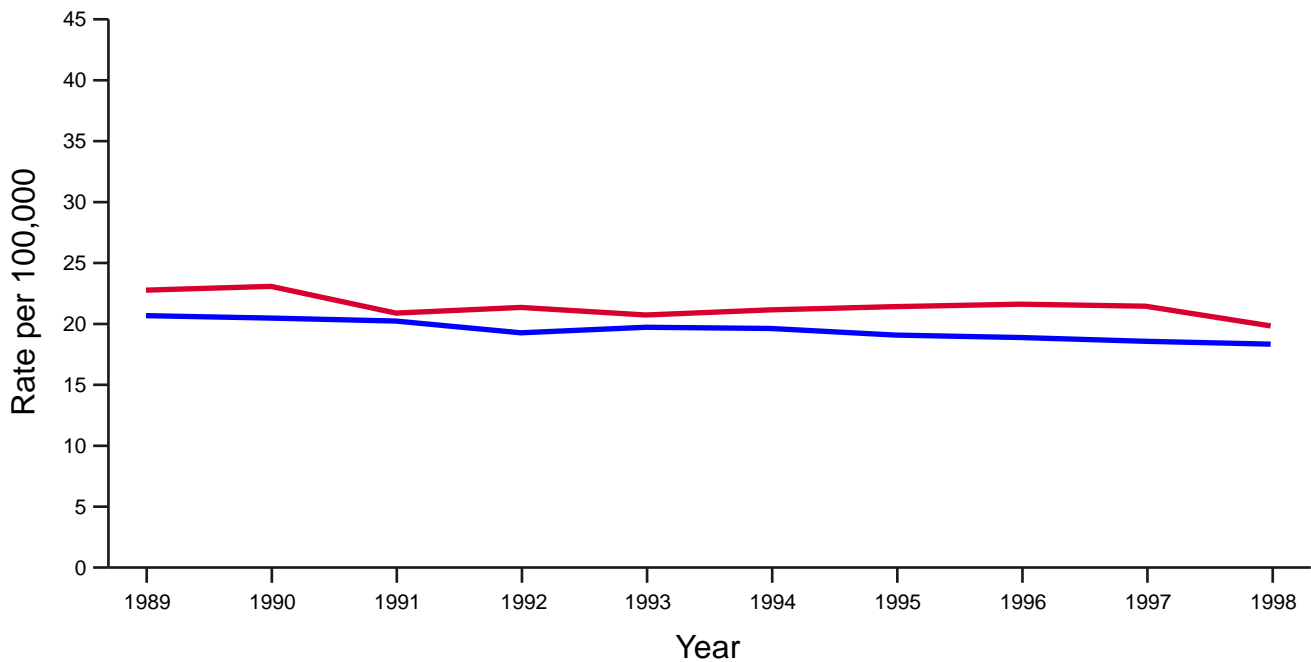
United States and Washington 1989-1998



Traumatic Brain Injury-Related Death Rates* United States, 1996-1998



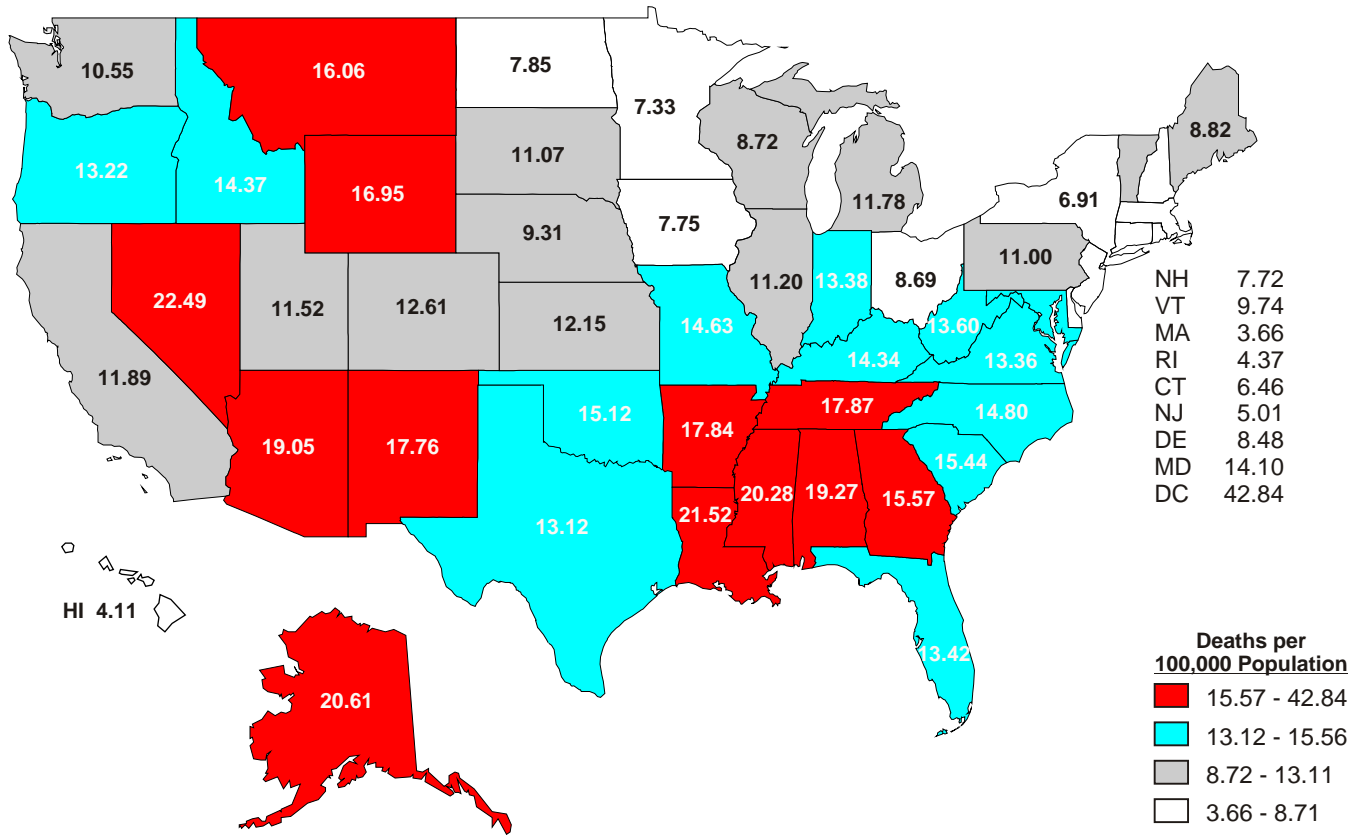
United States and Washington 1989-1998



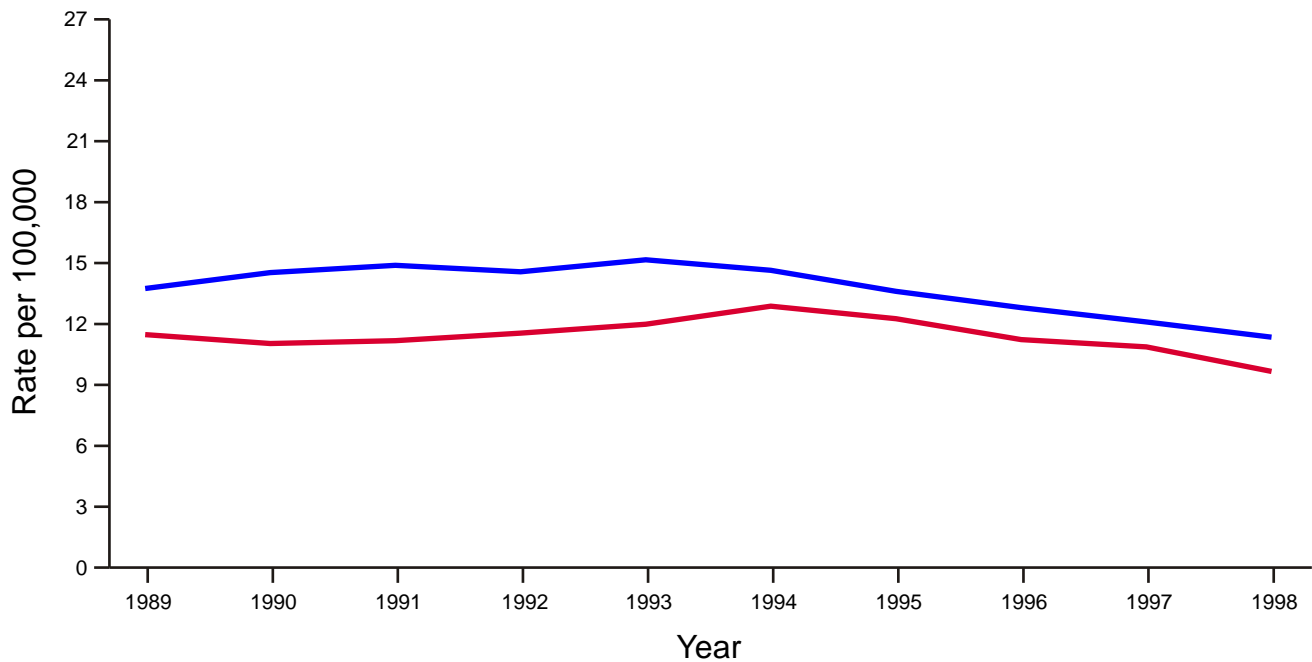
— United States — Washington

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

Firearm-Related Death Rates United States, 1996-1998



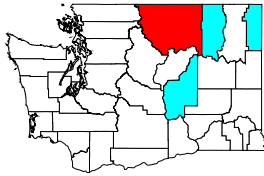
United States and Washington 1989-1998



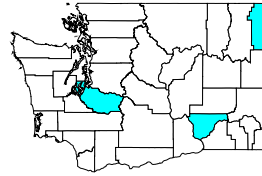
— United States — Washington

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

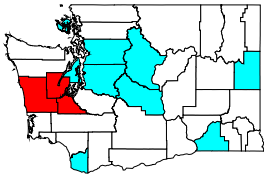
Washington 1989-1998



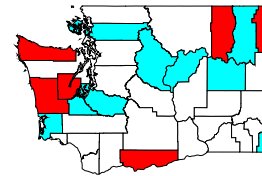
Motor Vehicle
749 Deaths/Year
 U.S. 16.4
 WA 14.3



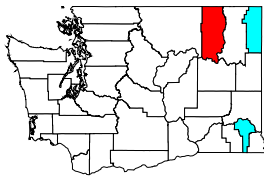
Homicides
269 Deaths/Year
 U.S. 8.7
 WA 5.0



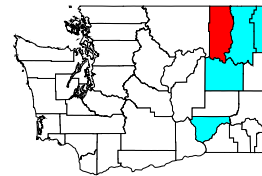
Falls
247 Deaths/Year
 U.S. 4.3
 WA 5.3
 Excess Deaths/Year **55**



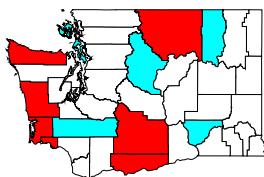
Suicides
715 Deaths/Year
 U.S. 12.0
 WA 13.7
 Excess Deaths/Year **93**



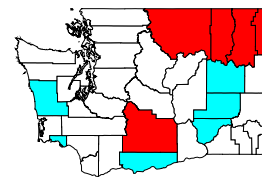
Fires/Burns
58 Deaths/Year
 U.S. 1.6
 WA 1.1



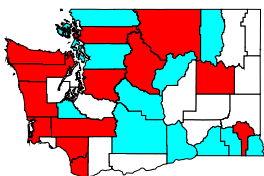
Firearms
595 Deaths/Year
 U.S. 13.7
 WA 11.4



Drownings
111 Deaths/Year
 U.S. 1.7
 WA 2.1
 Excess Deaths/Year **24**



Traumatic Brain Injury
1,067 Deaths/Year
 U.S. 18.5
 WA 20.6
 Excess Deaths/Year **112**



Poisonings
212 Deaths/Year
 U.S. 3.2
 WA 4.0
 Excess Deaths/Year **38**

Legend

- At or above the 90th NATIONAL percentile
- At or above the 75th but less than the 90th NATIONAL percentile

CDC-Funded Injury Control Projects

SAFER·HEALTHIER·PEOPLE™

CDC-Funded Injury Control Projects in WASHINGTON

CDC's National Center for Injury Prevention and Control (NCIPC) funds 10 programs in Washington to build the state's ability to keep its citizens safe. Washington is home to one of the United States' 10 Injury Control Research Centers.

Injury Control Research Centers

The Harborview Injury Prevention and Research Center

Injury Control Research Centers conduct research in the three core phases of injury control — prevention, acute care, and rehabilitation — and serve as training and information centers. ICRC research is interdisciplinary, incorporating medicine, engineering, epidemiology, law, and criminal justice, behavioral and social sciences, biostatistics, public health, and biomechanics. The Harborview ICRC uses research, education, and prevention programs to decrease trauma-related deaths and injuries and to enhance the effectiveness of injury prevention and treatment programs in the Northwest region. (*Harborview Injury Prevention and Research Center, Seattle*)

Core Injury Programs

State-Based Core Injury Program Development

Washington is one of 23 states in which CDC funding helps establish a point of coordination for injury control efforts, assess injury data and surveillance resources within the state, and develop a state injury control plan. A core injury development program is a cooperative effort to develop or strengthen the capacity of state public health agencies to prevent and control injuries. These programs possess some combination of these features and tools:

- 1) injury prevention coordinator;
- 2) up-to-date profile of injuries within the state from existing data sources;
- 3) advisory structure to facilitate collaboration with public and private sector groups;
- 4) relationships with organizations, agencies, and individuals interested or experienced in injury prevention or control; and
- 5) a current plan for injury prevention and control based on the state's priorities.

The enhanced program strengthens the capacity of Washington's established injury prevention and control program. (*Washington State Department of Health*)

Unintentional Injury

Prevention of Fire-Related Injuries

A project to reduce the incidence of fire-related deaths in targeted counties to no more than 1.2 per 100,000, and to establish community-wide smoke alarm coverage in these counties. This project will include public awareness campaigns in the target communities. (*Washington State Department of Health*)

Firearm Storage Device Evaluation

A study to determine the effectiveness of household firearm storage techniques in reducing unintentional and self-inflicted firearm injuries among children and adolescents.

(Harborview Medical Center, Seattle)

Intentional Injury

Coordinated Community Responses to Prevent Intimate Partner Violence

This project seeks to reduce intimate partner violence in Spokane County. Project staff will develop and implement multifaceted violence prevention campaign targeting children and their parents; support groups for teen victims; a treatment program for young offenders; an education campaign about child witnesses of intimate partner violence. A media-based community education campaign will include educational materials, conferences and workshops, Consortium membership, and a community resource library. *(Spokane County Domestic Violence Consortium)*

Promoting CARE with Hispanic Youth at Suicide Risk

A study to compare the outcomes of Promoting CARE (funded by NIH), a suicide prevention program, among at-risk Hispanic youth from New Mexico with outcomes among at-risk White youth. *(University of Washington School of Nursing)*

Assessing Suicide Risk in Adolescents

A longitudinal survey among urban high school-age youth to enhance the understanding of risk and protective factors for suicidal behavior among young people. Researchers will develop a research and clinical instrument to evaluate suicide risk and examine the utility of this instrument as both a screening tool and as an outcome measure. Results will help practitioners develop more effective interventions to reduce risk of suicide and its associated personal, social, and economic costs. *(Battelle Centers for Public Health, Seattle)*

Rape Prevention and Education

A nationwide grant program providing resources to states for rape prevention and education programs conducted by rape crisis centers, State sexual assault coalitions, and other public and private nonprofit entities for:

- 1) educational seminars;
- 2) operation of hotlines;
- 3) training programs for professionals;
- 4) preparation of informational material;
- 5) education and training programs for students and campus personnel designed to reduce the incidence of sexual assault at colleges and universities;
- 6) education and training to increase awareness about drugs to facilitate rapes or sexual assaults; and
- 7) other efforts to increase awareness about, or to help prevent, sexual assault, including efforts to increase awareness in underserved communities and awareness among individuals with disabilities.

(Washington State Department of Health)

Acute Care and Rehabilitation

Age-Related Cervical Spine Mechanics and Injury Tolerance

A study to document cervical spine mechanical properties, neck injury tolerance levels, and post-injury instability as a function of developmental age and to identify additional data needed to assess the potential for injury, particularly among children. This research will guide development and evaluation of pediatric crash simulations to enhance automotive injury prevention strategies for children. (*University of Washington*)

A Retro-Fit Device for Cervical Whiplash Prevention

A project to quantitatively test a practical device and method for reducing the whiplash motions of the cervical spine that occur in a rear-end motor vehicle impact. The researchers' ultimate goal is to reduce the potential for cervical spine injury. (*Harborview Medical Center, Seattle*)

Notes