

Miners leave their shift at the Meadow River
Coal Mine in Lookout, West Virginia. □



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4 State Maps and Tables of Stroke Mortality

In this section, state maps of the spatially smoothed, age-adjusted stroke death rates by county are presented separately for each state, the District of Columbia, and New York City. To create these state maps, we used the same stroke death rates generated for the national maps. A description of the methods used to calculate the rates can be found in Appendix B. Each county rate is based on a spatial moving average of that county and its neighbors. Therefore, for counties that are located along state borders, neighboring counties in adjacent states contributed to the smoothed rate for those counties, even though the neighboring counties are not displayed on the state map. State maps of the geographic disparities within each racial and ethnic group are not included in this publication but are available on the CDC interactive Web site at www.cdc.gov/cvh/maps.

For each map, the spatially smoothed, age-adjusted county death rates within each state were ranked from highest to lowest and then categorized into quintiles. The legend that accompanies each map indicates the range of county rates. A graded color scheme differentiates each quintile, with the darkest color representing counties with the highest rates and the lightest color representing counties with the lowest rates. Counties for which insufficient data existed to calculate a rate are shaded gray.

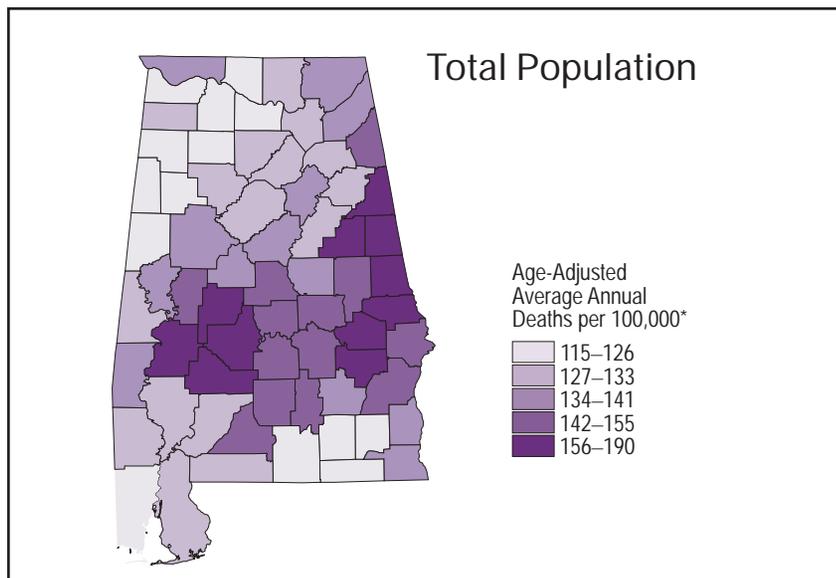
Because the range of stroke death rates varies substantially by state, the quintile cutpoints are different for each state map. Consequently, the range of values represented by a

given quintile varies from map to map. To determine whether the death rates were higher or lower for one state compared with another, the reader can refer to the tables of death rates presented for each state in this section or to the tables in Appendix A.

The state maps are accompanied by tables that display summary data by racial and ethnic group for women and men separately as well as for the state population as a whole. Each table provides data on the state population, the state stroke death rate, and the corresponding national stroke death rate. Data in these tables are not spatially smoothed. Under the federal data-reporting scheme, “Hispanic” is considered a designation of ethnicity, not race. Therefore, data for Hispanics are presented twice in the state tables and throughout the *Atlas of Stroke Mortality*—once under the category of “Hispanics,” which includes Hispanics of all racial identities (e.g., Hispanic blacks, Hispanic whites), and again under any of the four racial categories (American Indians and Alaska Natives, Asians and Pacific Islanders, blacks, and whites) according to a person’s racial identity. Consequently, data for the five racial and ethnic groups are not mutually exclusive.

For part of the study period, Oklahoma and New Hampshire did not collect data on Hispanic origin on death certificates. Consequently, we were unable to report stroke death rates for Hispanics in these states.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	6,758	‡	79
Asians and Pacific Islanders	11,453	‡	105
Blacks	475,760	180	166
Hispanics [§]	14,463	47	79
Whites	1,722,420	124	117
Total Population	2,216,391	135	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,591	‡	77
Asians and Pacific Islanders	6,521	‡	96
Blacks	271,858	162	153
Hispanics [§]	7,043	55	72
Whites	916,014	120	113
All Women	1,197,984	128	117

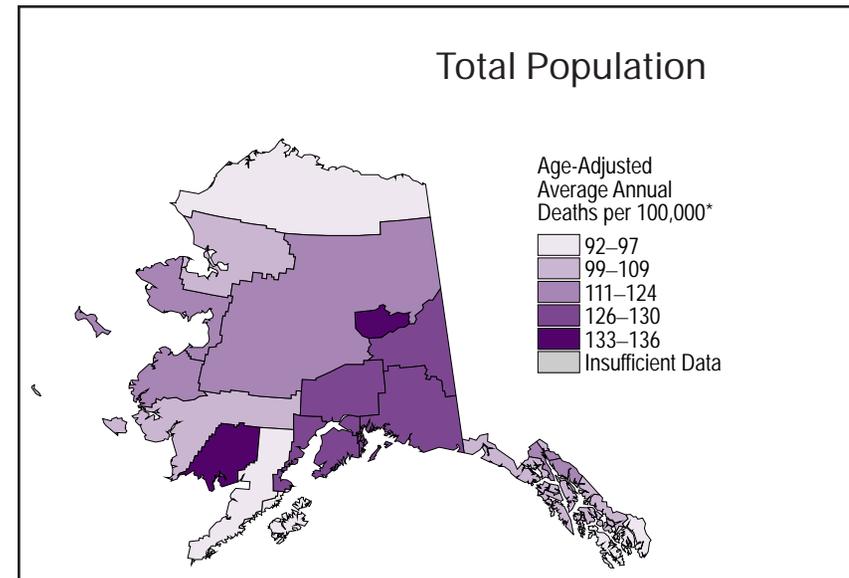
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,167	‡	80
Asians and Pacific Islanders	4,932	‡	118
Blacks	203,902	205	182
Hispanics [§]	7,420	‡	88
Whites	806,406	129	121
All Men	1,018,407	142	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	32,325	158	79
Asians and Pacific Islanders	11,424	158	105
Blacks	8,398	†	166
Hispanics [§]	8,218	†	79
Whites	224,935	118	117
Total Population	277,082	125	121



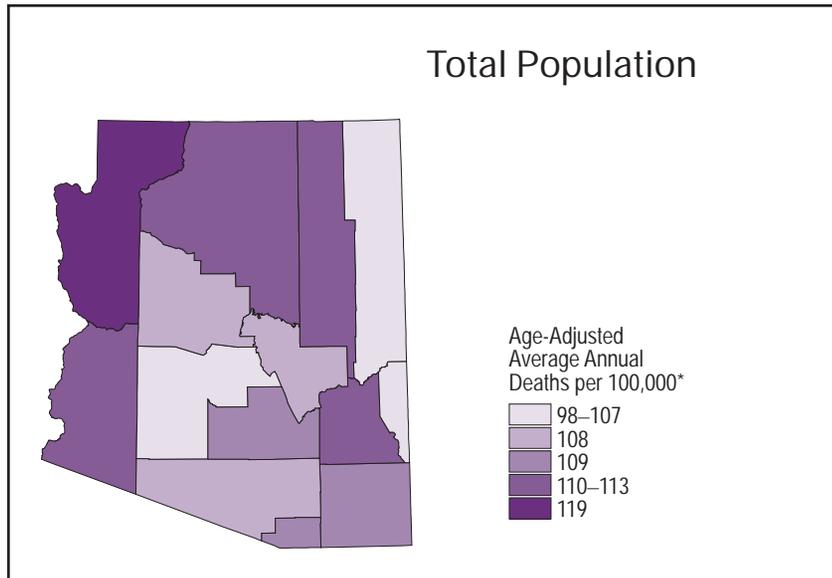
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	16,073	177	77
Asians and Pacific Islanders	6,379	136	96
Blacks	3,911	†	153
Hispanics [§]	3,947	†	72
Whites	103,230	123	113
All Women	129,593	131	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	16,252	133	80
Asians and Pacific Islanders	5,045	201	118
Blacks	4,487	†	182
Hispanics [§]	4,271	†	88
Whites	121,705	110	121
All Men	147,489	116	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[†]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	83,595	101	79
Asians and Pacific Islanders	38,740	113	105
Blacks	66,157	127	166
Hispanics [§]	337,549	102	79
Whites	2,101,803	108	117
Total Population	2,290,295	108	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	44,656	98	77
Asians and Pacific Islanders	21,873	99	96
Blacks	33,283	127	153
Hispanics [§]	173,582	94	72
Whites	1,096,340	107	113
All Women	1,196,152	108	117

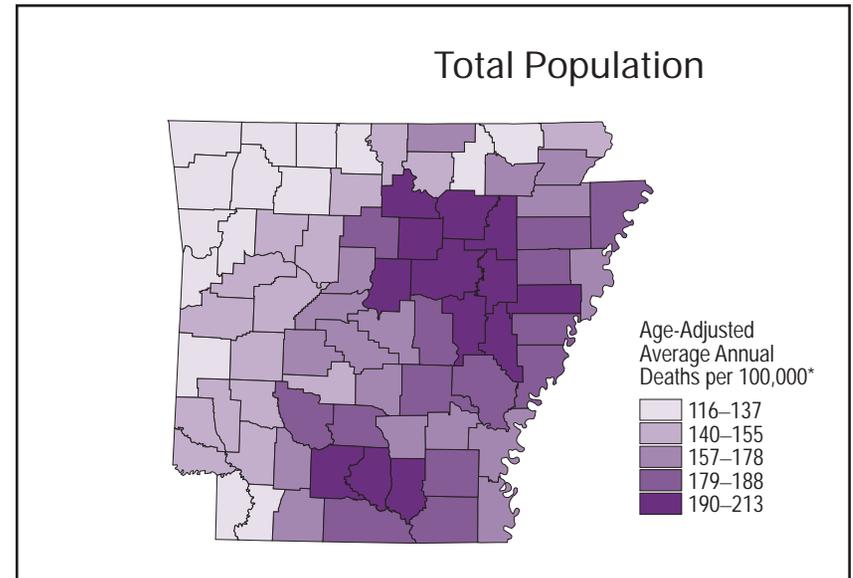
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	38,939	106	80
Asians and Pacific Islanders	16,867	130	118
Blacks	32,874	125	182
Hispanics [§]	163,967	111	88
Whites	1,005,463	106	121
All Men	1,094,143	107	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	5,752	‡	79
Asians and Pacific Islanders	6,972	‡	105
Blacks	159,310	225	166
Hispanics [§]	13,877	‡	79
Whites	1,123,662	157	117
Total Population	1,295,696	163	121



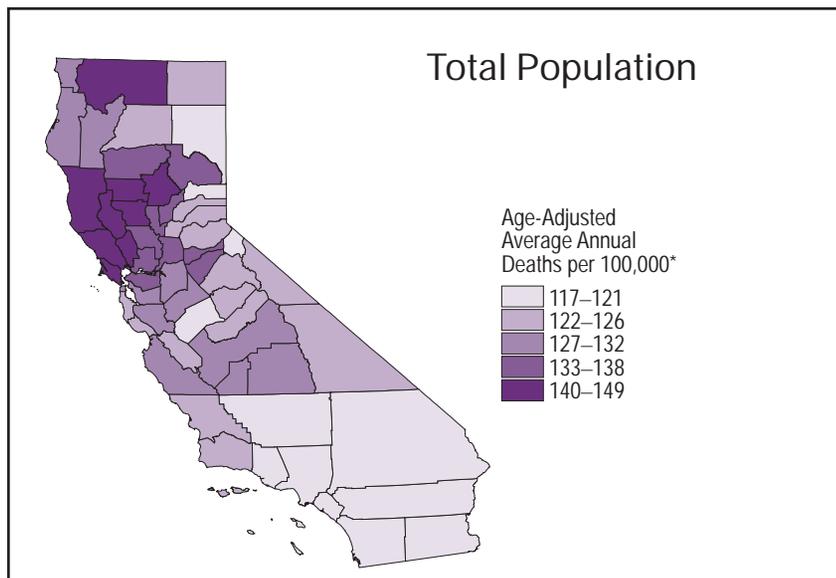
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,010	‡	77
Asians and Pacific Islanders	3,937	‡	96
Blacks	90,977	207	153
Hispanics [§]	6,686	‡	72
Whites	597,319	151	113
All Women	695,243	158	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,742	‡	80
Asians and Pacific Islanders	3,035	‡	118
Blacks	68,333	248	182
Hispanics [§]	7,191	‡	88
Whites	526,343	161	121
All Men	600,453	168	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	133,613	51	79
Asians and Pacific Islanders	1,768,624	118	105
Blacks	1,058,338	169	166
Hispanics [§]	3,279,030	87	79
Whites	12,430,753	121	117
Total Population	15,391,328	124	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	69,857	53	77
Asians and Pacific Islanders	954,477	106	96
Blacks	558,578	165	153
Hispanics [§]	1,666,525	81	72
Whites	6,413,760	119	113
All Women	7,996,672	121	117

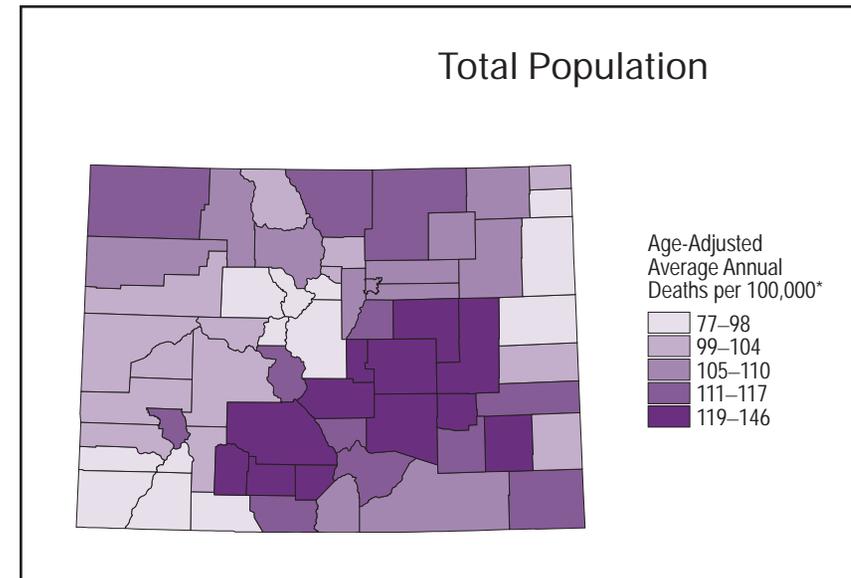
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	63,756	48	80
Asians and Pacific Islanders	814,147	134	118
Blacks	499,760	173	182
Hispanics [§]	1,612,505	93	88
Whites	6,016,993	123	121
All Men	7,394,656	126	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	14,954	59	79
Asians and Pacific Islanders	38,309	82	105
Blacks	71,853	151	166
Hispanics [§]	213,209	96	79
Whites	1,889,906	111	117
Total Population	2,015,022	112	121



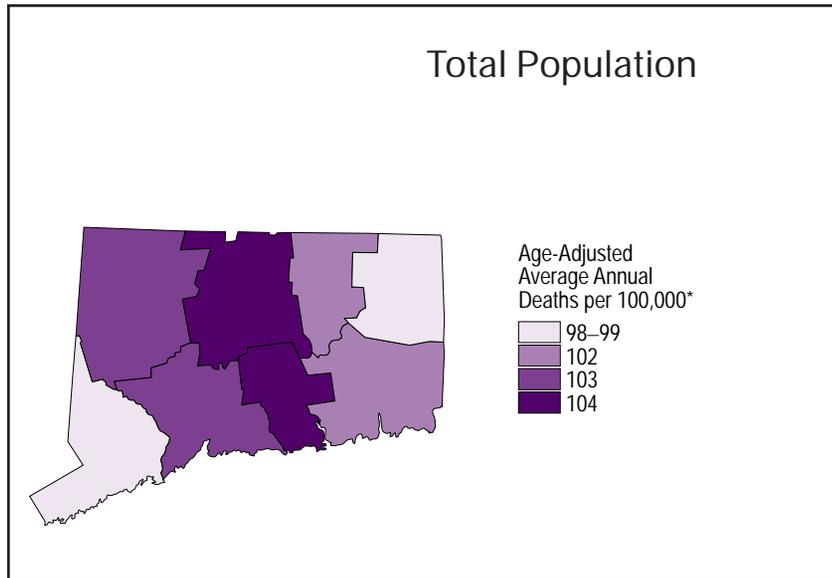
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	7,731	75	77
Asians and Pacific Islanders	21,794	75	96
Blacks	35,887	152	153
Hispanics [§]	108,691	89	72
Whites	975,949	111	113
All Women	1,041,361	112	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	7,223	‡	80
Asians and Pacific Islanders	16,515	93	118
Blacks	35,966	141	182
Hispanics [§]	104,518	107	88
Whites	913,957	109	121
All Men	973,661	109	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,386	‡	79
Asians and Pacific Islanders	32,080	66	105
Blacks	124,275	121	166
Hispanics [§]	91,096	56	79
Whites	1,581,206	101	117
Total Population	1,740,947	103	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,778	‡	77
Asians and Pacific Islanders	16,673	74	96
Blacks	69,310	115	153
Hispanics [§]	49,147	52	72
Whites	841,738	97	113
All Women	929,499	98	117

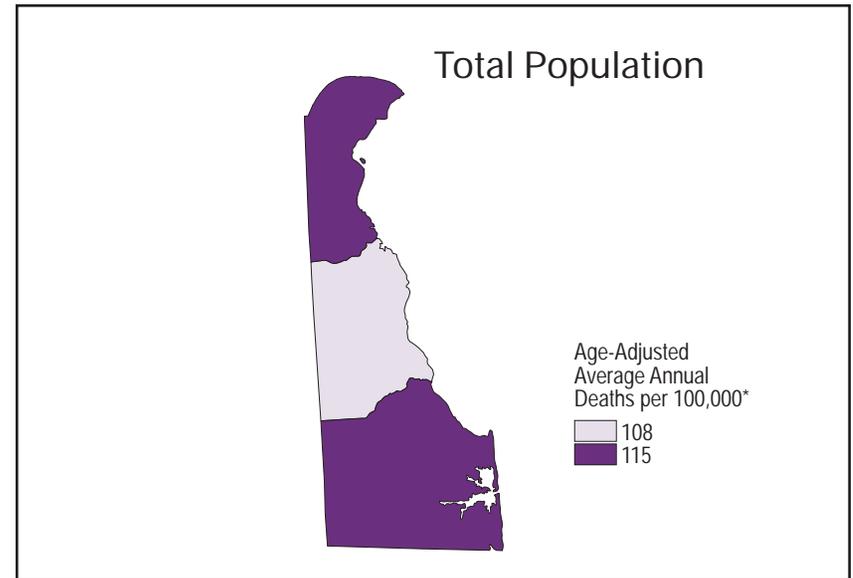
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,608	‡	80
Asians and Pacific Islanders	15,407	55	118
Blacks	54,965	125	182
Hispanics [§]	41,949	61	88
Whites	739,468	106	121
All Men	811,448	107	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,077	‡	79
Asians and Pacific Islanders	6,772	‡	105
Blacks	60,332	153	166
Hispanics [§]	8,204	‡	79
Whites	312,354	100	117
Total Population	380,535	106	121



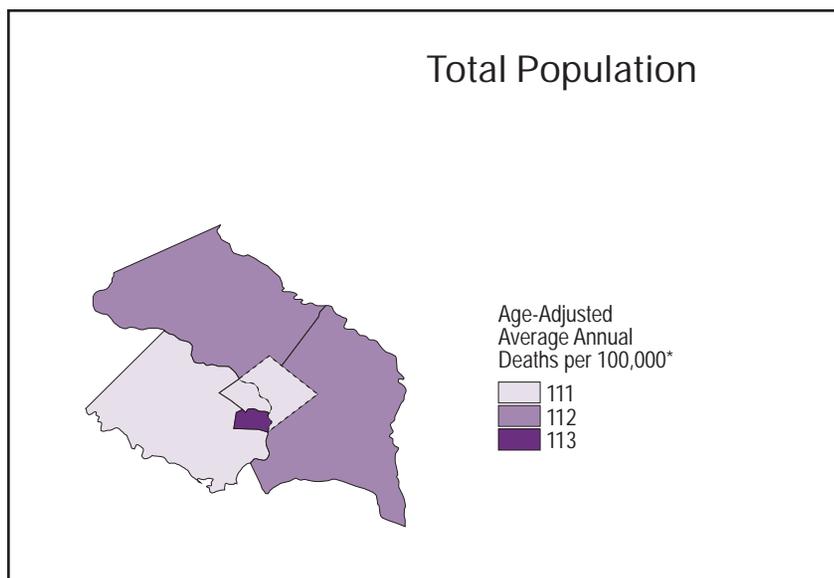
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	559	‡	77
Asians and Pacific Islanders	3,645	‡	96
Blacks	33,275	144	153
Hispanics [§]	4,094	‡	72
Whites	164,049	96	113
All Women	201,528	102	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	518	‡	80
Asians and Pacific Islanders	3,127	‡	118
Blacks	27,057	164	182
Hispanics [§]	4,110	‡	88
Whites	148,305	102	121
All Men	179,007	109	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	District Population 1998	District Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	776	‡	79
Asians and Pacific Islanders	6,370	‡	105
Blacks	178,359	132	166
Hispanics [§]	14,934	‡	79
Whites	92,816	93	117
Total Population	278,321	120	121

Women			
Race and Ethnicity	District Population 1998	District Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	433	‡	77
Asians and Pacific Islanders	3,630	‡	96
Blacks	102,412	123	153
Hispanics [§]	7,802	‡	72
Whites	47,130	87	113
All Women	153,605	113	117

Men			
Race and Ethnicity	District Population 1998	District Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	343	‡	80
Asians and Pacific Islanders	2,740	‡	118
Blacks	75,947	144	182
Hispanics [§]	7,132	‡	88
Whites	45,686	102	121
All Men	124,716	129	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

District of Columbia

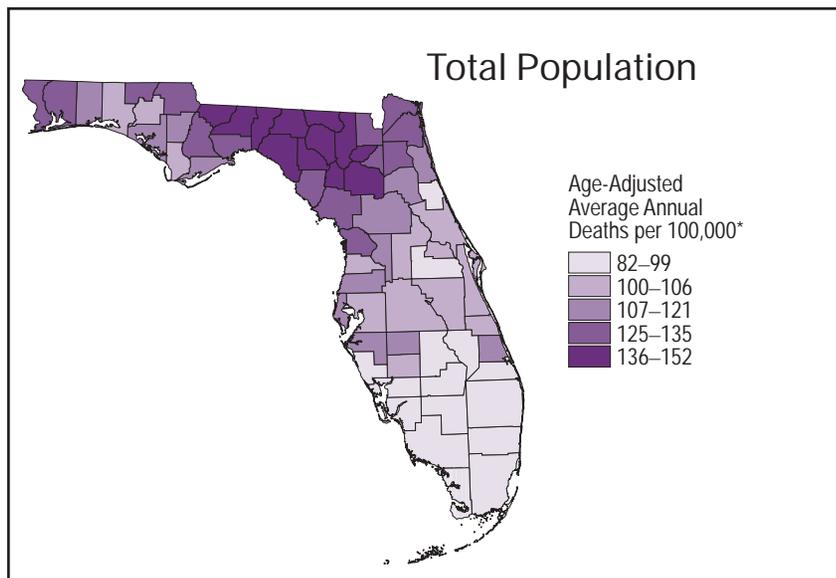
The map of stroke death rates for the District of Columbia displays spatially smoothed, age-adjusted rates for the District of Columbia and all contiguous counties of the bordering states. The border of the District of Columbia is represented by a dashed line. The stroke death rates presented in the tables are not spatially smoothed and therefore do not incorporate data from the contiguous counties.

Latinos celebrate their culture
at an annual festival in the District of Columbia.



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Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	26,073	34	79
Asians and Pacific Islanders	119,163	55	105
Blacks	895,601	181	166
Hispanics [§]	1,062,845	66	79
Whites	7,202,542	97	117
Total Population	8,243,379	102	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	13,263	†	77
Asians and Pacific Islanders	66,947	53	96
Blacks	492,461	170	153
Hispanics [§]	567,759	61	72
Whites	3,820,822	93	113
All Women	4,393,493	98	117

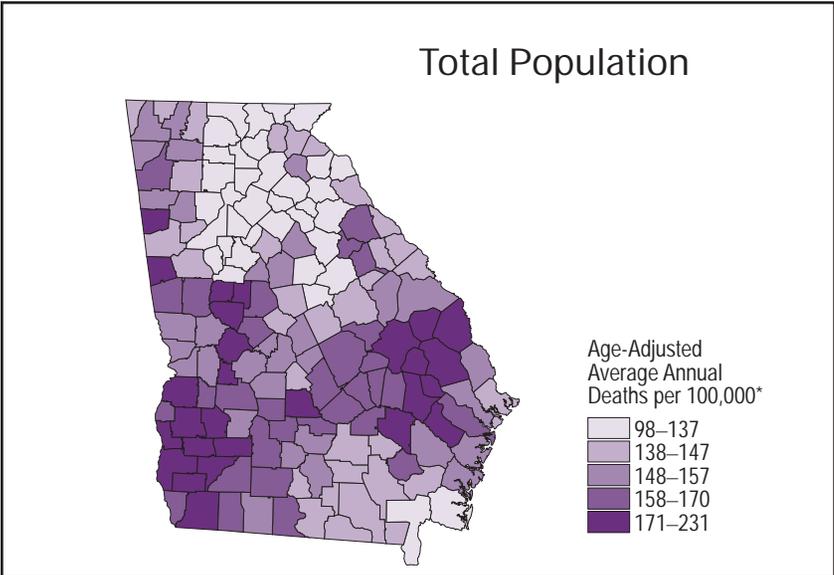
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	12,810	41	80
Asians and Pacific Islanders	52,216	57	118
Blacks	403,140	194	182
Hispanics [§]	495,086	73	88
Whites	3,381,720	100	121
All Men	3,849,886	106	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[†]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	8,026	‡	79
Asians and Pacific Islanders	59,519	93	105
Blacks	871,811	191	166
Hispanics [§]	66,638	43	79
Whites	2,704,908	134	117
Total Population	3,644,264	146	121



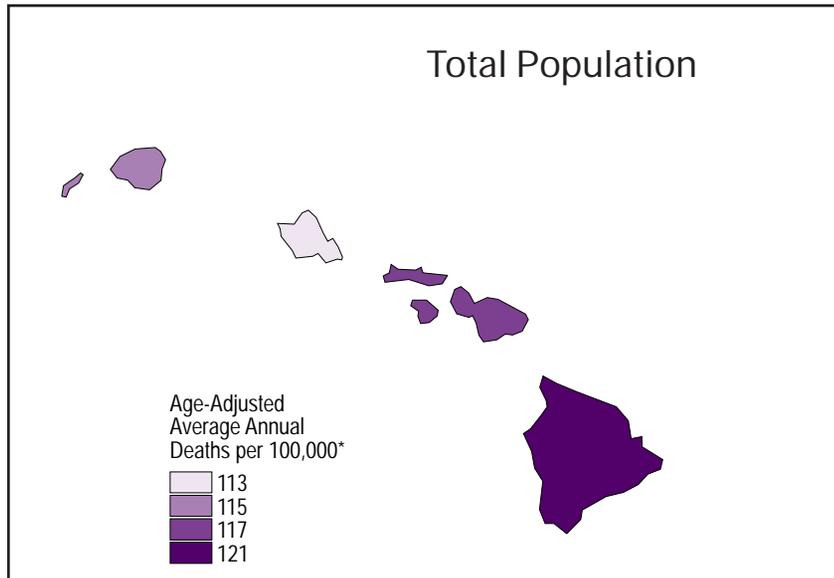
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,060	‡	77
Asians and Pacific Islanders	32,097	85	96
Blacks	491,907	171	153
Hispanics [§]	32,331	45	72
Whites	1,414,393	129	113
All Women	1,942,457	138	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,966	‡	80
Asians and Pacific Islanders	27,422	103	118
Blacks	379,904	219	182
Hispanics [§]	34,307	40	88
Whites	1,290,515	141	121
All Men	1,701,807	155	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,545	‡	79
Asians and Pacific Islanders	403,858	129	105
Blacks	10,656	74	166
Hispanics [§]	35,738	89	79
Whites	203,566	87	117
Total Population	620,625	116	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,231	‡	77
Asians and Pacific Islanders	214,449	113	96
Blacks	4,707	‡	153
Hispanics [§]	17,816	67	72
Whites	99,057	84	113
All Women	319,444	105	117

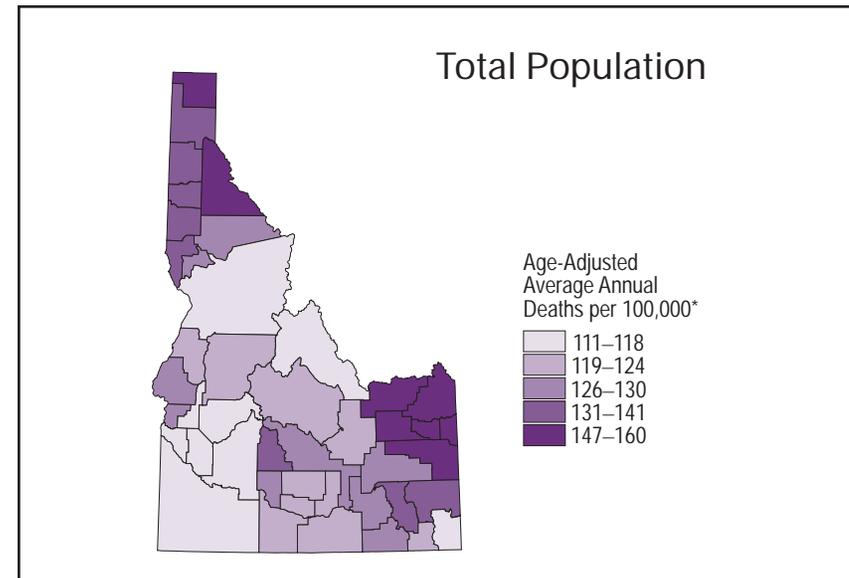
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,314	‡	80
Asians and Pacific Islanders	189,409	147	118
Blacks	5,949	‡	182
Hispanics [§]	17,922	111	88
Whites	104,509	86	121
All Men	301,181	129	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	6,033	119	79
Asians and Pacific Islanders	5,029	145	105
Blacks	2,244	†	166
Hispanics [§]	24,662	89	79
Whites	574,551	128	117
Total Population	587,857	129	121



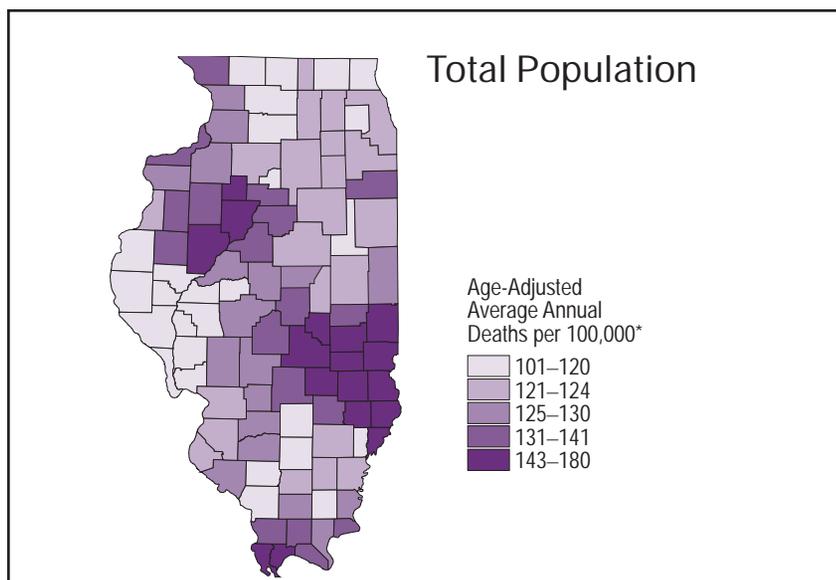
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,159	†	77
Asians and Pacific Islanders	2,828	†	96
Blacks	1,004	†	153
Hispanics [§]	11,635	77	72
Whites	294,314	130	113
All Women	301,305	130	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,874	†	80
Asians and Pacific Islanders	2,201	†	118
Blacks	1,240	†	182
Hispanics [§]	13,027	104	88
Whites	280,237	125	121
All Men	286,552	125	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[†]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	11,930	‡	79
Asians and Pacific Islanders	177,868	69	105
Blacks	763,896	153	166
Hispanics [§]	399,799	56	79
Whites	5,066,948	121	117
Total Population	6,020,642	125	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	6,101	‡	77
Asians and Pacific Islanders	94,488	61	96
Blacks	432,955	143	153
Hispanics [§]	197,533	49	72
Whites	2,675,419	115	113
All Women	3,208,963	118	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	5,829	‡	80
Asians and Pacific Islanders	83,380	79	118
Blacks	330,941	166	182
Hispanics [§]	202,266	65	88
Whites	2,391,529	129	121
All Men	2,811,679	133	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

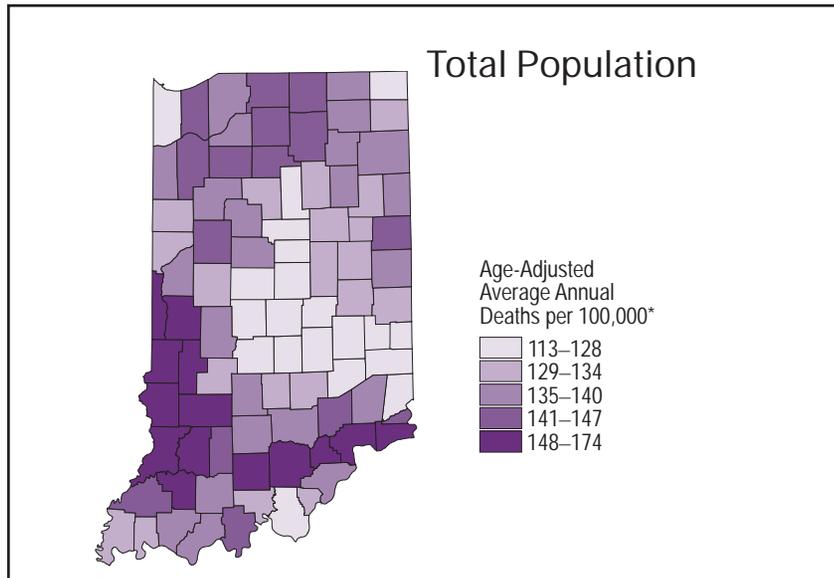
standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

African American men came from across the country to participate in the 1995 Million Man March in the District of Columbia to advocate for unity, atonement, and brotherhood.



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Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	6,646	‡	79
Asians and Pacific Islanders	21,843	57	105
Blacks	205,260	162	166
Hispanics [§]	50,036	60	79
Whites	2,742,701	136	117
Total Population	2,976,450	138	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,401	‡	77
Asians and Pacific Islanders	11,809	63	96
Blacks	113,629	151	153
Hispanics [§]	25,075	49	72
Whites	1,454,290	132	113
All Women	1,583,129	134	117

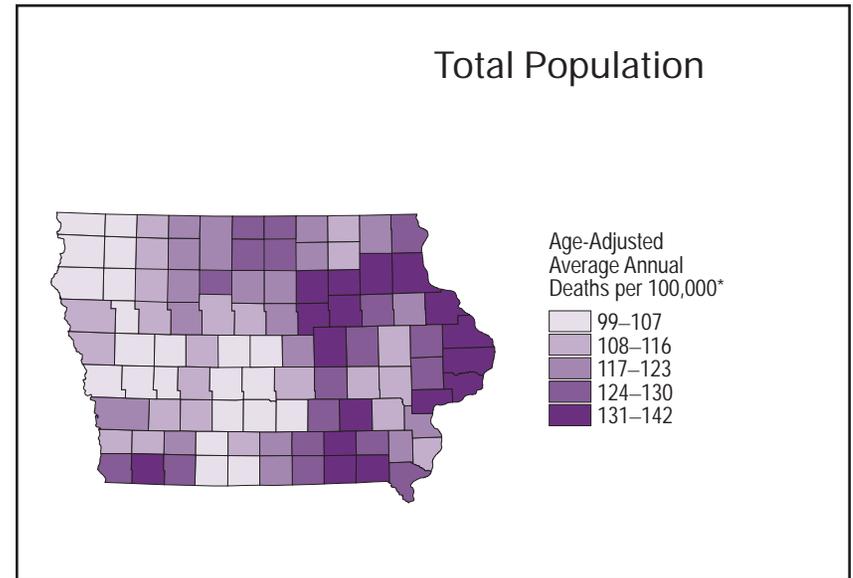
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,245	‡	80
Asians and Pacific Islanders	10,034	‡	118
Blacks	91,631	176	182
Hispanics [§]	24,961	74	88
Whites	1,288,411	139	121
All Men	1,393,321	141	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,869	‡	79
Asians and Pacific Islanders	10,741	103	105
Blacks	20,539	162	166
Hispanics [§]	16,550	61	79
Whites	1,463,128	118	117
Total Population	1,497,277	119	121



Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,503	‡	77
Asians and Pacific Islanders	5,807	‡	96
Blacks	10,490	128	153
Hispanics [§]	8,168	54	72
Whites	778,166	113	113
All Women	795,966	113	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,366	‡	80
Asians and Pacific Islanders	4,934	‡	118
Blacks	10,049	212	182
Hispanics [§]	8,382	‡	88
Whites	684,962	124	121
All Men	701,311	125	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.

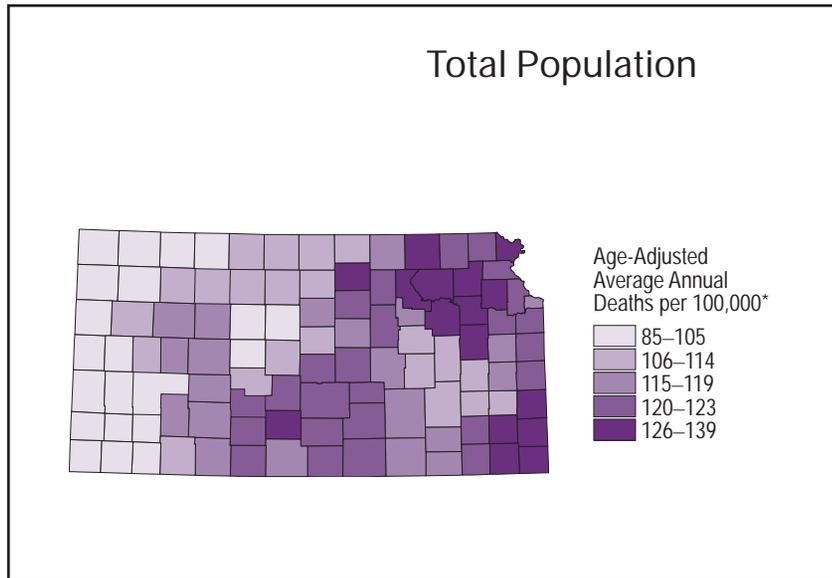
†Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.

‡Insufficient data to calculate a stroke death rate.

§Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	9,279	90	79
Asians and Pacific Islanders	16,019	88	105
Blacks	61,399	183	166
Hispanics [§]	43,299	79	79
Whites	1,242,261	118	117
Total Population	1,328,958	120	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,859	72	77
Asians and Pacific Islanders	9,023	84	96
Blacks	32,410	174	153
Hispanics [§]	21,181	70	72
Whites	653,848	114	113
All Women	700,140	116	117

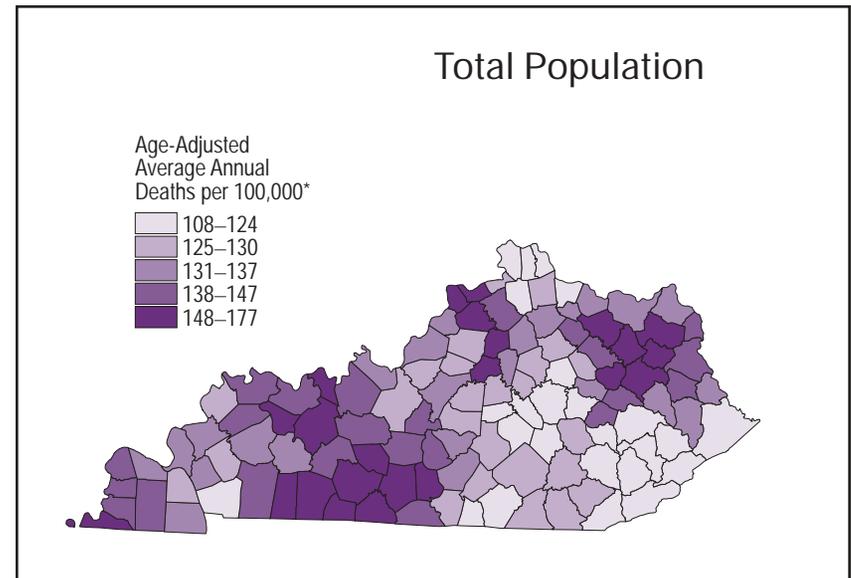
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,420	109	80
Asians and Pacific Islanders	6,996	†	118
Blacks	28,989	197	182
Hispanics [§]	22,118	88	88
Whites	588,413	122	121
All Men	628,818	125	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[†]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,763	‡	79
Asians and Pacific Islanders	10,449	87	105
Blacks	122,041	165	166
Hispanics [§]	10,712	87	79
Whites	1,874,871	132	117
Total Population	2,010,124	133	121



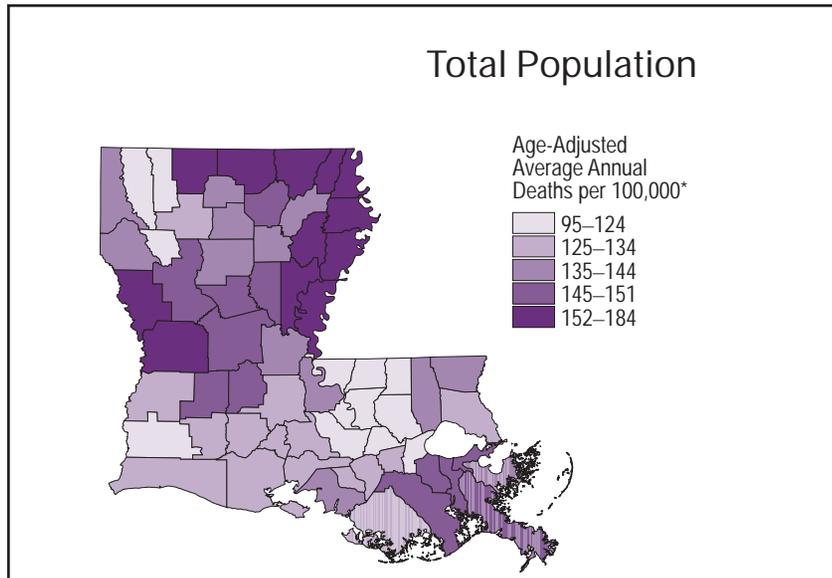
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,419	‡	77
Asians and Pacific Islanders	5,721	‡	96
Blacks	68,439	158	153
Hispanics [§]	5,498	91	72
Whites	996,724	127	113
All Women	1,072,303	128	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,344	‡	80
Asians and Pacific Islanders	4,728	‡	118
Blacks	53,602	172	182
Hispanics [§]	5,214	‡	88
Whites	878,147	138	121
All Men	937,821	140	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	7,958	79	79
Asians and Pacific Islanders	21,132	88	105
Blacks	564,526	172	166
Hispanics [§]	50,792	55	79
Whites	1,510,022	121	117
Total Population	2,103,638	133	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,009	‡	77
Asians and Pacific Islanders	11,206	82	96
Blacks	320,128	155	153
Hispanics [§]	26,611	45	72
Whites	797,703	116	113
All Women	1,133,046	126	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,949	‡	80
Asians and Pacific Islanders	9,926	95	118
Blacks	244,398	197	182
Hispanics [§]	24,181	72	88
Whites	712,319	128	121
All Men	970,592	143	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

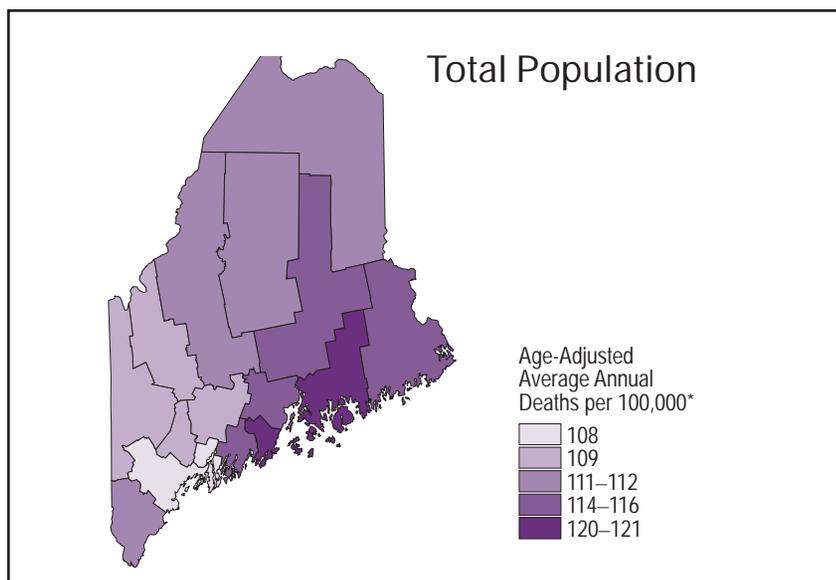
standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Members of an employee bowling league
enjoy an outing in Atlanta, Georgia.



Greg Knobloch/CDC

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,306	‡	79
Asians and Pacific Islanders	3,475	‡	105
Blacks	2,083	‡	166
Hispanics [§]	3,116	‡	79
Whites	667,805	111	117
Total Population	675,669	111	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,150	‡	77
Asians and Pacific Islanders	1,984	‡	96
Blacks	896	‡	153
Hispanics [§]	1,646	‡	72
Whites	351,557	105	113
All Women	355,587	105	117

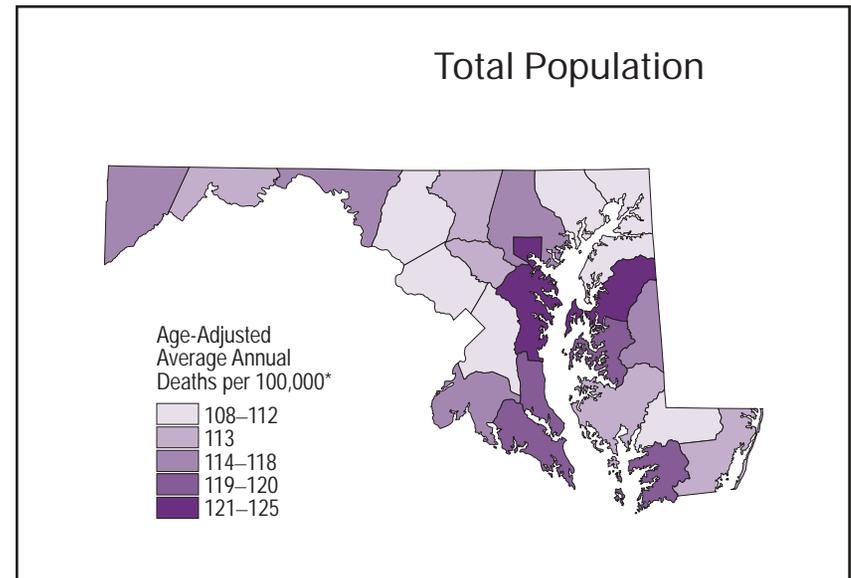
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,156	‡	80
Asians and Pacific Islanders	1,491	‡	118
Blacks	1,187	‡	182
Hispanics [§]	1,470	‡	88
Whites	316,248	119	121
All Men	320,082	119	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	7,082	70	79
Asians and Pacific Islanders	92,238	92	105
Blacks	632,523	145	166
Hispanics [§]	71,398	22	79
Whites	1,884,306	110	117
Total Population	2,616,149	117	121



Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,606	‡	77
Asians and Pacific Islanders	49,347	94	96
Blacks	350,491	134	153
Hispanics [§]	37,603	23	72
Whites	984,813	106	113
All Women	1,388,257	112	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,476	‡	80
Asians and Pacific Islanders	42,891	90	118
Blacks	282,032	159	182
Hispanics [§]	33,795	22	88
Whites	899,493	113	121
All Men	1,227,892	122	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.

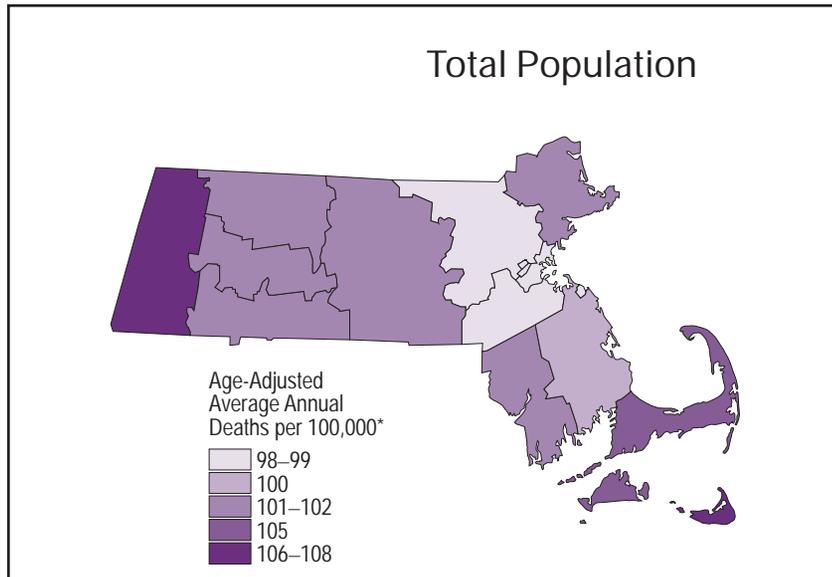
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.

[‡]Insufficient data to calculate a stroke death rate.

[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	6,101	‡	79
Asians and Pacific Islanders	78,066	87	105
Blacks	145,793	125	166
Hispanics [§]	117,093	51	79
Whites	2,974,102	99	117
Total Population	3,204,062	100	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,199	‡	77
Asians and Pacific Islanders	40,702	82	96
Blacks	78,707	121	153
Hispanics [§]	62,141	45	72
Whites	1,601,110	96	113
All Women	1,723,718	97	117

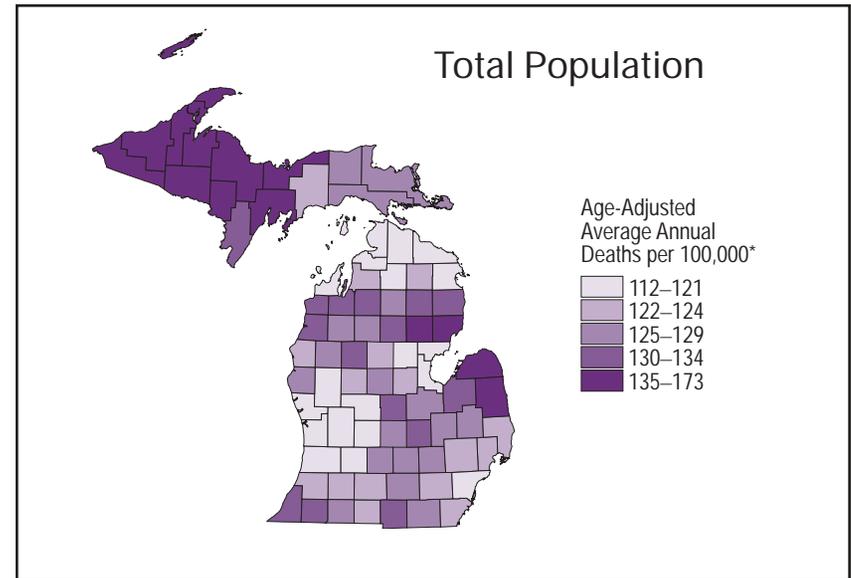
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,902	‡	80
Asians and Pacific Islanders	37,364	96	118
Blacks	67,086	124	182
Hispanics [§]	54,952	59	88
Whites	1,372,992	101	121
All Men	1,480,344	102	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	23,903	160	79
Asians and Pacific Islanders	60,889	91	105
Blacks	594,774	151	166
Hispanics [§]	89,839	79	79
Whites	4,275,967	121	117
Total Population	4,955,533	124	121



Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	12,534	181	77
Asians and Pacific Islanders	32,163	86	96
Blacks	333,768	141	153
Hispanics [§]	45,399	68	72
Whites	2,246,945	117	113
All Women	2,625,410	120	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	11,369	124	80
Asians and Pacific Islanders	28,726	97	118
Blacks	261,006	162	182
Hispanics [§]	44,440	95	88
Whites	2,029,022	125	121
All Men	2,330,123	129	126

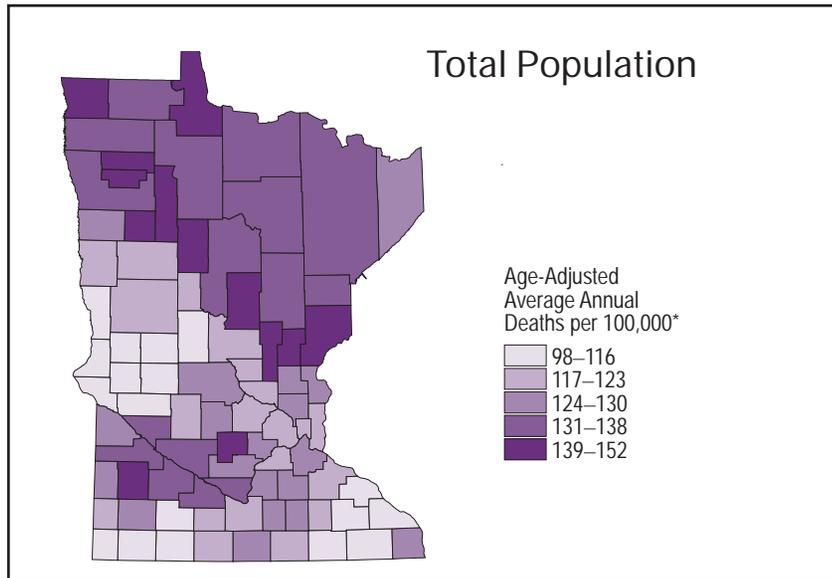
*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.

[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.

[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



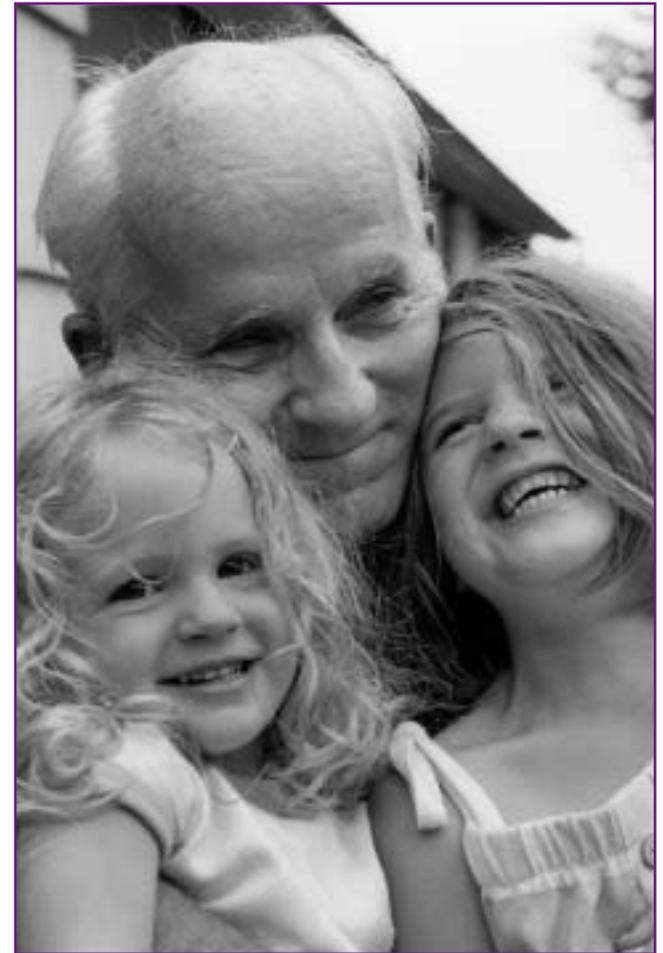
Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	18,298	102	79
Asians and Pacific Islanders	34,210	141	105
Blacks	45,784	158	166
Hispanics [§]	25,751	81	79
Whites	2,279,044	124	117
Total Population	2,377,336	125	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	9,603	97	77
Asians and Pacific Islanders	18,167	132	96
Blacks	22,050	155	153
Hispanics [§]	12,633	65	72
Whites	1,190,024	117	113
All Women	1,239,844	118	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	8,695	109	80
Asians and Pacific Islanders	16,043	154	118
Blacks	23,734	157	182
Hispanics [§]	13,118	107	88
Whites	1,089,020	131	121
All Men	1,137,492	132	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

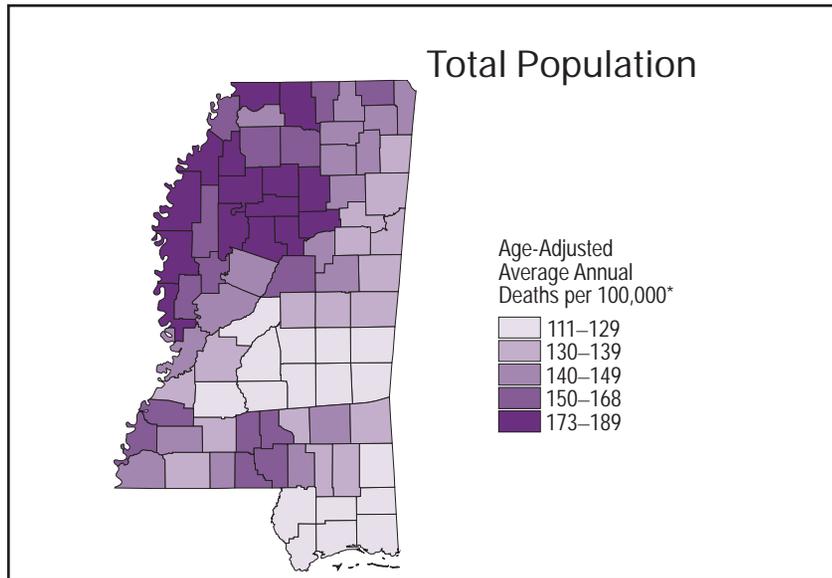
standard 2000 U.S. population.
[§]Includes data for Hispanics in all racial groups.



A New York man hugs his granddaughters.

© Rick Reinhard

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,495	139	79
Asians and Pacific Islanders	6,827	91	105
Blacks	388,462	183	166
Hispanics [§]	8,337	†	79
Whites	915,397	125	117
Total Population	1,314,181	140	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,853	†	77
Asians and Pacific Islanders	3,890	†	96
Blacks	220,343	162	153
Hispanics [§]	4,350	†	72
Whites	487,332	118	113
All Women	713,418	130	117

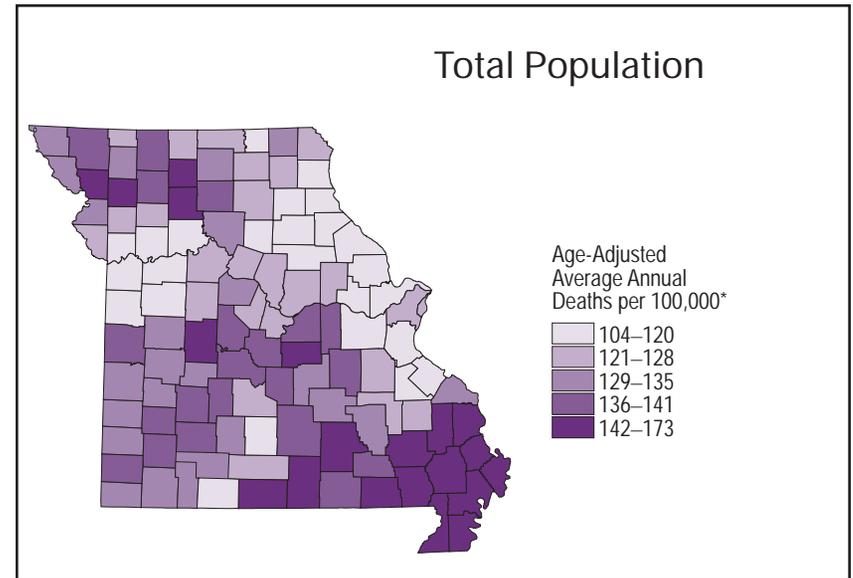
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,642	†	80
Asians and Pacific Islanders	2,937	†	118
Blacks	168,119	212	182
Hispanics [§]	3,987	†	88
Whites	428,065	134	121
All Men	600,763	153	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	9,418	32	79
Asians and Pacific Islanders	22,700	115	105
Blacks	251,814	156	166
Hispanics [§]	30,845	82	79
Whites	2,505,179	124	117
Total Population	2,789,111	127	121



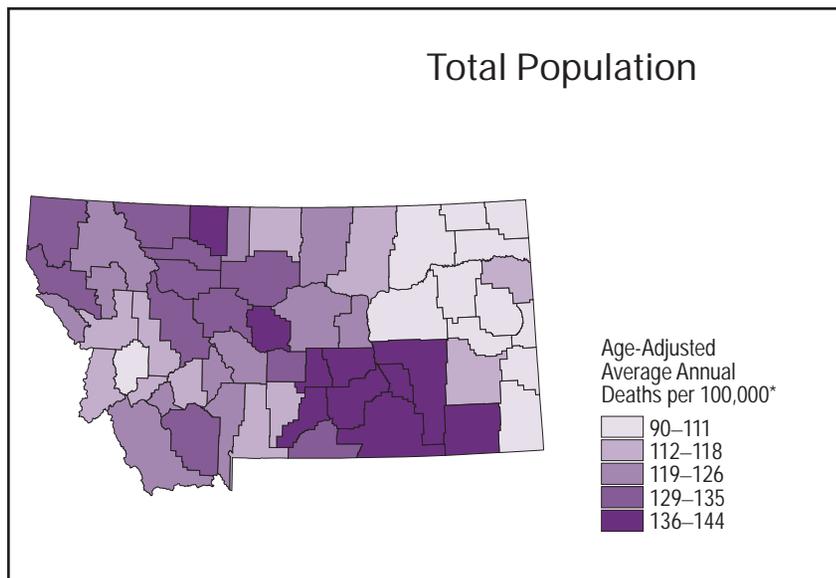
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,874	‡	77
Asians and Pacific Islanders	12,427	114	96
Blacks	143,196	139	153
Hispanics [§]	15,904	84	72
Whites	1,332,903	120	113
All Women	1,493,400	122	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,544	‡	80
Asians and Pacific Islanders	10,273	116	118
Blacks	108,618	180	182
Hispanics [§]	14,941	76	88
Whites	1,172,276	130	121
All Men	1,295,711	134	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	18,010	149	79
Asians and Pacific Islanders	1,769	‡	105
Blacks	966	‡	166
Hispanics [§]	5,704	108	79
Whites	449,085	123	117
Total Population	469,830	124	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	9,506	145	77
Asians and Pacific Islanders	1,102	‡	96
Blacks	415	‡	153
Hispanics [§]	2,896	‡	72
Whites	229,755	120	113
All Women	240,778	122	117

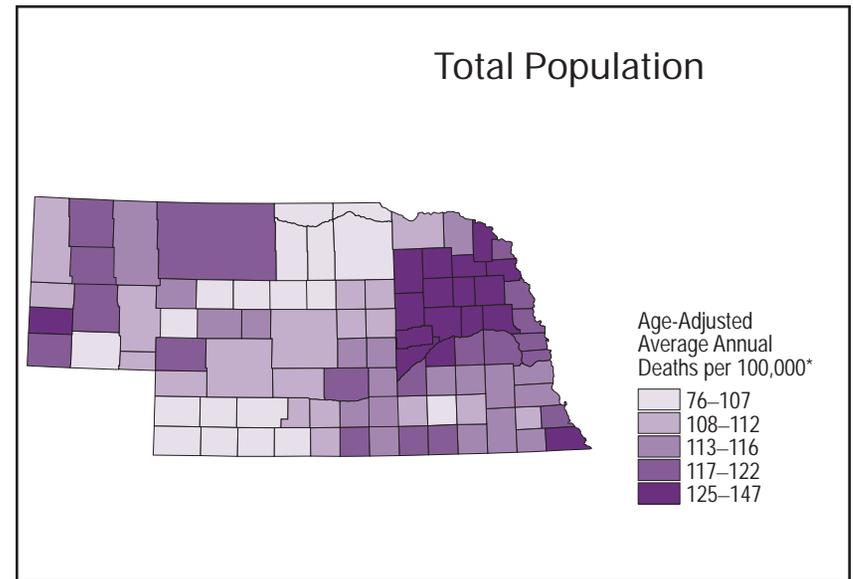
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	8,504	152	80
Asians and Pacific Islanders	667	‡	118
Blacks	551	‡	182
Hispanics [§]	2,808	‡	88
Whites	219,330	124	121
All Men	229,052	125	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,448	169	79
Asians and Pacific Islanders	6,646	‡	105
Blacks	24,917	176	166
Hispanics [§]	21,033	51	79
Whites	802,211	116	117
Total Population	838,222	117	121



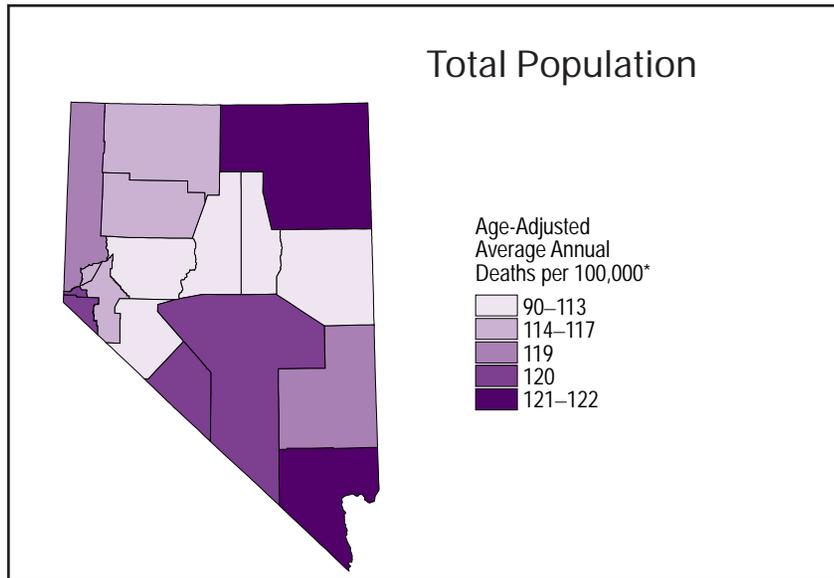
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,416	‡	77
Asians and Pacific Islanders	3,712	‡	96
Blacks	13,436	157	153
Hispanics [§]	10,388	‡	72
Whites	423,009	109	113
All Women	442,573	110	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,032	296	80
Asians and Pacific Islanders	2,934	‡	118
Blacks	11,481	203	182
Hispanics [§]	10,645	68	88
Whites	379,202	125	121
All Men	395,649	127	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	13,110	51	79
Asians and Pacific Islanders	36,169	112	105
Blacks	54,073	154	166
Hispanics [§]	90,437	49	79
Whites	773,114	117	117
Total Population	876,466	118	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	6,696	‡	77
Asians and Pacific Islanders	20,426	94	96
Blacks	27,654	148	153
Hispanics [§]	44,174	46	72
Whites	380,556	115	113
All Women	435,332	115	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	6,414	‡	80
Asians and Pacific Islanders	15,743	134	118
Blacks	26,419	156	182
Hispanics [§]	46,263	50	88
Whites	392,558	118	121
All Men	441,134	119	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

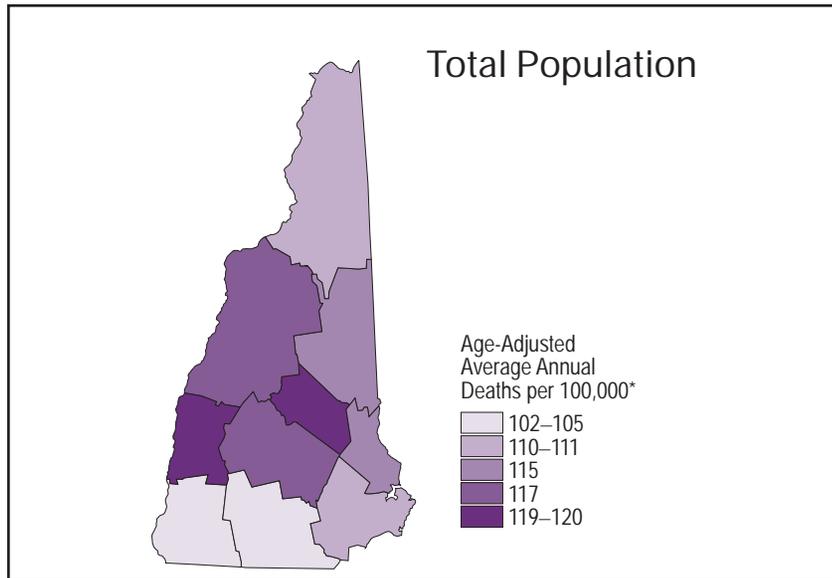
standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Senior citizens dance in Seattle, Washington.



© Jim West

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	987	‡	79
Asians and Pacific Islanders	5,394	‡	105
Blacks	3,311	‡	166
Hispanics [§]	6,047	‡	79
Whites	598,831	118	117
Total Population	608,523	118	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	514	‡	77
Asians and Pacific Islanders	2,901	‡	96
Blacks	1,440	‡	153
Hispanics [§]	3,045	‡	72
Whites	310,929	116	113
All Women	315,784	116	117

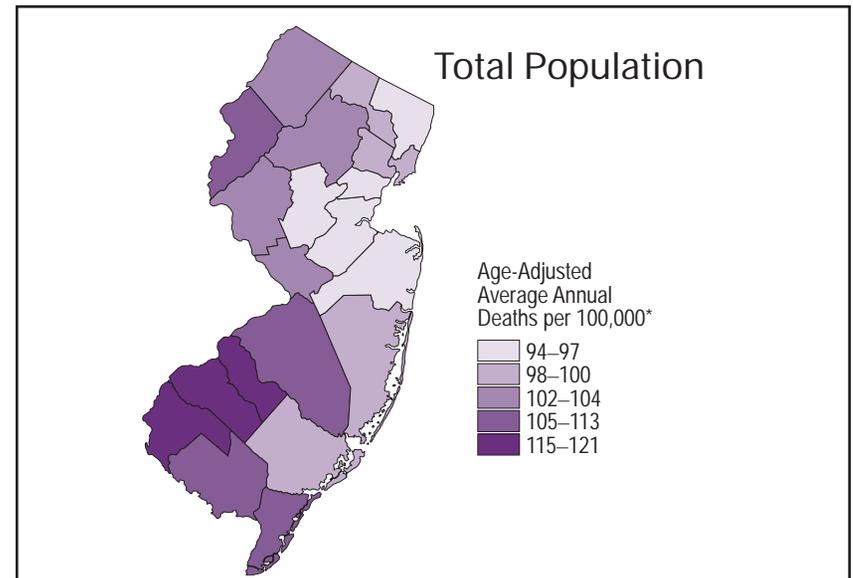
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	473	‡	80
Asians and Pacific Islanders	2,493	‡	118
Blacks	1,871	‡	182
Hispanics [§]	3,002	‡	88
Whites	287,902	117	121
All Men	292,739	117	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	9,626	53	79
Asians and Pacific Islanders	204,817	59	105
Blacks	516,221	141	166
Hispanics [§]	404,607	54	79
Whites	3,563,224	97	117
Total Population	4,293,888	101	121



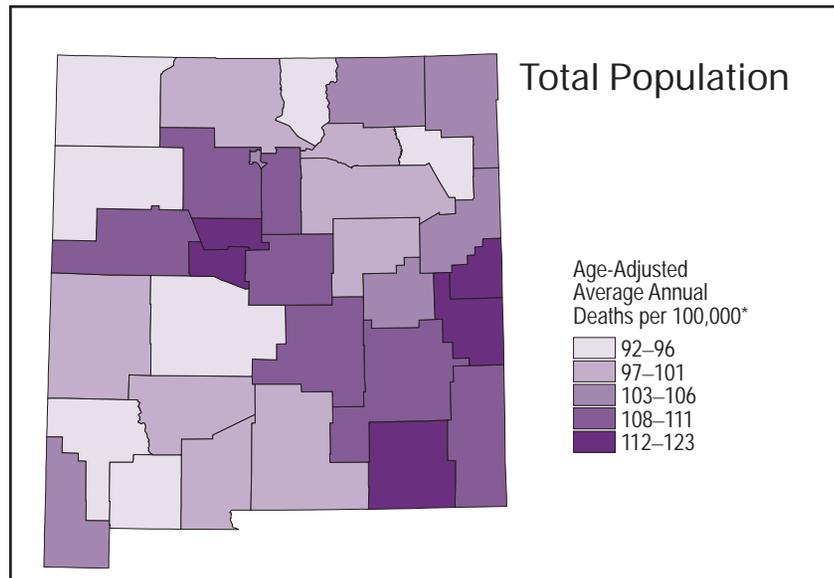
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	5,019	‡	77
Asians and Pacific Islanders	107,664	58	96
Blacks	287,779	135	153
Hispanics [§]	212,915	49	72
Whites	1,896,965	92	113
All Women	2,297,427	96	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,607	‡	80
Asians and Pacific Islanders	97,153	59	118
Blacks	228,442	147	182
Hispanics [§]	191,692	61	88
Whites	1,666,259	102	121
All Men	1,996,461	106	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	54,153	85	79
Asians and Pacific Islanders	9,922	108	105
Blacks	18,877	107	166
Hispanics [§]	285,305	106	79
Whites	760,509	106	117
Total Population	843,461	105	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	29,592	75	77
Asians and Pacific Islanders	5,750	†	96
Blacks	9,302	107	153
Hispanics [§]	147,733	101	72
Whites	395,350	106	113
All Women	439,994	105	117

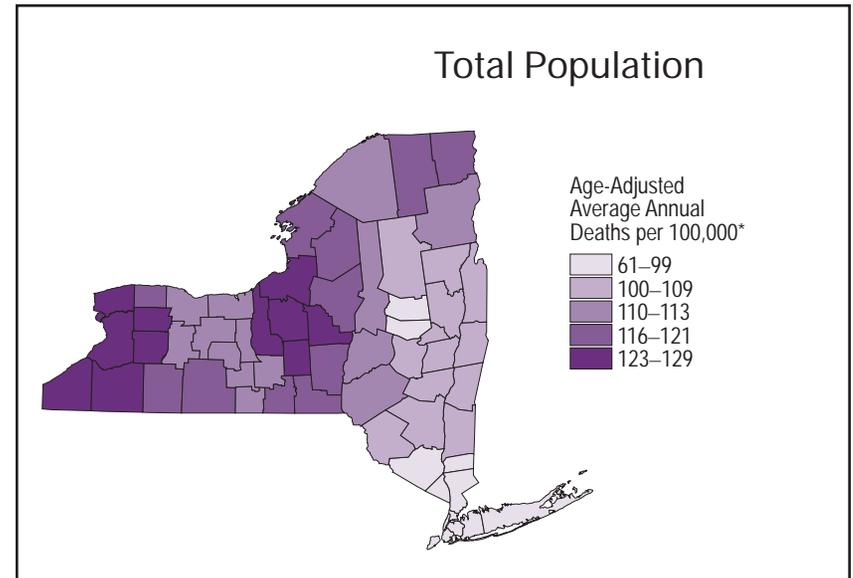
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	24,561	100	80
Asians and Pacific Islanders	4,172	†	118
Blacks	9,575	104	182
Hispanics [§]	137,572	111	88
Whites	365,159	104	121
All Men	403,467	104	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[†]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	32,679	48	79
Asians and Pacific Islanders	453,493	59	105
Blacks	1,423,231	95	166
Hispanics [§]	1,043,844	54	79
Whites	7,478,532	87	117
Total Population	9,387,935	89	121



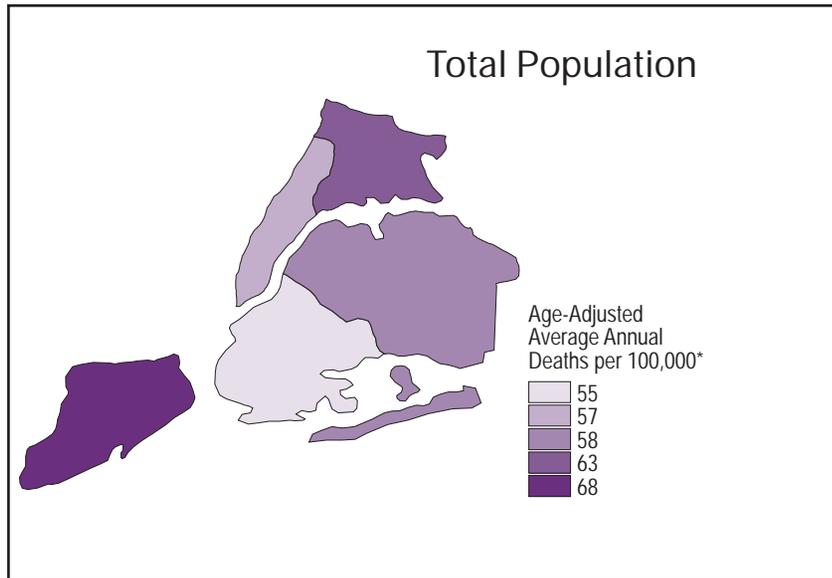
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	17,253	44	77
Asians and Pacific Islanders	234,222	57	96
Blacks	813,464	90	153
Hispanics [§]	573,202	49	72
Whites	4,006,724	84	113
All Women	5,071,663	85	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	15,426	54	80
Asians and Pacific Islanders	219,271	60	118
Blacks	609,767	101	182
Hispanics [§]	470,642	61	88
Whites	3,471,808	90	121
All Men	4,316,272	91	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	City Population 1998	City Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	14,894	‡	79
Asians and Pacific Islanders	337,658	61	105
Blacks	1,059,935	85	166
Hispanics [§]	839,003	54	79
Whites	2,338,518	56	117
Total Population	3,751,005	63	121

Women			
Race and Ethnicity	City Population 1998	City Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	7,996	‡	77
Asians and Pacific Islanders	172,939	57	96
Blacks	618,540	81	153
Hispanics [§]	470,513	49	72
Whites	1,280,216	53	113
All Women	2,079,691	60	117

Men			
Race and Ethnicity	City Population 1998	City Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	6,898	‡	80
Asians and Pacific Islanders	164,719	65	118
Blacks	441,395	90	182
Hispanics [§]	368,520	59	88
Whites	1,058,302	59	121
All Men	1,671,314	66	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

New York City

During 1991–1993, information on Hispanic origin was not reported on an average 18% of stroke death certificates for adults ages 35 years and older residing in New York City. During 1994–1998, the percentage of death certificates missing this information decreased to <3%. After examining New York City death certificate data for 1991–1998, we concluded that most deaths with “unknown” Hispanic origin occurred among non-Hispanic adults. Our calculations indicated that the percentage of stroke deaths among Hispanic adults increased slightly from 1991–1993 to 1994–1998, whereas the percentage of stroke deaths for non-Hispanic adults increased markedly after reporting improved in 1994.

However, because a proportion of the deaths with missing Hispanic origin data occurred among Hispanic adults, the stroke death rates reported here for Hispanic adults are likely underestimated. Erroneous reporting of Hispanics as whites on death certificates also causes rates to be underestimated for Hispanics (see Section 1). The extent of underestimation may have varied among the five city boroughs, so readers should be prudent when comparing county rates.

Distribution of Stroke Deaths by Hispanic Origin Among Persons Ages ≥ 35 Years, New York City

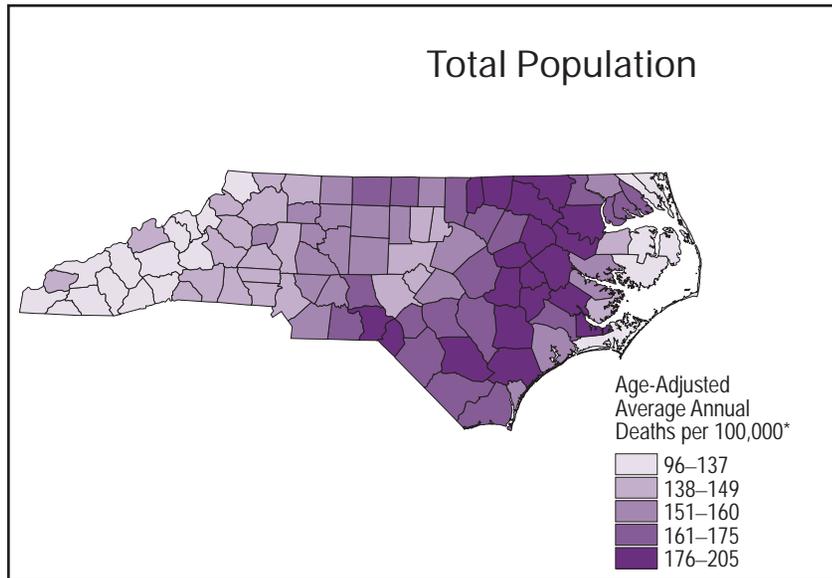
Year	Hispanic Origin		
	Non-Hispanic	Hispanic	Unknown
1991	73.8%	9.9%	16.4%
1992	69.3%	11.7%	19.0%
1993	69.0%	11.4%	19.6%
1994	84.6%	13.2%	2.3%
1995	83.3%	15.2%	1.5%
1996	82.6%	15.9%	1.6%
1997	83.9%	14.2%	1.9%
1998	82.4%	15.9%	1.8%

A carpenter works on the new International Brotherhood of Carpenters headquarters in the District of Columbia.



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Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	37,358	145	79
Asians and Pacific Islanders	36,477	75	105
Blacks	712,268	210	166
Hispanics [§]	44,009	26	79
Whites	3,016,773	143	117
Total Population	3,802,876	155	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	19,729	133	77
Asians and Pacific Islanders	20,259	86	96
Blacks	401,959	190	153
Hispanics [§]	21,230	25	72
Whites	1,601,323	136	113
All Women	2,043,270	145	117

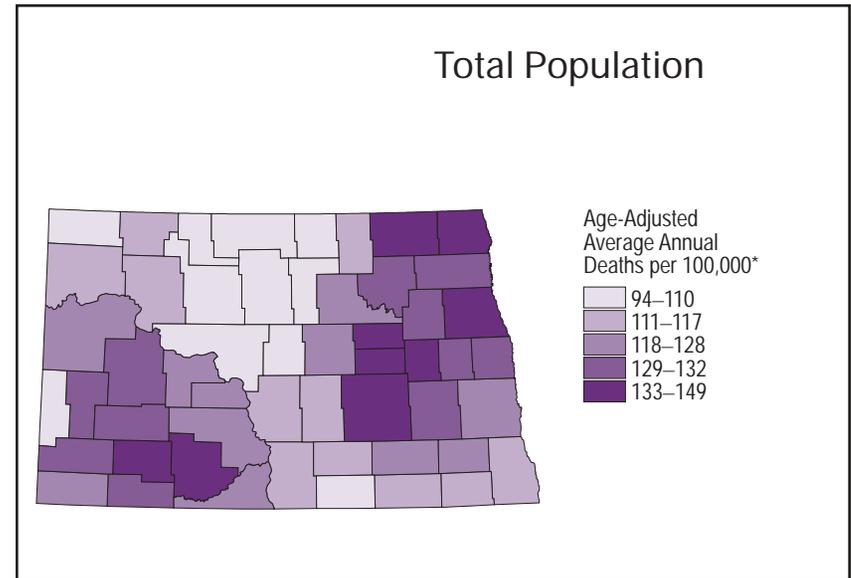
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	17,629	162	80
Asians and Pacific Islanders	16,218	59	118
Blacks	310,309	239	182
Hispanics [§]	22,779	†	88
Whites	1,415,450	152	121
All Men	1,759,606	166	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	8,301	141	79
Asians and Pacific Islanders	1,589	†	105
Blacks	972	†	166
Hispanics [§]	1,628	†	79
Whites	315,511	121	117
Total Population	326,373	122	121



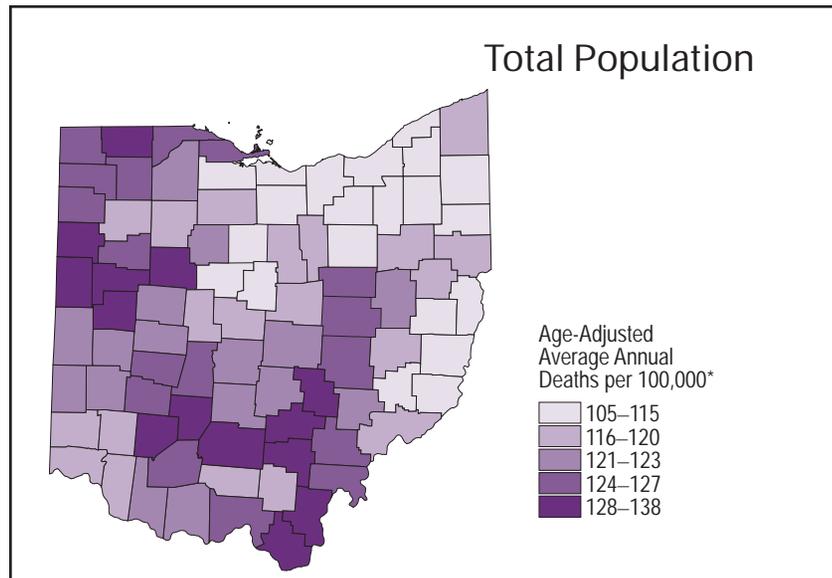
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,583	134	77
Asians and Pacific Islanders	897	†	96
Blacks	426	†	153
Hispanics [§]	839	†	72
Whites	163,153	111	113
All Women	169,059	111	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,718	153	80
Asians and Pacific Islanders	692	†	118
Blacks	546	†	182
Hispanics [§]	789	†	88
Whites	152,358	135	121
All Men	157,314	136	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[†]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total

Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	10,784	‡	79
Asians and Pacific Islanders	52,750	69	105
Blacks	553,737	146	166
Hispanics [§]	63,933	58	79
Whites	5,150,152	115	117
Total Population	5,767,423	117	121

Women

Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	5,562	‡	77
Asians and Pacific Islanders	28,263	63	96
Blacks	310,818	135	153
Hispanics [§]	33,114	55	72
Whites	2,744,441	110	113
All Women	3,089,084	112	117

Men

Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	5,222	‡	80
Asians and Pacific Islanders	24,487	78	118
Blacks	242,919	161	182
Hispanics [§]	30,819	62	88
Whites	2,405,711	120	121
All Men	2,678,339	123	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.

[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

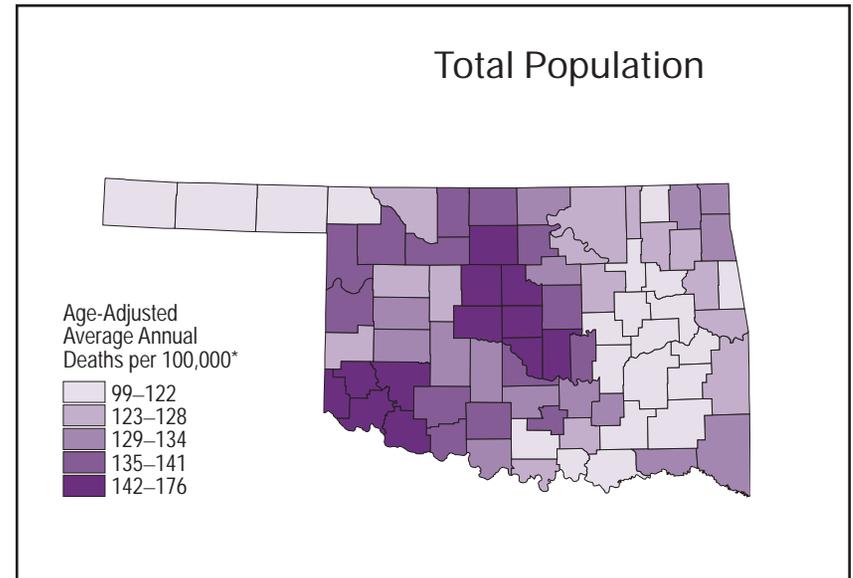
standard 2000 U.S. population.

[‡]Insufficient data to calculate a stroke death rate.

[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	102,535	67	79
Asians and Pacific Islanders	16,925	124	105
Blacks	103,268	165	166
Hispanics [§]	39,600	18	79
Whites	1,472,070	133	117
Total Population	1,694,798	131	121



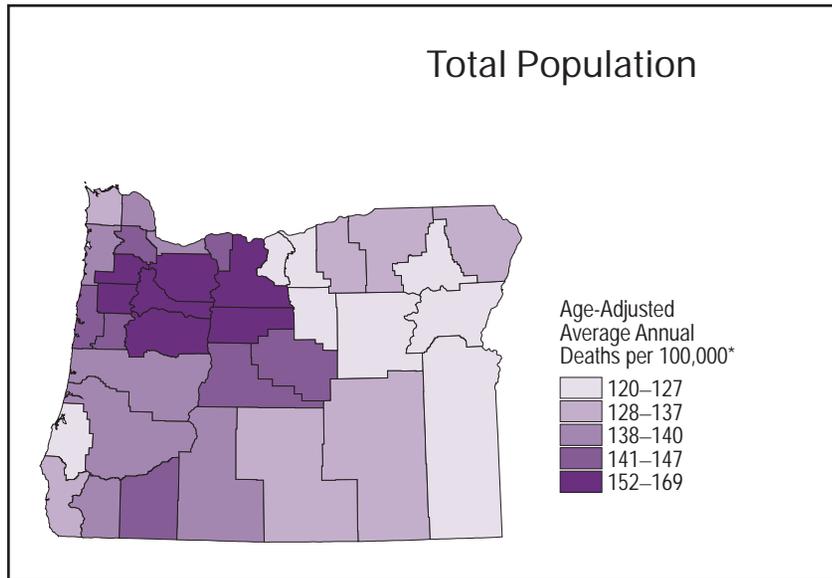
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	55,676	64	77
Asians and Pacific Islanders	9,632	126	96
Blacks	56,281	155	153
Hispanics [§]	19,644	†	72
Whites	780,337	131	113
All Women	901,926	128	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	46,859	69	80
Asians and Pacific Islanders	7,293	120	118
Blacks	46,987	178	182
Hispanics [§]	19,956	†	88
Whites	691,733	135	121
All Men	792,872	134	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	18,380	111	79
Asians and Pacific Islanders	41,042	129	105
Blacks	23,839	209	166
Hispanics [§]	57,711	75	79
Whites	1,644,771	145	117
Total Population	1,728,032	146	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	9,573	113	77
Asians and Pacific Islanders	22,467	145	96
Blacks	11,420	195	153
Hispanics [§]	27,365	68	72
Whites	854,890	143	113
All Women	898,350	144	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	8,807	105	80
Asians and Pacific Islanders	18,575	110	118
Blacks	12,419	225	182
Hispanics [§]	30,346	83	88
Whites	789,881	146	121
All Men	829,682	146	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

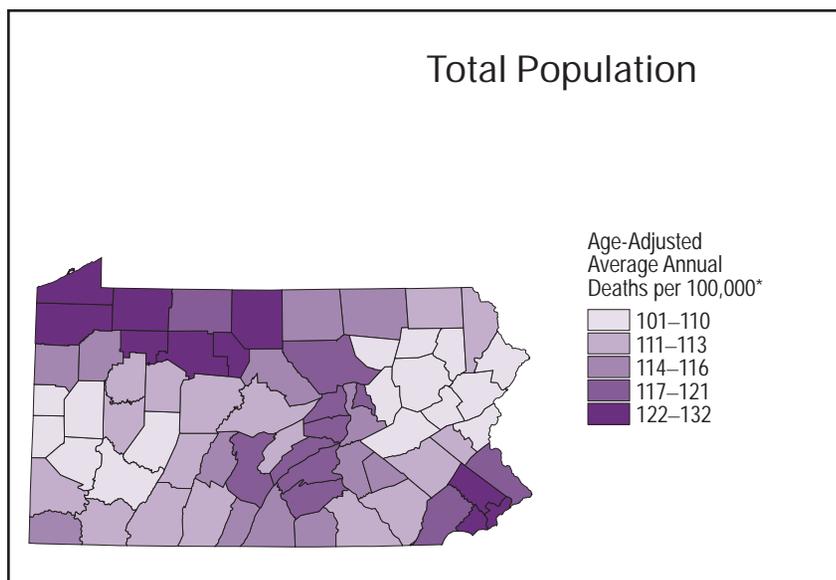
standard 2000 U.S. population.
[§]Includes data for Hispanics in all racial groups.

A high school principal attends a rally to support immigrants' rights and Latino voter registration in the District of Columbia.



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Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	7,873	40	79
Asians and Pacific Islanders	79,509	86	105
Blacks	515,730	149	166
Hispanics [§]	106,240	89	79
Whites	5,899,121	113	117
Total Population	6,502,233	116	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,040	‡	77
Asians and Pacific Islanders	42,476	86	96
Blacks	292,502	139	153
Hispanics [§]	55,247	80	72
Whites	3,169,892	109	113
All Women	3,508,910	111	117

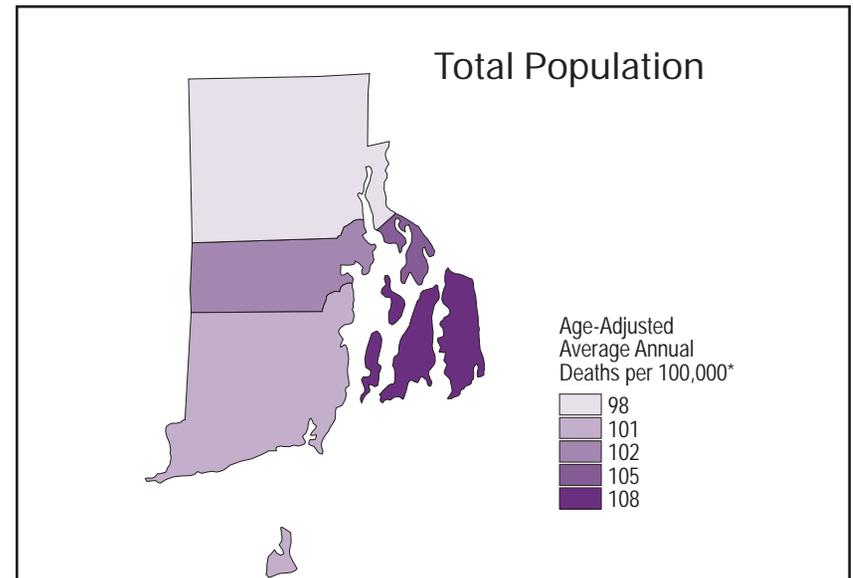
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,833	‡	80
Asians and Pacific Islanders	37,033	85	118
Blacks	223,228	161	182
Hispanics [§]	50,993	100	88
Whites	2,729,229	118	121
All Men	2,993,323	121	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,770	‡	79
Asians and Pacific Islanders	7,850	98	105
Blacks	18,251	157	166
Hispanics [§]	21,264	37	79
Whites	489,482	102	117
Total Population	517,353	103	121



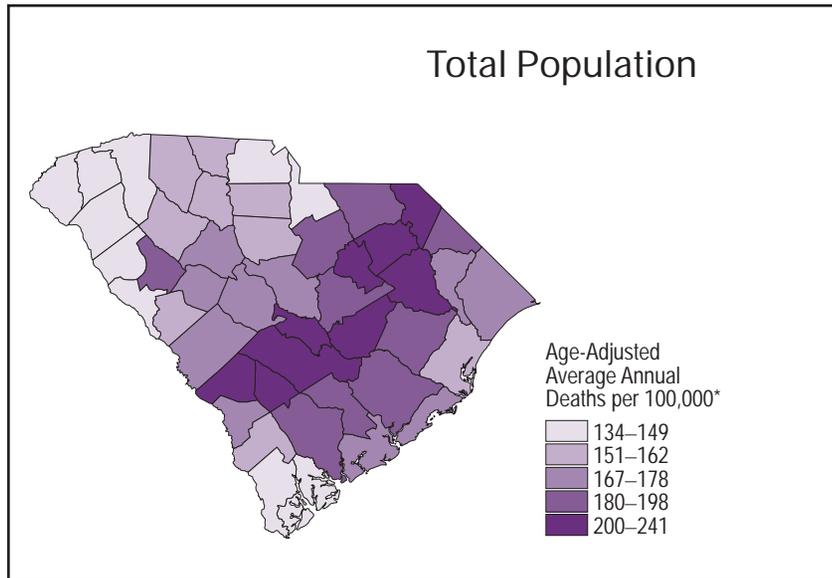
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	967	‡	77
Asians and Pacific Islanders	4,131	‡	96
Blacks	9,661	161	153
Hispanics [§]	11,238	42	72
Whites	265,599	98	113
All Women	280,358	99	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	803	‡	80
Asians and Pacific Islanders	3,719	‡	118
Blacks	8,590	144	182
Hispanics [§]	10,026	‡	88
Whites	223,883	104	121
All Men	236,995	105	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,744	‡	79
Asians and Pacific Islanders	13,733	61	105
Blacks	489,945	237	166
Hispanics [§]	16,669	‡	79
Whites	1,424,035	149	117
Total Population	1,931,457	169	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,946	‡	77
Asians and Pacific Islanders	7,920	‡	96
Blacks	275,747	209	153
Hispanics [§]	8,557	‡	72
Whites	750,892	144	113
All Women	1,036,505	159	117

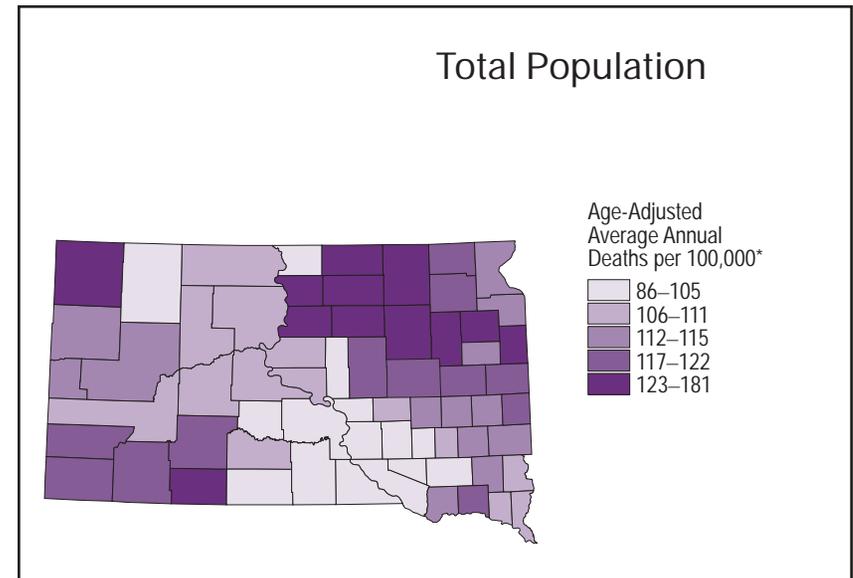
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,798	‡	80
Asians and Pacific Islanders	5,813	‡	118
Blacks	214,198	277	182
Hispanics [§]	8,112	‡	88
Whites	673,143	152	121
All Men	894,952	178	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	15,025	165	79
Asians and Pacific Islanders	1,387	†	105
Blacks	1,378	†	166
Hispanics [§]	2,423	†	79
Whites	348,904	115	117
Total Population	366,694	116	121



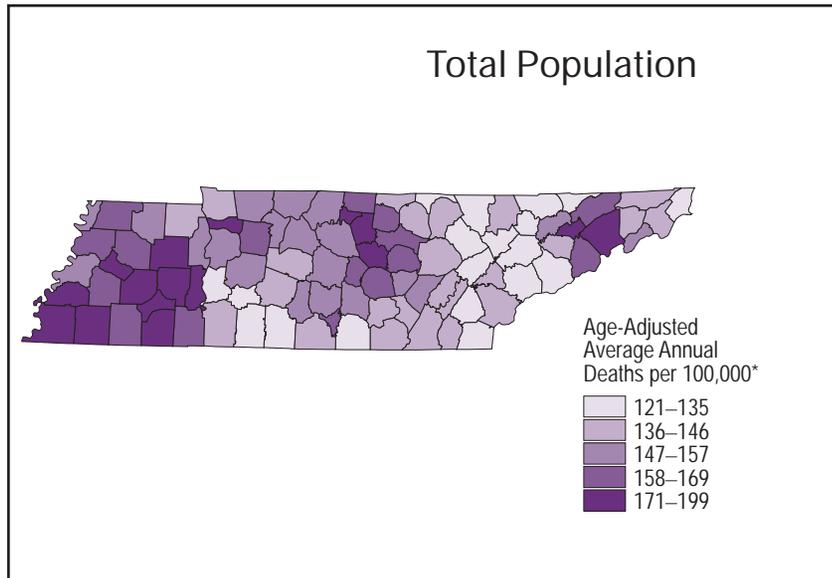
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	8,173	139	77
Asians and Pacific Islanders	864	†	96
Blacks	482	†	153
Hispanics [§]	1,206	†	72
Whites	181,889	107	113
All Women	191,408	108	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	6,852	198	80
Asians and Pacific Islanders	523	†	118
Blacks	896	†	182
Hispanics [§]	1,217	†	88
Whites	167,015	125	121
All Men	175,286	127	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[†]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	5,560	‡	79
Asians and Pacific Islanders	21,015	107	105
Blacks	372,168	220	166
Hispanics [§]	20,731	85	79
Whites	2,396,499	148	117
Total Population	2,795,242	156	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,854	‡	77
Asians and Pacific Islanders	11,525	98	96
Blacks	212,016	198	153
Hispanics [§]	10,352	67	72
Whites	1,273,535	143	113
All Women	1,499,930	149	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	2,706	‡	80
Asians and Pacific Islanders	9,490	121	118
Blacks	160,152	254	182
Hispanics [§]	10,379	113	88
Whites	1,122,964	154	121
All Men	1,295,312	165	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

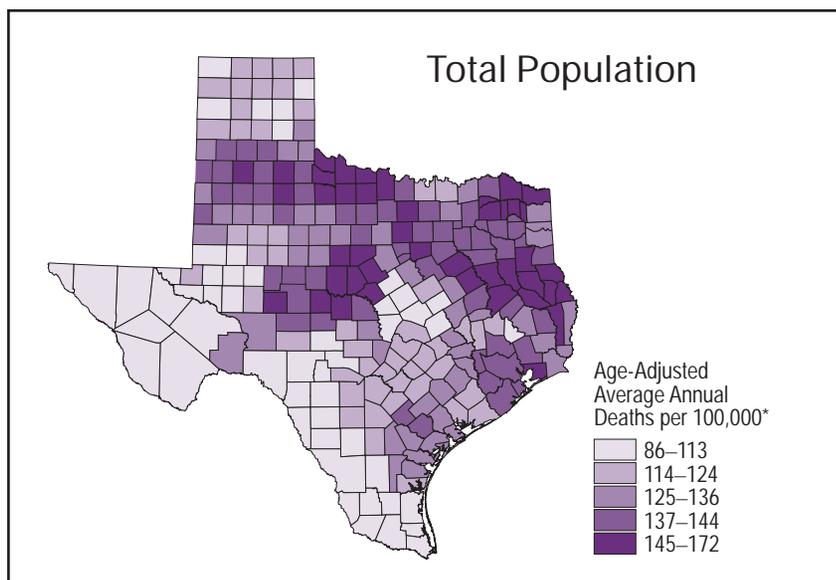
standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

A woman participates in one of the musical activities held weekly at a city-run senior center in Albuquerque, New Mexico.



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Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	41,732	13	79
Asians and Pacific Islanders	229,438	80	105
Blacks	999,293	182	166
Hispanics [§]	2,033,336	100	79
Whites	7,935,437	126	117
Total Population	9,205,900	130	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	21,003	‡	77
Asians and Pacific Islanders	122,232	78	96
Blacks	541,658	170	153
Hispanics [§]	1,055,918	89	72
Whites	4,144,947	122	113
All Women	4,829,840	126	117

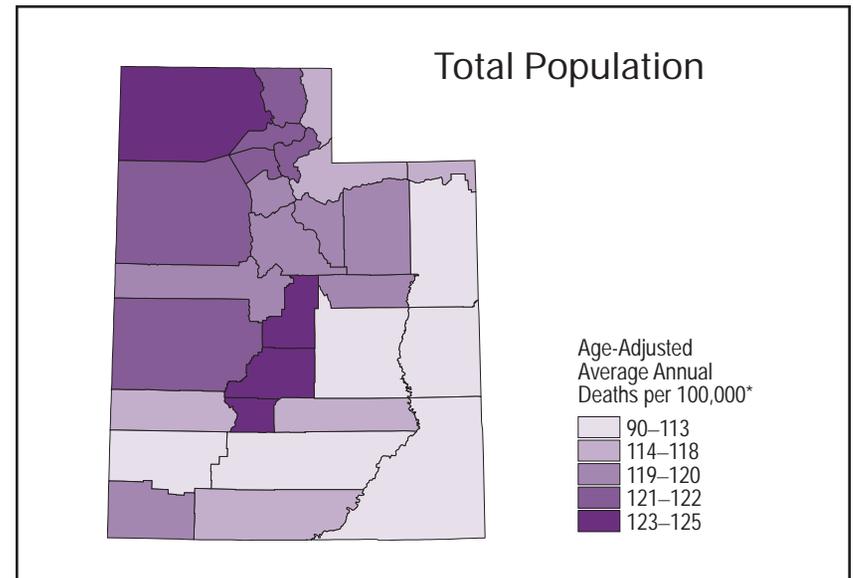
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	20,729	‡	80
Asians and Pacific Islanders	107,206	82	118
Blacks	457,635	199	182
Hispanics [§]	977,418	113	88
Whites	3,790,490	128	121
All Men	4,376,060	134	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	8,659	61	79
Asians and Pacific Islanders	16,507	113	105
Blacks	5,697	170	166
Hispanics [§]	40,679	98	79
Whites	783,907	119	117
Total Population	814,770	119	121



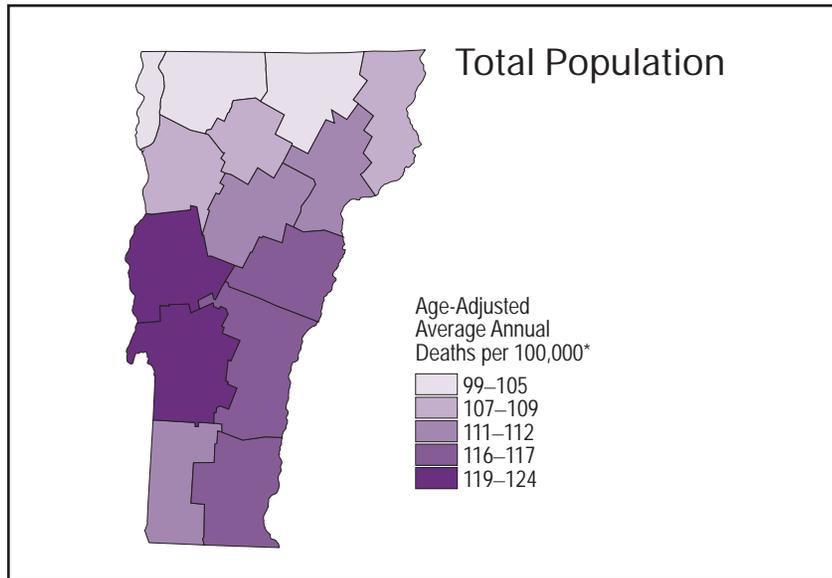
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,559	‡	77
Asians and Pacific Islanders	9,039	96	96
Blacks	2,487	180	153
Hispanics [§]	20,204	78	72
Whites	404,832	120	113
All Women	420,917	120	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,100	‡	80
Asians and Pacific Islanders	7,468	136	118
Blacks	3,210	‡	182
Hispanics [§]	20,475	121	88
Whites	379,075	114	121
All Men	393,853	114	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	611	‡	79
Asians and Pacific Islanders	1,564	‡	105
Blacks	1,096	‡	166
Hispanics [§]	2,054	‡	79
Whites	309,303	115	117
Total Population	312,574	115	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	300	‡	77
Asians and Pacific Islanders	877	‡	96
Blacks	507	‡	153
Hispanics [§]	1,048	‡	72
Whites	161,032	112	113
All Women	162,716	112	117

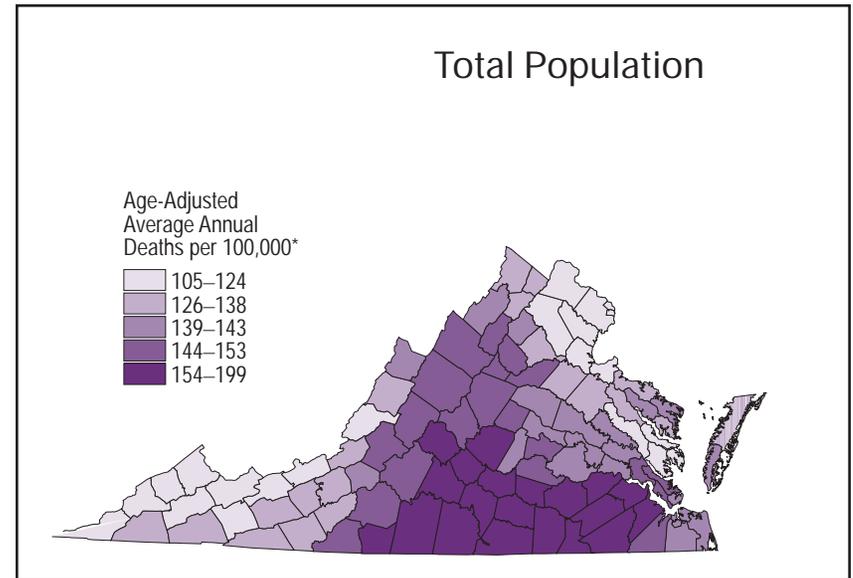
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	311	‡	80
Asians and Pacific Islanders	687	‡	118
Blacks	589	‡	182
Hispanics [§]	1,006	‡	88
Whites	148,271	117	121
All Men	149,858	118	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	8,493	‡	79
Asians and Pacific Islanders	105,009	87	105
Blacks	594,457	188	166
Hispanics [§]	87,972	54	79
Whites	2,704,502	128	117
Total Population	3,412,461	137	121



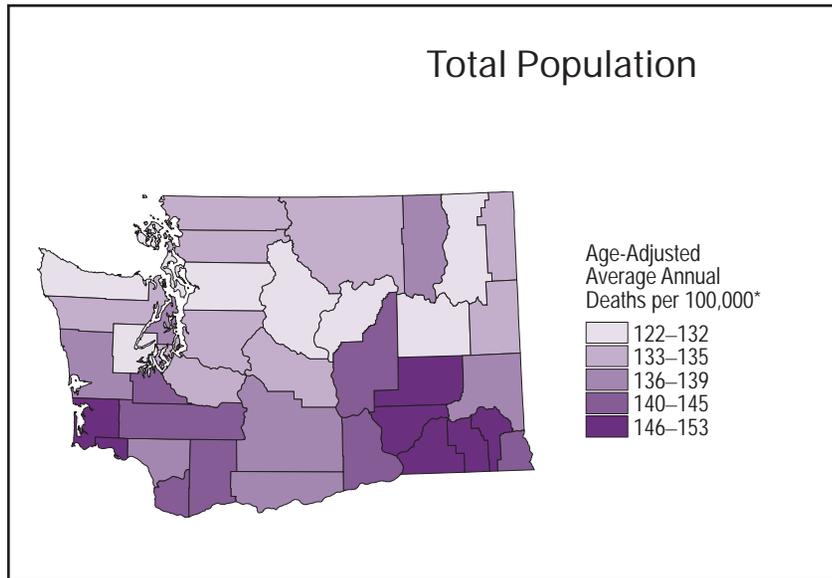
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,261	‡	77
Asians and Pacific Islanders	57,770	80	96
Blacks	324,950	171	153
Hispanics [§]	45,518	53	72
Whites	1,416,319	122	113
All Women	1,803,300	130	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	4,232	‡	80
Asians and Pacific Islanders	47,239	96	118
Blacks	269,507	211	182
Hispanics [§]	42,454	52	88
Whites	1,288,183	135	121
All Men	1,609,161	146	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	39,743	145	79
Asians and Pacific Islanders	136,619	124	105
Blacks	77,348	173	166
Hispanics [§]	103,083	77	79
Whites	2,618,570	133	117
Total Population	2,872,280	134	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	20,444	159	77
Asians and Pacific Islanders	76,680	109	96
Blacks	36,642	171	153
Hispanics [§]	49,886	60	72
Whites	1,346,674	131	113
All Women	1,480,440	132	117

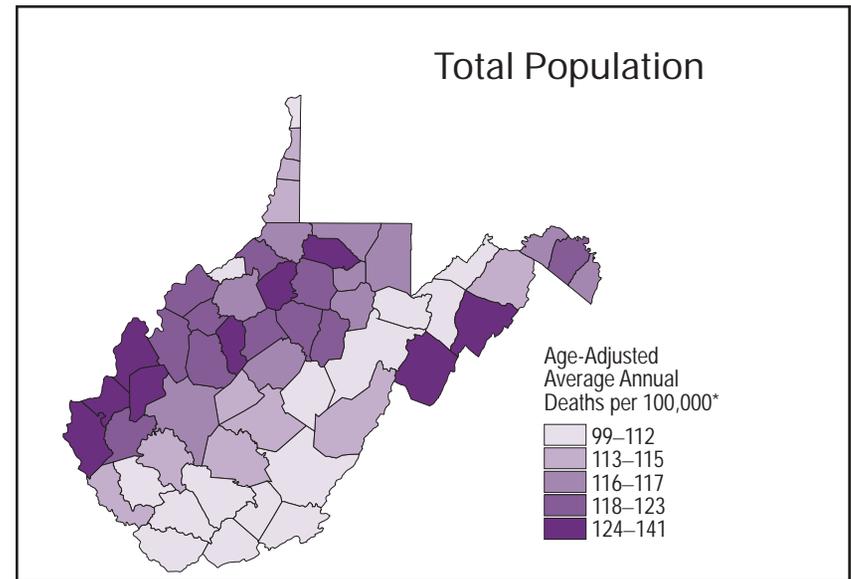
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	19,299	126	80
Asians and Pacific Islanders	59,939	144	118
Blacks	40,706	175	182
Hispanics [§]	53,197	100	88
Whites	1,271,896	134	121
All Men	1,391,840	135	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,358	‡	79
Asians and Pacific Islanders	3,984	‡	105
Blacks	27,916	137	166
Hispanics [§]	4,546	‡	79
Whites	958,901	117	117
Total Population	992,159	118	121



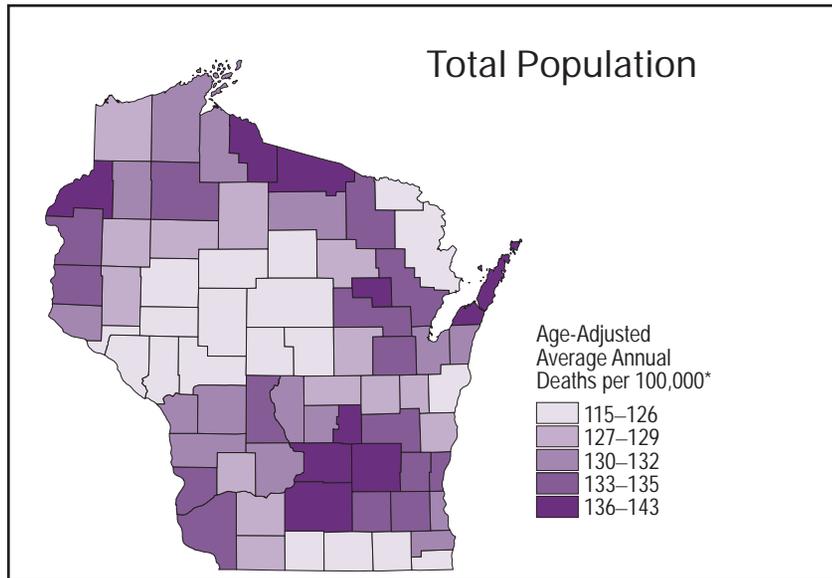
Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	695	‡	77
Asians and Pacific Islanders	2,200	‡	96
Blacks	15,620	122	153
Hispanics [§]	2,386	‡	72
Whites	512,755	115	113
All Women	531,270	115	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	663	‡	80
Asians and Pacific Islanders	1,784	‡	118
Blacks	12,296	161	182
Hispanics [§]	2,160	‡	88
Whites	446,146	119	121
All Men	460,889	120	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[‡]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998



Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	15,515	180	79
Asians and Pacific Islanders	22,532	141	105
Blacks	100,153	178	166
Hispanics [§]	41,309	49	79
Whites	2,530,308	128	117
Total Population	2,668,508	130	121

Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	8,046	170	77
Asians and Pacific Islanders	12,047	126	96
Blacks	55,077	160	153
Hispanics [§]	20,171	52	72
Whites	1,322,019	122	113
All Women	1,397,189	123	117

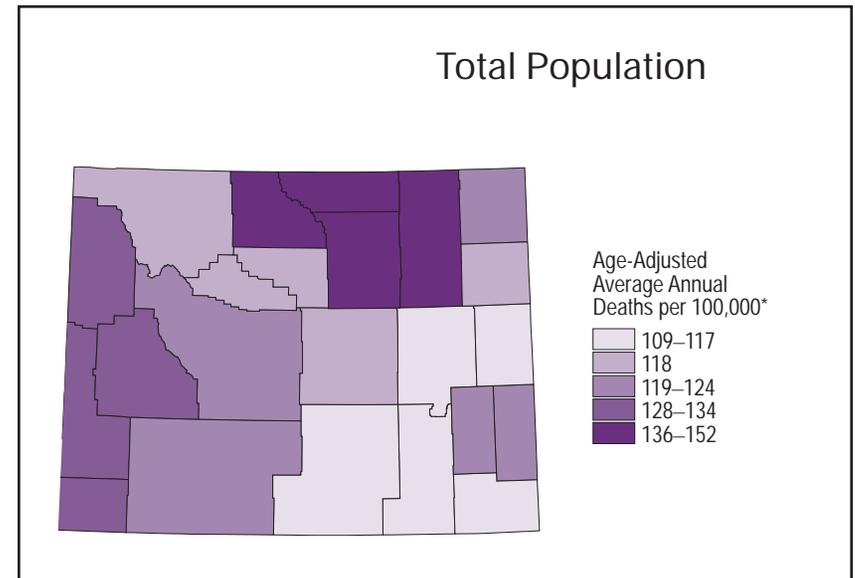
Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	7,469	192	80
Asians and Pacific Islanders	10,485	167	118
Blacks	45,076	198	182
Hispanics [§]	21,138	45	88
Whites	1,208,289	136	121
All Men	1,271,319	138	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[§]Includes data for Hispanics in all racial groups.

Stroke Death Rates, 1991–1998

Total			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	3,493	150	79
Asians and Pacific Islanders	1,420	†	105
Blacks	1,479	†	166
Hispanics [§]	10,621	106	79
Whites	238,024	126	117
Total Population	244,416	126	121



Women			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,851	†	77
Asians and Pacific Islanders	865	†	96
Blacks	686	†	153
Hispanics [§]	5,279	106	72
Whites	119,877	124	113
All Women	123,279	124	117

Men			
Race and Ethnicity	State Population 1998	State Rate [†] 1991–1998	U.S. Rate [†] 1991–1998
American Indians and Alaska Natives	1,642	†	80
Asians and Pacific Islanders	555	†	118
Blacks	793	†	182
Hispanics [§]	5,342	105	88
Whites	118,147	128	121
All Men	121,137	128	126

*Stroke death rates are spatially smoothed to enhance the stability of rates in counties with small populations. See Appendix B for details.
[†]Stroke death rate per 100,000 for all residents ages 35 years and older, directly age-adjusted to the

standard 2000 U.S. population.
[†]Insufficient data to calculate a stroke death rate.
[§]Includes data for Hispanics in all racial groups.