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# Populations Receiving Optimally Fluoridated Public Drinking Water --- United States, 1992--2006

Water fluoridation has been identified by CDC as one of 10 great public health achievements of the 20th century. The decline in the prevalence and severity of dental caries (tooth decay) in the United States during the past 60 years has been attributed largely to the increased use of fluoride (1). Community water fluoridation is an equitable and cost-effective method for delivering fluoride to the community (2--4). A *Healthy People 2010* objective is to increase to 75% the proportion of the U.S. population served by community water systems who receive optimally fluoridated water\* (5). To update and revise previous reports on fluoridation in the United States (4) and describe progress toward the *Healthy People 2010* objective, CDC analyzed fluoridation data for the period 1992--2006 from the 50 states and District of Columbia (DC). The results indicated that the percentage of the U.S. population served by community water systems who received optimally fluoridated water increased from 62.1% in 1992, to 65.0% in 2000, and 69.2% in 2006, and those percentages varied substantially by state. Public health officials and policymakers in states with lower percentages of residents receiving optimal water fluoridation should consider increasing their efforts to promote fluoridation of community water systems to prevent dental caries.

Since 1945, the U.S. Public Health Service and CDC (beginning in 1975) have tracked the number of persons in the United States receiving fluoridated water. The U.S. Environmental Protection Agency (EPA) does not regulate water fluoridation, and EPA's Safe Drinking Water Information System (SDWIS) only tracks fluoride concentrations in water systems with naturally occurring fluoride levels above the established regulatory maximum contaminant level (4.0 ppm§). Water fluoridation is managed at the state level, and CDC relies on states to provide data on individual community water systems (e.g., population served, fluoride concentration, and fluoride source). During 1998--2000, CDC, in partnership with the Association of State and Territorial Dental Directors, developed the Water Fluoridation Reporting System (WFRS) to support management and tracking of state fluoridation programs. WFRS is a voluntary system designed, in part, to make additional use of community water system data that states were already required to report to EPA as part of SDWIS.

In March 2007, CDC asked state dental directors and drinking water administrators to validate their state data reported via WFRS for 2006. Estimates of the population served by community water systems were based on the number of households served (i.e., service connections) and the number of persons in each household. Some states supplemented population data in WFRS with population data from SDWIS, which can differ slightly from WFRS. The percentage of the population served by community water systems who received optimally fluoridated water was calculated by dividing the population served by community water systems with optimal fluoride levels by the total population served by community water systems.

For eight states and DC, the reported 2006 total community water system population estimates exceeded mid-year intercensal state population estimates (6), which can occur when applying a standard persons-per-household factor to the number of households served. For these eight states and DC, state community water system population estimates were set equal to the intercensal state population estimates, and estimates of the population receiving optimally fluoridated water were reduced by a factor equal to the state's intercensal population estimate divided by the initially reported total state community water system population estimates were calculated by adding the state community water system population estimates after this reduction.

CDC previously published a report on fluoridation estimates for 2000 (4), using WFRS data reviewed by state oral health programs. At that time, state community water system populations that exceeded the state's 2000 census populations (seven states and DC) were changed to match the 2000 census populations. Earlier, in calculating 1992 fluoridation estimates, state community water system populations that exceeded state census population estimates also were changed to match 1992 intercensal state population estimates (10 states and DC). Because these two reports used the reduced state community water system populations for their calculations without making any adjustments to the populations receiving fluoridated water, the percentages potentially were overstated. This report revises the 2000 fluoridation percentage estimates, applying the same methods used to produce the 2006 estimates, and reflecting improvements in the quality and accuracy of some WFRS state data. The 1992 fluoridation estimates could not be revised similarly because water system population data from 1992 were no longer available.

In 2006, 69.2% of the U.S. population served by community water systems received optimally fluoridated water (<u>Table 1</u>), an increase from 62.1% in 1992, and from 65.0% in 2000 (<u>Table 2</u>). State-specific percentages in 2006 ranged from 8.4% in Hawaii to 100% in DC (median: 77.0%). In 2006, the *Healthy People 2010* target of 75% had been met by 25 states and DC (<u>Table 1</u>). Overall, approximately 184 million persons served by community water systems received fluoridated water; of that number, approximately 8 million persons received water with sufficient naturally occurring fluoride concentrations.

During 1992--2006, 39 states reported increases in the percentage of their populations served by community water systems who received optimally fluoridated water; percentage-point increases ranged from 0.3 in Alabama to 69.9 in Nevada (median: 6.2). Ten states had decreases; percentage-point decreases ranged from 0.2 in Kentucky and North Dakota to 17.0 in Idaho (median: 4.3) (<u>Table 2</u>). Throughout 1992--2006, 100% of the DC population served by community water systems received optimally fluoridated water.

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# **Editorial Note:**

Dental caries is a complex, chronic disease with multiple protective factors (e.g., dental sealants or healthy dietary practices), including fluoride (7); teeth remain at risk for decay throughout the lifespan, with older adults experiencing rates of caries similar to rates among children (8). Community water fluoridation has been effective in preventing tooth decay (1). Commercially sold bottled waters might or might not contain fluoride, and most bottled waters do not contain fluoride in optimal concentrations (9).

WFRS data indicate that, from 1992 to 2006, the percentage of the U.S. population served by community water systems who received optimally fluoridated water increased from 62.1% to 69.2%. During that period, the percentage increased in most states; by 2006, half the states had reached the Healthy People 2010 target of 75%. However, the 2006 data also indicate substantial differences among states in progress toward that target. For example, in California, the percentage of the state population served by community water systems who received optimally fluoridated water increased by 11.4 percentage points from 1992 to 2006. However, in 2006, the percentage of the California population served by community water systems who received optimally fluoridated was only 27.1%, third lowest among states. A 1995 state law required community water systems in California to implement fluoridation if state funds were provided to the community; however, implementation has been limited by engineering and funding constraints. In Idaho, the percentage receiving optimally fluoridated water declined by 17.0 percentage points from 1992 to 2006 because of reclassification from optimal to below optimal of a large community water system in Boise. In Louisiana, the percentage declined by 15.3 points during the same period, largely because of relocation of a substantial number of residents from areas with fluoridation to areas without fluoridation after Hurricane Katrina. In Maine, several local referenda were passed during 1996--2004, authorizing community water systems to fluoridate; as a result, 29 communities gained access to fluoridated water. The Maine percentage increased by 23.8 percentage points during 1992--2006.

The findings in this report are subject to at least three limitations. First, revision of estimated percentages for 2000 using original community water system populations without similar revision of 1992 percentages resulted in a slight underestimation of percentage-point changes among certain states from 1992 to 2006. Second, changes in percentages over time for some states resulted from improvements in the quality and accuracy of WFRS data collection and not from actual increases or decreases in the state population with optimal fluoridation. Finally, not all data came from WFRS; some states provided data from other sources, which might have reduced comparability of estimates among states.

Since its development during 1998--2000, WFRS has become a valuable tool for monitoring fluoridation programs, improving fluoridation data quality, and routinely reporting fluoridation status at national, state, and local levels. For 2006, 48 states and DC reported their data via WFRS. In 2002, CDC developed and launched two Internet-based systems to provide public access to water fluoridation information stored in WFRS. Oral Health Maps generates maps showing fluoridation percentages at state and county levels and provides summary data tables. My Water's Fluoride provides public access to fluoridation information for individual community water systems.\*\* Currently, 36 states provide public access to water fluoridation information online via Oral Health Maps and My Water's Fluoride.

Attainment of the *Healthy People 2010* objective will require 1) recognition by policymakers and the public that dental caries remains an important public health problem and that fluoridation is an equitable

and cost-effective method of addressing the problem, even in smaller populations where the per-capita cost of fluoridation is higher; 2) continuing science-based education of the public about the established safety of fluoridation; and 3) the political will to adopt new fluoridation systems in communities that are not served currently (10). To overcome the challenges facing fluoridation, public health professionals at the national, state, and local level will need to enhance their promotion of fluoridation and commit the necessary resources for equipment, personnel, and training.

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- \* Defined as a fluoride concentration of 0.7--1.2 ppm, depending on the average maximum daily air temperature in the area; optimal concentrations are set lower in warmer climates, where the populations drink more water, and higher in cooler climates.

### Table 1

<sup>†</sup> Available at http://www.cdc.gov/nohss/fsgrowth text.htm.

<sup>§</sup> EPA also has set a secondary maximum contaminant level of 2.0 ppm as a precaution against possible tooth discoloration or pitting from excess fluoride exposure during the formative period for young children. Additional information is available at <a href="http://www.epa.gov/safewater/consumer/2ndstandards.html">http://www.epa.gov/safewater/consumer/2ndstandards.html</a>.

<sup>¶</sup> Available at <a href="http://apps.nccd.cdc.gov/gisdoh">http://apps.nccd.cdc.gov/gisdoh</a>.

<sup>\*\*</sup> Available at http://apps.nccd.cdc.gov/mwf/index.asp.

TABLE 1. Estimated number and percentage of persons served by community water systems who received optimally fluoridated water,\* by state/area — United States, 2006

nuondated water,	by staterarea	- Officed States, 2000		
State/	No. served by	No. receiving		
Area	community water systems	optimally fluoridated water	(%)	
United States	265,794,252	184,028,038	(69.2)	
Alabama†	4,599,030 3,814,295		(82.9)	
Alaska	519,379 308,801		(59.5)	
Arizona	5,611,581 3,147,245		(56.1)	
Arkansas	2,561,312	1,648,317	(64.4)	
California†§	36,457,549	9,881,390	(27.1)	
Colorado	4,190,698	3,085,319	(73.6)	
Connecticut	2,691,412	2,393,487	(88.9)	
Delaware	819,176 603,207		(73.6)	
District of Columbia†	581,530	581,530	(100.0)	
Florida	16,729,803	13,006,128	(77.7)	
Georgia <sup>†</sup>	9,393,941	8,974,302	(95.8)	
Hawaii†§	1,285,498 107,684		(8.4)	
Idaho	1,011,949	316,350	(31.3)	
Illinois	11,484,994	11,355,747	(98.9)	
Indiana	4,550,057	4,327,916	(95.1)	
Iowa	2,558,575	2,363,277	(92.4)	
Kansas	2,563,505	1,669,657	(65.1)	
Kentucky†	4,206,074	4,199,519	(99.8)	
Louisiana†	4,287,768	1,731,807	(40.4)	
Maine	630,136	501,290	(79.6)	
Maryland	4,847,653	4,549,055	(93.8)	
Massachusetts†	6,437,193	3,802,732	(59.1)	
Michigan	7,335,365	6,664,706	(90.9)	
Minnesota	3,956,659	3,905,754	(98.7)	
Mississippi <sup>†</sup>	2,910,540	1,480,601	(50.9)	
Missouri	4,928,689	3,928,100	(79.7)	
Montana	794,563	248,850	(31.3)	
Nebraska	1,420,624	991,292	(69.8)	
Nevada	2,422,152	1,744,984	(72.0)	
New Hampshire	832,656	354,637	(42.6)	
New Jersey	7,839,608	1,771,324	(22.6)	
New Mexico	1,567,857	1,207,034	(77.0)	
New York	17,471,590	12,733,582	(72.9)	
North Carolina	6,498,294	5,689,906	(87.6)	
North Dakota	574,346	552,785	(96.2)	
Ohio	10,021,630	8,948,975	(89.3)	
Oklahoma	3,392,725	2,493,521	(73.5)	
Oregon	3,069,204	839,727	(27.4)	
Pennsylvania	10,390,234	5,610,873	(54.0)	
Rhode Island	977,261	826,863	(84.6)	
South Carolina	3,545,617	3,355,873	(94.6)	
South Dakota	691,333	657,022	(95.0)	
Tennessee	5,220,410	4,889,987	(93.7)	
Texas	21,731,824	16,979,975	(78.1)	
Utah	2,242,897	1,216,980	(54.3)	
Vermont	529,441	310,953	(58.7)	
Virginia	6,135,847	5,830,328	(95.0)	
Washington	5,628,782	3,542,948	(62.9)	
West Virginia	1,360,193	1,247,301	(91.7)	
Wisconsin	3,868,775	3,471,706	(89.7)	
Wyoming	446,323	162,396	(36.4)	
-5.0	l	0.7.4.0		

<sup>\*</sup> Defined as a fluoride concentration of 0.7–1.2 ppm, depending on the average maximum daily air temperature in the area.

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Table 2

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TABLE 2. Healthy People 2010 baseline estimate of the percentage of population served by community water systems who received optimally fluoridated water\* in 1992, revised 2000 estimate, and percentage-point changes over time, by state/area — United States, 1992, 2000, and 2006

State/Area         1992 baseline %         Revised 2000 (2000 to 2006)         change (1992 to 2006)           United States†         62.1         65.0         4.2         7.1           Alabama†         82.6         83.1         -0.2         0.3           Alaska         61.2         55.2         4.3         -1.7           Arizona         49.9         55.5         0.6         6.2           Arkansas†\$         58.7         48.1         16.3         5.7           California§         15.7         28.7         -1.6         11.4           Colorado†§         81.7         73.0         0.6         -8.1           Connecticut         85.9         88.8         0.1         3.0           Delaware         67.4         80.9         -7.3         6.2           District of Columbia         100.0         100.0         0.0         0.0           Florida         58.3         62.6         15.1         19.4           Georgia         92.1         92.9         2.9         3.7           Hawaii†         13.0         8.7         -0.3         -4.6           Idaho         48.3         45.4         -14.1         -17.0		Healthy People		Percentage-	Percentage- point
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Alabama† 82.6 83.1 -0.2 0.3 Alaska 61.2 55.2 4.3 -1.7 Arizona 49.9 55.5 0.6 6.2 Arkansas†\$ 58.7 48.1 16.3 5.7 California§ 15.7 28.7 -1.6 11.4 Colorado†§ 81.7 73.0 0.6 -8.1 Connecticut 85.9 88.8 0.1 3.0 Delaware 67.4 80.9 -7.3 6.2 District of Columbia 100.0 100.0 0.0 0.0 Florida 58.3 62.6 15.1 19.4 Georgia 92.1 92.9 2.9 3.7 Hawaii† 13.0 8.7 -0.3 -4.6 Idaho 48.3 45.4 -14.1 -17.0 Illinois 95.2 93.4 5.5 3.7 Indiana 98.6 95.3 -0.2 -3.5 Indiana 98.6 95.3 -0.2 -3.5 Indiana 91.4 91.3 1.1 1.0 Kansas 58.4 62.5 2.6 6.7 Kentucky 100.0 96.1 3.7 -0.2 Louisiana† 55.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland† 85.8 76.1 17.7 8.0 Massachusetts†§ 57.0 54.8 4.3 2.1 Michigan 88.5 90.7 0.2 2.4 Minnesota 93.4 98.2 0.5 5.3 Mississippi† 48.4 46.1 4.8 2.5 Missouri† 71.4 67.1 12.6 8.3 Mississippi† 48.4 46.1 4.8 2.5 Missouri† 71.4 67.1 12.6 8.3 Mississippi† 48.4 46.1 4.8 2.5 Missouri† 71.4 67.1 12.6 8.3 Mississippi† 48.4 46.1 4.8 2.5 Missouri† 71.4 67.1 12.6 8.3 Mississippi† 48.4 98.2 0.5 5.3 New Hampshire 24.0 43.0 -0.4 18.6 New Jersey 16.2 15.5 7.1 6.4 New Mexico 66.2 76.7 0.3 10.8 New Mexico 66.2 76.7 0.3 10.8 New Hempshire 24.0 43.0 -0.4 18.6 New Jersey 16.2 15.5 7.1 6.4 New Mexico 66.2 76.7 0.3 10.8 New Georgia 90.0 91.2 3.4 4.6 New Mexico 66.2 76.7 0.3 10.8 New Georgia 90.0 91.2 3.4 4.6 New Mexico 66.2 76.7 12.4 14.1 Utah†§ 3.1 1.7 52.6 51.2 Vermont 57.4 54.2 4.5 1.3 Vermont 57.4 54.2 4.5 1.3		%	%	2006)	2006)
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Arizona 49.9 55.5 0.6 6.2 Arkansas¹§ 58.7 48.1 16.3 5.7 California§ 15.7 28.7 -1.6 11.4 Colorado¹§ 81.7 73.0 0.6 -8.1 Connecticut 85.9 88.8 0.1 3.0 Delaware 67.4 80.9 -7.3 6.2 District of Columbia 100.0 100.0 0.0 Florida 58.3 62.6 15.1 19.4 Georgia 92.1 92.9 2.9 3.7 Hawaii¹ 13.0 8.7 -0.3 -4.6 Idaho 48.3 45.4 -14.1 -17.0 Illinois 95.2 93.4 5.5 3.7 Indiana 98.6 95.3 -0.2 3.5 Iowa 91.4 91.3 1.1 1.0 Kansas 58.4 62.5 2.6 6.7 Kentucky 100.0 96.1 3.7 -0.2 Louisiana¹ 55.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland¹ 88.5 90.7 0.2 2.4 Minnesota 98.5 90.7 0.2 2.4 Minnesota 98.4 98.2 0.5 5.3 Mississippi¹ 48.4 46.1 4.8 2.5 Missourl¹ 71.4 67.1 12.6 8.3 Mississippi¹ 48.4 46.1 4.8 2.5 Missourl¹ 71.4 67.1 12.6 8.3 Montana 25.9 22.2 9.1 5.4 Nebraska¹§ 62.1 69.8 0.0 7.7 Nevada¹§ 69.7 74.7 -1.8 3.2 North Carolina 78.5 83.3 4.3 9.1 North Dakota 96.4 95.4 0.8 -0.2 New Mexico 66.2 76.7 0.3 10.8 New Jersey 16.2 15.5 7.1 6.4 New Mexico 66.2 76.7 0.3 10.8 New Hampshire 24.0 43.0 -0.4 18.6 New Jersey 16.2 15.5 7.1 6.4 New Jersey 16.2 15.5 7.1 6.4 New Mexico 66.2 76.7 0.3 10.8 New Homota 96.4 95.4 0.8 -0.2 Ohio 87.9 87.6 1.7 1.4 Oklahoma¹§ 58.0 73.1 0.4 15.5 Oregon¹§ 24.8 17.2 4.7 2.6 Pennsylvania 20.9 54.2 -0.2 33.1 Bhode Island 100.0 85.1 -0.5 -15.4 South Carolina 90.0 91.2 3.4 4.6 South Dakota¹§ 100.0 86.2 8.8 -5.0 Tennesse 92.0 94.5 -0.8 1.7 Texas 64.0 65.7 12.4 14.1 Utah¹§ 3.1 1.7 52.6 51.2 Vermont 57.4 54.2 4.5 13.3					
Arkansas†\$ 15.7 28.7 -1.6 11.4 Colorado†\$ 15.7 28.7 -1.6 11.4 Colorado†\$ 81.7 73.0 0.6 -8.1 Connecticut 85.9 88.8 0.1 3.0 Delaware 67.4 80.9 -7.3 6.2 District of Columbia 100.0 100.0 0.0 0.0 Clorida 58.3 62.6 15.1 19.4 Georgia 92.1 92.9 2.9 3.7 Hawaii† 13.0 8.7 -0.3 -4.6 Idaho 48.3 45.4 -14.1 -17.0 Illinois 95.2 93.4 5.5 3.7 Indiana 98.6 95.3 -0.2 -3.5 Iowa 91.4 91.3 1.1 1.0 Kansas 58.4 62.5 2.6 6.7 Kentucky 100.0 96.1 3.7 -0.2 Louisiana† 55.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland† 85.8 76.1 17.7 8.0 Massachusetts†\$ 57.0 54.8 4.3 2.1 Michigan 88.5 90.7 0.2 2.4 Minnesota 93.4 98.2 0.5 5.3 Mississippi† 48.4 46.1 4.8 2.5 Missouri† 71.4 67.1 12.6 8.3 Montana 25.9 22.2 9.1 5.4 Nevada†\$ 62.1 69.8 0.0 7.7 Nevada†\$ 69.7 74.7 -1.8 3.2 North Carolina 78.5 83.3 4.3 9.1 North Dakota 96.4 95.4 0.8 0.0 7.7 Nevada†\$ 58.0 73.1 0.4 15.5 Oregon†\$ 24.8 17.2 4.7 2.6 Pennsylvania 20.9 54.2 -0.2 33.1 Phode Island 100.0 86.1 7.1 1.4 0.8 0.9 New York†\$ 69.7 74.7 -1.8 3.2 North Carolina 78.5 83.3 4.3 9.1 North Dakota 96.4 95.4 0.8 -0.2 0.1 1.5 Oregon†\$ 24.8 17.2 4.7 2.6 Pennsylvania 20.9 54.2 -0.2 33.1 Phode Island 100.0 85.1 -0.5 -15.4 South Dakota†\$ 3.1 1.7 52.6 51.2 Vermont 57.4 54.2 4.5 1.3 Vermont 57.4					
California	Arizona	49.9			
Colorado <sup>†§</sup> 81.7 73.0 0.6 -8.1 Connecticut 85.9 88.8 0.1 3.0 Delaware 67.4 80.9 -7.3 6.2 District of Columbia 100.0 100.0 0.0 0.0 Florida 58.3 62.6 15.1 19.4 Georgia 92.1 92.9 2.9 3.7 Hawaii <sup>†</sup> 13.0 8.7 -0.3 -4.6 Idaho 48.3 45.4 -14.1 -17.0 Illinois 95.2 93.4 5.5 3.7 Indiana 98.6 95.3 -0.2 -3.5 lowa 91.4 91.3 1.1 1.0 Kansas 58.4 62.5 2.6 6.7 Kentucky 100.0 96.1 3.7 -0.2 Louisiana 55.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland 55.8 76.1 17.7 8.0 Massachusetts \$ 57.0 54.8 4.3 2.1 Michigan 88.5 90.7 0.2 2.4 Minnesota 93.4 98.2 0.5 5.3 Mississippi 48.4 46.1 4.8 2.5 Missouri 71.4 67.1 12.6 8.3 Montana 25.9 22.2 9.1 5.4 Nebraska \$ 62.1 69.8 0.0 7.7 Nevada \$	Arkansas <sup>T9</sup>				
Connecticut 85.9 88.8 0.1 3.0 Delaware 67.4 80.9 -7.3 6.2 District of Columbia 100.0 100.0 0.0 Florida 58.3 62.6 15.1 19.4 Georgia 92.1 92.9 2.9 3.7 Hawaii <sup>†</sup> 13.0 8.7 -0.3 -4.6 Idaho 48.3 45.4 -14.1 -17.0 Illinois 95.2 93.4 5.5 3.7 Indiana 98.6 95.3 -0.2 -3.5 Iowa 91.4 91.3 1.1 1.0 Kansas 58.4 62.5 2.6 6.7 Kentucky 100.0 96.1 3.7 -0.2 Louisiana <sup>†</sup> 55.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland <sup>†</sup> 85.8 76.1 17.7 8.0 Massachusetts <sup>†§</sup> 57.0 54.8 4.3 2.1 Michigan 88.5 90.7 0.2 2.4 Minnesota 93.4 98.2 0.5 5.3 Mississippi <sup>†</sup> 48.4 46.1 4.8 2.5 Missouri <sup>†</sup> 71.4 67.1 12.6 8.3 Montana 25.9 22.2 9.1 5.4 Nebraska <sup>†§</sup> 62.1 69.8 0.0 7.7 Nevada <sup>†§</sup> 2.1 66.2 5.8 69.9 New Hampshire 24.0 43.0 -0.4 18.6 New Jersey 16.2 15.5 7.1 6.4 New Mexico 66.2 76.7 0.3 10.8 New Mexico 66.2 76.7 0.3 10.8 New Horki <sup>†§</sup> 69.7 74.7 -1.8 3.2 North Carolina 78.5 83.3 4.3 9.1 North Dakota 96.4 95.4 0.8 -0.2 Ohio 87.9 87.6 1.7 1.4 Collahoma <sup>†§</sup> 58.0 73.1 0.4 15.5 Oregon <sup>†§</sup> 24.8 17.2 4.7 2.6 Pennsylvania 20.9 54.2 -0.2 33.1 Rhode Island 100.0 85.1 -0.5 -15.4 South Dakota 9.0 91.2 3.4 4.6 South Dakota 9.0 91.2 3.4 4.6 South Dakota 15.4 0.0 65.7 12.4 14.1 Utah <sup>†§</sup> 3.1 1.7 52.6 51.2 Vermont 57.4 54.2 4.5 1.3	California <sup>3</sup>				
Delaware         67.4         80.9         -7.3         6.2           District of Columbia         100.0         100.0         0.0         0.0           Florida         58.3         62.6         15.1         19.4           Georgia         92.1         92.9         2.9         3.7           Hawaii†         13.0         8.7         -0.3         -4.6           Idaho         48.3         45.4         -14.1         -17.0           Illinois         95.2         93.4         5.5         3.7           Indiana         98.6         95.3         -0.2         -3.5           Iowa         91.4         91.3         1.1         1.0           Kansas         58.4         62.5         2.6         6.7           Kentucky         100.0         96.1         3.7         -0.2           Louislana†         55.7         50.6         -10.2         -15.3           Maine         55.8         75.4         4.2         23.8           Maryland†         85.8         76.1         17.7         8.0           Massachusetts†\$         57.0         54.8         4.3         2.1           Michigan         88.5<		81.7			
District of Columbia 100.0 100.0 10.0 Florida 58.3 62.6 15.1 19.4 Georgia 92.1 92.9 2.9 3.7 Hawaii <sup>†</sup> 13.0 8.7 -0.3 -4.6 Idaho 48.3 45.4 -14.1 -17.0 Illinois 95.2 93.4 5.5 3.7 Indiana 98.6 95.3 -0.2 -3.5 Iowa 91.4 91.3 1.1 1.0 Kansas 58.4 62.5 2.6 6.7 Kentucky 100.0 96.1 3.7 -0.2 Louisiana <sup>†</sup> 55.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland <sup>†</sup> 85.8 76.1 17.7 8.0 Massachusetts <sup>†</sup> \$ 57.0 54.8 4.3 2.1 Michigan 88.5 90.7 0.2 2.4 Minnesota 93.4 98.2 0.5 5.3 Mississippi 48.4 46.1 4.8 2.5 Missouri <sup>†</sup> 71.4 67.1 12.6 8.3 Montana 25.9 22.2 9.1 5.4 Nebraska <sup>†</sup> \$ 62.1 66.2 5.8 69.9 New Hampshire 24.0 43.0 -0.4 18.6 New Jersey 16.2 15.5 7.1 6.4 New Mexico 66.2 76.7 0.3 10.8 New Hompshire 24.8 17.2 4.7 2.6 Pennsylvania 20.9 54.2 -0.2 33.1 Rhode Island 100.0 85.1 -0.5 -15.4 South Carolina 90.0 91.2 3.4 4.6 South Dakota 90.0 91		85.9			
Florida 58.3 62.6 15.1 19.4 Georgia 92.1 92.9 2.9 3.7 Hawali <sup>†</sup> 13.0 8.7 -0.3 -4.6 Idaho 48.3 45.4 -14.1 -17.0 Illinois 95.2 93.4 5.5 3.7 Indiana 98.6 95.3 -0.2 -3.5 Iowa 91.4 91.3 1.1 1.0 Kansas 58.4 62.5 2.6 6.7 Kentucky 100.0 96.1 3.7 -0.2 Louisiana 555.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland 85.8 75.4 4.2 23.8 Maryland 85.8 76.1 17.7 8.0 Massachusetts 57.0 54.8 4.3 2.1 Michigan 88.5 90.7 0.2 2.4 Minnesota 93.4 98.2 0.5 5.3 Mississippi 48.4 46.1 4.8 2.5 Missouri 71.4 67.1 12.6 8.3 Montana 25.9 22.2 9.1 5.4 Nebraska 18 62.1 69.8 0.0 7.7 Nevada 18 62.1 69.8 0.0 7.7 Neva					
Georgia 92.1 92.9 2.9 3.7 Hawaii <sup>†</sup> 13.0 8.7 -0.3 -4.6 Idaho 48.3 45.4 -14.1 -17.0 Illinois 95.2 93.4 5.5 3.7 Indiana 98.6 95.3 -0.2 -3.5 Iowa 91.4 91.3 1.1 1.0 Kansas 58.4 62.5 2.6 6.7 Kentucky 100.0 96.1 3.7 -0.2 Louisiana <sup>†</sup> 55.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland <sup>†</sup> 85.8 76.1 17.7 8.0 Massachusetts <sup>†</sup> \$ 57.0 54.8 4.3 2.1 Michigan 88.5 90.7 0.2 2.4 Minnesota 93.4 98.2 0.5 5.3 Mississippi <sup>†</sup> 48.4 46.1 4.8 2.5 Missouri <sup>†</sup> 71.4 67.1 12.6 8.3 Montana 25.9 22.2 9.1 5.4 Nebraska <sup>†</sup> \$ 62.1 69.8 0.0 7.7 Nevada <sup>†</sup> \$ 69.7 74.7 -1.8 3.2 North Carolina 78.5 83.3 4.3 9.1 North Dakota 96.4 95.4 0.8 -0.2 Ohio 87.9 87.6 1.7 1.4 Oklahoma <sup>†</sup> \$ 58.0 73.1 0.4 15.5 Oregon <sup>†</sup> \$ 24.8 17.2 4.7 2.6 Pennsylvania 20.9 54.2 -0.2 33.1 Rhode Island 100.0 85.1 -0.5 -15.4 South Carolina 57.4 54.2 4.5 1.3 Vermont 57.4 54.2 4.5 1.3 Vermont 57.4 54.2 4.5 1.3		100.0			
Hawaii					
Idaho					
Illinois					
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lowa					
Kansas 58.4 62.5 2.6 6.7 Kentucky 100.0 96.1 3.7 -0.2 Louisiana† 55.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland† 85.8 76.1 17.7 8.0 Massachusetts†\$ 57.0 54.8 4.3 2.1 Michigan 88.5 90.7 0.2 2.4 Minnesota 93.4 98.2 0.5 5.3 Mississippi† 48.4 46.1 4.8 2.5 Missouri† 71.4 67.1 12.6 8.3 Montana 25.9 22.2 9.1 5.4 Nebraska†\$ 62.1 69.8 0.0 7.7 Nevada†\$ 62.1 69.8 0.0 7.7 Nevada†\$ 2.1 66.2 5.8 69.9 New Hampshire 24.0 43.0 -0.4 18.6 New Jersey 16.2 15.5 7.1 6.4 New Mexico 66.2 76.7 0.3 10.8 New York†\$ 69.7 74.7 -1.8 3.2 North Carolina 78.5 83.3 4.3 9.1 North Dakota 96.4 95.4 0.8 -0.2 Ohio 87.9 87.6 1.7 1.4 Oklahoma†\$ 58.0 73.1 0.4 15.5 Oregon†\$ 24.8 17.2 4.7 2.6 Pennsylvania 20.9 54.2 -0.2 33.1 Rhode Island 100.0 85.1 -0.5 -15.4 South Carolina 90.0 91.2 3.4 4.6 South Dakota†\$ 100.0 86.2 8.8 -5.0 Tennessee 92.0 94.5 -0.8 1.7 Texas 64.0 65.7 12.4 14.1 Utah†\$ 3.1 1.7 52.6 51.2 Vermont 57.4 54.2 4.5 1.3 Virginia 72.1 93.3 1.7 22.9		91.4			
Kentucky         100.0         96.1         3.7         -0.2           Louisiana†         55.7         50.6         -10.2         -15.3           Maine         55.8         75.4         4.2         23.8           Maryland†         85.8         76.1         17.7         8.0           Massachusetts†§         57.0         54.8         4.3         2.1           Michigan         88.5         90.7         0.2         2.4           Minnesota         93.4         98.2         0.5         5.3           Mississippi†         48.4         46.1         4.8         2.5           Missouri†         71.4         67.1         12.6         8.3           Montana         25.9         22.2         9.1         5.4           Nebraska†§         62.1         69.8         0.0         7.7           Nevada†§         62.1         69.8         0.0         7.7           New Jersey         16.2         15.5         7.1         6.4           New Jersey         16.2         15.5         7.1         6.4           New York†§         69.7         74.7         -1.8         3.2           North Carolina		58.4			
Louisiana† 55.7 50.6 -10.2 -15.3 Maine 55.8 75.4 4.2 23.8 Maryland† 85.8 76.1 17.7 8.0 Massachusetts†§ 57.0 54.8 4.3 2.1 Michigan 88.5 90.7 0.2 2.4 Minnesota 93.4 98.2 0.5 5.3 Mississippi† 48.4 46.1 4.8 2.5 Missouri† 71.4 67.1 12.6 8.3 Montana 25.9 22.2 9.1 5.4 Nebraska†§ 62.1 69.8 0.0 7.7 Nevada†§ 62.1 69.8 0.0 7.7 Nevada†§ 2.1 66.2 5.8 69.9 New Hampshire 24.0 43.0 -0.4 18.6 New Jersey 16.2 15.5 7.1 6.4 New Mexico 66.2 76.7 0.3 10.8 New York†§ 69.7 74.7 -1.8 3.2 North Carolina 78.5 83.3 4.3 9.1 North Dakota 96.4 95.4 0.8 -0.2 Ohio 87.9 87.6 1.7 1.4 Oklahoma†§ 58.0 73.1 0.4 15.5 Oregon†§ 24.8 17.2 4.7 2.6 Pennsylvania 20.9 54.2 -0.2 33.1 Rhode Island 100.0 85.1 -0.5 -15.4 South Carolina 90.0 91.2 3.4 4.6 South Dakota†§ 31 1.7 52.6 51.2 Vermont 57.4 54.2 4.5 1.3 Virginia 72.1 93.3 1.7 22.9					
Maine         55.8         75.4         4.2         23.8           Maryland <sup>†</sup> 85.8         76.1         17.7         8.0           Massachusetts <sup>†</sup> §         57.0         54.8         4.3         2.1           Michigan         88.5         90.7         0.2         2.4           Minesota         93.4         98.2         0.5         5.3           Mississippi†         48.4         46.1         4.8         2.5           Missouri†         71.4         67.1         12.6         8.3           Montana         25.9         22.2         9.1         5.4           Nebraska <sup>†</sup> §         62.1         69.8         0.0         7.7           Nevada <sup>†</sup> §         62.1         69.8         0.0         7.7           New Hampshire         24.0         43.0         -0.4         18.6           New Jersey         16.2         15.5         7.1         6.4           New Mexico         66.2         76.7         0.3         10.8           New York <sup>†</sup> §         69.7         74.7         -1.8         3.2           North Carolina         78.5         83.3         4.3         9.1           North Dakota					
Maryland†         85.8         76.1         17.7         8.0           Massachusetts†§         57.0         54.8         4.3         2.1           Michigan         88.5         90.7         0.2         2.4           Minnesota         93.4         98.2         0.5         5.3           Mississippi†         48.4         46.1         4.8         2.5           Missouri†         71.4         67.1         12.6         8.3           Montana         25.9         22.2         9.1         5.4           Nebraska†§         62.1         69.8         0.0         7.7           Nevada†§         62.1         69.8         0.0         7.7           New Hampshire         24.0         43.0         -0.4         18.6           New Jersey         16.2         15.5         7.1         6.4           New Jersey         16.2         15.5         7.1         6.4           New Jersey         16.2         15.5         7.1         6.4           New Jersey         16.2         76.7         0.3         10.8           New York†§         69.7         74.7         -1.8         3.2           North Carolina					
Massachusetts¹\$         57.0         54.8         4.3         2.1           Michigan         88.5         90.7         0.2         2.4           Minnesota         93.4         98.2         0.5         53           Mississippi¹         48.4         46.1         4.8         2.5           Missouri¹         71.4         67.1         12.6         8.3           Montana         25.9         22.2         9.1         5.4           Nebraska¹§         62.1         69.8         0.0         7.7           Nevada¹§         2.1         66.2         5.8         69.9           New Hampshire         24.0         43.0         -0.4         18.6           New Jersey         16.2         15.5         7.1         6.4           New Jersey		85.8			
Michigan       88.5       90.7       0.2       2.4         Minnesota       93.4       98.2       0.5       5.3         Mississisppi†       48.4       46.1       4.8       2.5         Missouri†       71.4       67.1       12.6       8.3         Montana       25.9       22.2       9.1       5.4         Nebraska†§       62.1       69.8       0.0       7.7         Nevada†§       2.1       66.2       5.8       69.9         New Hampshire       24.0       43.0       -0.4       18.6         New Jersey       16.2       15.5       7.1       6.4         New Mexico       66.2       76.7       0.3       10.8         New York†§       69.7       74.7       -1.8       3.2         North Carolina       78.5       83.3       4.3       9.1         North Dakota       96.4       95.4       0.8       -0.2         Ohio       87.9       87.6       1.7       1.4         Oklahoma†§       58.0       73.1       0.4       15.5         Oregon†§       24.8       17.2       4.7       2.6         Pennsylvania       20.9	Massachusetts†§		54.8		2.1
Minnesota         93.4         98.2         0.5         5.3           Mississippi†         48.4         46.1         4.8         2.5           Missouri†         71.4         67.1         12.6         8.3           Montana         25.9         22.2         9.1         5.4           Nebraska†§         62.1         69.8         0.0         7.7           Nevada†§         2.1         66.2         5.8         69.9           New Hampshire         24.0         43.0         -0.4         18.6           New Jersey         16.2         15.5         7.1         6.4           New Mexico         66.2         76.7         0.3         10.8           New York†§         69.7         74.7         -1.8         3.2           North Carolina         78.5         83.3         4.3         9.1           North Dakota         96.4         95.4         0.8         -0.2           Ohio         87.9         87.6         1.7         1.4           Oklahoma†§         58.0         73.1         0.4         15.5           Oregon†§         24.8         17.2         4.7         2.6           Pennsylvania					
Missouri†       71.4       67.1       12.6       8.3         Montana       25.9       22.2       9.1       5.4         Nebraska†§       62.1       69.8       0.0       7.7         Nevada†§       2.1       66.2       5.8       69.9         New Hampshire       24.0       43.0       -0.4       18.6         New Jersey       16.2       15.5       7.1       6.4         New Mexico       66.2       76.7       0.3       10.8         New York†§       69.7       74.7       -1.8       3.2         North Carolina       78.5       83.3       4.3       9.1         North Dakota       96.4       95.4       0.8       -0.2         Ohio       87.9       87.6       1.7       1.4         Oklahoma†§       58.0       73.1       0.4       15.5         Oregon†§       24.8       17.2       4.7       2.6         Pennsylvania       20.9       54.2       -0.2       33.1         Rhode Island       100.0       85.1       -0.5       -15.4         South Dakota†§       100.0       86.2       8.8       -5.0         Tennessee       92.	Minnesota	93.4	98.2	0.5	
Missouri†       71.4       67.1       12.6       8.3         Montana       25.9       22.2       9.1       5.4         Nebraska†§       62.1       69.8       0.0       7.7         Nevada†§       2.1       66.2       5.8       69.9         New Hampshire       24.0       43.0       -0.4       18.6         New Jersey       16.2       15.5       7.1       6.4         New Mexico       66.2       76.7       0.3       10.8         New York†§       69.7       74.7       -1.8       3.2         North Carolina       78.5       83.3       4.3       9.1         North Dakota       96.4       95.4       0.8       -0.2         Ohio       87.9       87.6       1.7       1.4         Oklahoma†§       58.0       73.1       0.4       15.5         Oregon†§       24.8       17.2       4.7       2.6         Pennsylvania       20.9       54.2       -0.2       33.1         Rhode Island       100.0       85.1       -0.5       -15.4         South Dakota†§       100.0       86.2       8.8       -5.0         Tennessee       92.	Mississippi†		46.1		2.5
Nebraska†§         62.1         69.8         0.0         7.7           Nevada†§         2.1         66.2         5.8         69.9           New Hampshire         24.0         43.0         -0.4         18.6           New Jersey         16.2         15.5         7.1         6.4           New Mexico         66.2         76.7         0.3         10.8           New York†§         69.7         74.7         -1.8         3.2           North Carolina         78.5         83.3         4.3         9.1           North Dakota         96.4         95.4         0.8         -0.2           Ohio         87.9         87.6         1.7         1.4           Oklahoma†§         58.0         73.1         0.4         15.5           Oregon†§         24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota†§         100.0         86.2         8.8         -5.0           Te	Missouri <sup>†</sup>				
Nevada <sup>†§</sup> 2.1         66.2         5.8         69.9           New Hampshire         24.0         43.0         -0.4         18.6           New Jersey         16.2         15.5         7.1         6.4           New Mexico         66.2         76.7         0.3         10.8           New York †§         69.7         74.7         -1.8         3.2           North Carolina         78.5         83.3         4.3         9.1           North Dakota         96.4         95.4         0.8         -0.2           Ohio         87.9         87.6         1.7         1.4           Oklahoma†§         58.0         73.1         0.4         15.5           Oregon†§         24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Dakota†§         100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah†§					
New Hampshire         24.0         43.0         -0.4         18.6           New Jersey         16.2         15.5         7.1         6.4           New Mexico         66.2         76.7         0.3         10.8           New York†§         69.7         74.7         -1.8         3.2           North Carolina         78.5         83.3         4.3         9.1           North Dakota         96.4         95.4         0.8         -0.2           Ohio         87.9         87.6         1.7         1.4           Oklahoma†§         58.0         73.1         0.4         15.5           Oregon†§         24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota†§         100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Uta	Nebraska <sup>†§</sup>				
New Jersey         16.2         15.5         7.1         6.4           New Mexico         66.2         76.7         0.3         10.8           New York <sup>†§</sup> 69.7         74.7         -1.8         3.2           North Carolina         78.5         83.3         4.3         9.1           North Dakota         96.4         95.4         0.8         -0.2           Ohio         87.9         87.6         1.7         1.4           Oklahoma <sup>†§</sup> 58.0         73.1         0.4         15.5           Oregon <sup>†§</sup> 24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota <sup>†§</sup> 100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah <sup>†§</sup> 3.1         1.7         52.6         51.2           Ve		2.1			
New Mexico         66.2         76.7         0.3         10.8           New York <sup>†§</sup> 69.7         74.7         -1.8         3.2           North Carolina         78.5         83.3         4.3         9.1           North Dakota         96.4         95.4         0.8         -0.2           Ohio         87.9         87.6         1.7         1.4           Oklahoma <sup>†§</sup> 58.0         73.1         0.4         15.5           Oregon <sup>†§</sup> 24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota <sup>†§</sup> 100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah <sup>†§</sup> 3.1         1.7         52.6         51.2           Vermont         57.4         54.2         4.5         1.3           Virgi					
New York <sup>†§</sup> 69.7         74.7         -1.8         3.2           North Carolina         78.5         83.3         4.3         9.1           North Dakota         96.4         95.4         0.8         -0.2           Ohio         87.9         87.6         1.7         1.4           Oklahoma <sup>†§</sup> 58.0         73.1         0.4         15.5           Oregon <sup>†§</sup> 24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota <sup>†§</sup> 100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah <sup>†§</sup> 3.1         1.7         52.6         51.2           Vermont         57.4         54.2         4.5         1.3           Virginia         72.1         93.3         1.7         22.9					
North Carolina         78.5         83.3         4.3         9.1           North Dakota         96.4         95.4         0.8         -0.2           Ohio         87.9         87.6         1.7         1.4           Oklahoma†§         58.0         73.1         0.4         15.5           Oregon†§         24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota†§         100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah†§         3.1         1.7         52.6         51.2           Vermont         57.4         54.2         4.5         1.3           Virginia         72.1         93.3         1.7         22.9	New Mexico				
North Dakota         96.4         95.4         0.8         -0.2           Ohio         87.9         87.6         1.7         1.4           Oklahoma†§         58.0         73.1         0.4         15.5           Oregon†§         24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota†§         100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah†§         3.1         1.7         52.6         51.2           Vermont         57.4         54.2         4.5         1.3           Virginia         72.1         93.3         1.7         22.9					
Ohio         87.9         87.6         1.7         1.4           Oklahoma†§         58.0         73.1         0.4         15.5           Oregon†§         24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota†§         100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah†§         3.1         1.7         52.6         51.2           Vermont         57.4         54.2         4.5         1.3           Virginia         72.1         93.3         1.7         22.9					
Oklahoma <sup>†§</sup> 58.0         73.1         0.4         15.5           Oregon <sup>†§</sup> 24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota <sup>†§</sup> 100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah <sup>†§</sup> 3.1         1.7         52.6         51.2           Vermont         57.4         54.2         4.5         1.3           Virginia         72.1         93.3         1.7         22.9					
Oregon†§         24.8         17.2         4.7         2.6           Pennsylvania         20.9         54.2         -0.2         33.1           Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota†§         100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah†§         3.1         1.7         52.6         51.2           Vermont         57.4         54.2         4.5         1.3           Virginia         72.1         93.3         1.7         22.9					
Pennsylvania 20.9 54.2 -0.2 33.1 Rhode Island 100.0 85.1 -0.5 -15.4 South Carolina 90.0 91.2 3.4 4.6 South Dakota  100.0 86.2 8.8 -5.0 Tennessee 92.0 94.5 -0.8 1.7 Texas 64.0 65.7 12.4 14.1 Utah  1 1.7 52.6 51.2 Vermont 57.4 54.2 4.5 1.3 Virginia 72.1 93.3 1.7 22.9	Oregonts				
Rhode Island         100.0         85.1         -0.5         -15.4           South Carolina         90.0         91.2         3.4         4.6           South Dakota					
South Carolina         90.0         91.2         3.4         4.6           South Dakota 18         100.0         86.2         8.8         -5.0           Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah 18         3.1         1.7         52.6         51.2           Vermont         57.4         54.2         4.5         1.3           Virginia         72.1         93.3         1.7         22.9					
South Dakota †§       100.0       86.2       8.8       -5.0         Tennessee       92.0       94.5       -0.8       1.7         Texas       64.0       65.7       12.4       14.1         Utah†§       3.1       1.7       52.6       51.2         Vermont       57.4       54.2       4.5       1.3         Virginia       72.1       93.3       1.7       22.9					
Tennessee         92.0         94.5         -0.8         1.7           Texas         64.0         65.7         12.4         14.1           Utah <sup>†§</sup> 3.1         1.7         52.6         51.2           Vermont         57.4         54.2         4.5         1.3           Virginia         72.1         93.3         1.7         22.9	South Dakota 18				
Texas         64.0         65.7         12.4         14.1           Utah t					
Utah†§     3.1     1.7     52.6     51.2       Vermont     57.4     54.2     4.5     1.3       Virginia     72.1     93.3     1.7     22.9					
Vermont 57.4 54.2 4.5 1.3 Virginia 72.1 93.3 1.7 22.9	Utah†§				
Virginia 72.1 93.3 1.7 22.9	Vermont				
Washington 1 52 2 44 0 24 0 0.7	Virginia	72.1			
vvasinigion 55.2 41.0 21.9 9.7	Washington†§	53.2	41.0	21.9	9.7
West Virginia <sup>†§</sup> 82.1 65.3 26.4 9.6	West Virginia <sup>†§</sup>	82.1			9.6
Wisconsin 93.0 89.3 0.4 -3.3	Wisconsin	93.0		0.4	-3.3
Wyoming <sup>†</sup> 35.7 29.7 6.7 0.7	Wyoming <sup>†</sup>	35.7	29.7	6.7	0.7

\* Defined as a fluoride concentration of 0.7–1.2 ppm, depending on the average maximum daily air temperature in the area.

Estimate for 2000 was changed from that previously reported because of

Estimate for 2000 was changed from that previously reported because of new methodology, improvements in the quality and accuracy of Water Fluoridation Reporting System (WFRS) data, or rounding error. Previous estimates were as follows: United States, 65.8%; Alabama, 89.2%; Ar-

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