

*optimally fluoridated - is our  
CW supply optimally fluoridated?*

## Status of Fluoridation in the United States

June 2014

In 2012, approximately 74.6% of the U.S. population (210.7 million people) served by public water systems received the benefit of optimally fluoridated water.<sup>1</sup> This is an increase of more six million people from 2010<sup>2</sup> when 73.9% of the U.S. population on public water systems, or a total of 204.3 million people, received optimally fluoridated water. This extends the historic growth of fluoridation.

Healthy People 2020 Objective 13 states that at least 79.6% of the U.S. population served by community water systems should be receiving the benefits of optimally fluoridated water by 2020.<sup>3</sup>

<sup>1</sup> Centers for Disease Control and Prevention. Water Fluoridation.

Accessed June 2014 at <http://www.cdc.gov/fluoridation/statistics/2012stats.htm>

<sup>2</sup>Centers for Disease Control and Prevention. Water Fluoridation

Accessed June 2014 at <http://www.cdc.gov/fluoridation/statistics/2010stats.htm>

<sup>3</sup> Healthy People 2020 Accessed June 2014 at

<http://www.healthypeople.gov/2020/topicsobjectives2020/objectiveslist.aspx?topicId=32>

## U.S. Communities Voting to Adopt Fluoridation\*

Updated June 2014. Current through calendar year 2013.

### Alabama

Madison (to retain)	2012
Russellville (To retain)	2008
North Baldwin Utilities (To retain)	2007

### Alaska

Anchorage (To retain)	2013
Bethel (To retain)	2011
Kotlik	2011
Nome (To retain)	2011
Seward	2009
Fairbanks (To retain)	2008
Port Lyons	2004

### Arkansas

DeQueen	2012
Dumas	2012
Southside Public Water Authority	2012
Warren	2012
Yorktown	2012
Carroll-Boone Water District	2011
Fort Smith	2011
El Dorado	2010
Conway (To retain)	2008
Prescott	2003
Monticello (To retain)	2003
Dardanelle	2002
Rector	2002

Kimsy East	2002
Little River	2002
Berryville	2000
Benton-Washington County Water Assoc.	1999
Gentry	1999
Grand Prairie Water District	1999
Siloam Springs	1999
Arizona	
Phoenix (to retain)	2012
Yuma	2001
Gilbert	2000
Mesa	2000
El Mirage	1999
Mesa	1998
California	
Olivehurst Public Utility (to retain)	2012
County of Sacramento	2011
City of Sacramento (To retain)	2011
Santa Clara Valley Water District	2011
Yuba City (To retain)	2011
Crescent City (To retain)	2010
Watsonville	2010
Helix Water District (To retain)	2009
San Diego	2008
Arcata (To retain)	2006
West Sacramento	2006
Inglewood	2005
Santa Maria (To retain)	2004
Stockton	2003
Salinas	2003
Metropolitan Water Dist. of Southern CA	2003
Palo Alto (To retain)	2003
Mammoth	2002
Santa Maria	2002
Escondido	2001
Santa Monica	2001
San Francisco Public Utilities Commission	2001
Watsonville	2001
Sacramento County	2000
San Diego	2000
Sunnyvale	2000
Los Angeles	1999
Sacramento	1999
Yuba City	1999
Mountain View	1998
Colorado	
Aspen (to retain)	2012
Arvada (To retain)	2011

Denver (To retain)	2011
Durango (To retain)	2009
Project 7 Water Treatment Plan (To retain)	2009
Aspen (To retain)	2008
Erie	2008
Boulder (To retain)	2006
Fort Collins (To retain)	2005
Glenwood Springs (To retain)	2005
Fort Collins (To retain)	2003
Superior	2000
Colorado Springs	1999
Fort Morgan	1999
Canon City	1998
<b>Connecticut</b>	
East Lyme Water & Sewer Commission (To retain)	2011
<b>Florida</b>	
Brooksville (To retain)	2013
Auburndale (To retain)	2012
Naples (To retain)	2012
Ormond Beach (To retain)	2012
Pinellas County	2012
Pinellas Park	2012
Tarpon Springs	2012
Collier County (To retain)	2011
Dunedin (To retain)	2011
Great Pine Island	2011
Holly Hill (To retain)	2011
Stuart (To retain)	2011
Plant City	2010
Deland (To retain)	2009
Fellsmere	2009
Gainesville (To retain)	2009
Port Orange (To retain)	2009
Brooksville (To retain)	2008
Stuart (To retain)	2008
Daytona Beach (To retain)	2007
Palm Beach (To retain)	2006
Eustis (To retain)	2005
Stuart	2005
Pinellas County Utilities	2003
Palm Beach County Water Utilities	2003
Jefferson Communities	2002
Martin County	2002
Bartow	2001
Chattahoochee	2001
Orange County	2001
Boynton Beach	2000
Fellsmere	2000

Flagler County	2000
Ocean Ridge	2000
Wellington	2000
Eatonville	1999
North Brevard County	1999
Wellington	1999
Bradenton	1998
Escamiba County (Pensacola)	1998
Pompano Beach	1998
Georgia	
Big Canoe	2009
Jeffersonville	2001
Manor Water Authority	2001
Odom	2001
Senoia	2001
Hawaii	
Lanai	2001
Idaho	
Lewiston (To retain)	2011
Sandpoint (To retain)	2009
Indiana	
Huntingburg (to retain)	2012
Greensburg	2009
Rockville	2001
Seelyville	2001
Connersville	2000
Carlisle	1998
Iowa	
Davenport (To retain)	2013
Des Moines (To retain)	2013
Hampton (To retain)	2013
Storm Lake	2013
Maquoketa (To retain)	2012
Davenport (To retain)	2011
Des Moines (To retain)	2011
DeSoto (To retain)	2011
Dubuque (To retain)	2011
Iowa City (To retain)	2011
Monona (To retain)	2011
Stantin (To retain)	2011
Treynor (To retain)	2011
Vinton (To retain)	2011
Waterloo (To retain)	2011
Dubuque (To retain)	2010
Iowa City (To retain)	2010
Vinton City (To retain)	2009
Hampton (To retain)	2006
Rock Valley	2000
Kansas	

Cheney City (To retain)	2011
Parsons City	2008
Garden City	2005
Leavenworth	2000
Hesston	1999
Kanopolis	1999
Newton	1999
Abilene	1998
Kentucky	
Arlington	2003
Louisiana	
Crowley (To retain)	2009
Walker	2007
Crowley	2004
Plaquemines Parish	1998
Maine	
Great Salt Bay Sanitary District (To retain)	2011
Island Falls	2009
Vinalhaven	2008
Bangor (To retain)	2007
Jackman (To retain)	2006
Moose River (To retain)	2006
Arundel	2002
Berwick	2002
Biddeford	2002
Boothbay	2002
Boothbay Harbor	2002
Kennebunk	2002
Kennebunkport	2002
Ogunquit	2002
Southport	2002
Wells	2002
York	2002
Monmouth	2001
Dover-Foxcroft	2000
Freeport	1999
South Freeport	1999
Maryland	
Northeast	2009
Cumberland	2000
Frostburg	2000
Loch Lynn	2000
Mountain Lake	2000
Boonesboro	1999
Keedysville	1999
Middletown	1999
<u>Massachusetts</u>	
Duxbury (To retain)	2013
Templeton (To retain)	2013

Woodland (To retain)	2013.
Groveland (To retain)	2011
Templeton (To retain)	2011
Athol (To retain)	2009
North Attleboro (To retain)	2007
Long Meadow (To retain)	2007
New Bedford	2006
North Attleboro (To retain)	2005
Woburn	2002
North Attleboro	2000
Rowley	1998
Wayland	1998
<b>Michigan</b>	
Marine City (To retain)	2010
Pinckney	2010
Dexter	2009
Port Huron (To retain)	2008
New Baltimore (To retain)	2008
Grand Ledge	2006
Mt. Pleasant	2005
St. Ignace (To retain)	2005
Grayling	2004
Union City	2004
<b>Mississippi</b>	
Central Rankin Water Association	2012
City of Winnoa	2012
Town of Vaiden	2012
City of Pass Christian	2011
Crooked Creek Water Association	2011
East Leflore County Water & Sewer	2011
Ellisville	2011
Grenada	2011
Hiwannee Water Association	2011
Lampton Water Association	2011
Mt Comfort Water Association	2011
Smithville	2011
City of Bay St. Louis	2010
City of Bruce	2010
City of Waveland	2010
D'Iberville Water and Sewer	2010
Hancock Water and Sewer	2010
Harmony Water Association	2010
Hotophia Water Association	2010
Improve Water Association	2010
Kiln Water and Fire	2010
Leesburg Water Association	2010
Naval Construction Battal	2010
New Hope Water Association	2010

Northeast Copiah Water Association	2010
Pearlington Water Association	2010
Rose Hill Water Association	2010
Sparta Water Association	2010
Town of Derma	2010
Kossuth Water Association	2009
Fisher Ferry Water System	2009
Alcorn State University	2009
Beat III Water Association	2007
Central Yazoo Water Association	2007
City of Itta Bena	2007
City of Nettletown	2007
City of Pascagoula	2007
Diamondhead Utilities	2007
Double Ponds Water Association	2007
Glendale Utility District	2007
Hilton Heights Water Association	2007
Hopewell Water Association	2007
Marydell Water Association	2007
Smith's Crossing Water Association	2007
Southwest Leake Water Association	2007
Sunrise Utilities	2007
Town of Ackerman	2007
Town of Baldwin	2007
Town of Wesson	2007
Westwick Utilities	2007
Guntown	2006
Lebanon Water Association	2006
Puckett	2006
Quincy Water Association	2006
University of MS at Oxford	2005
Collinsville	2005
Pontotoc	2005
Maben	2005
Ashland	2005
Prairie Land Water Assoc.	2005
Alcorn Water Association	2004
Buffalo (To retain)	2004
Cason Water Association	2004
Combined Utilities	2004
Farmington Water Association	2004
Freeny Water Association	2004
Greenfield Water Association	2004
City of Iuka	2004
City of McComb	2004
Okatoma Water Association	2004
City of Petal	2004
City of Picayune	2004
Town of Port Gibson	2004

City of Richland	2004
North Lauderdale Water Association	2004
Town of Summitt	2004
Town of Tchula	2004
Topisaw Creek	2004
West Lamar Water Association	2004
<b>Missouri</b>	
Columbia (To retain)	2013
Forsyth (To retain)	2013
St. Joseph (to retain)	2012
Bolivar (To retain)	2011
Liberty (To retain)	2011
Bolivar (To retain)	2010
St. Roberts (To retain)	2009
Keytesville	2006
Stockton (To retain)	2006
Carl Junction	2005
Jefferson City (To retain)	2005
Joplin	2004
Webb City	2004
Osage Beach	2001
Buffalo	2000
Monett	2000
<b>Montana</b>	
Bozeman (to retain)	2012
Two Medicine Water Project	2008
Chester	2001
<b>Nebraska</b>	
Gretna	2011
Alma	2008
Ashland	2008
Crete	2008
Dakota City	2008
Franklin	2008
North Bend	2008
Seward	2008
Wahoo	2008
Wisner	2008
Wakefield	2008
Yutan	2008
York	2002
Waterloo	1999
Waverly	1998
<b>Nevada</b>	
Clark County/Las Vegas (To retain)	2000
Clark County/Las Vegas (state law passed)	1999
<b>New Hampshire</b>	
Bedford (To retain)	2004
Goffstown (To retain)	2004

Hooksett (To retain)	2004
Londonderry (To retain)	2004
Manchester (To retain)	2004
Manchester	1999
New Jersey	
Hightstown	2012
Atlantic City	2008
Jersey City	2002
South Brunswick	1999
New Mexico	
Santa Fe (To retain)	2013
New York	
Delhi Village (To retain)	2013
Lydonville Village (To retain)	2013
Springville Village (To retain)	2013
Walden Village (To retain)	2013
Yorktown Village (To retain)	2013
Messena (To retain)	2011
Walden (To retain)	2010
Cobleskill	2009
Plattsburg (To retain)	2009
Poughkeepsie Joint Water Board	2007
Corning	2006
Middletown	2003
Dansville	2000
North Carolina	
Durham (To retain)	2013
Graham Mebane Water System (To retain)	2013
Orange Water and Sewer Authority (To retain)	2013
Raleigh (To retain)	2013
Broad River Water Authority (To retain) Nano-Filtration Plant, Cape Fear Public Utility Authority	2009
Asheville (To retain)	2008
Hendersonville (To retain)	2008
Franklinton	1998
MOASA/Vass	1998
Richmond County	1998
North Dakota	
Glen Ullin	1998
Hebron	1998
Hettinger	1998
Jud	1998
Monango	1998
New England	1998
Northwood	1998
Reeder	1998
Ohio	

Lebanon	2012
Northern Area Water Authority	2007
Delaware	2000
<b>Oklahoma</b>	
Stigler	2009
Pawhuska (To retain)	2009
Haskell County	2005
Coalgate	2001
Pittsburg	2001
Pittsburg County Rural Water District	2001
City of Woodward	2000
Pittsburg County Public Works Authority	2000
Okemah	1999
Pittsburg County Water Authority	1999
<b>Oregon</b>	
Scappoose (To retain)	2013
The Dalles (To retain)	2013
Philomath	2012
Portland (City Council vote)	2012
(Public Vote 2013 reversed 2012 vote)	
Keizer (To retain)	2010
McMinnville (To retain)	2010
Beaverton	2002
Lebanon	2000
<b>Pennsylvania</b>	
Tyrone (To retain)	2013
Shippensburg (to retain)	2012
West Mannheim (to retain)	2012
Pottstown (To retain)	2009
Erie	2001
Allentown	1999
Allentown	1998
<b>South Carolina</b>	
Aiken (To retain)	2011
Dillion (To retain)	2007
<b>Tennessee</b>	
South Blount County Utilities District	
(To retain)	2013
Selmer (To retain)	2009
Shelbyville City (To retain)	2009
Union City (To retain)	2009
South Blount County	2008
<b>Texas</b>	
Austin (To retain)	2011
Sequin	2009
Sulphur Springs (To retain)	2008
Elgin	2007
Del Rio (To retain)	2006
Alamo Heights	2004

	Abilene	2000
	San Antonio	2000
Utah		
	Davis County (Layton) (To retain)	2004
	Salt Lake County (Salt Lake City)	2000
	Davis County (Layton)	2000
Vermont		
	Bradford	2013
	Proctor (To retain)	2010
	Newbury (To retain)	2009
	Bradford (To retain)	2008
	Randolph (To retain)	2008
	Rutland (To retain)	2008
	Bellows Falls (To retain)	2006
	Montpelier (To retain)	2006
	Burlington (To retain)	2005
	Pownal	2000
	Hinesburg	1999
	Randolph	1998
Virginia		
	Albemarle County (to retain)	2012
	City of Charlottesville (to retain)	2012
	Blacksburg-Christiansburg-VPI Water Authority (To retain)	2011
	Nelson County Service Authority	2011
	Staunton (To retain)	2009
	Timberville (To retain)	2009
	Brookneal	2007
	Cumberland County	2007
Washington		
	Pasco	2009
	Skagit County	2006
	Lakewood	2004
	Sultan	2003
	Port Angeles	2003
	Pierce County	2002
	Puyallup	2002
	Aberdeen	1998
	Pasco	1998
	Yakima County	1999
West Virginia		
	Clarksburg (To retain)	2013
	Keyser (To retain)	2013
	Martinsburg (To retain)	2013
	Clarksburg (To retain)	2009
	Clay Municipal Water Works	2007
Wisconsin		
	Holmen (To retain)	2013
	St. Croix Falls (To retain)	2013

Waupaca (To retain)	2013
Milwaukee (To retain)	2012
Sun Prairie	2012
Alma (To retain)	2011
Avoca (To retain)	2011
Mt. Horeb (To retain)	2011
Amery (To retain)	2010
Poynette	2009
Elroy (To retain)	2008
Fond du Lac (To retain)	2008
Holmen	2008
Antigo (To retain)	2006
Mellen	2002
Arena	2001
Horicon (to retain)	2001
Lake Delton	2001
Hurley	1999
LaValle	1998
Merrimac	1998
Rock Springs	1998

**\*1999 – 2014 ADA/ASTDD/CDC Fluoridation Awards Brochure**  
**Includes awards given for calendar year 2013.**

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## 2012 Water Fluoridation Statistics

These statistics were prepared using water system data reported by states to the CDC Water Fluoridation Reporting System as of December 31, 2012, and the US Census Bureau state population estimates for 2012.

### National Water Fluoridation Statistics

Total US population, people <sup>a</sup>	313,914,040	
US population on community water systems (CWS), people <sup>b</sup>	282,534,910	
Total US population on fluoridated drinking water systems, people <sup>b</sup>	210,655,401	5
Percentage of US population receiving fluoridated water <sup>c</sup>	67.1%	
Percentage of US population on CWS receiving fluoridated water <sup>d</sup>	74.6%	103
Total number of CWS in United States <sup>b</sup>	52,734	
Number of CWS providing fluoridated water <sup>b</sup>	18,502	103 x 45M
Number of CWS <u>adjusting fluoride</u> <sup>b</sup>	• 5,999	
Number of CWS consecutive to systems with optimal fluoride levels <sup>b</sup>	6,342	103 x 200 200 x 45M
Number of CWS with naturally occurring fluoride at or above optimal levels <sup>b,e</sup>	6,151	
Population served by CWS with naturally occurring fluoride at or above optimal levels <sup>b,e</sup>	11,116,202	

### State Fluoridation Percentage Calculations and States Ranked by Fluoridation Percentage

State	People receiving fluoridated water	People served by CWS	%	Rank
United States	210,655,401	282,534,910	74.6%	
Alabama <sup>f</sup>	3,781,607	4,822,023	78.4%	23
Alaska	361,240	682,528	52.9%	41
Arizona	3,199,068	5,536,324	57.8%	38
Arkansas	1,785,679	2,669,485	66.9%	33
California <sup>f,g,h</sup>	24,215,234	38,041,430	63.7%	34
Colorado <sup>f</sup>	3,757,694	5,187,582	72.4%	28
Connecticut	2,350,532	2,603,377	90.3%	14

Delaware	705,824	818,110	86.3%	19
District of Columbia	595,000	595,000	100%	
Florida	13,371,262	17,149,724	78.0%	24
Georgia <sup>f</sup>	9,551,793	9,919,945	96.3%	6
Hawaii	139,598	1,290,549	10.8%	50
Idaho	395,863	1,097,332	36.1%	46
Illinois <sup>f</sup>	12,682,543	12,875,255	98.5%	3
Indiana	4,342,273	4,582,496	94.8%	8
Iowa	2,555,593	2,778,894	92.0%	12
Kansas	1,719,503	2,702,452	63.6%	Tied for 35
Kentucky <sup>f</sup>	4,375,026	4,380,415	99.9%	1
Louisiana <sup>f</sup>	1,996,568	4,601,893	43.4%	45
Maine	527,163	664,063	79.4%	22
Maryland	5,060,379	5,204,155	97.2%	4
Massachusetts <sup>f</sup>	4,681,038	6,646,144	70.4%	<u>31</u>
Michigan	7,218,670	7,999,859	90.2%	15
Minnesota	4,134,663	4,184,753	98.8%	2
Mississippi <sup>f</sup>	1,738,478	2,984,926	58.2%	37
Missouri	3,994,342	5,226,360	76.4%	26
Montana	252,299	788,805	32.0%	47
Nebraska	1,015,094	1,425,664	71.2%	30
Nevada	1,870,698	2,544,079	73.5%	27
New Hampshire	383,333	832,631	46.0%	43
New Jersey	1,206,270	8,288,715	14.6%	49
New Mexico	1,210,877	1,571,600	77.0%	25
New York	12,989,488	18,094,452	71.8%	29
North Carolina	6,164,847	7,042,655	87.5%	18
North Dakota	612,560	633,645	96.7%	5
Ohio	9,716,289	10,537,957	92.2%	11
Oklahoma	2,486,718	3,548,057	70.1%	32
Oregon	833,557	3,688,540	22.6%	48
Pennsylvania	5,885,390	10,780,146	54.6%	40
Rhode Island	837,549	997,824	83.9%	20
South Carolina	3,602,956	3,839,526	93.8%	9

South Dakota	646,671	690,759	93.6%	10
Tennessee	5,229,461	5,826,866	89.7%	16
Texas	20,002,506	25,113,656	79.6%	21
Utah	1,384,638	2,676,448	51.7%	42
Vermont	252,920	450,483	56.1%	39
Virginia	6,159,737	6,416,760	96.0%	7
Washington	3,515,797	5,525,840	63.6%	Tied for 35
West Virginia	1,365,697	1,499,749	91.1%	13
Wisconsin	3,597,525	4,025,756	89.4%	17
Wyoming	195,891	449,223	43.6%	44

### Footnotes

a. Census Population Count 2012. Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2010, to July 1, 2012, (NST-EST2012-01). Source: US Census Bureau, Population Division. Release Date: December 2012. Available at <http://www.census.gov/popest/data/intercensal/state/state2012.html> (<http://www.census.gov/popest/data/intercensal/state/state2020.html>) & (<http://www.cdc.gov/Other/disclaimer.html>).

b. Reported in CDC Water Fluoridation Reporting System (WFRS). For purposes of this report, a water system is considered a community water system if so designated by the state drinking water administrator in accordance with the regulatory requirements of the US Environmental Protection Agency. In general, public water systems provide water for human consumption through pipes or other constructed conveyances to at least 15 service connections, or serve an average of at least 25 people for at least 60 days a year. A community water system is a public water system that supplies water to the same population year-round. Available at <http://water.epa.gov/infrastructure/drinkingwater/pws/factoids.cfm> (<http://water.epa.gov/infrastructure/drinkingwater/pws/factoids.cfm>) & (<http://www.cdc.gov/Other/disclaimer.html>).

c. Fluoridated population divided by total population.

d. Fluoridated population divided by population served by community water systems.

e. The increase from 2010 to 2012 in the population served by CWS with naturally occurring fluoride at or above optimal levels is due in part to two changes: 1) several states have improved the completeness and accuracy of their data for the natural fluoride concentration of community water systems and 2) some states had implemented the proposed recommendation of 0.7mg/L as the optimal concentration of fluoride in drinking water by December 31, 2012. See Federal Register Notice. Available at <https://federalregister.gov/a/2011-637> (<https://federalregister.gov/a/2011-637>) & (<http://www.cdc.gov/Other/disclaimer.html>).

f. Population served by CWS exceeded the US Census state population estimate; number of people was reduced by the ratio of the population estimate to the CWS population estimate.

g. Complete data were not available from WFRS; state provided additional information.

h. California is developing new methodology to describe the fluoridated status of water systems

that draw water from multiple sources (e.g., ground water, surface water). This report does not reflect California's new methodology.

## Additional Resources

More detail on U.S. Census Bureau estimates can be found at [Calculating Fluoridation Statistics \(/fluoridation/factsheets/engineering/wf\\_statistics.htm\)](/fluoridation/factsheets/engineering/wf_statistics.htm)

Historical fluoridation statistics are available at [Reference Statistics \(/fluoridation/statistics/reference\\_stats.htm\)](/fluoridation/statistics/reference_stats.htm)

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Content source: [Division of Oral Health](#), [National Center for Chronic Disease Prevention and Health Promotion](#)

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