

# HEALTH

## U.S. Health Expenditures, 1960-2017

Source: Office of the Actuary, Centers for Medicare & Medicaid Services, U.S. Dept. of Health and Human Services

Type of expenditure	1960	1970	1980	1990	2000	2010	2016	2017
<b>Amount in billions</b>								
<b>NATIONAL HEALTH EXPENDITURES . . . .</b>	<b>\$27.2</b>	<b>\$74.6</b>	<b>\$255.3</b>	<b>\$721.4</b>	<b>\$1,369.2</b>	<b>\$2,498.6</b>	<b>\$3,361.1</b>	<b>\$3,492.1</b>
<b>Percent distribution</b>								
<b>Health consumption expenditures . . . . .</b>	<b>90.8%</b>	<b>89.9%</b>	<b>92.2%</b>	<b>93.4%</b>	<b>93.9%</b>	<b>94.5%</b>	<b>95.3%</b>	<b>95.2%</b>
Personal health care . . . . .	85.5	84.6	85.0	85.3	84.8	84.5	84.9	84.8
Hospital care . . . . .	33.0	36.4	39.4	34.7	30.3	31.6	32.5	32.7
Professional services . . . . .	29.1	26.5	25.3	28.7	28.3	26.5	26.3	26.3
Physician and clinical services . . . . .	20.4	19.2	18.7	22.0	21.0	19.7	19.8	19.9
Other professional services . . . . .	1.4	1.0	1.4	2.4	2.7	2.7	2.7	2.8
Dental services . . . . .	7.3	6.3	5.2	4.4	4.5	4.1	3.7	3.7
Other health, residential, personal care . . . . .	1.6	1.7	3.3	3.3	4.7	5.0	5.2	5.2
Home health care <sup>1</sup> . . . . .	0.2	0.3	0.9	1.7	2.4	2.8	2.8	2.8
Nursing care facilities and continuing care retirement communities <sup>1</sup> . . . . .	3.0	5.4	6.0	6.2	6.2	5.4	4.9	4.8
Retail outlet sales of medical products . . . . .	18.5	14.2	10.1	10.6	13.0	13.2	13.3	12.9
Prescription drugs . . . . .	9.8	7.4	4.7	5.6	8.8	9.7	9.9	9.5
Durable medical equipment . . . . .	2.7	2.3	1.6	1.9	1.8	1.5	1.5	1.6
Other nondurable medical products . . . . .	6.0	4.5	3.8	3.1	2.3	2.0	1.9	1.8
Government administration <sup>2</sup> . . . . .	0.2	1.0	1.1	1.0	1.2	1.2	1.3	1.3
Net cost of health insurance . . . . .	3.7	2.5	3.6	4.4	4.7	5.9	6.6	6.6
Government public health activities . . . . .	1.4	1.8	2.5	2.8	3.1	2.9	2.5	2.5
<b>Investment . . . . .</b>	<b>9.2</b>	<b>10.1</b>	<b>7.8</b>	<b>6.6</b>	<b>6.1</b>	<b>5.5</b>	<b>4.7</b>	<b>4.8</b>
Research <sup>3</sup> . . . . .	2.6	2.6	2.1	1.8	1.9	1.9	1.4	1.5
Structures and equipment . . . . .	6.7	7.5	5.7	4.8	4.2	3.6	3.3	3.3

### Average annual percent change from previous year shown

	—	10.6%	13.1%	10.9%	6.6%	6.6%	4.4%	3.9%
<b>NATIONAL HEALTH EXPENDITURES . . . . .</b>	—	<b>10.5</b>	<b>13.4</b>	<b>11.1</b>	<b>6.7</b>	<b>6.7</b>	<b>4.5</b>	<b>3.8</b>
<b>Health consumption expenditures . . . . .</b>	—	10.5	13.2	11.0	6.6	6.6	4.5	3.8
Personal health care . . . . .	—	11.7	14.0	9.6	5.2	7.1	4.9	4.6
Hospital care . . . . .	—	9.6	12.6	12.4	6.4	5.9	4.3	4.1
Professional services . . . . .	—	9.9	12.8	12.7	6.2	5.9	4.5	4.2
Physician and clinical services . . . . .	—	6.3	17.0	17.4	7.8	6.7	4.8	4.6
Other professional services . . . . .	—	9.0	11.0	9.0	7.0	5.5	2.8	3.2
Dental services . . . . .	—	11.5	20.5	11.0	10.4	7.3	5.0	5.6
Other health, residential, personal care . . . . .	—	14.5	26.9	18.1	9.9	8.3	4.5	4.3
Home health care <sup>1</sup> . . . . .	—	17.4	14.2	11.4	6.6	5.2	2.5	2.0
Nursing care facilities and continuing care retirement communities <sup>1</sup> . . . . .	—	7.7	9.4	11.4	8.8	6.8	4.4	1.4
Retail outlet sales of medical products . . . . .	—	7.5	8.2	12.8	11.6	7.7	4.6	0.4
Prescription drugs . . . . .	—	9.0	8.8	13.0	6.2	4.7	4.2	6.8
Durable medical equipment . . . . .	—	7.4	11.4	8.6	3.5	5.0	3.4	2.2
Other nondurable medical products . . . . .	—	30.0	14.1	10.0	9.0	5.9	6.8	0.5
Government administration <sup>2</sup> . . . . .	—	6.4	17.2	13.0	7.4	9.1	6.2	4.0
Net cost of health insurance . . . . .	—	13.8	16.9	12.0	8.0	5.8	2.1	3.9
Government public health activities . . . . .	—	<b>11.6</b>	<b>10.2</b>	<b>9.1</b>	<b>5.8</b>	<b>5.5</b>	<b>1.7</b>	<b>6.0</b>
<b>Investment . . . . .</b>	—	10.9	10.8	8.9	7.2	6.8	-0.5	6.5
Research <sup>3</sup> . . . . .	—	11.9	10.0	9.2	5.3	4.9	2.8	5.7
Structures and equipment . . . . .	—							

— = Not applicable. **Note:** Numbers may not add up to totals due to rounding. (1) In freestanding facilities only. Additional services of this type provided in hospital-based facilities are counted as hospital care. (2) Incl. all administrative costs (e.g., employee salaries) associated with insuring individuals enrolled in federally managed health insurance programs. (3) Research and development expenditures of drug companies and other mfrs. and providers of med. equip. and supplies are included in the expenditure class in which a product falls instead of here.

## Health Coverage for Persons Under 65, 1984-2017

Source: National Health Interview Survey, National Center for Health Statistics, CDC, U.S. Dept. of Health and Human Services (percent of population)

	Private insurance <sup>1</sup>				Medicaid <sup>1,2</sup>				Not covered <sup>3</sup>			
	1984	2000	2010	2017	1984	2000	2010	2017	1984	2000	2010	2017
<b>Total . . . . .</b>	<b>76.8%</b>	<b>71.5%</b>	<b>61.7%</b>	<b>65.7%</b>	<b>6.8%</b>	<b>9.5%</b>	<b>16.9%</b>	<b>19.6%</b>	<b>14.5%</b>	<b>17.0%</b>	<b>18.2%</b>	<b>10.7%</b>
<b>Age</b>												
Under 18 years . . . . .	72.6	66.6	54.1	54.8	11.9	19.6	36.4	36.4	13.9	12.6	7.8	5.0
18-44 years . . . . .	76.5	70.5	60.0	67.1	5.1	5.6	10.9	14.7	17.1	22.4	27.1	15.4
45-64 years . . . . .	83.3	78.7	71.3	72.9	3.4	4.5	6.8	11.1	9.6	12.6	15.7	9.3
<b>Race and Hispanic origin</b>												
White only, non-Hispanic . . . . .	82.4	79.5	72.0	75.4	3.7	6.1	11.0	12.9	11.9	12.5	13.7	7.4
Black only, non-Hispanic . . . . .	58.2	56.0	45.1	51.4	20.7	21.0	30.0	32.1	19.7	19.5	20.7	11.1
Hispanic or Latino, any race . . . . .	55.7	47.8	36.8	45.1	13.3	15.5	28.6	31.4	29.5	35.6	32.0	20.6
<b>Percent of poverty level</b>												
Below 100% . . . . .	32.2	25.2	16.0	20.5	33.0	38.4	50.8	57.6	33.9	34.2	30.3	17.9
100%-199% . . . . .	70.3	50.1	34.8	35.8	5.3	16.2	28.5	39.8	21.8	31.0	32.4	18.1
200%-399% <sup>4</sup> . . . . .	89.3	78.1	70.7	82.8	0.8	4.0	8.4	6.5	7.6	15.4	17.4	7.1
400% or more . . . . .	95.4	91.9	89.9	NA	0.2	0.9	2.0	NA	3.2	5.9	5.6	NA
<b>Geographic region</b>												
Northeast . . . . .	80.5	76.3	68.2	70.5	8.6	10.6	17.9	20.4	10.2	12.2	12.4	6.1
Midwest . . . . .	80.6	78.8	66.7	71.0	7.4	8.0	17.3	17.4	11.3	12.3	14.1	8.6
South . . . . .	74.3	66.8	57.5	61.2	5.1	9.4	16.0	18.4	17.7	20.5	21.9	15.2
West . . . . .	71.9	66.5	58.9	63.8	7.0	10.4	17.1	22.8	18.2	20.7	20.6	9.2

NA = Not available. **Note:** Data based on household interviews of a sample of the civilian noninstitutionalized population. Totals incl. groups not shown separately. Because of questionnaire redesign, data for 1984 are not strictly comparable with data for later years. (1) Incl. persons who also had another type of coverage in addition. (2) Incl. other public assistance, such as a state-sponsored health plan or Children's Health Insurance Program (CHIP). (3) Incl. persons not covered by private insurance, Medicaid or other public assistance, Medicare, or military plans. (4) 200% or greater in 2017.

## Spending on Health in the 50 Most Populous Countries, 2016

Source: Global Health Expenditure Database, World Health Organization (WHO)

Country	As % of GDP	Per capita <sup>1</sup>	Country	As % of GDP	Per capita <sup>1</sup>	Country	As % of GDP	Per capita <sup>1</sup>	Country	As % of GDP	Per capita <sup>1</sup>
Afghanistan...	10.2%	\$57	France.....	11.5%	\$4,263	Morocco.....	5.8%	\$171	Sudan.....	5.7%	\$152
Algeria.....	6.6	260	Germany.....	11.1	4,714	Mozambique..	5.1	19	Tanzania....	4.1	35
Angola.....	2.9	95	Ghana.....	4.4	68	Myanmar....	5.1	62	Thailand....	3.7	222
Argentina....	7.5	955	India.....	3.6	62	Nepal.....	6.3	45	Turkey.....	4.3	469
Bangladesh..	2.4	34	Indonesia...	3.1	112	Nigeria....	3.6	79	Uganda.....	6.2	38
Brazil.....	11.8	1,016	Iran.....	8.1	415	Pakistan....	2.8	40	Ukraine....	6.7	141
Canada.....	10.5	4,458	Iraq.....	3.3	153	Peru.....	5.1	316	UK.....	9.8	3,958
China.....	5.0	398	Italy.....	8.9	2,739	Philippines..	4.4	129	U.S.....	17.1	9,870
Colombia....	5.9	340	Japan.....	10.9	4,233	Poland.....	6.5	809	Uzbekistan..	6.3	135
Congo, Dem.			Kenya.....	4.5	66	Russia.....	5.3	469	Venezuela...	3.2	1,578 <sup>2</sup>
Rep. of the..	3.9	21	Korea, South..	7.3	2,044	Saudi Arabia..	5.7	1,147	Vietnam....	5.7	123
Egypt.....	4.6	131	Malaysia....	3.8	362	South Africa..	8.1	428	Yemen <sup>2</sup> ....	5.6	72
Ethiopia....	4.0	28	Mexico.....	5.5	462	Spain.....	9.0	2,390	<b>World<sup>3</sup>....</b>	<b>6.3</b>	<b>844</b>

(1) At average exchange rate. (2) As of 2015, the latest year for which data was available. (3) Includes other nations not shown.

## Population Not Covered by Health Insurance by State, 1990-2018

Source: American Community Survey and Current Population Survey, U.S. Census Bureau, U.S. Dept. of Commerce (numbers in thousands)

	1990		2000		2018			1990		2000		2018	
	No. not covered	% pop. not covered	No. not covered	% pop. not covered	No. not covered	% pop. not covered		No. not covered	% pop. not covered	No. not covered	% pop. not covered	No. not covered	% pop. not covered
AL	710	17.4%	547	12.5%	481	10.0%	MT	115	14.0%	144	16.1%	86	8.2%
AK	77	15.4	108	17.4	90	12.6	NE	138	8.5	134	7.9	158	8.3
AZ	547	15.5	853	16.4	750	10.6	NV	201	16.5	321	15.7	336	11.2
AR	421	17.4	373	14.1	244	8.2	NH	107	9.9	97	7.9	77	5.7
CA	5,683	19.1	5,956	17.5	2,826	7.2	NJ	773	10.0	857	10.2	655	7.4
CO	495	14.7	559	12.9	422	7.5	NM	339	22.2	415	23.0	196	9.5
CT	226	6.9	300	8.9	187	5.3	NY	2,176	12.1	2,730	14.5	1,041	5.4
DE	96	13.9	66	8.5	54	5.7	NC	883	13.8	964	12.1	1,092	10.7
DC	109	19.2	71	12.8	22	3.2	ND	40	6.3	61	9.8	54	7.3
FL	2,376	18.0	2,591	16.2	2,728	13.0	OH	1,123	10.3	1,101	9.8	744	6.5
GA	971	15.3	1,126	13.9	1,411	13.7	OK	574	18.6	587	17.4	548	14.2
HI	81	7.3	95	7.9	56	4.1	OR	360	12.4	398	11.6	293	7.1
ID	159	15.2	198	15.4	193	11.1	PA	1,218	10.1	915	7.6	699	5.5
IL	1,272	10.9	1,474	12.0	875	7.0	RI	105	11.1	71	6.9	42	4.1
IN	587	10.7	608	10.1	545	8.3	SC	550	16.2	426	10.7	522	10.5
IA	225	8.1	233	8.1	147	4.7	SD	81	11.6	80	10.8	85	9.8
KS	272	10.8	256	9.6	250	8.8	TN	673	13.7	603	10.7	675	10.1
KY	480	13.2	509	12.7	248	5.6	TX	3,569	21.1	4,555	22.0	5,003	17.7
LA	797	19.7	736	16.8	363	8.0	UT	156	9.0	243	10.8	295	9.4
ME	139	11.2	131	10.4	106	8.0	VT	54	9.5	44	7.4	25	4.0
MD	601	12.7	473	9.0	357	6.0	VA	996	15.7	670	9.6	731	8.8
MA	530	9.1	450	7.1	189	2.8	WA	557	11.4	767	13.1	477	6.4
MI	865	9.4	767	7.8	535	5.4	WV	249	13.8	239	13.4	114	6.4
MN	389	8.9	393	8.0	244	4.4	WI	321	6.7	378	7.1	313	5.5
MS	531	19.9	368	13.2	354	12.1	WY	58	12.5	71	14.7	59	10.5
MO	665	12.7	474	8.6	566	9.4	<b>U.S.</b>	<b>34,719</b>	<b>13.9</b>	<b>36,586</b>	<b>13.1</b>	<b>28,554</b>	<b>8.9</b>

## Persons Not Covered by Health Insurance by Selected Characteristics, 2018

Source: Annual Social and Economic Supplement, Current Population Survey, U.S. Census Bureau, U.S. Dept. of Commerce (numbers without health insurance coverage for entire calendar year, in thousands)

Characteristic	Number not covered	% of pop. specified at left	Characteristic	Number not covered	% of pop. specified at left
<b>Total</b> .....	<b>27,462</b>	<b>8.5%</b>	<b>Household income</b>		
<b>Race and Hispanic origin<sup>1</sup></b>			Less than \$25,000.....	5,976	13.8%
White.....	20,345	8.2	\$25,000 to \$49,999.....	7,255	12.3
White, not Hispanic.....	10,571	5.4	\$50,000 to \$74,999.....	5,939	10.7
Black.....	4,141	9.7	\$75,000 to \$99,999.....	3,162	7.1
Asian.....	1,348	6.8	\$100,000 to \$124,999.....	1,924	5.6
Hispanic (any race).....	10,688	17.8	\$125,000 to \$149,999.....	1,143	4.9
<b>Age</b>			\$150,000 or more.....	2,063	3.2
Under 65 years.....	26,971	10.0	<b>Work experience<sup>4</sup></b>		
Under 19 years <sup>2</sup> .....	4,281	5.5	All workers.....	16,602	10.7
19 to 64 years.....	22,690	11.7	Full-time, year round.....	10,621	9.5
19 to 25 years <sup>3</sup> .....	4,192	14.3	Less than full-time, year round..	5,982	13.8
26 to 34 years.....	5,686	13.9	Did not work at least one week..	7,286	13.1
35 to 44 years.....	5,112	12.5	<b>Marital status<sup>5</sup></b>		
45 to 64 years.....	7,701	9.3	Married.....	8,463	8.3
65 years and older.....	491	0.9	Widowed.....	464	13.7
<b>Nativity</b>			Divorced.....	2,428	13.0
Native born.....	18,787	6.8	Separated.....	835	19.9
Foreign born.....	8,675	18.9	Never married.....	10,500	16.0
Naturalized citizen.....	1,956	8.8			
Not a citizen.....	6,719	28.6			

(1) Numbers are for one race alone unless otherwise noted. (2) Eligible for Medicaid/Children's Health Insurance Program. (3) May be eligible to be a dependent on a parent's health insurance. (4) Aged 15 to 64 years only. (5) Aged 19 to 64 years only.

## Effectiveness of the Seasonal Flu Vaccine, 2004-19

**Source:** National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention (CDC)

The CDC conducts studies to determine how effective each season's flu vaccine was in preventing the flu among a nationwide sample of patients.

Flu season	Vaccine effectiveness	Flu season	Vaccine effectiveness	Flu season	Vaccine effectiveness
2004-05	10%	2009-10	56%	2014-15	19%
2005-06	21	2010-11	60	2015-16	48
2006-07	52	2011-12	47	2016-17	40
2007-08	37	2012-13	49	2017-18	38
2008-09	41	2013-14	52	2018-19*	47

\* = Preliminary.

## Weight Guidelines for Adults

**Source:** National Center for Health Statistics, CDC, U.S. Dept. of Health and Human Services

Clinical guidelines on the identification, evaluation, and treatment of overweight and obesity in adults were released in 1998 by the National Heart, Lung, and Blood Institute (NHLBI) in cooperation with the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). The guidelines define overweight and obese in terms of **body mass index (BMI)**. BMI, based on a person's weight and height, can be an indicator of total body fat. A BMI of 18.5-24.9 is considered normal weight while 25.0-29.9 is said to indicate **overweight**; a BMI of 30.0 or higher indicates **obesity**. BMI can be calculated at [www.nhlbi.nih.gov/health/educational/lose\\_wt/BMI/bmicalc.htm](http://www.nhlbi.nih.gov/health/educational/lose_wt/BMI/bmicalc.htm).

Waist circumference should be evaluated along with BMI. Men with a waist circumference of more than 40 inches and non-pregnant women with a waist circumference of more than 35 inches may be at increased risk for disease because of excess abdominal fat. BMI and waist circumference are screening tools, not diagnostics. A

health-care provider should also perform other assessments to evaluate risk and diagnose disease, taking into consideration such factors as high blood pressure, cholesterol levels, and family medical history.

The National Center for Health Statistics notes that in 2015-16, 39.8% of American adults (ages 20 and over) and 18.5% of youth (ages 2-19) were obese. The prevalence of obesity has increased over time, from 30.5% of adults and 13.9% of youth in 1999-2000 to its current levels. Among all age groups, obesity was more prevalent in the non-Hispanic black and Hispanic population than among non-Hispanic whites and non-Hispanic Asians.

A high prevalence of overweight and obesity is a public health concern because higher body weights increase a person's risk of developing type 2 diabetes, hypertension, dyslipidemia, cardiovascular disease, stroke, gallbladder disease, sleep and respiratory problems, osteoarthritis, and certain cancers.

## Adults Meeting U.S. Fitness Guidelines, 1998-2016

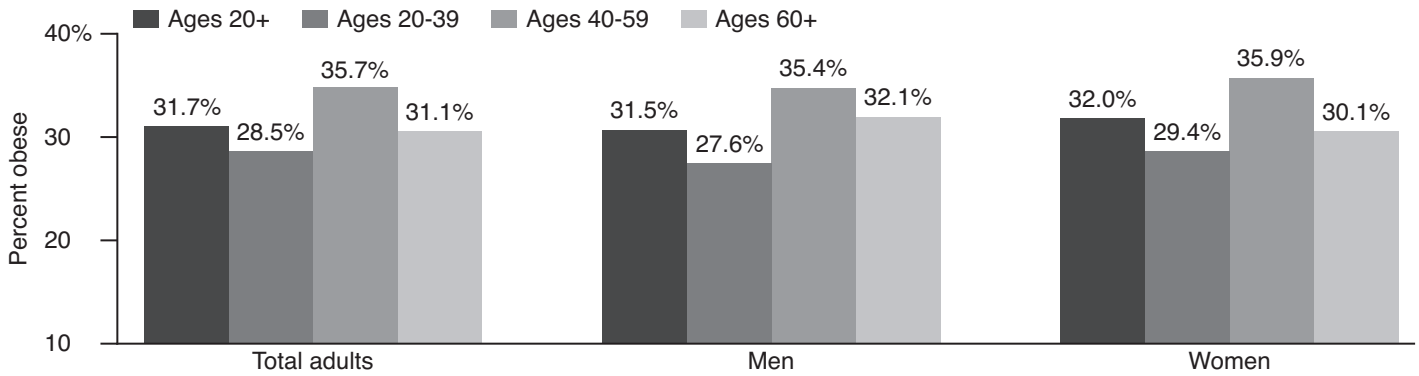
**Source:** National Health Interview Survey, National Center for Health Statistics, CDC, U.S. Dept. of Health and Human Services

Characteristic	% meeting aerobic activity guidelines					% meeting muscle-strengthening guidelines				
	1998	2000	2005	2010	2016	1998	2000	2005	2010	2016
<b>Sex and age</b>										
Male, 18-44 years	51.5%	53.6%	50.0%	59.0%	63.2%	27.2%	26.3%	28.7%	35.6%	37.2%
Male, 45-54 years	44.3	45.2	42.6	50.7	53.6	18.8	18.0	19.2	24.8	26.4
Male, 55-64 years	38.3	38.9	38.4	46.0	49.8	12.9	13.8	15.7	22.9	22.9
Male, 65-74 years	38.5	41.8	38.3	40.7	49.0	12.0	12.2	14.5	20.6	23.2
Male, 75 years and over	26.1	30.7	28.6	32.3	35.3	9.5	10.1	12.4	14.5	15.8
Female, 18-44 years	40.0	42.0	43.1	48.5	55.2	17.9	17.9	19.8	22.1	24.8
Female, 45-54 years	36.1	39.1	38.1	44.7	48.9	13.7	16.1	19.8	20.4	22.3
Female, 55-64 years	32.5	33.5	34.1	38.6	46.9	10.3	12.4	15.9	17.5	19.5
Female, 65-74 years	26.2	32.6	30.2	31.8	41.0	7.8	10.5	13.3	15.6	17.5
Female, 75 years and over	14.0	16.8	18.8	18.3	25.3	5.7	6.7	6.7	10.8	11.9
<b>Race or Hispanic origin<sup>1</sup></b>										
White, not Hispanic	43.1	45.7	45.7	51.5	56.7	18.7	19.3	22.5	26.3	28.6
Black, not Hispanic	30.4	31.7	29.1	37.3	44.4	15.6	16.0	15.7	21.6	24.8
Amer. Indian or AK Native	39.7	29.7	41.6	42.0	41.8	18.2	13.9	20.5	16.7	18.2
Asian	37.1	41.7	37.5	44.2	52.1	17.2	17.2	16.9	21.9	20.7
Two or more races	—	43.9	41.1	50.2	55.3	—	22.2	23.6	30.4	31.1
Hispanic or Latino	29.1	30.8	28.5	36.2	44.5	12.7	11.9	12.9	18.1	20.1
<b>Geographic region</b>										
Northeast	39.6	45.3	43.3	46.9	52.3	17.5	20.0	21.6	24.3	27.6
Midwest	42.0	43.5	43.5	46.1	53.9	18.2	19.3	21.9	24.7	27.4
South	35.3	37.3	36.5	45.0	48.8	15.0	15.1	17.6	22.0	23.5
West	46.7	46.9	44.4	52.0	57.8	22.3	19.7	21.3	27.5	28.0
<b>Total, 18 years and over</b>	<b>40.0</b>	<b>42.2</b>	<b>41.1</b>	<b>47.3</b>	<b>52.7</b>	<b>17.7</b>	<b>18.0</b>	<b>20.2</b>	<b>24.4</b>	<b>26.2</b>

— = Not available. **Note:** Measures of physical activity reflect the federal 2008 Physical Activity Guidelines for Americans, which recommend that for substantial health benefits, adults each week perform at least 150 min. of moderate-intensity, 75 min. of vigorous-intensity, or an equivalent combination of moderate- and vigorous-intensity aerobic activity. Aerobic activity should be performed in episodes of at least 10 min., preferably spread throughout the week. The guidelines also recommend that adults perform muscle-strengthening activities that are moderate or high intensity and involve all major muscle groups on two or more days a week. (1) Persons reporting only one race, unless otherwise noted. Persons of Hispanic origin may be of any race.

### Obesity Among Adults in the U.S., 2018

Source: National Health Interview Survey, National Center for Health Statistics, CDC, U.S. Dept. of Health and Human Services



### Overweight and Obesity Among U.S. Adults, 1960-2016

Source: National Health and Nutrition Examination Survey, NCHS, CDC, U.S. Dept. of Health and Human Services (as percent of adults age 20-74 in 1960-80 and age 20 and over for all other years shown here)

Survey period	Total			Men			Women		
	Overweight	Obesity	Severe obesity	Overweight	Obesity	Severe obesity	Overweight	Obesity	Severe obesity
1960-62	31.5%	13.4%	0.9%	38.7%	10.7%	0.3%	24.7%	15.8%	1.4%
1971-74	32.7	14.5	1.3	41.7	12.1	0.6	24.3	16.6	2.0
1976-80	32.1	15.0	1.4	39.9	12.7	0.4	24.9	17.0	2.2
1988-94	33.1	22.9	2.8	40.7	20.2	1.7	25.9	25.4	3.9
1999-2000	34.0	30.5	4.7	39.7	27.5	3.1	28.6	33.4	6.2
2001-02	35.1	30.5	5.1	42.2	27.7	3.6	28.2	33.2	6.5
2003-04	34.1	32.2	4.8	39.7	31.1	2.8	28.6	33.2	6.9
2005-06	32.6	34.3	5.9	39.9	33.3	4.2	25.5	35.3	7.4
2007-08	34.3	33.7	5.7	40.1	32.2	4.2	28.6	35.4	7.3
2009-10	33.0	35.7	6.3	38.4	35.5	4.4	27.9	35.8	8.1
2011-12	33.6	34.9	6.4	37.8	33.5	4.4	29.7	36.1	8.3
2013-14	32.5	37.7	7.7	38.7	35.0	5.5	26.5	40.4	9.9
2015-16	31.6	39.6	7.7	36.5	37.9	5.6	26.9	41.1	9.7

Note: Overweight is body mass index (BMI) of 25 or greater but less than 30; obesity is BMI greater than or equal to 30; extreme obesity is BMI greater than or equal to 40. Does not include pregnant women.

### Obesity Among Children and Adolescents in the U.S., 1988-2016

Source: National Health and Nutrition Examination Survey, NCHS, CDC, U.S. Dept. of Health and Human Services (percent of population)

Age/sex/poverty level	1988-94	1999-2002	2003-06	2005-08	2007-10	2009-12	2011-14	2013-16
<b>2-5 years</b>								
Both sexes	7.2%	10.3%	12.5%	10.5%	11.1%	10.2%	8.9%	11.6%
Boys	6.2	10.0	12.8	9.8	11.9	12.0	9.2	11.5
Girls	8.2	10.6	12.2	11.2	10.2	8.4	8.6	11.7
Percent of poverty level <sup>1</sup>								
Below 100%	9.7	10.9	14.3	12.3	13.2	12.3	11.6	13.5
100%-199%	7.3	13.8*	12.7	10.0	11.8	11.6	10.2	12.6
200%-399%	5.6	7.6*	11.9	11.6	13.9	11.0	7.7*	10.4
400% or more	—	—	10.0*	—	5.8*	5.0*	—	8.2
<b>6-11 years</b>								
Both sexes	11.3	15.9	17.0	17.4	18.8	17.9	17.5	17.9
Boys	11.6	16.9	18.0	18.7	20.7	18.3	17.6	19.6
Girls	11.0	14.7	15.8	16.0	16.9	17.4	17.5	16.1
Percent of poverty level <sup>1</sup>								
Below 100%	11.4	19.1	22.0	21.5	22.2	24.6	21.5	20.8
100%-199%	11.1	16.4	19.2	22.2	20.7	18.5	20.4	20.8
200%-399%	11.7	15.3	16.7	16.8	18.9	15.8	15.7	17.1
400% or more	—	12.9*	9.2*	9.5*	12.5*	12.2*	12.2*	12.2
<b>12-19 years</b>								
Both sexes	10.5	16.0	17.6	17.9	18.2	19.4	20.5	20.6
Boys	11.3	16.7	18.2	18.7	19.4	20.0	20.1	20.0
Girls	9.7	15.3	16.8	17.0	16.9	18.9	21.0	21.2
Percent of poverty level <sup>1</sup>								
Below 100%	15.8	19.8	19.3	23.1	24.3	23.2	22.4	25.7
100%-199%	11.2	15.1	18.4	19.8	20.1	22.5	25.7	24.3
200%-399%	9.4	15.7	19.3	17.2	16.3	17.9	19.7	19.3
400% or more	—	13.9	12.6	14.0	14.0	13.8	13.7*	13.7

\* = Estimate is considered unreliable. — = Estimate not given as it is considered unreliable. Note: Obesity is defined as body mass index (BMI) at or above the sex- and age-specific 95th percentile of the 2000 CDC growth charts. (1) Ratio of family's household income to contemporary federal poverty guidelines.

# VITAL STATISTICS

## Births and Deaths in the U.S., 1960-2018

Source: National Center for Health Statistics (NCHS), CDC, U.S. Dept. of Health and Human Services

BIRTHS			DEATHS		BIRTHS			DEATHS	
Year	Total number	Rate	Total number	Rate	Year	Total number	Rate	Total number	Rate
1960	4,257,850	23.7	1,711,982	9.5	2007	4,316,233	14.3	2,423,712	8.0
1970	3,731,386	18.4	1,921,031	9.5	2008	4,247,694	14.0	2,471,984	8.1
1980	3,612,258	15.9	1,989,841	8.8	2009	4,130,665	13.5	2,437,163	7.9
1990	4,092,994	16.7	2,148,463	8.6	2010	3,999,386	13.0	2,468,435	8.0
1995	3,899,589	14.6	2,312,132	8.7	2011	3,953,590	12.7	2,515,458	8.1
2000	4,058,814	14.4	2,403,351	8.5	2012	3,952,841	12.6	2,543,279	8.1
2001	4,025,933	14.1	2,416,425	8.5	2013	3,932,181	12.4	2,596,993	8.2
2002	4,021,726	13.9	2,443,387	8.5	2014	3,988,076	12.5	2,626,418	8.2
2003	4,089,950	14.1	2,448,288	8.4	2015	3,978,497	12.4	2,712,630	8.4
2004	4,112,052	14.0	2,397,615	8.2	2016	3,945,875	12.2	2,744,248	8.5
2005	4,138,349	14.0	2,448,017	8.3	2017	3,855,500	11.8	2,813,503	8.6
2006	4,265,555	14.2	2,426,264	8.1	2018 <sup>1</sup>	3,788,235	11.6 <sup>2</sup>	2,835,000	8.6

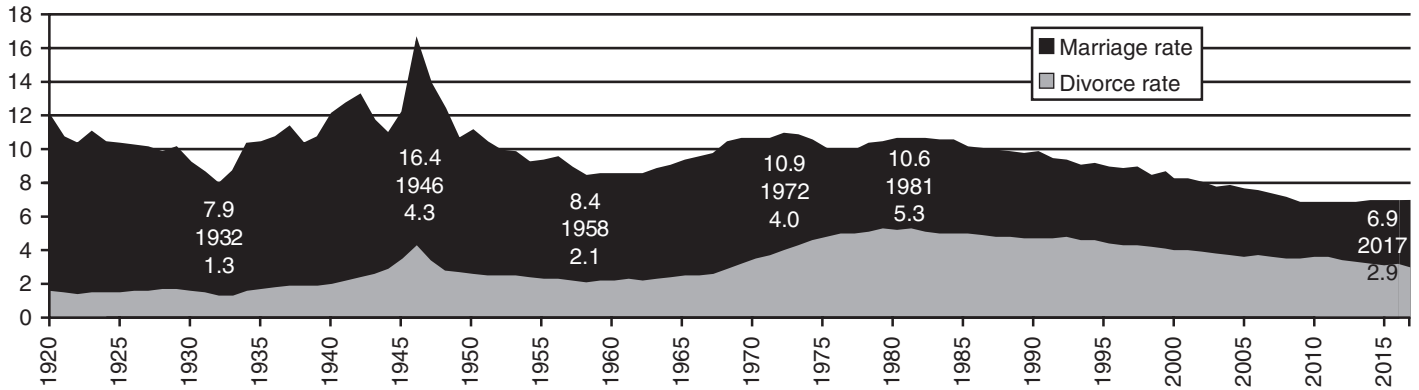
Note: Rates are per 1,000 population; population counts are enumerated as of Apr. 1 for decennial census years and estimated as of July 1 for all other years. Beginning in 1970, statistics exclude births and deaths among nonresidents of the U.S. (1) Provisional. (2) Not directly comparable to previous years due to difference in calculation.

## Marriage and Divorce Rates in the U.S., 1920-2017

Source: National Center for Health Statistics (NCHS), CDC, U.S. Dept. of Health and Human Services

(Per 1,000 total population. Rates for 2000-17 may exclude data and populations from nonreporting states. Some data are provisional.)

The U.S. marriage rate dipped during the Depression and peaked sharply just after World War II; the trend after that has been more gradual. The divorce rate generally rose from the 1920s through 1981, when it peaked at 5.3 per 1,000 population, before declining somewhat. The graph below shows marriage and divorce rates since 1920.



## U.S. Median Age at First Marriage, 1890-2018

Source: U.S. Census Bureau, U.S. Dept. of Commerce

Year <sup>1</sup>	Men	Women	Year <sup>1</sup>	Men	Women	Year <sup>1</sup>	Men	Women	Year <sup>1</sup>	Men	Women
1890	26.1	22.0	1950	22.8	20.3	1990	26.1	23.9	2013	29.0	26.6
1900	25.9	21.9	1960	22.8	20.3	1995	26.9	24.5	2014	29.3	27.0
1910	25.1	21.6	1970	23.2	20.8	2000	26.8	25.1	2015	29.2	27.1
1920	24.6	21.2	1975	23.5	21.1	2005	27.1	25.3	2016	29.5	27.4
1930	24.3	21.3	1980	24.7	22.0	2010	28.2	26.1	2017	29.5	27.4
1940	24.3	21.5	1985	25.5	23.3	2012	28.6	26.6	2018	29.8	27.8

(1) Figures for 1947 and on are based on Current Population Survey data; earlier figures based on decennial censuses.

## Divorce Rates by State, 2017

Source: National Center for Health Statistics (NCHS), CDC, U.S. Dept. of Health and Human Services

(per 1,000 population, estimated as of July 1)

State	Divorce rate	State	Divorce rate	State	Divorce rate
Alabama	3.7	Louisiana	1.9	Ohio	2.9
Alaska	3.6	Maine	3.2	Oklahoma	4.1
Arizona	3.5	Maryland	2.5	Oregon	3.4
Arkansas	3.7	Massachusetts	2.2	Pennsylvania	2.6
California	NA	Michigan	2.8	Rhode Island	2.9
Colorado	3.2	Minnesota	NA	South Carolina	2.6
Connecticut	2.9	Mississippi	2.9	South Dakota	2.7
Delaware	3.0	Missouri	3.1	Tennessee	3.5
District of Columbia	2.5	Montana	3.1	Texas	2.2
Florida	3.6	Nebraska	3.0	Utah	3.4
Georgia	3.5	Nevada	4.5	Vermont	2.9
Hawaii	NA	New Hampshire	3.1	Virginia	3.0
Idaho	3.9	New Jersey	2.6	Washington	3.4
Illinois	1.9	New Mexico	NA	West Virginia	3.5
Indiana	NA	New York	2.7	Wisconsin	2.4
Iowa	2.0	North Carolina	3.1	Wyoming	4.0
Kansas	2.4	North Dakota	2.5	<b>United States</b>	<b>2.9</b>
Kentucky	3.7				

NA = Not available. Note: Rates based on provisional counts of divorce including annulments and, for certain areas, divorce petitions filed or legal separations.

## Drug-Induced Deaths in the U.S., 2017

Source: National Vital Statistics System, National Center for Health Statistics, CDC, U.S. Dept. of Health and Human Services

Numbers include deaths from poisoning and medical conditions caused by use of legal or illegal drugs regardless of intent (accident, suicide, homicide, or undetermined).

State	Number	Rate <sup>1</sup>	State	Number	Rate <sup>1</sup>	State	Number	Rate <sup>1</sup>	State	Number	Rate <sup>1</sup>
Alabama	960	19.7	Indiana	1,925	28.9	Nebraska	163	8.5	South Carolina	1,052	20.9
Alaska	158	21.4	Iowa	357	11.3	Nevada	698	23.3	South Dakota	81	9.3
Arizona	1,628	23.2	Kansas	360	12.4	New Hampshire	479	35.7	Tennessee	1,898	28.3
Arkansas	481	16.0	Kentucky	1,662	37.3	New Jersey	2,752	30.6	Texas	3,120	11.0
California	5,302	13.4	Louisiana	1,138	24.3	New Mexico	515	24.7	Utah	691	22.3
Colorado	1,050	18.7	Maine	443	33.2	New York	4,117	20.7	Vermont	145	23.2
Connecticut	1,103	30.7	Maryland	2,296	37.9	North Carolina	2,515	24.5	Virginia	1,558	18.4
Delaware	342	35.6	Massachusetts	2,323	33.9	North Dakota	73	9.7	Washington	1,309	17.7
Florida	5,347	25.5	Michigan	3,034	30.5	Ohio	5,299	45.5	West Virginia	1,023	56.3
Georgia	1,629	15.6	Minnesota	825	14.8	Oklahoma	805	20.5	Wisconsin	1,205	20.8
Hawaii	221	15.5	Mississippi	387	13.0	Oregon	676	16.3	Wyoming	72	12.4
Idaho	264	15.4	Missouri	1,426	23.3	Pennsylvania	5,495	42.9	Washington, DC	322	46.4
Illinois	2,812	22.0	Montana	132	12.6	Rhode Island	322	30.4	<b>U.S.</b>	<b>73,990</b>	<b>22.7</b>

(1) Number of deaths due to drug-induced causes per 100,000 population.

## Principal Types of Accidental Deaths in the U.S., 1970-2017

Source: National Safety Council website: injuryfacts.nsc.org; National Center for Health Statistics, U.S. Dept. of Health and Human Services

Year <sup>1</sup>	Total <sup>2</sup>	Motor vehicle	Falls	Poisoning	Choking: Inhalation of food, object	Drowning	Fires, flames, smoke	Mechanical suffocation	Firearms	
1970	114,638	54,633	16,926	5,299	2,753	7,860	6,718	NA	2,406	
1980	105,718	53,172	13,294	4,331	3,249	7,257	5,822	NA	1,955	
1985	93,457	45,901	12,001	5,170	3,551	5,316	4,938	NA	1,649	
1990	91,983	46,814	12,313	5,803	3,303	4,685	4,175	NA	1,416	
1995	93,320	43,363	13,986	9,072	3,185	4,350	3,761	NA	1,225	
2000	97,900	43,354	13,322	12,757	4,313	3,482	3,377	1,335	776	
2005	117,809	45,343	19,656	23,617	4,386	3,582	3,197	1,514	789	
2010	120,859	35,332	26,009	33,041	4,570	3,782	2,782	1,595	606	
2011	126,438	35,303	27,483	36,280	4,708	3,556	2,746	1,534	591	
2012	127,792	36,415	28,756	36,332	4,634	3,551	2,464	1,604	548	
2013	130,557	35,369	30,208	38,851	4,864	3,391	2,760	1,737	505	
2014	135,928	35,398	31,959	42,032	4,816	3,406	2,701	1,764	461	
2015	146,571	37,757	33,381	47,478	5,051	3,602	2,646	1,863	489	
2016	161,374	40,327	34,673	58,335	4,829	3,789	2,730	1,781	495	
2017	169,936	40,231	36,338	64,795	5,216	3,709	2,812	1,730	486	
<b>Deaths per 100,000 population</b>										
1970	56.2	26.8	8.3	2.6	1.4	3.9	3.3	NA	1.2	
1980	46.5	23.4	5.9	1.9	1.4	3.2	2.6	NA	0.9	
1985	39.3	19.3	5.0	2.2	1.5	2.2	2.1	NA	0.7	
1990	36.9	18.8	4.9	2.3	1.3	1.9	1.7	NA	0.6	
1995	35.5	16.5	5.3	3.4	1.2	1.7	1.4	NA	0.5	
2000	35.6	15.7	4.8	4.6	1.6	1.3	1.2	0.5	0.3	
2005	39.7	15.3	6.6	8.0	1.5	1.2	1.1	0.5	0.3	
2010	39.0	11.4	8.4	10.7	1.5	1.2	0.9	0.5	0.2	
2011	40.6	11.3	8.8	11.6	1.5	1.1	0.9	0.5	0.2	
2012	40.7	11.6	9.2	11.6	1.5	1.1	0.8	0.5	0.2	
2013	41.3	11.2	9.6	12.3	1.5	1.1	0.9	0.5	0.2	
2014	42.6	11.1	10.0	13.2	1.5	1.1	0.8	0.6	0.1	
2015	45.6	11.7	10.4	14.8	1.6	1.1	0.8	0.6	0.2	
2016	49.9	12.5	10.7	18.1	1.5	1.2	0.8	0.6	0.2	
2017	52.2	12.4	11.2	19.9	1.6	1.1	0.9	0.5	0.2	

NA = Not available. Note: All figures include on-the-job deaths. (1) Data after 1999 are not comparable with earlier data because of classification changes. (2) Total incl. other accidental deaths not shown in detail here.

## Deaths in the U.S. Involving Firearms by Age and Sex, 2017

Source: National Safety Council website: injuryfacts.nsc.org

Type and sex	All ages	Under 5	5-14	15-24	25-44	45-54	55-64	65-74	75 or older
<b>Total firearms deaths</b>	<b>39,773</b>	<b>93</b>	<b>438</b>	<b>7,656</b>	<b>14,280</b>	<b>5,558</b>	<b>5,174</b>	<b>3,379</b>	<b>3,193</b>
Male	34,062	65	328	6,774	12,236	4,499	4,309	2,914	2,935
Female	5,711	28	110	882	2,044	1,059	865	465	258
<b>Preventable/accidental</b>	<b>486</b>	<b>32</b>	<b>30</b>	<b>117</b>	<b>157</b>	<b>50</b>	<b>47</b>	<b>30</b>	<b>23</b>
Male	423	27	24	105	139	44	41	21	22
Female	63	5	6	12	18	6	6	9	1
<b>Suicide</b>	<b>23,854</b>	—	<b>186</b>	<b>2,959</b>	<b>6,556</b>	<b>3,937</b>	<b>4,219</b>	<b>2,989</b>	<b>3,007</b>
Male	20,615	—	156	2,638	5,552	3,203	3,574	2,660	2,831
Female	3,239	—	30	321	1,004	734	645	329	176
<b>Assault</b>	<b>14,542</b>	<b>56</b>	<b>204</b>	<b>4,391</b>	<b>7,155</b>	<b>1,447</b>	<b>824</b>	<b>322</b>	<b>143</b>
Male	12,220	34	130	3,868	6,165	1,141	619	200	63
Female	2,322	22	74	523	990	306	205	122	80
<b>Legal intervention</b>	<b>553</b>	<b>0</b>	<b>1</b>	<b>91</b>	<b>315</b>	<b>90</b>	<b>35</b>	<b>18</b>	<b>3</b>
Male	526	0	1	84	299	87	35	17	3
Female	27	0	0	7	16	3	0	1	0
<b>Undetermined<sup>1</sup></b>	<b>338</b>	<b>5</b>	<b>17</b>	<b>98</b>	<b>97</b>	<b>34</b>	<b>49</b>	<b>20</b>	<b>17</b>
Male	278	4	17	79	81	24	40	16	16
Female	60	1	0	19	16	10	9	4	1

— = Not applicable. (1) The intention of the death (unintentional/preventable, suicide, or homicide) could not be determined.