

**Number of Households, Average Income, and Income Shares for All Households,  
by Comprehensive Household Income Quintile, 1979-2016**

Year	Lowest Quintile	Second Quintile	Middle Quintile	Fourth Quintile	Highest Quintile	All Quintiles	81st - 90th Percentiles	91st - 95th Percentiles	96th - 99th Percentiles	Top 1%
<b>Number of Households (Millions)</b>										
1979	17.5	16.2	15.1	15.5	16.6	81.1	8.1	4.3	3.4	0.9
1980	17.6	16.4	15.4	15.8	17.0	82.6	8.3	4.3	3.5	0.9
1981	17.3	16.7	15.9	15.9	17.5	83.8	8.5	4.4	3.7	0.9
1982	16.9	16.8	16.0	16.2	17.8	84.3	8.7	4.5	3.7	0.9
1983	16.7	17.3	16.5	16.8	18.0	85.8	8.8	4.6	3.7	0.9
1984	17.8	17.4	16.6	17.0	17.9	87.2	8.8	4.5	3.7	0.9
1985	17.7	17.7	17.0	17.3	18.6	88.8	9.2	4.7	3.8	1.0
1986	18.0	18.0	17.4	17.5	18.6	89.9	9.1	4.7	3.8	1.0
1987	17.7	18.7	18.0	17.9	18.8	91.4	9.3	4.7	3.8	0.9
1988	17.9	19.1	18.1	18.4	19.1	93.1	9.5	4.8	3.9	1.0
1989	17.8	19.3	18.4	18.5	19.2	93.6	9.5	4.8	3.9	1.0
1990	18.2	19.2	18.4	18.8	19.7	94.6	9.7	5.0	4.0	1.0
1991	18.2	19.5	19.0	18.9	19.9	96.0	9.8	5.0	4.1	1.0
1992	17.8	19.9	19.1	19.0	20.1	96.3	9.9	5.1	4.1	1.0
1993	17.8	20.2	19.3	19.3	20.3	97.3	10.0	5.1	4.1	1.0
1994	18.3	20.5	19.8	19.6	20.4	99.1	10.0	5.2	4.2	1.0
1995	18.9	20.3	19.7	19.8	20.6	99.7	10.1	5.3	4.2	1.0
1996	18.9	20.8	20.0	20.1	21.0	101.1	10.3	5.3	4.3	1.1
1997	19.5	20.6	20.3	20.3	21.4	102.6	10.6	5.4	4.3	1.0
1998	20.0	20.7	20.7	20.6	21.6	104.0	10.7	5.5	4.3	1.0
1999	20.4	20.7	20.7	20.9	21.7	104.8	10.7	5.5	4.4	1.1
2000	21.0	21.6	21.5	21.5	22.3	108.3	11.0	5.6	4.6	1.1
2001	21.1	21.8	21.7	21.9	22.4	109.4	11.1	5.7	4.6	1.1
2002	21.3	22.5	22.1	22.2	22.7	111.4	11.2	5.7	4.7	1.1
2003	21.5	22.8	22.4	22.2	22.8	112.1	11.3	5.7	4.6	1.1
2004	21.8	23.2	22.5	22.3	22.9	113.3	11.3	5.8	4.6	1.1
2005	22.2	23.4	22.6	22.6	23.2	114.5	11.5	5.9	4.7	1.1
2006	21.8	23.8	23.4	23.1	23.6	116.1	11.7	6.0	4.8	1.1
2007	22.7	23.8	23.2	23.0	23.7	116.9	11.8	6.0	4.8	1.2
2008	22.5	24.1	23.4	23.1	23.5	117.3	11.6	6.0	4.8	1.1
2009	21.6	24.3	23.7	23.5	23.8	117.6	11.9	6.0	4.8	1.1
2010	22.2	24.6	24.0	23.6	23.8	118.7	11.9	6.0	4.8	1.1
2011	22.9	25.1	24.4	24.1	24.1	121.2	12.0	6.1	4.8	1.1
2012	23.0	25.2	24.8	24.4	24.6	122.5	12.3	6.2	4.9	1.2
2013	23.2	25.4	24.9	24.4	24.6	123.1	12.4	6.2	4.9	1.2
2014	23.7	26.0	24.8	24.7	24.9	124.7	12.4	6.4	5.0	1.2
2015	24.3	26.1	25.2	24.9	25.0	126.1	12.5	6.3	5.0	1.2
2016	24.9	26.1	25.1	25.0	24.9	126.5	12.5	6.3	4.9	1.2
<b>Average Before-Tax Income (2016 dollars)</b>										
1979	15,500	37,100	56,900	77,300	146,600	66,000	100,500	124,200	179,800	563,200
1980	14,900	35,600	55,000	75,100	142,700	64,100	98,300	121,800	173,800	540,300
1981	14,700	35,300	54,700	76,000	142,200	64,300	98,100	122,000	172,100	537,900
1982	14,200	34,500	53,900	75,200	143,200	64,400	98,000	121,100	172,600	566,800
1983	13,600	33,700	53,200	74,900	148,400	65,100	99,200	124,400	177,900	621,400
1984	14,600	35,800	56,300	78,900	161,000	68,700	106,000	134,000	193,000	687,200
1985	14,500	35,800	56,400	79,200	162,700	69,800	104,900	133,400	195,100	736,100
1986	14,400	36,300	57,500	82,000	182,400	74,500	109,900	139,900	212,600	964,300
1987	13,800	35,400	57,200	82,500	172,300	72,100	110,900	142,400	210,700	772,800
1988	14,300	36,000	58,100	83,100	184,400	75,200	112,400	145,100	217,500	968,100
1989	15,000	36,300	58,700	84,100	184,000	75,700	114,100	147,500	221,700	900,900
1990	15,400	37,500	59,100	83,500	179,500	75,300	112,700	144,100	215,600	871,800
1991	15,500	36,600	58,000	82,700	173,600	73,500	111,000	143,100	211,800	784,300
1992	15,600	36,300	58,300	83,500	180,900	75,500	112,300	145,600	218,800	884,300
1993	15,600	36,400	58,500	84,200	181,100	75,800	113,800	147,100	220,900	850,000
1994	15,500	36,700	58,700	85,300	185,400	76,600	116,200	149,700	226,500	875,900
1995	16,700	38,600	60,800	87,100	194,200	79,900	119,400	153,900	238,300	972,400
1996	16,700	38,600	61,700	88,900	205,400	83,000	122,000	159,700	248,000	1,077,400
1997	17,600	40,000	63,000	91,000	218,200	86,800	124,900	165,900	264,400	1,244,100
1998	18,800	41,900	65,200	94,500	233,000	91,500	130,200	172,700	279,200	1,413,000
1999	19,500	43,400	67,100	97,000	248,200	95,900	135,400	179,800	292,600	1,542,200
2000	19,300	43,500	67,500	98,700	260,300	98,500	138,100	185,400	301,500	1,695,200
2001	19,000	42,900	67,200	97,500	237,400	93,100	136,700	179,900	284,500	1,355,200
2002	18,800	41,800	65,800	95,800	225,800	89,500	134,400	177,400	273,200	1,200,900
2003	18,500	41,400	65,700	97,100	233,600	91,000	136,300	181,000	282,300	1,278,400
2004	18,800	42,400	67,800	100,200	254,100	96,100	141,300	187,100	299,700	1,524,500
2005	19,300	42,800	69,000	101,900	275,600	101,300	144,200	194,500	323,300	1,842,000
2006	20,300	43,800	69,700	103,900	287,500	105,200	147,700	199,900	333,600	1,993,200
2007	21,600	45,900	72,200	106,700	298,600	108,500	150,700	205,100	344,500	2,099,900
2008	21,200	44,200	70,000	104,100	270,600	100,800	147,700	198,300	318,800	1,715,100
2009	20,300	42,900	68,400	101,700	245,100	94,800	144,200	192,700	299,400	1,338,600
2010	19,800	42,300	67,700	101,200	256,400	96,400	144,300	194,200	308,000	1,536,900
2011	20,100	42,100	67,100	101,100	259,000	96,300	145,700	197,000	315,100	1,536,600

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2012	19,200	41,800	67,100	101,800	279,600	100,800	146,800	200,000	329,900	1,897,800
2013	19,900	42,600	68,300	104,100	269,700	99,600	149,500	205,500	333,700	1,597,200
2014	19,400	42,700	69,600	105,800	285,100	103,100	153,200	209,200	346,600	1,797,400
2015	20,500	44,600	72,000	109,300	295,100	106,200	158,700	216,700	359,700	1,876,500
2016	20,600	45,300	72,500	109,600	291,200	105,500	159,600	218,300	359,500	1,788,800

**Average After-Tax Income (2016 dollars)**

1979	19,000	32,500	46,500	60,800	107,000	52,600	76,900	93,000	131,100	365,900
1980	18,800	31,300	45,000	59,000	104,400	51,200	74,900	90,800	126,300	361,800
1981	18,700	31,100	44,500	59,300	104,500	51,300	74,300	90,600	125,400	374,100
1982	18,500	30,700	44,500	59,900	108,700	52,500	76,000	92,500	130,400	415,200
1983	18,100	30,000	44,200	60,000	113,500	53,200	77,400	96,100	136,100	455,200
1984	18,500	31,500	46,500	63,100	122,900	55,900	82,600	103,400	147,800	501,600
1985	18,800	31,400	46,500	63,200	124,300	56,800	81,700	102,500	149,100	544,500
1986	18,800	31,900	47,500	65,300	139,700	60,500	85,300	107,300	162,800	726,700
1987	18,700	31,400	47,400	65,900	128,400	58,000	85,700	107,700	156,200	540,800
1988	19,300	31,700	48,000	66,000	137,800	60,300	86,600	109,800	162,200	691,200
1989	20,300	32,300	48,500	66,900	138,100	61,000	88,100	111,900	165,700	649,700
1990	21,100	33,200	48,900	66,400	135,000	60,900	87,000	109,600	161,400	630,100
1991	21,900	32,900	48,300	66,000	130,100	59,800	85,900	108,500	158,000	557,700
1992	22,700	33,200	48,700	67,000	135,200	61,500	87,100	110,700	163,000	622,700
1993	23,400	33,500	49,000	67,600	133,400	61,500	88,200	111,500	162,600	568,100
1994	23,600	34,000	49,100	68,100	135,500	62,000	89,700	112,800	166,200	574,600
1995	24,700	35,700	50,900	69,600	141,100	64,400	91,900	115,500	173,700	633,700
1996	24,600	35,600	51,700	71,000	148,800	66,500	94,000	119,900	180,200	702,400
1997	24,900	36,700	52,400	72,700	158,100	69,200	95,900	124,300	191,800	823,800
1998	26,200	38,900	54,700	75,600	169,600	73,300	100,100	129,500	203,000	955,200
1999	26,500	40,000	56,400	77,500	179,500	76,300	103,600	134,100	211,000	1,039,400
2000	26,500	40,300	57,000	78,900	188,300	78,500	105,800	138,400	217,500	1,148,400
2001	26,900	41,000	57,800	79,300	174,600	75,900	106,300	136,100	208,800	921,500
2002	27,400	40,600	57,300	78,800	167,800	74,000	105,500	135,500	202,200	818,100
2003	27,600	41,000	57,900	80,600	176,200	76,200	108,500	140,400	211,900	891,200
2004	28,200	42,100	59,700	83,100	190,900	80,100	112,300	144,600	224,000	1,068,000
2005	28,700	42,300	60,600	84,200	205,800	83,700	114,400	150,300	240,100	1,286,500
2006	29,300	43,300	61,100	85,800	214,700	86,700	117,100	154,200	247,500	1,399,400
2007	30,600	45,000	63,400	88,400	225,200	89,800	119,800	159,000	257,500	1,507,600
2008	31,500	45,500	63,400	88,400	207,000	85,800	119,800	155,600	240,800	1,234,600
2009	32,300	45,200	62,700	87,100	188,800	82,000	117,700	152,500	227,600	954,400
2010	32,300	44,700	61,900	86,300	195,600	82,900	117,100	152,700	232,100	1,088,100
2011	31,900	44,600	61,400	86,400	198,600	83,000	118,800	155,800	239,000	1,091,300
2012	31,200	44,300	61,300	86,700	213,300	86,100	119,300	157,400	248,500	1,356,600
2013	32,000	44,400	61,400	87,200	199,400	83,400	118,900	158,400	246,300	1,060,500
2014	33,100	45,300	62,800	88,500	209,700	86,400	121,700	160,900	254,600	1,194,100
2015	34,900	47,300	65,200	91,400	217,200	89,300	125,900	166,300	264,300	1,251,800
2016	35,000	48,000	65,900	91,700	214,900	89,000	126,800	167,700	264,100	1,193,900

**Share of Before-Tax Income (Percent)**

1979	5.0	11.2	16.0	22.4	45.6	100.0	15.3	9.9	11.5	9.0
1980	4.9	11.0	16.0	22.4	46.0	100.0	15.4	10.0	11.6	9.0
1981	4.7	10.9	16.1	22.5	46.2	100.0	15.5	10.1	11.7	9.0
1982	4.4	10.7	15.9	22.5	47.0	100.0	15.7	10.1	11.7	9.5
1983	4.1	10.5	15.7	22.5	47.9	100.0	15.7	10.1	11.9	10.2
1984	4.3	10.4	15.6	22.4	48.0	100.0	15.5	10.1	11.8	10.6
1985	4.1	10.2	15.4	22.1	48.8	100.0	15.5	10.1	11.9	11.3
1986	3.9	9.7	14.9	21.4	50.8	100.0	15.0	9.9	12.1	13.8
1987	3.7	10.1	15.6	22.4	49.0	100.0	15.7	10.2	12.1	11.1
1988	3.7	9.8	15.1	21.8	50.4	100.0	15.3	9.9	12.0	13.2
1989	3.8	9.9	15.2	21.9	50.0	100.0	15.3	10.1	12.2	12.3
1990	3.9	10.1	15.2	22.0	49.5	100.0	15.3	10.1	12.2	12.0
1991	4.0	10.1	15.6	22.1	49.0	100.0	15.4	10.2	12.3	11.1
1992	3.8	9.9	15.3	21.9	49.9	100.0	15.3	10.1	12.4	12.1
1993	3.8	10.0	15.3	22.0	49.8	100.0	15.4	10.2	12.4	11.7
1994	3.7	9.9	15.3	22.0	49.8	100.0	15.4	10.2	12.4	11.8
1995	4.0	9.9	15.1	21.7	50.2	100.0	15.2	10.2	12.5	12.3
1996	3.8	9.6	14.7	21.3	51.3	100.0	15.0	10.1	12.6	13.6
1997	3.9	9.3	14.4	20.7	52.4	100.0	14.9	10.1	12.7	14.7
1998	4.0	9.1	14.2	20.5	52.9	100.0	14.7	10.0	12.7	15.5
1999	4.0	8.9	13.8	20.2	53.7	100.0	14.4	9.9	12.9	16.5
2000	3.8	8.8	13.6	19.9	54.4	100.0	14.3	9.8	12.9	17.5
2001	3.9	9.2	14.3	21.0	52.3	100.0	14.8	10.1	12.7	14.6
2002	4.0	9.4	14.6	21.3	51.4	100.0	15.1	10.2	12.8	13.3
2003	3.9	9.2	14.4	21.1	52.1	100.0	15.1	10.2	12.8	14.1
2004	3.8	9.0	14.0	20.5	53.4	100.0	14.7	10.0	12.7	16.0
2005	3.7	8.6	13.5	19.9	55.0	100.0	14.3	9.9	13.0	17.9
2006	3.6	8.5	13.3	19.6	55.6	100.0	14.1	9.8	13.1	18.6
2007	3.9	8.6	13.2	19.3	55.7	100.0	14.0	9.7	13.0	19.1
2008	4.0	9.0	13.9	20.4	53.9	100.0	14.6	10.0	12.9	16.4

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2009	3.9	9.4	14.5	21.5	52.3	100.0	15.3	10.4	12.8	13.7
2010	3.9	9.2	14.2	20.8	53.2	100.0	14.9	10.2	12.8	15.3
2011	3.9	9.1	14.0	20.9	53.5	100.0	15.0	10.3	13.0	15.1
2012	3.6	8.5	13.5	20.1	55.6	100.0	14.6	10.1	13.1	17.8
2013	3.8	8.8	13.9	20.7	54.2	100.0	15.1	10.3	13.3	15.4
2014	3.6	8.6	13.4	20.3	55.3	100.0	14.8	10.3	13.5	16.7
2015	3.7	8.7	13.6	20.3	55.0	100.0	14.8	10.3	13.3	16.6
2016	3.8	8.9	13.6	20.5	54.4	100.0	14.9	10.3	13.3	15.8

**Share of After-Tax Income (Percent)**

1979	7.8	12.3	16.4	22.1	41.8	100.0	14.6	9.3	10.5	7.4
1980	7.8	12.2	16.4	22.0	42.1	100.0	14.7	9.3	10.6	7.5
1981	7.5	12.1	16.4	22.0	42.6	100.0	14.7	9.4	10.7	7.8
1982	7.1	11.7	16.1	22.0	43.8	100.0	14.9	9.5	10.8	8.5
1983	6.6	11.3	16.0	22.0	44.7	100.0	14.9	9.6	11.1	9.1
1984	6.7	11.3	15.8	22.0	45.0	100.0	14.9	9.5	11.1	9.5
1985	6.6	11.0	15.7	21.7	45.9	100.0	14.8	9.6	11.2	10.3
1986	6.2	10.5	15.2	21.0	47.9	100.0	14.3	9.4	11.4	12.8
1987	6.2	11.1	16.0	22.2	45.4	100.0	15.0	9.6	11.2	9.6
1988	6.2	10.8	15.5	21.6	46.9	100.0	14.7	9.4	11.2	11.7
1989	6.3	10.9	15.6	21.6	46.5	100.0	14.7	9.5	11.4	11.0
1990	6.6	11.1	15.6	21.7	46.0	100.0	14.6	9.5	11.3	10.7
1991	7.0	11.2	16.0	21.8	45.2	100.0	14.7	9.5	11.3	9.7
1992	6.8	11.2	15.7	21.6	45.8	100.0	14.6	9.5	11.3	10.5
1993	7.0	11.3	15.8	21.8	45.2	100.0	14.7	9.6	11.3	9.7
1994	7.0	11.3	15.8	21.8	45.0	100.0	14.7	9.5	11.3	9.6
1995	7.3	11.3	15.6	21.5	45.3	100.0	14.5	9.5	11.4	9.9
1996	6.9	11.0	15.4	21.2	46.4	100.0	14.4	9.5	11.4	11.0
1997	6.8	10.7	15.0	20.8	47.6	100.0	14.3	9.5	11.6	12.2
1998	6.9	10.6	14.8	20.5	48.0	100.0	14.1	9.3	11.6	13.1
1999	6.7	10.4	14.6	20.2	48.8	100.0	13.9	9.3	11.7	13.9
2000	6.6	10.3	14.5	19.9	49.4	100.0	13.7	9.2	11.6	14.9
2001	6.8	10.8	15.1	20.9	47.2	100.0	14.2	9.4	11.5	12.2
2002	7.1	11.1	15.4	21.2	46.2	100.0	14.3	9.4	11.5	11.0
2003	7.0	10.9	15.2	20.9	47.0	100.0	14.4	9.4	11.4	11.7
2004	6.8	10.8	14.8	20.4	48.2	100.0	14.0	9.2	11.4	13.5
2005	6.6	10.3	14.3	19.8	49.7	100.0	13.7	9.2	11.7	15.1
2006	6.4	10.2	14.2	19.7	50.4	100.0	13.6	9.2	11.8	15.8
2007	6.6	10.2	14.0	19.3	50.8	100.0	13.4	9.1	11.7	16.6
2008	7.1	10.9	14.8	20.3	48.4	100.0	13.9	9.2	11.4	13.9
2009	7.2	11.4	15.4	21.2	46.5	100.0	14.5	9.5	11.3	11.3
2010	7.2	11.2	15.1	20.7	47.4	100.0	14.2	9.3	11.3	12.6
2011	7.3	11.1	14.9	20.7	47.6	100.0	14.2	9.5	11.5	12.5
2012	6.8	10.6	14.4	20.1	49.6	100.0	13.9	9.3	11.6	14.9
2013	7.2	11.0	14.9	20.7	47.8	100.0	14.4	9.5	11.7	12.2
2014	7.3	10.9	14.5	20.3	48.5	100.0	14.0	9.5	11.8	13.3
2015	7.5	11.0	14.6	20.2	48.2	100.0	13.9	9.4	11.7	13.2
2016	7.7	11.1	14.7	20.3	47.6	100.0	14.1	9.4	11.6	12.5

**Source:** Congressional Budget Office, <https://www.cbo.gov/publication/55413>

**Notes:** Effective tax rates are calculated by dividing taxes by comprehensive household income; \* = between -0.05 and 0.05 percent.

Numbers in the data may not add up to totals because of rounding. Dollar amounts are rounded to the nearest hundred;

Comprehensive household income equals pretax cash income plus income from other sources. Pretax cash income is the sum of wages, salaries, self-employment income, rents, taxable and nontaxable interest, dividends, realized capital gains, cash transfer payments, and retirement benefits plus taxes paid by businesses (corporate income taxes and the employer's share of Social Security, Medicare, and federal unemployment insurance payroll taxes) and employee contributions to 401(k) retirement plans. Other sources of income include all in-kind benefits (Medicare, Medicaid, employer-paid health insurance premiums, food stamps, school lunches and breakfasts, housing assistance, and energy assistance).

Income categories are defined by ranking all people by their comprehensive household income adjusted for household size—that is, divided by the square root of the household's size. (A household consists of the people who share a housing unit, regardless of their relationships.) Quintiles, or fifths, contain equal numbers of people. Households with negative income (business or investment losses larger than other income) are excluded from the lowest income category but are included in totals.

Individual income taxes are attributed directly to households paying those taxes. Social insurance, or payroll, taxes are attributed to households

**Number of Households (millions)**  
**by Comprehensive Household Income Quintile, 1979-2016**

Year	Lowest Quintile	Second Quintile	Middle Quintile	Fourth Quintile	Highest Quintile	All Quintiles	81st - 90th Percentiles	91st - 95th Percentiles	96th - 99th Percentiles	Top 1%
1979	17.5	16.2	15.1	15.5	16.6	81.1	8.1	4.3	3.4	0.9
1980	17.6	16.4	15.4	15.8	17.0	82.6	8.3	4.3	3.5	0.9
1981	17.3	16.7	15.9	15.9	17.5	83.8	8.5	4.4	3.7	0.9
1982	16.9	16.8	16.0	16.2	17.8	84.3	8.7	4.5	3.7	0.9
1983	16.7	17.3	16.5	16.8	18.0	85.8	8.8	4.6	3.7	0.9
1984	17.8	17.4	16.6	17.0	17.9	87.2	8.8	4.5	3.7	0.9
1985	17.7	17.7	17.0	17.3	18.6	88.8	9.2	4.7	3.8	1.0
1986	18.0	18.0	17.4	17.5	18.6	89.9	9.1	4.7	3.8	1.0
1987	17.7	18.7	18.0	17.9	18.8	91.4	9.3	4.7	3.8	0.9
1988	17.9	19.1	18.1	18.4	19.1	93.1	9.5	4.8	3.9	1.0
1989	17.8	19.3	18.4	18.5	19.2	93.6	9.5	4.8	3.9	1.0
1990	18.2	19.2	18.4	18.8	19.7	94.6	9.7	5.0	4.0	1.0
1991	18.2	19.5	19.0	18.9	19.9	96.0	9.8	5.0	4.1	1.0
1992	17.8	19.9	19.1	19.0	20.1	96.3	9.9	5.1	4.1	1.0
1993	17.8	20.2	19.3	19.3	20.3	97.3	10.0	5.1	4.1	1.0
1994	18.3	20.5	19.8	19.6	20.4	99.1	10.0	5.2	4.2	1.0
1995	18.9	20.3	19.7	19.8	20.6	99.7	10.1	5.3	4.2	1.0
1996	18.9	20.8	20.0	20.1	21.0	101.1	10.3	5.3	4.3	1.1
1997	19.5	20.6	20.3	20.3	21.4	102.6	10.6	5.4	4.3	1.0
1998	20.0	20.7	20.7	20.6	21.6	104.0	10.7	5.5	4.3	1.0
1999	20.4	20.7	20.7	20.9	21.7	104.8	10.7	5.5	4.4	1.1
2000	21.0	21.6	21.5	21.5	22.3	108.3	11.0	5.6	4.6	1.1
2001	21.1	21.8	21.7	21.9	22.4	109.4	11.1	5.7	4.6	1.1
2002	21.3	22.5	22.1	22.2	22.7	111.4	11.2	5.7	4.7	1.1
2003	21.5	22.8	22.4	22.2	22.8	112.1	11.3	5.7	4.6	1.1
2004	21.8	23.2	22.5	22.3	22.9	113.3	11.3	5.8	4.6	1.1
2005	22.2	23.4	22.6	22.6	23.2	114.5	11.5	5.9	4.7	1.1
2006	21.8	23.8	23.4	23.1	23.6	116.1	11.7	6.0	4.8	1.1
2007	22.7	23.8	23.2	23.0	23.7	116.9	11.8	6.0	4.8	1.2
2008	22.5	24.1	23.4	23.1	23.5	117.3	11.6	6.0	4.8	1.1
2009	21.6	24.3	23.7	23.5	23.8	117.6	11.9	6.0	4.8	1.1
2010	22.2	24.6	24.0	23.6	23.8	118.7	11.9	6.0	4.8	1.1
2011	22.9	25.1	24.4	24.1	24.1	121.2	12.0	6.1	4.8	1.1
2012	23.0	25.2	24.8	24.4	24.6	122.5	12.3	6.2	4.9	1.2
2013	23.2	25.4	24.9	24.4	24.6	123.1	12.4	6.2	4.9	1.2
2014	23.7	26.0	24.8	24.7	24.9	124.7	12.4	6.4	5.0	1.2
2015	24.3	26.1	25.2	24.9	25.0	126.1	12.5	6.3	5.0	1.2
2016	24.9	26.1	25.1	25.0	24.9	126.5	12.5	6.3	4.9	1.2

**Source:** Congressional Budget Office, <https://www.cbo.gov/publication/55413>

**Notes:** Effective tax rates are calculated by dividing taxes by comprehensive household income; \* = between -0.05 and 0.05 percent.

Numbers in the data may not add up to totals because of rounding. Dollar amounts are rounded to the nearest hundred; Comprehensive household income equals pretax cash income plus income from other sources. Pretax cash income is the sum of wages, salaries, self-employment income, rents, taxable and nontaxable interest, dividends, realized capital gains, cash transfer payments, and retirement benefits plus taxes paid by businesses (corporate income taxes and the employer's share of Social Security, Medicare, and federal unemployment insurance payroll taxes) and employee contributions to 401(k) retirement plans. Other sources of income include all in-kind benefits (Medicare, Medicaid, employer-paid health insurance premiums, food stamps, school lunches and breakfasts, housing assistance, and energy assistance).

Income categories are defined by ranking all people by their comprehensive household income adjusted for household size—that is, divided by the square root of the household's size. (A household consists of the people who share a housing unit, regardless of their relationships.) Quintiles, or fifths, contain equal numbers of people. Households with negative income (business or investment losses larger than other income) are excluded from the lowest income category but are included in totals.

Individual income taxes are attributed directly to households paying those taxes. Social insurance, or payroll, taxes are attributed

13-Dec-19

**Average Before-Tax Income (2016 dollars) for All Households,  
by Comprehensive Household Income Quintile, 1979-2016**

Year	Lowest Quintile	Second Quintile	Middle Quintile	Fourth Quintile	Highest Quintile	All Quintiles	81st - 90th Percentiles	91st - 95th Percentiles	96th - 99th Percentiles	Top 1%
1979	15,500	37,100	56,900	77,300	146,600	66,000	100,500	124,200	179,800	563,200
1980	14,900	35,600	55,000	75,100	142,700	64,100	98,300	121,800	173,800	540,300
1981	14,700	35,300	54,700	76,000	142,200	64,300	98,100	122,000	172,100	537,900
1982	14,200	34,500	53,900	75,200	143,200	64,400	98,000	121,100	172,600	566,800
1983	13,600	33,700	53,200	74,900	148,400	65,100	99,200	124,400	177,900	621,400
1984	14,600	35,800	56,300	78,900	161,000	68,700	106,000	134,000	193,000	687,200
1985	14,500	35,800	56,400	79,200	162,700	69,800	104,900	133,400	195,100	736,100
1986	14,400	36,300	57,500	82,000	182,400	74,500	109,900	139,900	212,600	964,300
1987	13,800	35,400	57,200	82,500	172,300	72,100	110,900	142,400	210,700	772,800
1988	14,300	36,000	58,100	83,100	184,400	75,200	112,400	145,100	217,500	968,100
1989	15,000	36,300	58,700	84,100	184,000	75,700	114,100	147,500	221,700	900,900
1990	15,400	37,500	59,100	83,500	179,500	75,300	112,700	144,100	215,600	871,800
1991	15,500	36,600	58,000	82,700	173,600	73,500	111,000	143,100	211,800	784,300
1992	15,600	36,300	58,300	83,500	180,900	75,500	112,300	145,600	218,800	884,300
1993	15,600	36,400	58,500	84,200	181,100	75,800	113,800	147,100	220,900	850,000
1994	15,500	36,700	58,700	85,300	185,400	76,600	116,200	149,700	226,500	875,900
1995	16,700	38,600	60,800	87,100	194,200	79,900	119,400	153,900	238,300	972,400
1996	16,700	38,600	61,700	88,900	205,400	83,000	122,000	159,700	248,000	1,077,400
1997	17,600	40,000	63,000	91,000	218,200	86,800	124,900	165,900	264,400	1,244,100
1998	18,800	41,900	65,200	94,500	233,000	91,500	130,200	172,700	279,200	1,413,000
1999	19,500	43,400	67,100	97,000	248,200	95,900	135,400	179,800	292,600	1,542,200
2000	19,300	43,500	67,500	98,700	260,300	98,500	138,100	185,400	301,500	1,695,200
2001	19,000	42,900	67,200	97,500	237,400	93,100	136,700	179,900	284,500	1,355,200
2002	18,800	41,800	65,800	95,800	225,800	89,500	134,400	177,400	273,200	1,200,900
2003	18,500	41,400	65,700	97,100	233,600	91,000	136,300	181,000	282,300	1,278,400
2004	18,800	42,400	67,800	100,200	254,100	96,100	141,300	187,100	299,700	1,524,500
2005	19,300	42,800	69,000	101,900	275,600	101,300	144,200	194,500	323,300	1,842,000
2006	20,300	43,800	69,700	103,900	287,500	105,200	147,700	199,900	333,600	1,993,200
2007	21,600	45,900	72,200	106,700	298,600	108,500	150,700	205,100	344,500	2,099,900
2008	21,200	44,200	70,000	104,100	270,600	100,800	147,700	198,300	318,800	1,715,100
2009	20,300	42,900	68,400	101,700	245,100	94,800	144,200	192,700	299,400	1,338,600
2010	19,800	42,300	67,700	101,200	256,400	96,400	144,300	194,200	308,000	1,536,900
2011	20,100	42,100	67,100	101,100	259,000	96,300	145,700	197,000	315,100	1,536,600

**Average Before-Tax Income (2016 dollars) for All Households,  
by Comprehensive Household Income Quintile, 1979-2016**

Year	Lowest Quintile	Second Quintile	Middle Quintile	Fourth Quintile	Highest Quintile	All Quintiles	81st - 90th Percentiles	91st - 95th Percentiles	96th - 99th Percentiles	Top 1%
2012	19,200	41,800	67,100	101,800	279,600	100,800	146,800	200,000	329,900	1,897,800
2013	19,900	42,600	68,300	104,100	269,700	99,600	149,500	205,500	333,700	1,597,200
2014	19,400	42,700	69,600	105,800	285,100	103,100	153,200	209,200	346,600	1,797,400
2015	20,500	44,600	72,000	109,300	295,100	106,200	158,700	216,700	359,700	1,876,500
2016	20,600	45,300	72,500	109,600	291,200	105,500	159,600	218,300	359,500	1,788,800

**Source:** Congressional Budget Office, <https://www.cbo.gov/publication/55413>

**Notes:** Effective tax rates are calculated by dividing taxes by comprehensive household income; \* = between -0.05 and 0.05 percent.

Numbers in the data may not add up to totals because of rounding. Dollar amounts are rounded to the nearest hundred; Comprehensive household income equals pretax cash income plus income from other sources. Pretax cash income is the sum of wages, salaries, self-employment income, rents, taxable and nontaxable interest, dividends, realized capital gains, cash transfer payments, and retirement benefits plus taxes paid by businesses (corporate income taxes and the employer's share of Social Security, Medicare, and federal unemployment insurance payroll taxes) and employee contributions to 401(k) retirement plans. Other sources of income include all in-kind benefits (Medicare, Medicaid, employer-paid health insurance premiums, food stamps, school lunches and breakfasts, housing assistance, and energy assistance).

Income categories are defined by ranking all people by their comprehensive household income adjusted for household size—that is, divided by the square root of the household's size. (A household consists of the people who share a housing unit, regardless of their relationships.) Quintiles, or fifths, contain equal numbers of people. Households with negative income (business or investment losses larger than other income) are excluded from the lowest income category but are included in totals.

Individual income taxes are attributed directly to households paying those taxes. Social insurance, or payroll, taxes are attributed to households paying those taxes directly or paying them indirectly through their employers. Corporate income taxes are attributed to households according to their share of capital income. Federal excise taxes are attributed to them according to their consumption of the taxed good or service.

**Average After-Tax Income (2016 dollars) for All Households,  
by Comprehensive Household Income Quintile, 1979-2016**

Year	Lowest Quintile	Second Quintile	Middle Quintile	Fourth Quintile	Highest Quintile	All Quintiles	81st - 90th Percentiles	91st - 95th Percentiles	96th - 99th Percentiles	Top 1%
1979	19,000	32,500	46,500	60,800	107,000	52,600	76,900	93,000	131,100	365,900
1980	18,800	31,300	45,000	59,000	104,400	51,200	74,900	90,800	126,300	361,800
1981	18,700	31,100	44,500	59,300	104,500	51,300	74,300	90,600	125,400	374,100
1982	18,500	30,700	44,500	59,900	108,700	52,500	76,000	92,500	130,400	415,200
1983	18,100	30,000	44,200	60,000	113,500	53,200	77,400	96,100	136,100	455,200
1984	18,500	31,500	46,500	63,100	122,900	55,900	82,600	103,400	147,800	501,600
1985	18,800	31,400	46,500	63,200	124,300	56,800	81,700	102,500	149,100	544,500
1986	18,800	31,900	47,500	65,300	139,700	60,500	85,300	107,300	162,800	726,700
1987	18,700	31,400	47,400	65,900	128,400	58,000	85,700	107,700	156,200	540,800
1988	19,300	31,700	48,000	66,000	137,800	60,300	86,600	109,800	162,200	691,200
1989	20,300	32,300	48,500	66,900	138,100	61,000	88,100	111,900	165,700	649,700
1990	21,100	33,200	48,900	66,400	135,000	60,900	87,000	109,600	161,400	630,100
1991	21,900	32,900	48,300	66,000	130,100	59,800	85,900	108,500	158,000	557,700
1992	22,700	33,200	48,700	67,000	135,200	61,500	87,100	110,700	163,000	622,700
1993	23,400	33,500	49,000	67,600	133,400	61,500	88,200	111,500	162,600	568,100
1994	23,600	34,000	49,100	68,100	135,500	62,000	89,700	112,800	166,200	574,600
1995	24,700	35,700	50,900	69,600	141,100	64,400	91,900	115,500	173,700	633,700
1996	24,600	35,600	51,700	71,000	148,800	66,500	94,000	119,900	180,200	702,400
1997	24,900	36,700	52,400	72,700	158,100	69,200	95,900	124,300	191,800	823,800
1998	26,200	38,900	54,700	75,600	169,600	73,300	100,100	129,500	203,000	955,200
1999	26,500	40,000	56,400	77,500	179,500	76,300	103,600	134,100	211,000	1,039,400
2000	26,500	40,300	57,000	78,900	188,300	78,500	105,800	138,400	217,500	1,148,400
2001	26,900	41,000	57,800	79,300	174,600	75,900	106,300	136,100	208,800	921,500
2002	27,400	40,600	57,300	78,800	167,800	74,000	105,500	135,500	202,200	818,100
2003	27,600	41,000	57,900	80,600	176,200	76,200	108,500	140,400	211,900	891,200
2004	28,200	42,100	59,700	83,100	190,900	80,100	112,300	144,600	224,000	1,068,000
2005	28,700	42,300	60,600	84,200	205,800	83,700	114,400	150,300	240,100	1,286,500
2006	29,300	43,300	61,100	85,800	214,700	86,700	117,100	154,200	247,500	1,399,400
2007	30,600	45,000	63,400	88,400	225,200	89,800	119,800	159,000	257,500	1,507,600
2008	31,500	45,500	63,400	88,400	207,000	85,800	119,800	155,600	240,800	1,234,600
2009	32,300	45,200	62,700	87,100	188,800	82,000	117,700	152,500	227,600	954,400
2010	32,300	44,700	61,900	86,300	195,600	82,900	117,100	152,700	232,100	1,088,100
2011	31,900	44,600	61,400	86,400	198,600	83,000	118,800	155,800	239,000	1,091,300
2012	31,200	44,300	61,300	86,700	213,300	86,100	119,300	157,400	248,500	1,356,600
2013	32,000	44,400	61,400	87,200	199,400	83,400	118,900	158,400	246,300	1,060,500
2014	33,100	45,300	62,800	88,500	209,700	86,400	121,700	160,900	254,600	1,194,100
2015	34,900	47,300	65,200	91,400	217,200	89,300	125,900	166,300	264,300	1,251,800
2016	35,000	48,000	65,900	91,700	214,900	89,000	126,800	167,700	264,100	1,193,900

**Source:** Congressional Budget Office, <https://www.cbo.gov/publication/55413>

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13-Dec-19

**Share of Before-Tax Income for All Households,  
by Comprehensive Household Income Quintile, 1979-2016**

Year	Lowest Quintile	Second Quintile	Middle Quintile	Fourth Quintile	Highest Quintile	All Quintiles	81st - 90th Percentiles	91st - 95th Percentiles	96th - 99th Percentiles	Top 1%
1979	5.0	11.2	16.0	22.4	45.6	100.0	15.3	9.9	11.5	9.0
1980	4.9	11.0	16.0	22.4	46.0	100.0	15.4	10.0	11.6	9.0
1981	4.7	10.9	16.1	22.5	46.2	100.0	15.5	10.1	11.7	9.0
1982	4.4	10.7	15.9	22.5	47.0	100.0	15.7	10.1	11.7	9.5
1983	4.1	10.5	15.7	22.5	47.9	100.0	15.7	10.1	11.9	10.2
1984	4.3	10.4	15.6	22.4	48.0	100.0	15.5	10.1	11.8	10.6
1985	4.1	10.2	15.4	22.1	48.8	100.0	15.5	10.1	11.9	11.3
1986	3.9	9.7	14.9	21.4	50.8	100.0	15.0	9.9	12.1	13.8
1987	3.7	10.1	15.6	22.4	49.0	100.0	15.7	10.2	12.1	11.1
1988	3.7	9.8	15.1	21.8	50.4	100.0	15.3	9.9	12.0	13.2
1989	3.8	9.9	15.2	21.9	50.0	100.0	15.3	10.1	12.2	12.3
1990	3.9	10.1	15.2	22.0	49.5	100.0	15.3	10.1	12.2	12.0
1991	4.0	10.1	15.6	22.1	49.0	100.0	15.4	10.2	12.3	11.1
1992	3.8	9.9	15.3	21.9	49.9	100.0	15.3	10.1	12.4	12.1
1993	3.8	10.0	15.3	22.0	49.8	100.0	15.4	10.2	12.4	11.7
1994	3.7	9.9	15.3	22.0	49.8	100.0	15.4	10.2	12.4	11.8
1995	4.0	9.9	15.1	21.7	50.2	100.0	15.2	10.2	12.5	12.3
1996	3.8	9.6	14.7	21.3	51.3	100.0	15.0	10.1	12.6	13.6
1997	3.9	9.3	14.4	20.7	52.4	100.0	14.9	10.1	12.7	14.7
1998	4.0	9.1	14.2	20.5	52.9	100.0	14.7	10.0	12.7	15.5
1999	4.0	8.9	13.8	20.2	53.7	100.0	14.4	9.9	12.9	16.5
2000	3.8	8.8	13.6	19.9	54.4	100.0	14.3	9.8	12.9	17.5
2001	3.9	9.2	14.3	21.0	52.3	100.0	14.8	10.1	12.7	14.6
2002	4.0	9.4	14.6	21.3	51.4	100.0	15.1	10.2	12.8	13.3
2003	3.9	9.2	14.4	21.1	52.1	100.0	15.1	10.2	12.8	14.1
2004	3.8	9.0	14.0	20.5	53.4	100.0	14.7	10.0	12.7	16.0
2005	3.7	8.6	13.5	19.9	55.0	100.0	14.3	9.9	13.0	17.9
2006	3.6	8.5	13.3	19.6	55.6	100.0	14.1	9.8	13.1	18.6
2007	3.9	8.6	13.2	19.3	55.7	100.0	14.0	9.7	13.0	19.1
2008	4.0	9.0	13.9	20.4	53.9	100.0	14.6	10.0	12.9	16.4



**Share of Before-Tax Income for All Households,  
by Comprehensive Household Income Quintile, 1979-2016**

Year	Lowest Quintile	Second Quintile	Middle Quintile	Fourth Quintile	Highest Quintile	All Quintiles	81st - 90th Percentiles	91st - 95th Percentiles	96th - 99th Percentiles	Top 1%
2009	3.9	9.4	14.5	21.5	52.3	100.0	15.3	10.4	12.8	13.7
2010	3.9	9.2	14.2	20.8	53.2	100.0	14.9	10.2	12.8	15.3
2011	3.9	9.1	14.0	20.9	53.5	100.0	15.0	10.3	13.0	15.1
2012	3.6	8.5	13.5	20.1	55.6	100.0	14.6	10.1	13.1	17.8
2013	3.8	8.8	13.9	20.7	54.2	100.0	15.1	10.3	13.3	15.4
2014	3.6	8.6	13.4	20.3	55.3	100.0	14.8	10.3	13.5	16.7
2015	3.7	8.7	13.6	20.3	55.0	100.0	14.8	10.3	13.3	16.6
2016	3.8	8.9	13.6	20.5	54.4	100.0	14.9	10.3	13.3	15.8

**Source:** Congressional Budget Office, <https://www.cbo.gov/publication/55413>

**Notes:** Effective tax rates are calculated by dividing taxes by comprehensive household income; \* = between -0.05 and 0.05 percent.

Numbers in the data may not add up to totals because of rounding. Dollar amounts are rounded to the nearest hundred; Comprehensive household income equals pretax cash income plus income from other sources. Pretax cash income is the sum of wages, salaries, self-employment income, rents, taxable and nontaxable interest, dividends, realized capital gains, cash transfer payments, and retirement benefits plus taxes paid by businesses (corporate income taxes and the employer's share of Social Security, Medicare, and federal unemployment insurance payroll taxes) and employee contributions to 401(k) retirement plans. Other sources of income include all in-kind benefits (Medicare, Medicaid, employer-paid health insurance premiums, food stamps, school lunches and breakfasts, housing assistance, and energy assistance).

Income categories are defined by ranking all people by their comprehensive household income adjusted for household size—that is, divided by the square root of the household's size. (A household consists of the people who share a housing unit, regardless of their relationships.) Quintiles, or fifths, contain equal numbers of people. Households with negative income (business or investment losses larger than other income) are excluded from the lowest income category but are included in totals.

Individual income taxes are attributed directly to households paying those taxes. Social insurance, or payroll, taxes are attributed to households paying those taxes directly or paying them indirectly through their employers. Corporate income taxes are attributed to households according to their share of capital income. Federal excise taxes are attributed to them according to their consumption of the taxed good or service.

**Share of After Tax Income for All Households,  
by Comprehensive Household Income Quintile, 1979-2016**

Year	Lowest Quintile	Second Quintile	Middle Quintile	Fourth Quintile	Highest Quintile	All Quintiles	81st - 90th Percentiles	91st - 95th Percentiles	96th - 99th Percentiles	Top 1%
1979	7.8	12.3	16.4	22.1	41.8	100.0	14.6	9.3	10.5	7.4
1980	7.8	12.2	16.4	22.0	42.1	100.0	14.7	9.3	10.6	7.5
1981	7.5	12.1	16.4	22.0	42.6	100.0	14.7	9.4	10.7	7.8
1982	7.1	11.7	16.1	22.0	43.8	100.0	14.9	9.5	10.8	8.5
1983	6.6	11.3	16.0	22.0	44.7	100.0	14.9	9.6	11.1	9.1
1984	6.7	11.3	15.8	22.0	45.0	100.0	14.9	9.5	11.1	9.5
1985	6.6	11.0	15.7	21.7	45.9	100.0	14.8	9.6	11.2	10.3
1986	6.2	10.5	15.2	21.0	47.9	100.0	14.3	9.4	11.4	12.8
1987	6.2	11.1	16.0	22.2	45.4	100.0	15.0	9.6	11.2	9.6
1988	6.2	10.8	15.5	21.6	46.9	100.0	14.7	9.4	11.2	11.7
1989	6.3	10.9	15.6	21.6	46.5	100.0	14.7	9.5	11.4	11.0
1990	6.6	11.1	15.6	21.7	46.0	100.0	14.6	9.5	11.3	10.7
1991	7.0	11.2	16.0	21.8	45.2	100.0	14.7	9.5	11.3	9.7
1992	6.8	11.2	15.7	21.6	45.8	100.0	14.6	9.5	11.3	10.5
1993	7.0	11.3	15.8	21.8	45.2	100.0	14.7	9.6	11.3	9.7
1994	7.0	11.3	15.8	21.8	45.0	100.0	14.7	9.5	11.3	9.6
1995	7.3	11.3	15.6	21.5	45.3	100.0	14.5	9.5	11.4	9.9
1996	6.9	11.0	15.4	21.2	46.4	100.0	14.4	9.5	11.4	11.0
1997	6.8	10.7	15.0	20.8	47.6	100.0	14.3	9.5	11.6	12.2
1998	6.9	10.6	14.8	20.5	48.0	100.0	14.1	9.3	11.6	13.1
1999	6.7	10.4	14.6	20.2	48.8	100.0	13.9	9.3	11.7	13.9
2000	6.6	10.3	14.5	19.9	49.4	100.0	13.7	9.2	11.6	14.9
2001	6.8	10.8	15.1	20.9	47.2	100.0	14.2	9.4	11.5	12.2
2002	7.1	11.1	15.4	21.2	46.2	100.0	14.3	9.4	11.5	11.0
2003	7.0	10.9	15.2	20.9	47.0	100.0	14.4	9.4	11.4	11.7
2004	6.8	10.8	14.8	20.4	48.2	100.0	14.0	9.2	11.4	13.5
2005	6.6	10.3	14.3	19.8	49.7	100.0	13.7	9.2	11.7	15.1
2006	6.4	10.2	14.2	19.7	50.4	100.0	13.6	9.2	11.8	15.8
2007	6.6	10.2	14.0	19.3	50.8	100.0	13.4	9.1	11.7	16.6
2008	7.1	10.9	14.8	20.3	48.4	100.0	13.9	9.2	11.4	13.9
2009	7.2	11.4	15.4	21.2	46.5	100.0	14.5	9.5	11.3	11.3
2010	7.2	11.2	15.1	20.7	47.4	100.0	14.2	9.3	11.3	12.6
2011	7.3	11.1	14.9	20.7	47.6	100.0	14.2	9.5	11.5	12.5
2012	6.8	10.6	14.4	20.1	49.6	100.0	13.9	9.3	11.6	14.9
2013	7.2	11.0	14.9	20.7	47.8	100.0	14.4	9.5	11.7	12.2
2014	7.3	10.9	14.5	20.3	48.5	100.0	14.0	9.5	11.8	13.3
2015	7.5	11.0	14.6	20.2	48.2	100.0	13.9	9.4	11.7	13.2
2016	7.7	11.1	14.7	20.3	47.6	100.0	14.1	9.4	11.6	12.5

**Source:** Congressional Budget Office, <https://www.cbo.gov/publication/55413>

**Notes:** Effective tax rates are calculated by dividing taxes by comprehensive household income; \* = between -0.05 and 0.05 percent.

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