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Average Federal Tax Rates for All Households,
by Comprehensive Household Income Quintile, 1979-2019

Year	Lowest Quintile	Second Quintile	Third Quintile	Fourth Quintile	Highest Quintile	All Quintiles	81st-90th Percentiles	91st-95th Percentiles	96th-99th Percentiles	Top 1%
Average Total Federal Tax Rate (percent)										
1979	9.3	14.6	14.7	21.7	22.4	21.7	21.4	21.4	24.1	34.1
1980	9.3	14.7	15.2	21.8	22.6	21.7	22.6	22.6	24.5	33.1
1981	9.6	15.2	15.4	22.3	22.6	21.9	23.1	24.4	25.5	30.5
1982	9.8	15.3	15.1	21.9	22.4	21.8	23.0	23.7	25.8	33.8
1983	11.1	14.0	17.5	20.1	20.5	22.0	22.9	22.9	23.5	26.8
1984	12.1	14.3	14.3	20.3	21.7	22.1	23.1	23.1	24.2	27.2
1985	11.8	15.1	18.2	20.5	23.7	20.9	22.3	23.2	23.8	26.1
1986	11.7	15.0	18.0	20.8	23.5	21.0	22.8	24.4	25.9	26.1
1987	10.7	14.7	17.8	20.4	23.8	21.8	22.8	24.5	25.8	26.1
1988	9.2	14.7	18.2	20.6	24.9	21.7	23.0	24.1	25.2	27.7
1989	9.4	14.8	18.1	20.5	25.2	21.8	23.0	24.3	25.6	28.3
1990	10.7	15.0	18.2	20.8	25.5	21.7	23.7	24.1	25.2	27.7
1991	10.3	14.8	17.8	20.3	25.6	21.1	23.7	24.1	25.2	28.2
1992	10.0	13.9	17.7	20.3	25.4	20.3	23.7	24.1	25.2	28.6
1993	10.3	14.8	17.8	20.3	25.6	20.1	23.7	24.1	25.2	28.2
1994	8.2	13.5	17.8	20.7	27.1	22.5	23.1	24.8	26.7	34.4
1995	7.8	13.8	17.8	20.7	27.2	22.7	23.1	24.8	26.7	34.3
1996	6.8	13.7	17.8	20.7	27.7	22.9	23.2	25.1	27.4	34.8
1997	7.0	14.0	18.1	20.7	27.7	23.0	25.2	27.8	29.8	33.8
1998	5.9	13.4	17.8	20.7	27.8	23.0	25.2	27.4	29.4	32.6
1999	7.2	13.8	17.5	20.7	27.8	23.1	23.7	25.5	28.0	32.6
2000	6.8	13.8	17.5	20.7	27.8	23.1	23.7	25.5	28.0	32.3
2001	6.1	11.7	15.7	19.3	26.8	21.6	22.5	24.6	26.8	32.0
2002	5.4	11.3	15.1	19.3	26.5	20.8	22.8	24.5	26.8	31.9
2003	5.7	10.1	14.3	17.8	24.8	19.9	20.8	22.7	25.1	30.3
2004	5.3	10.5	14.8	18.3	25.5	20.3	21.0	23.0	25.9	30.2
2005	5.9	10.5	14.3	18.3	25.5	20.9	21.0	23.1	25.9	29.8
2006	5.3	10.8	14.6	18.1	24.8	20.5	20.8	22.7	24.4	28.2
2007	5.3	11.0	14.8	18.1	24.8	20.5	20.8	22.7	24.4	28.2
2008	5.2	11.8	15.5	19.9	23.3	18.3	19.3	21.2	24.2	28.1
2009	0.0	7.6	12.1	15.9	24.0	18.6	19.4	21.8	24.8	29.3
2010	0.0	7.7	12.2	15.9	24.0	18.7	19.5	21.8	24.8	29.3
2011	0.3	13.3	17.4	20.7	26.3	21.1	23.0	25.3	27.3	33.3
2012	0.9	13.9	17.8	20.7	26.4	21.2	23.2	25.3	27.3	33.1
2013	1.6	9.3	13.9	17.8	26.4	20.9	21.2	23.6	26.7	33.1
2014	1.3	9.2	14.5	17.8	26.1	20.8	21.3	23.4	26.5	31.6
2015	1.3	9.2	14.5	17.8	26.1	20.8	21.3	23.4	26.5	31.6
2016	1.3	9.2	14.5	17.8	26.1	20.8	21.3	23.4	26.5	31.6
2017	1.3	9.2	14.5	17.8	26.1	20.8	21.3	23.4	26.5	31.6
Average Individual Income Tax Rate (percent)										
1979	-0.2	4.1	7.4	15.8	11.1	12.2	14.1	16.4	24.6	
1980	0.9	4.5	7.9	10.7	15.6	11.8	13.1	15.1	17.2	22.5
1981	0.4	4.9	8.2	11.0	16.7	12.1	13.5	15.4	18.2	21.9
1982	0.4	4.3	7.4	10.0	15.3	11.1	12.3	13.8	16.6	20.6
1983	0.3	4.9	8.7	10.0	14.1	10.3	11.1	12.6	14.8	19.7
1984	0.3	4.9	8.7	10.0	14.1	10.3	11.1	12.6	14.8	19.7
1985	0.6	4.1	6.5	8.8	14.0	10.2	10.8	12.4	14.6	19.1
1986	0.4	4.3	6.5	8.8	14.0	10.2	10.8	12.4	14.6	18.4
1987	0.7	3.2	5.8	8.1	14.9	10.3	10.8	12.8	15.9	21.8
1988	1.4	3.2	5.9	8.2	14.9	10.3	10.8	12.8	15.8	20.4
1989	2.3	3.0	5.9	8.3	14.7	10.3	10.8	12.8	15.8	20.3
1990	2.2	3.4	6.0	8.2	14.5	10.2	10.2	12.1	15.1	21.6
1991	2.3	3.4	6.0	8.2	14.5	10.2	10.2	12.1	15.1	21.6
1992	2.7	2.6	5.5	7.8	14.6	10.0	10.2	12.2	15.4	23.7
1993	5.1	2.0	5.4	7.8	15.1	10.3	10.4	12.4	14.4	24.4
1994	5.1	2.0	5.4	7.9	15.1	10.3	10.4	12.4	14.4	24.4
1995	5.2	2.0	5.4	7.9	15.1	10.3	10.4	12.4	14.4	24.4
1996	6.4	2.0	5.4	7.9	16.1	10.7	10.4	12.6	16.4	24.8
1997	4.2	2.0	5.4	7.9	16.1	10.7	10.7	12.3	15.7	24.4
1998	4.1	1.7	5.1	7.9	16.6	11.0	10.8	13.2	17.2	23.9
1999	5.7	1.7	5.1	7.9	17.2	11.5	11.5	13.7	18.1	24.7
2000	4.1	1.8	5.1	8.1	17.6	11.8	11.3	13.7	18.1	24.7
2001	4.5	1.8	4.0	7.1	16.5	10.5	10.3	12.9	17.1	24.6
2002	7.0	1.8	4.0	7.1	16.5	10.5	10.3	12.9	17.1	24.6
2003	7.0	1.8	2.8	5.9	13.8	8.5	8.5	10.9	14.6	21.0
2004	7.2	1.8	3.0	5.9	14.5	8.6	8.6	10.9	14.6	20.9
2005	7.5	1.8	3.0	5.9	14.5	8.6	8.6	10.9	14.6	20.8
2006	7.5	1.8	3.0	5.9	14.5	8.6	8.6	10.9	14.6	20.8
2007	7.5	1.8	3.2	5.9	14.5	8.6	8.6	10.9	14.6	20.8
2008	7.5	1.8	3.4	4.7	13.4	7.5	7.5	10.3	14.7	21.0
2009	12.0	2.8	2.6	17.0	13.8	7.9	7.7	10.3	14.7	20.2
2010	12.0	2.8	2.6	14.0	14.0	8.0	8.0	10.3	14.7	20.2
2011	11.5	1.5	1.1	2.7	9.0	9.0	9.7	9.3	11.6	19.9
2012	11.0	1.5	1.1	2.7	9.0	9.0	9.7	9.3	11.6	19.9
2013	11.0	1.5	1.1	2.7	9.0	9.0	9.7	9.3	11.6	19.9
2014	11.5	1.5	1.1	2.8	9.1	9.0	9.7	9.3	11.6	19.9
2015	11.5	1.5	1.1	2.8	9.1	9.0	9.7	9.3	11.6	19.9
2016	10.9	1.5	1.1	2.8	9.1	9.0	9.7	9.3	11.6	19.9
2017	10.9	1.5	1.1	2.8	9.1	9.0	9.7	9.3	11.6	19.9
Average Payroll Tax Rate (percent)										
1979	6.0	7.7	8.5	9.0	9.8	7.9	7.1	4.4	1.0	
1980	6.0	7.8	8.5	9.5	10.1	7.0	7.9	7.0	4.7	1.1
1981	6.2	9.0	9.1	9.1	6.1	7.5	8.6	7.7	5.2	1.3
1982	7.1	7.5	7.9	9.3	6.3	7.5	8.5	7.1	5.8	1.3
1983	7.4	7.9	8.5	9.0	6.3	7.5	8.8	7.9	5.7	1.5
1984	7.6	8.1	8.4	9.3	5.3	5.4	7.7	9.0	5.1	1.4
1985	7.8	8.7	9.4	9.5	6.5	7.9	9.3	8.4	6.0	1.4
1986	8.0	8.7	9.4	9.7	6.5	7.9	9.5	8.7	6.1	1.4
1987	8.5	8.3	9.3	9.7	6.5	7.9	9.6	8.7	6.2	1.5
1988	8.3	8.3	9.7	10.0	6.6	8.2	9.7	8.8	6.1	1.5
1989	8.6	9.2	9.8	10.0	6.6	8.4	10.0	9.1	6.3	1.6
1990	8.6	9.6	9.6	10.0	7.2	8.5	10.1	9.3	7.1	1.9
1991	9.0	9.6	9.6	10.0	7.2	8.5	10.1	9.3	7.1	1.9
1992	9.0	9.6	9.6	10.0	7.2	8.5	10.1	9.3	7.1	1.9
1993	9.1	9.6	9.6	10.0	7.2	8.5	10.1	9.3	7.1	1.9
1994	9.6	9.6	9.6	10.1	7.5	8.6	10.1	9.5	7.3	2.7
1995	9.6	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
1996	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
1997	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
1998	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
1999	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
2000	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
2001	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
2002	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
2003	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
2004	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
2005	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
2006	9.8	9.6	9.6	10.0	7.5	8.6	10.1	9.5	7.3	2.7
2007	9.8	9								