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Average Federal Tax Rates for Nonelderly Childless Households,
by Comprehensive Household Income Quintile, 1979-2017

Year	Lowest Quintile	Second Quintile	Middle 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	12.3	16.7	20.3	22.9	24.6	24.6	26.3	27.6	24.9	24.9
1980	11.6	16.7	20.5	23.1	27.7	24.8	26.8	26.3	26.3	26.3
1981	12.2	17.2	21.2	23.9	25.1	26.5	27.4	28.5	30.4	30.4
1982	11.5	16.3	20.3	23.4	25.4	23.3	25.3	27.3	27.3	27.3
1983	13.1	16.0	19.2	21.9	24.6	22.7	23.6	24.4	24.5	26.8
1984	12.3	15.5	19.3	21.3	24.5	22.6	23.3	24.3	23.1	23.1
1985	14.0	17.3	20.3	22.4	24.7	23.1	23.8	24.6	24.6	26.1
1986	13.8	16.9	20.3	22.6	24.5	24.0	24.9	24.8	24.5	24.8
1987	14.6	17.6	20.3	23.1	25.0	24.0	24.5	25.1	25.0	25.0
1988	14.4	17.5	20.2	22.6	26.1	24.1	24.4	25.5	26.1	26.7
1989	14.5	17.5	20.4	22.8	25.8	24.8	24.5	25.1	25.0	25.3
1990	14.8	17.4	20.6	22.6	25.8	24.0	24.3	25.5	25.9	27.8
1991	14.7	16.5	20.1	22.1	26.2	24.1	24.1	25.2	26.4	29.8
1992	14.2	16.0	20.1	22.1	26.2	24.1	23.1	25.0	25.3	25.3
1993	13.1	16.6	20.3	22.4	27.7	24.9	34.4	35.8	37.2	34.7
1994	13.1	16.3	20.4	22.6	28.0	25.1	24.3	27.7	29.4	34.3
1995	12.3	16.8	20.5	22.7	28.2	25.3	34.5	36.3	37.8	35.0
1996	12.4	16.2	20.7	22.7	28.0	25.1	34.8	36.3	37.9	32.8
1997	11.9	16.5	20.5	22.7	28.3	25.3	34.9	36.6	37.3	33.0
1998	12.2	16.5	20.5	22.7	28.3	25.3	34.9	36.6	37.3	33.0
1999	12.5	16.5	20.5	22.7	28.3	25.3	34.9	36.6	37.3	33.0
2000	12.2	16.5	20.5	22.7	28.3	25.3	34.9	36.6	37.3	33.0
2001	11.3	14.5	18.6	21.3	23.9	23.9	23.7	25.6	27.2	22.3
2002	11.5	14.7	18.6	21.3	23.9	23.9	23.5	25.4	27.2	22.3
2003	10.8	13.5	17.5	20.3	22.2	22.2	23.8	25.3	30.4	29.3
2004	12.4	14.0	17.9	20.5	25.8	22.9	22.4	24.0	25.9	30.4
2005	11.2	14.0	17.9	20.5	25.8	22.9	22.4	24.1	25.9	30.3
2006	11.8	14.3	18.1	20.3	25.8	22.9	22.4	24.1	25.9	30.3
2007	11.0	13.8	17.9	20.4	25.2	22.3	22.4	23.9	26.6	28.6
2008	7.7	10.8	15.3	18.4	24.2	20.7	20.8	22.9	24.9	29.5
2009	7.8	10.2	14.9	18.4	24.4	20.6	21.1	22.9	25.1	29.5
2010	7.4	10.2	14.9	18.4	24.4	20.6	21.1	22.9	25.1	29.5
2011	5.0	6.5	10.3	15.3	20.5	22.7	22.7	24.4	26.4	29.3
2012	8.4	10.7	15.3	18.5	24.3	20.9	20.7	22.7	25.0	28.9
2013	5.0	6.5	10.3	15.3	20.5	22.7	22.7	24.4	26.4	29.3
2014	8.9	12.1	17.1	20.5	26.9	23.1	22.9	24.9	27.0	33.4
2015	5.1	6.5	10.3	15.3	20.5	22.7	22.7	24.4	26.4	29.3
2016	7.9	12.5	17.1	20.7	26.8	22.9	23.0	24.9	26.9	32.9
2017	7.5	12.3	17.3	20.5	26.6	22.9	23.2	24.8	27.0	32.0
Average Individual Income Tax Rate (percent)										
1979	4.8	14.5	20.3	22.9	24.6	24.6	24.8	24.8	24.8	24.8
1980	5.1	5.7	11.3	17.1	19.1	14.1	15.7	16.1	18.8	22.1
1981	5.7	5.0	11.7	17.1	19.3	14.1	15.7	16.1	18.8	22.1
1982	5.3	5.1	10.8	15.4	19.3	13.8	14.4	15.4	17.0	21.5
1983	4.5	4.6	7.4	9.8	14.3	11.6	11.7	13.1	14.9	19.8
1984	4.5	4.6	7.4	9.8	14.3	11.6	11.7	13.1	14.9	19.8
1985	4.5	4.6	7.6	9.8	14.3	11.6	11.7	13.1	14.9	19.8
1986	4.2	4.3	7.5	9.8	14.3	11.7	11.7	13.2	14.9	19.8
1987	0.4	4.0	7.0	8.9	14.9	11.8	11.0	13.0	15.9	22.5
1988	0.2	4.1	6.9	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1989	0.1	4.1	6.9	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1990	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1991	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1992	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1993	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1994	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1995	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1996	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1997	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1998	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
1999	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2000	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2001	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2002	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2003	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2004	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2005	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2006	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2007	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2008	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2009	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2010	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2011	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2012	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2013	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2014	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2015	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2016	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
2017	0.1	4.1	7.0	8.9	14.9	11.9	11.1	13.0	15.9	22.5
Average Payroll Tax Rate (percent)										
1979	7.0	8.6	9.1	9.3	9.7	8.0	8.2	8.6	1.3	1.3
1980	6.8	8.5	9.1	9.3	9.8	7.7	9.0	8.2	5.9	1.4
1981	5.1	9.1	9.6	10.1	7.5	8.4	9.7	9.1	9.6	1.7
1982	7.5	9.1	9.6	10.2	7.8	8.5	9.7	9.1	9.6	2.0
1983	7.9	9.5	9.6	10.1	7.7	8.6	10.0	9.4	7.2	2.9
1984	7.9	9.5	9.6	10.1	7.7	8.6	10.0	9.4	7.2	2.9
1985	8.4	9.5	9.6	10.7	7.9	8.6	10.0	9.4	7.2	2.9
1986	8.5	9.5	9.6	10.7	7.9	8.6	10.0	9.4	7.2	2.9
1987	8.5	9.6	9.6	10.8	8.1	8.6	10.8	10.0	7.6	2.0
1988	8.5	9.6	9.6	10.8	8.1	8.6	10.8	10.0	7.6	2.0
1989	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1990	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1991	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1992	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1993	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1994	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1995	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1996	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1997	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1998	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
1999	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
2000	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
2001	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
2002	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
2003	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
2004	9.7	10.8	11.2	12.0	9.3	9.7	11.2	10.6	8.0	3.0
2005	9.7	10.8	11.2	12.0	9.3	9.7	11.2			