

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2011 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
<b>Lowest Quintile</b>	45,530	27.9	11,810	220	11,590	1.9	4.5	5.3	0.5
<b>Second Quintile</b>	35,070	21.5	30,450	1,870	28,580	6.2	8.9	10.0	3.3
<b>Middle Quintile</b>	31,500	19.3	54,900	6,290	48,610	11.5	14.4	15.3	9.8
<b>Fourth Quintile</b>	27,010	16.5	94,620	14,520	80,100	15.3	21.3	21.6	19.4
<b>Top Quintile</b>	22,710	13.9	270,700	59,290	211,410	21.9	51.1	48.0	66.7
<b>All</b>	163,330	100.0	73,640	12,360	61,280	16.8	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	11,640	7.1	149,740	26,780	122,960	17.9	14.5	14.3	15.4
<b>90-95</b>	5,650	3.5	213,210	42,250	170,960	19.8	10.0	9.7	11.8
<b>95-99</b>	4,350	2.7	352,000	79,840	272,160	22.7	12.7	11.8	17.2
<b>Top 1 Percent</b>	1,070	0.7	1,559,650	419,490	1,140,160	26.9	13.9	12.2	22.2
<b>Top 0.1 Percent</b>	110	0.1	7,022,830	1,903,000	5,119,830	27.1	6.4	5.6	10.3

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 4.5

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$22,500; 40% \$44,200; 60% \$76,400; 80% \$134,000; 90% \$194,700; 95% \$275,100; 99% \$615,200; 99.9% \$2,450,600.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2012 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After-Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre-	Share of	Share of
	Number	Percent of					Tax Income	Post-Tax	Federal
	(thousands)	Total					Percent of	Income	Taxes
							Total	Percent of	Percent of
<b>Lowest Quintile</b>	46,620	28.2	11,940	250	11,690	2.1	4.3	5.1	0.5
<b>Second Quintile</b>	35,710	21.6	31,130	1,910	29,220	6.1	8.6	9.7	3.0
<b>Middle Quintile</b>	31,790	19.2	56,470	6,520	49,960	11.5	13.8	14.8	9.2
<b>Fourth Quintile</b>	27,120	16.4	97,710	15,050	82,660	15.4	20.4	20.9	18.2
<b>Top Quintile</b>	22,840	13.8	301,110	67,630	233,480	22.5	53.0	49.7	68.9
<b>All</b>	165,330	100.0	78,450	13,570	64,870	17.3	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	11,690	7.1	156,880	28,430	128,450	18.1	14.1	14.0	14.8
<b>90-95</b>	5,690	3.4	224,970	45,310	179,670	20.1	9.9	9.5	11.5
<b>95-99</b>	4,370	2.6	380,270	88,490	291,780	23.3	12.8	11.9	17.2
<b>Top 1 Percent</b>	1,100	0.7	1,920,100	518,770	1,401,330	27.0	16.2	14.3	25.3
<b>Top 0.1 Percent</b>	110	0.1	9,129,110	2,455,720	6,673,390	26.9	8.0	7.0	12.4

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 4.6

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$22,400; 40% \$44,500; 60% \$77,100; 80% \$136,400; 90% \$201,200; 95% \$285,800; 99% \$669,700; 99.9% \$2,926,700.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2013 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
<b>Lowest Quintile</b>	46,970	28.1	12,320	350	11,960	2.9	4.4	5.3	0.7
<b>Second Quintile</b>	36,280	21.7	31,900	2,380	29,520	7.5	8.8	10.1	3.5
<b>Middle Quintile</b>	32,290	19.3	57,830	7,460	50,370	12.9	14.3	15.3	9.7
<b>Fourth Quintile</b>	27,450	16.4	100,160	16,920	83,240	16.9	21.0	21.6	18.6
<b>Top Quintile</b>	23,150	13.8	292,190	72,520	219,670	24.8	51.7	48.0	67.4
<b>All</b>	167,400	100.0	78,220	14,890	63,330	19.0	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	11,860	7.1	160,060	31,540	128,510	19.7	14.5	14.4	15.0
<b>90-95</b>	5,760	3.4	229,310	49,630	179,680	21.6	10.1	9.8	11.5
<b>95-99</b>	4,420	2.6	383,610	95,000	288,610	24.8	13.0	12.0	16.9
<b>Top 1 Percent</b>	1,110	0.7	1,667,470	539,950	1,127,520	32.4	14.1	11.8	24.0
<b>Top 0.1 Percent</b>	110	0.1	7,243,880	2,482,720	4,761,160	34.3	6.3	5.1	11.3

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 4.2

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$22,700; 40% \$45,000; 60% \$77,900; 80% \$137,400; 90% \$202,000; 95% \$286,900; 99% \$652,300; 99.9% \$2,566,100.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2014 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
<b>Lowest Quintile</b>	47,190	27.9	12,770	390	12,380	3.0	4.3	5.2	0.7
<b>Second Quintile</b>	36,800	21.7	32,840	2,550	30,290	7.8	8.7	10.0	3.5
<b>Middle Quintile</b>	32,790	19.4	59,390	7,820	51,570	13.2	14.0	15.2	9.4
<b>Fourth Quintile</b>	27,900	16.5	102,460	17,550	84,910	17.1	20.6	21.2	18.0
<b>Top Quintile</b>	23,420	13.8	311,100	79,380	231,720	25.5	52.5	48.6	68.3
<b>All</b>	169,370	100.0	81,950	16,080	65,880	19.6	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	12,050	7.1	162,950	32,500	130,450	19.9	14.2	14.1	14.4
<b>90-95</b>	5,810	3.4	233,800	51,170	182,630	21.9	9.8	9.5	10.9
<b>95-99</b>	4,430	2.6	394,110	99,480	294,630	25.2	12.6	11.7	16.2
<b>Top 1 Percent</b>	1,130	0.7	1,961,920	645,170	1,316,750	32.9	16.0	13.4	26.8
<b>Top 0.1 Percent</b>	110	0.1	8,845,450	3,044,770	5,800,680	34.4	7.3	6.0	12.8

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 4.4

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$23,100; 40% \$45,500; 60% \$78,700; 80% \$138,300; 90% \$201,900; 95% \$288,000; 99% \$678,400; 99.9% \$3,269,600.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2015 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	
<b>Lowest Quintile</b>	47,570	27.8	13,260	400	12,860	3.0	4.4	5.3	0.7
<b>Second Quintile</b>	37,420	21.8	33,840	2,690	31,160	7.9	8.8	10.1	3.5
<b>Middle Quintile</b>	33,190	19.4	61,180	8,160	53,020	13.3	14.1	15.2	9.5
<b>Fourth Quintile</b>	28,270	16.5	105,190	18,190	87,000	17.3	20.6	21.3	18.0
<b>Top Quintile</b>	23,640	13.8	319,470	82,310	237,170	25.8	52.3	48.4	68.1
<b>All</b>	171,370	100.0	84,200	16,660	67,540	19.8	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	12,190	7.1	165,910	33,260	132,650	20.1	14.0	14.0	14.2
<b>90-95</b>	5,840	3.4	237,380	52,130	185,240	22.0	9.6	9.3	10.7
<b>95-99</b>	4,470	2.6	396,330	100,150	296,180	25.3	12.3	11.4	15.7
<b>Top 1 Percent</b>	1,150	0.7	2,070,080	687,660	1,382,420	33.2	16.5	13.7	27.6
<b>Top 0.1 Percent</b>	120	0.1	9,605,160	3,340,780	6,264,390	34.8	7.6	6.2	13.4

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 4.4

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$23,800; 40% \$46,800; 60% \$81,000; 80% \$140,900; 90% \$204,900; 95% \$291,000; 99% \$688,900; 99.9% \$3,438,600.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2016 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
Lowest Quintile	48,030	27.7	13,910	490	13,420	3.5	4.5	5.4	0.8
Second Quintile	38,040	21.9	35,050	2,880	32,160	8.2	8.9	10.2	3.7
Middle Quintile	33,680	19.4	63,040	8,460	54,580	13.4	14.1	15.3	9.6
Fourth Quintile	28,580	16.5	107,980	18,640	89,340	17.3	20.5	21.2	17.9
Top Quintile	23,850	13.8	328,790	84,590	244,190	25.7	52.2	48.3	67.9
All	173,400	100.0	86,670	17,150	69,510	19.8	100.0	100.0	100.0
<b>Addendum</b>									
80-90	12,350	7.1	169,640	33,990	135,650	20.0	13.9	13.9	14.1
90-95	5,880	3.4	242,220	53,100	189,120	21.9	9.5	9.2	10.5
95-99	4,480	2.6	403,150	101,550	301,600	25.2	12.0	11.2	15.3
Top 1 Percent	1,140	0.7	2,214,130	730,990	1,483,140	33.0	16.7	14.0	27.9
Top 0.1 Percent	120	0.1	10,399,270	3,557,180	6,842,080	34.2	8.0	6.6	13.9

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 4.7

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$24,400; 40% \$47,700; 60% \$82,300; 80% \$142,200; 90% \$206,800; 95% \$291,700; 99% \$693,500; 99.9% \$3,646,300.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2017 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
<b>Lowest Quintile</b>	48,340	27.7	14,430	540	13,900	3.7	4.4	5.4	0.8
<b>Second Quintile</b>	38,630	22.1	36,300	3,040	33,260	8.4	8.9	10.2	3.7
<b>Middle Quintile</b>	33,890	19.4	65,510	8,920	56,600	13.6	14.1	15.3	9.6
<b>Fourth Quintile</b>	28,660	16.4	111,590	19,360	92,230	17.4	20.4	21.1	17.6
<b>Top Quintile</b>	23,960	13.7	342,890	89,510	253,380	26.1	52.3	48.4	68.1
<b>All</b>	174,680	100.0	89,920	18,040	71,880	20.1	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	12,390	7.1	174,830	35,340	139,490	20.2	13.8	13.8	13.9
<b>90-95</b>	5,910	3.4	249,700	55,340	194,360	22.2	9.4	9.1	10.4
<b>95-99</b>	4,530	2.6	413,100	105,150	307,950	25.5	11.9	11.1	15.1
<b>Top 1 Percent</b>	1,130	0.7	2,385,290	797,410	1,587,880	33.4	17.2	14.3	28.7
<b>Top 0.1 Percent</b>	120	0.1	11,429,560	3,942,140	7,487,430	34.5	8.5	7.0	14.6

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 4.8

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$24,800; 40% \$48,400; 60% \$83,300; 80% \$143,100; 90% \$208,800; 95% \$292,100; 99% \$699,000; 99.9% \$3,749,600.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2018 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
<b>Lowest Quintile</b>	48,540	27.6	14,710	610	14,100	4.1	4.4	5.3	0.9
<b>Second Quintile</b>	38,750	22.0	36,770	3,210	33,560	8.7	8.7	10.0	3.8
<b>Middle Quintile</b>	34,580	19.7	67,280	9,410	57,880	14.0	14.3	15.4	9.9
<b>Fourth Quintile</b>	28,900	16.4	115,580	20,130	95,450	17.4	20.5	21.2	17.6
<b>Top Quintile</b>	24,010	13.6	355,810	92,920	262,890	26.1	52.4	48.5	67.7
<b>All</b>	175,990	100.0	92,730	18,740	73,990	20.2	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	12,390	7.0	180,690	36,520	144,170	20.2	13.7	13.7	13.7
<b>90-95</b>	5,930	3.4	257,660	57,040	200,620	22.1	9.4	9.1	10.3
<b>95-99</b>	4,550	2.6	425,210	108,230	316,980	25.5	11.9	11.1	14.9
<b>Top 1 Percent</b>	1,140	0.7	2,490,970	830,900	1,660,070	33.4	17.4	14.5	28.7
<b>Top 0.1 Percent</b>	120	0.1	11,992,960	4,113,250	7,879,710	34.3	8.6	7.1	14.6

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 4.9

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$24,600; 40% \$47,900; 60% \$84,100; 80% \$144,600; 90% \$210,700; 95% \$293,400; 99% \$707,200; 99.9% \$3,812,300.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.



**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2019 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
Lowest Quintile	48,610	27.4	15,320	630	14,690	4.1	4.4	5.3	0.9
Second Quintile	39,180	22.1	38,100	3,310	34,800	8.7	8.8	10.0	3.8
Middle Quintile	34,900	19.7	69,620	9,660	59,970	13.9	14.3	15.4	9.9
Fourth Quintile	29,170	16.5	119,100	20,580	98,520	17.3	20.4	21.2	17.6
Top Quintile	24,250	13.7	366,700	95,430	271,270	26.0	52.3	48.4	67.7
All	177,310	100.0	95,880	19,270	76,610	20.1	100.0	100.0	100.0
<b>Addendum</b>									
80-90	12,470	7.0	185,730	37,230	148,500	20.1	13.6	13.6	13.6
90-95	6,040	3.4	265,110	58,500	206,610	22.1	9.4	9.2	10.3
95-99	4,580	2.6	438,120	110,930	327,190	25.3	11.8	11.0	14.9
Top 1 Percent	1,160	0.7	2,568,370	855,390	1,712,970	33.3	17.5	14.6	28.9
Top 0.1 Percent	120	0.1	12,307,380	4,218,530	8,088,850	34.3	8.6	7.1	14.6

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 5.0

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$25,000; 40% \$48,400; 60% \$84,800; 80% \$145,300; 90% \$211,900; 95% \$294,300; 99% \$707,900; 99.9% \$3,899,600.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2020 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
<b>Lowest Quintile</b>	48,800	27.3	15,950	680	15,270	4.2	4.4	5.3	0.9
<b>Second Quintile</b>	39,660	22.2	39,530	3,470	36,060	8.8	8.8	10.1	3.8
<b>Middle Quintile</b>	35,200	19.7	72,130	10,110	62,020	14.0	14.3	15.4	9.9
<b>Fourth Quintile</b>	29,330	16.4	122,790	21,290	101,500	17.3	20.3	21.0	17.4
<b>Top Quintile</b>	24,450	13.7	380,150	99,710	280,440	26.2	52.4	48.5	67.8
<b>All</b>	178,660	100.0	99,340	20,120	79,220	20.3	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	12,610	7.1	191,840	38,670	153,170	20.2	13.6	13.7	13.6
<b>90-95</b>	6,060	3.4	274,470	61,020	213,450	22.2	9.4	9.1	10.3
<b>95-99</b>	4,620	2.6	455,670	116,160	339,510	25.5	11.9	11.1	14.9
<b>Top 1 Percent</b>	1,160	0.7	2,671,640	897,470	1,774,170	33.6	17.5	14.6	29.1
<b>Top 0.1 Percent</b>	120	0.1	12,755,180	4,420,230	8,334,950	34.7	8.6	7.0	14.7

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 5.2

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$25,300; 40% \$49,200; 60% \$85,600; 80% \$146,100; 90% \$214,000; 95% \$297,700; 99% \$713,500; 99.9% \$3,975,700.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2021 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
Lowest Quintile	48,990	27.2	16,600	700	15,900	4.2	4.4	5.3	0.9
Second Quintile	40,100	22.3	40,970	3,560	37,410	8.7	8.9	10.2	3.8
Middle Quintile	35,550	19.8	74,700	10,440	64,260	14.0	14.4	15.5	10.0
Fourth Quintile	29,530	16.4	126,770	21,850	104,920	17.2	20.3	21.0	17.4
Top Quintile	24,620	13.7	392,070	102,280	289,790	26.1	52.3	48.4	67.7
<b>All</b>	<b>180,020</b>	<b>100.0</b>	<b>102,620</b>	<b>20,650</b>	<b>81,970</b>	<b>20.1</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Addendum</b>									
<b>80-90</b>	12,750	7.1	198,180	39,750	158,430	20.1	13.7	13.7	13.6
<b>90-95</b>	6,070	3.4	282,780	62,520	220,260	22.1	9.3	9.1	10.2
<b>95-99</b>	4,640	2.6	472,500	120,210	352,290	25.4	11.9	11.1	15.0
<b>Top 1 Percent</b>	1,160	0.7	2,764,390	922,720	1,841,670	33.4	17.4	14.5	28.9
<b>Top 0.1 Percent</b>	120	0.1	13,055,460	4,478,790	8,576,670	34.3	8.5	7.0	14.4

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 5.3

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$25,600; 40% \$49,800; 60% \$86,300; 80% \$147,100; 90% \$215,800; 95% \$299,500; 99% \$724,200; 99.9% \$4,045,700.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2022 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	
Lowest Quintile	49,140	27.1	17,330	740	16,590	4.3	4.4	5.3	0.9
Second Quintile	40,550	22.4	42,580	3,710	38,880	8.7	9.0	10.2	3.9
Middle Quintile	35,940	19.8	77,370	10,860	66,510	14.0	14.4	15.5	10.1
Fourth Quintile	29,740	16.4	130,920	22,550	108,370	17.2	20.2	20.9	17.3
Top Quintile	24,780	13.7	405,850	105,990	299,870	26.1	52.2	48.3	67.7
<b>All</b>	<b>181,400</b>	<b>100.0</b>	<b>106,260</b>	<b>21,390</b>	<b>84,870</b>	<b>20.1</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Addendum</b>									
<b>80-90</b>	12,870	7.1	204,850	41,100	163,750	20.1	13.7	13.7	13.6
<b>90-95</b>	6,080	3.4	291,300	64,270	227,030	22.1	9.2	9.0	10.1
<b>95-99</b>	4,670	2.6	488,200	124,280	363,920	25.5	11.8	11.0	15.0
<b>Top 1 Percent</b>	1,170	0.6	2,883,780	963,560	1,920,210	33.4	17.5	14.6	29.0
<b>Top 0.1 Percent</b>	120	0.1	13,387,830	4,588,400	8,799,440	34.3	8.4	6.9	14.3

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 5.4

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$26,000; 40% \$50,600; 60% \$87,200; 80% \$148,200; 90% \$217,800; 95% \$300,900; 99% \$735,900; 99.9% \$4,220,100.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2023 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
<b>Lowest Quintile</b>	49,340	27.0	17,910	760	17,150	4.3	4.4	5.3	0.9
<b>Second Quintile</b>	41,040	22.5	44,030	3,840	40,190	8.7	9.0	10.3	3.9
<b>Middle Quintile</b>	36,220	19.8	79,610	11,180	68,430	14.0	14.4	15.5	10.0
<b>Fourth Quintile</b>	30,020	16.4	134,440	23,070	111,370	17.2	20.1	20.9	17.1
<b>Top Quintile</b>	24,940	13.6	421,540	110,330	311,210	26.2	52.3	48.4	67.9
<b>All</b>	182,800	100.0	109,870	22,160	87,710	20.2	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	12,940	7.1	210,990	42,290	168,710	20.0	13.6	13.6	13.5
<b>90-95</b>	6,130	3.4	299,140	65,970	233,170	22.1	9.1	8.9	10.0
<b>95-99</b>	4,690	2.6	501,310	127,560	373,750	25.5	11.7	10.9	14.8
<b>Top 1 Percent</b>	1,180	0.6	3,060,380	1,022,240	2,038,140	33.4	17.9	14.9	29.7
<b>Top 0.1 Percent</b>	120	0.1	14,308,940	4,888,120	9,420,820	34.2	8.7	7.2	14.8

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 5.5

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$26,200; 40% \$51,100; 60% \$87,600; 80% \$148,600; 90% \$219,000; 95% \$300,700; 99% \$742,700; 99.9% \$4,392,100.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2024 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
<b>Lowest Quintile</b>	49,500	26.9	18,560	790	17,770	4.3	4.4	5.3	0.9
<b>Second Quintile</b>	41,470	22.5	45,610	4,000	41,610	8.8	9.0	10.3	3.9
<b>Middle Quintile</b>	36,650	19.9	82,190	11,560	70,630	14.1	14.4	15.5	10.0
<b>Fourth Quintile</b>	30,270	16.4	138,400	23,750	114,650	17.2	20.0	20.8	17.0
<b>Top Quintile</b>	25,090	13.6	437,150	114,790	322,360	26.3	52.4	48.4	68.0
<b>All</b>	184,220	100.0	113,670	22,990	90,680	20.2	100.0	100.0	100.0
<b>Addendum</b>									
<b>80-90</b>	13,050	7.1	216,870	43,420	173,450	20.0	13.5	13.6	13.4
<b>90-95</b>	6,140	3.3	306,630	67,330	239,300	22.0	9.0	8.8	9.8
<b>95-99</b>	4,710	2.6	515,630	131,440	384,200	25.5	11.6	10.8	14.6
<b>Top 1 Percent</b>	1,190	0.6	3,221,290	1,078,350	2,142,950	33.5	18.3	15.2	30.3
<b>Top 0.1 Percent</b>	120	0.1	15,104,590	5,156,810	9,947,780	34.1	8.9	7.3	15.0

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 5.5

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$26,500; 40% \$51,500; 60% \$88,400; 80% \$149,100; 90% \$219,500; 95% \$299,700; 99% \$755,100; 99.9% \$4,643,600.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2025 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
Lowest Quintile	49,720	26.8	19,320	830	18,490	4.3	4.4	5.3	0.9
Second Quintile	41,880	22.6	47,420	4,190	43,230	8.8	9.1	10.4	4.0
Middle Quintile	37,070	20.0	85,140	11,960	73,170	14.1	14.5	15.6	10.0
Fourth Quintile	30,480	16.4	142,660	24,530	118,130	17.2	19.9	20.7	16.9
Top Quintile	25,270	13.6	452,510	119,070	333,440	26.3	52.4	48.4	68.0
<b>All</b>	<b>185,660</b>	<b>100.0</b>	<b>117,650</b>	<b>23,820</b>	<b>93,830</b>	<b>20.3</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Addendum</b>									
<b>80-90</b>	13,170	7.1	222,960	44,650	178,310	20.0	13.5	13.5	13.3
<b>90-95</b>	6,150	3.3	313,580	68,660	244,920	21.9	8.8	8.7	9.6
<b>95-99</b>	4,750	2.6	530,690	135,230	395,460	25.5	11.5	10.8	14.5
<b>Top 1 Percent</b>	1,190	0.6	3,388,670	1,135,210	2,253,470	33.5	18.5	15.5	30.7
<b>Top 0.1 Percent</b>	130	0.1	15,783,820	5,383,040	10,400,780	34.1	9.1	7.5	15.2

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 5.5

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$26,900; 40% \$52,300; 60% \$89,300; 80% \$149,900; 90% \$219,700; 95% \$299,500; 99% \$774,300; 99.9% \$4,760,500.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.

**Table T16-0072**  
**Baseline Distribution of Income and Federal Taxes**  
**by Expanded Cash Income Percentile, 2026 <sup>1</sup>**

Expanded Cash Income Percentile <sup>2,3</sup>	Tax Units		Average Income (Dollars)	Average Federal Tax Burden (Dollars)	Average After- Tax Income <sup>4</sup> (Dollars)	Average Federal Tax Rate <sup>5</sup>	Share of Pre- Tax Income	Share of Post-Tax Income	Share of Federal Taxes
	Number (thousands)	Percent of Total					Percent of Total	Percent of Total	Percent of Total
Lowest Quintile	50,010	26.7	20,060	880	19,180	4.4	4.4	5.3	1.0
Second Quintile	42,320	22.6	49,240	4,400	44,840	8.9	9.2	10.5	4.0
Middle Quintile	37,420	20.0	87,970	12,370	75,600	14.1	14.5	15.6	10.0
Fourth Quintile	30,700	16.4	146,790	25,200	121,590	17.2	19.8	20.6	16.7
Top Quintile	25,440	13.6	469,330	123,930	345,400	26.4	52.4	48.4	68.2
All	187,120	100.0	121,720	24,720	97,000	20.3	100.0	100.0	100.0
<b>Addendum</b>									
80-90	13,240	7.1	229,990	46,150	183,840	20.1	13.4	13.4	13.2
90-95	6,170	3.3	321,350	70,510	250,840	21.9	8.7	8.5	9.4
95-99	4,820	2.6	543,390	138,270	405,120	25.5	11.5	10.8	14.4
Top 1 Percent	1,210	0.6	3,561,500	1,195,110	2,366,400	33.6	18.8	15.7	31.1
Top 0.1 Percent	130	0.1	16,605,890	5,651,700	10,954,190	34.0	9.2	7.6	15.4

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0516-1).

Number of AMT Taxpayers (millions): 5.6

\* Less than 0.05

(1) Calendar year. Baseline is current law. For a description of current law, see:

<http://www.taxpolicycenter.org/taxtopics/Baseline-Definitions.cfm>

(2) Includes both filing and non-filing units but excludes those that are dependents of other tax units. Tax units with negative adjusted gross income are excluded from their respective income class but are included in the totals. For a description of expanded cash income, see

<http://www.taxpolicycenter.org/TaxModel/income.cfm>

(3) The income percentile classes used in this table are based on the income distribution for the entire population and contain an equal number of people, not tax units. The breaks are (in 2016 dollars): 20% \$27,200; 40% \$53,000; 60% \$90,100; 80% \$150,800; 90% \$220,800; 95% \$300,500; 99% \$795,600; 99.9% \$4,919,600.

(4) After-tax income is expanded cash income less: individual income tax net of refundable credits; corporate income tax; payroll taxes (Social Security and Medicare); estate tax; and excise taxes.

(5) Average federal tax (includes individual and corporate income tax, payroll taxes for Social Security and Medicare, the estate tax, and excise taxes) as a percentage of average expanded cash income.