## Table T22-0258 Tax Benefit of Education Tax Credits

#### **Baseline: Current Law**

### Distribution of Federal Tax Change by Expanded Cash Income Percentile, 2022 <sup>1</sup> Detail Table

| Expanded Cash Income      | Percent of 1 | Γax Units <sup>4</sup> | Benefit as a                                 | Share of Total | Aver    | age Benefit                            | Share of Fede  | eral Taxes           | Average Fede      | eral Tax Rate <sup>7</sup> |
|---------------------------|--------------|------------------------|----------------------------------------------|----------------|---------|----------------------------------------|----------------|----------------------|-------------------|----------------------------|
| Percentile <sup>2,3</sup> | With Benefit | Without<br>Benefit     | Percent of After-<br>Tax Income <sup>5</sup> | Benefit        | Dollars | Percent of Federal  Taxes <sup>6</sup> | With Provision | Without<br>Provision | With<br>Provision | Without<br>Provision       |
| Lowest Quintile           | 4.6          | 95.4                   | 0.3                                          | 13.6           | 40      | 6.7                                    | 0.7            | 0.8                  | 3.6               | 3.8                        |
| Second Quintile           | 6.2          | 93.8                   | 0.2                                          | 22.0           | 80      | 2.1                                    | 3.7            | 3.7                  | 9.0               | 9.1                        |
| Middle Quintile           | 6.1          | 93.9                   | 0.2                                          | 25.1           | 100     | 0.9                                    | 10.0           | 10.1                 | 14.3              | 14.4                       |
| Fourth Quintile           | 6.9          | 93.1                   | 0.1                                          | 27.1           | 130     | 0.5                                    | 18.0           | 18.1                 | 17.9              | 18.0                       |
| Top Quintile              | 4.2          | 95.8                   | 0.0                                          | 12.1           | 70      | 0.1                                    | 67.3           | 67.1                 | 25.4              | 25.4                       |
| All                       | 5.6          | 94.4                   | 0.1                                          | 100.0          | 80      | 0.4                                    | 100.0          | 100.0                | 20.2              | 20.2                       |
| ddendum                   |              |                        |                                              |                |         |                                        |                |                      |                   |                            |
| 80-90                     | 7.5          | 92.5                   | 0.1                                          | 11.3           | 130     | 0.3                                    | 14.4           | 14.4                 | 20.8              | 20.9                       |
| 90-95                     | 1.4          | 98.6                   | 0.0                                          | 0.7            | 20      | 0.0                                    | 11.0           | 11.0                 | 22.8              | 22.8                       |
| 95-99                     | 0.1          | 99.9                   | 0.0                                          | 0.1            | *       | 0.0                                    | 16.2           | 16.2                 | 25.2              | 25.2                       |
| Top 1 Percent             | 0.0          | 100.0                  | 0.0                                          | 0.0            | 0       | 0.0                                    | 25.7           | 25.6                 | 30.9              | 30.9                       |
| Top 0.1 Percent           | 0.0          | 100.0                  | 0.0                                          | 0.0            | 0       | 0.0                                    | 12.8           | 12.7                 | 31.4              | 31.4                       |

### Baseline Distribution of Income and Federal Taxes by Expanded Cash Income Percentile, 2022 <sup>1</sup>

| Expanded Cash Income      | Tax U                 | Jnits               | Pre-Tax In        | come                | Federal Ta        | ax Burden        | After-Tax In      | come <sup>5</sup>   | Average<br>Federal Tax |
|---------------------------|-----------------------|---------------------|-------------------|---------------------|-------------------|------------------|-------------------|---------------------|------------------------|
| Percentile <sup>2,3</sup> | Number<br>(thousands) | Percent of<br>Total | Average (dollars) | Percent of<br>Total | Average (dollars) | Percent of Total | Average (dollars) | Percent of<br>Total | Rate 6                 |
| Lowest Quintile           | 47,560                | 26.3                | 17.250            | 4.0                 | 620               | 0.7              | 16,630            | 4.8                 | 3.6                    |
| Second Quintile           | 39,530                | 21.9                | 43,170            | 8.2                 | 3,870             | 3.7              | 39,310            | 9.4                 | 9.0                    |
| Middle Quintile           | 37,030                | 20.5                | 79,080            | 14.2                | 11,270            | 10.0             | 67,810            | 15.2                | 14.3                   |
| Fourth Quintile           | 30,070                | 16.7                | 139,640           | 20.3                | 25,010            | 18.0             | 114,630           | 20.9                | 17.9                   |
| Top Quintile              | 24,840                | 13.8                | 444,760           | 53.4                | 113,090           | 67.3             | 331,670           | 49.8                | 25.4                   |
| All                       | 180,540               | 100.0               | 114,660           | 100.0               | 23,110            | 100.0            | 91,560            | 100.0               | 20.2                   |
| Addendum                  |                       |                     |                   |                     |                   |                  |                   |                     |                        |
| 80-90                     | 12,710                | 7.0                 | 226,970           | 13.9                | 47,260            | 14.4             | 179,710           | 13.8                | 20.8                   |
| 90-95                     | 6,220                 | 3.4                 | 324,910           | 9.8                 | 74,120            | 11.0             | 250,800           | 9.4                 | 22.8                   |
| 95-99                     | 4,760                 | 2.6                 | 562,700           | 13.0                | 142,010           | 16.2             | 420,690           | 12.1                | 25.2                   |
| Top 1 Percent             | 1,150                 | 0.6                 | 3,021,730         | 16.7                | 934,900           | 25.7             | 2,086,830         | 14.5                | 30.9                   |
| Top 0.1 Percent           | 120                   | 0.1                 | 14,390,660        | 8.2                 | 4,512,860         | 12.8             | 9,877,800         | 7.1                 | 31.4                   |

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0722-2).

Number of AMT Taxpayers (millions). Baseline: 0.2

Proposal: 0.2

(1) Calendar year. Baseline is current law as of December 21, 2022. Table shows the combined tax benefit of the American Opportunity Tax Credit (AOTC) and the Lifetime Learning tax

credit. For more information on TPC's baseline definitions, see

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

(2) Includes both filling and non-filling 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 2022 dollars): 20% \$30,000; 40% \$58,500; 60% \$103,800; 80% \$189,200; 90% \$276,100; 95% \$398,100; 99% \$982,600; 99.9% \$4,439,400.

- (5) 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.
- (6) For income categories for which the baseline tax burden is negative, a negative value for the tax benefit as a percent of federal tax indicates a net increase in federal subsidies, and a positive value indicates a net decrease in federal subsidies.
- (7) 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.

<sup>\*</sup> Non-zero value rounded to zero; \*\* Insufficient data

<sup>(4)</sup> Tax units with benefit are tax units with a net benefit of \$10 or more.

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## Table T22-0258 Tax Benefit of Education Tax Credits

#### Baseline: Current Law

### Distribution of Federal Tax Change by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup> Detail Table

| Expanded Cash Income      | Percent of 1 | ax Units 4         | Benefit as a                                 | Share of Total | Avera   | ge Benefit                               | Share of Fede  | eral Taxes           | Average Federal Tax Rate 7 |                      |
|---------------------------|--------------|--------------------|----------------------------------------------|----------------|---------|------------------------------------------|----------------|----------------------|----------------------------|----------------------|
| Percentile <sup>2,3</sup> | With Benefit | Without<br>Benefit | Percent of After-<br>Tax Income <sup>5</sup> | Benefit        | Dollars | Percent of<br>Federal Taxes <sup>6</sup> | With Provision | Without<br>Provision | With<br>Provision          | Without<br>Provision |
| Lowest Quintile           | 4.5          | 95.5               | 0.2                                          | 10.4           | 40      | 40.9                                     | 0.1            | 0.1                  | 0.6                        | 0.8                  |
| Second Quintile           | 6.4          | 93.7               | 0.2                                          | 19.6           | 80      | 2.6                                      | 2.6            | 2.7                  | 7.6                        | 7.8                  |
| Middle Quintile           | 7.8          | 92.2               | 0.2                                          | 33.3           | 130     | 1.5                                      | 8.1            | 8.1                  | 13.0                       | 13.2                 |
| Fourth Quintile           | 7.1          | 92.9               | 0.1                                          | 30.8           | 130     | 0.6                                      | 17.3           | 17.3                 | 17.5                       | 17.6                 |
| Top Quintile              | 2.0          | 98.0               | 0.0                                          | 5.8            | 30      | 0.0                                      | 71.7           | 71.5                 | 25.2                       | 25.2                 |
| All                       | 5.6          | 94.4               | 0.1                                          | 100.0          | 80      | 0.4                                      | 100.0          | 100.0                | 20.2                       | 20.2                 |
| Addendum                  |              |                    |                                              |                |         |                                          |                |                      |                            |                      |
| 80-90                     | 3.5          | 96.5               | 0.0                                          | 5.4            | 50      | 0.1                                      | 15.5           | 15.5                 | 20.8                       | 20.8                 |
| 90-95                     | 0.6          | 99.4               | 0.0                                          | 0.4            | 10      | 0.0                                      | 12.0           | 11.9                 | 22.5                       | 22.5                 |
| 95-99                     | 0.1          | 99.9               | 0.0                                          | 0.1            | *       | 0.0                                      | 17.5           | 17.5                 | 24.9                       | 24.9                 |
| Top 1 Percent             | 0.0          | 100.0              | 0.0                                          | 0.0            | 0       | 0.0                                      | 26.7           | 26.6                 | 30.8                       | 30.8                 |
| Top 0.1 Percent           | 0.0          | 100.0              | 0.0                                          | 0.0            | 0       | 0.0                                      | 13.3           | 13.3                 | 31.4                       | 31.4                 |

### Baseline Distribution of Income and Federal Taxes by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup>

| Expanded Cash Income      | Tax U                                   | nits                | Pre-Tax In        | come                | Federal Ta        | ax Burden        | After-Tax In      | come <sup>5</sup>   | Average                          |
|---------------------------|-----------------------------------------|---------------------|-------------------|---------------------|-------------------|------------------|-------------------|---------------------|----------------------------------|
| Percentile <sup>2,3</sup> | Number<br>(thousands)                   | Percent of<br>Total | Average (dollars) | Percent of<br>Total | Average (dollars) | Percent of Total | Average (dollars) | Percent of<br>Total | Federal Tax<br>Rate <sup>6</sup> |
| Lowest Quintile           | 39,730                                  | 22.0                | 16,390            | 3.2                 | 90                | 0.1              | 16,290            | 3.9                 | 0.6                              |
| Second Quintile           | 37,050                                  | 20.5                | 38,780            | 6.9                 | 2,940             | 2.6              | 35,840            | 8.0                 | 7.6                              |
| Middle Quintile           | 36,770                                  | 20.4                | 70,430            | 12.5                | 9,130             | 8.1              | 61,290            | 13.6                | 13.0                             |
| Fourth Quintile           | 34,010                                  | 18.8                | 121,490           | 20.0                | 21,200            | 17.3             | 100,290           | 20.6                | 17.5                             |
| Top Quintile              | 31,450                                  | 17.4                | 378,040           | 57.4                | 95,080            | 71.7             | 282,960           | 53.8                | 25.2                             |
| All                       | ####################################### | 100.0               | 114,660           | 100.0               | 23,110            | 100.0            | 91,560            | 100.0               | 20.2                             |
| Addendum                  |                                         |                     |                   |                     |                   |                  |                   |                     |                                  |
| 80-90                     | 16,050                                  | 8.9                 | 193,890           | 15.0                | 40,260            | 15.5             | 153,630           | 14.9                | 20.8                             |
| 90-95                     | 7,920                                   | 4.4                 | 279,920           | 10.7                | 63,000            | 12.0             | 216,920           | 10.4                | 22.5                             |
| 95-99                     | 6,100                                   | 3.4                 | 482,890           | 14.2                | 120,020           | 17.5             | 362,870           | 13.4                | 24.9                             |
| Top 1 Percent             | 1,390                                   | 0.8                 | 2,599,650         | 17.5                | 800,230           | 26.7             | 1,799,420         | 15.2                | 30.8                             |
| Top 0.1 Percent           | 140                                     | 0.1                 | 12,486,470        | 8.6                 | 3,914,250         | 13.3             | 8,572,220         | 7.4                 | 31.4                             |

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0722-2).

Number of AMT Taxpayers (millions). Baseline: 0.2

Proposal: 0.2

\* Non-zero value rounded to zero; \*\* Insufficient data

(1) Calendar year. Baseline is current law as of December 21, 2022. Table shows the combined tax benefit of the American Opportunity Tax Credit (AOTC) and the Lifetime Learning tax

credit. For more information on TPC's baseline definitions, see

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

(2) Includes both filling and non-filling 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 incomes used are adjusted for family size by dividing by the square root of the number of people in the tax unit. The resulting percentile breaks are (in 2022 dollars): 20% \$21,000; 40% \$40,700; 60% \$69,300; 80% \$116,100; 90% \$169,100; 95% \$239,000; 99% \$571.800: 99.9% \$2.557.900.

(4) Tax units with benefit are tax units with a net benefit of \$10 or more.

(5) 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.

(6) For income categories for which the baseline tax burden is negative, a negative value for the tax benefit as a percent of federal tax indicates a net increase in federal subsidies, and a positive value indicates a net decrease in federal subsidies.

(7) 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 T22-0258 Tax Benefit of Education Tax Credits

### **Baseline: Current Law**

### Distribution of Federal Tax Change by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup> Detail Table - Single Tax Units

| Expanded Cash Income      | Percent of 1 | Tax Units 4        | Benefit as a                                 | Share of Total | Aver    | age Benefit                            | Share of Fede  | eral Taxes           | Average Fede      | eral Tax Rate <sup>7</sup> |
|---------------------------|--------------|--------------------|----------------------------------------------|----------------|---------|----------------------------------------|----------------|----------------------|-------------------|----------------------------|
| Percentile <sup>2,3</sup> | With Benefit | Without<br>Benefit | Percent of After-<br>Tax Income <sup>5</sup> | Benefit        | Dollars | Percent of Federal  Taxes <sup>6</sup> | With Provision | Without<br>Provision | With<br>Provision | Without<br>Provision       |
| Lowest Quintile           | 4.7          | 95.3               | 0.3                                          | 18.7           | 40      | 6.8                                    | 1.4            | 1.5                  | 4.3               | 4.6                        |
| Second Quintile           | 6.6          | 93.4               | 0.3                                          | 29.5           | 80      | 2.7                                    | 5.5            | 5.7                  | 9.5               | 9.7                        |
| Middle Quintile           | 6.3          | 93.7               | 0.2                                          | 36.1           | 100     | 1.3                                    | 13.8           | 13.9                 | 14.2              | 14.4                       |
| Fourth Quintile           | 3.5          | 96.5               | 0.1                                          | 14.9           | 60      | 0.3                                    | 23.1           | 23.0                 | 18.7              | 18.8                       |
| Top Quintile              | 0.5          | 99.5               | 0.0                                          | 0.7            | *       | 0.0                                    | 55.9           | 55.6                 | 25.6              | 25.6                       |
| All                       | 4.8          | 95.2               | 0.1                                          | 100.0          | 60      | 0.5                                    | 100.0          | 100.0                | 18.9              | 19.0                       |
| ddendum                   |              |                    |                                              |                |         |                                        |                |                      |                   |                            |
| 80-90                     | 0.9          | 99.2               | 0.0                                          | 0.7            | 10      | 0.0                                    | 15.6           | 15.5                 | 22.0              | 22.0                       |
| 90-95                     | 0.1          | 100.0              | 0.0                                          | 0.0            | 0       | 0.0                                    | 10.0           | 10.0                 | 23.3              | 23.3                       |
| 95-99                     | *            | **                 | 0.0                                          | 0.0            | 0       | 0.0                                    | 13.5           | 13.4                 | 25.6              | 25.6                       |
| Top 1 Percent             | 0.0          | 100.0              | 0.0                                          | 0.0            | 0       | 0.0                                    | 16.9           | 16.8                 | 32.6              | 32.6                       |
| Top 0.1 Percent           | 0.0          | 100.0              | 0.0                                          | 0.0            | 0       | 0.0                                    | 8.4            | 8.3                  | 33.2              | 33.2                       |

### Baseline Distribution of Income and Federal Taxes by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup>

| Expanded Cash Income      | Tax U                 | Inits               | Pre-Tax In        | come                | Federal Ta        | ax Burden        | After-Tax In      | come <sup>5</sup>   | Average                          |
|---------------------------|-----------------------|---------------------|-------------------|---------------------|-------------------|------------------|-------------------|---------------------|----------------------------------|
| Percentile <sup>2,3</sup> | Number<br>(thousands) | Percent of<br>Total | Average (dollars) | Percent of<br>Total | Average (dollars) | Percent of Total | Average (dollars) | Percent of<br>Total | Federal Tax<br>Rate <sup>6</sup> |
| Lowest Quintile           | 25,910                | 28.7                | 13,220            | 6.1                 | 570               | 1.4              | 12,650            | 7.2                 | 4.3                              |
| Second Quintile           | 20,240                | 22.4                | 30,700            | 11.0                | 2,910             | 5.5              | 27,790            | 12.3                | 9.5                              |
| Middle Quintile           | 19,070                | 21.1                | 54,450            | 18.4                | 7,720             | 13.8             | 46,730            | 19.5                | 14.2                             |
| Fourth Quintile           | 14,660                | 16.2                | 89,470            | 23.2                | 16,760            | 23.1             | 72,710            | 23.3                | 18.7                             |
| Top Quintile              | 9,720                 | 10.8                | 239,050           | 41.2                | 61,290            | 55.9             | 177,750           | 37.7                | 25.6                             |
| All                       | 90,420                | 100.0               | 62,430            | 100.0               | 11,780            | 100.0            | 50,650            | 100.0               | 18.9                             |
| Addendum                  |                       |                     |                   |                     |                   |                  |                   |                     |                                  |
| 80-90                     | 5,430                 | 6.0                 | 138,800           | 13.4                | 30,560            | 15.6             | 108,250           | 12.8                | 22.0                             |
| 90-95                     | 2,290                 | 2.5                 | 199,730           | 8.1                 | 46,600            | 10.0             | 153,130           | 7.7                 | 23.3                             |
| 95-99                     | 1,680                 | 1.9                 | 334,350           | 9.9                 | 85,540            | 13.5             | 248,820           | 9.1                 | 25.6                             |
| Top 1 Percent             | 320                   | 0.4                 | 1,712,540         | 9.8                 | 557,760           | 16.9             | 1,154,780         | 8.1                 | 32.6                             |
| Top 0.1 Percent           | 30                    | 0.0                 | 8,364,720         | 4.8                 | 2,776,630         | 8.4              | 5,588,090         | 3.9                 | 33.2                             |

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0722-2).

(1) Calendar year. Baseline is current law as of December 21, 2022. Table shows the combined tax benefit of the American Opportunity Tax Credit (AOTC) and the Lifetime Learning tax

credit. For more information on TPC's baseline definitions, 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 incomes used are adjusted for family size by dividing by the square root of the number of people in the tax unit. The resulting percentile breaks are (in 2022 dollars): 20% \$21,000; 40% \$40,700; 60% \$69,300; 80% \$116,100; 90% \$169,100; 95% \$239,000; 99% \$571,800; 99.9% \$2,557,900.
- (4) Tax units with benefit are tax units with a net benefit of \$10 or more.
- (5) 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.
- (6) For income categories for which the baseline tax burden is negative, a negative value for the tax benefit as a percent of federal tax indicates a net increase in federal subsidies, and a positive value indicates a net decrease in federal subsidies.
- (7) 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.

<sup>\*</sup> Non-zero value rounded to zero; \*\* Insufficient data

# Table T22-0258 Tax Benefit of Education Tax Credits

#### **Baseline: Current Law**

### Distribution of Federal Tax Change by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup> Detail Table - Married Tax Units Filing Jointly

| Expanded Cash Income      | Percent of   | Γax Units <sup>4</sup> | Benefit as a                                 | Share of Total | Aver    | age Benefit                            | Share of Fede  | eral Taxes           | Average Fede      | eral Tax Rate <sup>7</sup> |
|---------------------------|--------------|------------------------|----------------------------------------------|----------------|---------|----------------------------------------|----------------|----------------------|-------------------|----------------------------|
| Percentile <sup>2,3</sup> | With Benefit | Without<br>Benefit     | Percent of After-<br>Tax Income <sup>5</sup> | Benefit        | Dollars | Percent of Federal  Taxes <sup>6</sup> | With Provision | Without<br>Provision | With<br>Provision | Without<br>Provision       |
| Lowest Quintile           | 4.3          | 95.7                   | 0.2                                          | 3.4            | 40      | 13.6                                   | 0.1            | 0.1                  | 1.2               | 1.4                        |
| Second Quintile           | 7.2          | 92.9                   | 0.2                                          | 10.4           | 90      | 2.8                                    | 1.0            | 1.0                  | 6.3               | 6.4                        |
| Middle Quintile           | 9.7          | 90.3                   | 0.2                                          | 28.3           | 170     | 1.6                                    | 4.6            | 4.7                  | 11.8              | 11.9                       |
| Fourth Quintile           | 10.8         | 89.2                   | 0.2                                          | 46.9           | 210     | 0.9                                    | 14.3           | 14.4                 | 16.5              | 16.7                       |
| Top Quintile              | 2.8          | 97.2                   | 0.0                                          | 10.9           | 40      | 0.0                                    | 79.8           | 79.6                 | 24.9              | 25.0                       |
| All                       | 6.8          | 93.2                   | 0.1                                          | 100.0          | 110     | 0.3                                    | 100.0          | 100.0                | 21.4              | 21.5                       |
| ddendum                   |              |                        |                                              |                |         |                                        |                |                      |                   |                            |
| 80-90                     | 5.3          | 94.7                   | 0.0                                          | 10.2           | 80      | 0.2                                    | 15.8           | 15.8                 | 20.2              | 20.3                       |
| 90-95                     | 0.9          | 99.1                   | 0.0                                          | 0.7            | 10      | 0.0                                    | 13.2           | 13.2                 | 22.3              | 22.3                       |
| 95-99                     | 0.1          | 99.9                   | 0.0                                          | 0.1            | *       | 0.0                                    | 20.2           | 20.2                 | 24.6              | 24.6                       |
| Top 1 Percent             | 0.0          | 100.0                  | 0.0                                          | 0.0            | 0       | 0.0                                    | 30.5           | 30.4                 | 30.5              | 30.5                       |
| Top 0.1 Percent           | 0.0          | 100.0                  | 0.0                                          | 0.0            | 0       | 0.0                                    | 14.5           | 14.4                 | 31.1              | 31.1                       |

### Baseline Distribution of Income and Federal Taxes by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup>

| Expanded Cash Income      | Tax U                 | Inits               | Pre-Tax In        | come                | Federal Ta        | ax Burden        | After-Tax In      | come <sup>5</sup>   | Average                          |
|---------------------------|-----------------------|---------------------|-------------------|---------------------|-------------------|------------------|-------------------|---------------------|----------------------------------|
| Percentile <sup>2,3</sup> | Number<br>(thousands) | Percent of<br>Total | Average (dollars) | Percent of<br>Total | Average (dollars) | Percent of Total | Average (dollars) | Percent of<br>Total | Federal Tax<br>Rate <sup>6</sup> |
| Lowest Quintile           | 6,700                 | 10.6                | 22,020            | 1.1                 | 270               | 0.1              | 21,740            | 1.4                 | 1.2                              |
| Second Quintile           | 8,560                 | 13.5                | 50,320            | 3.3                 | 3,160             | 1.0              | 47,170            | 4.0                 | 6.3                              |
| Middle Quintile           | 11,850                | 18.7                | 92,280            | 8.4                 | 10,840            | 4.6              | 81,440            | 9.5                 | 11.8                             |
| Fourth Quintile           | 15,860                | 25.0                | 151,360           | 18.5                | 25,030            | 14.3             | 126,320           | 19.7                | 16.5                             |
| Top Quintile              | 19,920                | 31.4                | 446,180           | 68.6                | 111,280           | 79.8             | 334,910           | 65.6                | 24.9                             |
| All                       | 63,440                | 100.0               | 204,210           | 100.0               | 43,790            | 100.0            | 160,420           | 100.0               | 21.4                             |
| Addendum                  |                       |                     |                   |                     |                   |                  |                   |                     |                                  |
| 80-90                     | 9,570                 | 15.1                | 227,000           | 16.8                | 45,930            | 15.8             | 181,060           | 17.0                | 20.2                             |
| 90-95                     | 5,180                 | 8.2                 | 318,840           | 12.8                | 70,970            | 13.2             | 247,880           | 12.6                | 22.3                             |
| 95-99                     | 4,170                 | 6.6                 | 547,240           | 17.6                | 134,760           | 20.2             | 412,480           | 16.9                | 24.6                             |
| Top 1 Percent             | 1,000                 | 1.6                 | 2,792,340         | 21.5                | 850,680           | 30.5             | 1,941,660         | 19.0                | 30.5                             |
| Top 0.1 Percent           | 100                   | 0.2                 | 13,208,980        | 10.0                | 4,103,810         | 14.5             | 9,105,180         | 8.8                 | 31.1                             |

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0722-2).

(1) Calendar year. Baseline is current law as of December 21, 2022. Table shows the combined tax benefit of the American Opportunity Tax Credit (AOTC) and the Lifetime Learning tax

credit. For more information on TPC's baseline definitions, 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 incomes used are adjusted for family size by dividing by the square root of the number of people in the tax unit. The resulting percentile breaks are (in 2022 dollars): 20% \$21,000; 40% \$40,700; 60% \$69,300; 80% \$116,100; 90% \$169,100; 95% \$239,000; 99% \$571,800; 99.9% \$2,557,900.
- (4) Tax units with benefit are tax units with a net benefit of \$10 or more.
- (5) 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.
- (6) For income categories for which the baseline tax burden is negative, a negative value for the tax benefit as a percent of federal tax indicates a net increase in federal subsidies, and a positive value indicates a net decrease in federal subsidies.
- (7) 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.

<sup>\*</sup> Non-zero value rounded to zero; \*\* Insufficient data

# Table T22-0258 Tax Benefit of Education Tax Credits

#### **Baseline: Current Law**

### Distribution of Federal Tax Change by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup> Detail Table - Head of Household Tax Units

| Expanded Cash Income      | Percent of   | Γax Units <sup>4</sup> | Benefit as a                                 | Share of Total | Aver    | age Benefit                            | Share of Fede  | eral Taxes           | Average Fede      | eral Tax Rate <sup>7</sup> |
|---------------------------|--------------|------------------------|----------------------------------------------|----------------|---------|----------------------------------------|----------------|----------------------|-------------------|----------------------------|
| Percentile <sup>2,3</sup> | With Benefit | Without<br>Benefit     | Percent of After-<br>Tax Income <sup>5</sup> | Benefit        | Dollars | Percent of Federal  Taxes <sup>6</sup> | With Provision | Without<br>Provision | With<br>Provision | Without<br>Provision       |
| Lowest Quintile           | 4.3          | 95.7                   | 0.2                                          | 13.1           | 40      | -1.9                                   | -6.4           | -6.2                 | -8.7              | -8.6                       |
| Second Quintile           | 5.4          | 94.7                   | 0.2                                          | 26.6           | 70      | 2.8                                    | 9.1            | 9.2                  | 5.4               | 5.6                        |
| Middle Quintile           | 10.5         | 89.5                   | 0.3                                          | 43.9           | 180     | 1.7                                    | 23.8           | 23.9                 | 12.6              | 12.8                       |
| Fourth Quintile           | 7.4          | 92.6                   | 0.1                                          | 15.7           | 120     | 0.5                                    | 28.8           | 28.6                 | 18.4              | 18.5                       |
| Top Quintile              | 0.7          | 99.3                   | 0.0                                          | 0.6            | 10      | 0.0                                    | 44.7           | 44.3                 | 25.5              | 25.5                       |
| All                       | 6.2          | 93.9                   | 0.1                                          | 100.0          | 90      | 0.9                                    | 100.0          | 100.0                | 13.1              | 13.3                       |
| ddendum                   |              |                        |                                              |                |         |                                        |                |                      |                   |                            |
| 80-90                     | 1.1          | 98.9                   | 0.0                                          | 0.5            | 20      | 0.0                                    | 13.2           | 13.1                 | 21.6              | 21.6                       |
| 90-95                     | 0.2          | 99.9                   | 0.0                                          | 0.1            | *       | 0.0                                    | 7.2            | 7.2                  | 22.2              | 22.2                       |
| 95-99                     | 0.0          | 100.0                  | 0.0                                          | 0.0            | 0       | 0.0                                    | 6.6            | 6.5                  | 26.5              | 26.5                       |
| Top 1 Percent             | 0.0          | 100.0                  | 0.0                                          | 0.0            | 0       | 0.0                                    | 17.7           | 17.5                 | 31.3              | 31.3                       |
| Top 0.1 Percent           | 0.0          | 100.0                  | 0.0                                          | 0.0            | 0       | 0.0                                    | 12.2           | 12.1                 | 31.6              | 31.6                       |

### Baseline Distribution of Income and Federal Taxes by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup>

| Expanded Cash Income      | Tax U                 | Inits               | Pre-Tax In        | come                | Federal Ta        | ax Burden        | After-Tax In      | come <sup>5</sup>   | Average                          |
|---------------------------|-----------------------|---------------------|-------------------|---------------------|-------------------|------------------|-------------------|---------------------|----------------------------------|
| Percentile <sup>2,3</sup> | Number<br>(thousands) | Percent of<br>Total | Average (dollars) | Percent of<br>Total | Average (dollars) | Percent of Total | Average (dollars) | Percent of<br>Total | Federal Tax<br>Rate <sup>6</sup> |
| Lowest Quintile           | 6,740                 | 29.6                | 23,030            | 9.6                 | -2,010            | -6.4             | 25,040            | 12.0                | -8.7                             |
| Second Quintile           | 7,450                 | 32.7                | 47,790            | 22.0                | 2,590             | 9.1              | 45,200            | 24.0                | 5.4                              |
| Middle Quintile           | 4,900                 | 21.5                | 81,860            | 24.8                | 10,310            | 23.8             | 71,560            | 24.9                | 12.6                             |
| Fourth Quintile           | 2,580                 | 11.3                | 128,890           | 20.6                | 23,660            | 28.8             | 105,220           | 19.3                | 18.4                             |
| Top Quintile              | 1,080                 | 4.7                 | 346,000           | 23.0                | 88,320            | 44.7             | 257,670           | 19.7                | 25.5                             |
| All                       | 22,800                | 100.0               | 70,970            | 100.0               | 9,320             | 100.0            | 61,650            | 100.0               | 13.1                             |
| Addendum                  |                       |                     |                   |                     |                   |                  |                   |                     |                                  |
| 80-90                     | 670                   | 2.9                 | 195,050           | 8.0                 | 42,150            | 13.2             | 152,900           | 7.3                 | 21.6                             |
| 90-95                     | 270                   | 1.2                 | 259,800           | 4.3                 | 57,610            | 7.2              | 202,190           | 3.8                 | 22.2                             |
| 95-99                     | 110                   | 0.5                 | 473,300           | 3.3                 | 125,560           | 6.6              | 347,740           | 2.8                 | 26.5                             |
| Top 1 Percent             | 30                    | 0.1                 | 3,885,920         | 7.4                 | 1,214,800         | 17.7             | 2,671,120         | 5.9                 | 31.3                             |
| Top 0.1 Percent           | *                     | 0.0                 | 27,376,630        | 5.1                 | 8,648,490         | 12.2             | 18,728,140        | 4.0                 | 31.6                             |

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0722-2).

(1) Calendar year. Baseline is current law as of December 21, 2022. Table shows the combined tax benefit of the American Opportunity Tax Credit (AOTC) and the Lifetime Learning tax

credit. For more information on TPC's baseline definitions, see

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

(2) Includes both filling and non-filling 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 incomes used are adjusted for family size by dividing by the square root of the number of people in the tax unit. The resulting percentile breaks are (in 2022 dollars): 20% \$21,000; 40% \$40,700; 60% \$69,300; 80% \$116,100; 90% \$169,100; 95% \$239,000; 99% \$571,800; 99.9% \$2,557,900.
- (4) Tax units with benefit are tax units with a net benefit of \$10 or more.
- (5) 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.
- (6) For income categories for which the baseline tax burden is negative, a negative value for the tax benefit as a percent of federal tax indicates a net increase in federal subsidies, and a positive value indicates a net decrease in federal subsidies.
- (7) 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.

<sup>\*</sup> Non-zero value rounded to zero; \*\* Insufficient data

29-Dec-22 PRELIMINARY RESULTS <a href="http://www.taxpolicycenter.org">http://www.taxpolicycenter.org</a>

# Table T22-0258 Tax Benefit of Education Tax Credits Baseline: Current Law

### Distribution of Federal Tax Change by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup>

Detail Table - Tax Units with Children

| Expanded Cash Income      | Percent of 1 | ax Units 4         | Benefit as a                                 | Share of Total | Avera   | ge Benefit                               | Share of Fede  | eral Taxes           | Average Fede      | eral Tax Rate <sup>7</sup> |
|---------------------------|--------------|--------------------|----------------------------------------------|----------------|---------|------------------------------------------|----------------|----------------------|-------------------|----------------------------|
| Percentile <sup>2,3</sup> | With Benefit | Without<br>Benefit | Percent of After-<br>Tax Income <sup>5</sup> | Benefit        | Dollars | Percent of<br>Federal Taxes <sup>6</sup> | With Provision | Without<br>Provision | With<br>Provision | Without<br>Provision       |
| Lowest Quintile           | 6.3          | 93.7               | 0.2                                          | 7.0            | 60      | -3.1                                     | -1.1           | -1.1                 | -7.5              | -7.3                       |
| Second Quintile           | 8.5          | 91.5               | 0.2                                          | 14.8           | 110     | 3.3                                      | 2.2            | 2.2                  | 6.3               | 6.5                        |
| Middle Quintile           | 14.2         | 85.8               | 0.3                                          | 31.3           | 260     | 2.0                                      | 7.6            | 7.8                  | 13.5              | 13.8                       |
| Fourth Quintile           | 16.9         | 83.2               | 0.3                                          | 39.2           | 340     | 1.1                                      | 17.6           | 17.7                 | 18.7              | 18.9                       |
| Top Quintile              | 4.8          | 95.2               | 0.0                                          | 7.6            | 70      | 0.1                                      | 73.5           | 73.2                 | 26.3              | 26.3                       |
| All                       | 10.0         | 90.0               | 0.1                                          | 100.0          | 160     | 0.5                                      | 100.0          | 100.0                | 20.9              | 21.0                       |
| Addendum                  |              |                    |                                              |                |         |                                          |                |                      |                   |                            |
| 80-90                     | 8.6          | 91.4               | 0.1                                          | 7.1            | 120     | 0.2                                      | 15.5           | 15.5                 | 21.9              | 21.9                       |
| 90-95                     | 1.6          | 98.4               | 0.0                                          | 0.5            | 20      | 0.0                                      | 11.5           | 11.4                 | 23.6              | 23.6                       |
| 95-99                     | 0.3          | 99.8               | 0.0                                          | 0.1            | *       | 0.0                                      | 17.9           | 17.9                 | 26.3              | 26.3                       |
| Top 1 Percent             | 0.0          | 100.0              | 0.0                                          | 0.0            | 0       | 0.0                                      | 28.6           | 28.5                 | 31.0              | 31.0                       |
| Top 0.1 Percent           | 0.0          | 100.0              | 0.0                                          | 0.0            | 0       | 0.0                                      | 13.4           | 13.3                 | 31.1              | 31.1                       |

### Baseline Distribution of Income and Federal Taxes by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup>

| Expanded Cash Income      | Tax U              | Inits               | Pre-Tax In        | come                | Federal Ta        | ax Burden        | After-Tax In      | come <sup>5</sup>   | Average                          |
|---------------------------|--------------------|---------------------|-------------------|---------------------|-------------------|------------------|-------------------|---------------------|----------------------------------|
| Percentile <sup>2,3</sup> | Number (thousands) | Percent of<br>Total | Average (dollars) | Percent of<br>Total | Average (dollars) | Percent of Total | Average (dollars) | Percent of<br>Total | Federal Tax<br>Rate <sup>6</sup> |
| Lowest Quintile           | 10,610             | 20.7                | 23,870            | 3.1                 | -1,790            | -1.1             | 25,660            | 4.2                 | -7.5                             |
| Second Quintile           | 11,440             | 22.3                | 51,750            | 7.2                 | 3,270             | 2.2              | 48,490            | 8.5                 | 6.3                              |
| Middle Quintile           | 10,050             | 19.6                | 96,600            | 11.8                | 13,070            | 7.6              | 83,530            | 12.9                | 13.5                             |
| Fourth Quintile           | 9,680              | 18.9                | 167,300           | 19.7                | 31,220            | 17.6             | 136,090           | 20.2                | 18.7                             |
| Top Quintile              | 9,290              | 18.1                | 518,210           | 58.4                | 136,100           | 73.5             | 382,120           | 54.5                | 26.3                             |
| All                       | 51,320             | 100.0               | 160,580           | 100.0               | 33,520            | 100.0            | 127,060           | 100.0               | 20.9                             |
| Addendum                  |                    |                     |                   |                     |                   |                  |                   |                     |                                  |
| 80-90                     | 4,730              | 9.2                 | 257,980           | 14.8                | 56,410            | 15.5             | 201,570           | 14.6                | 21.9                             |
| 90-95                     | 2,260              | 4.4                 | 370,020           | 10.1                | 87,430            | 11.5             | 282,590           | 9.8                 | 23.6                             |
| 95-99                     | 1,820              | 3.6                 | 644,010           | 14.3                | 169,160           | 17.9             | 474,850           | 13.3                | 26.3                             |
| Top 1 Percent             | 490                | 1.0                 | 3,270,130         | 19.3                | 1,014,540         | 28.6             | 2,255,590         | 16.8                | 31.0                             |
| Top 0.1 Percent           | 50                 | 0.1                 | 16,128,520        | 9.0                 | 5,016,740         | 13.4             | 11,111,780        | 7.8                 | 31.1                             |

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0722-2).

Note: Tax units with children are those claiming an exemption for children at home or away from home or with children qualifying for the Child Tax Credit or EITC.

(1) Calendar year. Baseline is current law as of December 21, 2022. Table shows the combined tax benefit of the American Opportunity Tax Credit (AOTC) and the Lifetime Learning tax

#### credit. For more information on TPC's baseline definitions, 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 incomes used are adjusted for family size by dividing by the square root of the number of people in the tax unit. The resulting percentile breaks are (in 2022 dollars): 20% \$21,000; 40% \$40,700; 60% \$69,300; 80% \$116,100; 90% \$169,100; 95% \$239,000; 99% \$571.800: 99.9% \$2.557.900.

- (4) Tax units with benefit are tax units with a net benefit of \$10 or more.
- (5) 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.
- (6) For income categories for which the baseline tax burden is negative, a negative value for the tax benefit as a percent of federal tax indicates a net increase in federal subsidies, and a positive value indicates a net decrease in federal subsidies.
- (7) 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.

<sup>\*</sup> Non-zero value rounded to zero: \*\* Insufficient data

29-Dec-22 PRELIMINARY RESULTS <a href="http://www.taxpolicycenter.org">http://www.taxpolicycenter.org</a>

# Table T22-0258 Tax Benefit of Education Tax Credits Baseline: Current Law

### Distribution of Federal Tax Change by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup> Detail Table - Elderly Tax Units

| Expanded Cash Income<br>Percentile <sup>2,3</sup> | Percent of Tax Units <sup>4</sup> |                    | Benefit as a                                 | Share of Total | Average Benefit |                                       | Share of Federal Taxes |                      | Average Federal Tax Rate 7 |                      |
|---------------------------------------------------|-----------------------------------|--------------------|----------------------------------------------|----------------|-----------------|---------------------------------------|------------------------|----------------------|----------------------------|----------------------|
|                                                   | With Benefit                      | Without<br>Benefit | Percent of After-<br>Tax Income <sup>5</sup> | Benefit        | Dollars         | Percent of Federal Taxes <sup>6</sup> | With Provision         | Without<br>Provision | With<br>Provision          | Without<br>Provision |
| Lowest Quintile                                   | 0.2                               | 99.8               | 0.0                                          | 5.7            | *               | 1.1                                   | 0.2                    | 0.2                  | 1.2                        | 1.2                  |
| Second Quintile                                   | 0.3                               | 99.7               | 0.0                                          | 8.4            | *               | 0.2                                   | 1.6                    | 1.6                  | 3.1                        | 3.1                  |
| Middle Quintile                                   | 0.5                               | 99.5               | 0.0                                          | 30.6           | 10              | 0.2                                   | 6.0                    | 6.1                  | 6.9                        | 6.9                  |
| Fourth Quintile                                   | 0.8                               | 99.2               | 0.0                                          | 43.8           | 20              | 0.1                                   | 13.7                   | 13.7                 | 11.6                       | 11.6                 |
| Top Quintile                                      | 0.4                               | 99.6               | 0.0                                          | 11.4           | 10              | 0.0                                   | 77.8                   | 77.7                 | 23.2                       | 23.2                 |
| All                                               | 0.4                               | 99.6               | 0.0                                          | 100.0          | 10              | 0.0                                   | 100.0                  | 100.0                | 16.3                       | 16.3                 |
| Addendum                                          |                                   |                    |                                              |                |                 |                                       |                        |                      |                            |                      |
| 80-90                                             | 0.6                               | 99.4               | 0.0                                          | 10.3           | 10              | 0.0                                   | 12.7                   | 12.7                 | 15.9                       | 16.0                 |
| 90-95                                             | 0.1                               | 99.9               | 0.0                                          | 1.1            | *               | 0.0                                   | 10.1                   | 10.1                 | 18.5                       | 18.5                 |
| 95-99                                             | 0.0                               | 100.0              | 0.0                                          | 0.0            | 0               | 0.0                                   | 17.4                   | 17.4                 | 22.2                       | 22.2                 |
| Top 1 Percent                                     | 0.0                               | 100.0              | 0.0                                          | 0.0            | 0               | 0.0                                   | 37.6                   | 37.6                 | 30.7                       | 30.7                 |
| Top 0.1 Percent                                   | 0.0                               | 100.0              | 0.0                                          | 0.0            | 0               | 0.0                                   | 21.8                   | 21.8                 | 31.5                       | 31.5                 |

### Baseline Distribution of Income and Federal Taxes by Expanded Cash Income Percentile Adjusted for Family Size, 2022 <sup>1</sup>

| Expanded Cash Income<br>Percentile <sup>2,3</sup> | Tax Units          |                     | Pre-Tax Income    |                     | Federal Ta        | ax Burden        | After-Tax Income 5 |                     | Average                          |
|---------------------------------------------------|--------------------|---------------------|-------------------|---------------------|-------------------|------------------|--------------------|---------------------|----------------------------------|
|                                                   | Number (thousands) | Percent of<br>Total | Average (dollars) | Percent of<br>Total | Average (dollars) | Percent of Total | Average (dollars)  | Percent of<br>Total | Federal Tax<br>Rate <sup>6</sup> |
| Lowest Quintile                                   | 9,650              | 20.5                | 16,250            | 3.3                 | 190               | 0.2              | 16,060             | 3.9                 | 1.2                              |
| Second Quintile                                   | 11,310             | 24.0                | 35,200            | 8.4                 | 1,090             | 1.6              | 34,110             | 9.8                 | 3.1                              |
| Middle Quintile                                   | 10,340             | 22.0                | 65,180            | 14.3                | 4,490             | 6.0              | 60,690             | 15.9                | 6.9                              |
| Fourth Quintile                                   | 8,250              | 17.5                | 110,240           | 19.3                | 12,790            | 13.7             | 97,450             | 20.4                | 11.6                             |
| Top Quintile                                      | 6,870              | 14.6                | 374,980           | 54.6                | 86,990            | 77.8             | 287,990            | 50.1                | 23.2                             |
| All                                               | 47,030             | 100.0               | 100,280           | 100.0               | 16,340            | 100.0            | 83,940             | 100.0               | 16.3                             |
| Addendum                                          |                    |                     |                   |                     |                   |                  |                    |                     |                                  |
| 80-90                                             | 3,510              | 7.5                 | 174,850           | 13.0                | 27,870            | 12.7             | 146,980            | 13.1                | 15.9                             |
| 90-95                                             | 1,650              | 3.5                 | 253,330           | 8.9                 | 46,970            | 10.1             | 206,360            | 8.7                 | 18.5                             |
| 95-99                                             | 1,360              | 2.9                 | 442,870           | 12.8                | 98,150            | 17.4             | 344,720            | 11.9                | 22.2                             |
| Top 1 Percent                                     | 350                | 0.7                 | 2,690,100         | 20.0                | 824,700           | 37.6             | 1,865,400          | 16.6                | 30.7                             |
| Top 0.1 Percent                                   | 50                 | 0.1                 | 11.769.950        | 11.2                | 3,711,740         | 21.8             | 8,058,210          | 9.2                 | 31.5                             |

Source: Urban-Brookings Tax Policy Center Microsimulation Model (version 0722-2).

Note: Elderly tax units are those with either head or spouse (if filing jointly) age 65 or older.

(1) Calendar year. Baseline is current law as of December 21, 2022. Table shows the combined tax benefit of the American Opportunity Tax Credit (AOTC) and the Lifetime Learning tax

#### credit. For more information on TPC's baseline definitions, 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
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- (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 incomes used are adjusted for family size by dividing by the square root of the number of people in the tax unit. The resulting percentile breaks are (in 2022 dollars): 20% \$21,000; 40% \$40,700; 60% \$69,300; 80% \$116,100; 90% \$169,100; 95% \$239,000; 99% \$571.800: 99.9% \$2.557.900.
- (4) Tax units with benefit are tax units with a net benefit of \$10 or more.
- (5) 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.
- (6) For income categories for which the baseline tax burden is negative, a negative value for the tax benefit as a percent of federal tax indicates a net increase in federal subsidies, and a positive value indicates a net decrease in federal subsidies.
- (7) 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.

<sup>\*</sup> Non-zero value rounded to zero: \*\* Insufficient data