# Individual Income Tax Returns, Preliminary Data, 1990 

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Nearly 114 million U.S. individual income tax returns were filed for Tax Year 1990, reporting more than $\$ 3.4$ trillion in adjusted gross income. This amount represented an increase of 4.3 percent over 1989, when adjusted gross income was slightly less than $\$ 3.3$ trillion. Total income tax, $\$ 439.4$ billion for 1989, rose by 2.7 percent to $\$ 451.4$ billion for 1990.

The dollar amounts for most income and tax items changed by less than 10 percent (positively or negatively) for 1990. Three income items, however, showed larger changes: taxable social security benefits rose 13.5 percent, to nearly $\$ 20.0$ billion; net capital gains declined by 21.4 percent, to $\$ 119.3$ billion; and unemployment compensation rose 28.6 percent, to an all-time high of $\$ 15.6$ billion.

The comparisons presented in this article between data for Tax Years 1990 and 1989 are based on preliminary estimates. A few income and tax items tend to be understated in preliminary estimates. Therefore, comparisons based on preliminary estimates from one year and final data from previous years could be misleading. Comparisons based entirely on preliminary estimates, however, reduce the likelihood of misinterpretation of the data and provide more accurate measures of year-to-year change. Final statistics for Tax Year 1989
are available in the historical tables at the end of this issue of the Bulletin.

## ADJUSTED GROSS INCOME, TAXABLE INCOME, AND TOTAL INCOME TAX

Adjusted gross income (AGI) less deficit grew more rapidly for 1990 than taxable income and total income tax. AGI (less deficit) rose 4.3 percent, while taxable income increased 3.7 percent, and total income tax gained 2.7 percent (Figure A). The relatively small percentage increase in taxable income, as compared to AGI, was a direct result of the large increase in total deductions and the moderate rise in total personal exemptions (see Deductions below for details).

Average AGl equaled $\$ 30,158$ for 1990 , an increase of $\$ 844$ over 1989. Average taxable income decreased $\$ 688$ to $\$ 24,437$, while mean total income tax rose $\$ 101$ per taxable return, reaching $\$ 5,015$ [1].

Total income tax amounted to 13.2 percent of AGI for 1990, down slightly from the 13.4 percent recorded for 1989 (FigureB). Similarly, the average tax rates (i.e., total income tax as a percentage of AGI) decreased for all but

Figure A.--Adjusted Gross Income, Taxable Income, and Total Income Tax, Tax Years 1989 and 1990
[Number of returns are in thousands-money amounts are in millions of dollars]

| Item | 1989(preliminary) |  | 1990(preliminary) |  | Percentage increase in amount |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of returns | Amount | Number of returns | Amount |  |
|  | (1) | (2) | (3) | (4) | (5) |
| Adjusted gross income (less deficit)................................... | 112,280 | \$3,291,413 | 113,799 | \$3,431,906 | 4.3\% |
| Taxable income............................................................... | 92,581 | 2,198,730 | 93,336 | 2,280,920 | 3.7 |
| Total income tax.............................................................. | 89.422 | 439,427 | 90,012 | 451,425 | 2.7 |
| Alternative minimum tax................................................ | 107 | 651 | 119 | 617 | -5.2 |

[^0]Figure B.--Number of Returns, Adjusted Gross Income, and Total Income Tax, by Size of Adjusted Gross Income, Tax Years 1989 and 1990
[Number of returns are in thousands--money amounts are in millions of dollars]

| Tax year, item | Total | Size of adjusted gross income |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Under \$1 | $\begin{gathered} \$ 1 \\ \text { under } \\ \$ 10,000 \end{gathered}$ | $\begin{gathered} \$ 10,000 \\ \text { under } \\ \$ 20,000 \end{gathered}$ | $\begin{gathered} \$ 20,000 \\ \text { under } \\ \$ 30,000 \end{gathered}$ | \$30,000 under $\$ 50,000$ | $\begin{gathered} \$ 50,000 \\ \text { under } \\ \$ 100,000 \end{gathered}$ | $\$ 100,000$ under $\$ 200,000$ | $\begin{gathered} \$ 200,000 \\ \text { under } \\ \$ 500,000 \end{gathered}$ | $\begin{array}{\|c} \$ 500,000 \\ \text { under } \\ \$ 1,000,000 \\ \hline \end{array}$ | $\begin{gathered} \$ 1,000,000 \\ \text { or } \\ \text { more } \\ \hline \end{gathered}$ |
|  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Tax Year 1990 (preliminary): |  |  |  |  |  |  |  |  |  |  |  |
| Number of returns.............. | 113,799 | 799 | 31,480 | 25,507 | 17.429 | 21.123 | 14,281 | 2,329 | 653 | 133 | 64 |
| Adjusted gross income (less deficit). $\qquad$ | \$3,431,906 | \$-33,272 | \$153,682 | -\$375,522 | \$429,965 | \$821,266 | \$940,565 | \$305,813 | \$190,873 | \$89,284 | \$158,208 |
| Total income tax................. | 451,425 | 41 | 3,861 | 22,894 | 39,011 | 90.128 | 132,297 | 58,125 | 44,413 | 21,674 | 38,980 |
| Tax as a percentage of adjusted gross income (less deficit). $\qquad$ | 13.2\% | (') | 2.5\% | 6.1\% | 9.1\% | 11.0\% | 14.1\% | 19.0\% | 23.3\% | 24.3\% | 24.6\% . |
| Tax Year 1989 (preliminary): |  |  |  |  |  |  |  |  |  |  |  |
| Number of returns.............. | 112,280 | 722 | 31,795 | 26,110 | 17,011 | 20,714 | 13,023 | 2,097 | 626 | 121 | 62 |
| Adjusted gross income (less deficit). $\qquad$ | \$3,291,413 | \$-30,505 | \$153,655 | \$383,293 | \$419,729 | \$804,609 | \$857,974 | -\$277.814 | \$183,081 | \$82,342 | \$159,422 |
| Total income tax................ | 439,427 | 50 | 4,123 | 24,686 | 39,113 | 89,716 | 124,416 | 55,092 | 42,861 | 19,996 | 39,373 |
| Tax as a percentage of adjusted gross income (less deficit). $\qquad$ | 13.4\% | (') | 2.7\% | 6.4\% | 9.3\% | 11.2\% | 14.5\% | 19.8\% | 23.4\% | 24.3\% | 24.7\% |

' Less than 0.05 percent.
Note: Detail may not add to totals because of rounding
one income class during 1990. The lower tax rates were primarily attributable to the inflation indexing of exemption and standard deduction amounts (see Deductions below for details), as well as the income tax brackets.

The highest average tax rate among the AGI size classes for 1990 was 24.6 percent, for the 63,642 tax returns with $\$ 1$ million dollars or more of AGI. In contrast, the lowest average tax rate was 2.5 percent, for the 31.5 million returns which reported AGI between $\$ 1$ and $\$ 10,000$.

## SELECTED SOURCES OF INCOME

The major sources of income (or loss) which constituted AGI for 1990 and 1989 are compared in Figure C. Statutory adjustments, which had a significant effect on AGI, are not included in Figure C (see Statutory Adjustments, below).
"Total positive income," composed solely of positive income entries for line items on the individual tax returns,

Figure C.--Comparison of Selected Sources of Adjusted Gross Income (Less Deficit), Tax Years 1989 and 1990
[Number of returns are in thousands--money amounts are in millions of dollars]

| Item | $\begin{gathered} 1989 \\ \text { (preliminary) } \end{gathered}$ |  | 1990(preliminary) |  | Increase in amount |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of returns | Amount | Number of returns | Amount |  |
|  | (1) | (2) | (3) | (4) | (5) |
| Adjusted gross income (less deficit) '............................... | 112,280 | \$3,291,413 | 113,799 | \$3,431,906 | \$140,493 |
| Salaries and wages... | 95,867 | 2,467,498 | 97,048 | 2,615,307 | 147,809 |
| Taxable interest................................................................... | 70,089 | 215,921 | 70,564 | 222,994 | 7,073 |
| Dividends... | 23,136 | 82,124 | 22,921 | 80,119 | -2,005 |
| Business or profession net income (less loss)........................... | 14,151 | 130,911 | 14,629 | 138,576 | 7,665 |
| Net capital gain (less loss)..................................................... | 14,951 | 144,141 | 14,163 | 109,939 | -34,202 |
| Net gain (less loss), sales of property other than capital assets.... | 1,725 | - 1,334 | 1,654 | 1,924 | 590 |
| Social security benefits in adjusted gross income....................... | 4,725 | 17,577 | 5,133 | 19,949 | 2,372 |
| Rent and royalty net income (less loss)................................... | 9,971 | 2,261 | 10,084 | 4,757 | 2,496 |
| Partnership and S Corporation net income (less loss)................. | 5,647 | 72,987 | 5,664 | 74,322 | 1,335 |
| Estate and trust net income (less loss)..................................... | 539 | 3,947 | 502 | 3,778 | -169 |
| Farm net income (less loss)................................................... | 2,361 | 146 | 2,329 | -814 | -960 |
| Unemployment compensation................................................ | 7,219 | 12,103 | 8,080 | 15,569 | 3,466 |
| Pensions and annuities in adjusted gross income...................... | 16,985 | 149,430 | 17,155 | 160,978 | 11,548 |
| Individual Retirement Arrangement distributions in adjusted gross income. | 3,008 | 13,815 | 3,561 | 17,581 | 3,766 |
|  | n.a. | -3,364 | n.a. | -5,520 | -2,156 |

[^1]2 "Other net income (less loss)" represents only data reported on the "other income" residual line of Form 1040, and does not include the foreign earned income exclusion.

Figure D.--Comparison of Selected Sources of Total Positive Income, Tax Years 1989 and 1990
[Number of returns are in thousands--money amounts are in millions of dollars]

| Item | 1989(preliminary) |  | 1990(preliminary) |  | Percentage increase in amount |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of returns | Amount | Number of returns | Amount |  |
|  | (1) | (2) | (3) | (4) | (5) |
| Total positive income '........................................................... | n.a. | \$3,446,298 | n.a. | \$3,599,935 | 4.5\% |
| Salaries and wages..................................................................... | 95,867 | 2,467,498 | 97,048 | 2,615,307 | 5.9 |
| Taxable interest.......................................................................... | 70,089 | 215,921 | 70,564 | 222,994 | 3.3 |
| Dividends........ | 23,136 | 82,124 | 22,921 | 80.119 | -2.4 |
| Business or profession net income............................................... | 11.020 | 148,995 | 11,220 | 156,865 | 5.3 |
| Net capital gain.......................................................................... | 10,686 | 151,831 | 9,152 | 119,344 | -21.4 |
| Net gain, sales of property other than capital assets....................... | 873 | 6,043 | 858 | 5,923 | -2.0 |
| Social security benefits in adjusted gross income.......................... | 4,724 | 17.577 | 5,133 | 19,949 | 13.5 |
| Rent and royalty net income........................................................ | 4,851 | 29,758 | 5,032 | 31,654 | 6.4 |
| Partnership and S Corporation net income.................................... | 2,991 | 104,047 | 3,042 | 106,628 | 2.5 |
| Farm net income........................................................................ | 1,029 | 11,625 | 1,002 | 11,624 | (2) |
| Unemployment compensation..................................................... | 7,219 | 12,103 | 8,080 | 15,569 | 28.6 |
| Pensions and annuities in adjusted gross income | 16,985 | 149,430 | 17,155 | 160,978 | 7.7 |
| Individual Retirement Arrangement distributions in adjusted gross income. $\qquad$ | 3,008 | 13,815 | 3,561 | 17,581 | 27.3 |
| Other net income ${ }^{\text {3 }}$.................................................................. | 6,141 | 22,744 | 5,325 | 21,918 | -3.6 |

n.a. - not available.

1 Sources of income shown are incomplete.
${ }^{2}$ Less than 0.05 percent.
3 "Other net income" represents only data reported on the "other income" residual line of Form 1040.
reached nearly $\$ 3.6$ trillion in 1990, up from $\$ 3.4$ trillion the previous year (Figure D) [2]. This represented a growth of 4.5 percent, notably less than the 5.5 percent recorded for 1989. For comparison purposes, the consumer price index (CPI-U) rose 5.4 percent during 1990 [3].

Eleven of the sixteen components of total positive income increased for 1990. The largest percentage increase was in unemployment compensation, which jumped 28.6 percent. Taxable distributions from Individual Retirement Arrangements (IRA's) rose 27.3 percent and taxable social security benefits rose 13.5 percent. Salaries and wages, which increased $\$ 147.8$ billion, constituted 72.6 percent of total positive income for 1990 (Figure E).

The $\$ 3.5$ billion increase in unemployment compensation was most likely caused by the increased level of unemployment in 1990. The number of returns with income from unemployment compensation increased by 861,000 , or 11.9 percent. The national unemployment rate also rose, from 5.2 for 1989 to 5.4 percent for 1990 [4].

Net capital gains declined for the second consecutive year. For 1989, capital gains shrank 5.3 percent, and declined an additional 21.4 percent during 1990 (Figure D). There were no changes in the tax code to explain the double decline in capital gains. Rather, it is likely that at least a portion of the decline could be attributed to the continual legislative discussion and debate over a proposal to cut the capital gains tax. Many investors, antici-
pating such a cut, may have simply held on to their assets, waiting for lower tax rates.

## LOSSES

"Total negative income," i.e., total losses included in AGI, rose to $\$ 132.5$ billion for 1990, a 4.3 percent increase over 1989 (Figure F). Taxpayers sustained most of their losses through participation in partnerships and $S$ Corporations, which accounted for 24.4 percent of the total. "Other" net losses, 87.2 percent of which was for the business "net operating loss" deduction, represented 20.7 percent of the total. Close behind were: rent and royalty net losses ( 20.3 percent), and non-farm sole proprietorship business or profession net losses (13.8 percent) (Figure E).

Net capital losses (after limitations) were 22.3 percent larger for 1990 than for 1989. Net losses from the sale of property other than capital assets, however, were 15.1 percent smaller. The only other loss item that declined significantly was estate and trust net loss, which decreased 8.2 percent.

## STATUTORY ADJUSTMENTS

Statutory adjustments increased 35.3 percent for 1990, a change of more than $\$ 8.6$ billion (Figure G); the primary reason was the addition of a new deduction for selfemployment tax (see Definitions and Changes in the Law, below, for details). If the new deduction had been ex-

Figure E
Positive Income and Net Losses Included in Adjusted Gross Income, Tax Year 1990


Figure F.--Comparison of Selected Sources of Net Losses Included in Adjusted Gross Income, Tax Years 1989 and 1990
[Number of returns are in thousands--money amounts are in millions of dollars]

| Item | $\begin{gathered} 1989 \\ \text { (preliminary) } \end{gathered}$ |  | $\begin{gathered} 1990 \\ \text { (preliminary) } \end{gathered}$ |  | Percentage increase in amount |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of returns | Amount | Number of returns | Amount |  |
|  | (1) | (2) | (3) | (4) | (5) |
| Total net los8es....................................................................... | n.a. | \$127,079 | n.a. | \$132,541 | 4.3\% |
| Partnership and S Corporation net loss........................................... | 2,655 | 31,060 | 2,621 | 32,306 | 4.0 |
| Rent and royalty net loss............................................................ | 5,120 | 27,497 | 5,052 | 26,897 | -2.2 |
| Estate and trust net loss............................................................ | 79 | 453 | 71 | 416 18289 | -8.2 |
| Business or profession net loss................................................... | 3,131 | 18,084 | 3,408 | 18,289 | 1.1 |
| Farm net loss............................................................................ | $1,375$ | 12,418 | $1,327$ | 12,438 | $\begin{array}{r} 0.2 \\ 02 \end{array}$ |
| Net capital loss ${ }^{1}$ | $4,266$ | 7,689 | 5,011 | 9,405 | $22.3$ |
| Net loss, sales of property other than capital assets | $852$ | $\begin{array}{r} 4,709 \\ 2 \in 109 \end{array}$ | $796$ | $\begin{array}{r} 3,999 \\ 27438 \end{array}$ | $\begin{array}{r} -15.1 \\ 5.1 \end{array}$ |
| Other net loss ${ }^{2}$ | n.a. | 26,108 | n.a. | 27,438 | 5.1 |

n.a. - not available.

1 Includes only the portion of capital losses deducted in the calculation of adjusted gross income.
2 Includes all information reported on the "other income" residual line of Form 1040, except for the foreign earned income exclusion.
cluded, total adjustments would have decreased 3.9 percent for 1990.

The only statutory adjustment that declined for 1990 was deductible contributions to Individual Retirement Arrangements, which dropped 9.4 percent. This decline continued a 5 -year trend that began in 1986 after it was made known that the deductibility of IRA's was to be limited under the Tax Reform Act of 1986 (TRA) [5].

## DEDUCTIONS

The total standard deduction rose 6.9 percent for 1990, from $\$ 311.2$ billion to $\$ 332.8$ billion. Total deductions, the sum of the total standard deduction and total itemized deductions, increased 6.7 percent, reaching $\$ 785.2$ billion. Given that AGI increased only 4.3 percent, it was the 2.4 percentage point difference between the growth rate for total deductions and the growth rate for AGI that caused the slower growth of taxable income and tax shown in Figure A.

The number of returns claiming a standard deduction represented 71.0 percent of all returns filed and 42.4
percent of total deductions for 1990. For 1989, 70.9 percent of all returns filed claimed the standard deduction, with 42.3 percent of the total amount.

Itemized deductions were reported on 28.3 percent of all returns, and accounted for 57.6 percent of total deductions. The remaining 0.7 percent of all returns claimed neither the standard nor itemized deductions, because AGI on those returns was equal to zero.

Two itemized deductions declined for 1990: the personal interest deduction and the casualty or theft loss deduction (Figure H). Personal interest deductions fell 51.0 percent, from $\$ 8.0$ billion for 1989 to less than $\$ 4.0$ billion for 1990. The principal reason for this drop was the continuing phase-out of deductible personal interest that began with TRA. For 1990 , only 10 percent of the amount of personal interest could be claimed as an itemized deduction; the ceiling was 20 percent for 1989.

For 1990, deductions for casualty or theft losses were reported at more than $\$ 0.7$ billion, nearly $\$ 1$ billion less than the previous year. The 1989 total of $\$ 1.7$ billion had been 38.3 percent larger than the amount reported for 1988. This indicates that 1989 was exceptional, in that it

Figure G.--Selected Statutory Adjustments, Tax Years 1989 and 1990
[Number of returns are in thousands--money amounts are in millions of dollars]

| Item | $\begin{gathered} 1989 \\ \text { (preliminary) } \end{gathered}$ |  | 1990(preliminary) |  | Percentage increase in amount |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of returns | Amount | Number of returns | Amount |  |
|  | (1) | (2) | (3) | (4) | (5) |
| Total statutory adjustments ${ }^{1}$........................................................ | 9,930 | \$24,579 | 16,611 | \$33,263 | 35.3\% |
| Payments to an Individual Retirement Arrangement............................. | 5,882 | 10,960 | $5,255$ | 9,929 | $-9.4$ |
| Self-employment tax deduction......................................................... | N/A | N/A | $10,990$ | $9,647$ | $-N / A$ |
| Self-employed health insurance deduction.......................................... | 2,320 | 1,228 | $2,680$ | 1,558 | $26.9$ |
| Payments to a self-employed retirement (Keogh) plan.......................... | 827 595 | $6,348$ $4,374$ | $\begin{aligned} & 819 \\ & 638 \end{aligned}$ | $\begin{aligned} & 6,637 \\ & 4,694 \end{aligned}$ | $\begin{aligned} & 4.6 \\ & 7.3 \end{aligned}$ |
|  | 595 | 4,374 | 638 | 4,694 | 7.3 |

N/A - Not applicable.
I Includes adjustments not shown separately.

Figure H.--Selected Itemized Deductions and the Standard Deduction, Tax Years 1989 and $1990{ }^{1}$
[Number of,returns ars in thousands-money amounts are in millions of dollars]

| Item | 1989(preliminary) |  | 1990(preliminary) |  | Percentage increase in amount |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number <br> of returns | Amount | Number of returns | Amount |  |
| * | (1) | (2) | (3) | (4) | (5) |
| \% Total itemized deductions.................................................. | 31,930 | \$424,687 | 32,157 | \$452,380 | 6.5\% |
| Medical and dental expenses................................................... | 5,074 | 20,499 | 5,039 | 21,164 | 3.2 |
| Taxes paid........................................................................... | 31,384 | 131,410 | 31,597 | 139,955 | 6.5 |
| Interest paid, total ${ }^{\text {a }}$................................................................. | 29,391 | 188,411 | 29,356 | 203,499 | 8.0 |
| Home mortgage................................................................. | 26,346 | 167,188 | 26,681 | 187,125 | 11.9 |
| Personal interest.................................................................. | 25,000 | 8,008 | 23.707 | 3,925 | -51.0 |
| Contributions........................................................................ | 29,163 | 55,329 | 29,290 | 57,245 | 3.5 |
| Casualty or theft losses......................................................... | 185 | 1,709 | 114 | 745 | -56.4 |
| Moving expenses................................................................... | 899 | 3,940 | 907 | 4,191 | 6.4 |
| Miscellaneous expenses after limitation................................... | 7,433 | 21,438 | 7,381 | 23,242 | 8.4 |
| Other miscellaneous expenses................................................ | 697 | 1.951 | 747 | 2,339 | 19.9 |
| Standard deduction.-.......................................................... | 79,627 | 311,186 | 80,826 | 332,803 | 6.9 |

' Retums with no adjusted gross income are not included in the deduction counts. For this reason, the sum of the number of returns with total itemized deductions and the number of returns with total standard deduction is less than the total number of returns for all filers.
${ }^{2}$ Also includes investment interest and deductible 'points," not shown separately.
Note: Detail may not add to totals because of rounding.
reflected the destruction, and subsequent increase in casualty losses, wrought by Hurricane Hugo and the San Francisco earthquake [6].
1990. A history of the earned income credit through the last decade is shown in Figure J , clearly illustrating one of the many dramatic effects of the TRA.

## TAX CREDITS

Total tax credits increased 11.2 percent, from $\$ 5.9$ billion for 1989 to $\$ 6.6$ billion for 1990 (Figure I). The foreign tax credit increased fastest, growing by 24.1 percent. Since the average foreign tax credit increased only $\$ 57$ per return, the change in the number of returns with the credit was the primary reason for the increase in the total amount. Indeed, the number of returns claiming the foreign tax credit increased 20.5 percent for 1990.

The portion of the earned income credit (EIC) used to offset income tax before credits increased to $\$ 1.6$ billion, 17.1 percent more than the previous year. The total EIC, including the refundable portion, equaled $\$ 7.6$ billion for

The largest segment of the EIC was the refundable portion, which was paid directly to individuals who either had no tax against which to apply the credit, or whose EIC exceeded income tax (and other taxes, such as the selfemployment tax). The refundable portion of the EIC amounted to $\$ 5.3$ billion for 1990 , up from $\$ 4.7$ billion for 1989. The total number of returns claiming the earned income credit grew 6.9 percent for 1990 , from 5.4 million to 5.7 million returns.

## SUMMARY

Adjusted gross income and total positive income grew at slower rates for 1990 than they had for 1989; both income indicators were outpaced by inflation.

Figure I.--Selected Tax Credits, Tax Years 1989 and 1990

|  | $\begin{gathered} 1989 \\ \text { (preliminary) } \end{gathered}$ |  | 1990(preliminary) |  | Percentage |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Item | Number of returns | Amount | Number of returns | Amount | increase in amount |
| - | (1) | (2) | (3) | (4) | (5) |
| Total tax credits '................................................................ | 12,066 | \$5,919 | 12,527 | \$6,584 | 11.2\% |
| Child care credit....................................................................... | 6,043 | 2,442 | 6,164 | 2,554 | 4.6 |
| Earned income credit ${ }^{\text {2 }}$............................................................ | 5,367 | 1,388 | 5,737 | 1,626 | 17.1 |
| Credit for the elderly or disabled............................................... | 326 | 66 | 342 | 63 | -4.5 |
| Foreign tax credit. | 639 | 1,220 | 770 | 1,514 | 24.1 |
| General business credit | 321 | $534$ | $255$ | 563. | . 5.4 |
| Credit for prior-year minimum tax............................................) | 32 | 199 | 31 | 174 | -12.6 |

[^2]${ }^{2}$ Represents the portion of the eamed income credit used to offset income tax before credits. Additional earned income credit amounts were used to offset other taxes, and ;some amounts were paid directly to the taxpayer.

Figure J
Total Earned Income Credit (EIC), Tax Years 1981-1990


Note: Data for Tax Years 1981-1988 are final; data for 1989-1990 are preliminary.

Unemployment compensation rose more than 28.6 percent, and net capital gains decreased 21.4 percent for 1990. Statutory adjustments were up 35.3 percent, mainly the result of the new self-employment tax deduction. Itemized deductions increased 6.5 percent, despite large reductions in the personal interest deduction and the casualty or theft loss deduction. Total tax credits rose 11.2 percent, supported by large increases in the earned income and foreign tax credits. Total income tax (after credits) grew slightly less than 3 percent, while total tax as a percentage of AGI decreased 0.2 percentage points.

## DEFINITIONS AND CHANGES IN THE LAW

In general, the definitions used in this article are the same as those explained in Statistics of Income-1988, Individual Income Tax Returns. The following is a partial list of tax law and Internal Revenue Service administrative changes that had bearing on the 1990 preliminary data discussed in this article.

- Exemption Amount--For 1990, a taxpayer was allowed a $\$ 2,050$ deduction for each exemption to which he or she was entitled. The exemption amount for 1989 was $\$ 2,000$ per exemption.
- Earned Income Credit.-If a taxpayer's "earned income" and adjusted gross income for 1990 were both less than $\$ 20,264$, and the individual had a child living with him or her for more than half of the year, and met all of the other requirements for: the earned income credit, the filer was entitled to a credit of up to $\$ 953$. For 1989 , the income ceiling for qualification was $\$ 19,340$ and the maximum allowable credit was $\$ 910$.
- Standard Deduction.-The standard deduction in. creased slightly for 1990 over 1989. For single filers, the standard deduction rose from $\$ 3,100$ to $\$ 3,250$. Other increases were as follows: from $\$ 5,200$ to $\$ 5,450$ for those who were married filing jointly or qualifying widow(er)s; from $\$ 2,600$ to $\$ 2,725$ for those who were married filing separately; and from $\$ 4,550$ to $\$ 4,750$ for heads of households.
- Deduction forSelf-Employment Tax.-Beginning with 1990, an individual could deduct one-half of his or her social security self-employment tax for a year in figuring adjusted gross income.


## DATA SOURCES AND LIMITATIONS

These preliminary statistics are based on a sample of individual income tax returns (Forms 1040,1040A, and 1040EZ) filed during Calendar Year 1991. Returns in the sample were stratified based on return type (Form 1040, 1040A, or 1040EZ); the presence or absence of specific forms or schedules; and the larger of total positive income or total negative income and the size of non-farm sole proprietorship business receipts [7]. Returns were then selected at rates ranging from 0.02 percent to 100 percent. The preliminary 1990 data are based on a sample of 89,970 returns and an estimated final population of $114,467,245$ returns. The corresponding sample and population for the preliminary 1989 data were 95,891 and $112,876,634$ returns, respectively.

The data presented here are estimates based on a sample of returns filed, and are, therefore, subject to sampling error. To properly use the statistical data provided, the magnitude of the potential sampling error must be known; coefficients of variation (CV's) are used to measure that magnitude.
: Approximate coefficients of variation (CV's) for frequency estimates are presented in Figure K. These approximate CV's shown are intended only as a general

Figure K.--Coefficients of Variation for Selected Frequency Estimates, Tax Year 1990

| Number of returns | Approximate coelficient of variation |
| :---: | :---: |
| 27,402,400.... | 0.01 |
| 6,850,600::..................................... | 0.02 |
| 1,096,096....................................... | 0.05 |
| 274,024....................................... | 0.10 |
| 68,506....................................... | 0.20 |
| 30,447....................................... | 0.30 |
| 22,369....................................... | 0.35 |
| 10,961...................................... | 0.50 |

indication of the reliability of the data. For a number other than those shown, the corresponding CV's can be estimated by interpolation. The reliability of estimates based on samples, and the use of coefficients of variation for evaluating the precision of estimates based on samples, are discussed in the Appendix to this issue of the Bulletin.

While these preliminary estimates are intended to represent a full year of taxpayer reporting, they are actually based on returns processed for tax administration purposes between January and late September of 1991. In general, returns processed during the remainder of each year tend to have somewhat different characteristics from those processed for the preliminary estimates. The characteristics of these later returns tend to include disproportionately large amounts of investment income and such other items as the alternative minimum tax.

All comparisons between 1990 and 1989 are based upon preliminary data from each year. Figure $L$ provides a comparison of 1989 preliminary and final data. Certain items, such as AGI and salaries and wages, which are reported on most returns, changed little between preliminary and final data. In contrast, other items, including partnership and S Corporation net losses and the alternative minimum tax tend to be understated in all preliminary estimates.

## NOTES AND REFERENCES

[1] "Mean total incometax" is defined here as the amount of total income tax divided by the number of taxable returns.
[2] For the purposes of this article, total positive income was a compilation of all income line items on the tax

Figure L.--Comparison of Preliminary and Final Data, Tax Year 1989
[Money amounts are in millions of dollars]

| . $\therefore$ Item | 1989 preliminary data | 1989 <br> final <br> data | Increase from proliminary to final data | Percentage increase from preliminary to final data |
| :---: | :---: | :---: | :---: | :---: |
|  | (1) | (2) | (3) | (4) |
| Adjusted gross income (less deficit).................................................. | \$3,291,413 | \$3,256,358 | \$-35,055 | -1.1\% |
| Salaries and wages........................................................................ | 2,467,498 | 2,449,531 | -17,967 | -0.7 |
| Net capital gain (less loss)................................................................ | 144,141 | 144,006 | -135 | -0.1 |
| Partnership and S Corporation: |  |  |  |  |
| Net income................................................................................... | 104,047 | 107,374 | 3,327 | 3.2 |
| Net loss..................................................................................... | 31,060 | 44,282 | 13,222 | 42.6 |
| Other income: |  |  |  |  |
| Net income.................................................................................... | 22,714 | 23,332 | 618 | 2.7 |
| Net loss...................................................................................... | 33,323 | 36,655 | 3,332 | 10.0 |
| Total itemized deductions................................................................. | 424,687 | 430,978 | 6,291 | 1.5 |
| Interest paid deduction................................................................ | 188,411 | 193,186 | 4,775 | 2.5 |
| Total tax credits.............................................................................. | 5,919 | 6,131 | 212 | 3.6 |
| Total income tax............................................................................ | 439,427 | 432,109 | -7,318 | -1.7 |
| Alternative minimum tax.............................................................. | 651 | 831 | 180 | 27.6 |

returns (Form 1040, 1040A, or 1040EZ) for which a positive amount was reported by the taxpayer. Total negative income was similarly defined. The Form 1040 income tax return entry for Schedule E, Supplemental Income and Loss was separated into the following components: rent and royalty net income, partnership and S Corporation net income, and estate and trust net income. When any of these subtotals was positive on a return, the corresponding income (rather than the total netted amount from Schedule E) was included in the statistics for total positive income.
[3] U.S. Department of Labor, Bureau of Labor Statistics, Monthly Labor Review. Represents annual averages of monthly figures. Reflects buying patterns of all urban consumers.
$1990 \mathrm{CPI}-\mathrm{U}=130.7$; $1989 \mathrm{CPI} \mathrm{U}=124,0$.
[4] U.S. Department of Labor, Bureau of Labor Statistics, Employment and Earnings, monthly.
[5] TRA limited or disallowed the IRA contribution deduction for middle- and upper-income taxpayers who were covered by a pension plan, while continuing to permit nondeductible contributions for such taxpayers, as well as allowing tax deferral on the investment income of all IRA's. For more information, see Introduction and Changes in the Law in Statistics of Income-1988, Individual Income Tax Returns.
[6] Unpublished data indicate that casualty and theft losses reported for South Carolina and California were markedly higher for 1989 than for 1988 or 1990. The portion of the national total made up by the two states was also considerably larger for 1989.
[7] Returns in the sample are stratified based on the presence or absence of one or more of the following forms or schedules: Form 2555, Foreign Earned Income; Form 1116, Computation of Foreign Tax Credit, Schedule C, Profit (or Loss) from Business or Profession; Schedule F, Farm Income and Expenses; or Form 4835, Farm Rental Income (or Loss).

Table 1.--Selected Income, Adjustments, Deductions, and Tax Items, by Size of Adjusted Gross Income [All figures are estimates based on samples-money amounts are in thousands of dollars]


Footnotes at end of table.

Table 1.-Selected Income, Adjustments, Deductions, and Tax Items, by Size of Adjusted Gross Income--Continued
[All figures are estimates based on samples-money amounts are in thousands of dollars]

| Size of adjusted gross income | Penslons and annulties |  |  |  | Rent and royalty |  |  |  | Partnership and S Corporation |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | In adjusted gross income |  | Nat income |  | Net loss |  | Net income |  |
|  | $\begin{aligned} & \text { Number } \\ & \text { of } \\ & \text { returns } \end{aligned}$ | Amount | $\begin{aligned} & \text { Number } \\ & \text { of } \\ & \text { retums } \end{aligned}$ | Amount | Number ol returns | Amount | Number of retums | Amount | Number of returns | Amount |
| All returns, total .............. | (31) | (32) | (33) | (34) | (35) | (36) | (37) | (38) | (39) | (40) |
|  | 18,106,708 | 215,845,073 | 17,154,637 | 160,978,202 | 5,032,359 | 31,654,182 | 5,052,132 | 26,696,954 | 3,041,973 | 106,628,194 |
| No adjusted gross income..... $\$ 1$ under $\$ 5,000$ | 66,873 599,736 | $861,865$ | 63,218 574,371 | $\begin{array}{r} 501,951 \\ 1,317,019 \end{array}$ | $\begin{array}{r} 60,320 \\ 192,988 \end{array}$ | $\begin{aligned} & 709,744 \\ & 363,261 \end{aligned}$ | $\begin{aligned} & 142,783 \\ & 150,873 \end{aligned}$ | $\begin{array}{r} 1,940,383 \\ 658,855 \end{array}$ | $\begin{aligned} & 37,960 \\ & 72,592 \end{aligned}$ | $\begin{aligned} & 576,269 \\ & 149,135 \end{aligned}$ |
| \$5,000 under \$10,000.... | 1,984,858 | 9,588,711 | 1,944,604 | 8,575,057 | 492,364 | 1,248,726 | 209,404 | 804,374 | 159,451 | 734,544 |
| \$10,000 under $\$ 15,000 . .$. | 2,516,257 | 16,997,885 | 2,476,428 | 15,611,538 | 433,304 | 1,155,963 | 308,754 | 1,223,350 | 187,497 | $\begin{aligned} & 974,208 \\ & 962,373 \end{aligned}$ |
| \$15,000 under \$20,000.... | 2.116,392 | 19,035,942 | 2,052,357 | 16,916,144 | 436,377 | 1,401,946 | 292,155 | 1,383,397 | 141,660 |  |
| \$20,000 under \$25,000......... | 1,678,242 | 17,734,119 | 1,608,691 | 15,234,405 |  |  |  | $\begin{aligned} & 1,411,235 \\ & 1,563,307 \end{aligned}$ |  | $1,276,257$$1,226,606$ |
| \$25,000 undar \$30,000....... | 1,344,189 | 14,566,503 | 1,295,774 | 12,015,297 |  |  |  |  |  |  |
| \$30,000 under \$40,000....... | 2,109,493 | 23,852,659 | 1,996,944 | 20,375,465 | $\begin{aligned} & 307,887 \\ & 618,983 \end{aligned}$ | $\begin{aligned} & 1,252,688 \\ & 1,733,523 \end{aligned}$ | $\begin{aligned} & 356,821 \\ & 648,690 \end{aligned}$ | $\begin{aligned} & 1,563,307 \\ & 2,935,922 \end{aligned}$ | $\begin{aligned} & 129,347 \\ & 301,701 \end{aligned}$ | $\begin{aligned} & 1,226,606 \\ & 2,078,152 \end{aligned}$ |
| \$40,000 under \$50,000..... | 1,822,753 | 26,853,082 | 1,687,013 | 19,551,753 | 476,193 | 1,962,571 | 578,858 | 2,736,237 | 303, 190 | $2,519,438$ |
| \$50,000 under \$75,000....... | $2,382,269$ 743,600 | 36,768,822 | 2,182,517 | 26,491,285 | 748,412 | 4,396,745 | $1,014,573$ 435,947 | 5,728,072 | 500,457 | 6,442,494 |
| $\$ 75,000$ under $\$ 100,000$ $\$ 100,000$ under $\$ 200,000 \ldots . .$. $\$ 200,000$ under $\$ 500,000$...... $\$ 500,000$ under $\$ 1,000,000 . .$. $\$ 1,000,000$ or more. | 743,600 551,586 | $\begin{aligned} & 14,493,659 \\ & 17,863,519 \end{aligned}$ | $\begin{aligned} & 658,699 \\ & 464,035 \end{aligned}$ | $\begin{array}{r} 9,719,420 \\ 8,898,657 \end{array}$ | $\begin{aligned} & 315,937 \\ & 338,282 \end{aligned}$ | $\begin{aligned} & 2,573,716 \\ & 4,759,050 \end{aligned}$ | $\begin{aligned} & 435,947 \\ & 378,445 \end{aligned}$ | $\begin{aligned} & 2,767,419 \\ & 2,278,707 \end{aligned}$ | 272,938 | $\begin{array}{r} 4,720,756 \\ 15,591,567 \end{array}$ |
|  | 142,491 | 8,407,153 | 113,245 | 3,135,681 | 154,89537,749 | $4,314,120$$1,972,463$ | 122,18625,139 | 871,683 | $\begin{array}{r}\text { 421,990 } \\ \hline 233,915\end{array}$ | $\begin{array}{r} 15,591,567 \\ 21,820,246 \end{array}$ |
|  | 32,098 | 3,852,150 | 24,533 | 1,129,310 |  |  |  | 317,532 | $\begin{array}{r} 233,915 \\ 60,267 \end{array}$ | $\begin{aligned} & 13,713,683 \\ & 33,842,469 \end{aligned}$ |
|  | 15,872 | 3,407,600 | 12,209 | 1,505,222 | 22,488 | 2,384,865 | 11,921 | 276,480 | 34,926 |  |
| Taxable returns, total. $\qquad$ Nontaxable returns, total..... | $\begin{array}{r} 15,891,586 \\ 2,215,122 \\ \hline \end{array}$ | $\begin{array}{r} 204,154,081 \\ 11,690,992 \\ \hline \end{array}$ | $\begin{array}{r} 15,023,589 \\ 2,131,048 \\ \hline \end{array}$ | $\begin{array}{r} 151,365,300 \\ 9,612,902 \end{array}$ | $\begin{array}{r} 4,350,732 \\ 681,627 \\ \hline \end{array}$ | $\begin{array}{r} 29,513,264 \\ 2,140,917 \end{array}$ | $\begin{array}{r} 4,413,346 \\ 638,786 \\ \hline \end{array}$ | $\begin{array}{r} 22,210,937 \\ 4,686,017 \end{array}$ | $\begin{array}{r} 2,797,053 \\ 244,920 \\ \hline \end{array}$ | $\begin{array}{r} 104,903,874 \\ \quad 1,724,320 \\ \hline \end{array}$ |
|  |  |  |  |  |  |  |  |  |  |  |
| Size of adjusted gross income | Partnership and S Corporation --Continued |  | Estate and trust |  |  |  | Farm |  |  |  |
|  | Net loss |  | Net income |  | Net loss |  | Net income |  | Net loss |  |
|  | Number of returns | Amount | Number of retums | Amount | Number of returns | Amount | Number of returns | Amount | Number of returns | Amount |
| All returns, total ............. | (41) | (42) | (43) | (44) | (45) | (46) | (47) | (48) | (49) | (50) |
|  | 2,621,763 | 32,306,368 | 430,942 | 4,193,922 | 70,707 | 416,277 | 1,001,712 | 11,624,389 | 1,327,124 | 12,438,362 |
| No adjusted gross income..... \$1 under \$5,000 | 120,188 60,511 | $10,770,879$ 569,352 | 2,578 | $\begin{array}{r} 15,309 \\ 67,373 \\ 105,429 \\ 55,754 \\ 167,893 \end{array}$ | $\begin{array}{r} 492 \\ \cdot 5,745 \\ \cdot 4,205 \\ \cdot 5,357 \end{array}$ | $\begin{array}{r} 40,962 \\ -8,063 \\ \cdot 26,602 \\ \cdot 12,109 \end{array}$ | 25,712 | 380,817 | 97,346 | 3,483,777 |
| \$5,000 under \$10,000.............. | 69,018 | 637,251 | 38,497 |  |  |  | 112,347 | 539,756 | 125,672 | 717.637 |
| \$10,000 under \$15,000......... | 104,499 | 763,800 | 23,240 |  |  |  | 83,463 | 520,892 | 91,973 | 476,260 |
| \$15,000 under \$20,000......... | 107,264 | 540,680 | 22,053 |  |  |  | 115,730. | 608,396 | 108.426 | 626,575 |
| \$20,000 under \$25,000... | 133,902 | 643,696 | 23,365 | 59,893 | 8,992 | 43,536 \{ | 83,340 | 729,443 | 123,632 | 808,884 |
| \$25,000 under \$30,000.......... | 141,915 | 595,113 | 21,888 | 56,590 | *2,746 | * 1,146 | 96,087 | 987,121 | 115,010 | 730,788 |
| \$30,000 under \$40,000......... | 265,983 | 1,084,705 | 46,410 | 149,596 | -9,013 | $\bullet 60,569$ | 125,821 | 1,429,064 | 174,347 | 1,048,095 |
| \$40,000 under \$50,000......... | 247,541 | 900, 132 | 32,855 | 153,747 | -2,811 | -9,434 | 96,426 | 1,385,309 | 149,003 | 980,825 |
| \$50,000 under \$75,000......... | 498,165 | 2,288,519 | 75,483 | 345,165 | 11,054 | 41,750 | 109,390 | 2,058,510 | 144,046 | 887,984 |
| \$75,000 under \$100,000.. | 279,908 | 1,657,348 | 33,409 | 261,336 | 6,066 | 31,808 | 34.014 | 834,640 | 49,126 | 435.963 |
| \$100,000 under \$200,000. | 363,772 | 3,470,678 | 46,962 | 483,554 | 7,590 | 73.179 | 26,662 | 1,051,696 | 44,213 | 633,576 |
| \$200,000 under $\$ 500,000$. | 170,015 | 3,746,940 | 25,161 | 716,386 | 3,957 | 24,774 | 8.774 | 536,257 | 19,504 | 495,590 |
| \$500,000 under \$1.000,000... | 41,208 | 1,800,137 | 7,562 | 463,202 | 1.489 | 7.218 | 2,732 | 215,814 | 4,620 | 205,070 |
| \$1,000,000 or more.............. | 17,873 | 2,837,135 | 4,857 | 1,092,691 | 1.189 | 35.127 | 1,297 | 241,721 | 2,858 | 414,801 |
| Taxable returne, total... | 2,327,642 | 18,780,586 | 390,556 | 4,001,119 | 65,362 | 312,176 | 757,343 | 10,162,882 | 999,605 | 7,340,970 |
| Nontaxable returns, total..... | 294,121 | 13,525,782 | 40,386 | 192,803 | 5,345 | 104,101 | 244,368 | 1,461,507 | 327,519 | 5,097,392 |
|  |  |  |  | Social sec | benefits |  |  | Statutory | justments |  |
|  | Unem | ment |  |  |  |  |  |  | Individua | etirement |
|  | compe | ation |  |  | In adjustad | ass income |  |  | Arrang | payments |
| Size of adjusted |  |  |  |  |  |  |  |  | (prim | храуөr). |
| gross income | Number of retums | Amount | Number of <br> returns | Amount | Number of returns | Amount | Number of retums | Amount | Number of retums | Amount |
|  | (51) | (52) | (53) | (54) | (55) | (56) | (57) | (58) | (59) | (60) |
| All returna, total ............. | 8,079,878 | 15,569,487 | 10,898,563 | 101,008,982 | 5,132,891 | 19,948,743 | 16,610,552 | 33,262,703 | 4,785,858 | 7,155,119 |
| No adjusted gross income..... $\$ 1$ under \$5,000 | 13,685 374,618 | 20,200 450,056 | 85,069 711,551 | 738,343 5,394,584 | 2,763 $\cdot 8,223$ | 8,636 $\cdot 13,786$ | 152,679 $1.010,164$ | 293,496 393,500 | 12,078 81,494 | 20,410 110,923 |
| \$5,000 under \$10,000.............. | 1,133,052 | 1,797,555 | 1,653,166 | 13,881,472 | -16,103 | *40,626 | 1,513,538 | 1,024,954 | 197,847 | 299,787 |
| \$10,000 under \$15,000......... | 1,287,894 | 2,426,487 | 1,548,256 | 14,245,853 | 25,949 | 123,521 | 1,501,088 | 1,643,923 | 351,629 | 573.100 |
| \$15,000 under \$20,000......... | 854,534 | 1,739,404 | 1,048,819 | 9,671,473 | 43,859 | 83,273 | 1,381,392 | 1,769,315 | 430,051 | 662,306 |
| \$20,000 under $\$ 25,000 . . . . . . .$. | 878,125 | 1,857,927 | 880,289 | 8,494,485 | 298,329 | 336,060 | 1,521,105 | 2,127,799 | 564,253 | 863,078 |
| \$25,000 under \$30,000........ | 688,764 | 1,381,020 | 834,349 | 7,306,100 | 612,676 | 1,029,020 | 1,444,359 | 2,162,589 | 612,090 | 847.449 |
| \$30,000 undar \$40,000....... | 1,153,895 | 2,380,058 | 1,340,102 | 12,359,277 | 1,329,100 | 4,067,853 | 2,347,888 | 3,975,750 | 909,726 | 1,295,087 |
| \$40,000 under $\$ 50,000 . . . . . . .$. | 772,315 | 1,530,492 | 972,700 | 8,830,010 | 971,625 | 4,212,394 | 1,854,433 | 2,970,350 | 693,981 | 832,758 |
| \$50,000 under \$75,000......... | 738,386 | 1,556,751 | 1.055,632 | 10,997,254 | 1,055,632 | 5,488,471 | 2,052,116 | 4,921,605 | 474,804 | 778,389 |
| \$75,000 undor \$100,000...... | 131,378 | 280,744 | 340,904 | 3,585,515 | 340,904 | 1,792,774 | 738,992 | 3,002,939 | 182,951 | 342,458 |
| \$100,000 under \$200,000...... | 47,751 | 131,086 | 301,823 | 3,733,333 | 301,823 | 1,866,688 | 738,038 | 4,977,958 | 189,153 | 363,063 |
| \$200,000 under \$500,000..... | 4,374 | 14,413 | 95,543 | 1,323,809 | 95,543 | 661,902 | 269,930 | 2,888,665 | 69,505 | 134,956 |
| \$500,000 under \$1,000,000... | 897 | 2,516 | 19,971 | 289,030 | 19,971 | 144,515 | 55,675 | 716,878 | 11,123 | 21.451 |
| \$1.000,000 or more.............. | 211 | 779 | 10,388 | 158,444 | 10,388 | 79,222 | 29,156 | 392,980 | 5,174 | 9,904 |
| Taxable returns, total.......... | 6,452,017 | 12,920,792 | 8,876,374 | 82,948,141 | 5,055,601 | 19,696,755 | 13,849,955 | 31,134,575 | 4,564,691 | 6,812,548 |
| Nontaxable returna, total..... | 1,627,861 | 2,648,695 | 2,022,189 | 18,060,841 | 77,290 | 251,888 | 2,780,597 | 2,128,128 | 221,168 | 342,570 |

Footnotes at end of table.

Table 1:-Selected Income, Adjustments, Deductions, and Tax Items, by Size of Adjusted Gross Income-Continued [All figures are estimates based on samples-money amounts are in thousands of dollars]

| Size of adjustedgross income | Statutory adjustments--Continued |  |  |  |  |  |  |  | Basic standard deduction |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Individual Retirement Arrangement payments (secondary taxpayer) |  | Deduction for self-employment tax |  | Payments to a seli-amployed retirement (Keogh) plan |  | Alimony paid |  |  |  |
|  | Number of returns | Amount | Number of retums | Amount | $\begin{aligned} & \text { Number } \\ & \text { of } \\ & \text { returns } \end{aligned}$ | Amount | Number <br> of retums | Amount | Number of returns | Amount |
|  | (61) | (62) | (63) | (64) | (65) | (86) | (67) | (68) | (69) | (70) |
| All returns, total ............. | 2,138,588 | 2,773,933 | 10,990,343 | 9,646,668 | 819,454 | 6,636,538 | 637,641 | 4,694,294 | 80,825,689 | 322,096,680 |
| No adjusted gross income..... | 5,280 | 8,372 | 105,849 | 73,778 | 2,813 | 7.575 | 9.556 | 146,872 | -7 | 45,403- |
| \$1 under \$5,000................ | -2,744 | -5,489 | 902,363 | 181,722 | -874 | -1,121 | -5,892 | *29,228 | 18,329,951 | 45,483,025 |
| \$5,000 under \$10,000...... | 27.061 | 37,420 | 1,242,724 | 494,522 | *4,491 | -4,551 | -18,928 | 70,386 | 14,413,883 | 55,288,645 |
| \$10,000 under \$ 15,000 ... | 90,201 | 112.545 | 1,118,138 | 593,575 | -18,465 | -15,977 | 35,425 | 125,456 | 12,949,395 | 53,062,861 |
| \$15,000 under \$20,000.......... | 89,520 | 113,021 | 918,824 | 614.131 | 16,412 | 33,901 | 48,343 | 164,162 | 10,104,203 | 42,042,421 |
| \$20,000 under \$25,000... | 153,008 | 195,094 | 913,714 | 634,680 | 33,271 | 69,570 | 45,702 | 204,153 | 7,784,293 | 33,874,154 |
| \$25,000 under \$30,000... | 222,305 | 277,749 | 809,270 | 635,804 | 35,530 | 103,351 | 41,000 | 166,994 | 5,644,267 | 25,517,644 |
| \$30,000 under \$40,000.......... | 455,815 | 605,713 | 1,361,431 | 1,177,593 | 63,692 | 208,154 | 79,308 | 397,690 | 7,185,386 | -34,116,645 |
| \$40,000 under \$50,000......... | 386,855 | 377,475 | 1,062,803 | 968,314 | 62,061 | 214,382 | 82,843 | 420,329 | 3,619,883 | 18,161,943 |
| \$50,000 under \$ $\mathbf{7 5 , 0 0 0}$......... | 337,028 | 476,312 | 1,405,137 | 1,787,718 | 169,085 | 775,401 | 113,745 | 754,986 | 2,351,824 | 12,250,736 |
| \$75,000 under \$100,000........ | 154,508 | 234,811 | 482,835 | 859,999 | 120,887 | 796,683 | 56,823 | 502,622 | 306,812 | 1,602,062 |
| \$100,000 under \$200,000...... | 147,469 | 227,330 | 467,363 | 1,117,597 | 190,175 | 2,284,925 | 64,276 | 778,580 | 116,392 | 599,769 |
| \$200,000 under \$500,000...... | 54,087 | 83,451 | 163,520 | 408,268 | 81,045 | 1,628,303 | 25,142 | 522,214 | 16,403 | 82,119 |
| \$500,000 under \$1,000,000... | 8,783 | 13,103 | 28,109 | 73,363 | 14,794 | 360,750 | 7.031 | 220,158 | 2,301 | 11,417 |
| \$1,000,000 or more............. | 3,906 | 6,046 | 12,261 | 27,596 | B,057 | 133,892 | 3,624 | 190,464 | 95 | 3,237 |
| Taxable retums, total........... | 2,067,686 | 2,675,274 | 8,579,521 | 8,564,053 | 795,361 | 6,600,655 | 604,051 | 4,418,938 | 59,425,365 | 237,373,236 |
| Nontaxable raturns, total..... | 70,882 | 98,660 | 2,410,822 | 1,082,605 | 24,094 | 35,883 | 33,590 | 275,355 | 21,400,324 | 84,723,444 |


|  |  |  |  |  |  | Itamized | ductions |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Size of adjusted | Additiona ded | standard tion |  |  |  | and <br> xense <br> ion | Taxes pe | deduction | Interest p | d deduction |
| gross income | $\begin{aligned} & \text { Number } \\ & \text { of } \\ & \text { returns } \end{aligned}$ | Amount | Number of returns | Amount | Number of retums | Amount | $\begin{aligned} & \text { Number } \\ & \text { of } \\ & \text { retums } \end{aligned}$ | Amount | Number of retums | Amount |
|  | (71) | (72) | (73) | (74) | (75) | (78) | (77) | (78) | (79) | (80) |
| All returns, total ............. | 11,045,694 | 10,706,780 | 32,157,161 | 452,379,821 | 5,038,520 | 21,163,640 | 31,596,983 | 139,955,245 | 29,356,029 | 203,498,872 |
| No adjusted gross income..... |  |  |  | - $\quad \stackrel{\square}{\square}$ | 114, |  | 130,740 | - |  |  |
| \$1 under \$5,000................... | 917,331 | 832,785 2,179 | 171,760 557671 | 1,485,130 4,696884 | 114,116 |  | 130,740 451,768 | 201,952 | 108,332 352,043 | $\begin{array}{r} 586,391 \\ 1.327 .028 \end{array}$ |
| $\$ 5,000$ under $\$ 10,000 . . . . . . . .$. $\$ 10,000$ under $\$ 15,000 . . . . .$. | $2,406,092$ $\mathbf{2 , 4 3 8 , 6 2 0}$ | $2,179,124$ $2,400,305$ | 557,671 $\mathbf{1 , 0 0 3 , 1 6 5}$ | 4,696,884 $8,880,575$ | 369,282 $\mathbf{5 4 6 , 3 8 0}$ | $2,066,303$ $2,778,830$ | 451,768 938,678 | 642,502 1,379,027 | 352,043 748,757 | $1,327,028$ $-\quad 3,311,332$ |
| $\begin{aligned} & \$ 10,000 \text { under } \$ 15,000 . . . . . . . . . . \\ & \$ 15,000 \text { under } \$ 20,000 . . . . . . . \end{aligned}$ | $2,438,620$ $1,662,699$ | $2,400,305$ $1,632,377$ | 1,446,346 | 13,508,373 | 811,033 | 2,615,617 | 1,382,301 | 2,100,896 | 1,167,638 | 6;297,149 |
| \$20,000 under \$25,000. | $\bigcirc 1,031,974$ | -1,038,517 | 1,801,452 | 15,484,171 | 623,471 | 2,376,915 | 1,748,057 | 3,156,183 | 1,564,534 | 6,748,890 |
| \$25,000 under \$30,000... | 618,555* | ,. 608,365 | 2,195,248 | 19,625,418 | 809,514 | 2,014,830 | 2,124,878 | 4,396,268 | 2,020,031 | 9,417,093 |
| \$30,000 under \$40,000..... | 816,060. | 811,261 | 5,085,208 | 48,082,821 | 861,504 | 2,702,900 | 5,033,070 | 12,467,766 | 4,744,504 | 23,776,107 |
| \$40,000 under \$50,000.......... | 551,909 | 557,638 | 5,231,115 | 55,785,965 | 522,842 | 1,887,910 | 5,199,219 | 15,676,262 | 4,948,367 | 28,041,800 |
| \$50,000 under \$75,000......... | 448,391 | 482,724 | 8,647,797 | 112,298,865 | 589,101 | 2,357,330 | 8,595,072 | 34,797,654 | 8,190,306 | 54,018,763 |
| \$75,000 under \$100,000........ | 102,364 | 108,417 | 2,974,729 | 52,547,367 | 126,069 | 756,791 | 2,965,996 | 17,465,163 | 2,784,112 | 24,630,998 |
| \$100,000 under \$200,000...... | 44,164 | 47,600 | 2,212,435 | 59,493,997 | 53,669 | 648,706 | 2,201,208 | 20,601,301 | 2,002,231 | 26,677,259 |
| \$200,000 under \$500,000...... | 6,300 | 6,377 | 636,736 | 30,939,399 | 11,041 | 290,326 | 633,347 | 12,714,682 | 560,325 | 11,672,309 |
| \$500,000 under $\$ 1,000,000 .$. | 992 | 1,054 | 130,553 | 11,612,343 | 824 | 48.036 | 129,997 | 5,539,077 | 111,076 | 3,367,238 |
| \$1,000,000 or more.............. | 241 | 235 | 62,945 | 17,958,512 | 165 | 11,371 | 62,655 | 8,816,511 | 53,774 | 3,626,515 |
| T̈axable relurns, total.......... | 8,630,090 | 8,339,697 | 30,568,154 | 426,505,920 | 4,060,068 | 12,714,242 | 30,207,696 | 136,916,055 | 28,143,476 | 191,997,055 |
| Nontaxable returns, total..... | 2,415,604 | 2,367,083 | 1,589,007 | 25,873,901 | 978,451 | 8,449,398 | 1,389,287 | 3,039,190 | 1,212,553 | 11,501,816 |


| Size of adjusted gross income | Itemized deducions--Continued |  |  |  |  |  |  |  | Exemptions |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Contributions deduction |  | Moving expenses |  | Net miscellaneous deductions after limitation |  | Non-limited miscellaneous deductions |  |  |  |
|  | Number of returns | Amount | $\begin{aligned} & \text { Number } \\ & \text { of } \\ & \text { returns } \end{aligned}$ | Amount | Number of returns | Amount | Number of returns | Amount | $\begin{gathered} \text { Number } \\ \text { of } \\ \text { exemptions } \end{gathered}$ | Amount |
|  | (81) | (82) | (83) | (84) | (85) | (86) | (87) | (88) | (89) | (90) |
| All returns, total .............. | 29,289,803 | 57,244,799 | 906,749 | 4,190,970 | 7,381,263 | 23,242,025 | 747,378 | 2,339,138 | 227,788,630 | 466,542,389 |
| No adjusted gross income..... $\$ 1$ under $\$ 5,000$ | 111,931 | 44,268 | - | $\stackrel{\square}{-}$ | 59,988 | 30,501 | *5,222 | -12,243 | $1,536,024$ $13,025,247$ | $\begin{array}{r} 3,124,264 \\ 26,624,261 \end{array}$ |
| \$5,000 under \$10,000.............. | 406,622 | 400,192 | *3,279 | *5,402 | 124,463 | 223,265 | *15,565 | -23,053 | 22,209,505 | 45,472,437 |
| \$10,000 under \$15,000......... | 763,834 | 826,295 | *21,353 | *62,517 | 207,892 | 447,381 | 23,176 | 55,240 | 25,077,000 | 51,361,770 |
| \$15,000 under \$20,000.......... | 1,154,374 | 1,317,766 | 28,619 | 41,688 | 352,159 | 987,505 | 29,008 | 97.892 | 21,694,402 | 44,441,042 |
| \$20,000 under \$25,000......... | 1,522,843 | $\begin{aligned} & 1,902,372 \\ & 2,177,305 \end{aligned}$ | $\begin{aligned} & 39,812 \\ & 58,163 \end{aligned}$ | $\begin{array}{r} 99,274 \\ 171,028 \end{array}$ | $\begin{aligned} & 441,384 \\ & .530,616 \end{aligned}$ | $\begin{aligned} & 1,094,939 \\ & 1,251,959 \end{aligned}$ | $\begin{aligned} & 33,049 \\ & 70,113 \end{aligned}$ | $\begin{aligned} & 56,025 \\ & 98,716 \end{aligned}$ | $\begin{aligned} & 19,953,145 \\ & 17,696,413 \end{aligned}$ | $\begin{aligned} & 40,857,702 \\ & 36,243,726 \end{aligned}$ |
| \$25,000 under \$30,000......... | $1,929,151$ $4,584,788$ | 2,177,305 $\mathbf{5 , 5 3 8 , 0 7 5}$ | $\begin{aligned} & 58,163 \\ & 93,670 \end{aligned}$ | $\begin{aligned} & 171,028 \\ & 259,700 \end{aligned}$ | $\begin{array}{r} 530,616 \\ 1,231,587 \end{array}$ | $1,251,959$ $\mathbf{2 , 9 5 0 , 4 9 8}$ | 70,113 122,484 | 98,716 265,288 | $\begin{aligned} & 17,696,413 \\ & 30,780,912 \end{aligned}$ | $\begin{aligned} & 36,243,726 \\ & 63,086,996 \end{aligned}$ |
| \$40,000 under \$50,000.......... | 4,812,217 | 6,328,619 | 137,100 | 502,102 | 1,209,747 | 3,053,523 | 112,009 | 229,985 | 24,366,092 | 49,923,830 |
| \$50,000 under \$75,000......... | 8,203,757 | 13,661,776 | 251,180 | 1,130,102 | 1,977,473 | 5,888,144 | 193,155 | 384,921 | 32,343,837 | 66,275,976 |
| \$75,000 under \$100,000........ | 2,878,321 | 6,079,258 | 131,717 | 756,021 | 655,231 | 2,529,970 | 70,408 | 217,333 | 9,685,350 | 19,847,678 |
| \$100,000 under \$200,000...... | 2,136,315 | 7,350,211 | 117,066 | 886,151 | 474,754 | 2,835,756 | 52,443 | 363,757 | 6,899,009 | 14,136,489 |
| \$200,000 under \$500,000...... | 618,633 | 4,556,664 | 21,348 | 240,515 | 97,685 | 1,167,480 | 15,492 | 277,052 | 1,960,691 | 4,016,828 |
| \$500,000 under \$1,000,000... | 126,681 | 2,130,167 | 2,559 | 28,618 | 13,238 | 369,681 | 3,339 | 118,231 | 386,300 | 791,427 |
| \$1,000,000 or more............. | 61,537 | 4,931,831 | 887 | 7,854 | 5,046 | 423,422 | 1,914 | 139,402 | 174,703 | 357,966 |
| Taxable returns, total........... | 28,114,959 | 55,744,174 | 883,198 | 4,091,948 | 7,029,880 | 22,362,221 | 706,170 | 2,173,472 | 181,255,838 | 371,331,604 |
| Nontaxable returns, total..... | 1,174,844 | 1,500,628 | 23,554 | 00,022 | 351,383 | 679,804 | 41,209 | 185,668 | 46,532,792 | 95,210,785 |

[^3]Table 1.-Selected Income, Adjustments, Deductions, and Tax Items, by Size of Adjusted Gross Income--Continued [All figures are estimates based on samples--money amounts are in thousands of dollars]

| Size of adjusted gross income | Taxable income |  | Income tax before credits |  | Total tax credits |  | Income tax after credits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of retums | Amount | Number of retums | Amount | Number of returns | Arnount | Number of retums |
|  | (91) | (92) | (93) | (94) | (95) | (96) | (97) |
| All returns, total .............. | 93,335,506 | 2,280,920,40t | 93,273,365 | 457,392,600 | 12,527,029 | 6,584,438 | 89,998,191 |
| No adjusted gross income.... | - | -- | 740 | 553 | -173 | -328 | *660 |
| \$1 under \$5,000.................... | 5,004,274 | 3,360,505 | 4,943,595 | 538,057 | 58,060 | 762 | 4,908,625 |
| \$5,000 under \$10,000........... | 9,363,120 | 22,337,455 | 9,371,085 | 3,392,476 | 551,212 | 79,364 | 8,894,365 |
| \$10,000 under \$15,000.......... | 12,029,590 | 63,332,924 | 12,015,090 | 9,547,686 | 2,713,683 | 1,037,696 | 9,826,765 |
| \$15,000 under \$20,000......... | 11,201,532 | 102,763,996 | 11,201,532 | 15,454,941 | 3,109,429 | 1,075,240 | 10,703,105 |
| \$20,000 under \$25,000......... | 9,469,172 | 123,969,198 | 9,472,470 | 18,714,592 | 818,593 | 324,577 | 9,444,374 |
| \$25,000 under \$30,000......... | 7,770,077 | $133,798,936$ | 7,770,077 | 20,895,742 | 666,429 | 299,528 | 7,755,168 |
| \$30,000 under \$40,000......... | 12,228,106 | 280,250,725 | 12,228,780 | 45,713,643 | 1,188,361 | 509,270 | - 12,205,539 |
| \$40,000 under \$50,000......... | 8,831,383 | 271,039,265 | 8,831,386 | 45,376,061 | 967,405 | 460,845 | 8,825,847 |
| \$50,000 under \$75,000......... | 10,986,445 | 469,615,063 | 10,986,445 | 88,480,089 | 1,470,132 | 729,674 | 10,984,347 |
| \$75,000 under \$100,000..... | 3,277,883 | 205,948,094 | 3,277,883 | 44,770,654 | 459,931 | 304,078 | 3,276,997 |
| \$100,000 under \$200,000..... | 2,325,659 | 231,655,349 | 2,326,014 | 58,588,326 | 343,304 | 579,385 | 2,324,665 |
| \$200,000 under \$500,000..... | 652,016 | 155,981,580 | 652,019 | 44,752,427 | 125,233 | 472,395 | 651,605 |
| \$500,000 under \$1,000,000... | 132,684 | 76,927,565 | 132,684 | 21,834,161 | 34,205 | 247.873 | 132,612 |
| \$1,000,000 or more.............. | 63,565 | 139,939,746 | 63,565 | 39,333,191 | 20,877 | 463,425 | 63,519 |
| Taxable returns, total........... | 89,986,347 | 2,272,791,791 | 90,002,301 | 456,156,788 | 9,255,965 | 5,348,626 | 89,998,191 |
| Nontaxable returns, total..... | 3,349,159 | 8,128,609 | 3,271,064 | 1,235,812 | 3,271,064 | 1,235,812 | - |
| Size of adjusted gross income | Income tax after credits --Continued | Alternative minimum tax |  | Total income tax ${ }^{2}$ |  | Total tax liability ${ }^{\text {a }}$ |  |
|  | Amount | Number of returns | Amount | Number <br> of returns | Amount | Number of returns | Amount |
|  | (98) | (99) | (100) | (101) | (102) | (103) | (104) |
| All returns, total ............. | 450,808,162 | 118,610 | 616,598 | 90,012,176 | 451,424,760 | 92,251,046 | 472,131,977 |
| No adjusted gross income.... | *226 | 5,319 | 41,032 | 5,970 | 41,258 | 121,730 | 197,807 |
| \$1 under \$5,000................... | 537,297 | *4,561 | -3,134 | 4,910,444 | 540,431 | 5,759,992 | 872,139 |
| \$5,000 under \$10,000........... | 3,313,113 | -3,130 | -7.509 | 8,894,754 | 3,320,622 | 9,503,512 | 4,091,493 |
| \$10,000 under \$15,000......... | 8,509,990 | -6,020 | $\bullet 3,719$ | 9,827,303 | 8,513,709 | 10,222,266 | 9,594,936 |
| \$15,000 under \$20,000......... | 14,379,702 | *310 | "936 | 10,703,415 | 14,380,637 | 10,857,118 | 15,677,387 |
| \$20,000 under \$25,000.......... | 18,390,015 | -5,224 | *22,660 | 9,444,376 | 18,412,675 | 9,483,439 | 19,825,500 |
| \$25,000 under \$30,000......... | 20,596,215 | -3,290 | *2,187 | 7,755,192 | 20,598,402 | 7,793,414 | 21,987,348 |
| \$30,000 under \$40,000......... | 45,204,373 | -2,533 | *2,671 | 12,207,444 | 45,207,044 | 12,230,262 | 47,823,286 |
| \$40,000 under \$50,000......... | 44,915,216 | 4,927 | ${ }^{\text {' } 5,296}$ | 8,826,477 | 44,920,512 | 8,834,825 | 47,092,183 |
| \$50,000 under \$75,000......... | 87,750,415 | 17,312 | 46,781 | 10,985,287 | 87,797,196 | 10,990,515 | 91,757,052 |
| \$75,000 under \$100,000....... | 44,466,576 | 14,123 | 33,598 | 3,277,410 | 44,500,174 | 3,278,678 | 46,409,052 |
| \$100,000 under \$200,000...... | 58,008,941 | 28,815 | 115,647 | 2,325,658 | 58,124,588 | 2,326,542 | 60,542,872 |
| \$200,000 under \$500,000..... | 44,280,033 | 16,795 | 133,531 | 652,203 | 44,413,564 | 652,446 | $45,322,039$ |
| \$500,000 under \$1,000,000... | 21,586,289 | 4,236 | 87,392 | 132,671 | 21,673,680 | 132,721 | 21,842,916 |
| \$1,000,000 or more.............. | 38,869,766 | 2,015 | 110,505 | 63,575 | 38,980,271 | 63,584 | 39,095,968 |
| Taxable returns, total.......... | 450,808,162 | 118,610 | 616,598 | 90,012,176 | 451,424,760 | 90,012,176 | 470,396,452 |
| Nontaxable returns, total..... | - | - | - | - | - | 2,238,869 | 1,735,525 |

[^4]
[^0]:    * Individual Returns Analysis Section. Prepared under the direction of Jeff Hartzok, Chief.

[^1]:    n.a. - not available.
    ' Sources of adjusted gross income shown are incomplete.

[^2]:    Includes credits not shown separately.

[^3]:    Footnotes at end of table.

[^4]:    Estimate should be used with caution because of the small number of sample returns on which it is based
    1 Not included in adjusted gross income.
    2 Total income tax represents income tax after credits (including the earned income credit), plus alternative minimum tax.
    Total tax liability represents income tax affer credits (including the eamed income credit), plus alternative minimum tax, plus any other additional taxes, e.g., self-employment and penalty tax on qualified retirement plans.

    Note: Detail may not add to totals because of rounding.

