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# Montana Departmentof Revenue 

To:
From: Dan Dodds, Senior Economist
Date: $\quad$ March 20, 2013
Subject: Taxpayer impacts of HB 532
The following graphs show impacts of HB532 on groups of taxpayers. For each group, there are four graphs. The first shows the percent of returns with a tax increase of at least $5 \%$ or $\$ 50$, the percent with a tax decrease of at least $5 \%$ or $\$ 50$, and the percent with less than $5 \%$ or $\$ 50$ change. The second graph shows the average change in tax liability at different income levels. The third graph shows the same information as the second with the scale expanded to show more detail about changes for returns with low and middle incomes. The fourth graph shows the percentage change in tax liability at different income levels. Tables attached at the end show the data for each set of graphs.

The graphs show returns grouped by

- All Returns
- Filing status on 2011 return
o Head of Household,
o Joint,
o Married Separate, and
o Single
- Whether taxpayers have dependents
o Dependents, and
o No Dependents
- Age
o Returns with one taxpayer age 65 or older, and
o Returns with no taxpayer age 65 or older
- Capital Gains
o Returns with a net loss on the capital gains line,
o Returns with zero capital gains, and
o Returns with a net gain on the capital gains line,
- Deductions
o Returns with Itemized Deductions, and
o Returns taking the Standard Deduction

All Returns





## Returns Grouped by Filing Status














## \% With Increase, Decrease \& No Change Current Single Filers






Taxpayers Grouped by Whether They Claimed Dependents

## \% With Increase, Decrease \& No Change <br> Taxpayers with No Dependents










Taxpayers Grouped by Whether Age 65 and Older

## \% With Increase, Decrease \& No Change Taxpayers Under Age 65










Taxpayers Grouped by Whether Have Capital Gains, Losses, or Neither













Taxpayers Grouped by Whether Itemized or Took Standard Deduction









## Head of Household Returns

| Total Household Income | Number of Returns | $\%$ with Tax Increase > $5 \%$ or $\$ 50$ | $\%$ with Tax Decrease > $5 \%$ or $\$ 50$ | \% with <br> Change <br> $5 \%$ or $\$ 5$ |
| :---: | :---: | :---: | :---: | :---: |
| Less Than \$0 | 165 | 0\% | 0\% | 100\% |
| \$0,000-\$2,000 | 481 | 0\% | 0\% | 100\% |
| \$2,000-\$4,000 | 821 | 0\% | 0\% | 100\% |
| \$4,000-\$6,000 | 1,138 | 0\% | 0\% | 100\% |
| \$6,000-\$8,000 | 1,513 | 0\% | 0\% | 100\% |
| \$8,000- \$10,000 | 1,775 | 0\% | 1\% | 99\% |
| \$10,000- \$12,000 | 2,088 | 0\% | 12\% | 88\% |
| \$12,000-\$14,000 | 2,216 | 0\% | 41\% | 58\% |
| \$14,000-\$16,000 | 2,222 | 0\% | 63\% | 37\% |
| \$16,000-\$18,000 | 2,274 | 2\% | 71\% | 27\% |
| \$18,000-\$20,000 | 2,123 | 6\% | 73\% | 22\% |
| \$20,000-\$25,000 | 4,876 | 11\% | 68\% | 21\% |
| \$25,000-\$30,000 | 3,857 | 17\% | 61\% | 22\% |
| \$30,000-\$35,000 | 3,006 | 20\% | 58\% | 22\% |
| \$35,000-\$40,000 | 2,267 | 24\% | 54\% | 22\% |
| \$40,000-\$45,000 | 1,718 | 22\% | 53\% | 25\% |
| \$45,000-\$50,000 | 1,305 | 20\% | 56\% | 24\% |
| \$50,000-\$55,000 | 1,088 | 11\% | 62\% | 26\% |
| \$55,000-\$60,000 | 908 | 9\% | 73\% | 17\% |
| \$60,000-\$65,000 | 692 | 9\% | 77\% | 14\% |
| \$65,000-\$70,000 | 591 | 5\% | 84\% | 11\% |
| \$70,000-\$75,000 | 463 | 6\% | 86\% | 8\% |
| \$75,000-\$80,000 | 305 | 5\% | 86\% | 9\% |
| \$80,000-\$90,000 | 454 | 4\% | 87\% | 9\% |
| \$90,000-\$100,000 | 325 | 5\% | 91\% | 5\% |
| \$100,000- \$110,000 | 204 | 4\% | 93\% | 3\% |
| \$110,000-\$120,000 | 111 | 2\% | 95\% | 3\% |
| \$120,000-\$130,000 | 100 | 5\% | 93\% | 2\% |
| \$130,000-\$140,000 | 80 | 5\% | 95\% | 0\% |
| \$140,000-\$150,000 | 50 | 6\% | 90\% | 4\% |
| \$150,000-\$175,000 | 93 | 4\% | 95\% | 1\% |
| \$175,000-\$200,000 | 60 | 4\% | 95\% | 2\% |
| \$200,000-\$300,000 | 79 | 4\% | 96\% | 0\% |
| \$300,000-\$400,000 | 35 | 19\% | 81\% | 0\% |
| \$400,000-\$500,000 | 14 | 25\% | 75\% | 0\% |
| Over \$500,000 | 38 | 29\% | 71\% | 0\% |
| Total | 39,535 | 9\% | 52\% | 39\% |

Joint Returns
\% with Tax \% with Tax \% with

Separate Returns
\% with Tax \% with Tax Number of

Increase> Decrease> Change $\begin{array}{lllll}\text { Returns } & \text { Increase > } & \text { Decrease } & \text { Change } & \text { C } \$ 50 \\ 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50\end{array}$

Number of
 $\begin{array}{lllll}\text { Returns } & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50\end{array}$

Single Filers
$\%$ with Tax $\%$ with Tax $\%$ with

Number of Increase > Decrease > Change < $\begin{array}{cccc}\text { Number of } & \text { Increase > } & \text { Decrease > } & \text { Change < } \\ \text { Returns } & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50\end{array}$

All Returns
\% with Tax \% with Tax \% with mber of $\begin{aligned} & \% \text { with Tax } \quad \% \text { with Tax } \\ & \text { Increase > } \\ & \text { Decrease > }\end{aligned}$ Increase > Decrease >
$5 \%$
\% with



|  | Returns with No Dependents |  |  |  | Returns with Dependents |  |  |  | Returns with No Taxpayer Age 65 or Over |  |  |  | Returns with Taxpayer Age 65 or Over |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Household Income | Number of Returns | $\%$ with Tax <br> Increase > <br> $5 \%$ or $\$ 50$ | \% with Tax <br> Decrease > <br> $5 \%$ or $\$ 50$ | \% with <br> Change < <br> $5 \%$ or \$50 | Number of Returns | \% with Tax Increase > $5 \%$ or $\$ 50$ | \% with Tax <br> Decrease > <br> $5 \%$ or $\$ 50$ | \% with <br> Change < <br> $5 \%$ or $\$ 50$ | Number of Returns | \% with Tax <br> Increase > $5 \%$ or $\$ 50$ | \% with Tax <br> Decrease > <br> $5 \%$ or \$50 | $\%$ with <br> Change < <br> $5 \%$ or \$50 | Number of Returns | $\%$ with Tax <br> Increase > <br> $5 \%$ or $\$ 50$ | \% with Tax <br> Decrease > <br> $5 \%$ or $\$ 50$ | \% with <br> Change < <br> $5 \%$ or \$50 |
| Less Than \$0 | 5,215 | 0\% | 0\% | 100\% | 767 | 0\% | 0\% | 100\% | 3,684 | 0\% | 0\% | 100\% | 2,298 | 0\% | 0\% | 100\% |
| \$0,000-\$2,000 | 12,961 | 0\% | 0\% | 100\% | 805 | 0\% | 0\% | 100\% | 10,152 | 0\% | 0\% | 100\% | 3,614 | 0\% | 0\% | 100\% |
| \$2,000-\$4,000 | 13,747 | 0\% | 0\% | 100\% | 1,332 | 0\% | 0\% | 100\% | 12,764 | 0\% | 0\% | 100\% | 2,315 | 0\% | 0\% | 100\% |
| \$4,000-\$6,000 | 13,937 | 0\% | 8\% | 92\% | 1,813 | 0\% | 0\% | 100\% | 13,235 | 0\% | 9\% | 91\% | 2,515 | 0\% | 0\% | 100\% |
| \$6,000-\$8,000 | 13,736 | 0\% | 32\% | 68\% | 2,298 | 0\% | 0\% | 100\% | 13,164 | 0\% | 34\% | 66\% | 2,870 | 0\% | 0\% | 100\% |
| \$8,000-\$10,000 | 12,842 | 1\% | 58\% | 41\% | 2,640 | 0\% | 0\% | 100\% | 12,548 | 1\% | 59\% | 40\% | 2,934 | 2\% | 1\% | 98\% |
| \$10,000-\$12,000 | 12,297 | 7\% | 33\% | 60\% | 3,089 | 3\% | 8\% | 89\% | 12,258 | 5\% | 34\% | 61\% | 3,128 | 12\% | 2\% | 86\% |
| \$12,000-\$14,000 | 11,767 | 19\% | 21\% | 60\% | 3,304 | 8\% | 28\% | 64\% | 11,908 | 14\% | 28\% | 59\% | 3,163 | 27\% | 1\% | 72\% |
| \$14,000-\$16,000 | 11,218 | 51\% | 14\% | 34\% | 3,416 | 8\% | 45\% | 47\% | 11,470 | 41\% | 27\% | 33\% | 3,164 | 40\% | 2\% | 58\% |
| \$16,000-\$18,000 | 10,559 | 59\% | 4\% | 36\% | 3,481 | 7\% | 56\% | 37\% | 11,251 | 46\% | 21\% | 33\% | 2,789 | 45\% | 3\% | 51\% |
| \$18,000-\$20,000 | 10,321 | 65\% | 4\% | 31\% | 3,412 | 11\% | 59\% | 30\% | 11,104 | 50\% | 21\% | 29\% | 2,629 | 55\% | 5\% | 40\% |
| \$20,000-\$25,000 | 22,939 | 70\% | 13\% | 17\% | 8,508 | 16\% | 58\% | 26\% | 26,006 | 53\% | 29\% | 19\% | 5,441 | 70\% | 3\% | 26\% |
| \$25,000-\$30,000 | 19,400 | 57\% | 15\% | 28\% | 7,433 | 24\% | 52\% | 25\% | 22,105 | 41\% | 30\% | 29\% | 4,728 | 82\% | 2\% | 16\% |
| \$30,000-\$35,000 | 16,209 | 57\% | 16\% | 27\% | 6,601 | 30\% | 49\% | 21\% | 18,673 | 42\% | 31\% | 28\% | 4,137 | 83\% | 2\% | 14\% |
| \$35,000-\$40,000 | 13,668 | 62\% | 25\% | 13\% | 6,064 | 37\% | 43\% | 20\% | 16,401 | 48\% | 36\% | 16\% | 3,331 | 84\% | 3\% | 13\% |
| \$40,000-\$45,000 | 12,119 | 64\% | 26\% | 10\% | 5,604 | 41\% | 40\% | 19\% | 14,534 | 50\% | 36\% | 14\% | 3,189 | 84\% | 5\% | 12\% |
| \$45,000-\$50,000 | 10,792 | 65\% | 25\% | 10\% | 5,115 | 46\% | 38\% | 16\% | 13,042 | 53\% | 34\% | 13\% | 2,865 | 85\% | 7\% | 9\% |
| \$50,000-\$55,000 | 9,714 | 62\% | 23\% | 14\% | 4,930 | 48\% | 38\% | 14\% | 11,799 | 51\% | 34\% | 16\% | 2,845 | 84\% | 7\% | 9\% |
| \$55,000-\$60,000 | 8,546 | 63\% | 23\% | 14\% | 4,901 | 51\% | 37\% | 12\% | 10,892 | 52\% | 34\% | 14\% | 2,555 | 83\% | 9\% | 9\% |
| \$60,000-\$65,000 | 7,798 | 64\% | 26\% | 10\% | 4,536 | 50\% | 38\% | 12\% | 9,901 | 53\% | 36\% | 11\% | 2,433 | 82\% | 9\% | 9\% |
| \$65,000-\$70,000 | 7,051 | 66\% | 27\% | 7\% | 4,489 | 50\% | 38\% | 12\% | 9,219 | 53\% | 37\% | 9\% | 2,321 | 84\% | 9\% | 7\% |
| \$70,000-\$75,000 | 6,261 | 65\% | 28\% | 6\% | 4,134 | 48\% | 38\% | 14\% | 8,385 | 53\% | 38\% | 10\% | 2,010 | 83\% | 10\% | 7\% |
| \$75,000-\$80,000 | 5,674 | 67\% | 27\% | 6\% | 3,795 | 42\% | 39\% | 18\% | 7,561 | 50\% | 38\% | 12\% | 1,908 | 83\% | 11\% | 6\% |
| \$80,000-\$90,000 | 9,424 | 63\% | 29\% | 8\% | 6,943 | 36\% | 44\% | 20\% | 13,161 | 44\% | 41\% | 15\% | 3,206 | 82\% | 12\% | 6\% |
| \$90,000-\$100,000 | 7,198 | 55\% | 33\% | 11\% | 5,734 | 24\% | 57\% | 18\% | 10,605 | 32\% | 51\% | 17\% | 2,327 | 81\% | 15\% | 4\% |
| \$100,000-\$110,000 | 5,260 | 47\% | 40\% | 13\% | 4,480 | 16\% | 70\% | 14\% | 7,950 | 22\% | 63\% | 15\% | 1,790 | 73\% | 20\% | 7\% |
| \$110,000-\$120,000 | 3,863 | 37\% | 54\% | 10\% | 3,431 | 11\% | 80\% | 8\% | 6,000 | 15\% | 76\% | 9\% | 1,294 | 65\% | 26\% | 9\% |
| \$120,000-\$130,000 | 2,957 | 30\% | 63\% | 7\% | 2,525 | 8\% | 85\% | 6\% | 4,485 | 11\% | 83\% | 6\% | 997 | 61\% | 30\% | 9\% |
| \$130,000-\$140,000 | 2,062 | 24\% | 70\% | 6\% | 1,849 | 5\% | 91\% | 4\% | 3,208 | 8\% | 88\% | 4\% | 703 | 52\% | 40\% | 7\% |
| \$140,000-\$150,000 | 1,661 | 19\% | 75\% | 6\% | 1,344 | 6\% | 90\% | 4\% | 2,416 | 7\% | 89\% | 4\% | 589 | 43\% | 45\% | 12\% |
| \$150,000-\$175,000 | 2,813 | 17\% | 79\% | 4\% | 2,194 | 5\% | 93\% | 2\% | 3,930 | 6\% | 92\% | 2\% | 1,077 | 36\% | 56\% | 8\% |
| \$175,000-\$200,000 | 1,636 | 13\% | 85\% | 2\% | 1,221 | 4\% | 95\% | 1\% | 2,209 | 5\% | 94\% | 1\% | 648 | 24\% | 72\% | 5\% |
| \$200,000-\$300,000 | 2,807 | 14\% | 85\% | 1\% | 2,223 | 4\% | 95\% | 1\% | 3,862 | 5\% | 94\% | 1\% | 1,168 | 25\% | 72\% | 3\% |
| \$300,000-\$400,000 | 946 | 23\% | 75\% | 2\% | 791 | 12\% | 86\% | 1\% | 1,353 | 13\% | 85\% | 2\% | 384 | 37\% | 60\% | 3\% |
| \$400,000-\$500,000 | 463 | 20\% | 78\% | 2\% | 358 | 13\% | 86\% | 1\% | 641 | 12\% | 87\% | 2\% | 180 | 0\% | 0\% | 0\% |
| Over \$ $\$ 500,000$ | 967 | 24\% | 75\% | 1\% | 791 | 13\% | 86\% | 1\% | 1,359 | 15\% | 85\% | 1\% | 399 | 35\% | 64\% | 1\% |
| Total | 310,828 | 41\% | 23\% | 35\% | 126,351 | 25\% | 47\% | 27\% | 353,235 | 32\% | 36\% | 32\% | 83,944 | 54\% | 8\% | 38\% |

Taxpayers with Capital Losses
\% with Tax \% with Tax \% with

| Total Household Income | Number of Returns | $\%$ with $\operatorname{Tax}$ Increase > $5 \%$ or $\$ 50$ | $\%$ with Tax Decrease > $5 \%$ or $\$ 50$ | \% with Change $5 \%$ or \$5 |
| :---: | :---: | :---: | :---: | :---: |
| Less Than \$0 | 2,231 | 0\% | 0\% | 100\% |
| \$0,000-\$2,000 | 1,065 | 0\% | 0\% | 100\% |
| \$2,000-\$4,000 | 955 | 0\% | 0\% | 100\% |
| \$4,000-\$6,000 | 937 | 1\% | 1\% | 98\% |
| \$6,000-\$8,000 | 963 | 0\% | 10\% | 90\% |
| \$8,000-\$10,000 | 893 | 3\% | 18\% | 79\% |
| \$10,000-\$12,000 | 869 | 11\% | 7\% | 82\% |
| \$12,000-\$14,000 | 820 | 22\% | 4\% | 74\% |
| \$14,000-\$16,000 | 860 | 42\% | 5\% | 53\% |
| \$16,000-\$18,000 | 753 | 48\% | 6\% | 46\% |
| \$18,000-\$20,000 | 743 | 57\% | 6\% | 37\% |
| \$20,000-\$25,000 | 1,642 | 65\% | 7\% | 28\% |
| \$25,000-\$30,000 | 1,560 | 69\% | 7\% | 24\% |
| \$30,000-\$35,000 | 1,496 | 73\% | 9\% | 18\% |
| \$35,000-\$40,000 | 1,402 | 73\% | 13\% | 14\% |
| \$40,000-\$45,000 | 1,324 | 76\% | 13\% | 12\% |
| \$45,000-\$50,000 | 1,372 | 73\% | 15\% | 12\% |
| \$50,000-\$55,000 | 1,316 | 69\% | 17\% | 13\% |
| \$55,000-\$60,000 | 1,234 | 69\% | 20\% | 12\% |
| \$60,000-\$65,000 | 1,232 | 66\% | 21\% | 13\% |
| \$65,000-\$70,000 | 1,146 | 68\% | 22\% | 9\% |
| \$70,000-\$75,000 | 1,061 | 66\% | 24\% | 10\% |
| \$75,000-\$80,000 | 1,043 | 65\% | 27\% | 8\% |
| \$80,000-\$90,000 | 1,905 | 61\% | 29\% | 10\% |
| \$90,000-\$100,000 | 1,512 | 52\% | 36\% | 11\% |
| \$100,000-\$110,000 | 1,278 | 46\% | 44\% | 10\% |
| \$110,000-\$120,000 | 1,052 | 31\% | 62\% | 7\% |
| \$120,000-\$130,000 | 847 | 24\% | 69\% | 7\% |
| \$130,000-\$140,000 | 643 | 15\% | 79\% | 6\% |
| \$140,000-\$150,000 | 524 | 9\% | 84\% | 6\% |
| \$150,000-\$175,000 | 993 | 7\% | 89\% | 4\% |
| \$175,000-\$200,000 | 618 | 4\% | 95\% | 2\% |
| \$200,000-\$300,000 | 1,249 | 4\% | 95\% | 1\% |
| \$300,000-\$400,000 | 466 | 9\% | 89\% | 2\% |
| \$400,000-\$500,000 | 242 | 5\% | 94\% | 1\% |
| Over \$500,000 | 588 | 4\% | 95\% | 1\% |
| Total | 38,834 | 41\% | 27\% | 32\% |

Taxpayers with No Capital Gains
\% with Tax \% with Tax \% with $\begin{array}{ccccc}\text { Number of } & \text { \% with Tax } & \text { \% with Tax } & \% \text { with } \\ \text { Increase > } & \text { Decrease } & \text { Change < }\end{array}$

Taxpayers with Capital Gain
$\%$ with Tax $\%$ with Tax $\%$ with


Taxpayers Taking the Standard Deduction
$\begin{array}{cccc} & \text { \% with Tax } & \text { \% with Tax } & \text { \% with } \\ \text { Number of } & \text { Increase > } & \text { Decrease > } & \text { Change } \\ \text { Returns } & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50\end{array}$

Taxpayers with Itemized Deductions
\% with Tax \% with Tax \% with $\begin{array}{llll} & \% & \text { increase > } & \text { Decrease > }\end{array} \begin{array}{lll}\text { Change } \\ \text { Returns } & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50 \\ 5 \% & \text { or } \$ 50\end{array}$

| Tax as Percent of Income - Under and Over 65 |  |  |  |
| :---: | :---: | :---: | :---: |
| tax/Income Current Law |  |  |  |
| 6\% |  |  |  |
|  |  |  |  |
| 5\%- |  |  |  |
| 4\% |  |  |  |
| 3\% - |  |  |  |
| 2\% - |  |  |  |
| 1\% - |  |  |  |
|  |  |  |  |
| $\qquad$ |  |  |  |
| Tax as Percent of Income - Under and Over 65 |  |  |  |
| Tax/Income HB532 |  |  |  |
| 6\% |  |  |  |
| 5\% - $<$ |  |  |  |
| 4\% |  |  |  |
| 3\% |  |  |  |
| 2\% |  |  |  |
|  |  |  |  |
| —Under Age 65 —Age 65+ Total Household Income |  |  |  |

Impacts of HB 532 by Decile of Total Household Income

| Decile | Net Change in Tax Liability |  |  |  |  |  | \% Change in After Tax Income |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Income Range | \$ million | \% | \% Losers | \% Winners | \% Even |  |
| 0 | Less than \$0 | \$0.261 | 511\% | 0.1\% | 0.1\% | 97.9\% |  |
| 1 | \$0-\$5,815 | -\$0.358 | -93\% | 0.0\% | 2.0\% | 97.7\% | 0.26\% |
| 2 | \$5,816-\$11,290 | -\$1.673 | -72\% | 1.3\% | 35.1\% | 62.7\% | 0.40\% |
| 3 | \$11,291-\$17,144 | \$1.037 | 16\% | 27.8\% | 20.3\% | 47.1\% | -0.15\% |
| 4 | \$17,145-\$23,642 | \$4.012 | 29\% | 49.8\% | 20.6\% | 24.5\% | -0.42\% |
| 5 | \$23,643-\$31,729 | \$5.772 | 22\% | 46.5\% | 24.7\% | 24.1\% | -0.45\% |
| 6 | \$31,730-\$42,456 | \$6.727 | 15\% | 49.2\% | 27.0\% | 16.3\% | -0.39\% |
| 7 | \$42,457-\$56,355 | \$8.523 | 13\% | 52.7\% | 26.8\% | 12.0\% | -0.37\% |
| 8 | \$56,356-\$74,586 | \$9.675 | 10\% | 51.8\% | 27.0\% | 9.1\% | -0.34\% |
| 9 | \$74,587-\$103,203 | \$5.330 | 3\% | 38.9\% | 29.7\% | 10.3\% | -0.13\% |
| 10 | \$103,204 and Over | -\$33.876 | -7\% | 14.5\% | 63.4\% | 4.4\% | 0.34\% |

