## Financial Simulator <br> Retirement Income

Sample Simulation: Just retired with $\$ 325,000$ in investments in both taxable and tax deferred accounts, expect it to grow @7\% then more conservatively in 2027 , inflation of $2 \%$, some gains and income are taxable so reduce gains by $\mathbf{6 \%}$ to simulate tax effects on taxable gains and income, start withdrawing $\mathbf{\$ 1 5 , 0 0 0}$ /year from tax deferred account in 2019 , increase by $\$ 4,000$ every six years. Tax on withdrawals @15\%.

| Information | Amount | Year |  |
| :---: | :---: | :---: | :---: |
| Current Value of Investment | \$325,000 | From | To |
| Expected Rate of Return | 7.00\% | 2017 | 2026 |
| Expected Rate of Return | 5.00\% | 2027 | 2046 |
| Annual Investments |  | From | To |
| Investment |  |  |  |
| Investment |  |  |  |
| Investment |  |  |  |
| Investment |  |  |  |
| Est. \% Tax on Gain | 6\% |  |  |
| One Time Investments |  | Year |  |
| Investment |  |  |  |
| Investment |  |  |  |
| Investment |  |  |  |


|  | Amount |
| :---: | :---: |
| Inflation Rate. | $2 \%$ |


| Year | For Annual Gain calculations Investments and Payments are added at the end of the year and Withdrawals are removed at the beginning of the year. Withdrawals and Payments, enter as a positive number. |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Taxes on |  |  | Rate of | Annual | Est. \% Tax on Gain | Taxes on <br> Annual Gain |  <br> Payments | Assets <br> Year End | Inflation | Inflation <br> Adjusted. |
|  | Withdrawals | Withdrawals | Net | Return | Gain |  |  |  |  |  |  |
| 2017 | \$0 | \$0 | \$0 | 7.0\% | \$22,750 | 6\% | \$1,365 | \$0 | \$346,385 | 2.0\% | \$339,593 |
| 2018 | \$0 | \$0 | \$0 | 7.0\% | \$24,247 | 6\% | \$1,455 | \$0 | \$369,177 | 2.0\% | \$354,842 |
| 2019 | \$15,000 | \$2,250 | \$12,750 | 7.0\% | \$24,792 | 6\% | \$1,488 | \$0 | \$377,482 | 2.0\% | \$355,710 |
| 2020 | \$15,000 | \$2,250 | \$12,750 | 7.0\% | \$25,374 | 6\% | \$1,522 | \$0 | \$386,333 | 2.0\% | \$356,912 |
| 2021 | \$15,000 | \$2,250 | \$12,750 | 7.0\% | \$25,993 | 6\% | \$1,560 | \$0 | \$395,767 | 2.0\% | \$358,458 |
| 2022 | \$15,000 | \$2,250 | \$12,750 | 7.0\% | \$26,654 | 6\% | \$1,599 | \$0 | \$405,822 | 2.0\% | \$360,358 |
| 2023 | \$15,000 | \$2,250 | \$12,750 | 7.0\% | \$27,358 | 6\% | \$1,641 | \$0 | \$416,538 | 2.0\% | \$362,621 |
| 2024 | \$15,000 | \$2,250 | \$12,750 | 7.0\% | \$28,108 | 6\% | \$1,686 | \$0 | \$427,959 | 2.0\% | \$365,259 |
| 2025 | \$19,000 | \$2,850 | \$16,150 | 7.0\% | \$28,627 | 6\% | \$1,718 | \$0 | \$435,868 | 2.0\% | \$364,715 |
| 2026 | \$19,000 | \$2,850 | \$16,150 | 7.0\% | \$29,181 | 6\% | \$1,751 | \$0 | \$444,298 | 2.0\% | \$364,479 |
|  | \$128,000 |  | \$108,800 |  | \$263,083 |  | \$15,785 | \$0 |  |  |  |
| 2027 | \$19,000 | \$2,850 | \$16,150 | 5.0\% | \$21,265 | 6\% | \$1,276 | \$0 | \$445,287 | 2.0\% | \$358,128 |
| 2028 | \$19,000 | \$2,850 | \$16,150 | 5.0\% | \$21,314 | 6\% | \$1,279 | \$0 | \$446,323 | 2.0\% | \$351,922 |
| 2029 | \$19,000 | \$2,850 | \$16,150 | 5.0\% | \$21,366 | 6\% | \$1,282 | \$0 | \$447,407 | 2.0\% | \$345,860 |
| 2030 | \$19,000 | \$2,850 | \$16,150 | 5.0\% | \$21,420 | 6\% | \$1,285 | \$0 | \$448,542 | 2.0\% | \$339,939 |
| 2031 | \$23,000 | \$3,450 | \$19,550 | 5.0\% | \$21,277 | 6\% | \$1,277 | \$0 | \$445,542 | 2.0\% | \$331,045 |
| 2032 | \$23,000 | \$3,450 | \$19,550 | 5.0\% | \$21,127 | 6\% | \$1,268 | \$0 | \$442,402 | 2.0\% | \$322,266 |
| 2033 | \$23,000 | \$3,450 | \$19,550 | 5.0\% | \$20,970 | 6\% | \$1,258 | \$0 | \$439,114 | 2.0\% | \$313,599 |
| 2034 | \$23,000 | \$3,450 | \$19,550 | 5.0\% | \$20,806 | 6\% | \$1,248 | \$0 | \$435,671 | 2.0\% | \$305,039 |
| 2035 | \$23,000 | \$3,450 | \$19,550 | 5.0\% | \$20,634 | 6\% | \$1,238 | \$0 | \$432,067 | 2.0\% | \$296,584 |
| 2036 | \$23,000 | \$3,450 | \$19,550 | 5.0\% | \$20,453 | 6\% | \$1,227 | \$0 | \$428,293 | 2.0\% | \$288,229 |
|  | \$214,000 |  | \$181,900 |  | \$210,633 |  | \$12,638 | \$0 |  |  |  |
| 2037 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$20,065 | 6\% | \$1,204 | \$0 | \$420,154 | 2.0\% | \$277,207 |
| 2038 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$19,658 | 6\% | \$1,179 | \$0 | \$411,632 | 2.0\% | \$266,260 |
| 2039 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$19,232 | 6\% | \$1,154 | \$0 | \$402,709 | 2.0\% | \$255,381 |
| 2040 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$18,785 | 6\% | \$1,127 | \$0 | \$393,368 | 2.0\% | \$244,565 |
| 2041 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$18,318 | 6\% | \$1,099 | \$0 | \$383,587 | 2.0\% | \$233,808 |
| 2042 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$17,829 | 6\% | \$1,070 | \$0 | \$373,347 | 2.0\% | \$223,104 |
| 2043 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$17,317 | 6\% | \$1,039 | \$0 | \$362,625 | 2.0\% | \$212,448 |
| 2044 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$16,781 | 6\% | \$1,007 | \$0 | \$351,399 | 2.0\% | \$201,835 |
| 2045 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$16,220 | 6\% | \$973 | \$0 | \$339,646 | 2.0\% | \$191,259 |
| 2046 | \$27,000 | \$4,050 | \$22,950 | 5.0\% | \$15,632 | 6\% | \$938 | \$0 | \$327,341 | 2.0\% | \$180,715 |
|  | \$270,000 |  | \$229,500 |  | \$179,838 |  | \$10,790 | \$0 |  |  |  |

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