



Portfolio allocations

For a low-cost core allocation

■ Equity Cap-Weighted¹ ■ Fixed Income²

Conservative ← → Aggressive



| Asset | Product | Ticker | Expense Ratio | 8/92 | 16/84 | 24/76 | 32/68 | 40/60 | 48/52 | 56/44 | 64/36 | 72/28 | 80/20 | 88/12 | 96/4 |
|---|--------------------------------------|--------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Domestic Equity | Schwab U.S. Large-Cap ETF™ | SCHX | 0.03% | 6.0% | 11.9% | 15.6% | 20.4% | 24.5% | 28.3% | 32.4% | 36.5% | 40.0% | 43.3% | 46.2% | 49.2% |
| | Schwab U.S. Small-Cap ETF™ | SCHA | 0.04% | – | – | 1.2% | 1.8% | 2.2% | 2.8% | 3.4% | 4.0% | 4.9% | 5.9% | 7.0% | 8.0% |
| International Equity | Schwab International Equity ETF™ | SCHF | 0.06% | 2.0% | 4.1% | 6.0% | 8.2% | 11.3% | 13.0% | 15.3% | 17.4% | 19.6% | 21.8% | 24.1% | 26.4% |
| | Schwab Emerging Markets Equity ETF™ | SCHE | 0.13% | – | – | – | – | – | 1.5% | 2.1% | 2.9% | 3.9% | 5.0% | 6.3% | 7.6% |
| Real Assets | Schwab U.S. REIT ETF™ | SCHH | 0.07% | – | – | 1.2% | 1.6% | 2.0% | 2.4% | 2.8% | 3.2% | 3.6% | 4.0% | 4.4% | 4.8% |
| Fixed Income | Schwab U.S. Aggregate Bond ETF™ | SCHZ | 0.04% | 54.8% | 51.2% | 46.3% | 42.5% | 38.4% | 35.6% | 31.8% | 27.0% | 22.1% | 16.0% | 8.0% | – |
| | Schwab U.S. TIPS ETF™ | SCHP | 0.05% | 9.2% | 8.3% | 7.6% | 6.8% | 6.0% | 3.6% | 1.9% | 1.0% | – | – | – | – |
| | Schwab Short-Term U.S. Treasury ETF™ | SCHO | 0.06% | 24.0% | 20.5% | 18.1% | 14.7% | 11.6% | 8.8% | 6.3% | 4.0% | 1.9% | – | – | – |
| Cash | Cash / Cash Equivalents* | – | 0.14% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% |
| Average-Weighted Expense Ratio** | | | | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% | 0.05% |

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1. Equity Cap-Weighted includes Real Assets.

2. Fixed Income includes Cash.

*Cash/Cash Equivalents are provided in a set amount designed to meet levels typically required by various platform and model portfolio providers. They do not represent CSIM's view on appropriate cash allocation for any particular client, and should be adjusted based on applicable circumstances. Expenses are assumed to be 0.14%.

**Average-Weighted Expense Ratios as of March 11, 2019, Charles Schwab Investment Management. Expense ratios may change without notice.



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Portfolio allocations

For enhanced risk/return potential

■ Equity Cap-Weighted¹ ■ Strategic Beta² ■ Fixed Income³

Conservative ← → Aggressive



| Asset | Product | Ticker | Expense Ratio | 6/2/92 | 11/5/84 | 17/7/76 | 23/9/68 | 29/11/60 | 34/14/52 | 40/16/44 | 44/20/36 | 50/22/28 | 55/25/20 | 61/27/12 | 66/30/4 |
|----------------------|---|--------|---------------|--------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|---------|
| Domestic Equity | Schwab U.S. Large-Cap ETF™ | SCHX | 0.03% | 3.0% | 5.9% | 7.8% | 10.2% | 12.3% | 14.2% | 16.2% | 18.2% | 20.0% | 21.6% | 23.1% | 24.6% |
| | Schwab U.S. Large-Cap Growth ETF™ | SCHG | 0.04% | 1.2% | 2.4% | 3.1% | 4.1% | 4.9% | 5.6% | 6.5% | 7.3% | 8.0% | 8.7% | 9.2% | 9.8% |
| | Schwab U.S. Small-Cap ETF™ | SCHA | 0.04% | – | – | 1.2% | 1.8% | 2.2% | 1.8% | 2.2% | 2.6% | 3.2% | 3.8% | 4.5% | 5.2% |
| | Schwab Fundamental U.S. Large Co Index ETF™ | FNDX | 0.25% | 1.8% | 3.6% | 4.7% | 6.1% | 7.3% | 8.5% | 9.7% | 11.0% | 12.0% | 13.0% | 13.9% | 14.8% |
| | Schwab Fundamental U.S. Small Co Index ETF™ | FNDA | 0.25% | – | – | – | – | – | 1.0% | 1.2% | 1.4% | 1.7% | 2.1% | 2.5% | 2.8% |
| International Equity | Schwab International Equity ETF™ | SCHF | 0.06% | 2.0% | 2.7% | 3.9% | 5.4% | 7.4% | 8.5% | 9.9% | 11.3% | 12.7% | 14.1% | 15.6% | 17.1% |
| | Schwab Emerging Markets Equity ETF™ | SCHE | 0.13% | – | – | – | – | – | 1.5% | 2.1% | 1.7% | 2.3% | 3.0% | 3.8% | 4.6% |
| | Schwab Fundamental International Large Co Index ETF™ | FNDF | 0.25% | – | 1.4% | 2.1% | 2.8% | 3.9% | 4.5% | 5.4% | 6.1% | 6.9% | 7.7% | 8.5% | 9.3% |
| | Schwab Fundamental Emerging Markets Large Co Index ETF™ | FNDE | 0.39% | – | – | – | – | – | – | – | 1.2% | 1.6% | 2.0% | 2.5% | 3.0% |
| Real Assets | Schwab U.S. REIT ETF™ | SCHH | 0.07% | – | – | 1.2% | 1.6% | 2.0% | 2.4% | 2.8% | 3.2% | 3.6% | 4.0% | 4.4% | 4.8% |
| Fixed Income | Schwab U.S. Aggregate Bond ETF™ | SCHZ | 0.04% | 54.8% | 51.2% | 46.3% | 42.5% | 38.4% | 35.6% | 31.8% | 27.0% | 22.1% | 16.0% | 8.0% | – |
| | Schwab U.S. TIPS ETF™ | SCHP | 0.05% | 9.2% | 8.3% | 7.6% | 6.8% | 6.0% | 3.6% | 1.9% | 1.0% | – | – | – | – |
| | Schwab Short-Term U.S. Treasury ETF™ | SCHO | 0.06% | 24.0% | 20.5% | 18.1% | 14.7% | 11.6% | 8.8% | 6.3% | 4.0% | 1.9% | – | – | – |
| Cash | Cash / Cash Equivalent* | – | 0.14% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% | 4.0% |

Average-Weighted Expense Ratio** 0.05% 0.06% 0.06% 0.07% 0.07% 0.08% 0.08% 0.09% 0.10% 0.10% 0.11% 0.12%

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1. Equity Cap-Weighted includes Real Assets.
2. In this allocation, strategic beta is represented by Fundamental Index strategies. Other strategic beta strategies may be appropriate for a client's particular situation.
3. Fixed Income includes Cash.

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**Average-Weighted Expense Ratios as of March 11, 2019, Charles Schwab Investment Management. Expense ratios may change without notice.



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Portfolio allocations

To further expand risk/return profile

■ Equity Cap-Weighted¹ ■ Active + Strategic Beta² ■ Fixed Income³

Conservative ← → Aggressive



| Asset Class | Strategy | Ticker | 6/2/92 | 9/7/84 | 14/10/76 | 19/13/68 | 23/17/60 | 28/20/52 | 31/25/44 | 33/31/36 | 35/37/28 | 38/42/20 | 41/47/12 | 43/53/4 |
|----------------------|---------------------------------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|----------------|-------------|
| Domestic Equity | U.S. Large-Cap Stocks | | 6.0 | 11.9 | 15.6 | 20.4 | 24.5 | 28.3 | 32.4 | 36.5 | 40.0 | 43.3 | 46.2 | 49.2 |
| | Equity Cap-Weighted | SCHX | 3.6 | 7.1 | 9.1 | 11.7 | 13.8 | 15.7 | 17.7 | 19.6 | 21.1 | 22.5 | 23.5 | 24.6 |
| | Active + Fundamental Index | | 2.4 | 4.8 | 6.5 | 8.7 | 10.7 | 12.6 | 14.7 | 16.9 | 18.9 | 20.8 | 22.7 | 24.6 |
| | Fundamental Index (Max to Min) | FNDX | 1.4-1.2 | 3.6-2.4 | 4.9-3.1 | 6.5-4.1 | 8.0-4.9 | 9.4-5.5 | 11.0-6.1 | 12.7-6.6 | 14.2-7.1 | 15.6-7.6 | 17.0-8.0 | 18.4-8.6 |
| | Active* (Min to Max) | Active* | 1.0-1.2 | 1.2-2.4 | 1.6-3.4 | 2.2-4.6 | 2.7-5.8 | 3.2-7.1 | 3.7-8.6 | 4.2-10.3 | 4.7-11.8 | 5.2-13.2 | 5.7-14.7 | 6.2-16.0 |
| | U.S. Small-Cap Stocks | | - | - | 1.2 | 1.8 | 2.2 | 2.8 | 3.4 | 4.0 | 4.9 | 5.9 | 7.0 | 8.0 |
| | Equity Cap-Weighted | SCHA | - | - | 1.2 | 1.8 | 2.2 | 2.8 | 3.4 | 4.0 | 4.9 | 5.9 | 7.0 | 8.0 |
| | Active + Fundamental Index | | - | - | - | - | - | - | 1.0 | 2.2 | 2.8 | 3.5 | 4.3 | 5.2 |
| International Equity | International Large-Cap | | 2.0 | 4.1 | 6.0 | 8.2 | 11.3 | 13.0 | 15.3 | 17.4 | 19.6 | 21.8 | 24.1 | 26.4 |
| | Equity Cap-Weighted | SCHF | 2.0 | 1.9 | 2.6 | 3.5 | 4.7 | 5.3 | 6.0 | 6.8 | 7.5 | 8.1 | 8.7 | 9.3 |
| | Active + Fundamental Index | | - | 2.2 | 3.4 | 4.7 | 6.6 | 7.7 | 9.3 | 10.6 | 12.1 | 13.7 | 15.4 | 17.1 |
| | Fundamental Index (Max to Min) | FNDF | - | 2.2-1.2 | 2.4-1.8 | 3.3-2.4 | 4.6-3.2 | 5.4-3.5 | 6.5-4.0 | 7.4-4.3 | 8.5-4.7 | 9.6-5.0 | 10.8-5.5 | 12.0-6.0 |
| | Active* (Min to Max) | Active* | - | 0.0-1.0 | 1.0-1.6 | 1.4-2.3 | 2.0-3.4 | 2.3-4.2 | 2.8-5.3 | 3.2-6.3 | 3.6-7.4 | 4.1-8.7 | 4.6-9.9 | 5.1-11.1 |
| | International Emerging Markets | | - | - | - | - | - | 1.5 | 2.1 | 2.9 | 3.9 | 5.0 | 6.3 | 7.6 |
| | Equity Cap-Weighted | SCHE | - | - | - | - | - | 1.5 | 2.1 | 2.9 | 3.9 | 5.0 | 6.3 | 7.6 |
| | Active + Fundamental Index | | - | - | - | - | - | - | - | 1.0 | 2.7 | 3.5 | 4.6 | 5.7 |
| Real Assets | REITs | SCHH | - | - | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.6 | 4.0 | 4.4 | 4.8 |
| | Core Bonds (SCHZ + Active*) | | 54.8 | 51.2 | 46.3 | 42.5 | 38.4 | 35.6 | 31.8 | 27.0 | 22.1 | 16.0 | 8.0 | - |
| Fixed Income | Passive (Max to Min) | SCHZ | 27.4-21.9 | 25.6-19.8 | 23.2-16.8 | 21.3-14.7 | 19.2-12.6 | 17.8-11.0 | 15.9-9.2 | 13.5-7.4 | 11.0-5.6 | 8.0-3.7 | 4.0-1.8 | - |
| | Active* (Min to Max) | Active* | 27.4-32.9 | 25.6-31.4 | 23.1-29.5 | 21.2-27.8 | 19.2-25.8 | 17.8-24.6 | 15.9-22.6 | 13.5-19.6 | 11.1-16.5 | 8.0-12.3 | 4.0-6.2 | - |
| | TIPS | SCHP | 9.2 | 8.3 | 7.6 | 6.8 | 6.0 | 3.6 | 1.9 | 1.0 | - | - | - | - |
| | Short-Term Treasury | SCHO | 24.0 | 20.5 | 18.1 | 14.7 | 11.6 | 8.8 | 6.3 | 4.0 | 1.9 | - | - | - |
| Cash | Cash | - | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |

All data expressed as percentages.

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2. In this allocation, strategic beta is represented by Fundamental Index strategies. Other strategic beta strategies may be appropriate for a client's particular situation.
3. Includes cash and active fixed income.

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