



Vanguard ETF strategic model portfolios offer:

- Broad-market equity and investment-grade¹ fixed income exposure, encompassing more than 27,000 global stocks and bonds.
- Diversified index investments that can help alleviate active manager risk in portfolios through lower return variability and low turnover.
- ETFs for potential tax efficiency, transparency, and low costs.
- Remarkably low costs, with weighted average expense ratios at 0.04%, enabling investors to keep more of their returns.
- Vanguard's 40+ years of experience in portfolio construction and indexing.

Strategic asset allocation by product			Asset allocation (%) ²	■ Equity / ■ Fixed income		
As of March 31, 2022						
		Expense				
Vanguard ETF	Ticker	ratio ³	20/80			
Domestic equity						
Total Stock Market	VTI	0.03%	11.8%			
International equity						
Total International Stock	VXUS	0.07%	7.8%			
Domestic fixed income						
Total Bond Market	BND	0.035%	54.9%			
International fixed income						
Total International Bond	BNDX	0.07%	23.5%			
Money market fund			2.0%			
Weighted average expense ratio			0.04%			

¹ A bond whose credit quality is considered to be among the highest by independent bond-rating agencies.

² The weights were determined based on market characteristics, Vanguard philosophy, and the availability of the ETFs in the Vanguard lineup. Some of the investable universe may be lost when moving from a broad ETF to a group of narrower ETFs. Portfolio weights were determined by dividing the market value of the underlying benchmark by the total market value of all the underlying benchmarks within the asset group. Because of rounding, weights may not add up to 100%.

³ As reported in each ETF's most recent prospectus as of March 31, 2022. The current expense ratio may be higher or lower than the figure shown. Source: Vanguard calculations using data from FactSet.

Sub-asset allocation by category	Asset allocation (%)1	■ Equity / ■ Fixed income
As of March 31, 2022	6	
	20/80	
Domestic equity		
Equity—U.S. large-cap	8.2%	
Equity—U.S. mid-cap	2.6%	
Equity—U.S. small-cap	1.0%	
International equity		
Equity—Intl. developed markets	5.8%	
Equity—Intl. emerging markets	2.0%	
Domestic fixed income		
Fixed income — U.S. Treasury	24.9%	
Fixed income – U.S. government-related	11.1%	
Fixed income—U.S. corporate	15.0%	
Fixed income – U.S. securitized	1.4%	
Fixed income — Other	0.5%	
International fixed income		
Fixed income—International	25.5%	
Money market fund	2.0%	

¹ The weights for each model portfolio were determined using prior month product-level characteristic data and current month strategic allocations by product according to the "as-of" date provided, whereby a weighted average calculation is then applied in order to derive the sub-asset allocation percentage listed. Sub-asset allocations by category are provided for informational purposes only and are not intended to be utilized for constructing portfolios. Because of rounding, weights may not add up to 100%.

100.0%

Source: Vanguard.

Total

	20/80
Pre-tax	-5.52%
After-tax	-5.62%
Pre-tax	-5.52%
After-tax	-5.62%
Pre-tax	-2.16%
After-tax	-3.00%
Pre-tax	3.97%
After-tax	3.07%
Pre-tax	4.16%
After-tax	3.21%
Pre-tax	4.11%
After-tax	3.16%
Pre-tax	4.27%
After-tax	3.33%
·	1/1/2012
	After-tax Pre-tax After-tax

The performance data shown represent past performance, which is not a quarantee of future results, and reflect the performance of the underlying products that comprise our strategies and our investment allocation methodology. Investment returns and principal value will fluctuate, so an investor's ETF shares, when sold, may be worth more or less than their original cost. Current performance may be higher or lower than the performance data cited. Performance of the model ETF components is based on net asset value (NAV) return and assumes a semi-annual rebalance from January 2010 through December 2012, a quarterly rebalance from January 2013 through December 2013, and a monthly rebalance thereafter. Performance figures assume the reinvestment of dividends and capital gains distributions, and are net of expenses of the underlying funds. All figures are for periods ended March 31, 2022, except where noted. Performance figures for periods of less than one year are cumulative returns.

*The model portfolio performance data are calculated by obtaining the weighted monthly returns of the strategy component holdings for each period and are based upon the historical asset allocations at the beginning of each month during the periods shown, which may differ from the current allocation. The holdings comprising the strategies and the allocations to those holdings have changed over time and may change in the future. The historical model performance has not been adjusted to reflect current allocations. Model performance does not reflect any transaction costs that an investor may incur in implementing the models.

Please see last page for important information about after-tax returns.

As of March 31, 2022

Vanguard ETF	Ticker	Expense ratio ¹		Quarter	Year-to-date	1 year	3 year	5 year	10 year	Since inception	Inception date
Total International Bond	BNDX	0.07%	NAV	-5.00%	-5.00%	-4.87%	0.57%	2.03%	_	2.75%	05/31/2013
			Market price	-4.79%	-4.79%	-4.78%	0.63%	2.05%	_	2.79%	
Total Bond Market	BND	0.035%	NAV	-5.94%	-5.94%	-4.08%	1.69%	2.14%	2.20%	3.53%	04/03/2007
			Market price	-5.85%	-5.85%	-4.12%	1.69%	2.14%	2.19%	3.52%	
Total International Stock	VXUS	0.07%	NAV	-6.07%	-6.07%	-1.78%	7.81%	6.82%	5.82%	4.60%	01/26/2011
			Market price	-5.85%	-5.85%	-1.76%	7.85%	6.78%	5.80%	4.61%	
Total Stock Market	VTI	0.03%	NAV	-5.45%	-5.45%	11.67%	18.14%	15.36%	14.24%	8.63%	05/24/2001
			Market price	-5.37%	-5.37%	11.71%	18.18%	15.39%	14.25%	8.64%	
Money market fund ²				0.03%	0.03%	0.06%	0.76%	1.09%	0.60%	_	

Annualized

¹ As reported in each ETF's most recent prospectus as of March 31, 2022. The current expense ratio may be higher or lower than the figure shown.

² The FTSE 3-Month T-Bill Index is used to represent performance of a money market fund. The model performance does not include performance of any specific money market fund.



P.O. Box 2900 Valley Forge PA 19482-2900

Important after-tax performance information

Vanguard after-tax returns

After-tax returns are calculated using the highest individual federal income tax rates in effect at the time of each distribution. They do not reflect the impact of state and local taxes. You also should know that:

- Your after-tax return depends on your individual tax situation and may differ from the figures presented here.
- If you own fund or exchange-traded funds (ETF) shares in a tax-deferred account such as an IRA or 401(k) plan, this information does not apply to your investment because these accounts are not subject to current taxes.
- After-tax returns for Vanguard funds and ETFs reflect the reduced tax rates on ordinary income, qualified dividend income, and short-term and longterm capital gains that went into effect in 2003.
- After-tax returns for non-Vanguard funds and ETFs are provided by
 Morningstar, Inc., based on data provided by the fund companies. Recent
 changes in tax law may cause after-tax returns to be calculated
 inconsistently across different fund families. Accordingly, after-tax returns
 for peer groups have been removed.
- Past performance, whether before or after taxes, does not guarantee future results.
- If a fund or ETF incurs a loss that generates a tax benefit, the postliquidation after-tax return may exceed the fund's or ETF's other return figures.
- After-tax returns are quarter-end adjusted for fees and loads, if applicable.

After-tax returns for most funds and ETFs are calculated using the tax liability implied by each fund's or ETF's declared distributions. However, the exact tax characteristics of many distributions are not known until after the close of the calendar year.

For more information on Vanguard funds and Vanguard ETFs, contact your financial advisor to obtain a prospectus or, if available, a summary prospectus. Investment objectives, risks, charges, expenses, and other important information are contained in the prospectus; read and consider it carefully before investing.

Vanguard ETF Shares are not redeemable with the issuing Fund other than in very large aggregations worth millions of dollars. Instead, investors must buy and sell Vanguard ETF Shares in the secondary market and hold those shares in a brokerage account. In doing so, the investor may incur brokerage commissions and may pay more than net asset value when buying and receive less than net asset value when selling. All Vanguard ETFs are subject to risk, including the possible loss of the money you invest.

Model performance results are hypothetical and may have inherent limitations, some of which are described in this brochure. No representation is being made that any account will or is likely to achieve profits or losses similar to those shown. There are numerous other factors related to the markets in general or to the implementation of any specific trading strategy which cannot be fully accounted for in the preparation of model performance results and all of which can adversely affect actual trading results.

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Strategic asset allocation by product			Asset allocation (%) ²	■ Equity / ■ Fixed income		
As of March 31, 2022						
		Expense				
Vanguard ETF	Ticker	ratio ³	40/60			
Domestic equity						
Total Stock Market	VTI	0.03%	23.5%			
International equity						
Total International Stock	VXUS	0.07%	15.7%			
Domestic fixed income						
Total Bond Market	BND	0.035%	41.2%			
International fixed income						
Total International Bond	BNDX	0.07%	17.6%			
Money market fund			2.0%			
Weighted average expense ratio			0.04%			

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Sub-asset allocation by category	Asset allocation (%)1	■ Equity / ■ Fixed income
As of March 31, 2022		
	40/60	
Domestic equity		
Equity—U.S. large-cap	16.4%	
Equity—U.S. mid-cap	5.2%	
Equity—U.S. small-cap	2.0%	
International equity		
Equity—Intl. developed markets	11.6%	
Equity—Intl. emerging markets	4.1%	
Domestic fixed income		
Fixed income — U.S. Treasury	18.7%	
Fixed income – U.S. government-related	8.3%	
Fixed income—U.S. corporate	11.3%	
Fixed income – U.S. securitized	1.1%	
Fixed income – Other	0.4%	
International fixed income		
Fixed income—International	19.1%	
Money market fund	2.0%	

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100.0%

Source: Vanguard.

Total

Quarter	Pre-tax	-5.52%
	After-tax	-5.60%
Year-to-date	Pre-tax	-5.52%
	After-tax	-5.60%
1 year	Pre-tax	-0.10%
	After-tax	-0.87%
3 year (annualized)	Pre-tax	6.51%
(annualized)	After-tax	5.69%
5 year	Pre-tax	6.15%
(annualized)	After-tax	5.29%
10 year	Pre-tax	5.88%
(annualized)	After-tax	5.02%
Since inception (annualized)	Pre-tax	6.25%
(annualized)	After-tax	5.39%
Inception date		1/1/2012

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As of March 31, 2022

Vanguard ETF	Ticker	Expense ratio ¹		Quarter	Year-to-date	1 year	3 year	5 year	10 year	Since inception	Inception date
Total International Bond	BNDX	0.07%	NAV	-5.00%	-5.00%	-4.87%	0.57%	2.03%	_	2.75%	05/31/2013
			Market price	-4.79%	-4.79%	-4.78%	0.63%	2.05%	_	2.79%	
Total Bond Market	BND	0.035%	NAV	-5.94%	-5.94%	-4.08%	1.69%	2.14%	2.20%	3.53%	04/03/2007
			Market price	-5.85%	-5.85%	-4.12%	1.69%	2.14%	2.19%	3.52%	
Total International Stock	VXUS	0.07%	NAV	-6.07%	-6.07%	-1.78%	7.81%	6.82%	5.82%	4.60%	01/26/2011
			Market price	-5.85%	-5.85%	-1.76%	7.85%	6.78%	5.80%	4.61%	
Total Stock Market	VTI	0.03%	NAV	-5.45%	-5.45%	11.67%	18.14%	15.36%	14.24%	8.63%	05/24/2001
			Market price	-5.37%	-5.37%	11.71%	18.18%	15.39%	14.25%	8.64%	
Money market fund ²				0.03%	0.03%	0.06%	0.76%	1.09%	0.60%	_	

Annualized

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Strategic asset allocation by product			Asset allocation (%) ²	■ Equity / ■ Fixed income		
As of March 31, 2022						
		Expense				
Vanguard ETF	Ticker	ratio ³	60/40			
Domestic equity						
Total Stock Market	VTI	0.03%	35.3%			
International equity						
Total International Stock	VXUS	0.07%	23.5%			
Domestic fixed income						
Total Bond Market	BND	0.035%	27.4%			
International fixed income						
Total International Bond	BNDX	0.07%	11.8%			
Money market fund			2.0%			
Weighted average expense ratio			0.04%			

¹ A bond whose credit quality is considered to be among the highest by independent bond-rating agencies.

² The weights were determined based on market characteristics, Vanguard philosophy, and the availability of the ETFs in the Vanguard lineup. Some of the investable universe may be lost when moving from a broad ETF to a group of narrower ETFs. Portfolio weights were determined by dividing the market value of the underlying benchmark by the total market value of all the underlying benchmarks within the asset group. Because of rounding, weights may not add up to 100%.

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Sub-asset allocation by category	Asset allocation (%)1	■ Equity / ■ Fixed income		
As of March 31, 2022				
	60/40			
Domestic equity				
Equity—U.S. large-cap	24.6%			
Equity—U.S. mid-cap	7.7%			
Equity—U.S. small-cap	3.0%			
International equity				
Equity—Intl. developed markets	17.4%			
Equity—Intl. emerging markets	6.1%			
Domestic fixed income				
Fixed income—U.S. Treasury	12.4%			
Fixed income – U.S. government-related	5.5%			
Fixed income – U.S. corporate	7.5%			
Fixed income – U.S. securitized	0.7%			
Fixed income — Other	0.2%			
International fixed income				
Fixed income—International	12.8%			
Money market fund	2.0%			

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100.0%

Source: Vanguard.

Total



		60/40
Quarter	Pre-tax	-5.52%
	After-tax	-5.60%
Year-to-date	Pre-tax	-5.52%
	After-tax	-5.60%
1 year	Pre-tax	1.97%
	After-tax	1.28%
3 year	Pre-tax	9.00%
(annualized)	After-tax	8.26%
5 year	Pre-tax	8.09%
(annualized)	After-tax	7.31%
10 year	Pre-tax	7.63%
(annualized)	After-tax	6.85%
Since inception	Pre-tax	8.20%
(annualized)	After-tax	7.43%
Inception date		1/1/2012

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As of March 31, 2022

Vanguard ETF	Ticker	Expense ratio ¹		Quarter	Year-to-date	1 year	3 year	5 year	10 year	Since inception	Inception date
Total International Bond	BNDX	0.07%	NAV	-5.00%	-5.00%	-4.87%	0.57%	2.03%	_	2.75%	05/31/2013
			Market price	-4.79%	-4.79%	-4.78%	0.63%	2.05%	_	2.79%	
Total Bond Market	BND	0.035%	NAV	-5.94%	-5.94%	-4.08%	1.69%	2.14%	2.20%	3.53%	04/03/2007
			Market price	-5.85%	-5.85%	-4.12%	1.69%	2.14%	2.19%	3.52%	
Total International Stock	VXUS	0.07%	NAV	-6.07%	-6.07%	-1.78%	7.81%	6.82%	5.82%	4.60%	01/26/2011
			Market price	-5.85%	-5.85%	-1.76%	7.85%	6.78%	5.80%	4.61%	
Total Stock Market	VTI	0.03%	NAV	-5.45%	-5.45%	11.67%	18.14%	15.36%	14.24%	8.63%	05/24/2001
			Market price	-5.37%	-5.37%	11.71%	18.18%	15.39%	14.25%	8.64%	
Money market fund ²				0.03%	0.03%	0.06%	0.76%	1.09%	0.60%	_	

Annualized

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- Diversified index investments that can help alleviate active manager risk in portfolios through lower return variability and low turnover.
- ETFs for potential tax efficiency, transparency, and low costs.
- Remarkably low costs, with weighted average expense ratios at 0.05%, enabling investors to keep more of their returns.
- Vanguard's 40+ years of experience in portfolio construction and indexing.

Strategic asset allocation by product			Asset allocation (%) ²	■ Equity / ■ Fixed income
As of March 31, 2022				
		Expense		
Vanguard ETF	Ticker	ratio ³	80/20	
Domestic equity				
Total Stock Market	VTI	0.03%	47.0%	
International equity				
Total International Stock	VXUS	0.07%	31.4%	
Domestic fixed income				
Total Bond Market	BND	0.035%	13.7%	
International fixed income				
Total International Bond	BNDX	0.07%	5.9%	
Money market fund			2.0%	
Weighted average expense ratio			0.05%	

¹ A bond whose credit quality is considered to be among the highest by independent bond-rating agencies.

² The weights were determined based on market characteristics, Vanguard philosophy, and the availability of the ETFs in the Vanguard lineup. Some of the investable universe may be lost when moving from a broad ETF to a group of narrower ETFs. Portfolio weights were determined by dividing the market value of the underlying benchmark by the total market value of all the underlying benchmarks within the asset group. Because of rounding, weights may not add up to 100%.

³ As reported in each ETF's most recent prospectus as of March 31, 2022. The current expense ratio may be higher or lower than the figure shown. Source: Vanguard calculations using data from FactSet.

Sub-asset allocation by category	Asset allocation (%)1	■ Equity / ■ Fixed income
As of March 31, 2022	•	
	80/20	
Domestic equity		
Equity—U.S. large-cap	32.8%	
Equity—U.S. mid-cap	10.3%	
Equity—U.S. small-cap	3.9%	
International equity		
Equity—Intl. developed markets	23.3%	
Equity—Intl. emerging markets	8.1%	
Domestic fixed income		
Fixed income—U.S. Treasury	6.2%	
Fixed income – U.S. government-related	2.8%	
Fixed income — U.S. corporate	3.8%	
Fixed income – U.S. securitized	0.4%	
Fixed income — Other	0.1%	
International fixed income		
Fixed income—International	6.4%	
Money market fund	2.0%	

100.0%

Source: Vanguard.

Total

¹ The weights for each model portfolio were determined using prior month product-level characteristic data and current month strategic allocations by product according to the "as-of" date provided, whereby a weighted average calculation is then applied in order to derive the sub-asset allocation percentage listed. Sub-asset allocations by category are provided for informational purposes only and are not intended to be utilized for constructing portfolios. Because of rounding, weights may not add up to 100%.



		80/20
Quarter	Pre-tax	-5.53%
	After-tax	-5.60%
Year-to-date	Pre-tax	-5.53%
	After-tax	-5.60%
1 year	Pre-tax	4.02%
	After-tax	3.41%
3 year	Pre-tax	11.40%
(annualized)	After-tax	10.74%
5 year	Pre-tax	9.95%
(annualized)	After-tax	9.26%
10 year (annualized)	Pre-tax	9.31%
(annualized)	After-tax	8.63%
Since inception	Pre-tax	10.09%
(annualized)	After-tax	9.41%
Inception date	•	1/1/2012

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Please see last page for important information about after-tax returns.

As of March 31, 2022

Vanguard ETF	Ticker	Expense ratio ¹		Quarter	Year-to-date	1 year	3 year	5 year	10 year	Since inception	Inception date
Total International Bond	BNDX	0.07%	NAV	-5.00%	-5.00%	-4.87%	0.57%	2.03%	_	2.75%	05/31/2013
			Market price	-4.79%	-4.79%	-4.78%	0.63%	2.05%	_	2.79%	
Total Bond Market	BND	0.035%	NAV	-5.94%	-5.94%	-4.08%	1.69%	2.14%	2.20%	3.53%	04/03/2007
			Market price	-5.85%	-5.85%	-4.12%	1.69%	2.14%	2.19%	3.52%	
Total International Stock	VXUS	0.07%	NAV	-6.07%	-6.07%	-1.78%	7.81%	6.82%	5.82%	4.60%	01/26/2011
			Market price	-5.85%	-5.85%	-1.76%	7.85%	6.78%	5.80%	4.61%	
Total Stock Market	VTI	0.03%	NAV	-5.45%	-5.45%	11.67%	18.14%	15.36%	14.24%	8.63%	05/24/2001
			Market price	-5.37%	-5.37%	11.71%	18.18%	15.39%	14.25%	8.64%	
Money market fund ²				0.03%	0.03%	0.06%	0.76%	1.09%	0.60%	_	

Annualized

¹ As reported in each ETF's most recent prospectus as of March 31, 2022. The current expense ratio may be higher or lower than the figure shown.

² The FTSE 3-Month T-Bill Index is used to represent performance of a money market fund. The model performance does not include performance of any specific money market fund.



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Important after-tax performance information

Vanguard after-tax returns

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- If you own fund or exchange-traded funds (ETF) shares in a tax-deferred account such as an IRA or 401(k) plan, this information does not apply to your investment because these accounts are not subject to current taxes.
- After-tax returns for Vanguard funds and ETFs reflect the reduced tax rates on ordinary income, qualified dividend income, and short-term and longterm capital gains that went into effect in 2003.
- After-tax returns for non-Vanguard funds and ETFs are provided by
 Morningstar, Inc., based on data provided by the fund companies. Recent
 changes in tax law may cause after-tax returns to be calculated
 inconsistently across different fund families. Accordingly, after-tax returns
 for peer groups have been removed.
- Past performance, whether before or after taxes, does not guarantee future results.
- If a fund or ETF incurs a loss that generates a tax benefit, the postliquidation after-tax return may exceed the fund's or ETF's other return figures.
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After-tax returns for most funds and ETFs are calculated using the tax liability implied by each fund's or ETF's declared distributions. However, the exact tax characteristics of many distributions are not known until after the close of the calendar year.

For more information on Vanguard funds and Vanguard ETFs, contact your financial advisor to obtain a prospectus or, if available, a summary prospectus. Investment objectives, risks, charges, expenses, and other important information are contained in the prospectus; read and consider it carefully before investing.

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Model performance results are hypothetical and may have inherent limitations, some of which are described in this brochure. No representation is being made that any account will or is likely to achieve profits or losses similar to those shown. There are numerous other factors related to the markets in general or to the implementation of any specific trading strategy which cannot be fully accounted for in the preparation of model performance results and all of which can adversely affect actual trading results.

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Examples are for hypothetical purposes only.





Vanguard ETF strategic model portfolios offer:

- Broad-market equity and investment-grade¹ fixed income exposure, encompassing more than 27,000 global stocks and bonds.
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- Remarkably low costs, with weighted average expense ratios at 0.05%, enabling investors to keep more of their returns.
- Vanguard's 40+ years of experience in portfolio construction and indexing.

Strategic asset allocation by product			Asset allocation (%) ²	■ Equity / ■ Fixed income
As of March 31, 2022				
		Expense		
Vanguard ETF	Ticker	ratio ³	100/0	
Domestic equity				
Total Stock Market	VTI	0.03%	58.8%	
International equity				
Total International Stock	VXUS	0.07%	39.2%	
Domestic fixed income				
Total Bond Market	BND	0.035%	0.0%	
International fixed income				
Total International Bond	BNDX	0.07%	0.0%	
Money market fund			2.0%	
Weighted average expense ratio			0.05%	

¹ A bond whose credit quality is considered to be among the highest by independent bond-rating agencies.

Source: Vanguard calculations using data from FactSet.

² The weights were determined based on market characteristics, Vanguard philosophy, and the availability of the ETFs in the Vanguard lineup. Some of the investable universe may be lost when moving from a broad ETF to a group of narrower ETFs. Portfolio weights were determined by dividing the market value of the underlying benchmark by the total market value of all the underlying benchmarks within the asset group. Because of rounding, weights may not add up to 100%.

³ As reported in each ETF's most recent prospectus as of March 31, 2022. The current expense ratio may be higher or lower than the figure shown.

Sub-asset allocation by category	Asset allocation (%)1	■ Equity / ■ Fixed income		
As of March 31, 2022				
	100/0			
Domestic equity				
Equity—U.S. large-cap	41.0%			
Equity—U.S. mid-cap	12.9%			
Equity—U.S. small-cap	4.9%			
International equity				
Equity—Intl. developed markets	29.1%			
Equity—Intl. emerging markets	10.1%			
Domestic fixed income				
Fixed income—U.S. Treasury	0.0%			
Fixed income—U.S. government-related	0.0%			
Fixed income—U.S. corporate	0.0%			
Fixed income—U.S. securitized	0.0%			
Fixed income—Other	0.0%			
International fixed income				
Fixed income—International	0.0%			
Money market fund	2.0%			
Total	100.0%			

¹ The weights for each model portfolio were determined using prior month product-level characteristic data and current month strategic allocations by product according to the "as-of" date provided, whereby a weighted average calculation is then applied in order to derive the sub-asset allocation percentage listed. Sub-asset allocations by category are provided for informational purposes only and are not intended to be utilized for constructing portfolios. Because of rounding, weights may not add up to 100%.

Model portfolio performance*	Asset allocation (%)	■ Equity / ■ Fixed income
As of March 31, 2022		

100/0	

		100/0
Quarter	Pre-tax	-5.56%
	After-tax	-5.62%
Year-to-date	Pre-tax	-5.56%
	After-tax	-5.62%
1 year	Pre-tax	6.07%
	After-tax	5.55%
3 year	Pre-tax	13.73%
(annualized)	After-tax	13.16%
5 year	Pre-tax	11.74%
(annualized)	After-tax	11.15%
10 year	Pre-tax	10.96%
(annualized)	After-tax	10.37%
Since inception	Pre-tax	11.95%
(annualized)	After-tax	11.36%
Inception date		1/1/2012

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Please see last page for important information about after-tax returns.

As of March 31, 2022

Vanguard ETF	Ticker	Expense ratio ¹		Quarter	Year-to-date	1 year	3 year	5 year	10 year	Since inception	Inception date
Total International Bond	BNDX	0.07%	NAV	-5.00%	-5.00%	-4.87%	0.57%	2.03%	_	2.75%	05/31/2013
			Market price	-4.79%	-4.79%	-4.78%	0.63%	2.05%	_	2.79%	
Total Bond Market	BND	0.035%	NAV	-5.94%	-5.94%	-4.08%	1.69%	2.14%	2.20%	3.53%	04/03/2007
			Market price	-5.85%	-5.85%	-4.12%	1.69%	2.14%	2.19%	3.52%	
Total International Stock	VXUS	0.07%	NAV	-6.07%	-6.07%	-1.78%	7.81%	6.82%	5.82%	4.60%	01/26/2011
			Market price	-5.85%	-5.85%	-1.76%	7.85%	6.78%	5.80%	4.61%	
Total Stock Market	VTI	0.03%	NAV	-5.45%	-5.45%	11.67%	18.14%	15.36%	14.24%	8.63%	05/24/2001
			Market price	-5.37%	-5.37%	11.71%	18.18%	15.39%	14.25%	8.64%	
Money market fund ²				0.03%	0.03%	0.06%	0.76%	1.09%	0.60%	_	

Annualized

¹ As reported in each ETF's most recent prospectus as of March 31, 2022. The current expense ratio may be higher or lower than the figure shown.

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- After-tax returns for Vanguard funds and ETFs reflect the reduced tax rates on ordinary income, qualified dividend income, and short-term and longterm capital gains that went into effect in 2003.
- After-tax returns for non-Vanguard funds and ETFs are provided by
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- ETFs for potential tax efficiency, transparency, and low costs.
- Remarkably low costs, with weighted average expense ratios at 0.04%, enabling investors to keep more of their returns.
- Vanguard's 40+ years of experience in portfolio construction and indexing.

Strategic asset allocation by product			Asset allocation (%) ²	■ Equity / ■ Fixed income
As of March 31, 2022				
		Expense		
Vanguard ETF	Ticker	ratio ³	0/100	
Domestic equity				
Total Stock Market	VTI	0.03%	0.0%	
International equity				
Total International Stock	VXUS	0.07%	0.0%	
Domestic fixed income				
Total Bond Market	BND	0.035%	68.6%	
International fixed income				
Total International Bond	BNDX	0.07%	29.4%	
Money market fund			2.0%	
Weighted average expense ratio			0.04%	

¹ A bond whose credit quality is considered to be among the highest by independent bond-rating agencies.

² The weights were determined based on market characteristics, Vanguard philosophy, and the availability of the ETFs in the Vanguard lineup. Some of the investable universe may be lost when moving from a broad ETF to a group of narrower ETFs. Portfolio weights were determined by dividing the market value of the underlying benchmark by the total market value of all the underlying benchmarks within the asset group. Because of rounding, weights may not add up to 100%.

³ As reported in each ETF's most recent prospectus as of March 31, 2022. The current expense ratio may be higher or lower than the figure shown. Source: Vanguard calculations using data from FactSet.

Sub-asset allocation by category	Asset allocation (%)1	■ Equity / ■ Fixed income
As of March 31, 2022	0	
	0/100	
Domestic equity		
Equity—U.S. large-cap	0.0%	
Equity—U.S. mid-cap	0.0%	
Equity—U.S. small-cap	0.0%	
International equity		
Equity—Intl. developed markets	0.0%	
Equity—Intl. emerging markets	0.0%	
Domestic fixed income		
Fixed income — U.S. Treasury	31.1%	
Fixed income — U.S. government-related	13.8%	
Fixed income — U.S. corporate	18.8%	
Fixed income – U.S. securitized	1.8%	
Fixed income — Other	0.6%	
International fixed income		
Fixed income—International	31.9%	
Money market fund	2.0%	
Total	100.0%	

¹ The weights for each model portfolio were determined using prior month product-level characteristic data and current month strategic allocations by product according to the "as-of" date provided, whereby a weighted average calculation is then applied in order to derive the sub-asset allocation percentage listed. Sub-asset allocations by category are provided for informational purposes only and are not intended to be utilized for constructing portfolios. Because of rounding, weights may not add up to 100%.

0

0/100

		0/100
Quarter	Pre-tax	-5.54%
	After-tax	-5.65%
Year-to-date	Pre-tax	-5.54%
	After-tax	-5.65%
1 year	Pre-tax	-4.23%
	After-tax	-5.15%
3 year (annualized)	Pre-tax	1.35%
	After-tax	0.38%
5 year (annualized)	Pre-tax	2.09%
	After-tax	1.07%
10 year (annualized)	Pre-tax	2.29%
	After-tax	1.26%
Since inception (annualized)	Pre-tax	2.25%
	After-tax	1.23%
Inception date		1/1/2012

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As of March 31, 2022

Vanguard ETF	Ticker	Expense ratio ¹		Quarter	Year-to-date	1 year	3 year	5 year	10 year	Since inception	Inception date
Total International Bond	BNDX	0.07%	NAV	-5.00%	-5.00%	-4.87%	0.57%	2.03%	_	2.75%	05/31/2013
			Market price	-4.79%	-4.79%	-4.78%	0.63%	2.05%	_	2.79%	
Total Bond Market	BND	0.035%	NAV	-5.94%	-5.94%	-4.08%	1.69%	2.14%	2.20%	3.53%	04/03/2007
			Market price	-5.85%	-5.85%	-4.12%	1.69%	2.14%	2.19%	3.52%	
Total International Stock	VXUS	0.07%	NAV	-6.07%	-6.07%	-1.78%	7.81%	6.82%	5.82%	4.60%	01/26/2011
			Market price	-5.85%	-5.85%	-1.76%	7.85%	6.78%	5.80%	4.61%	
Total Stock Market	VTI	0.03%	NAV	-5.45%	-5.45%	11.67%	18.14%	15.36%	14.24%	8.63%	05/24/2001
			Market price	-5.37%	-5.37%	11.71%	18.18%	15.39%	14.25%	8.64%	
Money market fund ²				0.03%	0.03%	0.06%	0.76%	1.09%	0.60%	_	

Annualized

¹ As reported in each ETF's most recent prospectus as of March 31, 2022. The current expense ratio may be higher or lower than the figure shown.

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