



Vanguard Target Retirement 2045 Fund Summary Prospectus

January 31, 2025

Investor Shares

Vanguard Target Retirement 2045 Fund Investor Shares (VTIVX)

The Fund's statutory Prospectus and Statement of Additional Information dated January 31, 2025, as may be amended or supplemented, are incorporated into and made part of this Summary Prospectus by reference.

Before you invest, you may want to review the Fund's Prospectus, which contains more information about the Fund and its risks. You can find the Fund's Prospectus and other information about the Fund online at www.vanguard.com/prospectus and <https://personal.vanguard.com/us/literature/reports/MFs>. You can also obtain this information at no cost by calling 800-662-7447 or by sending an email request to online@vanguard.com.

The Securities and Exchange Commission (SEC) has not approved or disapproved these securities or passed upon the adequacy of this prospectus. Any representation to the contrary is a criminal offense.

Investment Objective

The Fund seeks to provide capital appreciation and current income consistent with its current asset allocation.

Fees and Expenses

The following tables describe the fees and expenses you may pay if you buy, hold, and sell shares of the Fund. **You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the tables and example below.**

Shareholder Fees

(Fees paid directly from your investment)

Sales Charge (Load) Imposed on Purchases	None
Purchase Fee	None
Sales Charge (Load) Imposed on Reinvested Dividends	None
Redemption Fee	None
Account Service Fee Per Year (for certain fund account balances below \$5,000,000)	\$25

Annual Fund Operating Expenses

(Expenses that you pay each year as a percentage of the value of your investment)

Management Fees	0.00%
12b-1 Distribution Fee	None
Other Expenses	0.00%
Acquired Fund Fees and Expenses	0.08%
Total Annual Fund Operating Expenses	0.08%

Example

The following example is intended to help you compare the cost of investing in the Fund (based on the fees and expenses of the acquired funds) with the cost of investing in other mutual funds. It illustrates the hypothetical expenses that you would incur over various periods if you were to invest \$10,000 in the Fund's shares. This example assumes that the Fund provides a return of 5% each year and that total annual fund operating expenses (of the Fund and its underlying funds) remain as stated in the preceding table. You would incur these hypothetical expenses whether or not you were to redeem your investment at the end of the given period. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

1 Year	3 Years	5 Years	10 Years
\$8	\$26	\$45	\$103

Portfolio Turnover

The Fund may pay transaction costs, such as purchase fees, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in more taxes when Fund shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the previous expense example, reduce the Fund's performance. During the most recent fiscal year, the Fund's portfolio turnover rate was 1% of the average value of its portfolio.

Principal Investment Strategies

The Fund invests in a mix of Vanguard mutual funds (underlying funds) according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2045 (the target year). The Fund is designed for an investor who plans to withdraw the value of an account in the Fund over a period of many years after the target year. The Fund's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2045, the Fund's asset allocation should become similar to that of Vanguard Target Retirement Income Fund. As of September 30, 2024, the Fund's allocation among the underlying asset classes was as follows:

• U.S. stocks	50.3%
• Foreign stocks	33.2%
• U.S. fixed income securities	10.9%
• Foreign fixed income securities	4.8%

At any given time, the Fund's asset allocation may be affected by a variety of factors, such as whether the underlying funds are accepting additional investments. Allocation may not add to 100% due to rounding and/or less than 1% invested in other assets.

The Fund's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

The Fund's indirect fixed income holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure).

Principal Risks

The Fund is subject to the risks associated with the stock and bond markets, any of which could cause an investor to lose money, and the level of risk may vary based on market conditions. An investment in the Fund is not guaranteed. An investor may experience losses, including losses near, at, or after the target year. There is no guarantee that the Fund will provide adequate income at or after the target year. Because stocks are typically more volatile than bonds and because the Fund currently invests most of its assets in stocks, the Fund's overall level of risk should be higher than that of funds that invest the majority of their assets in bonds; however, the level of risk is expected to be lower than that of funds investing entirely in stocks.

With approximately 83.6% of its assets allocated to stocks and approximately 16.4% of its assets allocated to fixed income securities, the Fund is proportionately subject to:

- *Stock market risk*, which is the chance that stock prices overall will decline. Stock markets tend to move in cycles, with periods of rising prices and periods of falling prices.
- *Country/regional risk*, which is the chance that world events—such as political upheaval, financial troubles, or natural disasters—will adversely affect the value and/or liquidity of securities issued by foreign governments, government agencies, or companies. Country/regional risk is especially high in emerging markets.
- *Currency risk*, which is the chance that the value of a foreign investment, measured in U.S. dollars, will decrease because of unfavorable changes in currency exchange rates. Currency risk is especially high in emerging markets.
- *Interest rate risk*, which is the chance that bond prices overall will decline because of rising interest rates.

- *Income risk*, which is the chance that an underlying fund's income will decline because of falling interest rates.
- *Credit risk*, which is the chance that a bond issuer will fail to pay interest or principal in a timely manner or that negative perceptions of the issuer's ability to make such payments will cause the price of that bond to decline, thus reducing the underlying fund's return.
- *Call risk*, which is the chance that during periods of falling interest rates, issuers of callable bonds may call (redeem) securities with higher coupon rates or interest rates before their maturity dates. An underlying fund would then lose any price appreciation above the bond's call price and would be forced to reinvest the unanticipated proceeds at lower interest rates, resulting in a decline in the underlying fund's income.
- *Currency hedging risk* which is the chance that the currency hedging transactions entered into by the underlying foreign fixed income securities funds may not perfectly offset the fund's foreign currency exposure.
- *Asset allocation risk*, which is the chance that the selection of underlying funds, and the allocation of assets to them, will cause the Fund to underperform other funds with a similar investment objective.
- *Underlying fund risk*. Because the Fund invests substantially all of its assets in underlying Vanguard funds, it is subject to *underlying fund risk*. This means that the Fund is exposed to all of the risks associated with the investment strategies and policies of the underlying Vanguard funds, including the risk that the underlying funds will not meet their investment objectives.

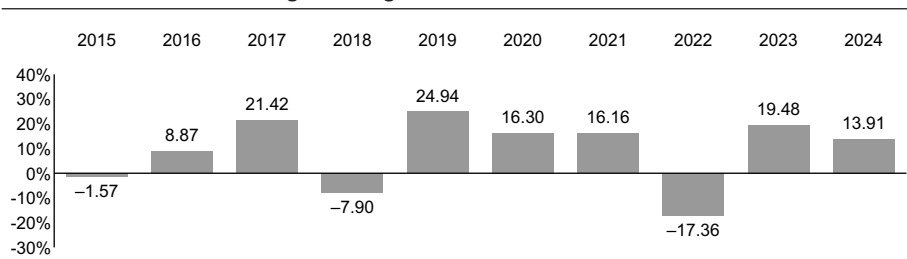
An investment in the Fund is not a deposit of a bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.

Annual Total Returns

The following bar chart and table are intended to help you understand the risks of investing in the Fund. The bar chart shows how the performance of the Fund has varied from one calendar year to another over the periods shown. The table shows how the average annual total returns of the Fund compare with those of relevant market indexes and a composite stock/bond index, which have investment characteristics similar to those of the Fund. The Target Retirement 2045 Composite Index is a custom blended index developed by Vanguard based on the Fund's asset allocation glide schedule, which becomes more conservative as time elapses. As of September 30, 2024, the composite was derived using the following portion allocations: 33.4% FTSE Global All Cap ex US Index; 11.55% Bloomberg U.S. Aggregate Float Adjusted Index; 4.95% Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged); and 50.1%

CRSP US Total Market Index. International stock benchmark returns are adjusted for withholding taxes. The components that make up the composite index may vary over time. Percentages listed may not total to 100% due to rounding. Keep in mind that the Fund's past performance (before and after taxes) does not indicate how the Fund will perform in the future. Updated performance information is available on our website at vanguard.com/performance.

Annual Total Returns — Vanguard Target Retirement 2045 Fund Investor Shares



During the periods shown in the bar chart, the highest and lowest returns for a calendar quarter were:

	Total Return	Quarter
Highest	18.70%	June 30, 2020
Lowest	-19.88%	March 31, 2020

Average Annual Total Returns for Periods Ended December 31, 2024

	1 Year	5 Years	10 Years
Vanguard Target Retirement 2045 Fund Investor Shares			
Return Before Taxes	13.91%	8.73%	8.57%
Return After Taxes on Distributions	13.14	7.46	7.58
Return After Taxes on Distributions and Sale of Fund Shares	8.53	6.68	6.74
Target Retirement 2045 Composite Index (reflects no deduction for fees, expenses, or taxes)			
	14.08%	9.12%	8.89%
MSCI US Broad Market Index (reflects no deduction for fees, expenses, or taxes)			
	23.81	14.01	12.63
Bloomberg U.S. Aggregate Float Adjusted Index (reflects no deduction for fees, expenses, or taxes)			
	1.33	-0.27	1.39

Actual after-tax returns depend on your tax situation and may differ from those shown in the preceding table. When after-tax returns are calculated, it is assumed that the shareholder was in the highest individual federal marginal income tax bracket at the time of each distribution of income or capital gains or upon redemption. State and local income taxes are not reflected in the calculations. Please note that after-tax returns are not relevant for a shareholder

who holds fund shares in a tax-deferred account, such as an individual retirement account or a 401(k) plan. Also, figures captioned *Return After Taxes on Distributions and Sale of Fund Shares* may be higher than other figures for the same period if a capital loss occurs upon redemption and results in an assumed tax deduction for the shareholder.

Investment Advisor

The Vanguard Group, Inc. (Vanguard)

Portfolio Managers

Roger A. Aliaga-Diaz, Ph.D., Portfolio Manager at Vanguard. He has co-managed the Fund since 2023.

Aurélie Denis, CFA, Portfolio Manager at Vanguard. She has co-managed the Fund since 2023.

Michael R. Roach, Portfolio Manager at Vanguard. He has co-managed the Fund since 2023.

Walter Nejman, Portfolio Manager at Vanguard. He has co-managed the Fund since 2013.

Purchase and Sale of Fund Shares

You may purchase or redeem shares online through our website ([vanguard.com](https://www.vanguard.com)), by mail (The Vanguard Group, P.O. Box 982901, El Paso, TX 79998-2901), or by telephone (800-662-2739). The minimum investment amount required to open and maintain a Fund account for Investor Shares is \$1,000. The minimum investment amount required to add to an existing Fund account is generally \$1. Financial intermediaries, institutional clients, and Vanguard-advised clients should contact Vanguard for information on special eligibility rules that may apply to them regarding Investor Shares. If you are investing through an intermediary, please contact that firm directly for more information regarding your eligibility. If you are investing through an employer-sponsored retirement or savings plan, your plan administrator or your benefits office can provide you with detailed information on how you can invest through your plan.

Tax Information

The Fund's distributions may be taxable as ordinary income or capital gains. If you are investing through a tax-advantaged account, such as an IRA or an employer-sponsored retirement or savings plan, special tax rules apply. You should consult your own tax advisor with respect to any particular U.S. or non-U.S. tax consequences of your investment in the Fund.

Payments to Financial Intermediaries

The Fund and its investment advisor do not pay financial intermediaries for sales of Fund shares.

CFA® is a registered trademark owned by CFA Institute.

"Bloomberg" and Bloomberg U.S. Aggregate Float Adjusted Index (the "Index") are service marks of Bloomberg Finance L.P. and its affiliates, including Bloomberg Index Services Limited ("BISL"), the administrator of the index (collectively, "Bloomberg"), and have been licensed for use for certain purposes by Vanguard.

Vanguard Target Retirement 2045 Fund (the "Fund") is not sponsored, endorsed, sold or promoted by Bloomberg. Bloomberg does not make any representation or warranty, express or implied, to the owners of or counterparties to the Fund or any member of the public regarding the advisability of investing in securities or commodities generally or in the Fund particularly. The only relationship of Bloomberg to Vanguard is the licensing of certain trademarks, trade names and service marks and of the Index, which are determined, composed and calculated by BISL without regard to Vanguard or the Fund. Bloomberg has no obligation to take the needs of Vanguard or the owners of the Fund into consideration in determining, composing or calculating the Index. Bloomberg is not responsible for and has not participated in the determination of the timing, price, or quantities of the Fund to be issued. Bloomberg shall not have any obligation or liability, including, without limitation, to customers of the Fund, in connection with the administration, marketing or trading of the Fund.

BLOOMBERG DOES NOT GUARANTEE THE ACCURACY AND/OR THE COMPLETENESS OF THE INDEX OR ANY DATA RELATED THERETO AND SHALL HAVE NO LIABILITY FOR ANY ERRORS, OMISSIONS OR INTERRUPTIONS THEREIN. BLOOMBERG DOES NOT MAKE ANY WARRANTY, EXPRESS OR IMPLIED, AS TO RESULTS TO BE OBTAINED BY VANGUARD, OWNERS OF THE FUND OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDEX OR ANY DATA RELATED THERETO. BLOOMBERG DOES NOT MAKE ANY EXPRESS OR IMPLIED WARRANTIES AND EXPRESSLY DISCLAIMS ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE WITH RESPECT TO THE INDEX OR ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, TO THE MAXIMUM EXTENT ALLOWED BY LAW, BLOOMBERG, ITS LICENSORS, AND ITS AND THEIR RESPECTIVE EMPLOYEES, CONTRACTORS, AGENTS, SUPPLIERS, AND VENDORS SHALL HAVE NO LIABILITY OR RESPONSIBILITY WHATSOEVER FOR ANY INJURY OR DAMAGES—WHETHER DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL, PUNITIVE OR OTHERWISE—ARISING IN CONNECTION WITH THE FUND OR INDEX OR ANY DATA OR VALUES RELATING THERETO—WHETHER ARISING FROM THEIR NEGLIGENCE OR OTHERWISE, EVEN IF NOTIFIED OF THE POSSIBILITY THEREOF.

Vanguard Target Retirement 2045 Fund Investor Shares—Fund Number 306

To request additional information about the Fund, please visit [vanguard.com](https://www.vanguard.com) or contact us at 800-662-7447.

© 2025 The Vanguard Group, Inc. All rights reserved.
Vanguard Marketing Corporation, Distributor.

SP 306 012025