



Vanguard®

Vanguard funds

A comprehensive listing of our
Vanguard ETF® and mutual fund offerings

As of March 31, 2020



Index funds

Equity

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
Domestic large-cap			
Total Stock Market Index ²	ETF	VTI	0.03%
	Admiral ^{TM3}	VTSAX	0.04
	Investor	—	—
Russell 3000 Index ²	ETF	VTHR	0.10
	Admiral	—	—
	Investor	—	—
Mega Cap Index ²	ETF	MGC	0.07
	Admiral	—	—
	Investor	—	—
Mega Cap Growth Index ²	ETF	MGK	0.07
	Admiral	—	—
	Investor	—	—
Mega Cap Value Index ²	ETF	MGV	0.07
	Admiral	—	—
	Investor	—	—
500 Index ²	ETF	VOO	0.03
	Admiral	VFIAX	0.04
	Investor	—	—
S&P 500 Growth Index ²	ETF	VOOG	0.10
	Admiral	—	—
	Investor	—	—
S&P 500 Value Index ²	ETF	VOOV	0.10
	Admiral	—	—
	Investor	—	—
Russell 1000 Index ²	ETF	VONE	0.08
	Admiral	—	—
	Investor	—	—
Russell 1000 Growth Index ²	ETF	VONG	0.08
	Admiral	—	—
	Investor	—	—
Russell 1000 Value Index ²	ETF	VONV	0.08
	Admiral	—	—
	Investor	—	—
Large-Cap Index ²	ETF	VV	0.04
	Admiral	VLCAAX	0.05
	Investor	—	—
Growth Index ²	ETF	VUG	0.04
	Admiral	VIGAX	0.05
	Investor	—	—
Value Index ²	ETF	VTV	0.04
	Admiral	VVIAX	0.05
	Investor	—	—
FTSE Social Index ²	ETF	—	—
	Admiral	VFTAX	0.14
	Investor	—	—
Tax-Managed Capital Appreciation ²	ETF	—	—
	Admiral	VTCLX	0.09
	Investor	—	—
Domestic mid-cap			
Extended Market Index ²	ETF	VXF	0.07%
	Admiral	VEXAX	0.07
	Investor	—	—
Mid-Cap Index ²	ETF	VO	0.04
	Admiral	VIMAX	0.05
	Investor	—	—
Mid-Cap Growth Index	ETF	VOT	0.07
	Admiral	VMGMX	0.07
	Investor	—	—
Mid-Cap Value Index	ETF	VOE	0.07
	Admiral	VMVAX	0.07
	Investor	—	—
S&P Mid-Cap 400 Index ²	ETF	IVOO	0.10
	Admiral	—	—
	Investor	—	—
S&P Mid-Cap 400 Growth Index ²	ETF	IVOG	0.15
	Admiral	—	—
	Investor	—	—
S&P Mid-Cap 400 Value Index ²	ETF	IVOV	0.15
	Admiral	—	—
	Investor	—	—

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
Domestic small-cap			
Small-Cap Index ²	ETF	VB	0.05%
	Admiral	VSMAX	0.05
	Investor	—	—
Small-Cap Growth Index ²	ETF	VBK	0.07
	Admiral	VSGAX	0.07
	Investor	—	—
Small-Cap Value Index ²	ETF	VBR	0.07
	Admiral	VSIAX	0.07
	Investor	—	—
S&P Small-Cap 600 Index ²	ETF	VIOO	0.10
	Admiral	—	—
	Investor	—	—
S&P Small-Cap 600 Growth Index ²	ETF	VIOG	0.16
	Admiral	—	—
	Investor	—	—
S&P Small-Cap 600 Value Index ²	ETF	VIOV	0.15
	Admiral	—	—
	Investor	—	—
Russell 2000 Index ²	ETF	VTWO	0.10
	Admiral	—	—
	Investor	—	—
Russell 2000 Growth Index ²	ETF	VTWG	0.15
	Admiral	—	—
	Investor	—	—
Russell 2000 Value Index ²	ETF	VTWV	0.15
	Admiral	—	—
	Investor	—	—
Tax-Managed Small-Cap ²	ETF	—	—
	Admiral	VTMSX	0.09
	Investor	—	—
Sector/specialty			
Communication Services Index	ETF	VOX	0.10%
	Admiral	VTCAX	0.10
	Investor	—	—
Consumer Discretionary Index	ETF	VCR	0.10
	Admiral	VCDAX	0.10
	Investor	—	—
Consumer Staples Index	ETF	VDC	0.10
	Admiral	VCSAX	0.10
	Investor	—	—
Energy Index	ETF	VDE	0.10
	Admiral	VENAX	0.10
	Investor	—	—
Financials Index	ETF	VFH	0.10
	Admiral	VFAIX	0.10
	Investor	—	—
Health Care Index	ETF	VHT	0.10
	Admiral	VHCIX	0.10
	Investor	—	—
Industrials Index	ETF	VIS	0.10
	Admiral	VINAX	0.10
	Investor	—	—
Information Technology Index	ETF	VGT	0.10
	Admiral	VITAX	0.10
	Investor	—	—
Materials Index	ETF	VAW	0.10
	Admiral	VMIAX	0.10
	Investor	—	—
Real Estate Index ²	ETF	VNQ	0.12
	Admiral	VGSLX	0.12
	Investor	—	—
Utilities Index	ETF	VPU	0.10
	Admiral	VUIAX	0.10
	Investor	—	—
Dividend Appreciation Index	ETF	VIG	0.06
	Admiral	VDADX	0.08
	Investor	—	—
High Dividend Yield Index	ETF	VYM	0.06
	Admiral	VHYAX	0.08
	Investor	—	—

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
ESG strategies			
ESG U.S. Stock	ETF	ESGV	0.12%
	Admiral	—	—
	Investor	—	—
ESG International Stock	ETF	VSGX	0.17
	Admiral	—	—
	Investor	—	—
International/global			
Total World Stock Index ²	ETF	VT	0.08%
	Admiral	VTWAX	0.10
	Investor	—	—
Total International Stock Index ²	ETF	VXUS	0.08
	Admiral	VTIAX	0.11
	Investor	—	—
FTSE All-World ex-US Index ²	ETF	VEU	0.08
	Admiral	VFWAX	0.11
	Investor	—	—
FTSE All-World ex-US Small-Cap Index ²	ETF	VSS	0.11
	Admiral	VFSAX	0.16
	Investor	—	—
Global ex-U.S. Real Estate Index ²	ETF	VNQI	0.12
	Admiral	VGRLX ⁴	0.12
	Investor	—	—
Developed Markets Index ²	ETF	VEA	0.05
	Admiral	VTMGX	0.07
	Investor	—	—
European Stock Index ²	ETF	VGK	0.08
	Admiral	VEUSX	0.10
	Investor	—	—
Pacific Stock Index ²	ETF	VPL	0.08
	Admiral	VPADX	0.10
	Investor	—	—
Emerging Markets Stock Index ²	ETF	VWO	0.10
	Admiral	VEMAX	0.14
	Investor	—	—
International High Dividend Yield Index	ETF	VYMI	0.27
	Admiral	VIHAX ⁴	0.27
	Investor	—	—
International Dividend Appreciation Index	ETF	VIGI	0.20
	Admiral	VIAAX ⁴	0.20
	Investor	—	—

Balanced

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
Balanced Index ²	ETF	—	—
	Admiral	VBIAX	0.07%
	Investor	—	—
Tax-Managed Balanced	ETF	—	—
	Admiral	VTMFX	0.09
	Investor	—	—

Fixed income

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
Domestic/taxable			
Total Bond Market Index ²	ETF	BND	0.035%
	Admiral	VBTLX	0.05
	Investor	—	—
Total Corporate Bond Index	ETF	VTC	0.05
	Admiral	—	—
	Investor	—	—
Short-Term Bond Index ²	ETF	BSV	0.05
	Admiral	VBIRX	0.07
	Investor	—	—
Short-Term Corporate Bond Index ²	ETF	VCSH	0.05
	Admiral	VSCSX	0.07
	Investor	—	—
Short-Term Treasury Index ²	ETF	VGSH	0.05
	Admiral	VSBSX	0.07
	Investor	—	—
Short-Term Inflation-Protected Securities Index ²	ETF	VTIP	0.05
	Admiral	VTAPX	0.06
	Investor	—	—
Intermediate-Term Bond Index ²	ETF	BIV	0.05
	Admiral	VBILX	0.07
	Investor	—	—
Intermediate-Term Corporate Bond Index ²	ETF	VCIT	0.05
	Admiral	VICSX ⁵	0.07
	Investor	—	—
Intermediate-Term Treasury Index ²	ETF	VGIT	0.05
	Admiral	VSIGX	0.07
	Investor	—	—
Long-Term Bond Index ²	ETF	BLV	0.05
	Admiral	VBLAX ⁵	0.07
	Investor	—	—
Long-Term Corporate Bond Index ²	ETF	VCLT	0.05
	Admiral	VLTCX ⁵	0.07
	Investor	—	—
Long-Term Treasury Index ²	ETF	VGLT	0.05
	Admiral	VLGSX	0.07
	Investor	—	—
Extended Duration Treasury Index ²	ETF	EDV	0.07
	Admiral	—	—
	Investor	—	—
Mortgage-Backed Securities Index ²	ETF	VMBS	0.05
	Admiral	VMBSX	0.07
	Investor	—	—
Domestic/tax-exempt			
Tax-Exempt Bond Index	ETF	VTEB	0.06%
	Admiral	VTEAX	0.09
	Investor	—	—
International/global			
Total World Bond	ETF	BNDW	0.06%
	Admiral	—	—
	Investor	—	—
Total International Bond Index ²	ETF	BNDX	0.08
	Admiral	VTABX	0.11
	Investor	—	—
Emerging Markets Government Bond Index ²	ETF	VWOB	0.25
	Admiral	VGAVX ⁵	0.25
	Investor	—	—

1 As reported in each fund's most recent prospectus as of March 31, 2020. A fund's current expense ratio may be lower or higher than the figure shown.

2 Includes an Institutional and/or Institutional Plus share class.

3 Admiral Shares require no investment minimum for financial intermediaries.

4 This fund's share class includes a purchase fee and a redemption fee. See the respective prospectus for more information.

5 This fund's share class includes a purchase fee. See the respective prospectus for more information.

Active funds

Equity

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
Domestic large-cap			
PRIMECAP—CLOSED	Admiral ²	VPMAX	0.31%
	Investor ³	VPMCX	0.38
U.S. Growth	Admiral	VWUAX	0.28
	Investor	VWUSX	0.39
Diversified Equity	Admiral	—	—
	Investor	VDEQX ⁴	0.35
Dividend Growth	Admiral	—	—
	Investor	VDIGX ⁴	0.22
Growth and Income	Admiral	VGIAX	0.23
	Investor	VQNPX	0.33
PRIMECAP Core—CLOSED	Admiral	—	—
	Investor	VPCCX ⁴	0.46
Equity Income	Admiral	VEIRX	0.18
	Investor	VEIPX	0.27
U.S. Value	Admiral	—	—
	Investor	VUVLX ⁴	0.22
Windsor™	Admiral	VWNEX	0.20
	Investor	VWNDX	0.30
Windsor II	Admiral	VWNAX	0.26
	Investor	VWNFX	0.34
Domestic mid-cap			
Capital Opportunity—CLOSED	Admiral	VHCAX	0.37%
	Investor	VHCOX	0.44
Mid-Cap Growth	Admiral	—	—
	Investor	VMGRX ⁴	0.36
Strategic Equity	Admiral	—	—
	Investor	VSEQX ⁴	0.17
Capital Value—CLOSED	Admiral	—	—
	Investor	VCVLX ⁴	0.29
Selected Value	Admiral	—	—
	Investor	VASVX ⁴	0.33
Domestic small-cap			
Explorer™	Admiral	VEXRX	0.34%
	Investor	VEXPX	0.45
Explorer Value™	Admiral	—	—
	Investor	VEVFX ⁴	0.55
Strategic Small-Cap Equity	Admiral	—	—
	Investor	VSTCX ⁴	0.26
Sector/specialty			
Market Neutral ⁶	Admiral	—	—
	Investor	VMNFX ⁴	1.80%
Global Capital Cycles	Admiral	—	—
	Investor	VGPMX ⁴	0.33
Health Care	Admiral	VGHAX	0.28
	Investor	VGHCX	0.34
Energy	Admiral	VGELX	0.29
	Investor	VGEXX	0.37
Commodity Strategy	Admiral	VCMDX	0.20 ⁵
	Investor	—	—
Alternative Strategies	Admiral	—	—
	Investor	VASF ^{4,7}	0.79

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
Factor			
U.S. Value Factor	ETF	VFVA	0.14%
	Admiral	—	—
U.S. Momentum Factor	ETF	VFMO	0.13
	Admiral	—	—
U.S. Quality Factor	ETF	VFQY	0.13
	Admiral	—	—
U.S. Liquidity Factor	ETF	VFLQ	0.14
	Admiral	—	—
U.S. Multifactor	ETF	VFMF	0.19
	Admiral	VFMFX	0.18
U.S. Minimum Volatility	ETF	VFMV	0.13
	Admiral	—	—
Global Minimum Volatility	Admiral	VMNVX	0.14
	Investor	VMVFX	0.21
International/global			
International Core Stock	Admiral	VZICX	0.35% ⁵
	Investor	VWICX	0.45 ⁵
International Growth	Admiral	VWILX	0.32
	Investor	VWIGX	0.43
International Value	Admiral	—	—
	Investor	VTRIX ⁴	0.37
International Explorer	Admiral	—	—
	Investor	VINEX ⁴	0.39
Global Equity	Admiral	—	—
	Investor	VHGEX ⁴	0.48
Global ESG Select Stock	Admiral	VEGEX	0.45 ⁵
	Investor	VEIGX	0.55 ⁵
Emerging Markets Select Stock	Admiral	—	—
	Investor	VMMSX ⁴	0.93

Balanced

STAR®	Admiral	—	—
	Investor	VGSTX ⁴	0.31%
Wellesley® Income	Admiral	VWIAX	0.16
	Investor	VWINX	0.23
Global Wellesley	Admiral	VGYAX	0.32
	Investor	VGWIX	0.42
Wellington™—CLOSED	Admiral	VWENX	0.17
	Investor	VWELX	0.25
Global Wellington	Admiral	VGWAX	0.36
	Investor	VGWLX	0.46
Managed Payout	Admiral	—	—
	Investor	VPGD ⁴	0.32

¹ As reported in each fund's most recent prospectus as of March 31, 2020. A fund's current expense ratio may be lower or higher than the figure shown.

² Admiral Shares require no investment minimum for financial intermediaries.

³ Minimum initial investment \$3,000 for Investor Shares except where noted.

⁴ No minimum investment required.

⁵ Estimated.

⁶ Includes an Institutional and/or Institutional Plus share class.

⁷ This fund is not available for health savings accounts, 529 plans, or defined contribution plans.

Active funds (continued)

Fixed income

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
Taxable			
Core Bond	Admiral	VCOBX	0.10%
	Investor	VCORX	0.25
GNMA	Admiral	VFIJX	0.11
	Investor	VFIIX	0.21
High-Yield Corporate	Admiral	VWEAX	0.13
	Investor	VWEHX	0.23
Inflation-Protected Securities ²	Admiral	VAIPX	0.10
	Investor	VIPSX	0.20
Intermediate-Term Treasury	Admiral	VFIUX	0.10
	Investor	VFITX	0.20
Intermediate-Term Investment-Grade	Admiral	VFIDX	0.10
	Investor	VFICX	0.20
Long-Term Investment-Grade	Admiral	VWETX	0.12
	Investor	VWESX	0.22
Long-Term Treasury	Admiral	VUSUX	0.10
	Investor	VUSTX	0.20
Short-Term Federal	Admiral	VSGDX	0.10
	Investor	VSGBX	0.20
Short-Term Investment-Grade ²	Admiral	VFSUX	0.10
	Investor	VFSTX	0.20
Short-Term Treasury	Admiral	VFIRX	0.10
	Investor	VFISX	0.20
Ultra-Short-Term Bond	Admiral	VUSFX	0.10
	Investor	VUBFX	0.20
Tax-exempt			
California Intermediate-Term Tax-Exempt	Admiral	VCADX	0.09%
	Investor	VCAIX	0.17
California Long-Term Tax-Exempt	Admiral	VCLAX	0.09
	Investor	VCITX	0.17
Massachusetts Tax-Exempt	Admiral	—	—
	Investor	VMATX ³	0.13
New Jersey Long-Term Tax-Exempt	Admiral	VNJUX	0.09
	Investor	VNJTX	0.17
New York Long-Term Tax-Exempt	Admiral	VNYUX	0.09
	Investor	VNYTX	0.17
Ohio Long-Term Tax-Exempt	Admiral	—	—
	Investor	VOHIX ³	0.13
Pennsylvania Long-Term Tax-Exempt	Admiral	VPALX	0.09
	Investor	VPAIX	0.17
High-Yield Tax-Exempt	Admiral	VWALX	0.09
	Investor	VWAHX	0.17
Intermediate-Term Tax-Exempt	Admiral	VWIUX	0.09
	Investor	VWITX	0.17
Long-Term Tax-Exempt	Admiral	VWLUX	0.09
	Investor	VWLTX	0.17
Limited-Term Tax-Exempt	Admiral	VMLUX	0.09
	Investor	VMLTX	0.17
Short-Term Tax-Exempt	Admiral	VWSUX	0.09
	Investor	VWSTX	0.17

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
International			
Emerging Markets Bond	Admiral	VEGBX	0.45%
	Investor	VEMBX	0.60
Global Credit Bond	Admiral	VGCAIX	0.25
	Investor	VGCIIX	0.35

Life-cycle funds

Vanguard fund	Share class	Ticker symbol	Expense ratio ¹
LifeStrategy^{®3}			
LifeStrategy Conservative Growth	Investor	VSCGX	0.12%
LifeStrategy Growth	Investor	VASGX	0.14
LifeStrategy Income	Investor	VASIX	0.11
LifeStrategy Moderate Growth	Investor	VSMGX	0.13
Target Retirement³			
Target Retirement Income	Investor	VTINX	0.12%
Target Retirement 2015	Investor	VTXVX	0.13
Target Retirement 2020	Investor	VTWNX	0.13
Target Retirement 2025	Investor	VTTVX	0.13
Target Retirement 2030	Investor	VTHRX	0.14
Target Retirement 2035	Investor	VTTHX	0.14
Target Retirement 2040	Investor	VFORX	0.14
Target Retirement 2045	Investor	VTIVX	0.15
Target Retirement 2050	Investor	VFIFX	0.15
Target Retirement 2055	Investor	VFFVX	0.15
Target Retirement 2060	Investor	VTTSX	0.15
Target Retirement 2065	Investor	VLXVX	0.15

¹ As reported in each fund's most recent prospectus as of March 31, 2020. A fund's current expense ratio may be lower or higher than the figure shown.

² Includes an Institutional and/or Institutional Plus share class.

³ No minimum investment required.

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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 investments are subject to risk, including the possible loss of the money you invest.

Investments in Target Retirement Funds are subject to the risks of their underlying funds. The year in the Fund name refers to the approximate year (the target date) when an investor in the Fund would retire and leave the workforce. The Fund will gradually shift its emphasis from more aggressive investments to more conservative ones based on its target date. An investment in the Target Retirement Fund is not guaranteed at any time, including on or after the target date.

The Emerging Markets Government Bond Fund is subject to the risk that an issuer will fail to make payments on time, and that bond prices will decline because of rising interest rates or negative perceptions of an issuer's ability to make payments. The Fund seeks to track the performance of an index that measures the investment return of dollar-denominated bonds issued by governments of emerging market countries (including government agencies and government-owned corporations). Because the Fund invests only in U.S. dollar-denominated bonds, U.S.-based shareholders are not subject to currency risk, although if an issuer's home currency declines relative to the U.S. dollar, it could negatively affect perceptions of the issuer's ability to make payments, which could cause the issuer's bonds to decline in value.



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The Emerging Markets Government Bond Fund is subject to risks including country/regional risk, which is the chance that political upheaval, financial troubles, or natural disasters will adversely affect the value of securities issued by foreign governments, and emerging market risk, which is the chance that bonds of governments located in emerging markets will be substantially more volatile and substantially less liquid than the bonds of governments located in more developed foreign markets.

Investors cannot invest directly in an index.

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