

Semiannual Report | April 30, 2021

Vanguard Mid-Cap Growth Fund

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About Your Fund's Expenses

As a shareholder of the fund, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a fund's gross income, directly reduce the investment return of the fund.

A fund's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your fund and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your fund's costs in two ways:

- **Based on actual fund return.** This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the fund's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the fund. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your fund under the heading "Expenses Paid During Period."

- **Based on hypothetical 5% yearly return.** This section is intended to help you compare your fund's costs with those of other mutual funds. It assumes that the fund had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the fund's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your fund's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the fund for buying and selling securities. Further, the expenses do not include any purchase, redemption, or account service fees described in the fund prospectus. If such fees were applied to your account, your costs would be higher. Your fund does not carry a "sales load."

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the fund's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your fund's current prospectus.

Six Months Ended April 30, 2021

	Beginning Account Value 10/31/2020	Ending Account Value 4/30/2021	Expenses Paid During Period
Mid-Cap Growth Fund			
Based on Actual Fund Return	\$1,000.00	\$1,280.50	\$1.92
Based on Hypothetical 5% Yearly Return	1,000.00	1,023.11	1.71

The calculations are based on expenses incurred in the most recent six-month period. The fund's annualized six-month expense ratio for that period is 0.34%. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (181/365).

Mid-Cap Growth Fund

Fund Allocation

As of April 30, 2021

Communication Services	6.8%
Consumer Discretionary	18.8
Consumer Staples	1.6
Financials	7.9
Health Care	19.9
Industrials	11.4
Information Technology	31.3
Materials	2.3

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Global Industry Classification Standard ("GICS"), except for the "Other" category (if applicable), which includes securities that have not been provided a GICS classification as of the effective reporting period.

Global Industry Classification Standard ("GICS") was developed by and is the exclusive property and a service mark of MSCI Inc. ("MSCI") and Standard and Poor's, a division of McGraw-Hill Companies, Inc. ("S&P"), and is licensed for use by Vanguard. Neither MSCI, S&P nor any third party involved in making or compiling the GICS or any GICS classification makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of its affiliates or any third party involved in making or compiling the GICS or any GICS classification have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

Financial Statements (unaudited)

Schedule of Investments

As of April 30, 2021

The fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

	Shares	Market Value* (\$000)
Common Stocks (96.4%)		
Communication Services (6.6%)		
* IAC/Inter Active Corp.	430,205	109,044
* Roku Inc.	178,602	61,255
* Match Group Inc.	346,952	53,996
* Twitter Inc.	819,913	45,275
* Live Nation Entertainment Inc.	402,145	32,928
* Take-Two Interactive Software Inc.	150,871	26,460
* ZoomInfo Technologies Inc. Class A	279,824	14,512
		343,470
Consumer Discretionary (18.1%)		
* Caesars Entertainment Inc.	1,167,752	114,253
* Lululemon Athletica Inc.	267,319	89,624
* Mattel Inc.	4,078,075	87,515
* Chipotle Mexican Grill Inc. Class A	54,238	80,925
* Burlington Stores Inc.	222,861	72,726
* Pool Corp.	105,050	44,386
* O'Reilly Automotive Inc.	77,982	43,115
* Darden Restaurants Inc.	271,486	39,832
* Planet Fitness Inc. Class A	432,625	36,336
* Floor & Decor Holdings Inc. Class A	292,985	32,498
* Ross Stores Inc.	235,526	30,840
* Domino's Pizza Inc.	66,120	27,925
* Advance Auto Parts Inc.	136,730	27,368
* ¹ Chewy Inc. Class A	328,940	26,223
* Bright Horizons Family Solutions Inc.	136,363	19,749
* Magnite Inc.	436,508	17,482
* Farfetch Ltd. Class A	323,170	15,832
* Carvana Co. Class A	55,299	15,775
* Marriott Vacations Worldwide Corp.	88,340	15,692
* Meritage Homes Corp.	139,750	14,868
* BorgWarner Inc. (XNYS)	300,426	14,595
* CarMax Inc.	99,720	13,287
* Nordstrom Inc.	355,180	13,028
* Dollar General Corp.	59,836	12,850
* Wingstop Inc.	71,493	11,325
* Etsy Inc.	53,903	10,715
* DraftKings Inc. Class A	158,447	8,978
* Chegg Inc.	96,825	8,746
		946,488

Mid-Cap Growth Fund

	Shares	Market Value* (\$'000)
Consumer Staples (1.5%)		
* Freshpet Inc.	232,522	42,975
* Boston Beer Co. Inc. Class A	29,210	35,533
		78,508
Financials (7.6%)		
MSCI Inc. Class A	151,051	73,376
* SVB Financial Group	122,171	69,861
LPL Financial Holdings Inc.	420,538	65,898
KKR & Co. Inc.	728,590	41,223
Aon plc Class A (XNYS)	147,489	37,085
MarketAxess Holdings Inc.	70,472	34,423
Western Alliance Bancorp	296,240	31,126
Hamilton Lane Inc. Class A	185,935	16,818
Moody's Corp.	44,364	14,494
Tradeweb Markets Inc. Class A	129,305	10,510
		394,814
Health Care (19.2%)		
* Align Technology Inc.	104,645	62,319
* Insulet Corp.	199,310	58,840
* Exact Sciences Corp.	377,532	49,766
* Veeva Systems Inc. Class A	162,910	46,014
West Pharmaceutical Services Inc.	123,220	40,480
* DexCom Inc.	101,901	39,344
* Horizon Therapeutics plc	408,866	38,687
* Novocure Ltd.	184,300	37,616
* Charles River Laboratories International Inc.	108,840	36,184
* Moderna Inc.	191,451	34,235
Royalty Pharma plc Class A	700,280	30,812
ResMed Inc.	162,673	30,578
* IDEXX Laboratories Inc.	54,741	30,052
* Seagen Inc.	196,551	28,256
* Incyte Corp.	328,742	28,068
Agilent Technologies Inc.	183,619	24,539
AmerisourceBergen Corp. Class A	193,020	23,317
STERIS plc	97,948	20,669
Teleflex Inc.	48,713	20,580
Encompass Health Corp.	239,450	20,320
* Guardant Health Inc.	119,195	18,950
* Amedisys Inc.	69,469	18,746
* SmileDirectClub Inc.	1,739,540	18,500
Alcon Inc.	215,306	16,241
* 10X Genomics Inc. Class A	80,800	15,982
* Molina Healthcare Inc.	61,020	15,566
* Teladoc Health Inc.	88,290	15,217
* Centene Corp.	241,193	14,891
* Omnicell Inc.	99,174	14,382
* Hologic Inc.	200,200	13,123
* Apellis Pharmaceuticals Inc.	250,910	12,714
* Illumina Inc.	32,249	12,669
* Natera Inc.	114,361	12,582
* Fate Therapeutics Inc.	143,190	12,513
* ABIOMED Inc.	38,153	12,237
* Edwards Lifesciences Corp.	123,882	11,833
* Sage Therapeutics Inc.	149,180	11,750
Humana Inc.	26,301	11,710

Mid-Cap Growth Fund

	Shares	Market Value* (\$'000)
* Iovance Biotherapeutics Inc.	328,290	10,322
Cooper Cos. Inc.	22,964	9,436
* BioMarin Pharmaceutical Inc.	117,894	9,186
* Signify Health Inc. Class A	277,788	7,875
* Abcam plc ADR	278,681	5,975
		1,003,076
Industrials (11.0%)		
Cintas Corp.	128,030	44,188
* Builders FirstSource Inc.	778,799	37,904
* Middleby Corp.	189,330	34,329
Quanta Services Inc.	318,320	30,762
* CoStar Group Inc.	33,820	28,897
* Axon Enterprise Inc.	179,770	27,255
* Generac Holdings Inc.	78,620	25,469
* MasTec Inc.	221,970	23,165
Waste Connections Inc.	180,720	21,526
TransUnion	201,592	21,085
Carrier Global Corp.	478,700	20,862
* Trex Co. Inc.	191,540	20,684
Knight-Swift Transportation Holdings Inc.	417,388	19,667
BVX Technologies Inc.	277,991	18,603
Pentair plc	286,150	18,460
Ritchie Bros Auctioneers Inc.	286,240	18,205
Fortune Brands Home & Security Inc.	173,113	18,173
IDEX Corp.	80,950	18,149
* Stericycle Inc.	233,216	17,790
Advanced Drainage Systems Inc.	157,280	17,562
JB Hunt Transport Services Inc.	100,285	17,120
Leidos Holdings Inc.	143,051	14,488
Booz Allen Hamilton Holding Corp. Class A	153,060	12,696
* Chart Industries Inc.	72,800	11,694
KBR Inc.	293,557	11,613
Verisk Analytics Inc. Class A	61,040	11,488
* Hexcel Corp.	202,057	11,398
		573,232
Information Technology (30.2%)		
* Twilio Inc. Class A	310,689	114,271
* Square Inc. Class A	453,140	110,938
* RingCentral Inc. Class A	265,750	84,761
* Paycom Software Inc.	196,900	75,690
Microchip Technology Inc.	503,398	75,656
* Wix.com Ltd.	232,860	74,022
* Palo Alto Networks Inc.	206,296	72,903
KLA Corp.	215,341	67,908
* Coupa Software Inc.	194,353	52,289
* Synopsys Inc.	194,340	48,014
Global Payments Inc.	198,485	42,601
Lam Research Corp.	66,759	41,421
* Okta Inc.	136,169	36,725
Marvell Technology Inc.	742,555	33,571
Entegris Inc.	291,380	32,804
* Zendesk Inc.	217,210	31,745
* DocuSign Inc. Class A	130,140	29,013
* GoDaddy Inc. Class A	329,709	28,625
* Trimble Inc.	342,760	28,106

Mid-Cap Growth Fund

	Shares	Market Value* (\$'000)
* MongoDB Inc.	90,768	27,000
Monolithic Power Systems Inc.	71,942	25,998
Dolby Laboratories Inc. Class A	246,820	25,045
* Five9 Inc.	132,773	24,957
* Keysight Technologies Inc.	166,540	24,040
CDW Corp.	130,509	23,274
* Cree Inc.	229,522	22,819
* Advanced Micro Devices Inc.	265,554	21,674
* CrowdStrike Holdings Inc. Class A	102,060	21,281
* Lightspeed POS Inc. (XTSE)	295,760	20,647
* Lattice Semiconductor Corp.	396,580	19,952
Genpact Ltd.	411,705	19,568
Amphenol Corp. Class A	285,174	19,204
* Nuance Communications Inc.	353,501	18,796
* Bill.Com Holdings Inc.	101,220	15,652
* Workday Inc. Class A	59,503	14,697
* WEX Inc.	71,340	14,640
* Autodesk Inc.	49,746	14,521
* Fair Isaac Corp.	25,180	13,129
* Dropbox Inc. Class A	504,152	12,957
* Varonis Systems Inc.	244,117	12,926
* Guidewire Software Inc.	120,466	12,710
* Gartner Inc.	61,800	12,105
* Atlassian Corp. plc Class A	45,951	10,916
* Shift4 Payments Inc. Class A	98,075	9,699
* Tyler Technologies Inc.	22,585	9,595
* Repay Holdings Corp.	408,248	9,328
* Avalara Inc.	63,555	9,006
* Medallia Inc.	278,948	8,226
		1,575,425
Materials (2.2%)		
Ball Corp.	359,383	33,653
FMC Corp.	193,915	22,928
Scotts Miracle-Gro Co.	85,110	19,674
Sherwin-Williams Co.	70,390	19,278
Vulcan Materials Co.	105,306	18,770
		114,303
Total Common Stocks (Cost \$3,298,003)		5,029,316
Temporary Cash Investments (3.8%)		
Money Market Fund (3.8%)		
2,3 Vanguard Market Liquidity Fund, 0.068% (Cost \$199,038)	1,990,631	199,063
Total Investments (100.2%) (Cost \$3,497,041)		5,228,379
Other Assets and Liabilities—Net (-0.2%)		(8,733)
Net Assets (100%)		5,219,646

Cost is in \$'000.

• See Note A in Notes to Financial Statements.

* Non-income-producing security.

1 Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$2,242,000.

2 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

3 Collateral of \$2,431,000 was received for securities on loan.

ADR—American Depositary Receipt.

Mid-Cap Growth Fund

Derivative Financial Instruments Outstanding as of Period End

Futures Contracts

				(\$000)
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)
<hr/>				
Long Futures Contracts				
<hr/>				
E-mini S&P 500 Index	June 2021	681	142,138	5,147
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See accompanying Notes, which are an integral part of the Financial Statements.

Statement of Assets and Liabilities

As of April 30, 2021

(\$000s, except shares and per-share amounts)	Amount
Assets	
Investments in Securities, at Value	
Unaffiliated Issuers (Cost \$3,298,003)	5,029,316
Affiliated Issuers (Cost \$199,038)	199,063
Total Investments in Securities	5,228,379
Investment in Vanguard	181
Cash Collateral Pledged—Futures Contracts	7,491
Receivables for Investment Securities Sold	25,419
Receivables for Accrued Income	499
Receivables for Capital Shares Issued	2,628
Total Assets	5,264,597
Liabilities	
Due to Custodian	14
Payables for Investment Securities Purchased	36,104
Collateral for Securities on Loan	2,431
Payables to Investment Advisor	1,948
Payables for Capital Shares Redeemed	3,037
Payables to Vanguard	432
Variation Margin Payable—Futures Contracts	985
Total Liabilities	44,951
Net Assets	5,219,646

At April 30, 2021, net assets consisted of:

Paid-in Capital	2,920,787
Total Distributable Earnings (Loss)	2,298,859
Net Assets	5,219,646

Net Assets

Applicable to 144,958,210 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	5,219,646
Net Asset Value Per Share	\$36.01

Statement of Operations

Six Months Ended
April 30, 2021

	(\$000)
Investment Income	
Income	
Dividends	7,904
Interest ¹	82
Securities Lending—Net	15
Total Income	8,001
Expenses	
Investment Advisory Fees—Note B	
Basic Fee	4,747
Performance Adjustment	(1,156)
The Vanguard Group—Note C	
Management and Administrative	4,813
Marketing and Distribution	186
Custodian Fees	21
Shareholders' Reports	8
Trustees' Fees and Expenses	1
Total Expenses	8,620
Expenses Paid Indirectly	(118)
Net Expenses	8,502
Net Investment Income (Loss)	(501)
Realized Net Gain (Loss)	
Investment Securities Sold ¹	552,384
Futures Contracts	20,445
Realized Net Gain (Loss)	572,829
Change in Unrealized Appreciation (Depreciation)	
Investment Securities ¹	625,144
Futures Contracts	7,908
Change in Unrealized Appreciation (Depreciation)	633,052
Net Increase (Decrease) in Net Assets Resulting from Operations	1,205,380

¹ Interest income, realized net gain (loss), and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$81,000, (\$12,000), and \$0, respectively. Purchases and sales are for temporary cash investment purposes.

Statement of Changes in Net Assets

	Six Months Ended April 30, 2021	Year Ended October 31, 2020
	(\$000)	(\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	(501)	11,011
Realized Net Gain (Loss)	572,829	329,134
Change in Unrealized Appreciation (Depreciation)	633,052	373,276
Net Increase (Decrease) in Net Assets Resulting from Operations	1,205,380	713,421
Distributions		
Total Distributions	(305,267)	(446,385)
Capital Share Transactions		
Issued	455,141	747,451
Issued in Lieu of Cash Distributions	290,789	427,134
Redeemed	(840,714)	(1,563,492)
Net Increase (Decrease) from Capital Share Transactions	(94,784)	(388,907)
Total Increase (Decrease)	805,329	(121,871)
Net Assets		
Beginning of Period	4,414,317	4,536,188
End of Period	5,219,646	4,414,317

See accompanying Notes, which are an integral part of the Financial Statements.

Financial Highlights

For a Share Outstanding Throughout Each Period	Six Months, Ended April 30,		Year Ended October 31,			
	2021	2020	2019	2018	2017	2016
Net Asset Value, Beginning of Period	\$29.89	\$27.93	\$28.08	\$26.51	\$21.75	\$24.88
Investment Operations						
Net Investment Income (Loss)	(.003) ¹	.068 ¹	.074 ¹	.114 ¹	.093 ¹	.147 ²
Net Realized and Unrealized Gain (Loss) on Investments	8.237	4.680	3.027	2.379	4.817	(1.437)
Total from Investment Operations	8.234	4.748	3.101	2.493	4.910	(1.290)
Distributions						
Dividends from Net Investment Income	(.051)	(.067)	(.099)	(.095)	(.150)	(.070)
Distributions from Realized Capital Gains	(2.063)	(2.721)	(3.152)	(.828)	—	(1.770)
Total Distributions	(2.114)	(2.788)	(3.251)	(.923)	(.150)	(1.840)
Net Asset Value, End of Period	\$36.01	\$29.89	\$27.93	\$28.08	\$26.51	\$21.75
Total Return³	28.05%	18.33%	13.56%	9.61%	22.69%	-5.49%
Ratios/Supplemental Data						
Net Assets, End of Period (Millions)	\$5,220	\$4,414	\$4,536	\$4,161	\$4,240	\$3,980
Ratio of Total Expenses to Average Net Assets ⁴	0.34%	0.34%	0.36%	0.36%	0.36%	0.36%
Ratio of Net Investment Income (Loss) to Average Net Assets	(0.02)%	0.25%	0.27%	0.40%	0.39%	0.64% ²
Portfolio Turnover Rate	43%	74%	111%	75%	118%	91%

The expense ratio and net investment income ratio for the current period have been annualized.

1 Calculated based on average shares outstanding.

2 Net investment income per share and the ratio of net investment income to average net assets include \$0.018 and 0.08%, respectively, resulting from a special dividend from Transdigm Group in October 2016.

3 Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

4 Includes performance-based investment advisory fee increases (decreases) of (0.05%), (0.05%), (0.02%), (0.04%), (0.05%), and (0.04%).

Notes to Financial Statements

Vanguard Mid-Cap Growth Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. Market disruptions associated with the COVID-19 pandemic have had a global impact, and uncertainty exists as to the long-term implications. Such disruptions can adversely affect assets of the fund and thus fund performance.

A. The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The fund consistently follows such policies in preparing its financial statements.

1. **Security Valuation:** Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been materially affected by events occurring before the fund's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the board of trustees to represent fair value. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value. Temporary cash investments are valued using the latest bid prices or using valuations based on a matrix system (which considers such factors as security prices, yields, maturities, and ratings), both as furnished by independent pricing services.

2. **Futures Contracts:** The fund uses index futures contracts to a limited extent, with the objective of maintaining full exposure to the stock market while maintaining liquidity. The fund may purchase or sell futures contracts to achieve a desired level of investment, whether to accommodate portfolio turnover or cash flows from capital share transactions. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the fund and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the fund trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the fund's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the six months ended April 30, 2021, the fund's average investments in long and short futures contracts represented 3% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

3. **Federal Income Taxes:** The fund intends to continue to qualify as a regulated investment company and distribute all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is

generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.

4. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.

5. Securities Lending: To earn additional income, the fund lends its securities to qualified institutional borrowers. Security loans are subject to termination by the fund at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The fund further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the fund may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the fund; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the fund may experience delays and costs in recovering the securities loaned. The fund invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on loan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the fund is entitled to all distributions made on or in respect of the loaned securities.

6. Credit Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes, subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility; these fees are allocated to the funds based on a method approved by the fund's board of trustees and included in Management and Administrative expenses on the fund's Statement of Operations. Any borrowings under either facility bear interest at a rate based upon the higher of the one-month London Interbank Offered Rate (or an acceptable alternate rate, if necessary), federal funds effective rate, or overnight bank funding rate plus an agreed-upon spread, except that borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and

borrowings normally extend overnight, but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the six months ended April 30, 2021, the fund did not utilize the credit facilities or the Interfund Lending Program.

7. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Premiums and discounts on debt securities are amortized and accreted, respectively, to interest income over the lives of the respective securities, except for premiums on certain callable debt securities that are amortized to the earliest call date. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.

B. The investment advisory firms Victory Capital Management Inc., through its RS Investments franchise, Frontier Capital Management Co., LLC, and Wellington Management Company LLP, each provide investment advisory services to a portion of the fund for a fee calculated at an annual percentage rate of average net assets managed by the advisor. The basic fee of Victory Capital Management Inc. is subject to quarterly adjustments based on performance relative to the Russell Midcap Growth Index for the preceding three years. The basic fees of Frontier Capital Management Co., LLC, and Wellington Management Company LLP are subject to quarterly adjustments based on performance relative to the Russell Midcap Growth Index since January 31, 2019.

Vanguard manages the cash reserves of the fund as described below.

For the six months ended April 30, 2021, the aggregate investment advisory fee paid to all advisors represented an effective annual basic rate of 0.19% of the fund's average net assets, before a net decrease of \$1,156,000 (0.05%) based on performance.

C. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the fund, Vanguard furnishes to the fund corporate management, administrative, marketing, distribution and cash management services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the fund based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At April 30, 2021, the fund had contributed to Vanguard capital in the amount of \$181,000, representing less than 0.01% of the fund's net assets and 0.07% of Vanguard's capital received pursuant to the FSA. The fund's trustees and officers are also directors and employees, respectively, of Vanguard.

D. The fund has asked its investment advisors to direct certain security trades, subject to obtaining the best price and execution, to brokers who have agreed to rebate to the fund part of the commissions generated. Such rebates are used solely to reduce the fund's management and administrative expenses. For the six months ended April 30, 2021, these arrangements reduced the fund's expenses by \$118,000 (an annual rate of less than 0.01% of average net assets).

E. Various inputs may be used to determine the value of the fund's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.

Level 1—Quoted prices in active markets for identical securities.

Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3—Significant unobservable inputs (including the fund's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

At April 30, 2021, 100% of the market value of the fund's investments and derivatives was determined based on Level 1 inputs.

F. As of April 30, 2021, gross unrealized appreciation and depreciation for investments, based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	3,508,506
Gross Unrealized Appreciation	1,759,920
Gross Unrealized Depreciation	(34,900)
Net Unrealized Appreciation (Depreciation)	1,725,020

G. During the six months ended April 30, 2021, the fund purchased \$2,072,485,000 of investment securities and sold \$2,458,906,000 of investment securities, other than temporary cash investments.

H. Capital shares issued and redeemed were:

	Six Months Ended April 30, 2021	Year Ended October 31, 2020
	Shares (000)	Shares (000)
Issued	13,272	27,947
Issued in Lieu of Cash Distributions	8,647	16,191
Redeemed	(24,667)	(58,817)
Net Increase (Decrease) in Shares Outstanding	(2,748)	(14,679)

I. Management has determined that no events or transactions occurred subsequent to April 30, 2021, that would require recognition or disclosure in these financial statements.

Trustees Approve Advisory Arrangements

The board of trustees of Vanguard Mid-Cap Growth Fund has renewed the fund's investment advisory arrangements with Frontier Capital Management Co., LLC (Frontier Capital), Victory Capital Management Inc. (Victory Capital), and Wellington Management Company LLP (Wellington Management). The board determined that renewing the fund's advisory arrangements was in the best interests of the fund and its shareholders.

The board based its decisions upon an evaluation of each advisor's investment staff, portfolio management process, and performance. This evaluation included information provided to the board by Vanguard's Portfolio Review Department, which is responsible for fund and advisor oversight and product management. The Portfolio Review Department met regularly with the advisors and made monthly presentations to the board during the fiscal year that directed the board's focus to relevant information and topics.

The board, or an investment committee made up of board members, also received information throughout the year during advisor presentations. For each advisor presentation, the board was provided with letters and reports that included information about, among other things, the advisory firm and the advisor's assessment of the investment environment, portfolio performance, and portfolio characteristics.

In addition, the board received monthly reports, which included a Market and Economic Report, a Fund Dashboard Monthly Summary, and a Fund Performance Report.

Prior to their meeting, the trustees were provided with a memo and materials that summarized the information they received over the course of the year. They also considered the factors discussed below, among others. However, no single factor determined whether the board approved the arrangements. Rather, it was the totality of the circumstances that drove the board's decision.

Nature, extent, and quality of services

The board reviewed the quality of the fund's investment management services over both the short and long term, and took into account the organizational depth and stability of each advisor. The board considered the following:

Frontier Capital. Frontier Capital, a Boston-based investment management firm founded in 1980, is an affiliate of Affiliated Managers Group, Inc. Frontier Capital employs a fundamental, bottom-up, and research-intensive investment approach to select mid-capitalization growth stocks. Frontier Capital seeks companies with above-average mid-cap growth prospects and competitive advantages that will allow them to earn superior rates of return on capital over a business cycle. The approach attempts to balance growth prospects with reasonable valuation and is long-term in nature; investment time frames are typically three to five years. Frontier Capital has managed a portion of the fund since 2018.

Victory Capital. Victory Capital, a wholly owned subsidiary of Victory Capital Holdings, Inc., is a multi-boutique investment firm that comprises multiple investment teams, referred to as investment franchises, each of which utilizes an independent approach to investing. RS Investments, founded in 1986, is the franchise responsible for the day-to-day management of a

portion of the Mid-Cap Growth Fund. RS Investments utilizes fundamental research to identify companies with sustainable growth trajectories. Risk management is integrated into the team's process to mitigate the negative impact of any single position. Victory Capital, through its RS Investments franchise, has managed a portion of the fund since 2016.

Wellington Management. Wellington Management, founded in 1928, is among the nation's oldest and most respected institutional managers. Wellington Management uses traditional methods of stock selection—fundamental research and analysis—to identify companies that it believes have above-average growth prospects. Wellington Management believes there is a short-term bias in equity markets that rewards near-term cyclical growth and creates opportunity for long-term growth. The team focuses on sustainable earnings power and develops bottom-up valuations based on return on investment capital forecasts, price-to-sales, and quantitative risk factors. Wellington Management seeks to control risk by emphasizing larger positions in established growth stocks and holding smaller positions in emerging names. Wellington Management has managed a portion of the fund since 2018.

The board concluded that each advisor's experience, stability, depth, and performance, among other factors, warranted continuation of the advisory arrangements.

Investment performance

The board considered the short-, long-term, and since inception performance, as applicable, of each advisor's subportfolio, including any periods of outperformance or underperformance compared with a relevant benchmark index and peer group. The board concluded that the performance was such that the advisory arrangements should continue.

Cost

The board concluded that the fund's expense ratio was well below the average expense ratio charged by funds in its peer group and that the fund's advisory fee rates were also well below the peer-group average.

The board did not consider the profitability of Frontier Capital, Victory Capital, or Wellington Management in determining whether to approve the advisory fees, because the firms are independent of Vanguard and the advisory fees are the result of arm's-length negotiations.

The benefit of economies of scale

The board concluded that the fund's shareholders benefit from economies of scale because of breakpoints in the advisory fee schedules for Frontier Capital, Victory Capital, and Wellington Management. The breakpoints reduce the effective rate of the fees as the fund's assets managed by each advisor increase.

The board will consider whether to renew the advisory arrangements again after a one-year period.

Liquidity Risk Management

Vanguard funds (except for the money market funds) have adopted and implemented a written liquidity risk management program (the “Program”) as required by Rule 22e-4 under the Investment Company Act of 1940. Rule 22e-4 requires that each fund adopt a program that is reasonably designed to assess and manage the fund’s liquidity risk, which is the risk that the fund could not meet redemption requests without significant dilution of remaining investors’ interests in the fund.

Assessment and management of a fund’s liquidity risk under the Program take into consideration certain factors, such as the fund’s investment strategy and the liquidity of its portfolio investments during normal and reasonably foreseeable stressed conditions, its short- and long-term cash-flow projections during both normal and reasonably foreseeable stressed conditions, and its cash and cash-equivalent holdings and access to other funding sources. As required by the rule, the Program includes policies and procedures for classification of fund portfolio holdings in four liquidity categories, maintaining certain levels of highly liquid investments, and limiting holdings of illiquid investments.

The board of trustees of Vanguard Whitehall Funds approved the appointment of liquidity risk management program administrators responsible for administering Vanguard Mid-Cap Growth Fund’s Program and for carrying out the specific responsibilities set forth in the Program, including reporting to the board on at least an annual basis regarding the Program’s operation, its adequacy, and the effectiveness of its implementation for the past year (the “Program Administrator Report”). The board has reviewed the Program Administrator Report covering the period from January 1, 2020, through December 31, 2020 (the “Review Period”). The Program Administrator Report stated that during the Review Period the Program operated and was implemented effectively to manage the fund’s liquidity risk.

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You can review information about your fund on the SEC's website, and you can receive copies of this information, for a fee, by sending a request via email addressed to publicinfo@sec.gov.