

John Hancock Disciplined Value Mid Cap Fund

Morningstar Category

Mid-Cap Value

Investment Objective & Strategy

The investment seeks long-term growth of capital with current income as a secondary objective.

Under normal circumstances, the fund seeks to achieve its investment objectives by investing at least 80% of its net assets (including borrowings for investment purposes) in a diversified portfolio consisting primarily of equity securities, such as common stocks, of issuers with medium market capitalizations, and identified by the manager as having value characteristics. It may also invest up to 20% of its total assets in foreign currency-denominated securities.

Operations and Management

Initial Inception Date	06-03-97
Management Company	John Hancock Investment Management LLC
Issuer	John Hancock

Volatility Analysis

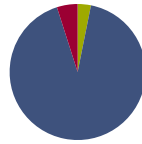


In the past, this investment has shown a wide range of price fluctuations relative to other investments. This investment may experience significant price increases in favorable markets or undergo large price declines in adverse markets. Some of this risk may be offset by owning other investments that follow different investment strategies.

Notes

Portfolio Analysis

Composition as of 05-31-22



	% Assets
U.S. Stocks	91.9
Non-U.S. Stocks	4.9
Bonds	0.0
Cash	3.2
Other	0.0

Top 20 Holdings as of 05-31-22

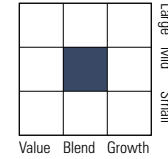
	% Assets
Ameriprise Financial Inc	2.21
Fifth Third Bancorp	1.96
AutoZone Inc	1.72
Schlumberger Ltd	1.64
CenterPoint Energy Inc	1.62
KeyCorp	1.48
Dover Corp	1.36
Huntington Bancshares Inc	1.34
Corteva Inc	1.26
Discover Financial Services	1.26
Icon PLC	1.26
TE Connectivity Ltd	1.26
East West Bancorp Inc	1.25
AMETEK Inc	1.23
Pioneer Natural Resources Co	1.23
Eaton Corp PLC	1.20
Marathon Petroleum Corp	1.19
ConocoPhillips	1.13
Howmet Aerospace Inc	1.10
AmerisourceBergen Corp	1.08

Total Number of Stock Holdings	134
Total Number of Bond Holdings	0
Annual Turnover Ratio %	26.00

Principal Risks

Foreign Securities, Loss of Money, Not FDIC Insured, Value Investing, High Portfolio Turnover, Market/Market Volatility, Equity Securities, Industry and Sector Investing, IPO, Other, Restricted/Illiquid Securities, Regulation/Government Intervention, Management, Mid-Cap

Morningstar Equity Style Box™ as of 05-31-22



	% Mkt Cap
Giant	0.00
Large	32.59
Medium	57.46
Small	9.95
Micro	0.00

Morningstar Equity Sectors as of 05-31-22

	% Fund
Cyclical	43.26
Basic Materials	5.55
Consumer Cyclical	13.93
Financial Services	16.54
Real Estate	7.24
Sensitive	41.27
Communication Services	0.54
Energy	9.46
Industrials	18.48
Technology	12.79
Defensive	15.47
Consumer Defensive	2.40
Healthcare	8.39
Utilities	4.68

Disclosure

Investment options are subaccounts in an insurance company separate account maintained by United of Omaha Life Insurance Company for contracts issued in all states except New York, and by Companion Life Insurance Company for contracts issued in New York, that invests in the underlying mutual fund/collective trust investments or is managed by the specified investment manager. All funds may not be available as an investment option in a plan.

Composition Graph

The Long/Short/Net bar chart replaces the Composition pie chart when a fund invests in shorts and derivatives. The overall net percentage value of each investment class is displayed. A short is any security in which a negative position is taken where the portfolio manager looks to profit from falling prices. A derivative is any future, forward, option or swap contract that provides exposure to assets like stocks, bonds, or commodities. Derivatives are also used to manage risk or to act on a view about the economy.

Morningstar Style Box™

The Morningstar Style Box™ reveals a fund's investment strategy as of the date noted on this report.

For equity funds, the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend, or growth.) A darkened cell in the style box matrix indicates the weighted average style of the portfolio.

For portfolios holding fixed-income investments, a Fixed Income Style Box is calculated. The vertical axis shows the credit quality based on credit ratings and the horizontal axis shows interest-rate sensitivity as measured by effective duration. There are three credit categories - "High", "Medium", and "Low"; and there are three interest rate sensitivity categories - "Limited", "Moderate", and "Extensive"; resulting in nine possible combinations. As in the Equity Style Box, the combination of credit and interest rate sensitivity for a portfolio is represented by a darkened square in the matrix. Morningstar uses credit rating information from credit rating agencies (CRAs) that have been designated Nationally Recognized Statistical Rating Organizations (NRSROs) by the Securities and Exchange Commission (SEC) in the United States. For a list of all NRSROs, please visit <https://www.sec.gov/ocr/ocr-current-nrsros.html>. Additionally, Morningstar will use credit ratings from CRAs which have been recognized by foreign regulatory institutions that are deemed the equivalent of the NRSRO designation. To determine the rating applicable to a holding and the subsequent holding weighted value of a portfolio two methods may be employed. First is a common methodology approach where if a case exists such that two CRAs have rated a holding, the lower rating of the two should be applied; if three or more CRAs have rated a holding, the median rating should be applied; and in cases where there are more than two ratings and a median rating cannot be determined, the lower of the two middle ratings should be applied. Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. Credit ratings for any security held in a portfolio can change over time. Morningstar uses the credit rating information to calculate a weighted-average credit quality value for the portfolio. This value is based only upon those holdings which are considered to be classified as "fixed

income", such as government, corporate, or securitized issues. Other types of holdings such as equities and many, though not all, types of derivatives are excluded. The weighted-average credit quality value is represented by a rating symbol which corresponds to the long-term rating symbol schemas employed by most CRAs. Note that this value is not explicitly published but instead serves as an input in the Style Box calculation. This symbol is then used to map to a Style Box credit quality category of "low," "medium," or "high". Funds with a "low" credit quality category are those whose weighted-average credit quality is determined to be equivalent to the commonly used High Yield classification, meaning a rating below "BBB", portfolios assigned to the "high" credit category have either a "AAA" or "AA+" average credit quality value, while "medium" are those with an average rating of "AA-" inclusive to "BBB-". It is expected and intended that the majority of portfolios will be assigned a credit category of "medium".

For assignment to an interest-rate sensitivity category, Morningstar uses the average effective duration of the portfolio. From this value there are three distinct methodologies employed to determine assignment to category. Portfolio which are assigned to Morningstar municipal-bond categories employ static breakpoints between categories. These breakpoints are: "Limited" equal to 4.5 years or less, "Moderate" equal to 4.5 years to less than 7 years; and "Extensive" equal to more than 7 years. For portfolios assigned to Morningstar categories other than U.S. Taxable, including all domiciled outside the United States, static duration breakpoints are also used: "Limited" equals less than or equal to 3.5 years, "Moderate" equals greater than 3.5 years but less than or equal to 6 years, and "Extensive" is assigned to portfolios with effective durations of more than 6 years. Note: Interest-rate sensitivity for non-U.S. domiciled portfolios (excluding those in Morningstar convertible categories) may be assigned using average modified duration when average effective duration is not available.

For portfolios Morningstar classifies as U.S. Taxable Fixed-Income, interest-rate sensitivity category assignment is based on the effective duration of the Morningstar Core Bond Index (MCBI). The classification assignment is dynamically determined relative to the benchmark index value. A "Limited" category will be assigned to portfolios whose average effective duration is between 25% to 75% of MCBI average effective duration, where the average effective duration is between 75% to 125% of the MCBI the portfolio will be classified as "Moderate", and those portfolios with an average effective duration value 125% or greater of the average effective duration of the MCBI will be classified as "Extensive".

Annual Turnover Ratio

A proxy for how frequently a manager trades his or her portfolio.

Investment options are offered through a group variable annuity contract (Forms 902-GAQC-09, 903-GAQC-14, 903-GAQC-14 FL, 903-GAQC-14 MN, 903-GAQC-14 OR, 903-GAQC-14 TX, or state equivalent) underwritten by United of Omaha Life Insurance Company for contracts issued in all states except New York. United of Omaha Life Insurance

Company, Omaha, NE 68175 is licensed nationwide except in New York. Companion Life Insurance Company, Melville, NY 11747 is licensed in New York and underwrites the group variable annuity (Form 900-GAQC-07(NY)). Each company accepts full responsibility for each of their respective contractual obligations under the contract but does not guarantee any contributions or investment returns except as to the Guaranteed Account and the Lifetime Guaranteed Income Account as provided under the contract. Specific features of the Lifetime Guaranteed Income Account vary by state. Restrictions apply. The Lifetime Guaranteed Income Account is not available in Nevada or New York. Neither United of Omaha Life Insurance Company, Companion Life Insurance Company, nor their representatives or affiliates offers investment advice in connection with the contract. In addition, United of Omaha Life Insurance Company, Companion Life Insurance Company, their representatives and affiliates are not undertaking to provide impartial investment advice or to give advice in a fiduciary capacity.

Group variable annuities are long-term investment vehicles designed to accumulate money on a tax-deferred basis for retirement purposes. Distributions may be subject to ordinary income tax and, if taken prior to age 59½, a 10 percent federal tax penalty may apply. Investing in a group variable annuity involves risk, including possible loss of principal.

Group annuity contract (Form 728 LGAM-U-Rev. and Form 728-LGAI-U-Rev.) is issued by United of Omaha Life Insurance Company, Omaha, NE 68175, which accepts full responsibility for all its contractual obligations under the contract. Payments and values provided by this contract that are based on investment results of the separate account are variable and specific dollar amounts are not guaranteed. Investment options are offered through a group annuity separate account rider (Form 625-GAQR-09, Form 625-GAQR-09(VA) or Form 625-GAQR-11) underwritten by United of Omaha Life Insurance Company, Omaha, NE 68175, which accepts full responsibility for all of United's contractual obligations under the rider but does not guarantee any contributions or investment returns except as to the Guaranteed Account, as provided under the rider. Neither United of Omaha Life Insurance Company nor its representatives or affiliates offers investment advice in connection with the rider. For a complete product description, including benefits and limitations, please refer to the contract. This product is not available in New York, Oklahoma, or Puerto Rico.

Investment options are offered through a group annuity contract (Forms 728-GAQC-13, 728-GAQC-13 MN, 728-GAQC-13 OR, or state equivalent) underwritten by United of Omaha Insurance Company, which accepts full responsibility for all its contractual obligations under the contract. This product is not available in New York.

Employers and Plan Participants: Prior to selecting investment options you should consider the investment objectives, risks, fees and expenses of each option carefully. For this and other important information, plan sponsors should review the fee disclosure document or the plan sponsor website. Participants should review enrollment materials or the participant website. Read this information carefully.

Disclosure

For informational purposes only. Should not be construed as legal or investment advice, a promise of benefit or guarantee of investment performance.

The performance data quoted represents past performance which does not guarantee future results. Current performance may be lower or higher than those shown. The investment return and principal value will change with market conditions, so when redeemed, you may have a gain or loss.

Not FDIC Insured - May Lose Value - No Bank Guarantee