

# John Hancock Small Cap Core Fund

Quarterly portfolio holdings 1/31/2023

 Investment Management

# Fund's investments

## As of 1-31-23 (unaudited)

	Shares	Value
<b>Common stocks 97.0%</b>		<b>\$1,806,866,302</b>
(Cost \$1,720,314,255)		
<b>Communication services 7.3%</b>		<b>136,579,943</b>
<b>Entertainment 3.0%</b>		
Madison Square Garden Sports Corp.	196,016	35,643,549
Sciplay Corp., Class A (A)(B)	1,163,646	19,770,346
<b>Interactive media and services 3.3%</b>		
CarGurus, Inc. (B)	977,616	17,254,922
Yelp, Inc. (B)	716,965	22,591,567
Ziff Davis, Inc. (B)	244,119	21,843,768
<b>Media 1.0%</b>		
WideOpenWest, Inc. (B)	1,695,021	19,475,791
<b>Consumer discretionary 9.8%</b>		<b>182,181,621</b>
<b>Auto components 0.9%</b>		
Stoneridge, Inc. (B)	712,001	17,557,945
<b>Household durables 2.6%</b>		
Newell Brands, Inc.	892,357	14,242,018
Universal Electronics, Inc. (A)(B)	686,871	16,093,388
Vizio Holding Corp., Class A (B)	2,102,427	18,417,261
<b>Leisure products 1.0%</b>		
Malibu Boats, Inc., Class A (B)	292,990	17,752,264
<b>Specialty retail 4.0%</b>		
Boot Barn Holdings, Inc. (B)	440,006	36,736,100
Lithia Motors, Inc.	139,504	36,717,453
<b>Textiles, apparel and luxury goods 1.3%</b>		
Columbia Sportswear Company	257,197	24,665,192
<b>Consumer staples 2.9%</b>		<b>54,503,895</b>
<b>Food and staples retailing 1.0%</b>		
United Natural Foods, Inc. (B)	434,337	18,077,106
<b>Household products 1.9%</b>		
Central Garden & Pet Company, Class A (B)	620,411	24,586,888
Spectrum Brands Holdings, Inc.	174,424	11,839,901
<b>Energy 5.1%</b>		<b>95,276,837</b>
<b>Oil, gas and consumable fuels 5.1%</b>		
Chord Energy Corp.	219,471	31,456,778
Magnolia Oil & Gas Corp., Class A	1,195,871	28,234,514
PDC Energy, Inc.	525,403	35,585,545
<b>Financials 10.7%</b>		<b>198,222,318</b>
<b>Banks 9.1%</b>		
Atlantic Union Bankshares Corp.	650,550	25,169,780
Banner Corp.	380,387	24,660,489
First Hawaiian, Inc.	929,458	25,504,328
Independent Bank Group, Inc.	388,948	23,842,512
Pinnacle Financial Partners, Inc.	267,495	21,059,881
SouthState Corp.	295,609	23,530,476
Univest Financial Corp.	898,477	24,393,651
<b>Diversified financial services 1.6%</b>		
Compass Diversified Holdings	1,346,828	30,061,201

	Shares	Value
<b>Health care 14.9%</b>		<b>\$278,233,407</b>
<b>Biotechnology 0.3%</b>		
ACADIA Pharmaceuticals, Inc. (B)	334,657	6,368,523
<b>Health care equipment and supplies 6.8%</b>		
AngioDynamics, Inc. (B)	838,277	10,914,367
ICU Medical, Inc. (B)	90,627	17,511,855
Integer Holdings Corp. (B)	374,733	24,661,179
Integra LifeSciences Holdings Corp. (B)	395,577	22,666,562
Lantheus Holdings, Inc. (B)	185,558	10,669,585
NuVasive, Inc. (B)	425,680	19,411,008
Teleflex, Inc.	83,023	20,209,459
<b>Health care providers and services 4.3%</b>		
Henry Schein, Inc. (B)	256,420	22,090,583
ModivCare, Inc. (B)	153,427	16,456,580
Option Care Health, Inc. (B)	627,659	18,120,515
Patterson Companies, Inc.	773,296	23,345,806
<b>Life sciences tools and services 1.3%</b>		
Charles River Laboratories International, Inc. (B)	98,410	23,938,233
<b>Pharmaceuticals 2.2%</b>		
Catalent, Inc. (B)	352,253	18,863,148
Prestige Consumer Healthcare, Inc. (B)	349,848	23,006,004
<b>Industrials 16.2%</b>		<b>302,141,432</b>
<b>Aerospace and defense 2.7%</b>		
Hexcel Corp.	408,009	28,797,275
Mercury Systems, Inc. (B)	441,879	22,087,322
<b>Building products 5.0%</b>		
Gibraltar Industries, Inc. (B)	379,805	20,346,154
PGT Innovations, Inc. (B)	1,218,005	26,430,709
The AZEK Company, Inc. (B)	922,874	22,268,950
Zurn Elkay Water Solutions Corp.	1,124,878	24,589,833
<b>Commercial services and supplies 1.1%</b>		
IAA, Inc. (B)	482,443	20,132,346
<b>Construction and engineering 4.6%</b>		
Arcosa, Inc.	499,024	29,577,152
EMCOR Group, Inc.	217,795	32,288,109
MasTec, Inc. (B)	246,792	24,242,378
<b>Machinery 2.8%</b>		
Crane Holdings Company	127,682	14,718,325
The Timken Company	445,208	36,662,879
<b>Information technology 19.3%</b>		<b>360,178,989</b>
<b>IT services 1.5%</b>		
WNS Holdings, Ltd., ADR (B)	328,876	27,865,663
<b>Semiconductors and semiconductor equipment 7.0%</b>		
Allegro MicroSystems, Inc. (B)	565,102	21,569,943
Alpha & Omega Semiconductor, Ltd. (B)	653,732	21,547,007
Ambarella, Inc. (B)	252,526	22,686,936
MACOM Technology Solutions Holdings, Inc. (B)	316,825	21,233,612
Synaptics, Inc. (B)	161,808	20,230,854
Veeco Instruments, Inc. (B)	1,216,880	24,167,237
<b>Software 10.8%</b>		
Adeia, Inc.	2,012,992	22,042,262
CommVault Systems, Inc. (B)	485,186	30,193,125

	Shares	Value
<b>Information technology (continued)</b>		
<b>Software (continued)</b>		
CyberArk Software, Ltd. (B)	197,927	\$27,883,956
Progress Software Corp.	482,187	25,575,198
Tenable Holdings, Inc. (B)	675,476	27,174,399
Varonis Systems, Inc. (B)	983,440	25,412,090
Xperi, Inc. (B)	1,388,285	14,368,750
Zuora, Inc., Class A (B)	3,564,136	28,227,957
<b>Materials 3.4%</b>		<b>62,774,468</b>
<b>Chemicals 1.8%</b>		
Avient Corp.	818,176	33,152,492
<b>Construction materials 1.6%</b>		
Summit Materials, Inc., Class A (B)	901,460	29,621,976
<b>Real estate 6.4%</b>		<b>118,663,463</b>
<b>Equity real estate investment trusts 6.4%</b>		
American Assets Trust, Inc.	864,517	24,604,154
EastGroup Properties, Inc.	200,386	33,714,945
First Industrial Realty Trust, Inc.	592,732	31,622,252
Sunstone Hotel Investors, Inc.	2,613,477	28,722,112
<b>Utilities 1.0%</b>		<b>18,109,929</b>
<b>Multi-utilities 1.0%</b>		
Unitil Corp.	347,133	18,109,929
	<b>Yield (%)</b>	<b>Shares</b>
<b>Short-term investments 4.0%</b>		<b>\$73,757,922</b>
(Cost \$73,737,352)		
<b>Short-term funds 4.0%</b>		<b>73,757,922</b>
John Hancock Collateral Trust (C)	4.3787(D)	7,377,415
<b>Total investments (Cost \$1,794,051,607) 101.0%</b>		<b>\$1,880,624,224</b>
<b>Other assets and liabilities, net (1.0%)</b>		<b>(18,101,709)</b>
<b>Total net assets 100.0%</b>		<b>\$1,862,522,515</b>

The percentage shown for each investment category is the total value of the category as a percentage of the net assets of the fund.

#### **Security Abbreviations and Legend**

ADR American Depositary Receipt

(A) The fund owns 5% or more of the outstanding voting shares of the issuer and the security is considered an affiliate of the fund. For more information on this security refer to the Notes to fund's investments.

(B) Non-income producing security.

(C) Investment is an affiliate of the fund, the advisor and/or subadvisor.

(D) The rate shown is the annualized seven-day yield as of 1-31-23.

## Notes to Fund's investments (unaudited)

**Security valuation.** Investments are stated at value as of the scheduled close of regular trading on the New York Stock Exchange (NYSE), normally at 4:00 P.M., Eastern Time. In case of emergency or other disruption resulting in the NYSE not opening for trading or the NYSE closing at a time other than the regularly scheduled close, the net asset value (NAV) may be determined as of the regularly scheduled close of the NYSE pursuant to the Advisor's Valuation Policies and Procedures.

In order to value the securities, the fund uses the following valuation techniques: Equity securities, including exchange-traded or closed-end funds, are typically valued at the last sale price or official closing price on the exchange or principal market where the security trades. In the event there were no sales during the day or closing prices are not available, the securities are valued using the last available bid price. Investments by the fund in open-end mutual funds, including John Hancock Collateral Trust (JHCT), are valued at their respective NAVs each business day.

In certain instances, the Pricing Committee of the Advisor may determine to value equity securities using prices obtained from another exchange or market if trading on the exchange or market on which prices are typically obtained did not open for trading as scheduled, or if trading closed earlier than scheduled, and trading occurred as normal on another exchange or market.

Other portfolio securities and assets, for which reliable market quotations are not readily available, are valued at fair value as determined in good faith by the Pricing Committee following procedures established by the Advisor and adopted by the Board of Trustees. The frequency with which these fair valuation procedures are used cannot be predicted and fair value of securities may differ significantly from the value that would have been used had a ready market for such securities existed.

The fund uses a three tier hierarchy to prioritize the pricing assumptions, referred to as inputs, used in valuation techniques to measure fair value. Level 1 includes securities valued using quoted prices in active markets for identical securities, including registered investment companies. Level 2 includes securities valued using other significant observable inputs. Observable inputs may include quoted prices for similar securities, interest rates, prepayment speeds and credit risk. Prices for securities valued using these inputs are received from independent pricing vendors and brokers and are based on an evaluation of the inputs described. Level 3 includes securities valued using significant unobservable inputs when market prices are not readily available or reliable, including the Advisor's assumptions in determining the fair value of investments. Factors used in determining value may include market or issuer specific events or trends, changes in interest rates and credit quality. The inputs or methodology used for valuing securities are not necessarily an indication of the risks associated with investing in those securities. Changes in valuation techniques and related inputs may result in transfers into or out of an assigned level within the disclosure hierarchy.

As of January 31, 2023, all investments are categorized as Level 1 under the hierarchy described above.

**Investment in affiliated underlying funds.** The fund may invest in affiliated underlying funds that are managed by the Advisor and its affiliates. Information regarding the fund's fiscal year to date purchases and sales of the affiliated underlying funds as well as income and capital gains earned by the fund, if any, is as follows:

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
John Hancock Collateral Trust	7,377,415	\$105,143,815	\$180,707,431	\$(212,139,826)	\$24,926	\$21,576	\$746,300	—	\$73,757,922

**Transactions in securities of affiliated issuers.** Affiliated issuers, as defined by the 1940 Act, are those in which the fund's holdings of an issuer represent 5% or more of the outstanding voting securities of the issuer. A summary of the fund's transactions in the securities of these issuers during the period ended January 31, 2023, is set forth below:

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Sciply Corp., Class A*	1,163,646	\$ 9,930,829	\$6,596,609	\$(54,186)	\$ 16,612	\$ 3,280,482	—	—	\$ 19,770,346
Universal Electronics, Inc.	686,871	\$13,390,552	709,684	(43,375)	(3,800)	2,040,327	—	—	16,093,388
					<b>\$12,812</b>	<b>\$5,320,809</b>	<b>—</b>	<b>—</b>	<b>\$35,863,734</b>

\* The security was not an affiliate at the beginning of the year.

For additional information on the fund's significant accounting policies and risks, please refer to the fund's most recent semiannual or annual shareholder report and prospectus.