

JOHN HANCOCK  
Funds II

2.29.2020

Semiannual Report

Beginning on January 1, 2021, as permitted by regulations adopted by the Securities and Exchange Commission, paper copies of the Funds' shareholder reports like this one will no longer be sent by mail, unless you specifically request paper copies of the reports from the Fund or from your financial intermediary. Instead, the reports will be made available on a website, and you will be notified by mail each time a report is posted and provided with a website link to access the report.

If you already elected to receive shareholder reports electronically, you will not be affected by this change and you do not need to take any action.

You may elect to receive shareholder reports and other communications electronically by calling John Hancock Investments or by contacting your financial intermediary. You may elect to receive all reports in paper, free of charge, at any time. You can inform John Hancock Investments or your financial intermediary that you wish to continue receiving paper copies of your shareholder reports by following the instructions listed above. Your election to receive reports in paper will apply to all funds held with John Hancock Investments or your financial intermediary.

# John Hancock Funds II

## Semiannual report — table of contents

<b>Sector or portfolio composition</b> .....	<b>3</b>
<b>Shareholder expense example</b> .....	<b>4</b>
<b>Portfolio of investments</b> (See below for each fund's page #).....	<b>5</b>
<b>Statements of assets and liabilities</b> .....	<b>33</b>
<b>Statements of operations</b> .....	<b>35</b>
<b>Statements of changes in net assets</b> .....	<b>37</b>
<b>Financial highlights</b> .....	<b>38</b>
<b>Notes to financial statements</b> .....	<b>40</b>
<b>For more information</b> .....	<b>55</b>

<b>Fund</b>	<b>Portfolio of investments</b>	<b>Fund</b>	<b>Portfolio of investments</b>
Asia Pacific Total Return Bond Fund .....	5	Opportunistic Fixed Income Fund	
Core Bond Fund .....	7	(formerly Global Bond Fund) .....	25
High Yield Fund .....	17	U.S. High Yield Bond Fund .....	26

# John Hancock Funds II

## Sector or portfolio composition

### Asia Pacific Total Return Bond Fund

<b>Portfolio Composition*</b>	<b>% of Total</b>
Corporate bonds	49.3
Foreign government obligations	40.3
Short-term investments and other	10.4

### Core Bond Fund

<b>Portfolio Composition**</b>	<b>% of Total</b>
U.S. Government Agency	30.9
Corporate bonds	24.6
U.S. Government	21.9
Collateralized mortgage obligations	9.3
Asset backed securities	8.8
Foreign government obligations	0.8
Municipal bonds	0.5
Short-term investments	3.2

\* As a percentage of net assets.

\*\* As a percentage of total investments.

### High Yield Fund

<b>Portfolio Composition*</b>	<b>% of Total</b>
Corporate bonds	82.4
Term loans	8.1
Asset backed securities	4.4
Convertible bonds	0.9
Foreign government obligations	0.8
Common stocks	0.8
Preferred securities	0.7
Short-term investments and other	1.9

### Opportunistic Fixed Income Fund

<b>Portfolio Composition*</b>	<b>% of Total</b>
U.S. Government	96.6
Foreign government obligations	3.0
Short-term investments and other	0.4

### U.S. High Yield Bond Fund

<b>Portfolio Composition*</b>	<b>% of Total</b>
Corporate bonds	89.6
Term loans	4.1
Convertible bonds	0.8
Rights	0.1
Short-term investments and other	5.4

# John Hancock Funds II

## Shareholder expense example

As a shareholder of John Hancock Funds II, you incur ongoing costs, such as management fees, distribution (Rule 12b-1) fees and other expenses.

These examples are intended to help you understand your ongoing costs (in dollars) of investing in a fund so you can compare these costs with the ongoing costs of investing in other mutual funds. The examples are based on an investment of \$1,000 at the beginning of the period and held for the entire period (September 1, 2019 through February 29, 2020).

### Actual expenses:

The first line of each share class in the following table provides information about actual account values and actual expenses. You may use the information in this line, together with the amount you invested, to estimate the expenses that you paid over the period. 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 in the first line under the heading entitled "Expenses paid during period ended" to estimate the expenses you paid on your account during this period.

### Hypothetical example for comparison purposes:

The second line of each share class in the following table provides information about hypothetical account values and hypothetical expenses based on the actual expense ratio for the share class and an assumed annualized rate of return of 5% per year before expenses, which is not the actual return of the share class. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the portfolio and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. Please remember that these hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transactional costs and insurance-related charges. Therefore, the second line of each share class in the table is useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transactional costs were included, your costs would have been higher.

		Account value on 9-1-2019	Ending value on 2-29-2020	Expenses paid during period ended 2-29-2020 <sup>1</sup>	Annualized expense ratio
<b>Asia Pacific Total Return Bond Fund</b>					
<b>Class NAV</b>	Actual expenses/actual returns	\$1,000.00	\$1,035.20	\$4.15	0.82%
	Hypothetical example	1,000.00	1,020.80	4.12	0.82%
<b>Core Bond Fund</b>					
<b>Class 1</b>	Actual expenses/actual returns	\$1,000.00	\$1,030.80	\$3.28	0.65%
	Hypothetical example	1,000.00	1,021.60	3.27	0.65%
<b>Class NAV</b>	Actual expenses/actual returns	1,000.00	1,031.80	3.03	0.60%
	Hypothetical example	1,000.00	1,021.90	3.02	0.60%
<b>High Yield Fund</b>					
<b>Class 1</b>	Actual expenses/actual returns	\$1,000.00	\$1,022.50	\$4.22	0.84%
	Hypothetical example	1,000.00	1,020.70	4.22	0.84%
<b>Opportunistic Fixed Income Fund</b>					
<b>Class 1</b>	Actual expenses/actual returns	\$1,000.00	\$1,032.10	\$5.41	1.07%
	Hypothetical example	1,000.00	1,019.50	5.37	1.07%
<b>U.S. High Yield Bond Fund</b>					
<b>Class 1</b>	Actual expenses/actual returns	\$1,000.00	\$1,010.70	\$3.90	0.78%
	Hypothetical example	1,000.00	1,021.00	3.92	0.78%
<b>Class NAV</b>	Actual expenses/actual returns	1,000.00	1,010.90	3.65	0.73%
	Hypothetical example	1,000.00	1,021.20	3.67	0.73%

<sup>1</sup> Expenses are equal to the annualized expense ratio, multiplied by the average account value over the period, multiplied by 182/366 (to reflect the one-half year period).

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Asia Pacific Total Return Bond Fund

		Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS - 40.3%</b>			
<b>India - 7.0%</b>			
Republic of India			
7.590%, 01/11/2026	INR	450,000,000	\$ 6,618,023
7.680%, 12/15/2023		85,000,000	1,248,306
8.120%, 12/10/2020		450,000,000	6,358,579
9.150%, 11/14/2024		250,000,000	3,887,704
			18,112,612
<b>Indonesia - 9.7%</b>			
Republic of Indonesia			
3.700%, 10/30/2049	\$	1,500,000	1,535,957
6.125%, 05/15/2028	IDR	120,000,000,000	7,834,053
6.625%, 05/15/2033		86,945,000,000	5,629,374
7.000%, 05/15/2027		24,000,000,000	1,696,593
8.375%, 03/15/2024 to 04/15/2039		113,000,000,000	8,459,158
			25,155,135
<b>Malaysia - 9.1%</b>			
Government of Malaysia			
3.418%, 08/15/2022	MYR	7,500,000	1,811,298
3.620%, 11/30/2021		36,500,000	8,807,706
3.757%, 04/20/2023		26,000,000	6,371,781
4.181%, 07/15/2024		18,000,000	4,531,096
4.392%, 04/15/2026		8,000,000	2,072,915
			23,594,796
<b>Philippines - 2.1%</b>			
Republic of Philippines			
3.625%, 09/09/2025	PHP	142,233,286	2,701,954
3.900%, 11/26/2022		131,000,000	2,564,368
			5,266,322
<b>Singapore - 0.9%</b>			
Republic of Singapore			
2.750%, 07/01/2023	SGD	3,000,000	2,257,375
<b>South Korea - 9.9%</b>			
Export-Import Bank of Korea			
6.200%, 08/07/2021	INR	137,000,000	1,904,194
Republic of Korea			
1.875%, 06/10/2029	KRW	7,000,000,000	6,040,146
2.000%, 12/10/2021 to 09/10/2022		7,600,000,000	6,376,026
2.250%, 06/10/2021		5,300,000,000	4,427,876
2.375%, 03/10/2023		8,000,000,000	6,826,389
			25,574,631
<b>Thailand - 1.6%</b>			
Kingdom of Thailand			
1.200%, 07/14/2021	THB	130,774,800	4,152,432
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS</b>			
(Cost \$108,243,426)			\$ 104,113,303
<b>CORPORATE BONDS - 49.3%</b>			
<b>Cayman Islands - 1.2%</b>			
CK Hutchison International 19 II, Ltd.			
3.375%, 09/06/2049 (A)	\$	2,801,000	3,128,908
<b>China - 5.9%</b>			
21Vianet Group, Inc.			
7.875%, 10/15/2021		2,000,000	2,008,054
China Aoyuan Group, Ltd.			
7.950%, 09/07/2021		2,500,000	2,584,321
China Hongqiao Group, Ltd.			
7.125%, 07/22/2022		1,500,000	1,383,750
China SCE Group Holdings, Ltd.			
7.375%, 04/09/2024		3,000,000	3,063,912
Shandong Iron and Steel Xinheng International Company, Ltd.			
6.500%, 06/14/2021		800,000	797,200

## Asia Pacific Total Return Bond Fund (continued)

		Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>			
<b>China (continued)</b>			
Vanke Real Estate Hong Kong Company, Ltd.			
3.850%, 06/13/2022	CNY	16,000,000	\$ 2,311,997
Zhenro Properties Group, Ltd.			
8.650%, 01/21/2023	\$	3,000,000	3,102,263
			15,251,497
<b>Hong Kong - 12.2%</b>			
AIA Group, Ltd.			
4.875%, 03/11/2044		1,488,000	1,991,041
Bangkok Bank PCL (3.733% to 9-25-29, then 5 Year CMT + 1.900%)			
09/25/2034 (A)		1,053,000	1,096,628
Chong Hing Bank, Ltd. (3.876% to 7-26-22, then 5 Year CMT + 2.030%)			
07/26/2027		3,000,000	3,071,196
CMB Wing Lung Bank, Ltd. (3.750% to 11-22-22, then 5 Year CMT + 1.750%)			
11/22/2027		3,000,000	3,090,446
Coastal Emerald, Ltd.			
4.300%, 08/01/2024		3,000,000	3,040,545
Concord New Energy Group, Ltd.			
7.900%, 01/23/2021		3,000,000	3,050,655
Far East Horizon, Ltd. (3 month LIBOR + 2.000%)			
3.908%, 07/03/2021 (B)		3,000,000	3,022,980
GET International Investment Holdings, Ltd.			
3.750%, 07/18/2022		1,151,000	1,166,438
Shanghai Commercial Bank, Ltd. (3.750% to 11-29-22, then 5 Year CMT + 1.705%)			
11/29/2027		3,000,000	3,087,047
Weichai International Hong Kong Energy Group Company, Ltd. (3.750% to 9-14-22, then 5 Year CMT + 6.084%)			
09/14/2022 (C)		3,000,000	3,026,461
Yingde Gases Investment, Ltd.			
6.250%, 01/19/2023 (A)		2,800,000	2,910,131
Zoomlion HK SPV Company, Ltd.			
6.125%, 12/20/2022		3,000,000	3,071,550
			31,625,118
<b>India - 4.6%</b>			
Greenko Investment Company			
4.875%, 08/16/2023		2,100,000	2,092,192
Indian Railway Finance Corp., Ltd.			
3.950%, 02/13/2050 (A)		2,611,000	2,684,941
NTPC, Ltd.			
4.250%, 02/26/2026		2,000,000	2,149,823
ReNew Power Synthetic			
6.670%, 03/12/2024		2,000,000	2,080,302
Vedanta Resources, Ltd.			
7.125%, 05/31/2023		3,000,000	2,851,500
			11,858,758
<b>Indonesia - 5.8%</b>			
ABM Investama Tbk PT			
7.125%, 08/01/2022 (A)		2,800,000	2,429,948
Adaro Indonesia PT			
4.250%, 10/31/2024 (A)		2,217,000	2,187,071
Bayan Resources Tbk PT			
6.125%, 01/24/2023 (A)		2,157,000	2,111,451
Chandra Asri Petrochemical Tbk PT			
4.950%, 11/08/2024		2,500,000	2,465,592

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Asia Pacific Total Return Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Indonesia (continued)</b>		
Indonesia Asahan Aluminium Persero PT 6.530%, 11/15/2028	\$ 1,500,000	\$ 1,847,414
Jasa Marga Persero Tbk PT 7.500%, 12/11/2020 (A)	IDR 11,300,000,000	782,641
Perusahaan Listrik Negara PT 6.150%, 05/21/2048	\$ 2,500,000	3,243,750
		15,067,867
<b>Isle of Man - 1.0%</b>		
Gohl Capital, Ltd. 4.250%, 01/24/2027	2,500,000	2,632,224
<b>Japan - 0.3%</b>		
Nippon Life Insurance Company (3.400% to 1-23-30 then 5 Year CMT + 2.612%) 01/23/2050 (A)	672,000	692,160
<b>Malaysia - 1.8%</b>		
Press Metal Labuan, Ltd. 4.800%, 10/30/2022	2,800,000	2,749,648
SD International Sukuk, Ltd. 6.300%, 05/09/2022	2,000,000	2,016,327
		4,765,975
<b>Mauritius - 1.2%</b>		
UPL Corp., Ltd. 4.500%, 03/08/2028	3,000,000	3,137,644
<b>Singapore - 4.3%</b>		
Indika Energy Capital III Pte, Ltd. 5.875%, 11/09/2024 (A)	1,200,000	1,101,537
5.875%, 11/09/2024	1,800,000	1,652,306
Medco Oak Tree Pte, Ltd. 7.375%, 05/14/2026 (A)	2,160,000	2,103,787
Singapore Post, Ltd. (4.250% to 3-2-22, then 10 Year Singapore Swap Offered Rate + 3.692%) 03/02/2022 (C)	SGD 5,000,000	3,697,676
TBLA International Pte, Ltd. 7.000%, 01/24/2023	\$ 2,500,000	2,504,560
		11,059,866
<b>South Korea - 4.1%</b>		
DB Insurance Company, Ltd. 3.865%, 05/25/2027	KRW 8,000,000,000	7,185,771
The Korea Development Bank 7.000%, 11/30/2022 (A)	IDR 52,000,000,000	3,526,089
		10,711,860
<b>Supranational - 3.1%</b>		
Asian Development Bank 2.850%, 10/21/2020	CNY 20,000,000	2,870,594
6.450%, 08/08/2021	INR 360,000,000	5,054,846
		7,925,440
<b>United States - 2.0%</b>		
Incitec Pivot Finance LLC 3.950%, 08/03/2027	\$ 2,225,000	2,337,135

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
2-Year U.S. Treasury Note Futures	155	Short	Jul 2020	\$(33,668,608)	\$(33,842,070)	\$(173,462)
						\$(173,462)

## Asia Pacific Total Return Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>United States (continued)</b>		
Resorts World Las Vegas LLC 4.625%, 04/16/2029 (A)	\$ 2,000,000	\$ 2,164,857
4.625%, 04/16/2029	600,000	649,457
		5,151,449
<b>Virgin Islands, British - 1.8%</b>		
Franshion Brilliant, Ltd. (4.000% to 1-3-23, then 5 Year CMT + 5.238%) 01/03/2023 (C)	3,000,000	3,023,311
New Metro Global, Ltd. 6.500%, 04/23/2021	1,600,000	1,606,010
		4,629,321
<b>TOTAL CORPORATE BONDS (Cost \$125,874,066)</b>		\$ 127,638,087
<b>SHORT-TERM INVESTMENTS - 7.0%</b>		
<b>U.S. Government - 5.0%</b>		
U.S. Treasury Bill 1.554%, 03/24/2020 *	13,000,000	12,988,630
<b>Foreign government - 2.0%</b>		
Monetary Authority of Singapore Bill 1.607%, 03/20/2020 * SGD	7,300,000	5,236,872
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$18,223,286)</b>		\$ 18,225,502
<b>Total Investments (Asia Pacific Total Return Bond Fund)</b> (Cost \$252,340,778) - 96.6%		\$ 249,976,892
<b>Other assets and liabilities, net - 3.4%</b>		8,824,329
<b>TOTAL NET ASSETS - 100.0%</b>		\$ 258,801,221

### Currency Abbreviations

CNY	Chinese Yuan Renminbi
IDR	Indonesian Rupiah
INR	Indian Rupee
KRW	Korean Won
MYR	Malaysian Ringgit
PHP	Philippine Peso
SGD	Singapore Dollar
THB	Thai Bhat

### Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
(A)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$26,920,149 or 10.4% of the fund's net assets as of 2-29-20.
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(C)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Asia Pacific Total Return Bond Fund (continued)

### FUTURES (continued)

^ Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

See Notes to financial statements regarding investment transactions and other derivatives information.

### Core Bond Fund

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 57.4%</b>		
<b>U.S. Government – 23.8%</b>		
U.S. Treasury Bonds		
2.000%, 02/15/2050	\$ 8,405,000	\$ 9,075,430
2.250%, 08/15/2046	17,367,000	19,488,352
2.375%, 11/15/2049	1,351,000	1,577,029
2.500%, 05/15/2046	22,614,000	26,556,433
2.750%, 08/15/2042	5,781,000	7,022,786
3.000%, 05/15/2045 to 11/15/2045	84,186,000	107,385,964
3.125%, 08/15/2044	35,741,000	46,273,426
U.S. Treasury Notes		
1.125%, 02/28/2022	1,152,000	1,157,310
1.250%, 02/28/2025	17,721,000	17,881,597
1.375%, 08/31/2020 to 01/31/2025	48,448,000	48,912,798
1.500%, 10/31/2021 to 02/15/2030	66,156,000	67,277,066
1.625%, 12/31/2021 to 09/30/2026	125,517,000	128,870,873
1.750%, 07/15/2022 to 12/31/2026	9,633,000	10,006,321
1.875%, 06/30/2026	15,045,000	15,836,038
2.000%, 11/15/2026	29,864,000	31,720,001
2.125%, 05/15/2022	11,897,000	12,213,014
2.250%, 04/30/2021 to 04/15/2022	18,082,000	18,520,719
2.375%, 04/30/2026	32,248,000	34,871,929
2.500%, 06/30/2020 to 01/15/2022	25,828,000	26,507,375
2.625%, 11/15/2020	55,852,000	56,423,611
2.875%, 11/15/2021	8,504,000	8,779,383
		696,357,455
<b>U.S. Government Agency – 33.6%</b>		
Federal Home Loan Mortgage Corp.		
2.500%, 06/01/2028 to 11/01/2028	13,831,478	14,225,863
3.000%, 12/01/2049 to 03/01/2050	11,637,287	12,079,992
3.500%, 02/01/2048 to 12/01/2049	34,830,140	37,055,309
4.000%, 01/01/2035 to 11/01/2049	69,378,907	75,336,560
4.000%, 04/01/2047 (A)	10,964,434	11,867,715
4.500%, 06/01/2039 to 03/01/2049	1,692,328	1,882,211
5.000%, 05/01/2048	3,100,081	3,483,482
Federal National Mortgage Association		
2.000%, TBA (A)	41,300,000	41,848,507
2.500%, 08/01/2031	2,161,466	2,222,207
2.500%, 04/01/2035 (A)	18,708,000	19,219,547
2.614%, (12 month LIBOR + 1.587%), 11/01/2045 (B)	773,608	792,162
2.619%, (12 month LIBOR + 1.581%), 05/01/2045 (B)	2,006,239	2,051,560
2.662%, (12 month LIBOR + 1.586%), 01/01/2046 (B)	9,190,842	9,403,971
2.746%, (12 month LIBOR + 1.578%), 06/01/2045 (B)	2,547,783	2,612,426
2.958%, (12 month LIBOR + 1.598%), 08/01/2047 (B)	1,002,161	1,038,494
3.000%, TBA (A)	49,400,000	50,833,190
3.000%, 12/01/2034 to 02/01/2050	7,147,025	7,461,104
3.093%, (12 month LIBOR + 1.620%), 03/01/2047 (B)	1,146,728	1,190,760
3.500%, 05/01/2049 to 01/01/2050	33,968,765	35,764,152
3.500%, 05/01/2049 (A)	10,638,109	11,412,975
4.000%, 07/01/2033 to 12/01/2049	170,503,306	184,508,706
4.000%, 05/01/2049 to 01/01/2059 (A)	46,844,375	50,886,936
4.500%, 05/01/2034 to 01/01/2059	42,753,732	47,259,938
4.500%, 10/01/2048 to 01/01/2049 (A)	16,127,935	17,790,562
5.000%, 07/01/2044 to 08/01/2049	89,589,842	100,804,490
5.500%, 12/01/2048 to 06/01/2049	12,129,087	13,765,793

### Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Government National		
Mortgage Association		
2.500%, TBA (A)	\$ 10,300,000	\$ 10,563,144
3.000%, TBA (A)	38,800,000	40,053,912
3.000%, 02/20/2050	10,418,000	10,902,755
3.000%, 03/20/2050 (A)	2,192,000	2,276,598
3.500%, 01/20/2048 to 09/20/2049	15,075,892	15,707,361
4.000%, 04/20/2047 to 01/20/2050	85,357,387	90,524,462
4.500%, 08/15/2047 to 05/20/2049	22,939,003	24,672,946
5.000%, 12/20/2039 to 09/20/2049	30,458,107	32,884,949
		984,384,739
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS</b>		
(Cost \$1,634,327,212)		\$ 1,680,742,194
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.9%</b>		
<b>Colombia – 0.0%</b>		
Republic of Colombia		
5.200%, 05/15/2049	1,092,000	1,373,190
<b>Israel – 0.1%</b>		
State of Israel		
3.375%, 01/15/2050	1,916,000	2,088,440
<b>Japan – 0.1%</b>		
Japan Bank for International Cooperation		
1.750%, 10/17/2024	2,664,000	2,723,366
<b>Mexico – 0.5%</b>		
Government of Mexico		
3.250%, 04/16/2030	4,828,000	4,963,184
4.500%, 04/22/2029	4,911,000	5,551,935
4.500%, 01/31/2050	126,000	142,821
4.600%, 02/10/2048	1,722,000	1,965,250
4.750%, 03/08/2044	550,000	636,350
		13,259,540
<b>Paraguay – 0.1%</b>		
Republic of Paraguay		
5.400%, 03/30/2050 (C)	3,135,000	3,769,869
<b>United Arab Emirates – 0.1%</b>		
Abu Dhabi Government		
2.125%, 09/30/2024 (C)	1,537,000	1,556,213
2.500%, 09/30/2029 (C)	1,449,000	1,486,674
		3,042,887
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS</b>		
(Cost \$24,337,202)		\$ 26,257,292
<b>CORPORATE BONDS – 26.7%</b>		
<b>Communication services – 2.3%</b>		
AT&T, Inc.		
3.000%, 02/15/2022 to 06/30/2022	3,971,000	4,089,843
3.400%, 05/15/2025	1,954,000	2,084,694
3.800%, 02/15/2027	779,000	852,549
3.900%, 03/11/2024	931,000	1,010,350
4.300%, 02/15/2030	679,000	777,829
4.500%, 03/09/2048	1,402,000	1,598,386
4.850%, 03/01/2039	959,000	1,149,795
5.150%, 02/15/2050	3,076,000	3,854,526
5.250%, 03/01/2037	571,000	703,925
5.350%, 12/15/2043	479,000	592,963
5.375%, 10/15/2041	767,000	953,841



# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Charter Communications Operating LLC		
4.464%, 07/23/2022	\$ 939,000	\$ 996,462
4.800%, 03/01/2050	1,774,000	1,910,510
5.375%, 05/01/2047	831,000	956,183
Comcast Corp.		
2.650%, 02/01/2030	3,796,000	3,982,140
3.450%, 02/01/2050	2,170,000	2,394,867
3.700%, 04/15/2024	1,922,000	2,087,313
3.950%, 10/15/2025	1,738,000	1,945,102
4.000%, 03/01/2048	1,458,000	1,728,208
4.150%, 10/15/2028	979,000	1,134,632
4.600%, 10/15/2038	2,433,000	3,063,322
4.700%, 10/15/2048	487,000	639,025
4.950%, 10/15/2058	727,000	993,342
Deutsche Telekom AG		
3.625%, 01/21/2050 (C)	1,248,000	1,321,083
The Walt Disney Company		
1.750%, 08/30/2024	2,921,000	2,956,927
2.000%, 09/01/2029	1,946,000	1,959,582
2.750%, 09/01/2049	444,000	448,893
Time Warner Cable LLC		
6.550%, 05/01/2037	679,000	884,551
Verizon Communications, Inc.		
4.016%, 12/03/2029	2,146,000	2,494,558
4.125%, 08/15/2046	2,326,000	2,813,632
4.272%, 01/15/2036	428,000	512,271
4.329%, 09/21/2028	2,602,000	3,054,331
4.400%, 11/01/2034	2,082,000	2,528,119
4.522%, 09/15/2048	927,000	1,194,955
4.672%, 03/15/2055	256,000	340,022
5.012%, 04/15/2049	475,000	656,268
5.500%, 03/16/2047	927,000	1,357,311
ViacomCBS, Inc.		
4.375%, 03/15/2043	286,000	307,370
5.850%, 09/01/2043	690,000	869,827
Vodafone Group PLC		
4.250%, 09/17/2050	2,820,000	3,119,470
		66,318,977
<b>Consumer discretionary – 0.7%</b>		
Ford Motor Company		
4.750%, 01/15/2043	3,314,000	2,844,229
Ford Motor Credit Company LLC		
4.271%, 01/09/2027	1,283,000	1,272,268
General Motors Company		
5.400%, 04/01/2048	1,194,000	1,204,958
5.950%, 04/01/2049	1,234,000	1,350,725
Lowe's Companies, Inc.		
3.650%, 04/05/2029	2,280,000	2,527,819
McDonald's Corp.		
2.625%, 09/01/2029	1,566,000	1,625,506
4.450%, 09/01/2048	1,151,000	1,395,445
Starbucks Corp.		
3.750%, 12/01/2047	891,000	977,220
Target Corp.		
2.350%, 02/15/2030	909,000	940,060
The Home Depot, Inc.		
2.950%, 06/15/2029	1,478,000	1,597,823
3.125%, 12/15/2049	3,222,000	3,421,979
The Trustees of the University of Pennsylvania		
3.610%, 02/15/2119	954,000	1,180,232
Toyota Motor Credit Corp.		
2.150%, 02/13/2030	1,958,000	1,980,323
		22,318,587

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer staples – 1.6%</b>		
Altria Group, Inc.		
4.800%, 02/14/2029	\$ 2,066,000	\$ 2,363,492
Anheuser-Busch InBev Worldwide, Inc.		
4.150%, 01/23/2025	2,094,000	2,330,078
4.600%, 04/15/2048	1,327,000	1,586,620
4.700%, 02/01/2036	1,802,000	2,146,422
4.900%, 02/01/2046	1,569,000	1,938,720
BAT Capital Corp.		
3.215%, 09/06/2026	1,043,000	1,087,880
3.222%, 08/15/2024	2,533,000	2,659,816
3.557%, 08/15/2027	2,813,000	2,969,613
4.390%, 08/15/2037	147,000	155,122
4.540%, 08/15/2047	654,000	677,627
Constellation Brands, Inc.		
3.150%, 08/01/2029	1,878,000	1,976,301
3.200%, 02/15/2023	483,000	502,089
3.500%, 05/09/2027	691,000	745,623
3.600%, 02/15/2028	1,526,000	1,643,129
3.700%, 12/06/2026	815,000	893,758
4.400%, 11/15/2025	147,000	166,243
Costco Wholesale Corp.		
3.000%, 05/18/2027	939,000	1,020,883
Danone SA		
2.947%, 11/02/2026 (C)	5,715,000	6,075,895
Fomento Economico Mexicano SAB de CV		
3.500%, 01/16/2050	1,310,000	1,384,307
General Mills, Inc.		
4.700%, 04/17/2048	323,000	404,071
Reynolds American, Inc.		
5.850%, 08/15/2045	1,087,000	1,300,261
The Estee Lauder Companies, Inc.		
2.375%, 12/01/2029	947,000	980,973
3.125%, 12/01/2049	1,798,000	1,915,753
The Hershey Company		
2.050%, 11/15/2024	2,030,000	2,088,065
Walmart, Inc.		
3.550%, 06/26/2025	2,062,000	2,273,021
3.700%, 06/26/2028	4,503,000	5,109,477
4.050%, 06/29/2048	22,000	27,839
		46,423,078
<b>Energy – 2.8%</b>		
BP Capital Markets America, Inc.		
3.000%, 02/24/2050	1,845,000	1,821,234
3.796%, 09/21/2025	1,930,000	2,132,716
3.937%, 09/21/2028	2,086,000	2,361,047
Canadian Natural Resources, Ltd.		
3.900%, 02/01/2025	659,000	716,074
Cimarex Energy Company		
4.375%, 03/15/2029	2,693,000	2,795,424
Devon Energy Corp.		
5.600%, 07/15/2041	1,586,000	1,804,783
5.850%, 12/15/2025	1,545,000	1,832,324
Ecopetrol SA		
5.875%, 05/28/2045	755,000	901,621
Enbridge, Inc.		
2.500%, 01/15/2025	5,051,000	5,160,508
3.125%, 11/15/2029	3,616,000	3,743,905
Energy Transfer Operating LP		
3.750%, 05/15/2030	459,000	465,171
5.300%, 04/15/2047	467,000	484,354
6.050%, 06/01/2041	460,000	506,276
6.125%, 12/15/2045	1,063,000	1,199,193
6.250%, 04/15/2049	467,000	538,241



# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Enterprise Products Operating LLC		
2.800%, 01/31/2030	\$ 1,590,000	\$ 1,623,892
3.125%, 07/31/2029	1,347,000	1,408,431
3.700%, 01/31/2051	917,000	913,987
3.950%, 01/31/2060	1,027,000	1,005,444
4.200%, 01/31/2050	376,000	399,202
Equinor ASA		
3.250%, 11/18/2049	1,414,000	1,492,941
Hess Corp.		
5.600%, 02/15/2041	109,000	117,821
5.800%, 04/01/2047	176,000	194,922
6.000%, 01/15/2040	1,430,000	1,599,653
7.125%, 03/15/2033	352,000	446,235
Marathon Petroleum Corp.		
3.625%, 09/15/2024	2,617,000	2,795,095
4.500%, 04/01/2048	947,000	1,080,735
4.750%, 12/15/2023	795,000	867,846
MPLX LP		
4.250%, 12/01/2027 (C)	939,000	1,022,582
4.700%, 04/15/2048	1,563,000	1,629,184
4.800%, 02/15/2029	475,000	532,214
5.200%, 12/01/2047 (C)	1,409,000	1,512,830
5.500%, 02/15/2049	382,000	429,075
National Oilwell Varco, Inc.		
3.600%, 12/01/2029	318,000	323,128
Noble Energy, Inc.		
4.200%, 10/15/2049	1,389,000	1,337,179
4.950%, 08/15/2047	2,145,000	2,229,359
5.050%, 11/15/2044	1,391,000	1,426,949
Occidental Petroleum Corp.		
7.500%, 05/01/2031	515,000	654,354
Ovintiv, Inc.		
6.500%, 02/01/2038	995,000	1,092,621
6.625%, 08/15/2037	899,000	988,713
Petroleos Mexicanos		
2.378%, 04/15/2025	481,250	494,933
2.460%, 12/15/2025	2,040,600	2,114,090
5.950%, 01/28/2031 (C)	1,680,000	1,638,000
6.350%, 02/12/2048	4,193,000	3,896,974
6.950%, 01/28/2060 (C)	2,940,000	2,822,400
Plains All American Pipeline LP		
3.550%, 12/15/2029	2,182,000	2,146,599
4.900%, 02/15/2045	1,818,000	1,724,842
Schlumberger Finance Canada, Ltd.		
2.650%, 11/20/2022 (C)	1,003,000	1,032,570
Shell International Finance BV		
2.000%, 11/07/2024	2,700,000	2,753,719
Sunoco Logistics Partners Operations LP		
5.300%, 04/01/2044	1,326,000	1,388,436
5.350%, 05/15/2045	128,000	132,149
Tennessee Gas Pipeline Company LLC		
2.900%, 03/01/2030 (C)	2,490,000	2,501,145
The Williams Companies, Inc.		
3.900%, 01/15/2025	699,000	751,052
TransCanada PipeLines, Ltd.		
4.625%, 03/01/2034	692,000	808,885
Western Midstream Operating LP		
3.100%, 02/01/2025	2,174,000	2,172,544
4.050%, 02/01/2030	1,667,000	1,642,099
5.250%, 02/01/2050	1,079,000	1,008,322
		82,616,022
<b>Financials – 6.9%</b>		
American International Group, Inc.		
4.200%, 04/01/2028	1,490,000	1,663,728
4.250%, 03/15/2029	971,000	1,107,856

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
American International		
Group, Inc. (continued)		
4.500%, 07/16/2044	\$ 1,319,000	\$ 1,617,694
4.750%, 04/01/2048	1,473,000	1,862,072
ANZ New Zealand International, Ltd.		
1.900%, 02/13/2023 (C)	1,896,000	1,919,419
Banco Santander SA		
3.306%, 06/27/2029	1,600,000	1,726,551
Bank of America Corp.		
4.183%, 11/25/2027	2,809,000	3,119,951
Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	4,466,000	4,578,257
Bank of America Corp. (2.496% to 2-13-30, then 3 month LIBOR + 0.990%) 02/13/2031	3,679,000	3,735,674
Bank of America Corp. (2.884% to 10-22-29, then 3 month LIBOR + 1.190%) 10/22/2030	4,450,000	4,657,878
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	3,679,000	3,812,407
Bank of America Corp. (3.093% to 10-1-24, then 3 month LIBOR + 1.090%) 10/01/2025	4,739,000	4,976,256
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	6,785,000	7,331,359
Bank of America Corp. (3.550% to 3-5-23, then 3 month LIBOR + 0.780%) 03/05/2024	644,000	678,129
Bank of America Corp. (3.559% to 4-23-26, then 3 month LIBOR + 1.060%) 04/23/2027	341,000	370,247
Bank of America Corp. (4.271% to 7-23-28, then 3 month LIBOR + 1.310%) 07/23/2029	4,999,000	5,752,763
Banque Federative du Credit Mutuel SA		
2.375%, 11/21/2024 (C)	2,400,000	2,469,902
Barclays PLC (5.088% to 6-20-29, then 3 month LIBOR + 3.054%) 06/20/2030	2,674,000	3,036,148
BNP Paribas SA (2.819% to 11-19-24, then 3 month LIBOR + 1.111%) 11/19/2025 (C)	3,152,000	3,264,619
BNP Paribas SA (3.052% to 1-13-30, then SOFR + 1.507%) 01/13/2031 (C)	6,018,000	6,171,682
Brighthouse Financial, Inc.		
4.700%, 06/22/2047	1,104,000	1,116,535
Canadian Imperial Bank of Commerce		
2.250%, 01/28/2025	4,044,000	4,118,689
Citigroup, Inc. (2.976% to 11-5-29, then SOFR + 1.422%) 11/05/2030	2,833,000	2,980,309
Commonwealth Bank of Australia		
3.743%, 09/12/2039 (C)	806,000	866,789
Commonwealth Bank of Australia (3.610% to 9-12-29, then 5 Year CMT + 2.050%) 09/12/2034 (C)	2,018,000	2,145,433
Credit Agricole SA		
2.375%, 01/22/2025 (C)	3,643,000	3,731,014
Danske Bank A/S (3.001% to 9-20-21, then 3 month LIBOR + 1.249%) 09/20/2022 (C)	4,966,000	5,039,390

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Danske Bank A/S (3.244% to 12-20-24, then 3 month LIBOR + 1.591%) 12/20/2025 (C)	\$ 4,675,000	\$ 4,912,481
GE Capital International Funding Company Unlimited Company 2.342%, 11/15/2020	647,000	648,766
4.418%, 11/15/2035	5,220,000	5,960,710
JPMorgan Chase & Co. 2.950%, 10/01/2026	1,794,000	1,901,874
JPMorgan Chase & Co. (2.301% to 10-15-24, then SOFR + 1.160%) 10/15/2025	702,000	718,310
JPMorgan Chase & Co. (2.739% to 10-15-29, then SOFR + 1.510%) 10/15/2030	4,686,000	4,883,497
JPMorgan Chase & Co. (3.559% to 4-23-23, then 3 month LIBOR + 0.730%) 04/23/2024	975,000	1,030,126
JPMorgan Chase & Co. (3.702% to 5-6-29, then 3 month LIBOR + 1.160%) 05/06/2030	2,320,000	2,583,942
JPMorgan Chase & Co. (3.797% to 7-23-23, then 3 month LIBOR + 0.890%) 07/23/2024	976,000	1,043,270
JPMorgan Chase & Co. (3.882% to 7-24-37, then 3 month LIBOR + 1.360%) 07/24/2038	1,454,000	1,666,484
JPMorgan Chase & Co. (3.897% to 1-23-48, then 3 month LIBOR + 1.220%) 01/23/2049	1,794,000	2,138,716
JPMorgan Chase & Co. (4.005% to 4-23-28, then 3 month LIBOR + 1.120%) 04/23/2029	1,275,000	1,435,482
JPMorgan Chase & Co. (4.023% to 12-5-23, then 3 month LIBOR + 1.000%) 12/05/2024	947,000	1,025,792
Liberty Mutual Group, Inc. 3.951%, 10/15/2050 (C)	216,000	238,019
4.569%, 02/01/2029 (C)	2,709,000	3,187,931
Lincoln National Corp. 3.050%, 01/15/2030	3,241,000	3,416,401
MDGH - GMTN BV 2.875%, 11/07/2029 (C)	2,295,000	2,358,686
MidAmerican Energy Company 3.650%, 08/01/2048	1,055,000	1,265,388
Mitsubishi UFJ Financial Group, Inc. 2.193%, 02/25/2025	4,319,000	4,364,817
2.559%, 02/25/2030	2,940,000	2,956,637
Morgan Stanley 2.750%, 05/19/2022	3,691,000	3,792,220
Morgan Stanley (3.971% to 7-22-37, then 3 month LIBOR + 1.455%) 07/22/2038	471,000	542,657
Morgan Stanley (4.457% to 4-22-38, then 3 month LIBOR + 1.431%) 04/22/2039	915,000	1,114,583
National Australia Bank, Ltd. 1.875%, 12/13/2022	2,851,000	2,891,928
Nationwide Building Society (4.363% to 8-1-23, then 3 month LIBOR + 1.392%) 08/01/2024 (C)	2,332,000	2,504,160
Nationwide Financial Services, Inc. 3.900%, 11/30/2049 (C)	2,417,000	2,712,440
Nomura Holdings, Inc. 2.648%, 01/16/2025	1,791,000	1,839,595

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
Nomura Holdings, Inc. (continued) 3.103%, 01/16/2030	\$ 4,886,000	\$ 5,076,437
Prudential Financial, Inc. 4.350%, 02/25/2050	1,674,000	1,952,413
Societe Generale SA 2.625%, 01/22/2025 (C)	3,848,000	3,921,205
Spirit Realty LP 3.400%, 01/15/2030	1,199,000	1,279,730
Standard Chartered PLC (2.819% to 1-30-25, then 3 month LIBOR + 1.209%) 01/30/2026 (C)	4,134,000	4,213,439
State Street Corp. (2.354% to 11-1-24, then SOFR + 0.940%) 11/01/2025	3,230,000	3,323,172
Sumitomo Mitsui Financial Group, Inc. 3.040%, 07/16/2029	4,922,000	5,238,545
The Charles Schwab Corp. 3.250%, 05/22/2029	2,822,000	3,106,141
The Goldman Sachs Group, Inc. 3.500%, 11/16/2026	2,746,000	2,952,380
The PNC Financial Services Group, Inc. 2.550%, 01/22/2030	3,723,000	3,840,020
The Royal Bank of Scotland Group PLC (3.754% to 11-1-24, then 5 Year CMT + 2.100%) 11/01/2029	681,000	710,944
The Royal Bank of Scotland Group PLC (4.445% to 5-8-29, then 3 month LIBOR + 1.871%) 05/08/2030	1,480,000	1,689,358
Truist Bank 2.150%, 12/06/2024	1,993,000	2,040,769
Truist Financial Corp. 2.500%, 08/01/2024	5,111,000	5,278,164
Trust F/1401 6.390%, 01/15/2050 (C)	1,271,000	1,490,248
UBS Group AG (3.126% to 8-13-29, then 3 month LIBOR + 1.468%) 08/13/2030 (C)	1,049,000	1,112,419
US Bank NA 2.050%, 01/21/2025	3,335,000	3,417,091
Westpac Banking Corp. 2.000%, 01/13/2023	2,805,000	2,849,319
Westpac Banking Corp. (4.110% to 7-24-29, then 5 Year CMT + 2.000%) 07/24/2034	887,000	970,904
		201,448,361
<b>Health care – 4.3%</b>		
Abbott Laboratories 3.750%, 11/30/2026	4,187,000	4,722,619
AbbVie, Inc. 2.300%, 11/21/2022 (C)	7,851,000	7,982,044
2.500%, 05/14/2020	3,696,000	3,698,829
2.600%, 11/21/2024 (C)	3,480,000	3,596,222
2.950%, 11/21/2026 (C)	1,079,000	1,131,217
3.200%, 11/21/2029 (C)	3,661,000	3,861,378
4.050%, 11/21/2039 (C)	1,142,000	1,261,374
4.250%, 11/21/2049 (C)	3,308,000	3,729,296
Aetna, Inc. 3.875%, 08/15/2047	779,000	824,178
Allergan Funding SCS 3.800%, 03/15/2025	4,626,000	5,054,537
Becton, Dickinson and Company 2.404%, 06/05/2020	3,237,000	3,243,305
3.363%, 06/06/2024	1,091,000	1,160,381
3.700%, 06/06/2027	486,000	536,773
3.734%, 12/15/2024	2,577,000	2,791,397
4.685%, 12/15/2044	1,203,000	1,497,112

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Boston Scientific Corp.		
3.750%, 03/01/2026	\$ 2,456,000	\$ 2,700,462
4.000%, 03/01/2029	2,130,000	2,445,123
4.700%, 03/01/2049	1,814,000	2,367,139
Bristol-Myers Squibb Company		
2.600%, 05/16/2022 (C)	4,208,000	4,316,910
2.750%, 02/15/2023 (C)	3,704,000	3,841,228
2.875%, 02/19/2021 (C)	1,027,000	1,040,274
2.900%, 07/26/2024 (C)	2,294,000	2,417,154
3.200%, 06/15/2026 (C)	2,010,000	2,194,024
3.400%, 07/26/2029 (C)	2,457,000	2,752,470
3.450%, 11/15/2027 (C)	1,435,000	1,596,886
3.900%, 02/20/2028 (C)	550,000	624,718
4.125%, 06/15/2039 (C)	244,000	296,727
4.250%, 10/26/2049 (C)	1,746,000	2,245,998
4.350%, 11/15/2047 (C)	511,000	659,698
Cigna Corp.		
3.400%, 09/17/2021	2,186,000	2,242,681
3.400%, 03/01/2027 (C)	2,514,000	2,686,607
3.750%, 07/15/2023	2,697,000	2,871,186
3.875%, 10/15/2047 (C)	1,654,000	1,751,769
4.900%, 12/15/2048	384,000	476,432
CVS Health Corp.		
2.625%, 08/15/2024	1,291,000	1,333,438
3.000%, 08/15/2026	1,075,000	1,126,712
3.700%, 03/09/2023	987,000	1,043,146
4.000%, 12/05/2023	1,446,000	1,551,375
4.100%, 03/25/2025	2,138,000	2,343,164
4.780%, 03/25/2038	1,055,000	1,244,222
5.050%, 03/25/2048	551,000	678,131
Danaher Corp.		
3.350%, 09/15/2025	2,002,000	2,184,652
DH Europe Finance II Sarl		
2.050%, 11/15/2022	1,586,000	1,614,191
2.200%, 11/15/2024	2,717,000	2,793,376
2.600%, 11/15/2029	3,375,000	3,502,040
3.400%, 11/15/2049	2,026,000	2,234,304
Merck & Company, Inc.		
3.700%, 02/10/2045	691,000	820,009
Novartis Capital Corp.		
2.000%, 02/14/2027	1,845,000	1,886,118
2.200%, 08/14/2030	2,752,000	2,829,856
2.750%, 08/14/2050	1,106,000	1,138,948
Pfizer, Inc.		
2.800%, 03/11/2022	955,000	984,781
3.000%, 12/15/2026	499,000	540,980
4.100%, 09/15/2038	547,000	665,320
Shire Acquisitions Investments		
Ireland DAC		
2.875%, 09/23/2023	2,065,000	2,143,594
3.200%, 09/23/2026	431,000	462,287
Takeda Pharmaceutical Company, Ltd.		
4.400%, 11/26/2023	1,394,000	1,531,351
UnitedHealth Group, Inc.		
2.375%, 08/15/2024	1,758,000	1,815,759
2.875%, 08/15/2029	815,000	867,654
3.500%, 08/15/2039	1,075,000	1,180,884
3.700%, 12/15/2025	1,075,000	1,193,342
3.875%, 08/15/2059	1,075,000	1,225,616
		125,553,398
<b>Industrials – 1.9%</b>		
Burlington Northern Santa Fe LLC		
3.550%, 02/15/2050	1,654,000	1,866,130
4.900%, 04/01/2044	547,000	723,643

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Carrier Global Corp.		
1.923%, 02/15/2023 (C)	\$ 1,016,000	\$ 1,029,137
2.242%, 02/15/2025 (C)	3,535,000	3,596,506
2.493%, 02/15/2027 (C)	2,033,000	2,068,417
2.722%, 02/15/2030 (C)	1,963,000	1,991,178
3.577%, 04/05/2050 (C)	376,000	384,886
Crowley Conro LLC		
4.181%, 08/15/2043	878,900	1,058,976
CSX Corp.		
2.400%, 02/15/2030	299,000	304,609
3.350%, 09/15/2049	1,152,000	1,209,261
4.300%, 03/01/2048	128,000	154,649
4.750%, 11/15/2048	691,000	895,153
General Electric Company		
2.700%, 10/09/2022	475,000	485,378
3.100%, 01/09/2023	348,000	361,228
5.875%, 01/14/2038	1,758,000	2,254,586
Lockheed Martin Corp.		
4.070%, 12/15/2042	1,015,000	1,243,855
Northrop Grumman Corp.		
2.550%, 10/15/2022	3,141,000	3,233,434
2.930%, 01/15/2025	139,000	147,179
3.250%, 08/01/2023 to 01/15/2028	4,687,000	5,008,805
4.030%, 10/15/2047	1,023,000	1,219,598
Otis Worldwide Corp.		
3.112%, 02/15/2040 (C)	203,000	208,022
The Boeing Company		
2.700%, 05/01/2022 to 02/01/2027	4,795,000	4,917,604
2.950%, 02/01/2030	949,000	995,857
3.100%, 05/01/2026	3,402,000	3,604,623
3.500%, 03/01/2039	1,035,000	1,100,872
3.900%, 05/01/2049	821,000	906,960
Union Pacific Corp.		
2.150%, 02/05/2027	1,568,000	1,597,613
2.400%, 02/05/2030	1,937,000	1,983,668
2.950%, 03/01/2022	1,758,000	1,804,605
3.150%, 03/01/2024	839,000	889,161
3.250%, 02/05/2050	1,384,000	1,425,470
3.750%, 02/05/2070	452,000	472,540
4.300%, 03/01/2049	260,000	314,276
United Technologies Corp.		
3.650%, 08/16/2023	624,000	673,896
3.950%, 08/16/2025	1,399,000	1,566,543
4.450%, 11/16/2038	1,299,000	1,614,166
4.625%, 11/16/2048	1,414,000	1,898,778
Ww Grainger, Inc.		
1.850%, 02/15/2025	480,000	485,594
		55,696,856
<b>Information technology – 2.0%</b>		
Adobe, Inc.		
1.900%, 02/01/2025	1,010,000	1,033,294
2.150%, 02/01/2027	2,019,000	2,065,696
2.300%, 02/01/2030	3,533,000	3,623,716
Apple, Inc.		
1.800%, 09/11/2024	2,653,000	2,688,126
2.050%, 09/11/2026	3,185,000	3,266,091
2.200%, 09/11/2029	3,846,000	3,962,243
2.950%, 09/11/2049	1,778,000	1,868,203
3.200%, 05/13/2025 to 05/11/2027	4,227,000	4,615,861
4.250%, 02/09/2047	871,000	1,102,176
Broadcom Corp.		
3.875%, 01/15/2027	2,405,000	2,522,137
Broadcom, Inc.		
4.250%, 04/15/2026 (C)	1,702,000	1,847,047

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
Fiserv, Inc.		
3.200%, 07/01/2026	\$ 1,706,000	\$ 1,822,918
3.500%, 07/01/2029	1,778,000	1,943,354
4.200%, 10/01/2028	167,000	190,952
4.400%, 07/01/2049	903,000	1,071,398
IBM Corp.		
3.300%, 05/15/2026	557,000	608,724
4.150%, 05/15/2039	755,000	910,851
Intel Corp.		
2.450%, 11/15/2029	4,054,000	4,216,304
3.100%, 02/15/2060	1,102,000	1,143,148
3.250%, 11/15/2049	1,025,000	1,118,733
KLA Corp.		
3.300%, 03/01/2050	1,442,000	1,416,844
Micron Technology, Inc.		
4.663%, 02/15/2030	1,335,000	1,472,843
Microsoft Corp.		
3.700%, 08/08/2046	483,000	584,117
4.000%, 02/12/2055	1,279,000	1,620,313
4.100%, 02/06/2037	1,594,000	1,977,035
4.250%, 02/06/2047	1,095,000	1,442,629
4.500%, 02/06/2057	712,000	1,000,454
NXP BV		
3.875%, 06/18/2026 (C)	2,897,000	3,134,399
4.300%, 06/18/2029 (C)	328,000	367,410
Oracle Corp.		
2.625%, 02/15/2023	1,315,000	1,360,331
2.950%, 11/15/2024	703,000	746,217
3.800%, 11/15/2037	719,000	828,499
4.000%, 11/15/2047	2,062,000	2,494,809
		60,066,872
<b>Materials – 0.9%</b>		
Barrick North America Finance LLC		
5.700%, 05/30/2041	1,982,000	2,692,627
5.750%, 05/01/2043	464,000	654,981
DuPont de Nemours, Inc.		
4.205%, 11/15/2023	2,625,000	2,851,525
4.493%, 11/15/2025	1,870,000	2,108,023
5.319%, 11/15/2038	1,969,000	2,395,956
Huntsman International LLC		
4.500%, 05/01/2029	943,000	1,038,244
5.125%, 11/15/2022	803,000	862,613
Minera Mexico SA de CV		
4.500%, 01/26/2050 (C)	933,000	940,585
Newmont Corp.		
3.500%, 03/15/2022	1,403,000	1,447,874
Nutrien, Ltd.		
5.000%, 04/01/2049	866,000	1,077,821
Packaging Corp. of America		
3.000%, 12/15/2029	1,314,000	1,382,268
Steel Dynamics, Inc.		
2.800%, 12/15/2024	1,023,000	1,059,869
3.450%, 04/15/2030	563,000	590,749
Teck Resources, Ltd.		
6.250%, 07/15/2041	1,986,000	2,294,038
The Mosaic Company		
4.050%, 11/15/2027 (D)	1,119,000	1,183,377
5.450%, 11/15/2033	928,000	1,078,788
5.625%, 11/15/2043	901,000	1,066,393
Westlake Chemical Corp.		
3.600%, 08/15/2026	188,000	201,024
4.375%, 11/15/2047	562,000	610,764
WRKCo, Inc.		
4.900%, 03/15/2029	1,125,000	1,324,817
		26,862,336

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate – 0.9%</b>		
American Tower Corp.		
3.800%, 08/15/2029	\$ 975,000	\$ 1,074,946
Equinix, Inc.		
2.625%, 11/18/2024	2,797,000	2,872,351
2.900%, 11/18/2026	2,797,000	2,905,529
3.200%, 11/18/2029	1,110,000	1,161,766
GLP Capital LP		
4.000%, 01/15/2030	1,662,000	1,765,858
5.300%, 01/15/2029	1,007,000	1,163,689
Mid-America Apartments LP		
3.600%, 06/01/2027	675,000	736,443
3.750%, 06/15/2024	2,377,000	2,572,828
3.950%, 03/15/2029	999,000	1,143,347
4.000%, 11/15/2025	1,219,000	1,365,619
4.300%, 10/15/2023	1,019,000	1,110,452
Regency Centers LP		
2.950%, 09/15/2029	2,162,000	2,291,728
SITE Centers Corp.		
4.625%, 07/15/2022	847,000	902,040
STORE Capital Corp.		
4.500%, 03/15/2028	3,744,000	4,213,735
4.625%, 03/15/2029	735,000	836,426
		26,116,757
<b>Utilities – 2.4%</b>		
Alabama Power Company		
3.450%, 10/01/2049	1,973,000	2,148,738
Black Hills Corp.		
3.050%, 10/15/2029	2,899,000	3,049,715
3.875%, 10/15/2049	895,000	1,004,623
CenterPoint Energy Resources Corp.		
4.100%, 09/01/2047	972,000	1,141,158
CenterPoint Energy, Inc.		
2.500%, 09/01/2022 to 09/01/2024	2,366,000	2,441,448
2.950%, 03/01/2030	934,000	971,619
4.250%, 11/01/2028	493,000	564,421
Dominion Energy, Inc.		
2.000%, 08/15/2021	1,399,000	1,412,708
DTE Electric Company		
2.250%, 03/01/2030	2,944,000	2,992,267
2.950%, 03/01/2050	3,774,000	3,887,334
DTE Energy Company		
2.529%, 10/01/2024	1,657,000	1,709,787
3.800%, 03/15/2027	461,000	502,421
Duke Energy Corp.		
1.800%, 09/01/2021	2,098,000	2,109,563
2.650%, 09/01/2026	1,291,000	1,344,774
Edison International		
4.125%, 03/15/2028	5,000	5,454
5.750%, 06/15/2027	1,489,000	1,761,000
Enel Finance International NV		
3.500%, 04/06/2028 (C)	924,000	983,578
4.625%, 09/14/2025 (C)	1,308,000	1,469,104
4.750%, 05/25/2047 (C)	725,000	874,715
4.875%, 06/14/2029 (C)	489,000	565,560
Evergy, Inc.		
2.450%, 09/15/2024	1,833,000	1,886,129
2.900%, 09/15/2029	920,000	948,904
FirstEnergy Corp.		
2.650%, 03/01/2030	2,300,000	2,348,483
2.850%, 07/15/2022	437,000	450,034
3.400%, 03/01/2050	923,000	930,894
3.900%, 07/15/2027	965,000	1,068,719
4.250%, 03/15/2023	2,525,000	2,702,399
Interstate Power & Light Company		
3.500%, 09/30/2049	939,000	1,043,632

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
ITC Holdings Corp. 2.700%, 11/15/2022	\$ 2,002,000	\$ 2,064,949
Jersey Central Power & Light Company 4.300%, 01/15/2026 (C)	871,000	979,877
Metropolitan Edison Company 4.300%, 01/15/2029 (C)	1,570,000	1,833,836
Mid-Atlantic Interstate Transmission LLC 4.100%, 05/15/2028 (C)	1,954,000	2,227,746
Mississippi Power Company 3.950%, 03/30/2028	2,441,000	2,730,238
4.250%, 03/15/2042	1,466,000	1,686,121
NiSource, Inc. 4.375%, 05/15/2047	831,000	976,561
Pennsylvania Electric Company 3.250%, 03/15/2028 (C)	843,000	904,425
PPL Capital Funding, Inc. 3.100%, 05/15/2026	2,397,000	2,541,288
3.400%, 06/01/2023	288,000	302,454
5.000%, 03/15/2044	1,331,000	1,647,578
Southern California Edison Company 2.850%, 08/01/2029 (D)	1,011,000	1,053,904
3.650%, 02/01/2050	1,019,000	1,083,245
4.125%, 03/01/2048	1,622,000	1,861,406
4.650%, 10/01/2043	475,000	584,365
Southern California Gas Company 2.550%, 02/01/2030	2,250,000	2,373,650
2.600%, 06/15/2026	563,000	589,570
Trans-Allegheny Interstate Line Company 3.850%, 06/01/2025 (C)	693,000	764,303
Virginia Electric & Power Company 3.300%, 12/01/2049	1,454,000	1,567,365
		70,092,062
<b>TOTAL CORPORATE BONDS</b> (Cost \$740,155,547)		\$ 783,513,306
<b>MUNICIPAL BONDS – 0.5%</b>		
County of Clark Department of Aviation (Nevada) 6.820%, 07/01/2045	1,115,000	1,946,299
Los Angeles Community College District (California) 6.750%, 08/01/2049	2,270,000	4,118,506
North Texas Tollway Authority 6.718%, 01/01/2049	1,390,000	2,494,049
Port Authority of New York & New Jersey 4.458%, 10/01/2062	3,060,000	4,181,796
State of California 7.600%, 11/01/2040	410,000	724,630
The Ohio State University 4.800%, 06/01/2111	600,000	925,446
<b>TOTAL MUNICIPAL BONDS (Cost \$11,209,914)</b>		\$ 14,390,726
<b>COLLATERALIZED MORTGAGE OBLIGATIONS – 10.1%</b>		
<b>Commercial and residential – 3.6%</b>		
Angel Oak Mortgage Trust I LLC Series 2019-2, Class A1 3.628%, 03/25/2049 (C)(E)	1,333,884	1,355,078
BBCMS Mortgage Trust Series 2018-C2, Class A5 4.314%, 12/15/2051	3,515,000	4,141,136

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Benchmark Mortgage Trust Series 2018-B1, Class ASB 3.602%, 01/15/2051 (E)	\$ 532,000	\$ 582,869
Bunker Hill Loan Depository Trust Series 2019-1, Class A1, 3.613%, 10/26/2048 (C)	978,136	989,639
Series 2019-2, Class A1, 2.879%, 07/25/2049 (C)	2,733,341	2,777,019
Series 2019-3, Class A1, 2.724%, 11/25/2059 (C)	3,148,072	3,181,184
CD Mortgage Trust Series 2016-CD1, Class A1, 1.443%, 08/10/2049	196,486	196,175
Series 2017-CD4, Class A4, 3.514%, 05/10/2050 (E)	4,839,000	5,365,931
Series 2017-CD4, Class ASB, 3.317%, 05/10/2050	702,000	755,139
Series 2017-CD6, Class ASB, 3.332%, 11/13/2050	1,764,000	1,905,787
CFCRE Commercial Mortgage Trust Series 2016-C3, Class A1, 1.793%, 01/10/2048	218,876	218,827
Series 2017-C8, Class A1, 1.965%, 06/15/2050	154,941	155,078
Series 2017-C8, Class ASB, 3.367%, 06/15/2050	733,000	780,379
Citigroup Commercial Mortgage Trust Series 2016-P5, Class A1, 1.410%, 10/10/2049	1,278,197	1,275,966
Series 2019-GC43, Class A4, 3.038%, 11/10/2052	984,000	1,069,583
COLT Mortgage Loan Trust Series 2019-1, Class A1, 3.705%, 03/25/2049 (C)(E)	652,714	664,316
Series 2019-2, Class A1, 3.337%, 05/25/2049 (C)(E)	2,180,921	2,220,379
Series 2019-4, Class A1, 2.579%, 11/25/2049 (C)(E)	2,617,315	2,650,656
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2016-COR1, Class ASB 2.972%, 10/10/2049	562,000	590,162
CSAIL Commercial Mortgage Trust Series 2015-C2, Class A4, 3.504%, 06/15/2057	6,737,176	7,325,023
Series 2015-C4, Class A4, 3.808%, 11/15/2048	1,802,000	1,996,772
Series 2016-C5, Class ASB, 3.533%, 11/15/2048	279,000	295,322
CSMC Trust Series 2016-NXSR, Class A4 3.795%, 12/15/2049 (E)	4,516,000	5,032,121
DBJPM Mortgage Trust Series 2017-C6, Class ASB 3.121%, 06/10/2050	416,000	443,717
GCAT LLC Series 2019-NQM1, Class A1 2.985%, 02/25/2059 (C)	1,042,503	1,068,754
GS Mortgage Securities Trust Series 2012-GCJ7, Class AAB, 2.935%, 05/10/2045	45,369	45,526
Series 2014-GC18, Class A3, 3.801%, 01/10/2047	565,161	599,204



# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
GS Mortgage Securities Trust (continued)		
Series 2015-GC28, Class A5, 3.396%, 02/10/2048	\$ 675,000	\$ 728,364
Series 2015-GC34, Class A4, 3.506%, 10/10/2048	1,606,000	1,756,635
Series 2019-GSA1, Class A4, 3.048%, 11/10/2052	1,425,000	1,541,605
Impact Funding Affordable Multifamily Housing Mortgage Loan Trust		
Series 2010-1, Class A1 5.314%, 01/25/2051 (C)	3,172,877	3,524,274
JPMBB Commercial Mortgage Securities Trust		
Series 2014-C23, Class A4, 3.670%, 09/15/2047	793,000	855,936
Series 2015-C28, Class A2, 2.773%, 10/15/2048	208,148	208,091
Series 2015-C28, Class A3, 2.912%, 10/15/2048	3,160,000	3,320,664
Series 2015-C33, Class A4, 3.770%, 12/15/2048	437,000	483,983
JPMCC Commercial Mortgage Securities Trust		
Series 2017-JP6, Class ASB 3.283%, 07/15/2050	781,000	837,751
JPMDB Commercial Mortgage Securities Trust		
Series 2017-C5, Class ASB, 3.492%, 03/15/2050	281,000	303,379
Series 2018-C8, Class ASB, 4.145%, 06/15/2051	841,000	948,533
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2016-JP2, Class A1 1.324%, 08/15/2049	367,422	366,496
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2013-C10, Class A4, 4.083%, 07/15/2046 (E)	260,000	280,614
Series 2015-C20, Class A4, 3.249%, 02/15/2048	231,000	247,619
Series 2015-C25, Class ASB, 3.383%, 10/15/2048	842,000	889,370
Series 2015-C27, Class A4, 3.753%, 12/15/2047	226,000	249,572
Morgan Stanley Capital I Trust		
Series 2016-UB11, Class A1, 1.445%, 08/15/2049	408,275	407,412
Series 2016-UB11, Class ASB, 2.606%, 08/15/2049	646,000	669,096
Series 2018-H3, Class A5, 4.177%, 07/15/2051	450,000	523,013
New Residential Mortgage Loan Trust		
Series 2019-NQM2, Class A1, 3.600%, 04/25/2049 (C)(E)	1,367,698	1,384,377
Series 2019-NQM4, Class A1, 2.492%, 09/25/2059 (C)(E)	2,149,333	2,176,830
SG Residential Mortgage Trust		
Series 2019-3, Class A1 2.703%, 09/25/2059 (C)(E)	2,512,992	2,528,290
Starwood Mortgage Residential Trust		
Series 2019-INV1, Class A1, 2.610%, 09/27/2049 (C)(E)	2,419,046	2,425,298

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>Commercial and residential (continued)</b>		
Starwood Mortgage Residential Trust (continued)		
Series 2020-1, Class A1, 2.275%, 02/25/2050 (C)(E)	\$ 4,383,000	\$ 4,415,477
Verus Securitization Trust		
Series 2019-1, Class A1, 3.836%, 02/25/2059 (C)(E)	1,539,457	1,562,496
Series 2019-2, Class A1, 3.211%, 05/25/2059 (C)(E)	5,085,803	5,139,196
Series 2019-3, Class A1, 2.784%, 07/25/2059 (C)	4,851,363	4,875,506
Series 2019-4, Class A1, 2.642%, 11/25/2059 (C)	6,737,776	6,794,756
Series 2019-INV1, Class A1, 3.402%, 12/25/2059 (C)(E)	1,353,854	1,368,550
Series 2019-INV2, Class A1, 2.913%, 07/25/2059 (C)(E)	2,437,019	2,464,149
Series 2019-INV3, Class A1, 2.692%, 11/25/2059 (C)(E)	2,820,887	2,841,475
Series 2020-1, Class A1, 2.417%, 01/25/2060 (C)(E)	1,451,692	1,465,788
Visio Trust		
Series 2019-1, Class A1 3.572%, 06/25/2054 (C)(E)	1,283,275	1,306,702
		106,573,039
<b>U.S. Government Agency – 6.5%</b>		
Federal Home Loan Mortgage Corp.		
Series 264, Class 30, 3.000%, 07/15/2042	4,707,014	4,950,086
Series 343, Class F4 (1 month LIBOR + 0.350%), 2.852%, 10/15/2037 (B)	2,779,545	2,764,865
Series 4205, Class PA, 1.750%, 05/15/2043	1,970,938	1,978,856
Series 4426, Class QC, 1.750%, 07/15/2037	3,149,764	3,178,094
Series 4705, Class A, 4.500%, 09/15/2042	1,757,261	1,918,651
Series 4742, Class PA, 3.000%, 10/15/2047	5,268,927	5,505,572
Series 4763, Class CA, 3.000%, 09/15/2038	546,299	581,615
Series 4767, Class KA, 3.000%, 03/15/2048	2,615,057	2,768,403
Series 4786, Class DP, 4.500%, 07/15/2042	1,140,073	1,167,538
Series 4796, Class AK, 3.000%, 05/15/2048	4,675,196	4,855,083
Series 4802, Class A, 3.000%, 06/15/2048	4,645,967	4,821,763
Series 4846, Class PF (1 month LIBOR + 0.350%), 2.009%, 12/15/2048 (B)	980,771	977,858
Series 4856, Class FD (1 month LIBOR + 0.300%), 1.959%, 08/15/2040 (B)	3,347,994	3,325,363
Series 4874, Class AT, 3.000%, 09/15/2048	14,328,564	14,842,024
Series 4880, Class DA, 3.000%, 05/15/2050	4,035,472	4,256,538
Series 4897, Class F (1 month LIBOR + 0.400%), 2.059%, 07/15/2049 (B)	1,176,205	1,169,553

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National Mortgage Association		
Series 1998-61, Class PL, 6.000%, 11/25/2028	\$ 219,590	\$ 247,978
Series 2012-151, Class NX, 1.500%, 01/25/2043	2,472,955	2,482,779
Series 2013-11, Class AP, 1.500%, 01/25/2043	5,869,017	5,892,871
Series 2013-30, Class CA, 1.500%, 04/25/2043	547,285	550,127
Series 2013-43, Class BP, 1.750%, 05/25/2043	2,790,823	2,801,927
Series 2014-73, Class MA, 2.500%, 11/25/2044	1,659,439	1,719,755
Series 2015-84, Class PA, 1.700%, 08/25/2033	7,593,465	7,673,725
Series 2016-48, Class MA, 2.000%, 06/25/2038	9,997,454	10,213,784
Series 2016-57, Class PC, 1.750%, 06/25/2046	14,241,891	14,371,653
Series 2017-13, Class PA, 3.000%, 08/25/2046	1,678,849	1,786,746
Series 2017-42, Class H, 3.000%, 11/25/2043	1,995,564	2,070,589
Series 2017-M7, Class A2, 2.961%, 02/25/2027 (E)	633,000	688,170
Series 2018-14, Class KC, 3.000%, 03/25/2048	2,462,600	2,603,547
Series 2018-15, Class AB, 3.000%, 03/25/2048	719,896	765,488
Series 2018-45, Class GA, 3.000%, 06/25/2048	5,881,179	6,074,969
Series 2018-79, Class FA (1 month LIBOR + 0.250%), 1.877%, 11/25/2048 (B)	5,291,949	5,256,922
Series 2018-8, Class KL, 2.500%, 03/25/2047	2,184,104	2,264,555
Series 2019-14, Class FB (1 month LIBOR + 0.400%), 2.181%, 04/25/2059 (B)	1,888,958	1,887,037
Series 2019-18, Class FH (1 month LIBOR + 0.350%), 1.977%, 05/25/2049 (B)	3,295,649	3,271,233
Series 2019-25, Class PA, 3.000%, 05/25/2048	3,186,874	3,372,759
Series 2019-25, Class YF (1 month LIBOR + 0.450%), 2.077%, 10/25/2046 (B)	6,509,430	6,505,116
Series 2019-35, Class FH (1 month LIBOR + 0.350%), 1.977%, 07/25/2049 (B)	1,449,150	1,443,250
Series 2019-35, Class MB, 3.000%, 07/25/2049	3,497,910	3,754,453
Series 2019-42, Class FK (1 month LIBOR + 0.450%), 2.077%, 08/25/2049 (B)	7,531,548	7,512,466
Series 2019-60, Class BF (1 month LIBOR + 0.450%), 2.077%, 10/25/2049 (B)	2,643,606	2,633,404
Series 2019-60, Class FW (1 month LIBOR + 0.450%), 2.077%, 10/25/2049 (B)	1,875,567	1,872,965
Series 2019-67, Class FB (1 month LIBOR + 0.450%), 2.077%, 11/25/2049 (B)	2,320,478	2,309,192

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>COLLATERALIZED MORTGAGE OBLIGATIONS (continued)</b>		
<b>U.S. Government Agency (continued)</b>		
Federal National		
Mortgage Association (continued)		
Series 2019-70, Class FL (1 month LIBOR + 0.400%), 2.027%, 12/25/2049 (B)	\$ 4,718,359	\$ 4,708,873
Series 2019-8, Class GA, 3.000%, 03/25/2049	7,843,107	8,132,124
Series 414, Class A35, 3.500%, 10/25/2042	2,398,212	2,615,403
Government National		
Mortgage Association		
Series 2012-141, Class WA, 4.525%, 11/16/2041 (E)	538,153	619,767
Series 2017-167, Class BQ, 2.500%, 08/20/2044	2,277,806	2,352,543
Series 2019-132, Class NA, 3.500%, 09/20/2049	6,111,536	6,424,904
Series 2019-31, Class JC, 3.500%, 03/20/2049	3,035,942	3,147,910
		189,090,846
<b>TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS</b>		
(Cost \$286,047,194)		
		\$ 295,663,885
<b>ASSET BACKED SECURITIES – 9.5%</b>		
Avis Budget Rental Car Funding		
AESOP LLC		
Series 2017-1A, Class A 3.070%, 09/20/2023 (C)	939,000	973,542
Series 2019-3A, Class A 2.360%, 03/20/2026 (C)	3,148,000	3,248,519
College Ave Student Loans LLC		
Series 2017-A, Class A1 (1 month LIBOR + 1.650%) 3.277%, 11/26/2046 (B)(C)	1,070,655	1,070,050
Series 2018-A, Class A2 4.130%, 12/26/2047 (C)	1,207,783	1,297,453
Series 2019-A, Class A2 3.280%, 12/28/2048 (C)	1,179,290	1,212,250
Ford Credit Auto Owner Trust		
Series 2017-1, Class A 2.620%, 08/15/2028 (C)	2,680,000	2,749,850
Series 2017-2, Class A 2.360%, 03/15/2029 (C)	5,660,000	5,809,897
Series 2018-1, Class A 3.190%, 07/15/2031 (C)	7,258,000	7,790,444
Series 2018-2, Class A 3.470%, 01/15/2030 (C)	3,419,000	3,637,551
Series 2019-1, Class A 3.520%, 07/15/2030 (C)	3,514,000	3,781,015
Series 2020-1, Class A 2.040%, 08/15/2031 (C)	9,494,000	9,694,234
Hertz Vehicle Financing II LP		
Series 2016-4A, Class A 2.650%, 07/25/2022 (C)	224,000	226,983
Series 2017-2A, Class A 3.290%, 10/25/2023 (C)	2,646,000	2,753,459
Series 2018-1A, Class A 3.290%, 02/25/2024 (C)	4,232,000	4,427,565
Series 2018-3A, Class A 4.030%, 07/25/2024 (C)	2,306,000	2,473,761
Series 2019-1A, Class A 3.710%, 03/25/2023 (C)	2,463,000	2,569,156
Series 2019-2A, Class A 3.420%, 05/25/2025 (C)	3,999,000	4,250,316



# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Hertz Vehicle Financing II LP (continued)		
Series 2019-3A, Class A 2.670%, 12/26/2025 (C)	\$ 2,848,000	\$ 2,942,138
Navient Private Education Loan Trust		
Series 2014-CTA, Class A (1 month LIBOR + 0.700%)	52,428	52,438
Series 2016-AA, Class A2B (1 month LIBOR + 2.150%)	756,826	781,936
Series 2018-BA, Class A2A 3.610%, 12/15/2059 (C)	1,380,000	1,450,443
Navient Private Education Refi Loan Trust		
Series 2018-A, Class A2 3.190%, 02/18/2042 (C)	7,668,000	7,915,884
Series 2018-CA, Class A2 3.520%, 06/16/2042 (C)	750,000	780,113
Series 2018-DA, Class A2A 4.000%, 12/15/2059 (C)	3,186,000	3,368,664
Series 2019-A, Class A2A 3.420%, 01/15/2043 (C)	4,873,000	5,065,008
Series 2019-CA, Class A2 3.130%, 02/15/2068 (C)	3,693,000	3,867,989
Series 2019-D, Class A2A 3.010%, 12/15/2059 (C)	5,091,000	5,277,775
Series 2019-FA, Class A2 2.600%, 08/15/2068 (C)	5,797,000	5,995,715
Series 2019-GA, Class A 2.400%, 10/15/2068 (C)	5,592,159	5,726,472
Series 2020-A, Class A2A 2.460%, 11/15/2068 (C)	2,761,000	2,849,693
Series 2020-A, Class A2B (1 month LIBOR + 0.900%)	2,393,000	2,390,781
Series 2020-BA, Class A2 2.120%, 01/15/2069 (C)	2,124,000	2,122,513
Navient Student Loan Trust		
Series 2014-1, Class A3 (1 month LIBOR + 0.510%)	2,137,567	2,103,645
Series 2015-1, Class A2 (1 month LIBOR + 0.600%)	2,252,063	2,213,238
Series 2016-1A, Class A (1 month LIBOR + 0.700%)	1,981,605	1,971,646
Series 2016-3A, Class A2 (1 month LIBOR + 0.850%)	287,096	287,442
Series 2017-5A, Class A (1 month LIBOR + 0.800%)	1,902,802	1,877,567
Series 2018-EA, Class A2 4.000%, 12/15/2059 (C)	1,964,000	2,072,283
Series 2019-3A, Class A (1 month LIBOR + 0.830%)	9,791,088	9,849,459
Series 2019-4A, Class A2 (1 month LIBOR + 0.810%)	4,733,000	4,762,672
Series 2019-BA, Class A2A 3.390%, 12/15/2059 (C)	3,938,000	4,182,264

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Nelnet Student Loan Trust		
Series 2004-3, Class A5 (3 month LIBOR + 0.180%)	\$ 652,880	\$ 635,777
Series 2004-4, Class A5 (3 month LIBOR + 0.160%)	2,018,894	1,975,386
Series 2005-1, Class A5 (3 month LIBOR + 0.110%)	7,694,609	7,508,300
Series 2005-2, Class A5 (3 month LIBOR + 0.100%)	10,051,625	9,800,940
Series 2005-3, Class A5 (3 month LIBOR + 0.120%)	6,294,802	6,194,685
Series 2005-4, Class A4 (3 month LIBOR + 0.180%)	670,455	647,030
Series 2012-2A, Class A (1 month LIBOR + 0.800%)	4,425,367	4,407,359
Series 2012-4A, Class A (1 month LIBOR + 0.700%)	2,405,577	2,389,302
Series 2013-1A, Class A (1 month LIBOR + 0.600%)	1,966,004	1,925,242
Series 2014-1A, Class A (1 month LIBOR + 0.570%)	611,215	602,550
Series 2016-1A, Class A (1 month LIBOR + 0.800%)	2,289,927	2,292,807
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A 2.510%, 01/26/2032 (C)	6,020,000	6,233,277
SLC Student Loan Trust		
Series 2007-1, Class A5 (3 month LIBOR + 0.090%)	1,985,000	1,835,907
Series 2008-1, Class A4A (3 month LIBOR + 1.600%)	1,723,610	1,754,008
SLM Student Loan Trust		
Series 2003-1, Class A5C (3 month LIBOR + 0.750%)	928,395	895,033
Series 2007-2, Class A4 (3 month LIBOR + 0.060%)	2,388,272	2,326,496
Series 2010-1, Class A (1 month LIBOR + 0.400%)	369,802	356,691
Series 2012-1, Class A3 (1 month LIBOR + 0.950%)	3,376,802	3,307,748
Series 2012-2, Class A (1 month LIBOR + 0.700%)	3,101,270	3,030,686
Series 2012-6, Class A3 (1 month LIBOR + 0.750%)	613,007	608,886
Series 2013-4, Class A (1 month LIBOR + 0.550%)	4,791,960	4,746,314

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
SMB Private Education Loan Trust		
Series 2015-A, Class A2B (1 month LIBOR + 1.000%) 2.658%, 06/15/2027 (B)(C)	\$ 963,418	\$ 965,851
Series 2015-C, Class A2B (1 month LIBOR + 1.400%) 3.059%, 07/15/2027 (B)(C)	366,871	369,527
Series 2016-A, Class A2A 2.700%, 05/15/2031 (C)	2,126,774	2,170,143
Series 2016-A, Class A2B (1 month LIBOR + 1.500%) 3.159%, 05/15/2031 (B)(C)	5,963,903	6,022,630
Series 2016-B, Class A2A 2.430%, 02/17/2032 (C)	349,551	355,124
Series 2016-B, Class A2B (1 month LIBOR + 1.450%) 3.109%, 02/17/2032 (B)(C)	3,004,953	3,031,819
Series 2016-C, Class A2B (1 month LIBOR + 1.100%) 2.759%, 09/15/2034 (B)(C)	1,079,638	1,083,285
Series 2017-A, Class A2B (1 month LIBOR + 0.900%) 2.559%, 09/15/2034 (B)(C)	3,361,935	3,364,136
Series 2017-B, Class A2A 2.820%, 10/15/2035 (C)	3,359,685	3,460,246
Series 2017-B, Class A2B (1 month LIBOR + 0.750%) 2.409%, 10/15/2035 (B)(C)	2,163,502	2,161,453
Series 2018-C, Class A2A 3.630%, 11/15/2035 (C)	1,952,000	2,076,170
Series 2019-A, Class A2A 3.440%, 07/15/2036 (C)	9,538,000	10,156,584
SoFi Professional Loan Program LLC		
Series 2016-A, Class A2 2.760%, 12/26/2036 (C)	1,031,652	1,045,199
Series 2016-D, Class A1 (1 month LIBOR + 0.950%) 2.577%, 01/25/2039 (B)(C)	101,270	101,817
Series 2016-E, Class A1 (1 month LIBOR + 0.850%) 2.477%, 07/25/2039 (B)(C)	241,223	241,421
Series 2017-A, Class A1 (1 month LIBOR + 0.700%) 2.327%, 03/26/2040 (B)(C)	387,841	389,348
Series 2017-C, Class A1 (1 month LIBOR + 0.600%) 2.227%, 07/25/2040 (B)(C)	538,751	540,024
Series 2017-D, Class A2FX 2.650%, 09/25/2040 (C)	1,203,623	1,230,847
Series 2017-E, Class A1 (1 month LIBOR + 0.500%) 2.127%, 11/26/2040 (B)(C)	164,514	164,607
Series 2017-E, Class A2B 2.720%, 11/26/2040 (C)	3,269,000	3,351,689
Series 2018-A, Class A2B 2.950%, 02/25/2042 (C)	1,487,000	1,532,350
Series 2018-B, Class A2FX 3.340%, 08/25/2047 (C)	15,751,000	16,333,228
Series 2020-A, Class A2FX 2.540%, 05/15/2046 (C)	4,799,000	4,971,716
Toyota Auto Loan Extended Note Trust		
Series 2019-1A, Class A 2.560%, 11/25/2031 (C)	5,224,000	5,464,500

## Core Bond Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Verizon Owner Trust		
Series 2019-C, Class A1A 1.940%, 04/22/2024	\$ 2,176,000	\$ 2,210,231
Series 2020-A, Class A1A 1.850%, 07/22/2024	5,078,000	5,147,040
<b>TOTAL ASSET BACKED SECURITIES</b> (Cost \$273,351,568)		\$ 279,289,232
<b>SHORT-TERM INVESTMENTS – 3.5%</b>		
<b>Short-term funds – 3.5%</b>		
John Hancock Collateral Trust, 1.6968% (F)(G)		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5386% (F)	166,775	1,669,238
100,800,506	100,800,506	100,800,506
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$102,469,330)</b>		\$ 102,469,744
<b>Total Investments (Core Bond Fund)</b> (Cost \$3,071,897,967) – 108.6%		\$ 3,182,326,379
<b>Other assets and liabilities, net – (8.6%)</b>		(252,742,183)
<b>TOTAL NET ASSETS – 100.0%</b>		\$ 2,929,584,196

### Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	Security purchased or sold on a when-issued or delayed delivery basis.
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$433,221,675 or 14.8% of the fund's net assets as of 2-29-20.
(D)	All or a portion of this security is on loan as of 2-29-20.
(E)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(F)	The rate shown is the annualized seven-day yield as of 2-29-20.
(G)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

## High Yield Fund

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS – 0.8%</b>		
<b>Argentina – 0.4%</b>		
Provincia de Buenos Aires		
7.875%, 06/15/2027	\$ 870,000	\$ 330,600
Republic of Argentina		
5.625%, 01/26/2022	470,000	218,550
6.875%, 01/26/2027	430,000	181,679
7.500%, 04/22/2026	330,000	142,728
		873,557
<b>Brazil – 0.4%</b>		
Federative Republic of Brazil		
10.000%, 01/01/2021	BRL 239,000	56,744
10.000%, 01/01/2023	3,531,000	894,615

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS (continued)</b>		
<b>Brazil (continued)</b>		
Federative Republic of Brazil (continued)		
10.000%, 01/01/2027	BRL 206,000	\$ 55,207
		1,006,566
<b>Indonesia – 0.0%</b>		
Republic of Indonesia		
8.375%, 03/15/2034	IDR 543,000,000	40,685
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS</b> (Cost \$3,369,695)		
		\$ 1,920,808
<b>CORPORATE BONDS – 82.4%</b>		
<b>Communication services – 14.2%</b>		
Allen Media LLC		
10.500%, 02/15/2028 (A)	\$ 900,000	864,000
Altice France SA		
7.375%, 05/01/2026 (A)	3,130,000	3,282,431
American Media LLC		
10.500%, 12/31/2026 (A)	920,000	998,200
CCO Holdings LLC		
5.125%, 05/01/2023 to 05/01/2027 (A)	3,000,000	3,070,660
5.750%, 02/15/2026 (A)	215,000	223,536
CenturyLink, Inc.		
4.000%, 02/15/2027 (A)	370,000	371,813
Charter Communications Operating LLC		
4.908%, 07/23/2025	820,000	918,774
6.484%, 10/23/2045	250,000	321,520
Cogent Communications Group, Inc.		
5.375%, 03/01/2022 (A)	1,330,000	1,363,250
CSC Holdings LLC		
6.500%, 02/01/2029 (A)	1,620,000	1,784,025
iHeartCommunications, Inc.		
4.750%, 01/15/2028 (A)	280,000	278,600
Intelsat Jackson Holdings SA		
5.500%, 08/01/2023	950,000	817,000
8.000%, 02/15/2024 (A)	330,000	338,250
Lions Gate Capital Holdings LLC		
5.875%, 11/01/2024 (A)	1,000,000	972,500
Match Group, Inc.		
5.000%, 12/15/2027 (A)	400,000	414,000
6.375%, 06/01/2024	440,000	454,903
Netflix, Inc.		
4.375%, 11/15/2026	320,000	335,104
4.875%, 06/15/2030 (A)	500,000	526,900
5.375%, 11/15/2029 (A)	770,000	837,144
6.375%, 05/15/2029	790,000	913,438
Sirius XM Radio, Inc.		
4.625%, 07/15/2024 (A)	290,000	298,976
Sprint Capital Corp.		
8.750%, 03/15/2032	2,150,000	2,988,500
Sprint Communications, Inc.		
11.500%, 11/15/2021	1,591,000	1,817,718
Sprint Corp.		
7.250%, 09/15/2021	1,000,000	1,061,350
7.625%, 02/15/2025	40,000	46,400
7.875%, 09/15/2023	1,470,000	1,680,695
Telecom Italia SpA		
5.303%, 05/30/2024 (A)	1,000,000	1,067,500
Twitter, Inc.		
3.875%, 12/15/2027 (A)	590,000	602,538
Univision Communications, Inc.		
5.125%, 02/15/2025 (A)	650,000	613,288
UPC Holding BV		
5.500%, 01/15/2028 (A)	370,000	375,217
Virgin Media Secured Finance PLC		
5.500%, 08/15/2026 to 05/15/2029 (A)	2,740,000	2,816,020

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Ypso Finance Bis SA		
10.500%, 05/15/2027 (A)	\$ 290,000	\$ 328,695
		32,782,945
<b>Consumer discretionary – 14.9%</b>		
American Axle & Manufacturing, Inc.		
6.250%, 03/15/2026	160,000	153,920
6.500%, 04/01/2027	670,000	642,865
Boyne USA, Inc.		
7.250%, 05/01/2025 (A)	630,000	674,100
Brinker International, Inc.		
5.000%, 10/01/2024 (A)	420,000	438,060
Carriage Services, Inc.		
6.625%, 06/01/2026 (A)	730,000	752,185
Century Communities, Inc.		
5.875%, 07/15/2025	1,390,000	1,452,550
CSC Holdings LLC		
10.875%, 10/15/2025 (A)	638,000	700,014
Delphi Technologies PLC		
5.000%, 10/01/2025 (A)	510,000	558,450
DISH DBS Corp.		
7.750%, 07/01/2026 (B)	3,080,000	3,309,644
ESH Hospitality, Inc.		
4.625%, 10/01/2027 (A)	420,000	409,500
5.250%, 05/01/2025 (A)	240,000	241,399
Fontainebleau Las Vegas Holdings LLC		
11.000%, 06/15/2015 (A)(C)	2,983,778	11,040
frontdoor, Inc.		
6.750%, 08/15/2026 (A)	1,000,000	1,094,305
Golden Nugget, Inc.		
8.750%, 10/01/2025 (A)	660,000	662,779
Hanesbrands, Inc.		
4.625%, 05/15/2024 (A)	570,000	595,650
4.875%, 05/15/2026 (A)	550,000	576,125
Hilton Worldwide Finance LLC		
4.625%, 04/01/2025	240,000	240,900
Installed Building Products, Inc.		
5.750%, 02/01/2028 (A)	500,000	532,810
L Brands, Inc.		
5.250%, 02/01/2028	1,560,000	1,514,175
Lennar Corp.		
4.750%, 11/29/2027	970,000	1,069,425
5.875%, 11/15/2024	640,000	698,688
Levi Strauss & Company		
5.000%, 05/01/2025	800,000	822,800
Marston's Issuer PLC (3 month GBP LIBOR + 2.550%) 3.275%, 07/15/2035 (D)	GBP 380,000	415,278
Melco Resorts Finance, Ltd.		
5.375%, 12/04/2029 (A)	\$ 340,000	339,950
MGM Growth Properties Operating Partnership LP		
4.500%, 09/01/2026	510,000	527,850
Michaels Stores, Inc.		
8.000%, 07/15/2027 (A)(B)	360,000	300,096
Mohegan Gaming & Entertainment		
7.875%, 10/15/2024 (A)	1,060,000	1,048,520
NCL Corp., Ltd.		
3.625%, 12/15/2024 (A)	330,000	305,715
New Red Finance, Inc.		
3.875%, 01/15/2028 (A)	640,000	636,000
Party City Holdings, Inc.		
6.625%, 08/01/2026 (A)	670,000	388,600
PetSmart, Inc.		
8.875%, 06/01/2025 (A)	320,000	318,400

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Prime Security Services Borrower LLC 6.250%, 01/15/2028 (A)	\$ 1,060,000	\$ 1,025,868
Sands China, Ltd. 5.400%, 08/08/2028	200,000	226,460
Scientific Games International, Inc. 7.000%, 05/15/2028 (A)	860,000	837,963
Service Corp. International 4.625%, 12/15/2027	680,000	712,300
5.125%, 06/01/2029	500,000	540,625
5.375%, 05/15/2024	240,000	244,500
Silversea Cruise Finance, Ltd. 7.250%, 02/01/2025 (A)	632,000	649,380
Speedway Motorsports LLC 4.875%, 11/01/2027 (A)	830,000	822,779
Sugarhouse HSP Gaming Prop Mezz LP 5.875%, 05/15/2025 (A)	380,000	372,400
Taylor Morrison Communities, Inc. 5.875%, 01/31/2025 (A)	320,000	327,802
6.000%, 09/01/2023 (A)	890,000	918,747
The ServiceMaster Company LLC 5.125%, 11/15/2024 (A)	630,000	649,688
The William Carter Company 5.625%, 03/15/2027 (A)	390,000	414,931
Time Warner Cable LLC 7.300%, 07/01/2038	680,000	923,162
TopBuild Corp. 5.625%, 05/01/2026 (A)	1,040,000	1,081,600
Viking Cruises, Ltd. 5.875%, 09/15/2027 (A)	1,090,000	968,792
VOC Escrow, Ltd. 5.000%, 02/15/2028 (A)	690,000	615,825
WW International, Inc. 8.625%, 12/01/2025 (A)	1,200,000	1,251,000
Wynn Macau, Ltd. 5.125%, 12/15/2029 (A)	300,000	294,000
		34,309,615
<b>Consumer staples – 2.8%</b>		
Altria Group, Inc. 5.950%, 02/14/2049	410,000	520,541
Cott Holdings, Inc. 5.500%, 04/01/2025 (A)	680,000	695,864
Lamb Weston Holdings, Inc. 4.875%, 11/01/2026 (A)	1,200,000	1,245,060
Pactiv LLC 7.950%, 12/15/2025	1,200,000	1,368,000
Pilgrim's Pride Corp. 5.875%, 09/30/2027 (A)	230,000	238,349
Sally Holdings LLC 5.625%, 12/01/2025	780,000	790,530
Simmons Foods, Inc. 5.750%, 11/01/2024 (A)	680,000	673,200
Spectrum Brands, Inc. 5.000%, 10/01/2029 (A)	250,000	258,158
5.750%, 07/15/2025	20,000	20,500
6.125%, 12/15/2024	520,000	537,228
		6,347,430
<b>Energy – 9.1%</b>		
Blue Racer Midstream LLC 6.125%, 11/15/2022 (A)	920,000	841,101
6.625%, 07/15/2026 (A)	1,190,000	1,011,500
Callon Petroleum Company 8.250%, 07/15/2025	510,000	453,900
Chesapeake Energy Corp. 5.375%, 06/15/2021	100,000	69,420

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Comstock Resources, Inc. 7.500%, 05/15/2025 (A)	\$ 880,000	\$ 648,736
DCP Midstream LLC 6.450%, 11/03/2036 (A)	310,000	316,975
DCP Midstream Operating LP 6.750%, 09/15/2037 (A)	700,000	735,000
Endeavor Energy Resources LP 5.500%, 01/30/2026 (A)	270,000	267,975
Extraction Oil & Gas, Inc. 5.625%, 02/01/2026 (A)	1,600,000	560,000
7.375%, 05/15/2024 (A)	1,030,000	354,495
Genesis Energy LP 5.625%, 06/15/2024	700,000	602,000
MEG Energy Corp. 7.000%, 03/31/2024 (A)	259,000	245,403
7.125%, 02/01/2027 (A)	1,300,000	1,235,000
Montage Resources Corp. 8.875%, 07/15/2023	500,000	360,000
NGPL PipeCo LLC 4.375%, 08/15/2022 (A)	460,000	480,516
4.875%, 08/15/2027 (A)	300,000	325,113
Northern Oil and Gas, Inc. (8.500% Cash and 1.000% PIK) 9.500%, 05/15/2023	261,171	262,477
Oasis Petroleum, Inc. 6.875%, 01/15/2023 (B)	921,000	713,775
Parsley Energy LLC 4.125%, 02/15/2028 (A)	500,000	468,750
Petrobras Global Finance BV 5.750%, 02/01/2029	40,000	45,100
6.850%, 06/05/2115	580,000	686,575
Precision Drilling Corp. 7.125%, 01/15/2026 (A)	870,000	803,010
Range Resources Corp. 5.000%, 03/15/2023 (B)	450,000	326,115
9.250%, 02/01/2026 (A)	250,000	169,575
Rockies Express Pipeline LLC 6.875%, 04/15/2040 (A)	830,000	850,536
7.500%, 07/15/2038 (A)	710,000	788,725
Shelf Drilling Holdings, Ltd. 8.250%, 02/15/2025 (A)	1,000,000	830,000
Targa Resources Partners LP 4.250%, 11/15/2023	400,000	396,200
5.375%, 02/01/2027	290,000	297,250
5.875%, 04/15/2026	420,000	432,642
6.875%, 01/15/2029	210,000	226,538
Teine Energy, Ltd. 6.875%, 09/30/2022 (A)	510,000	507,450
The Williams Companies, Inc. 7.500%, 01/15/2031	650,000	873,684
Transocean Guardian, Ltd. 5.875%, 01/15/2024 (A)	509,350	504,307
Transocean Pontus, Ltd. 6.125%, 08/01/2025 (A)	609,550	615,646
Transocean, Inc. 6.800%, 03/15/2038	410,000	223,450
8.000%, 02/01/2027 (A)	250,000	209,375
Vesta Energy Corp. 8.125%, 07/24/2023 (A)	CAD 920,000	534,625
Viper Energy Partners LP 5.375%, 11/01/2027 (A)	\$ 260,000	264,238
WPX Energy, Inc. 4.500%, 01/15/2030	410,000	391,427
8.250%, 08/01/2023	1,040,000	1,159,600
		21,088,204

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials – 8.2%</b>		
Allied Universal Holdco LLC 6.625%, 07/15/2026 (A)	\$ 1,320,000	\$ 1,384,350
Ally Financial, Inc. 8.000%, 11/01/2031	480,000	664,483
ASP AMC Merger Sub, Inc. 8.000%, 05/15/2025 (A)	1,300,000	848,250
Barclays PLC (5.088% to 6-20-29, then 3 month LIBOR + 3.054%) 06/20/2030	1,470,000	1,669,087
Barclays PLC (8.000% to 12-15-20, then 5 Year Euro Swap Rate + 6.750%) 12/15/2020 (E)	EUR 540,000	622,214
Barclays PLC (8.000% to 6-15-24, then 5 Year CMT + 5.672%) 06/15/2024 (E)	\$ 600,000	660,000
BNP Paribas SA (7.375% to 8-19-25, then 5 Year U.S. Swap Rate + 5.150%) 08/19/2025 (A)(E)	350,000	396,813
CIT Group, Inc. 5.250%, 03/07/2025	170,000	186,150
Credit Agricole SA (8.125% to 12-23-25, then 5 Year U.S. Swap Rate + 6.185%) 12/23/2025 (A)(E)	600,000	708,933
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (A)(E)	840,000	897,750
Credit Suisse Group AG (7.500% to 7-17-23, then 5 Year U.S. Swap Rate + 4.600%) 07/17/2023 (A)(E)	210,000	226,685
DAE Funding LLC 5.750%, 11/15/2023 (A)	1,530,000	1,593,113
Donnelley Financial Solutions, Inc. 8.250%, 10/15/2024	680,000	698,496
Fidelity & Guaranty Life Holdings, Inc. 5.500%, 05/01/2025 (A)	470,000	521,700
FirstCash, Inc. 5.375%, 06/01/2024 (A)	710,000	725,975
HSBC Holdings PLC (6.375% to 3-30-25, then 5 Year ICE Swap Rate + 4.368%) 03/30/2025 (E)	200,000	211,640
HSBC Holdings PLC (6.500% to 3-23-28, then 5 Year ICE Swap Rate + 3.606%) 03/23/2028 (E)	720,000	785,700
Intesa Sanpaolo SpA 5.017%, 06/26/2024 (A)	200,000	210,577
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (A)	530,000	502,838
NatWest Markets NV 7.750%, 05/15/2023	520,000	598,725
Navient Corp. 5.000%, 03/15/2027	330,000	319,176
6.750%, 06/15/2026 (B)	270,000	284,850
Quicken Loans, Inc. 5.250%, 01/15/2028 (A)	1,540,000	1,593,438
5.750%, 05/01/2025 (A)	180,000	184,424
The Royal Bank of Scotland Group PLC (8.625% to 8-15-21, then 5 Year U.S. Swap Rate + 7.598%) 08/15/2021 (E)	670,000	708,860
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.344%) 01/31/2024 (A)(E)	810,000	866,700

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Financials (continued)</b>		
UniCredit SpA (7.296% to 4-2-29, then 5 Year ICE Swap Rate + 4.914%) 04/02/2034 (A)	\$ 690,000	\$ 801,265
		18,872,192
<b>Health care – 8.4%</b>		
Air Medical Group Holdings, Inc. 6.375%, 05/15/2023 (A)(B)	230,000	219,650
AMN Healthcare, Inc. 4.625%, 10/01/2027 (A)	200,000	202,500
Bausch Health Americas, Inc. 9.250%, 04/01/2026 (A)	1,321,000	1,475,980
Bausch Health Companies, Inc. 5.000%, 01/30/2028 (A)	690,000	680,940
5.250%, 01/30/2030 (A)	630,000	622,913
5.500%, 11/01/2025 (A)	550,000	566,269
9.000%, 12/15/2025 (A)	1,379,000	1,535,461
Centene Corp. 3.375%, 02/15/2030 (A)	250,000	250,000
4.250%, 12/15/2027 (A)	350,000	360,080
4.625%, 12/15/2029 (A)	800,000	856,000
5.375%, 06/01/2026 (A)	970,000	1,020,925
6.125%, 02/15/2024	130,000	133,991
Community Health Systems, Inc. 6.625%, 02/15/2025 (A)	940,000	958,800
8.000%, 03/15/2026 (A)	800,000	826,160
DaVita, Inc. 5.000%, 05/01/2025	310,000	314,573
HCA, Inc. 5.625%, 09/01/2028	2,500,000	2,833,450
HLF Financing Sarl LLC 7.250%, 08/15/2026 (A)	610,000	616,100
LifePoint Health, Inc. 4.375%, 02/15/2027 (A)	530,000	523,216
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (A)	710,000	749,760
Polaris Intermediate Corp. (8.500% Cash or 9.250% PIK) 8.500%, 12/01/2022 (A)(B)	620,000	527,062
Radiology Partners, Inc. 9.250%, 02/01/2028 (A)	780,000	783,900
RegionalCare Hospital Partners Holdings, Inc. 9.750%, 12/01/2026 (A)	480,000	514,800
Tenet Healthcare Corp. 6.750%, 06/15/2023	1,000,000	1,070,000
Teva Pharmaceutical Finance Netherlands III BV 2.800%, 07/21/2023	800,000	740,664
7.125%, 01/31/2025 (A)	850,000	898,875
US Renal Care, Inc. 10.625%, 07/15/2027 (A)	200,000	202,500
		19,484,569
<b>Industrials – 9.6%</b>		
Ahern Rentals, Inc. 7.375%, 05/15/2023 (A)	530,000	410,045
Allison Transmission, Inc. 5.000%, 10/01/2024 (A)	640,000	647,174
Builders FirstSource, Inc. 5.000%, 03/01/2030 (A)	230,000	230,110
BWX Technologies, Inc. 5.375%, 07/15/2026 (A)	560,000	586,211
Cleaver-Brooks, Inc. 7.875%, 03/01/2023 (A)	400,000	394,000



# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Continental Airlines 2000-1 Class B Pass Through Trust		
8.388%, 11/01/2020	\$ 143	\$ 147
Covanta Holding Corp.		
5.875%, 07/01/2025	500,000	512,500
FXI Holdings, Inc.		
7.875%, 11/01/2024 (A)	780,000	733,200
GFL Environmental, Inc.		
5.125%, 12/15/2026 (A)	160,000	165,600
5.375%, 03/01/2023 (A)	530,000	540,600
7.000%, 06/01/2026 (A)	480,000	504,600
8.500%, 05/01/2027 (A)	1,780,000	1,931,300
Global Aircraft Leasing Company, Ltd. (6.500% Cash or 7.250% PIK)		
6.500%, 09/15/2024 (A)	2,570,000	2,523,419
Harsco Corp.		
5.750%, 07/31/2027 (A)	450,000	443,250
Navios Maritime Acquisition Corp.		
8.125%, 11/15/2021 (A)	1,490,000	1,009,475
Park-Ohio Industries, Inc.		
6.625%, 04/15/2027	668,000	677,739
Prime Security Services Borrower LLC		
5.250%, 04/15/2024 (A)	40,000	41,400
5.750%, 04/15/2026 (A)	1,630,000	1,695,200
Sensata Technologies, Inc.		
4.375%, 02/15/2030 (A)	420,000	423,675
Signature Aviation US Holdings, Inc.		
5.375%, 05/01/2026 (A)	790,000	806,080
Standard Industries, Inc.		
4.750%, 01/15/2028 (A)	720,000	740,956
6.000%, 10/15/2025 (A)	240,000	250,800
The ADT Security Corp.		
4.125%, 06/15/2023	830,000	846,081
United Rentals North America, Inc.		
3.875%, 11/15/2027	180,000	181,800
4.875%, 01/15/2028	470,000	482,361
5.250%, 01/15/2030	1,960,000	2,061,920
5.500%, 05/15/2027	690,000	721,050
Waste Pro USA, Inc.		
5.500%, 02/15/2026 (A)	580,000	565,706
XPO CNW, Inc.		
6.700%, 05/01/2034	890,000	916,700
XPO Logistics, Inc.		
6.125%, 09/01/2023 (A)	1,085,000	1,107,384
		22,150,483
<b>Information technology – 3.3%</b>		
Alliance Data Systems Corp.		
4.750%, 12/15/2024 (A)	600,000	588,750
Amkor Technology, Inc.		
6.625%, 09/15/2027 (A)	780,000	842,400
CDK Global, Inc.		
5.250%, 05/15/2029 (A)	20,000	21,325
5.875%, 06/15/2026	820,000	857,966
CommScope Technologies LLC		
5.000%, 03/15/2027 (A)	250,000	226,225
6.000%, 06/15/2025 (A)	280,000	263,200
CommScope, Inc.		
8.250%, 03/01/2027 (A)	1,030,000	1,039,013
Dell International LLC		
7.125%, 06/15/2024 (A)	490,000	512,663
Fair Isaac Corp.		
4.000%, 06/15/2028 (A)	440,000	451,000
j2 Cloud Services LLC		
6.000%, 07/15/2025 (A)	760,000	792,300

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Information technology (continued)</b>		
Level 3 Financing, Inc.		
5.250%, 03/15/2026	\$ 580,000	\$ 598,850
Open Text Corp.		
3.875%, 02/15/2028 (A)	290,000	288,608
Open Text Holdings, Inc.		
4.125%, 02/15/2030 (A)	470,000	467,650
Western Digital Corp.		
4.750%, 02/15/2026	560,000	578,200
		7,528,150
<b>Materials – 7.4%</b>		
Alcoa Nederland Holding BV		
7.000%, 09/30/2026 (A)	530,000	560,475
ARD Finance SA (6.500% Cash or 7.250% PIK) 6.500%, 06/30/2027 (A)	540,000	543,402
Ardagh Packaging Finance PLC		
6.000%, 02/15/2025 (A)	800,000	834,000
BHP Billiton Finance USA, Ltd. (6.750% to 10-20-25, then 5 Year U.S. Swap Rate + 5.093%)		
10/19/2075 (A)	460,000	534,750
Cascades, Inc.		
5.125%, 01/15/2026 (A)	10,000	10,350
5.375%, 01/15/2028 (A)	610,000	628,300
First Quantum Minerals, Ltd.		
6.875%, 03/01/2026 (A)	620,000	580,506
7.250%, 04/01/2023 (A)	600,000	576,000
7.500%, 04/01/2025 (A)	1,390,000	1,323,975
Flex Acquisition Company, Inc.		
7.875%, 07/15/2026 (A)	810,000	822,150
Freeport-McMoRan, Inc.		
3.550%, 03/01/2022	337,000	339,999
4.550%, 11/14/2024	470,000	475,875
5.450%, 03/15/2043	2,880,000	2,793,600
Greif, Inc.		
6.500%, 03/01/2027 (A)	1,179,000	1,268,132
Hudbay Minerals, Inc.		
7.625%, 01/15/2025 (A)	310,000	298,632
Mercer International, Inc.		
5.500%, 01/15/2026	590,000	556,488
7.375%, 01/15/2025	890,000	898,900
Midwest Vanadium Pty, Ltd.		
11.500%, 02/15/2018 (A)(C)	1,953,148	2,441
Northwest Acquisitions ULC		
7.125%, 11/01/2022 (A)	1,140,000	866,400
Olin Corp.		
5.000%, 02/01/2030	560,000	539,728
Summit Materials LLC		
6.500%, 03/15/2027 (A)	790,000	841,350
Teck Resources, Ltd.		
5.200%, 03/01/2042	970,000	968,377
Trivium Packaging Finance BV		
5.500%, 08/15/2026 (A)	200,000	207,250
8.500%, 08/15/2027 (A)	350,000	367,955
U.S. Concrete, Inc.		
6.375%, 06/01/2024	260,000	264,576
		17,103,611
<b>Real estate – 4.1%</b>		
CoreCivic, Inc.		
4.625%, 05/01/2023	280,000	280,616
5.000%, 10/15/2022	370,000	377,585
CTR Partnership LP		
5.250%, 06/01/2025	410,000	426,400
Five Point Operating Company LP		
7.875%, 11/15/2025 (A)	1,240,000	1,245,431

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Real estate (continued)</b>		
Forestar Group, Inc.		
5.000%, 03/01/2028 (A)	\$ 700,000	\$ 687,750
8.000%, 04/15/2024 (A)	780,000	845,325
Iron Mountain, Inc.		
4.875%, 09/15/2029 (A)	1,160,000	1,149,583
MPT Operating Partnership LP		
4.625%, 08/01/2029	380,000	399,239
5.000%, 10/15/2027	720,000	751,327
The GEO Group, Inc.		
5.875%, 10/15/2024	850,000	794,750
6.000%, 04/15/2026	1,500,000	1,357,500
VICI Properties LP		
4.125%, 08/15/2030 (A)	1,080,000	1,081,350
		9,396,856
<b>Utilities – 0.4%</b>		
Talen Energy Supply LLC		
6.625%, 01/15/2028 (A)	510,000	488,172
10.500%, 01/15/2026 (A)	400,000	356,000
		844,172
<b>TOTAL CORPORATE BONDS</b>		
(Cost \$193,354,117)		\$ 189,908,227
<b>CONVERTIBLE BONDS – 0.9%</b>		
<b>Communication services – 0.5%</b>		
DISH Network Corp.		
2.375%, 03/15/2024	830,000	771,626
3.375%, 08/15/2026	220,000	212,412
Live Nation Entertainment, Inc.		
2.000%, 02/15/2025 (A)	110,000	108,233
Vonage Holdings Corp.		
1.750%, 06/01/2024 (A)	120,000	113,956
		1,206,227
<b>Energy – 0.1%</b>		
Cheniere Energy, Inc.		
4.250%, 03/15/2045	360,000	262,731
<b>Financials – 0.1%</b>		
BofA Finance LLC		
0.125%, 09/01/2022	100,000	101,875
<b>Information technology – 0.2%</b>		
RingCentral, Inc.		
0.286%, 03/01/2025 (A)(F)	60,000	59,138
Vishay Intertechnology, Inc.		
2.250%, 06/15/2025	460,000	455,124
		514,262
<b>TOTAL CONVERTIBLE BONDS</b>		
(Cost \$2,157,244)		\$ 2,085,095
<b>TERM LOANS (G) – 8.1%</b>		
<b>Communication services – 0.8%</b>		
Allen Media LLC, 2020 Term Loan B (3 month LIBOR + 5.500%) 7.231%, 02/10/2027	300,000	294,750
AMC Entertainment Holdings, Inc., 2019 Term Loan B (1 month LIBOR + 3.000%) 4.610%, 04/22/2026	558,593	539,394
iHeartCommunications, Inc., 2020 Term Loan (1 week LIBOR + 3.000%) 4.655%, 05/01/2026	445,853	436,936
Terrier Media Buyer, Inc., Term Loan B (3 month LIBOR + 4.250%) 6.148%, 12/17/2026	610,000	604,919
		1,875,999

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (G) (continued)</b>		
<b>Consumer discretionary – 1.4%</b>		
CEOC LLC, Exit Term Loan (1 month LIBOR + 2.000%) 3.603%, 10/07/2024	\$ 867,005	\$ 862,185
Diamond Sports Group LLC, Term Loan (1 month LIBOR + 3.250%) 4.880%, 08/24/2026	99,750	90,773
Michaels Stores, Inc., Term Loan 01/30/2023 TBD (H)	270,000	243,000
Mohegan Gaming & Entertainment, 2016 Term Loan B (1 month LIBOR + 4.000%) 5.603%, 10/13/2023	700,000	674,331
Panther BF Aggregator 2 LP, USD Term Loan B (1 month LIBOR + 3.500%) 5.103%, 04/30/2026	578,550	563,363
Spencer Spirit IH LLC, Term Loan B (1 month LIBOR + 6.000%) 7.629%, 06/19/2026	793,835	792,843
		3,226,495
<b>Energy – 0.6%</b>		
Chesapeake Energy Corp., 2019 Last Out Term Loan (3 month LIBOR + 8.000%) 9.928%, 06/24/2024	630,000	570,673
Eastern Power LLC, Term Loan B (1 month LIBOR + 3.750%) 5.353%, 10/02/2025	510,000	502,350
Permian Production Partners LLC, Term Loan 0.000%, 05/20/2024 (C)	807,500	290,700
		1,363,723
<b>Financials – 0.9%</b>		
Acrisure LLC, 2020 Term Loan B (3 month LIBOR + 3.500%) 5.207%, 02/15/2027	540,000	530,998
Allied Universal Holdco LLC, 2019 Term Loan B (1 month LIBOR + 4.250%) 5.853%, 07/10/2026	980,814	969,368
Amerilife Holdings LLC, 2020 Term Loan 02/06/2027 TBD (H)	159,545	157,950
Jane Street Group LLC, 2020 Term Loan (1 and 3 month LIBOR + 3.000%) 4.613%, 01/31/2025	417,884	416,580
		2,074,896
<b>Health care – 2.4%</b>		
Eyecare Partners LLC, 2020 2nd Lien Term Loan 02/04/2028 TBD (H)(I)	430,000	425,700
Eyecare Partners LLC, 2020 Term Loan (1 month LIBOR + 3.750%) 5.418%, 02/05/2027	470,270	462,041
Immunor, Inc., Extended Term Loan B (3 month LIBOR + 5.000%) 6.945%, 06/15/2021	825,384	813,003
McAfee LLC, 2018 USD Term Loan B (1 month LIBOR + 3.750%) 5.353%, 09/30/2024	825,819	816,272
Option Care Health, Inc., Term Loan B (1 month LIBOR + 4.500%) 6.103%, 08/06/2026	770,000	766,789
RegionalCare Hospital Partners Holdings, Inc., 2018 Term Loan B (1 month LIBOR + 3.750%) 5.353%, 11/17/2025	482,528	477,703



# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (G) (continued)</b>		
<b>Health care (continued)</b>		
US Renal Care, Inc., 2019 Term Loan B (1 month LIBOR + 5.000%) 6.625%, 06/26/2026	\$ 1,376,550	\$ 1,361,064
VVC Holding Corp., 2019 Term Loan B (1 month LIBOR + 4.500%) 6.158%, 02/11/2026	486,325	480,246
		5,602,818
<b>Industrials – 1.3%</b>		
Amentum Government Services Holdings LLC, Term Loan B (3 month LIBOR + 4.000%) 5.762%, 02/01/2027	360,000	358,650
Cornerstone Building Brands, Inc., 2018 Term Loan (1 month LIBOR + 3.750%) 5.408%, 04/12/2025	1,103,200	1,070,104
Garda World Security Corp., 2019 1st Lien Term Loan B (3 month LIBOR + 4.750%) 6.390%, 10/30/2026	772,239	767,643
Rockwood Service Corp., 2020 Term Loan B 01/23/2027 TBD (H)	50,000	50,500
Temple Generation I LLC, 2nd Lien Term Loan (1 month LIBOR + 8.000%) 9.603%, 02/07/2023	651,917	651,917
		2,898,814
<b>Information technology – 0.5%</b>		
Castle US Holding Corp., USD Term Loan B 01/29/2027 TBD (H)	240,000	228,000
Global Tel*Link Corp., 2018 1st Lien Term Loan (1 month LIBOR + 4.250%) 5.853%, 11/29/2025	815,879	775,665
		1,003,665
<b>Real estate – 0.2%</b>		
CoreCivic, Inc., 2019 Term Loan, 2019 Term Loan (1 month LIBOR + 4.500%) 6.110%, 12/12/2024	520,000	513,500
<b>TOTAL TERM LOANS (Cost \$19,396,746)</b>		<b>\$ 18,559,910</b>
<b>ASSET BACKED SECURITIES – 4.4%</b>		
BlueMountain CLO, Ltd. Series 2012-2A, Class ER2 (3 month LIBOR + 5.750%) 7.445%, 11/20/2028 (A)(D)	500,000	477,339
Series 2016-2A, Class DR (3 month LIBOR + 7.790%) 9.485%, 08/20/2032 (A)(D)	375,000	375,087
Bowman Park CLO, Ltd. Series 2014-1A, Class D1R (3 month LIBOR + 3.350%) 5.033%, 11/23/2025 (A)(D)	500,000	500,783
Cook Park CLO, Ltd. Series 2018-1A, Class E (3 month LIBOR + 5.400%) 7.236%, 04/17/2030 (A)(D)	250,000	230,491
Cumberland Park CLO, Ltd. Series 2015-2A, Class ER (3 month LIBOR + 5.650%) 7.469%, 07/20/2028 (A)(D)	250,000	243,708
Greenwood Park CLO, Ltd. Series 2018-1A, Class D (3 month LIBOR + 2.500%) 4.331%, 04/15/2031 (A)(D)	530,000	512,022

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>ASSET BACKED SECURITIES (continued)</b>		
Greenwood Park CLO, Ltd. (continued) Series 2018-1A, Class E (3 month LIBOR + 4.950%) 6.781%, 04/15/2031 (A)(D)	\$ 750,000	\$ 670,330
Greywolf CLO, Ltd. Series 2019-1A, Class C (3 month LIBOR + 3.950%) 5.786%, 04/17/2030 (A)(D)	430,000	430,205
Halsey Point CLO, Ltd. Series 2019-1A, Class E (3 month LIBOR + 7.700%) 9.607%, 01/20/2033 (A)(D)	600,000	600,113
Jackson Mill CLO, Ltd. Series 2015-1A, Class DR (3 month LIBOR + 2.800%) 4.631%, 04/15/2027 (A)(D)	250,000	248,878
LCM, Ltd. Partnership Series 2022-A, Class DR (3 month LIBOR + 5.500%) 7.319%, 10/20/2028 (A)(D)	500,000	463,747
Madison Park Funding, Ltd. Series 2014-13A, Class DR2 (3 month LIBOR + 2.850%) 4.669%, 04/19/2030 (A)(D)	1,000,000	979,463
Oaktree CLO, Ltd. Series 2019-1A, Class D (3 month LIBOR + 3.800%) 5.602%, 04/22/2030 (A)(D)	250,000	237,016
Octagon Investment Partners XWIII, Ltd. Series 2015-1A, Class ER (3 month LIBOR + 5.750%) 7.581%, 07/15/2027 (A)(D)	400,000	379,620
OZLM, Ltd. Series 2014-7RA, Class DR (3 month LIBOR + 6.110%) 7.946%, 07/17/2029 (A)(D)	500,000	405,619
Series 2015-11A, Class CR (3 month LIBOR + 3.600%) 5.370%, 10/30/2030 (A)(D)	1,000,000	976,125
Shackleton CLO, Ltd. Series 2013-3A, Class DR (3 month LIBOR + 3.020%) 4.851%, 07/15/2030 (A)(D)	500,000	469,998
Sound Point CLO, Ltd. Series 2013-2RA, Class E (3 month LIBOR + 6.000%) 7.831%, 04/15/2029 (A)(D)	850,000	709,356
TCI-Symphony CLO, Ltd. Series 2016-1A, Class DR (3 month LIBOR + 3.000%) 4.848%, 10/13/2029 (A)(D)	540,000	535,346
Thayer Park CLO, Ltd. Series 2017-1A, Class C (3 month LIBOR + 3.700%) 5.519%, 04/20/2029 (A)(D)	250,000	250,089
Voya CLO, Ltd. Series 2017-1A, Class C (3 month LIBOR + 3.330%) 5.166%, 04/17/2030 (A)(D)	500,000	491,084
<b>TOTAL ASSET BACKED SECURITIES</b> (Cost \$10,526,061)		<b>\$ 10,186,419</b>
<b>COMMON STOCKS – 0.8%</b>		
<b>Communication services – 0.0%</b>		
New Cotai, Inc., Class B (I)(J)(K)	11	0

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Fund (continued)

	Shares or Principal Amount	Value
<b>COMMON STOCKS (continued)</b>		
<b>Energy – 0.8%</b>		
Berry Corp.	211,334	\$ 1,346,198
Hercules Offshore, Inc. (I)(K)	120,022	116,685
KCAD Holdings I, Ltd. (I)(J)(K)	752,218,031	752
Montage Resources Corp. (B)(K)	66,492	232,057
MWO Holdings LLC (I)(J)(K)	1,134	65,851
		<u>1,761,543</u>
<b>TOTAL COMMON STOCKS (Cost \$22,029,828)</b>		<b>\$ 1,761,543</b>
<b>PREFERRED SECURITIES – 0.7%</b>		
<b>Financials – 0.6%</b>		
B. Riley Financial, Inc., 6.875%	16,425	406,519
GMAC Capital Trust I (3 month LIBOR + 5.785%), 7.477% (D)	43,100	1,099,050
		<u>1,505,569</u>
<b>Utilities – 0.1%</b>		
NextEra Energy, Inc., 5.279%	3,850	175,028
<b>TOTAL PREFERRED SECURITIES (Cost \$1,718,887)</b>		<b>\$ 1,680,597</b>
<b>ESCROW SHARES – 0.0%</b>		
<b>Bossier Casino Venture</b>		
Holdco, Inc. (I)(K)	163,507	42,512
<b>TOTAL ESCROW SHARES (Cost \$0)</b>		<b>\$ 42,512</b>
<b>ESCROW CERTIFICATES – 0.0%</b>		
<b>Magellan Health, Inc.</b>		
9.750%, 05/15/2020 (I)(K)	\$ 4,380,000	1,134
<b>TOTAL ESCROW CERTIFICATES (Cost \$0)</b>		<b>\$ 1,134</b>
<b>PURCHASED OPTIONS – 0.0%</b>		
<b>Calls – 0.0%</b>		
Over the Counter Option on iShares		
iBoxx High Yield Corporate Bond		
ETF (Expiration Date: 3-5-20; Strike		
Price: \$88.50; Counterparty: Citigroup		
Global Markets, Inc.) (K)(L)	76,553	13,122
<b>TOTAL PURCHASED OPTIONS (Cost \$33,683)</b>		<b>\$ 13,122</b>
<b>SHORT-TERM INVESTMENTS – 4.7%</b>		
<b>Short-term funds – 4.7%</b>		
John Hancock Collateral Trust,		
1.6968% (M)(N)	626,132	6,266,896
State Street Institutional Treasury Plus		
Money Market Fund, Premier Class,		
1.5207% (M)	4,587,660	4,587,660
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$10,852,943)</b>		<b>\$ 10,854,556</b>
<b>Total Investments (High Yield Fund)</b>		<b>\$ 237,013,923</b>
<b>(Cost \$263,439,204) – 102.8%</b>		<b>(6,461,808)</b>
<b>Other assets and liabilities, net – (2.8%)</b>		<b>\$ 230,552,115</b>
<b>TOTAL NET ASSETS – 100.0%</b>		<b>\$ 230,552,115</b>

## High Yield Fund (continued)

### Currency Abbreviations

BRL	Brazilian Real
CAD	Canadian Dollar
EUR	Euro
GBP	Pound Sterling
IDR	Indonesian Rupiah

### Security Abbreviations and Legend

CMT	Constant Maturity Treasury
ICE	Intercontinental Exchange
LIBOR	London Interbank Offered Rate
PIK	Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
(A)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$132,606,144 or 57.5% of the fund's net assets as of 2-29-20.
(B)	All or a portion of this security is on loan as of 2-29-20.
(C)	Non-income producing - Issuer is in default.
(D)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(E)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(F)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
(G)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(H)	This position represents an unsettled loan commitment at period end. Certain details associated with this purchase are not known prior to the settlement date, including coupon rate, which is disclosed as TBD (To Be Determined).
(I)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(J)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(K)	Non-income producing security.
(L)	For this type of option, notional amounts are equivalent to number of contracts.
(M)	The rate shown is the annualized seven-day yield as of 2-29-20.
(N)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

## DERIVATIVES

### FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis <sup>^</sup>	Notional value <sup>^</sup>	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	177	Long	Jun 2020	\$21,351,457	\$21,726,750	\$375,293
10-Year U.S. Treasury Note Futures	61	Short	Jun 2020	(7,991,834)	(8,219,750)	(227,916)
U.S. Treasury Long Bond Futures	16	Short	Jun 2020	(2,637,622)	(2,724,000)	(86,378)
						<b>\$60,999</b>

<sup>^</sup> Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## High Yield Fund (continued) FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy		Contract to sell		Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
GBP	587,667	USD	772,009	JPM	4/17/2020	—	\$(17,629)
MXN	3,526,523	USD	185,328	JPM	4/17/2020	—	(7,424)
USD	676,407	CAD	880,827	BNP	4/17/2020	\$20,169	—
USD	807,036	EUR	722,900	BNP	4/17/2020	6,824	—
USD	164,302	EUR	146,843	JPM	4/17/2020	1,754	—
						<b>\$28,747</b>	<b>\$(25,053)</b>

## WRITTEN OPTIONS

### Options on securities

Counterparty (OTC)/ Exchange-traded	Name of issuer	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
<b>Puts</b>							
CITI	iShares iBoxx High Yield Corporate Bond ETF	USD 86.00	Mar 2020	76,553	76,553	\$19,904	\$(118,821)
						<b>\$19,904</b>	<b>\$(118,821)</b>

## SWAPS

### Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	Kraft Heinz Foods Company	744,000	USD	\$744,000	1.000%	Quarterly	Dec 2020	\$3,352	\$1,295	\$4,647
				<b>\$744,000</b>				<b>\$3,352</b>	<b>\$1,295</b>	<b>\$4,647</b>

### Derivatives Currency Abbreviations

CAD	Canadian Dollar
EUR	Euro
GBP	Pound Sterling
MXN	Mexican Peso
USD	U.S. Dollar

### Derivatives Abbreviations

BNP	BNP Paribas
CITI	Citibank, N.A.
JPM	JPMorgan Chase Bank, N.A.
OTC	Over-the-counter

See Notes to financial statements regarding investment transactions and other derivatives information.

## Opportunistic Fixed Income Fund

	Shares or Principal Amount	Value
<b>U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 96.6%</b>		
<b>U.S. Government - 96.6%</b>		
U.S. Treasury Bonds		
2.375%, 11/15/2049	\$ 7,980,000	\$ 9,315,091
2.750%, 11/15/2042	400,000	485,984
3.000%, 05/15/2045	300,000	382,090
U.S. Treasury Notes		
1.375%, 01/31/2022 to 01/31/2025	19,810,000	20,139,184
1.750%, 11/15/2029	9,040,000	9,544,969
2.000%, 08/15/2025 to 11/15/2026	500,000	528,090
2.625%, 06/15/2021	52,000	53,054
2.875%, 04/30/2025	1,300,000	1,426,293
		<b>41,874,755</b>
<b>TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$40,561,739)</b>		<b>\$ 41,874,755</b>

## Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
<b>FOREIGN GOVERNMENT OBLIGATIONS - 3.0%</b>		
<b>Canada - 1.0%</b>		
Government of Canada		
4.250%, 12/01/2026	CAD 434,862	\$ 421,041
<b>Japan - 2.0%</b>		
Government of Japan, CPI Linked Bond		
0.100%, 03/10/2029	JPY 90,710,100	861,607
<b>TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$1,258,628)</b>		<b>\$ 1,282,648</b>

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
<b>SHORT-TERM INVESTMENTS - 1.0%</b>		
<b>Repurchase agreement - 1.0%</b>		
Repurchase Agreement with State Street Corp. dated 2-28-20 at 0.550% to be repurchased at \$421,019 on 3-2-20, collateralized by \$400,000		
U.S. Treasury Inflation Indexed Notes, 0.125% due 4-15-21 (valued at \$434,417)	\$ 421,000	\$ 421,000
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$421,000)</b>		<b>\$ 421,000</b>
<b>Total Investments (Opportunistic Fixed Income Fund) (Cost \$42,241,367) - 100.6%</b>		<b>\$ 43,578,403</b>
<b>Other assets and liabilities, net - (0.6%)</b>		<b>(251,140)</b>
<b>TOTAL NET ASSETS - 100.0%</b>		<b>\$ 43,327,263</b>

### Currency Abbreviations

CAD Canadian Dollar

JPY Japanese Yen

### Security Abbreviations and Legend

CPI Consumer Price Index

## U.S. High Yield Bond Fund

	Shares or Principal Amount	Value
<b>CORPORATE BONDS – 89.6%</b>		
<b>Communication services – 15.8%</b>		
Block Communications, Inc. 4.875%, 03/01/2028 (A)	\$ 125,000	\$ 125,440
CCO Holdings LLC		
4.000%, 03/01/2023 (A)	50,000	50,500
4.500%, 08/15/2030 (A)	250,000	252,813
5.000%, 02/01/2028 (A)	125,000	130,000
5.125%, 02/15/2023	20,000	20,150
5.125%, 05/01/2023 to 05/01/2027 (A)	1,250,000	1,271,625
5.250%, 09/30/2022	310,000	313,395
5.375%, 05/01/2025 (A)	2,350,000	2,414,860
5.750%, 02/15/2026 (A)	2,700,000	2,807,190
5.875%, 04/01/2024 (A)	175,000	179,760
CSC Holdings LLC		
5.375%, 07/15/2023 to 02/01/2028 (A)	1,105,000	1,137,936
5.500%, 05/15/2026 (A)	1,125,000	1,164,774
7.500%, 04/01/2028 (A)	550,000	620,125
7.750%, 07/15/2025 (A)	1,125,000	1,184,063
Front Range BidCo, Inc.		
4.000%, 03/01/2027 (A)	200,000	194,250
Gray Television, Inc.		
5.125%, 10/15/2024 (A)(B)	975,000	999,375
5.875%, 07/15/2026 (A)(B)	2,000,000	2,056,900
7.000%, 05/15/2027 (A)	200,000	216,950
Intelsat Connect Finance SA		
9.500%, 02/15/2023 (A)(B)	275,000	167,750
Intelsat Jackson Holdings SA		
5.500%, 08/01/2023 (B)	3,050,000	2,623,000
8.500%, 10/15/2024 (A)	1,100,000	962,500
Intelsat Luxembourg SA		
8.125%, 06/01/2023 (B)	650,000	273,000
Lamar Media Corp.		
3.750%, 02/15/2028 (A)	700,000	701,960
4.000%, 02/15/2030 (A)	700,000	700,000
5.750%, 02/01/2026	50,000	52,003
Level 3 Financing, Inc.		
5.125%, 05/01/2023	665,000	666,663
5.375%, 08/15/2022 to 01/15/2024	845,000	845,836
5.625%, 02/01/2023	310,000	311,163

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Communication services (continued)</b>		
Match Group, Inc.		
4.125%, 08/01/2030 (A)	\$ 125,000	\$ 122,463
Nexstar Broadcasting, Inc.		
5.625%, 07/15/2027 (A)	2,095,000	2,168,430
Nielsen Finance LLC		
5.000%, 04/15/2022 (A)	2,825,000	2,810,875
Outfront Media Capital LLC		
4.625%, 03/15/2030 (A)	175,000	175,488
5.000%, 08/15/2027 (A)	25,000	25,751
5.625%, 02/15/2024	375,000	382,031
Salem Media Group, Inc.		
6.750%, 06/01/2024 (A)(B)	2,100,000	2,016,000
Scripps Escrow, Inc.		
5.875%, 07/15/2027 (A)	125,000	129,688
Sprint Capital Corp.		
6.875%, 11/15/2028	140,000	166,732
8.750%, 03/15/2032	650,000	903,500
The EW Scripps Company		
5.125%, 05/15/2025 (A)	2,050,000	2,055,125
The Nielsen Company Luxembourg Sarl		
5.000%, 02/01/2025 (A)(B)	400,000	395,000
T-Mobile USA, Inc.		
4.000%, 04/15/2022 (B)	375,000	384,844
4.500%, 02/01/2026	75,000	76,009
4.750%, 02/01/2028	325,000	338,406
5.125%, 04/15/2025	250,000	256,875
5.375%, 04/15/2027	875,000	925,313
6.375%, 03/01/2025	1,550,000	1,593,602
Zayo Group LLC		
6.375%, 05/15/2025	1,418,000	1,449,905
		38,820,018
<b>Consumer discretionary – 13.1%</b>		
<b>Asbury Automotive Group, Inc.</b>		
4.500%, 03/01/2028 (A)	675,000	676,350
4.750%, 03/01/2030 (A)	650,000	661,375
6.000%, 12/15/2024	2,445,000	2,518,350
Carriage Services, Inc.		
6.625%, 06/01/2026 (A)	1,400,000	1,442,546
CCM Merger, Inc.		
6.000%, 03/15/2022 (A)	3,050,000	3,080,500
Connect Finco SARL		
6.750%, 10/01/2026 (A)	900,000	915,750
Cooper Tire & Rubber Company		
7.625%, 03/15/2027	2,410,000	2,807,650
Diamond Sports Group LLC		
5.375%, 08/15/2026 (A)	125,000	115,253
6.625%, 08/15/2027 (A)(B)	125,000	101,250
ESH Hospitality, Inc.		
4.625%, 10/01/2027 (A)	175,000	170,625
5.250%, 05/01/2025 (A)	1,800,000	1,810,494
GLP Capital LP		
4.375%, 04/15/2021	75,000	76,649
5.375%, 11/01/2023	625,000	681,844
Group 1 Automotive, Inc.		
5.000%, 06/01/2022	925,000	921,544
5.250%, 12/15/2023 (A)	500,000	504,585
Hilton Domestic Operating Company, Inc.		
4.875%, 01/15/2030	125,000	129,531
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
5.000%, 06/01/2024 (A)	650,000	655,122
5.250%, 06/01/2026 (A)	650,000	664,632

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Consumer discretionary (continued)</b>		
Levi Strauss & Company 5.000%, 05/01/2025	\$ 175,000	\$ 179,988
Lithia Motors, Inc. 4.625%, 12/15/2027 (A) 5.250%, 08/01/2025 (A)	200,000 1,025,000	204,736 1,068,563
Panther BF Aggregator 2 LP 6.250%, 05/15/2026 (A)	100,000	102,720
Penske Automotive Group, Inc. 3.750%, 08/15/2020 5.375%, 12/01/2024 5.750%, 10/01/2022	415,000 1,125,000 2,000,000	416,038 1,151,719 2,020,000
Service Corp. International 4.625%, 12/15/2027 5.125%, 06/01/2029 7.500%, 04/01/2027 8.000%, 11/15/2021	425,000 1,175,000 450,000 2,145,000	445,188 1,270,469 549,000 2,295,150
Sonic Automotive, Inc. 6.125%, 03/15/2027	350,000	365,750
Telesat Canada 6.500%, 10/15/2027 (A)	350,000	362,250
The William Carter Company 5.625%, 03/15/2027 (A)	1,000,000	1,063,925
Wolverine World Wide, Inc. 5.000%, 09/01/2026 (A)	1,200,000	1,239,504
Wyndham Hotels & Resorts, Inc. 5.375%, 04/15/2026 (A)	1,270,000	1,316,488
Yum! Brands, Inc. 4.750%, 01/15/2030 (A)	150,000	155,607
		32,141,145
<b>Consumer staples – 1.5%</b>		
Albertsons Companies, Inc. 4.625%, 01/15/2027 (A) 4.875%, 02/15/2030 (A)	150,000 150,000	147,750 150,000
Central Garden & Pet Company 5.125%, 02/01/2028	150,000	156,375
Cott Holdings, Inc. 5.500%, 04/01/2025 (A)	375,000	383,749
Darling Ingredients, Inc. 5.250%, 04/15/2027 (A)	500,000	525,000
Lamb Weston Holdings, Inc. 4.625%, 11/01/2024 (A)	25,000	26,021
Pilgrim's Pride Corp. 5.750%, 03/15/2025 (A) 5.875%, 09/30/2027 (A)	940,000 125,000	958,518 129,538
Prestige Brands, Inc. 5.125%, 01/15/2028 (A) 6.375%, 03/01/2024 (A)(B)	125,000 725,000	130,625 747,352
Spectrum Brands, Inc. 5.750%, 07/15/2025	275,000	281,875
		3,636,803
<b>Energy – 15.3%</b>		
Antero Midstream Partners LP 5.750%, 01/15/2028 (A)	1,875,000	1,287,094
Antero Resources Corp. 5.375%, 11/01/2021	350,000	291,813
Archrock Partners LP 6.000%, 10/01/2022 6.250%, 04/01/2028 (A) 6.875%, 04/01/2027 (A)	300,000 200,000 450,000	300,270 192,520 457,052
Baytex Energy Corp. 5.625%, 06/01/2024 (A) 8.750%, 04/01/2027 (A)	1,400,000 2,100,000	1,260,000 1,995,000
Buckeye Partners LP 5.850%, 11/15/2043	1,075,000	989,000

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Callon Petroleum Company 6.250%, 04/15/2023 8.250%, 07/15/2025	\$ 225,000 850,000	\$ 190,130 756,500
Cheniere Corpus Christi Holdings LLC 5.125%, 06/30/2027	75,000	81,460
Cheniere Energy Partners LP 4.500%, 10/01/2029 (A) 5.250%, 10/01/2025 5.625%, 10/01/2026	350,000 3,175,000 400,000	334,705 3,183,001 402,000
Continental Resources, Inc. 3.800%, 06/01/2024	325,000	330,407
Denbury Resources, Inc. 7.750%, 02/15/2024 (A) 9.000%, 05/15/2021 (A) 9.250%, 03/31/2022 (A)	743,000 1,300,000 451,000	416,452 1,137,500 360,800
Diamond Offshore Drilling, Inc. 4.875%, 11/01/2043	1,086,000	437,799
EnLink Midstream LLC 5.375%, 06/01/2029 (B)	1,725,000	1,488,468
EnLink Midstream Partners LP 4.150%, 06/01/2025 4.400%, 04/01/2024 4.850%, 07/15/2026 5.050%, 04/01/2045 5.450%, 06/01/2047	75,000 700,000 725,000 800,000 125,000	63,390 638,911 620,781 581,640 90,588
Enviva Partners LP 6.500%, 01/15/2026 (A)	825,000	858,017
Era Group, Inc. 7.750%, 12/15/2022 (B)	1,600,000	1,600,000
Gulfport Energy Corp. 6.000%, 10/15/2024	2,000,000	665,000
Hilcorp Energy I LP 5.000%, 12/01/2024 (A) 5.750%, 10/01/2025 (A) 6.250%, 11/01/2028 (A)	1,250,000 1,325,000 225,000	987,500 1,060,000 163,692
Indigo Natural Resources LLC 6.875%, 02/15/2026 (A)	525,000	447,563
MPLX LP 5.250%, 01/15/2025 (A) 6.375%, 05/01/2024 (A)	425,000 275,000	447,833 285,907
Murphy Oil Corp. 5.750%, 08/15/2025 5.875%, 12/01/2027 6.875%, 08/15/2024	125,000 125,000 585,000	121,346 122,010 583,479
Murphy Oil USA, Inc. 4.750%, 09/15/2029	75,000	78,660
NGPL PipeCo LLC 4.375%, 08/15/2022 (A) 7.768%, 12/15/2037 (A)	225,000 275,000	235,035 355,932
Oceaneering International, Inc. 6.000%, 02/01/2028	1,350,000	1,232,820
Rockies Express Pipeline LLC 3.600%, 05/15/2025 (A) 4.800%, 05/15/2030 (A)(B) 5.625%, 04/15/2020 (A)(B) 6.875%, 04/15/2040 (A) 7.500%, 07/15/2038 (A)	725,000 725,000 2,250,000 957,000 201,000	722,870 702,897 2,256,908 980,679 223,287
Southwestern Energy Company 6.200%, 01/23/2025 7.500%, 04/01/2026 (B) 7.750%, 10/01/2027 (B)	15,000 250,000 850,000	11,100 190,625 643,875
Summit Midstream Holdings LLC 5.750%, 04/15/2025	125,000	92,500
Tallgrass Energy Partners LP 5.500%, 09/15/2024 (A)	2,500,000	2,319,000



# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Energy (continued)</b>		
Ultra Resources, Inc. 7.125%, 04/15/2025 (A)(C)	\$ 2,675,000	\$ 173,875
USA Compression Partners LP 6.875%, 04/01/2026 to 09/01/2027	900,000	870,960
Valaris PLC 4.875%, 06/01/2022	725,000	471,250
5.750%, 10/01/2044	2,575,000	786,997
		37,578,898
<b>Financials – 4.0%</b>		
Ally Financial, Inc. 8.000%, 03/15/2020	200,000	200,380
AmWINS Group, Inc. 7.750%, 07/01/2026 (A)	1,175,000	1,219,803
CIT Group, Inc. 4.125%, 03/09/2021	40,000	40,400
6.125%, 03/09/2028	50,000	60,000
FirstCash, Inc. 5.375%, 06/01/2024 (A)	1,175,000	1,201,438
HUB International, Ltd. 7.000%, 05/01/2026 (A)	950,000	959,453
LPL Holdings, Inc. 5.750%, 09/15/2025 (A)	2,425,000	2,515,938
NFP Corp. 6.875%, 07/15/2025 (A)	275,000	275,006
Springleaf Finance Corp. 5.375%, 11/15/2029	625,000	638,313
6.125%, 03/15/2024	400,000	421,536
6.625%, 01/15/2028	400,000	439,000
7.125%, 03/15/2026	600,000	666,000
8.250%, 10/01/2023	225,000	256,500
USI, Inc. 6.875%, 05/01/2025 (A)	875,000	870,958
		9,764,725
<b>Health care – 7.9%</b>		
Bausch Health Americas, Inc. 8.500%, 01/31/2027 (A)	300,000	329,184
Bausch Health Companies, Inc. 5.000%, 01/30/2028 (A)	250,000	246,718
5.250%, 01/30/2030 (A)	250,000	247,188
5.500%, 03/01/2023 to 11/01/2025 (A)	1,034,000	1,041,957
5.750%, 08/15/2027 (A)	50,000	53,188
5.875%, 05/15/2023 (A)	138,000	138,518
6.125%, 04/15/2025 (A)	1,265,000	1,290,300
6.500%, 03/15/2022 (A)	175,000	177,188
7.000%, 03/15/2024 to 01/15/2028 (A)	425,000	441,624
7.250%, 05/30/2029 (A)	50,000	55,000
Centene Corp. 5.375%, 08/15/2026 (A)	100,000	105,000
6.125%, 02/15/2024	200,000	206,140
Change Healthcare Holdings LLC 5.750%, 03/01/2025 (A)	2,150,000	2,174,188
Charles River Laboratories International, Inc. 4.250%, 05/01/2028 (A)	75,000	75,473
5.500%, 04/01/2026 (A)	250,000	262,856
Community Health Systems, Inc. 6.625%, 02/15/2025 (A)(B)	800,000	816,000
DaVita, Inc. 5.000%, 05/01/2025	675,000	684,956
Encompass Health Corp. 4.500%, 02/01/2028	125,000	126,413
4.750%, 02/01/2030	150,000	154,845
5.125%, 03/15/2023	245,000	245,613
5.750%, 11/01/2024 to 09/15/2025	65,000	66,841

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Health care (continued)</b>		
Hill-Rom Holdings, Inc. 4.375%, 09/15/2027 (A)	\$ 650,000	\$ 672,815
5.000%, 02/15/2025 (A)	50,000	51,860
Hologic, Inc. 4.375%, 10/15/2025 (A)	1,300,000	1,323,985
4.625%, 02/01/2028 (A)	150,000	155,582
IQVIA, Inc. 5.000%, 10/15/2026 to 05/15/2027 (A)	700,000	723,196
MEDNAX, Inc. 5.250%, 12/01/2023 (A)(B)	175,000	171,281
6.250%, 01/15/2027 (A)	325,000	311,984
MPH Acquisition Holdings LLC 7.125%, 06/01/2024 (A)	2,225,000	2,069,740
Ortho-Clinical Diagnostics, Inc. 7.250%, 02/01/2028 (A)	150,000	147,375
Polaris Intermediate Corp. (8.500% Cash or 9.250% PIK) 8.500%, 12/01/2022 (A)	400,000	340,040
Select Medical Corp. 6.250%, 08/15/2026 (A)	850,000	906,313
Surgery Center Holdings, Inc. 6.750%, 07/01/2025 (A)(B)	325,000	319,085
Tenet Healthcare Corp. 4.625%, 07/15/2024	775,000	775,016
4.875%, 01/01/2026 (A)	400,000	407,500
5.125%, 11/01/2027 (A)	100,000	103,875
Teva Pharmaceutical Finance Netherlands III BV 4.100%, 10/01/2046	500,000	388,750
6.750%, 03/01/2028 (B)	1,500,000	1,591,875
Vizient, Inc. 6.250%, 05/15/2027 (A)	125,000	133,438
		19,532,900
<b>Industrials – 11.0%</b>		
ACCO Brands Corp. 5.250%, 12/15/2024 (A)	25,000	25,698
Advanced Disposal Services, Inc. 5.625%, 11/15/2024 (A)	1,925,000	2,007,486
Allison Transmission, Inc. 4.750%, 10/01/2027 (A)	750,000	768,750
5.000%, 10/01/2024 (A)	2,625,000	2,654,426
5.875%, 06/01/2029 (A)	350,000	379,313
Cargo Aircraft Management, Inc. 4.750%, 02/01/2028 (A)	400,000	396,500
Covanta Holding Corp. 5.875%, 03/01/2024 to 07/01/2025	1,250,000	1,270,938
6.000%, 01/01/2027	475,000	489,250
Fortress Transportation & Infrastructure Investors LLC 6.500%, 10/01/2025 (A)	1,650,000	1,728,375
Harsco Corp. 5.750%, 07/31/2027 (A)	50,000	49,250
IAA, Inc. 5.500%, 06/15/2027 (A)	2,300,000	2,435,125
KAR Auction Services, Inc. 5.125%, 06/01/2025 (A)(B)	3,425,000	3,518,845
Moog, Inc. 4.250%, 12/15/2027 (A)	150,000	152,625
RBS Global, Inc. 4.875%, 12/15/2025 (A)	1,825,000	1,843,487
Ritchie Bros Auctioneers, Inc. 5.375%, 01/15/2025 (A)	2,650,000	2,737,265
Sensata Technologies BV 5.625%, 11/01/2024 (A)	1,600,000	1,724,400

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Industrials (continued)</b>		
Sensata Technologies UK Financing Company PLC		
6.250%, 02/15/2026 (A)	\$ 250,000	\$ 261,450
Signature Aviation US Holdings, Inc.		
4.000%, 03/01/2028 (A)	525,000	518,385
5.375%, 05/01/2026 (A)	1,375,000	1,402,988
Stevens Holding Company, Inc.		
6.125%, 10/01/2026 (A)	1,250,000	1,355,119
TriMas Corp.		
4.875%, 10/15/2025 (A)	1,325,000	1,348,188
		27,067,863
<b>Information technology – 5.5%</b>		
Alliance Data Systems Corp.		
4.750%, 12/15/2024 (A)	325,000	318,906
Cardtronics, Inc.		
5.500%, 05/01/2025 (A)	2,350,000	2,408,750
CDK Global, Inc.		
4.875%, 06/01/2027	150,000	154,500
5.000%, 10/15/2024 (B)	600,000	650,520
5.250%, 05/15/2029 (A)	100,000	106,625
5.875%, 06/15/2026	125,000	130,788
CommScope Technologies LLC		
6.000%, 06/15/2025 (A)	525,000	493,500
CommScope, Inc.		
8.250%, 03/01/2027 (A)	450,000	453,938
Dell International LLC		
5.875%, 06/15/2021 (A)	1,207,000	1,214,182
7.125%, 06/15/2024 (A)(B)	2,275,000	2,380,219
Fair Isaac Corp.		
4.000%, 06/15/2028 (A)	125,000	128,125
5.250%, 05/15/2026 (A)	725,000	802,938
Gartner, Inc.		
5.125%, 04/01/2025 (A)	615,000	635,049
Infor US, Inc.		
6.500%, 05/15/2022	355,000	356,061
NCR Corp.		
5.000%, 07/15/2022	1,510,000	1,517,550
6.375%, 12/15/2023	750,000	764,528
NortonLifeLock, Inc.		
5.000%, 04/15/2025 (A)	125,000	126,895
Qorvo, Inc.		
4.375%, 10/15/2029 (A)	200,000	208,000
SS&C Technologies, Inc.		
5.500%, 09/30/2027 (A)	700,000	736,750
		13,587,824
<b>Materials – 5.3%</b>		
Ardagh Packaging Finance PLC		
4.125%, 08/15/2026 (A)	600,000	597,751
4.250%, 09/15/2022 (A)	200,000	199,304
Ball Corp.		
4.875%, 03/15/2026	250,000	275,000
5.000%, 03/15/2022	175,000	182,865
5.250%, 07/01/2025	75,000	82,937
Berry Global, Inc.		
4.875%, 07/15/2026 (A)	350,000	356,020
5.125%, 07/15/2023	250,000	250,123
5.625%, 07/15/2027 (A)(B)	100,000	103,995
6.000%, 10/15/2022	320,000	325,104
Clearwater Paper Corp.		
5.375%, 02/01/2025 (A)(B)	275,000	284,625
Crown Americas LLC		
4.250%, 09/30/2026	775,000	797,711
4.750%, 02/01/2026	800,000	825,000
Flex Acquisition Company, Inc.		
6.875%, 01/15/2025 (A)	1,350,000	1,312,902

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Materials (continued)</b>		
Flex Acquisition Company, Inc. (continued)		
7.875%, 07/15/2026 (A)(B)	\$ 350,000	\$ 355,250
Kaiser Aluminum Corp.		
4.625%, 03/01/2028 (A)	275,000	272,250
Novelis Corp.		
5.875%, 09/30/2026 (A)	250,000	258,214
OI European Group BV		
4.000%, 03/15/2023 (A)(B)	350,000	353,938
Owens-Brockway Glass Container, Inc.		
5.000%, 01/15/2022 (A)	175,000	180,250
5.375%, 01/15/2025 (A)(B)	850,000	891,888
5.875%, 08/15/2023 (A)	913,000	965,607
6.375%, 08/15/2025 (A)(B)	800,000	882,000
QVC, Inc.		
4.750%, 02/15/2027	125,000	123,002
Reynolds Group Issuer, Inc.		
5.125%, 07/15/2023 (A)	450,000	454,500
Sealed Air Corp.		
5.125%, 12/01/2024 (A)	1,165,000	1,249,463
Silgan Holdings, Inc.		
4.125%, 02/01/2028 (A)	650,000	651,625
4.750%, 03/15/2025	125,000	126,459
Trivium Packaging Finance BV		
5.500%, 08/15/2026 (A)	250,000	259,063
8.500%, 08/15/2027 (A)	150,000	157,695
Valvoline, Inc.		
4.250%, 02/15/2030 (A)	125,000	123,281
5.500%, 07/15/2024	250,000	260,375
		13,158,197
<b>Real estate – 3.5%</b>		
CoreCivic, Inc.		
4.625%, 05/01/2023	300,000	300,660
5.000%, 10/15/2022	800,000	816,400
Iron Mountain, Inc.		
4.375%, 06/01/2021 (A)	975,000	971,607
6.000%, 08/15/2023	250,000	254,375
MPT Operating Partnership LP		
4.625%, 08/01/2029	275,000	288,923
5.000%, 10/15/2027	725,000	756,545
5.250%, 08/01/2026	800,000	832,284
5.500%, 05/01/2024	715,000	727,513
6.375%, 03/01/2024	60,000	61,875
SBA Communications Corp.		
3.875%, 02/15/2027 (A)	300,000	306,090
4.000%, 10/01/2022	525,000	530,786
The GEO Group, Inc.		
5.125%, 04/01/2023	210,000	198,492
5.875%, 01/15/2022 to 10/15/2024	1,665,000	1,619,450
6.000%, 04/15/2026	975,000	882,375
		8,547,375
<b>Utilities – 6.7%</b>		
AmeriGas Partners LP		
5.750%, 05/20/2027	100,000	104,000
NextEra Energy Operating Partners LP		
4.250%, 07/15/2024 to 09/15/2024 (A)	825,000	838,493
4.500%, 09/15/2027 (A)(B)	725,000	756,186
NSG Holdings LLC		
7.750%, 12/15/2025 (A)	2,371,547	2,632,417
Pattern Energy Group, Inc.		
5.875%, 02/01/2024 (A)	3,800,000	3,876,000
Rockpoint Gas Storage Canada, Ltd.		
7.000%, 03/31/2023 (A)	987,000	927,780
Southern Star Central Corp.		
5.125%, 07/15/2022 (A)	1,900,000	1,925,140



# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>CORPORATE BONDS (continued)</b>		
<b>Utilities (continued)</b>		
Suburban Propane Partners LP 5.875%, 03/01/2027	\$ 175,000	\$ 180,250
TerraForm Global Operating LLC 6.125%, 03/01/2026 (A)	950,000	983,250
TerraForm Power Operating LLC 4.250%, 01/31/2023 (A)	2,250,000	2,286,608
4.750%, 01/15/2030 (A)	325,000	337,594
5.000%, 01/31/2028 (A)	1,525,000	1,641,358
		16,489,076
<b>TOTAL CORPORATE BONDS (Cost \$222,221,622)</b>		<b>\$ 220,324,824</b>
<b>CONVERTIBLE BONDS – 0.8%</b>		
<b>Communication services – 0.2%</b>		
DISH Network Corp. 3.375%, 08/15/2026	575,000	555,167
<b>Energy – 0.6%</b>		
Denbury Resources, Inc. 6.375%, 12/31/2024 (A)	531,000	280,130
Whiting Petroleum Corp. 1.250%, 04/01/2020	1,345,000	1,200,413
		1,480,543
<b>TOTAL CONVERTIBLE BONDS (Cost \$2,271,010)</b>		<b>\$ 2,035,710</b>
<b>TERM LOANS (D) – 4.1%</b>		
<b>Communication services – 1.7%</b>		
Advantage Sales & Marketing, Inc., 2014 1st Lien Term Loan (1 month LIBOR + 3.250%) 4.853%, 07/23/2021	916,158	883,808
Ancestry.com Operations, Inc., 2019 Extended Term Loan B (1 month LIBOR + 4.250%) 5.860%, 08/27/2026	3,699,454	3,311,011
		4,194,819
<b>Consumer discretionary – 0.6%</b>		
CCM Merger, Inc., New Term Loan B (1 month LIBOR + 2.250%) 3.853%, 08/08/2021	283,045	282,479
Montreign Operating Company LLC, Term Loan B (1 month LIBOR + 8.250%) 9.853%, 01/24/2023	1,419,551	1,240,078
		1,522,557
<b>Consumer staples – 0.1%</b>		
Atkins Nutritionals Holdings, Inc., 2017 Term Loan B (1 month LIBOR + 3.750%) 5.403%, 07/07/2024	145,423	145,060
<b>Energy – 0.4%</b>		
EPIC Crude Services LP, Term Loan B (3 month LIBOR + 5.000%) 6.620%, 03/02/2026	600,000	578,400
Ultra Resources, Inc., 1st Lien Term Loan (1 month LIBOR + 4.000%) 5.603%, 04/12/2024	670,678	367,196
		945,596
<b>Financials – 0.9%</b>		
HUB International, Ltd., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%) 5.692%, 04/25/2025	450,000	448,394

## U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
<b>TERM LOANS (D) (continued)</b>		
<b>Financials (continued)</b>		
Nexus Buyer LLC, Term Loan B (1 month LIBOR + 3.750%) 5.421%, 11/09/2026	\$ 475,000	\$ 469,457
USI, Inc., 2019 Incremental Term Loan B (1 month LIBOR + 4.000%) 5.945%, 12/02/2026	150,000	149,000
Victory Capital Holdings, Inc., 2020 Term Loan B (3 month LIBOR + 2.500%) 4.155%, 07/01/2026	1,309,045	1,291,046
		2,357,897
<b>Information technology – 0.3%</b>		
Emerald TopCo, Inc., Term Loan (1 month LIBOR + 3.500%) 5.103%, 07/24/2026	673,313	671,346
<b>Materials – 0.1%</b>		
Clearwater Paper Corp., Term Loan B (1 month LIBOR + 3.250%) 4.938%, 07/26/2026	150,000	148,875
<b>TOTAL TERM LOANS (Cost \$10,680,607)</b>		<b>\$ 9,986,150</b>
<b>RIGHTS – 0.1%</b>		
Texas Competitive Electric Holdings Company LLC (E)(F)	215,025	215,025
<b>TOTAL RIGHTS (Cost \$1,079,996)</b>		<b>\$ 215,025</b>
<b>ESCROW CERTIFICATES – 0.0%</b>		
Texas Competitive Electric Holdings Company LLC 11.500%, 10/01/2020 (E)(G)	\$ 13,200,000	19,800
<b>TOTAL ESCROW CERTIFICATES (Cost \$6,477)</b>		<b>\$ 19,800</b>
<b>SHORT-TERM INVESTMENTS – 8.8%</b>		
<b>Short-term funds – 8.8%</b>		
John Hancock Collateral Trust, 1.6968% (H)(I)	1,631,217	16,326,685
State Street Institutional U.S. Government Money Market Fund, Premier Class, 1.5386% (H)	5,273,559	5,273,559
<b>TOTAL SHORT-TERM INVESTMENTS (Cost \$21,596,224)</b>		<b>\$ 21,600,244</b>
<b>Total Investments (U.S. High Yield Bond Fund) (Cost \$257,855,936) – 103.4%</b>		
<b>Other assets and liabilities, net – (3.4%)</b>		
<b>TOTAL NET ASSETS – 100.0%</b>		
<b>\$ 245,893,850</b>		

### Security Abbreviations and Legend

LIBOR	London Interbank Offered Rate
PIK	Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
(A)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration. Rule 144A securities amounted to \$151,739,410 or 61.7% of the fund's net assets as of 2-29-20.
(B)	All or a portion of this security is on loan as of 2-29-20.
(C)	Non-income producing - Issuer is in default.
(D)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(E)	Non-income producing security.
(F)	Strike price and/or expiration date not available.
(G)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(H)	The rate shown is the annualized seven-day yield as of 2-29-20.

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

---

## U.S. High Yield Bond Fund (continued)

- (I) Investment is an affiliate of the fund, the advisor and/or subadvisor.  
This security represents the investment of cash collateral received for securities lending.

# John Hancock Funds II

Portfolio of Investments — February 29, 2020 (unaudited) (showing percentage of total net assets)

---

The following fund had the following country composition as a percentage of net assets on 2-29-20:

**High Yield Fund**

United States	74.5%
Canada	6.1%
Cayman Islands	6.0%
United Kingdom	3.7%
France	1.9%
Netherlands	1.6%
United Arab Emirates	1.1%
Other countries	5.1%
<b>TOTAL</b>	<b>100.0%</b>

# John Hancock Funds II

Statements of assets and liabilities — February 29, 2020 (unaudited)

	Asia Pacific Total Return Bond Fund	Core Bond Fund	High Yield Fund	Opportunistic Fixed Income Fund
<b>Assets</b>				
Unaffiliated investments, at value	\$249,976,892	\$3,180,657,141	\$230,747,027	\$43,157,403
Affiliated investments, at value	—	1,669,238	6,266,896	—
Repurchase agreements, at value	—	—	—	421,000
<b>Total investments, at value</b>	<b>249,976,892</b>	<b>3,182,326,379</b>	<b>237,013,923</b>	<b>43,578,403</b>
Receivable for centrally cleared swaps	—	—	22,301	—
Unrealized appreciation on forward foreign currency contracts	—	—	28,747	—
Receivable for futures variation margin	—	—	37,469	—
Cash	5,550,730	8,619,907	—	819
Foreign currency, at value	1,724,713	—	277,197	—
Collateral held at broker for futures contracts	109,517	—	56,130	—
Collateral segregated at custodian for OTC derivative contracts	—	—	60,000	—
Interest receivable	2,828,978	13,187,250	3,356,555	162,056
Receivable for fund shares sold	—	2,727,875	—	—
Receivable for investments sold	—	73,293,156	2,368,385	—
Receivable for delayed delivery securities sold	—	205,256,373	—	26,893,902
Receivable for securities lending income	—	183	1,273	—
Receivable from affiliates	—	—	—	1,040
Other assets	8,354	40,839	9,403	11,655
<b>Total assets</b>	<b>260,199,184</b>	<b>3,485,451,962</b>	<b>243,231,383</b>	<b>70,647,875</b>
<b>Liabilities</b>				
Unrealized depreciation on forward foreign currency contracts	—	—	25,053	—
Written options, at value	—	—	118,821	—
Payable for futures variation margin	122,305	—	—	—
Due to custodian	—	—	594,289	—
Payable for collateral on sale commitments	—	77,000	—	105,000
Payable for investments purchased	—	75,181,727	4,078,250	—
Payable for delayed delivery securities purchased	—	448,086,651	—	26,826,125
Payable for fund shares repurchased	1,205,028	30,635,312	1,529,091	317,670
Payable upon return of securities loaned	—	1,668,746	6,265,792	—
Payable to affiliates	—	—	—	—
Accounting and legal services fees	7,066	76,300	5,983	965
Trustees' fees	708	3,109	652	395
Other liabilities and accrued expenses	62,856	138,921	61,337	70,457
<b>Total liabilities</b>	<b>1,397,963</b>	<b>555,867,766</b>	<b>12,679,268</b>	<b>27,320,612</b>
<b>Net assets</b>	<b>\$258,801,221</b>	<b>\$2,929,584,196</b>	<b>\$230,552,115</b>	<b>\$43,327,263</b>
<b>Net assets consist of</b>				
Paid-in capital	\$268,319,309	\$2,786,008,723	\$335,154,617	\$48,865,838
Total distributable earnings (loss)	(9,518,088)	143,575,473	(104,602,502)	(5,538,575)
<b>Net assets</b>	<b>\$258,801,221</b>	<b>\$2,929,584,196</b>	<b>\$230,552,115</b>	<b>\$43,327,263</b>
Unaffiliated investments, including repurchase agreements, at cost	\$252,340,778	\$3,070,229,143	\$257,173,921	\$42,241,367
Affiliated investments, at cost	—	\$1,668,824	\$6,265,283	—
Foreign currency, at cost	\$1,740,923	—	\$287,052	—
Premiums received on written options	—	—	\$19,904	—
Collateral held at broker for centrally cleared swaps	—	—	\$20,000	—
Securities loaned, at value	—	\$1,633,621	\$5,972,555	—
<b>Net asset value per share</b>				
The funds have an unlimited number of shares authorized with no par value. Net asset value is calculated by dividing the net assets of each class of shares by the number of outstanding shares in the class.				
<b>Class 1</b>				
Net assets	—	\$189,484,618	\$230,552,115	\$43,327,263
Shares outstanding	—	13,939,638	28,910,492	3,275,430
Net asset value, offering price and redemption price per share	—	\$13.59	\$7.97	\$13.23
<b>Class NAV</b>				
Net assets	\$258,801,221	\$2,740,099,578	—	—
Shares outstanding	26,362,976	201,895,650	—	—
Net asset value, offering price and redemption price per share	\$9.82	\$13.57	—	—

The accompanying notes are an integral part of the financial statements.

# John Hancock Funds II

Statements of assets and liabilities — February 29, 2020 (unaudited)

	<b>U.S. High Yield Bond Fund</b>
<b>Assets</b>	
Unaffiliated investments, at value	\$237,855,068
Affiliated investments, at value	16,326,685
<b>Total investments, at value</b>	<b>254,181,753</b>
Cash	2,688
Interest receivable	3,808,564
Receivable for fund shares sold	224,387
Receivable for investments sold	7,489,320
Receivable for securities lending income	10,502
Other assets	6,849
<b>Total assets</b>	<b>265,724,063</b>
<b>Liabilities</b>	
Payable for investments purchased	2,423,737
Payable for fund shares repurchased	1,030,226
Payable upon return of securities loaned	16,320,863
Payable to affiliates	
Accounting and legal services fees	6,418
Trustees' fees	416
Other liabilities and accrued expenses	48,553
<b>Total liabilities</b>	<b>19,830,213</b>
<b>Net assets</b>	<b>\$245,893,850</b>
<b>Net assets consist of</b>	
Paid-in capital	\$265,933,506
Total distributable earnings (loss)	(20,039,656)
<b>Net assets</b>	<b>\$245,893,850</b>
Unaffiliated investments, including repurchase agreements, at cost	\$241,533,271
Affiliated investments, at cost	\$16,322,665
Securities loaned, at value	\$15,975,585
<b>Net asset value per share</b>	
The funds have an unlimited number of shares authorized with no par value. Net asset value is calculated by dividing the net assets of each class of shares by the number of outstanding shares in the class.	
<b>Class 1</b>	
Net assets	\$70,307,128
Shares outstanding	6,400,334
Net asset value, offering price and redemption price per share	\$10.98
<b>Class NAV</b>	
Net assets	\$175,586,722
Shares outstanding	16,001,805
Net asset value, offering price and redemption price per share	\$10.97

The accompanying notes are an integral part of the financial statements.

# John Hancock Funds II

Statements of operations — For the six months ended February 29, 2020 (unaudited)

	Asia Pacific Total Return Bond Fund	Core Bond Fund	High Yield Fund	Opportunistic Fixed Income Fund
<b>Investment income</b>				
Interest	\$7,096,448	\$38,496,435	\$7,238,114	\$510,616
Dividends	—	—	108,389	—
Securities lending	—	2,258	15,825	—
Less foreign taxes withheld	(283,783)	—	(315)	—
<b>Total investment income</b>	<b>6,812,665</b>	<b>38,498,693</b>	<b>7,362,013</b>	<b>510,616</b>
<b>Expenses</b>				
Investment management fees	1,062,505	8,157,403	838,621	147,943
Distribution and service fees	—	43,790	59,902	10,576
Interest expense	—	—	—	37,561
Accounting and legal services fees	26,670	260,376	21,684	3,828
Trustees' fees	2,978	27,103	2,139	269
Custodian fees	69,340	159,611	28,200	45,783
Printing and postage	6,152	6,401	6,401	6,401
Professional fees	41,462	58,812	43,841	55,116
Other	9,363	52,988	9,936	9,976
<b>Total expenses</b>	<b>1,218,470</b>	<b>8,766,484</b>	<b>1,010,724</b>	<b>317,453</b>
Less expense reductions	(11,156)	(108,964)	(9,070)	(90,467)
<b>Net expenses</b>	<b>1,207,314</b>	<b>8,657,520</b>	<b>1,001,654</b>	<b>226,986</b>
<b>Net investment income</b>	<b>5,605,351</b>	<b>29,841,173</b>	<b>6,360,359</b>	<b>283,630</b>
<b>Realized and unrealized gain (loss)</b>				
<b>Net realized gain (loss) on</b>				
Unaffiliated investments and foreign currency transactions	4,432,725	54,856,803	1,597,731	1,214,443
Affiliated investments	—	140	(494)	—
Securities sold short	—	—	—	(14,950)
Futures contracts	(47,225)	—	3,401	15,770
Forward foreign currency contracts	—	—	62,257	(535,501)
Written options	—	—	—	113,156
Swap contracts	—	—	1,155	9,410
	<b>4,385,500</b>	<b>54,856,943</b>	<b>1,664,050</b>	<b>802,328</b>
<b>Change in net unrealized appreciation (depreciation) of</b>				
Unaffiliated investments and translation of assets and liabilities in foreign currencies	961,767	8,118,593	(2,503,218)	260,878
Affiliated investments	—	384	1,661	—
Securities sold short	—	—	—	(1,163)
Futures contracts	(169,534)	—	36,516	(64,540)
Forward foreign currency contracts	—	—	(5,451)	194,733
Written options	—	—	(98,917)	(22,273)
Swap contracts	—	—	1,295	(107,009)
	<b>792,233</b>	<b>8,118,977</b>	<b>(2,568,114)</b>	<b>260,626</b>
<b>Net realized and unrealized gain (loss)</b>	<b>5,177,733</b>	<b>62,975,920</b>	<b>(904,064)</b>	<b>1,062,954</b>
<b>Increase in net assets from operations</b>	<b>\$10,783,084</b>	<b>\$92,817,093</b>	<b>\$5,456,295</b>	<b>\$1,346,584</b>

The accompanying notes are an integral part of the financial statements.

# John Hancock Funds II

Statements of operations — For the six months ended February 29, 2020 (unaudited)

	<b>U.S. High Yield Bond Fund</b>
<b>Investment income</b>	
Interest	\$7,125,199
Securities lending	59,233
<b>Total investment income</b>	<b>7,184,432</b>
<b>Expenses</b>	
Investment management fees	923,113
Distribution and service fees	18,129
Accounting and legal services fees	22,456
Trustees' fees	2,300
Custodian fees	25,614
Printing and postage	6,401
Professional fees	(69,943) <sup>1</sup>
Other	10,160
<b>Total expenses</b>	<b>938,230</b>
Less expense reductions	(9,397)
<b>Net expenses</b>	<b>928,833</b>
<b>Net investment income</b>	<b>6,255,599</b>
<b>Realized and unrealized gain (loss)</b>	
<b>Net realized gain (loss) on</b>	
Unaffiliated investments and foreign currency transactions	2,310,600
Affiliated investments	1,611
	<b>2,312,211</b>
<b>Change in net unrealized appreciation (depreciation) of</b>	
Unaffiliated investments and translation of assets and liabilities in foreign currencies	(5,949,737)
Affiliated investments	2,027
	<b>(5,947,710)</b>
<b>Net realized and unrealized gain (loss)</b>	<b>(3,635,499)</b>
<b>Increase in net assets from operations</b>	<b>\$2,620,100</b>

<sup>1</sup> During the six months ended February 29, 2020, U.S. High Yield Bond Fund received a reimbursement of legal fees. See Note 14 to the Financial statements. As a result of this reimbursement, the fund reflects negative professional fees in the current reporting period. Professional fees incurred by the fund for the six months ended February 29, 2020 prior to these reimbursements were \$37,486.



# John Hancock Funds II

## Statements of changes in net assets (unaudited)

	Asia Pacific Total Return Bond Fund		Core Bond Fund		High Yield Fund	
	Six months ended 2-29-20 (unaudited)	Year ended 8-31-19	Six months ended 2-29-20 (unaudited)	Year ended 8-31-19	Six months ended 2-29-20 (unaudited)	Year ended 8-31-19
<b>Increase (decrease) in net assets</b>						
<b>From operations</b>						
Net investment income	\$5,605,351	\$12,615,853	\$29,841,173	\$58,157,740	\$6,360,359	\$18,833,797
Net realized gain (loss)	4,385,500	(5,799,107)	54,856,943	56,391,733	1,664,050	(3,955,082)
Change in net unrealized appreciation (depreciation)	792,233	14,826,404	8,118,977	119,059,741	(2,568,114)	(2,204,231)
<b>Increase in net assets resulting from operations</b>	<b>10,783,084</b>	<b>21,643,150</b>	<b>92,817,093</b>	<b>233,609,214</b>	<b>5,456,295</b>	<b>12,674,484</b>
<b>Distributions to shareholders</b>						
From earnings						
Class 1	—	—	(4,093,228)	(4,342,494)	(7,499,538)	(15,929,257)
Class NAV	(11,534,899)	(9,927,876)	(64,043,068)	(52,735,636)	—	(4,816,452) <sup>1</sup>
<b>Total distributions</b>	<b>(11,534,899)</b>	<b>(9,927,876)</b>	<b>(68,136,296)</b>	<b>(57,078,130)</b>	<b>(7,499,538)</b>	<b>(20,745,709)</b>
<b>From fund share transactions</b>						
From fund share transactions	(42,154,932)	(61,348,396)	37,162,182	981,800,705	(17,824,790)	(159,645,877)
<b>Total increase (decrease)</b>	<b>(42,906,747)</b>	<b>(49,633,122)</b>	<b>61,842,979</b>	<b>1,158,331,789</b>	<b>(19,868,033)</b>	<b>(167,717,102)</b>
<b>Net assets</b>						
Beginning of period	301,707,968	351,341,090	2,867,741,217	1,709,409,428	250,420,148	418,137,250
<b>End of period</b>	<b>\$258,801,221</b>	<b>\$301,707,968</b>	<b>\$2,929,584,196</b>	<b>\$2,867,741,217</b>	<b>\$230,552,115</b>	<b>\$250,420,148</b>

1 Class NAV shares were fully redeemed on 3-28-19.

	Opportunistic Fixed Income Fund		U.S. High Yield Bond Fund	
	Six months ended 2-29-20 (unaudited)	Year ended 8-31-19	Six months ended 2-29-20 (unaudited)	Year ended 8-31-19
<b>Increase (decrease) in net assets</b>				
<b>From operations</b>				
Net investment income	\$283,630	\$3,243,762	\$6,255,599	\$13,484,264
Net realized gain (loss)	802,328	(140,160)	2,312,211	(2,068,507)
Change in net unrealized appreciation (depreciation)	260,626	1,017,544	(5,947,710)	2,038,468
<b>Increase in net assets resulting from operations</b>	<b>1,346,584</b>	<b>4,121,146</b>	<b>2,620,100</b>	<b>13,454,225</b>
<b>Distributions to shareholders</b>				
From earnings				
Class 1	(1,410,083)	(648,896)	(2,152,284)	(4,094,406)
Class NAV	—	(2,845,170) <sup>2</sup>	(5,227,793)	(10,019,828)
<b>Total distributions</b>	<b>(1,410,083)</b>	<b>(3,494,066)</b>	<b>(7,380,077)</b>	<b>(14,114,234)</b>
<b>From fund share transactions</b>				
From fund share transactions	(3,903,642)	(230,201,605)	3,245,702	(23,515,780)
<b>Total increase (decrease)</b>	<b>(3,967,141)</b>	<b>(229,574,525)</b>	<b>(1,514,275)</b>	<b>(24,175,789)</b>
<b>Net assets</b>				
Beginning of period	47,294,404	276,868,929	247,408,125	271,583,914
<b>End of period</b>	<b>\$43,327,263</b>	<b>\$47,294,404</b>	<b>\$245,893,850</b>	<b>\$247,408,125</b>

2 Class NAV shares were fully redeemed on 4-17-19.

# John Hancock Funds II

## Financial highlights

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less distributions				Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Ratios to average net assets			Net assets, end of period (in millions)	Portfolio turnover (%)
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)		

### Asia Pacific Total Return Bond Fund

#### Class NAV

02-29-2020 <sup>3</sup>	9.86	0.19	0.15	0.34	(0.38)	—	(0.38)	9.82	3.52 <sup>4</sup>	0.83 <sup>5</sup>	0.82 <sup>5</sup>	3.80 <sup>5</sup>	259	24
08-31-2019	9.49	0.38	0.29	0.67	(0.30)	—	(0.30)	9.86	7.31	0.83	0.82	3.97	302	60
08-31-2018	9.80	0.34	(0.44)	(0.10)	(0.21)	—	(0.21)	9.49	(1.05)	0.80	0.79	3.48	351	70
08-31-2017	9.64	0.32	(0.01)	0.31	(0.15)	—	(0.15)	9.80	3.30	0.80	0.79	3.32	382	53
08-31-2016	8.94	0.32	0.64	0.96	(0.26)	—	(0.26)	9.64	10.96	0.81	0.80	3.44	412	54
08-31-2015	9.63	0.30	(0.74)	(0.44)	(0.25)	—	(0.25)	8.94	(4.65)	0.83	0.82	3.21	422	35

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods. 3. Six months ended 2-29-20. Unaudited. 4. Not annualized. 5. Annualized.

### Core Bond Fund

#### Class 1

02-29-2020 <sup>3</sup>	13.50	0.13	0.27	0.40	(0.19)	(0.12)	(0.31)	13.59	3.08 <sup>4</sup>	0.66 <sup>5</sup>	0.65 <sup>5</sup>	2.03 <sup>5</sup>	189	171
08-31-2019	12.66	0.33	0.86	1.19	(0.35)	—	(0.35)	13.50	9.59	0.66	0.65	2.60	175	447
08-31-2018	13.15	0.27	(0.48)	(0.21)	(0.28)	—	(0.28)	12.66	(1.58)	0.67	0.66	2.08	161	277
08-31-2017	13.49	0.22	(0.17)	0.05	(0.24)	(0.15)	(0.39)	13.15	0.46	0.67	0.66	1.70	190	363
08-31-2016	13.01	0.21	0.51	0.72	(0.24)	—	(0.24)	13.49	5.59	0.67	0.66	1.59	220	471
08-31-2015	13.08	0.18	(0.03)	0.15	(0.22)	—	(0.22)	13.01	1.14	0.68	0.67	1.39	168	408

#### Class NAV

02-29-2020 <sup>3</sup>	13.47	0.14	0.27	0.41	(0.19)	(0.12)	(0.31)	13.57	3.18 <sup>4</sup>	0.61 <sup>5</sup>	0.60 <sup>5</sup>	2.08 <sup>5</sup>	2,740	171
08-31-2019	12.64	0.34	0.84	1.18	(0.35)	—	(0.35)	13.47	9.58	0.61	0.60	2.63	2,693	447
08-31-2018	13.13	0.27	(0.47)	(0.20)	(0.29)	—	(0.29)	12.64	(1.54)	0.62	0.61	2.14	1,548	277
08-31-2017	13.47	0.23	(0.17)	0.06	(0.25)	(0.15)	(0.40)	13.13	0.51	0.62	0.61	1.77	1,615	363
08-31-2016	12.99	0.22	0.50	0.72	(0.24)	—	(0.24)	13.47	5.65	0.62	0.61	1.64	1,226	471
08-31-2015	13.06	0.19	(0.04)	0.15	(0.22)	—	(0.22)	12.99	1.19	0.63	0.62	1.44	1,044	408

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods. 3. Six months ended 2-29-20. Unaudited. 4. Not annualized. 5. Annualized.

### High Yield Fund

#### Class 1

02-29-2020 <sup>3</sup>	8.04	0.21	(0.03)	0.18	(0.25)	—	(0.25)	7.97	2.25 <sup>4</sup>	0.84 <sup>5</sup>	0.84 <sup>5</sup>	5.31 <sup>5</sup>	231	33
08-31-2019	8.17	0.46	(0.10)	0.36	(0.49)	—	(0.49)	8.04	4.32	0.82	0.81	5.77	250	51
08-31-2018	8.30	0.47	(0.12)	0.35	(0.48)	—	(0.48)	8.17	4.81	0.79	0.79	5.69	282	60
08-31-2017	8.17	0.49	0.17	0.66	(0.53)	—	(0.53)	8.30	8.31	0.79	0.78	5.89	339	56
08-31-2016	8.33	0.55	(0.14)	0.41	(0.57)	—	(0.57)	8.17	5.60	0.79	0.78	7.10	343	58
08-31-2015	9.63	0.60	(1.23)	(0.63)	(0.67)	—	(0.67)	8.33	(6.78)	0.77	0.76	6.72	384	59

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods. 3. Six months ended 2-29-20. Unaudited. 4. Not annualized. 5. Annualized.

### Opportunistic Fixed Income Fund

#### Class 1

02-29-2020 <sup>3</sup>	13.27	0.09	0.33	0.42	(0.46)	—	(0.46)	13.23	3.21 <sup>4</sup>	1.50 <sup>5,6</sup>	1.07 <sup>5,6</sup>	1.34 <sup>5</sup>	43	103 <sup>7</sup>
08-31-2019	12.72	0.24	0.48	0.72	(0.17)	—	(0.17)	13.27	5.75	1.20 <sup>6</sup>	1.16 <sup>6</sup>	2.05	47	53
08-31-2018	12.84	0.26	(0.38)	(0.12)	—	—	—	12.72	(0.93)	0.86	0.85	2.04	51	31
08-31-2017	13.09	0.18	(0.08)	0.10	(0.31)	(0.04)	(0.35)	12.84	1.05	0.83	0.82	1.48	59	56
08-31-2016	11.87	0.19	1.03	1.22	— <sup>8</sup>	—	— <sup>8</sup>	13.09	10.30	0.82	0.81	1.55	66	71
08-31-2015	12.64	0.20	(0.97)	(0.77)	—	—	—	11.87	(6.09)	0.83	0.82	1.64	57	61

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods. 3. Six months ended 2-29-20. Unaudited. 4. Not annualized. 5. Annualized. 6. Includes interest expense of 0.18% (annualized) and 0.26% for the six months ended February 29, 2020 and the year ended August 31, 2019, respectively. 7. Increase in portfolio turnover rate resulted from repositioning of the portfolio during the period in accordance with investment policy changes approved by the Board of Trustees. 8. Less than \$0.005 per share.

# John Hancock Funds II

## Financial highlights

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less distributions				Net asset value, end of period (\$)	Ratios to average net assets					
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)		Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
<b>U.S. High Yield Bond Fund</b>														
<b>Class 1</b>														
02-29-2020 <sup>3</sup>	11.20	0.28	(0.17)	0.11	(0.33)	—	(0.33)	10.98	1.07 <sup>4</sup>	0.83 <sup>5,6</sup>	0.82 <sup>5,6</sup>	4.97 <sup>5</sup>	70	41
08-31-2019	11.21	0.58	0.02	0.60	(0.61)	—	(0.61)	11.20	5.58	0.87	0.86	5.25	73	41
08-31-2018	11.41	0.58	(0.19)	0.39	(0.59)	—	(0.59)	11.21	3.52	0.86	0.86	5.14	75	51
08-31-2017	11.15	0.61	0.31	0.92	(0.66)	—	(0.66)	11.41	8.53	0.88	0.87	5.42	84	68
08-31-2016	11.20	0.64	0.02	0.66	(0.71)	—	(0.71)	11.15	6.50	0.85	0.84	6.01	80	59
08-31-2015	12.59	0.66	(0.82)	(0.16)	(0.75)	(0.48)	(1.23)	11.20	(1.29)	0.83	0.82	5.61	87	40
<b>Class NAV</b>														
02-29-2020 <sup>3</sup>	11.18	0.28	(0.16)	0.12	(0.33)	—	(0.33)	10.97	1.09 <sup>4</sup>	0.78 <sup>5,6</sup>	0.77 <sup>5,6</sup>	5.02 <sup>5</sup>	176	41
08-31-2019	11.20	0.58	0.01	0.59	(0.61)	—	(0.61)	11.18	5.55	0.82	0.81	5.30	174	41
08-31-2018	11.40	0.59	(0.19)	0.40	(0.60)	—	(0.60)	11.20	3.58	0.81	0.81	5.20	196	51
08-31-2017	11.14	0.62	0.30	0.92	(0.66)	—	(0.66)	11.40	8.59	0.83	0.82	5.52	212	68
08-31-2016	11.19	0.64	0.03	0.67	(0.72)	—	(0.72)	11.14	6.56	0.80	0.80	6.03	281	59
08-31-2015	12.58	0.67	(0.82)	(0.15)	(0.76)	(0.48)	(1.24)	11.19	(1.24)	0.78	0.77	5.65	261	40

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods. 3. Six months ended 2-29-20. Unaudited. 4. Not annualized. 5. Annualized. 6. Includes reimbursement of legal fees of 0.04%. See Note 14 to the Financial statements.

# John Hancock Funds II

## Notes to financial statements (unaudited)

### 1. Organization

John Hancock Funds II (the Trust) is an open-end management investment company organized as a Massachusetts business trust. The Trust is registered under the Investment Company Act of 1940, as amended (the 1940 Act). It is a series company with multiple investment series (the funds), five of which are presented in this report.

The funds may offer multiple classes of shares. The shares currently offered by a specific fund are detailed in the Statements of assets and liabilities. Class 1 shares are offered only to certain affiliates of Manulife Financial Corporation. Class NAV shares are offered to John Hancock affiliated funds of funds, retirement plans for employees of John Hancock and/or Manulife Financial Corporation, and certain 529 plans. Shareholders of each class have exclusive voting rights to matters that affect that class. The distribution and service fees, if any, and transfer agent fees for each class may differ.

Prior to February 28, 2020, Opportunistic Fixed Income Fund was known as Global Bond Fund.

### 2. Significant accounting policies

The financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America (US GAAP), which require management to make certain estimates and assumptions as of the date of the financial statements. Actual results could differ from those estimates and those differences could be significant. The funds qualify as investment companies under Topic 946 of Accounting Standards Codification of US GAAP.

Events or transactions occurring after the end of the fiscal period through the date that the financial statements were issued have been evaluated in the preparation of the financial statements. The following summarizes the significant accounting policies of the funds:

**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 funds' Valuation Policies and Procedures.

In order to value the securities, the funds use the following valuation techniques: Debt obligations typically are valued based on the evaluated prices provided by an independent pricing vendor. Independent pricing vendors utilize matrix pricing, which takes into account factors such as institutional-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, trading characteristics and other market data, as well as broker supplied prices. 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 in open-end mutual funds, including John Hancock Collateral Trust (JHCT), are valued at their respective NAVs each business day. Options listed on an exchange are valued at the mid-price of the last quoted bid and ask prices from the primary exchange where the option trades. Unlisted options are generally valued using evaluated prices obtained from an independent pricing vendor. Futures contracts are typically valued at the last traded price on the exchange on which they trade. Swaps are valued using evaluated prices obtained from an independent pricing vendor. Forward foreign currency contracts are valued at the prevailing forward rates which are based on foreign currency exchange spot rates and forward points supplied by an independent pricing vendor. Foreign securities and currencies are valued in U.S. dollars based on foreign currency exchange rates supplied by an independent pricing vendor.

In certain instances, the Pricing Committee 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 funds' Pricing Committee following procedures established 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. Trading in foreign securities may be completed before the scheduled daily close of trading on the NYSE. Significant events at the issuer or market level may affect the values of securities between the time when the valuation of the securities is generally determined and the close of the NYSE. If a significant event occurs, these securities may be fair valued, as determined in good faith by the funds' Pricing Committee, following procedures established by the Board of Trustees. The funds use fair value adjustment factors provided by an independent pricing vendor to value certain foreign securities in order to adjust for events that may occur between the close of foreign exchanges or markets and the close of the NYSE.

The funds use 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 funds' own 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.

## Significant accounting policies, continued

The following is a summary of the values by input classification of the funds' investments as of February 29, 2020, by major security category or type:

	Total value at 2-29-20	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>Asia Pacific Total Return Bond Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
Foreign government obligations	\$104,113,303	—	\$104,113,303	—
Corporate bonds	127,638,087	—	127,638,087	—
Short-term investments	18,225,502	—	18,225,502	—
<b>Total investments in securities</b>	<b>\$249,976,892</b>	<b>—</b>	<b>\$249,976,892</b>	<b>—</b>
<b>Derivatives:</b>				
<b>Liabilities</b>				
Futures	\$(173,462)	\$(173,462)	—	—
<b>Core Bond Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
U.S. Government and Agency obligations	\$1,680,742,194	—	\$1,680,742,194	—
Foreign government obligations	26,257,292	—	26,257,292	—
Corporate bonds	783,513,306	—	783,513,306	—
Municipal bonds	14,390,726	—	14,390,726	—
Collateralized mortgage obligations	295,663,885	—	295,663,885	—
Asset backed securities	279,289,232	—	279,289,232	—
Short-term investments	102,469,744	\$102,469,744	—	—
<b>Total investments in securities</b>	<b>\$3,182,326,379</b>	<b>\$102,469,744</b>	<b>\$3,079,856,635</b>	<b>—</b>
<b>High Yield Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
Foreign government obligations	\$1,920,808	—	\$1,920,808	—
Corporate bonds	189,908,227	—	189,908,227	—
Convertible bonds	2,085,095	—	2,085,095	—
Term loans	18,559,910	—	18,134,210	\$425,700
Asset backed securities	10,186,419	—	10,186,419	—
Common stocks	1,761,543	\$1,578,255	—	183,288
Preferred securities	1,680,597	1,680,597	—	—
Escrow shares	42,512	—	—	42,512
Escrow certificates	1,134	—	—	1,134
Purchased options	13,122	—	13,122	—
Short-term investments	10,854,556	10,854,556	—	—
<b>Total investments in securities</b>	<b>\$237,013,923</b>	<b>\$14,113,408</b>	<b>\$222,247,881</b>	<b>\$652,634</b>
<b>Derivatives:</b>				
<b>Assets</b>				
Futures	\$375,293	\$375,293	—	—
Forward foreign currency contracts	28,747	—	\$28,747	—
Swap contracts	4,647	—	4,647	—
<b>Liabilities</b>				
Futures	(314,294)	(314,294)	—	—
Forward foreign currency contracts	(25,053)	—	(25,053)	—
Written options	(118,821)	—	(118,821)	—
<b>Opportunistic Fixed Income Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
U.S. Government and Agency obligations	\$41,874,755	—	\$41,874,755	—
Foreign government obligations	1,282,648	—	1,282,648	—

## Significant accounting policies, continued

	Total value at 2-29-20	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
<b>Opportunistic Fixed Income Fund (continued)</b>				
Short-term investments	\$421,000	—	\$421,000	—
<b>Total investments in securities</b>	<b>\$43,578,403</b>	<b>—</b>	<b>\$43,578,403</b>	<b>—</b>
<b>U.S. High Yield Bond Fund</b>				
<b>Investments in securities:</b>				
<b>Assets</b>				
Corporate bonds	\$220,324,824	—	\$220,324,824	—
Convertible bonds	2,035,710	—	2,035,710	—
Term loans	9,986,150	—	9,986,150	—
Rights	215,025	—	215,025	—
Escrow certificates	19,800	—	—	\$19,800
Short-term investments	21,600,244	\$21,600,244	—	—
<b>Total investments in securities</b>	<b>\$254,181,753</b>	<b>\$21,600,244</b>	<b>\$232,561,709</b>	<b>\$19,800</b>

**Repurchase agreements.** The funds may enter into repurchase agreements. When the funds enter into a repurchase agreement, they receive collateral that is held in a segregated account by the funds' custodian, or for tri-party repurchase agreements, collateral is held at a third-party custodian bank in a segregated account for the benefit of the funds. The collateral amount is marked-to-market and monitored on a daily basis to ensure that the collateral held is in an amount not less than the principal amount of the repurchase agreement plus any accrued interest. Collateral received by the fund for repurchase agreements is disclosed in the Portfolio of investments as part of the caption related to the repurchase agreement.

Repurchase agreements are typically governed by the terms and conditions of the Master Repurchase Agreement and/or Global Master Repurchase Agreement (collectively, MRA). Upon an event of default, the non-defaulting party may close out all transactions traded under the MRA and net amounts owed. Absent an event of default, assets and liabilities resulting from repurchase agreements are not offset in the Statements of assets and liabilities. In the event of a default by the counterparty, realization of the collateral proceeds could be delayed, during which time the collateral value may decline or the counterparty may have insufficient assets to pay claims resulting from close-out of the transactions.

In a reverse repurchase agreement, the funds deliver a security, as collateral, in exchange for cash to a financial institution, the counterparty, with a simultaneous agreement to repurchase the same or substantially the same security at an agreed upon price and date. The funds are entitled to receive principal and interest payments, if any, made on the security delivered to the counterparty during the term of the agreement. There were no open reverse repurchase agreement contracts at February 29, 2020.

The average borrowings by the fund and the weighted average interest rate for the period ended February 29, 2020 were as follows:

Fund	Average Borrowings	Weighted average annual interest rate
Opportunistic Fixed Income Fund	\$5,789,110	(0.47%)

**When-issued/delayed-delivery securities.** The funds may purchase or sell debt securities on a when-issued or delayed-delivery basis, or in a "To Be Announced" (TBA) or "forward commitment" transaction, with delivery or payment to occur at a later date beyond the normal settlement period. TBA securities resulting from these transactions are included in the portfolio or in a schedule to the portfolio (Sale Commitments Outstanding). At the time a fund enters into a commitment to purchase or sell a security, the transaction is recorded and the value of the security is reflected in its NAV. The price of such security and the date that the security will be delivered and paid for are fixed at the time the transaction is negotiated. The value of the security may vary with market fluctuations. No interest accrues until settlement takes place. At the time that the fund enters into this type of transaction, the fund is required to have sufficient cash and/or liquid securities to cover its commitments.

Certain risks may arise upon entering into when-issued or delayed-delivery securities transactions, including the potential inability of counterparties to meet the terms of their contracts, and the issuer's failure to issue the securities due to political, economic or other factors. Additionally, losses may arise due to declines in the value of the securities purchased or increase in the value of securities sold prior to settlement date.

As a result, the funds have received the following amount of cash collateral from certain counterparties to these transactions which is recorded as a Payable for collateral on sale commitments:

Fund	Counterparty	Collateral Paid/ (Received)
Core Bond Fund	Citigroup, Inc.	\$(77,000)
Opportunistic Fixed Income Fund	Morgan Stanley & Co. LLC.	\$(105,000)

**Securities sold short.** The funds may make short sales of securities or maintain a short position, provided that at all times when a short position is open a fund owns an equal amount of such securities or securities convertible into or exchangeable, without payment of any further consideration, for an equal amount of the securities of the same issuer as the securities sold short (a short sale "against-the-box").

In addition, the funds may also sell a security they do not own in anticipation of a decline in the market value of that security (a short sale "not against-the-box"). To complete such a transaction, a fund must borrow the security to make delivery to the buyer. The fund is then obligated to replace the security borrowed by purchasing it at market price at the time of replacement. The price at such time may be more or less than the price at which the security was sold by the fund. Until the security is replaced, the fund is required to pay the lender any dividends or interest that accrues during the period of the loan. To borrow the security, the fund also may be required to pay a premium, which would increase the cost of the security sold. The proceeds of the



## Significant accounting policies, continued

short sale will be retained by the broker, to the extent necessary to meet margin requirements, until the short position is closed out.

Until a fund replaces a borrowed security, it will maintain cash or other liquid assets at such a level that will equal the current value of the security sold short; and will not be less than the market value of the security at the time it was sold short. A fund will incur a loss as a result of the short sale if the price of the security increases between the date of the short sale and the date on which the fund replaced the borrowed security. The fund will realize a gain if the security declines in price between those dates. The amount of any gain will be decreased, and the amount of any loss increased, by the amount of any premium, dividends or interest the fund may be required to pay in connection with a short sale.

Interest or short dividend expense relates to a funds' liability with respect to short sale transactions by the funds. Interest or short dividend expense is recorded as incurred.

**Sale-Buybacks.** Certain funds may enter into financing transactions referred to as sale-buybacks, which are governed by the terms of the MRA. A sale-buyback transaction consists of a sale of a security by a portfolio to counterparty, with a simultaneous agreement to repurchase the same or substantially the same security at an agreed-upon price and date. The fund is not entitled to receive principal and interest payments, if any, made on the security sold to the counterparty during the term of the agreement. The agreed-upon repurchase value of the securities to be repurchased by the fund are reflected as a liability on the Statements of Assets and Liabilities. The fund will recognize income represented by the price differential between the price received for the transferred security and the agreed-upon repurchase price. This is commonly referred to as the price drop. A price drop consists of the foregone interest and inflationary income adjustments, if any, the fund would have otherwise received had the security not been sold along with negotiated financing terms. Foregone interest and inflationary income adjustments, if any, are recorded as components of interest income on the Statements of Operations. Interest payments based upon negotiated financing terms made by the fund to counterparties are recorded as a component of interest expense on the Statements of Operations. In periods of increased demand for the security, the fund may receive a fee for use of the security by the counterparty, which may result in income to the fund. The average borrowings by the fund and the weighted average interest rate for the six months ended February 29, 2020 were as follows:

Fund	Average Borrowing	Weighted average interest rate
Opportunistic Fixed Income Fund	\$233,232	(1.89%)

**Term loans (Floating rate loans).** The funds may invest in term loans, which are debt securities and are often rated below investment grade at the time of purchase. Term loans are generally subject to legal or contractual restrictions on resale and generally have longer settlement periods than conventional debt securities. Term loans involve special types of risk, including credit risk, interest-rate risk, counterparty risk, and risk associated with extended settlement. The liquidity of term loans, including the volume and frequency of secondary market trading in such loans, varies significantly over time and among individual loans. During periods of infrequent trading, valuing a term loan can be more difficult and buying and selling a term loan at an acceptable price can be more difficult and delayed, which could result in a loss.

The funds' ability to receive payments of principal, interest and other amounts in connection with term loans will depend primarily on the financial condition of the borrower. The funds' failure to receive scheduled payments on a term loan due to a default, bankruptcy or other reason would adversely affect the funds' income and would likely reduce the value of its assets. Transactions in loan investments typically take a significant amount of time (i.e., seven days or longer) to settle. This could pose a liquidity risk to the funds and, if the funds' exposure to such investments is substantial, it could impair the funds' ability to meet redemptions. Because term loans may not be rated by independent credit rating agencies, a decision to invest in a particular loan could depend exclusively on the subadvisor's credit analysis of the borrower and/or term loan agents. There is greater risk that the funds may have limited rights to enforce the terms of an underlying loan than for other types of debt instruments.

At February 29, 2020, High Yield Fund had \$128,059 in unfunded loan commitments outstanding.

**Security transactions and related investment income.** Investment security transactions are accounted for on a trade date plus one basis for daily NAV calculations. However, for financial reporting purposes, investment transactions are reported on trade date. Interest income is accrued as earned. Interest income includes coupon interest and amortization/accretion of premiums/discounts on debt securities. Debt obligations may be placed in a non-accrual status and related interest income may be reduced by stopping current accruals and writing off interest receivable when the collection of all or a portion of interest has become doubtful. Dividend income is recorded on the ex-date, except for dividends of certain foreign securities where the dividend may not be known until after the ex-date. In those cases, dividend income, net of withholding taxes, is recorded when the fund becomes aware of the dividends. Non-cash dividends, if any, are recorded at the fair market value of the securities received. Gains and losses on securities sold are determined on the basis of identified cost and may include proceeds from litigation.

**Inflation-indexed bonds.** Inflation-indexed bonds are securities that generally have a lower coupon interest rate fixed at issuance but whose principal value is periodically adjusted based on a rate of inflation, such as the Consumer Price Index. Over the life of an inflation-indexed bond, interest is paid on the inflation adjusted principal value as described above. Increases in the principal amount of these securities are recorded as interest income. Decreases in the principal amount of these securities may reduce interest income to the extent of income previously recorded. If these decreases are in excess of income previously recorded, an adjustment to the cost of the security is made.

**Payment-in-kind bonds.** The funds may invest in payment-in-kind bonds (PIK Bonds). PIK Bonds allow the issuer, at its option, to make current interest payments on the bonds either in cash or in additional bonds. The market prices of PIK Bonds are affected to a greater extent by interest rate changes and thereby tend to be more volatile than securities which pay cash interest periodically. Income on these securities is computed at the contractual rate specified and is added to the principal balance of the bond. This income is required to be distributed to shareholders. Because no cash is received at the time income accrues on these securities, the funds may need to sell other investments to make distributions.

**Securities lending.** The funds may lend their securities to earn additional income. The funds receive collateral from the borrower in an amount not less than the market value of the loaned securities. The funds will invest their cash collateral in John Hancock Collateral Trust (JHCT), an affiliate of the funds, which has a floating NAV and is registered with the Securities and Exchange Commission (SEC) as an investment company. JHCT invests in short-term money market investments. Each fund will receive the benefit of any gains and bear any losses generated by JHCT with respect to the cash collateral.

The funds have the right to recall loaned securities on demand. If a borrower fails to return loaned securities when due, then the lending agent is responsible and indemnifies the funds for the lent securities. The lending agent uses the collateral received from the borrower to purchase replacement securities of the same issue, type, class and series of the loaned securities. If the value of the collateral is less than the purchase cost of replacement securities, the lending agent is responsible for satisfying the shortfall but only to the extent that the shortfall is not due to any decrease in the value of

## Significant accounting policies, continued

JHCT.

Although the risk of loss on securities lent is mitigated by receiving collateral from the borrower and through lending agent indemnification, the funds could experience a delay in recovering securities or could experience a lower than expected return if the borrower fails to return the securities on a timely basis. The funds receive compensation for lending their securities by retaining a portion of the return on the investment of the collateral and compensation from fees earned from borrowers of the securities. Securities lending income received by the funds is net of fees retained by the securities lending agent. Net income received from JHCT is a component of securities lending income as recorded on the Statements of operations.

Obligations to repay collateral received by the funds are shown on the Statements of assets and liabilities as Payable upon return of securities loaned and are secured by the loaned securities. The following table summarizes the values of securities loaned by the funds and the corresponding cash collateral received at February 29, 2020:

Fund	Market value of securities on loan	Cash collateral received
Core Bond Fund	\$1,633,621	\$1,668,746
High Yield Fund	5,972,555	6,265,792
U.S. High Yield Bond Fund	15,975,585	16,320,863

**Foreign investing.** Assets, including investments, and liabilities denominated in foreign currencies are translated into U.S. dollar values each day at the prevailing exchange rate. Purchases and sales of securities, income and expenses are translated into U.S. dollars at the prevailing exchange rate on the date of the transaction. The effect of changes in foreign currency exchange rates on the value of securities is reflected as a component of the realized and unrealized gains (losses) on investments. Foreign investments are subject to a decline in the value of a foreign currency versus the U.S. dollar, which reduces the dollar value of securities denominated in that currency.

Funds that invest internationally generally carry more risk than funds that invest strictly in U.S. securities. These risks are heightened for investments in emerging markets. Risks can result from differences in economic and political conditions, regulations, market practices (including higher transaction costs), accounting standards and other factors.

**Foreign taxes.** The funds may be subject to withholding tax on income, capital gains or repatriation taxes imposed by certain countries, a portion of which may be recoverable. Foreign taxes are accrued based upon the funds' understanding of the tax rules and rates that exist in the foreign markets in which it invests. Taxes are accrued based on gains realized by the fund as a result of certain foreign security sales. In certain circumstances, estimated taxes are accrued based on unrealized appreciation of such securities. Investment income is recorded net of foreign withholding taxes.

**Mortgage and asset backed securities.** The funds may invest in mortgage-related securities, such as mortgage-backed securities, and other asset-backed securities, which are debt obligations that represent interests in pools of mortgages or other income-bearing assets, such as consumer loans or receivables. Such securities often involve risks that are different from the risks associated with investing in other types of debt securities. Mortgage-backed and other asset-backed securities are subject to changes in the payment patterns of borrowers of the underlying debt. When interest rates fall, borrowers are more likely to refinance or prepay their debt before its stated maturity. This may result in the funds having to reinvest the proceeds in lower yielding securities, effectively reducing the funds' income. Conversely, if interest rates rise and borrowers repay their debt more slowly than expected, the time in which the mortgage-backed and other asset-backed securities are paid off could be extended, reducing the funds' cash available for reinvestment in higher yielding securities. The timely payment of principal and interest of certain mortgage-related securities is guaranteed with the full faith and credit of the U.S. Government. Pools created and guaranteed by non-governmental issuers, including government-sponsored corporations (e.g. FNMA), may be supported by various forms of insurance or guarantees, but there can be no assurance that private insurers or guarantors can meet their obligations under the insurance policies or guarantee arrangements. The funds is also subject to risks associated with securities with contractual cash flows including asset-backed and mortgage related securities such as collateralized mortgage obligations, mortgage pass-through securities and commercial mortgage-backed securities. The value, liquidity and related income of these securities are sensitive to changes in economic conditions, including real estate value, pre-payments, delinquencies and/or defaults, and may be adversely affected by shifts in the market's perception of the issuers and changes in interest rates.

**Overdraft.** The funds may have the ability to borrow from banks for temporary or emergency purposes, including meeting redemption requests that otherwise might require the untimely sale of securities. Pursuant to the funds' custodian agreement, the custodian may loan money to the funds to make properly authorized payments. The funds are obligated to repay the custodian for any overdraft, including any related costs or expenses. The custodian may have a lien, security interest or security entitlement in any fund property that is not otherwise segregated or pledged, to the extent of any overdraft, and to the maximum extent permitted by law. Overdrafts at period end, if any, are presented under the caption Due to custodian in the Statements of assets and liabilities.

**Line of credit.** The funds and other affiliated funds, excluding Core Bond Fund and U.S. High Yield Bond Fund, have entered into a syndicated line of credit agreement with Citibank, N.A. as the administrative agent that enables them to participate in a \$750 million unsecured committed line of credit. Excluding commitments designated for a certain fund and subject to the needs of all other affiliated funds, a fund can borrow up to an aggregate commitment amount of \$500 million, subject to asset coverage and other limitations as specified in the agreement. Core Bond Fund, U.S. High Yield Bond Fund, and other affiliated funds have entered into a separate unsecured \$50 million line of credit agreement with BNP Paribas. Subject to the needs of other affiliated funds, Core Bond Fund and U.S. High Yield Bond Fund can borrow up to the \$50 million, subject to asset coverage and other limitations as specified in the agreement.

A commitment fee payable at the end of each calendar quarter, based on the average daily unused portion of each line of credit, is charged to each participating fund based on a combination of fixed and asset based allocations and is reflected in Other expenses on the Statements of operations. For the six months ended February 29, 2020, the funds had no borrowings under the line of credit.

Commitment fees for the six months ended February 29, 2020 were as follows:

Fund	Commitment fee
Asia Pacific Total Return Bond Fund	\$1,372
Core Bond Fund	11,006
High Yield Fund	1,329
Opportunistic Fixed Income Fund	1,085

## Significant accounting policies, continued

Fund	Commitment fee
U.S. High Yield Bond Fund	\$3,478

**Expenses.** Within the John Hancock group of funds complex, expenses that are directly attributable to an individual fund are allocated to such fund. Expenses that are not readily attributable to a specific fund are allocated among all funds in an equitable manner, taking into consideration, among other things, the nature and type of expense and the fund's relative net assets. Expense estimates are accrued in the period to which they relate and adjustments are made when actual amounts are known.

**Class allocations.** Income, common expenses and realized and unrealized gains (losses) are determined at the fund level and allocated daily to each class of shares based on the net assets of the class. Class-specific expenses, such as distribution and service fees, if any, and transfer agent fees, for all classes, are charged daily at the class level based on the net assets of each class and the specific expense rates applicable to each class.

**Change in accounting principle.** Accounting Standards Update (ASU) 2017-08, *Premium Amortization on Purchased Callable Debt Securities*, shortens the premium amortization period for purchased non contingently callable debt securities and is effective for public companies with fiscal years beginning after December 15, 2018. Adoption of the ASU did not have a material impact to the funds.

**Federal income taxes.** Each fund intends to continue to qualify as a regulated investment company by complying with the applicable provisions of the Internal Revenue Code and will not be subject to federal income tax on taxable income that is distributed to shareholders. Therefore, no federal income tax provision is required.

For federal income tax purposes, as of August 31, 2019, certain funds have capital loss carryforwards available to offset future net realized capital gains. The following table details the capital loss carryforward available as of August 31, 2019:

Fund	No Expiration Date	
	Short Term	Long Term
Asia Pacific Total Return Bond Fund	\$ 629,592	\$11,148,515
High Yield Fund	3,033,788	77,622,985
Opportunistic Fixed Income Fund	1,953,537	5,393,040
U.S. High Yield Bond Fund	13,692	19,242,745

As of August 31, 2019, the funds had no uncertain tax positions that would require financial statement recognition, derecognition or disclosure. The funds' federal tax returns are subject to examination by the Internal Revenue Service for a period of three years.

For federal income tax purposes, the costs of investments owned on February 29, 2020, including short-term investments, were as follows:

Fund	Aggregate cost	Unrealized appreciation	Unrealized (depreciation)	Net unrealized appreciation/ (depreciation)
Asia Pacific Total Return Bond Fund	\$258,615,304	\$5,733,945	\$(14,545,819)	\$(8,811,874)
Core Bond Fund	3,074,631,523	109,315,815	(1,620,959)	107,694,856
High Yield Fund	264,253,348	7,416,820	(34,705,726)	(27,288,906)
Opportunistic Fixed Income Fund	42,393,391	1,191,776	(6,764)	1,185,012
U.S. High Yield Bond Fund	258,965,524	5,825,942	(10,609,713)	(4,783,771)

**Distribution of income and gains.** Distributions to shareholders from net investment income and net realized gains, if any, are recorded on the ex-date. Core Bond Fund, High Yield Fund and U.S. High Yield Bond Fund generally declare and pay dividends from net investment income quarterly. All other funds generally declare and pay dividends from net investment income annually. All funds generally declare and pay capital gain distributions, if any, annually.

Such distributions, on a tax basis, are determined in conformity with income tax regulations, which may differ from US GAAP. Distributions in excess of tax basis earnings and profits, if any, are reported in the funds' financial statements as a return of capital. The final determination of tax characteristics of the fund's distribution will occur at the end of the year and will subsequently be reported to shareholders.

Capital accounts within the financial statements are adjusted for permanent book-tax differences. These adjustments have no impact on net assets or the results of operations. Temporary book-tax differences, if any, will reverse in a subsequent period. Book-tax differences are primarily attributable to foreign currency transactions, wash sale loss deferrals, derivative transactions, amortization and accretion on debt securities and straddle loss deferrals.

### 3. Derivative instruments

Certain funds may invest in derivatives in order to meet their investment objective. Derivatives include a variety of different instruments that may be traded in the over-the-counter (OTC) market, on a regulated exchange or through a clearing facility. The risks in using derivatives vary depending upon the structure of the instruments, including the use of leverage, optionality, the liquidity or lack of liquidity of the contract, the creditworthiness of the counterparty or clearing organization and the volatility of the position. Some derivatives involve risks that are potentially greater than the risks associated with investing directly in the referenced securities or other referenced underlying instrument. Specifically, the funds are exposed to the risk that the counterparty to an OTC derivatives contract will be unable or unwilling to make timely settlement payments or otherwise honor its obligations. OTC derivatives transactions typically can only be closed out with the other party to the transaction.

Derivatives which are typically traded through the OTC market are regulated by the Commodity Futures Trading Commission (the CFTC). Derivative counterparty risk is managed through an ongoing evaluation of the creditworthiness of all potential counterparties and, if applicable, designated clearing organizations. The funds attempt to reduce their exposure to counterparty risk for derivatives traded in the OTC market, whenever possible, by entering into an International Swaps and Derivatives Association (ISDA) Master Agreement with each of their OTC counterparties. The ISDA gives each party to the agreement the right to terminate all transactions traded under the agreement if there is certain deterioration in the credit quality or contractual default of the other party, as defined in the ISDA. Upon an event of default or a termination of the ISDA, the non-defaulting party has the right to close out all transactions and to net amounts owed.

## Derivative instruments, continued

As defined by the ISDA, the funds may have collateral agreements with certain counterparties to mitigate counterparty risk on OTC derivatives. Subject to established minimum levels, collateral for OTC transactions is generally determined based on the net aggregate unrealized gain or loss on contracts with a particular counterparty. Collateral pledged to the funds, if any, are held in a segregated account by a third-party agent or held by the custodian bank for the benefit of the funds and can be in the form of cash or debt securities issued by the U.S. government or related agencies; collateral posted by the funds, if any, for OTC transactions is held in a segregated account at the funds' custodian and is noted in the accompanying portfolio of investments, or if cash is posted, on the Statements of assets and liabilities. The funds' risk of loss due to counterparty risk is equal to the asset value of outstanding contracts offset by collateral received.

Certain derivatives are traded or cleared on an exchange or central clearinghouse. Exchange-traded or centrally-cleared transactions generally present less counterparty risk to a fund than OTC transactions. The exchange or clearinghouse stands between the funds and the broker to the contract and therefore, credit risk is generally limited to the failure of the exchange or clearinghouse and the clearing member.

Centrally-cleared swap contracts are subject to clearinghouse rules, including initial and variation margin requirements, daily settlement of obligations and the clearinghouse guarantee of payments to the broker. There is, however, still counterparty risk due to the potential insolvency of the broker with respect to any margin held in the brokers' customer accounts. While clearing members are required to segregate customer assets from their own assets, in the event of insolvency, there may be a shortfall in the amount of margin held by the broker for its clients. Collateral or margin requirements for centrally-cleared derivatives are set by the broker or applicable clearinghouse. Margin for centrally-cleared transactions is detailed in the Statements of assets and liabilities as Receivable/Payable for centrally-cleared swaps. Securities pledged by the funds for centrally-cleared transactions, if any, are identified in the Portfolio of investments.

**Futures.** A futures contract is a contractual agreement to buy or sell a particular currency or financial instrument at a pre-determined price in the future. Futures are traded on an exchange and cleared through a central clearinghouse. Risks related to the use of futures contracts include possible illiquidity of the futures markets and contract prices that can be highly volatile and imperfectly correlated to movements in the underlying financial instrument and potential losses in excess of the amounts recognized on the Statements of assets and liabilities. Use of long futures contracts subjects the funds to the risk of loss up to the notional value of the futures contracts. Use of short futures contracts subjects the funds to unlimited risk of loss.

Upon entering into a futures contract, the fund is required to deposit initial margin with the broker in the form of cash or securities. The amount of required margin is set by the broker and is generally based on a percentage of the contract value. The margin deposit must then be maintained at the established level over the life of the contract. Cash that has been pledged by a fund is detailed in the Statements of assets and liabilities as Collateral held at broker for futures contracts. Securities pledged by the funds, if any, are identified in the Portfolio of investments. Subsequent payments, referred to as variation margin, are made or received by a fund periodically and are based on changes in the market value of open futures contracts. Futures contracts are marked-to-market daily and unrealized gain or loss is recorded by the fund. Receivable/Payable for futures variation margin is included in the Statements of assets and liabilities. When the contract is closed, a fund records a realized gain or loss equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed.

The following table details how the funds used futures contracts during the six months ended February 29, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
Asia Pacific Total Return Bond Fund	To manage against anticipated interest rate changes and manage duration.	\$33.4 million to \$33.8 million
High Yield Fund	To manage duration of the portfolio, to manage against anticipated interest rate changes, gain exposure to treasuries market and maintain diversity of the fund.	\$23.6 million to \$32.7 million
Opportunistic Fixed Income Fund	To manage against anticipated interest rate changes, gain exposure to foreign bond markets, gain exposure to treasuries market, maintain diversity of the fund, manage duration and as a substitute for securities purchased. At February 29, 2020, there were no open futures contracts.	Up to \$28.5 million

**Forward foreign currency contracts.** A forward foreign currency contract is an agreement between two parties to buy and sell specific currencies at a price that is set on the date of the contract. The forward contract calls for delivery of the currencies on a future date that is specified in the contract. Forwards are typically traded OTC. Risks related to the use of forwards include the possible failure of counterparties to meet the terms of the forward agreement, the failure of the counterparties to timely post collateral if applicable, and the risk that currency movements will not favor the funds thereby reducing the funds' total return, and the potential for losses in excess of the amounts recognized on the Statements of assets and liabilities.

The market value of a forward foreign currency contract fluctuates with changes in foreign currency exchange rates. Forward foreign currency contracts are marked-to-market daily and the change in value is recorded by the fund as an unrealized gain or loss. Realized gains or losses, equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed, are recorded upon delivery or receipt of the currency or settlement with the counterparty.

The following table details how the funds used forward foreign currency contracts during the six months ended February 29, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
High Yield Fund	To manage against anticipated changes in currency exchange rates, manage currency exposure, and to maintain diversity and liquidity of the fund.	\$2.5 million to \$2.6 million
Opportunistic Fixed Income Fund	To manage against anticipated changes in currency exchange rates, manage currency exposure and maintain diversity of the fund. At February 29, 2020, there were no open forward foreign currency contracts.	Up to \$63.5 million

**Options.** There are two types of options, put options and call options. Options are traded either OTC or on an exchange. A call option gives the purchaser of the option the right to buy (and the seller the obligation to sell) the underlying instrument at the exercise price. A put option gives the purchaser of the option the right to sell (and the writer the obligation to buy) the underlying instrument at the exercise price. Writing puts and buying calls may increase the funds' exposure to changes in the value of the underlying instrument. Buying puts and writing calls may decrease the funds' exposure to such changes. Risks related to the use of options include the loss of premiums, possible illiquidity of the options markets, trading restrictions imposed by an exchange and movements in underlying security values, and for written options, potential losses in excess of the amounts recognized on the Statements of assets and

## Derivative instruments, continued

liabilities. In addition, OTC options are subject to the risks of all OTC derivatives contracts.

When a fund purchases an option, the premium paid is included in the Portfolio of investments and subsequently “marked-to-market” to reflect current market value. If the purchased option expires, a fund realizes a loss equal to the cost of the option. If a fund exercises a call option, the cost of the securities acquired by exercising the call is increased by the premium paid to buy the call. If a fund exercises a put option, it realizes a gain or loss from the sale of the underlying security and the proceeds from such sale are decreased by the premium paid. If a fund enters into a closing sale transaction, it realizes a gain or loss, depending on whether the proceeds from the closing sale are greater or less than the original cost. When a fund writes an option, the premium received is included as a liability and subsequently “marked-to-market” to reflect the current market value of the option written. Premiums received from writing options that expire unexercised are recorded as realized gains. Premiums received from writing options which are exercised or are closed are added to or offset against the proceeds or amount paid on the transaction to determine the realized gain or loss. If a put option on a security is exercised, the premium received reduces the cost basis of the securities purchased by a fund. An interest rate swaption is an option to enter into an interest rate swap.

The following table details how the funds used purchased options contracts during the six months ended February 29, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	Market value range
High Yield Fund	To manage duration of the fund, manage against anticipated interest rate change and anticipated changes in securities markets, to gain exposure to bond market and certain securities markets, and maintain diversity in the fund.	\$6,000 to \$31,000
Opportunistic Fixed Income Fund	To gain exposure to the bond market and foreign currency, manage against anticipated currency exchange rates and interest rate changes, manage duration of the fund, maintain diversity of the fund and as a substitute for securities purchased. At February 29, 2020, there were no open purchased options contracts.	Up to \$51,000

The following table details how the funds used written options contracts during the six months ended February 29, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	Market value range
High Yield Fund	To gain exposure to certain securities markets and as a substitute for securities purchased. At August 31, 2019, there were no open written options contracts.	Up to \$119,000
Opportunistic Fixed Income Fund	To gain exposure to the bond market and foreign currency, manage against anticipated currency exchange rates and interest rate changes, manage duration of the fund, maintain diversity of the fund and as a substitute for securities purchased. At February 29, 2020, there were no open written options contracts.	Up to \$67,000

**Swaps.** Swap agreements are agreements between the fund and a counterparty to exchange cash flows, assets, foreign currencies or market-linked returns at specified intervals. Swap agreements are privately negotiated in the OTC market (OTC swaps) or may be executed on a registered commodities exchange (centrally cleared swaps). Swaps are marked-to-market daily and the change in value is recorded as a component of unrealized appreciation/depreciation of swap contracts. The value of the swap will typically impose collateral posting obligations on the party that is considered out-of-the-money on the swap.

Upfront payments made/received by the funds, if any, are amortized/accreted for financial reporting purposes, with the unamortized/unaccreted portion included in the Statement of assets and liabilities. A termination payment by the counterparty or the funds is recorded as realized gain or loss, as well as the net periodic payments received or paid by the funds.

Entering into swap agreements involves, to varying degrees, elements of credit, market and documentation risk that may provide outcomes that are in excess of the amounts recognized on the Statement of assets and liabilities. Such risks involve the possibility that there will be no liquid market for the swap, or that a counterparty may default on its obligation or delay payment under the swap terms. The counterparty may disagree or contest the terms of the swap. In addition to interest rate risk, market risks may also impact the swap. The funds may also suffer losses if it is unable to terminate or assign outstanding swaps or reduce its exposure through offsetting transactions.

**Interest rate swaps.** Interest rate swaps represent an agreement between the fund and a counterparty to exchange cash flows based on the difference between two interest rates applied to a notional amount. The payment flows are usually netted against each other, with the difference being paid by one party to the other. The funds settles accrued net interest receivable or payable under the swap contracts at specified, future intervals.

The following table details how the funds used interest rate swaps contracts during the six months ended February 29, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
Opportunistic Fixed Income Fund	To manage duration of the fund, manage against anticipated interest rate changes and as a substitute for securities purchased. At February 29, 2020, there were no open interest rate swaps contracts.	Up to \$138.1 million

**Credit default swaps.** Credit default swaps (CDS) involve the exchange of a fixed rate premium (paid by the Buyer), for protection against the loss in value of an underlying debt instrument, referenced entity or index, in the event of a defined credit event (such as payment default or bankruptcy). Under the terms of the swap, one party acts as a “guarantor” (the Seller), receiving the premium and agreeing to contingent payments that are specified within the credit default agreement. The funds may enter into CDS in which it may act as either Buyer or Seller. By acting as the Seller, the funds may incur economic leverage since it would be obligated to pay the Buyer the notional amount of the contract in the event of a default. The amount of loss in such case could be significant, but would typically be reduced by any recovery value on the underlying credit.

### Credit default swaps — Buyer

The following table details how the funds used credit default swap contracts as a buyer during the six months ended February 29, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:



## Derivative instruments, continued

Fund	Reason	USD Notional range
High Yield Fund	To manage against potential credit events, gain exposure to a credit index and as a substitute for securities purchased.	Up to \$744,000
Opportunistic Fixed Income Fund	To manage against potential credit events, gain exposure to a credit index and as a substitute for securities purchased. At February 29, 2020, there were no open credit default swaps — buyer contacts.	Up to \$7.1 million

### Credit default swaps — Seller

Implied credit spreads are utilized in determining the market value of CDS agreements in which the fund is the Seller at period end. The implied credit spread generally represents the yield of the instrument above a credit-risk free rate, such as the U.S. Treasury Bond Yield, and may include upfront payments required to be made to enter into the agreement. It also serves as an indicator of the current status of the payment/performance risk and represents the likelihood or risk of default for the credit derivative. Wider credit spreads represent a deterioration of the referenced entity's creditworthiness and an increased risk of default or other credit event occurring as defined under the terms of the agreement.

For CDS agreements where implied credit spreads are not reported or available, the average credit rating on the underlying index is shown. A deterioration of the referenced entity's creditworthiness would indicate a greater likelihood of a credit event occurring and result in increasing market values, in absolute terms when compared to the notional amount of the swap. The maximum potential amount of future payments (undiscounted) that the fund as the Seller could be required to make under any CDS agreement equals the notional amount of the agreement.

The following table details how the funds used credit default swap contracts as a seller during the six months ended February 29, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
Opportunistic Fixed Income Fund	To take a long position in the exposure of the benchmark credit, gain exposure to a credit index and as a substitute for securities purchased. At February 29, 2020, there were no open credit default swaps — seller contacts.	Up to \$2.9 million

**Currency swaps.** A currency swap is an agreement between the fund and a counterparty to exchange cash flows based on the notional difference among two or more currencies.

The following table details how the funds used currency swap contracts as a seller during the six months ended February 29, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
Opportunistic Fixed Income Fund	To manage against anticipated currency exchange rate changes. At February 29, 2020, there were no open currency swaps contacts.	Up to \$1.0 million

**Total Return Swaps.** The funds may enter into total return swap contracts to obtain synthetic exposure to a specific reference asset or index without owning, taking physical custody of, or short selling the underlying assets. Total return swaps are commitments where one party pays a fixed or variable rate premium (the Buyer) in exchange for a market-linked return (the Seller). The Seller pays the total return of a specific reference asset or index and in return receives interest payments from the Buyer. To the extent the total return of the underlying asset or index exceeds or falls short of the offsetting interest rate obligation, the Buyer will receive or make a payment to the Seller. A fund may enter into total return swaps in which it may act as either the Buyer or the Seller. Total return swap contracts are subject to the risk associated with the investment in the underlying reference asset or index. The risk in the case of short total return swap contracts is unlimited based on the potential for unlimited increases in the market value of the underlying reference asset or index.

The following table details how the funds used total return swaps during the six months ended February 29, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
Opportunistic Fixed Income Fund	As a substitute for securities purchased. At February 29, 2020, there were no open total return swaps contacts.	Up to \$1.0 million

### Fair value of derivative instruments by risk category

The table below summarizes the fair value of derivatives held by the funds at February 29, 2020 by risk category:

Fund	Risk	Statements of assets and liabilities location	Financial instruments location	Assets derivatives fair value	Liabilities derivatives fair value
Asia Pacific Total Return Bond Fund	Interest rate	Receivable/payable for futures variation margin	Futures <sup>1</sup>	—	\$(173,462)
				—	\$(173,462)



## Derivative instruments, continued

Fund	Risk	Statements of assets and liabilities location	Financial instruments location	Assets derivatives fair value	Liabilities derivatives fair value
High Yield Fund	Interest rate	Receivable/payable for futures variation margin	Futures <sup>1</sup>	\$375,293	\$(314,294)
	Currency	Unrealized appreciation / depreciation on forward foreign currency contracts	Forward foreign currency contracts	28,747	(25,053)
	Interest rate	Unaffiliated investments, at value <sup>2</sup>	Purchased options	13,122	—
	Interest rate	Written options, at value	Written options	—	(118,821)
	Credit	Swap contracts, at value	Credit default swaps <sup>3</sup>	4,647	—
				<b>\$421,809</b>	<b>\$(458,168)</b>

<sup>1</sup> Reflects cumulative appreciation/depreciation on futures as disclosed in the Portfolio of investments. Only the period end variation margin is separately disclosed on the Statements of assets and liabilities.

<sup>2</sup> Purchased options are included in the Portfolio of investments.

<sup>3</sup> Reflects cumulative value of swap contracts. Receivable/payable for centrally cleared swaps, which includes value and margin, are shown separately on the Statements of assets and liabilities.

### Effect of derivative instruments on the Statements of operations

The table below summarizes the net realized gain (loss) included in the net increase (decrease) in net assets from operations, classified by derivative instrument and risk category, for the six months ended February 29, 2020:

		Statements of operations location - Net realized gain (loss) on:					
Fund	Risk	Unaffiliated investments and foreign currency transactions <sup>1</sup>	Futures contracts	Forward foreign currency contracts	Written options	Swap contracts	Total
Asia Pacific Total Return Bond Fund	Interest rate	—	\$(47,225)	—	—	—	\$(47,225)
	<b>Total</b>	—	<b>\$(47,225)</b>	—	—	—	<b>\$(47,225)</b>
High Yield Fund	Interest rate	—	\$3,401	—	—	—	\$3,401
	Currency	—	—	\$62,257	—	—	62,257
	Credit	—	—	—	—	\$1,155	1,155
	Equity	\$(51,822)	—	—	—	—	(51,822)
	<b>Total</b>	<b>\$(51,822)</b>	<b>\$3,401</b>	<b>\$62,257</b>	—	<b>\$1,155</b>	<b>\$14,991</b>
Opportunistic Fixed Income Fund	Interest rate	\$(3,253)	\$15,770	—	\$89,830	\$130,768	\$233,115
	Currency	(7,018)	—	\$(535,501)	20,729	(41,066)	(562,856)
	Credit	—	—	—	2,597	(80,292)	(77,695)
	<b>Total</b>	<b>\$(10,271)</b>	<b>\$15,770</b>	<b>\$(535,501)</b>	<b>\$113,156</b>	<b>\$9,410</b>	<b>\$(407,436)</b>

<sup>1</sup> Realized gain/loss associated with purchased options is included in this caption on the Statements of operations.

The table below summarizes the net change in unrealized appreciation (depreciation) included in the net increase (decrease) in net assets from operations, classified by derivative instrument and risk category, for the six months ended February 29, 2020:

		Statements of operations location - Change in net unrealized appreciation (depreciation) of:					
Fund	Risk	Unaffiliated investments and translation of assets and liabilities in foreign currencies <sup>1</sup>	Futures contracts	Forward foreign currency contracts	Written options	Swap contracts	Total
Asia Pacific Total Return Bond Fund	Interest rate	—	\$(169,534)	—	—	—	\$(169,534)
	<b>Total</b>	—	<b>\$(169,534)</b>	—	—	—	<b>\$(169,534)</b>
High Yield Fund	Interest rate	\$(20,561)	\$36,516	—	\$(98,917)	—	\$(82,962)
	Currency	—	—	\$(5,451)	—	—	(5,451)
	Credit	—	—	—	—	\$1,295	1,295
	Equity	5,682	—	—	—	—	5,682
	<b>Total</b>	<b>\$(14,879)</b>	<b>\$36,516</b>	<b>\$(5,451)</b>	<b>\$(98,917)</b>	<b>\$1,295</b>	<b>\$(81,436)</b>

## Derivative instruments, continued

Statements of operations location - Change in net unrealized appreciation (depreciation) of:							
Fund	Risk	Unaffiliated investments and translation of assets and liabilities in foreign currencies <sup>1</sup>	Futures contracts	Forward foreign currency contracts	Written options	Swap contracts	Total
Opportunistic Fixed Income Fund	Interest rate	\$7,088	\$(64,540)	—	\$(21,416)	\$(148,334)	\$(227,202)
	Currency	7,398	—	\$194,733	2,510	16,344	220,985
	Credit	—	—	—	(3,367)	24,981	21,614
	<b>Total</b>	<b>\$14,486</b>	<b>\$(64,540)</b>	<b>\$194,733</b>	<b>\$(22,273)</b>	<b>\$(107,009)</b>	<b>\$15,397</b>

<sup>1</sup> Change in unrealized appreciation/depreciation associated with purchased options is included in this caption on the Statements of operations.

### 4. Guarantees and indemnifications

Under the Trust's organizational documents, its Officers and Trustees are indemnified against certain liabilities arising out of the performance of their duties to the Trust, including the funds. Additionally, in the normal course of business, the Trust enters into contracts with service providers that contain general indemnification clauses. The Trust's maximum exposure under these arrangements is unknown, as this would involve future claims that may be made against the Trust that have not yet occurred. The risk of material loss from such claims is considered remote.

### 5. Fees and transactions with affiliates

John Hancock Investment Management LLC (the Advisor) serves as investment advisor for the funds. John Hancock Investment Management Distributors LLC (the Distributor), an affiliate of the Advisor, serves as principal underwriter of the funds. The Advisor and the Distributor are indirect, wholly owned subsidiaries of Manulife Financial Corporation.

**Management fee.** The funds have an investment management agreement with the Advisor under which the funds pay a monthly management fee to the Advisor equivalent on an annual basis as detailed below. Aggregate net assets generally include the net assets of the funds and the net assets of a similar fund of John Hancock Variable Insurance Trust (JHVIT), unless otherwise noted below. JHVIT funds are advised by an affiliate of the Advisor, John Hancock Variable Trust Advisers LLC, and are distributed by an affiliate of the Advisor, John Hancock Distributors, LLC.

- Asia Pacific Total Return Bond Fund — a) 0.725% of the first \$250 million of average net assets; b) 0.700% of the next 250 million of average net assets and c) 0.600% of the excess over \$500 million of average net assets.
- Core Bond Fund — a) 0.690% of the first \$200 million of aggregate net assets; b) 0.640% of the next \$200 million of aggregate net assets; c) 0.570% of the next \$600 million of aggregate net assets.; d) 0.560% of the next \$1 billion of aggregate net assets; and e) 0.550% of the excess over \$2 billion of aggregate net assets.
- High Yield Fund — a) 0.700% of the first \$500 million of aggregate net assets and b) 0.650% of the excess over \$500 million of aggregate net assets.
- Opportunistic Fixed Income Fund — 0.650% on aggregate net assets. Prior to February 28, 2020, management fee was a) 0.700% of the first \$1 billion of aggregate net assets and b) 0.650% of the excess over \$1 billion of aggregate net assets.
- U.S. High Yield Bond Fund — a) 0.750% of the first \$200 million of average net assets and b) 0.720% of the excess over \$200 million of average net assets.

The organizations described below act as the subadvisors to the Trust and its funds pursuant to Subadvisory Agreements with the Advisor. Fund management is allocated among the following managers:

Fund	Subadvisor(s)
Asia Pacific Total Return Bond Fund	Manulife Investment Management (US) LLC <sup>1</sup>
Opportunistic Fixed Income Fund	Wellington Management Company LLP <sup>2</sup>
Core Bond Fund U.S. High Yield Bond Fund	Wells Capital Management, Incorporated
High Yield Fund	Western Asset Management Company

<sup>1</sup> An affiliate of the Advisor.

<sup>2</sup> Effective February 28, 2020, Wellington Management Company LLP replaced Pacific Investment Management Company LLC as subadvisor.

The funds are not responsible for payment of the subadvisory fees.

**Expense reimbursements.** The Advisor has voluntarily agreed to waive a portion of its management fee if certain expenses of the respective funds exceed the percentage of average net assets as detailed below. Expenses excluded from this waiver are taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the funds' business, management fees, class specific expenses, acquired fund fees and short dividends. This expense reduction will continue in effect until terminated by the Advisor.

Fund	Expense limitation as a percentage of average net assets	Fund	Expense limitation as a percentage of average net assets
Asia Pacific Total Return Bond Fund	0.15%	High Yield Fund	0.15%
Core Bond Fund	0.15%	Opportunistic Fixed Income Fund	0.15%

## Fees and transactions with affiliates, continued

Fund	Expense limitation as a percentage of average net assets
U.S. High Yield Bond Fund	0.15%

The Advisor has contractually agreed to waive a portion of its management fee and/or reimburse expenses for certain funds of the John Hancock group of funds complex, including the fund (the participating portfolios). This waiver is based upon aggregate net assets of all the participating portfolios. The amount of the reimbursement is calculated daily and allocated among all the participating portfolios in proportion to the daily net assets of each fund. During the six months ended February 29, 2020, this waiver amounted to 0.01% of the fund's average daily net assets on an annualized basis. This arrangement expires on July 31, 2021, unless renewed by mutual agreement of the fund and the Advisor based upon a determination that this is appropriate under the circumstances at that time.

For the six months ended February 29, 2020, the expense reductions described above amounted to the following:

Expense Reimbursement by Class			
Fund	Class 1	Class NAV	Total
Asia Pacific Total Return Bond Fund	—	\$11,156	\$11,156
Core Bond Fund	\$6,633	102,331	108,964
High Yield Fund	9,070	—	9,070
Opportunistic Fixed Income Fund	90,467	—	90,467
U.S. High Yield Bond Fund	2,745	6,652	9,397

Expenses waived or reimbursed in the current fiscal period are not subject to recapture in future fiscal periods.

The investment management fees, including the impact of the waivers and reimbursements as described above, incurred for the six months ended February 29, 2020, were equivalent to a net annual effective rate of the funds' average daily net assets as follows:

Fund	Net Annual Effective Rate	Fund	Net Annual Effective Rate
Asia Pacific Total Return Bond Fund	0.71%	Opportunistic Fixed Income Fund	0.27%
Core Bond Fund	0.56%	U.S. High Yield Bond Fund	0.74%
High Yield Fund	0.69%		

**Accounting and legal services.** Pursuant to a service agreement, the funds reimburse the Advisor for all expenses associated with providing the administrative, financial, legal, compliance, accounting and recordkeeping services to the funds, including the preparation of all tax returns, periodic reports to shareholders and regulatory reports, among other services. These expenses are allocated to each share class based on its relative net assets at the time the expense was incurred. These accounting and legal services fees incurred for the six months ended February 29, 2020 amounted to an annual rate of 0.02% of the funds' average daily net assets.

**Distribution and service plans.** The funds have a distribution agreement with the Distributor. The funds have adopted distribution and service plans for certain classes as detailed below pursuant to Rule 12b-1 under the 1940 Act, to pay the Distributor for services provided as the distributor of shares of the funds. The funds may pay up to the following contractual rates of distribution and service fees under these arrangements, expressed as an annual percentage of average daily net assets for each class of the funds' shares:

Class	Rule 12b-1 Fee
Class 1	0.05%

**Trustee expenses.** The funds compensate each Trustee who is not an employee of the Advisor or its affiliates. The costs of paying Trustee compensation and expenses are allocated to each fund based on their net assets relative to other funds within the John Hancock group of funds complex.

## 6. Fund share transactions

Transactions in funds' shares for the six months ended February 29, 2020 and for the year ended August 31, 2019 were as follows:

Asia Pacific Total Return Bond Fund	Six Months Ended 2-29-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
<b>Class NAV shares</b>				
Sold	366,343	\$3,645,723	2,357,811	\$22,559,494
Distributions reinvested	1,187,940	11,534,899	1,069,814	9,927,876
Repurchased	(5,789,696)	(57,335,554)	(9,834,752)	(93,835,766)
<b>Net decrease</b>	<b>(4,235,413)</b>	<b>\$(42,154,932)</b>	<b>(6,407,127)</b>	<b>\$(61,348,396)</b>
<b>Total net decrease</b>	<b>(4,235,413)</b>	<b>\$(42,154,932)</b>	<b>(6,407,127)</b>	<b>\$(61,348,396)</b>
<b>Core Bond Fund</b>				
<b>Class 1 shares</b>				
Sold	1,731,047	\$23,103,446	2,476,833	\$31,829,228
Distributions reinvested	310,372	4,093,228	342,715	4,342,494
Repurchased	(1,033,901)	(13,743,587)	(2,600,640)	(33,029,680)
<b>Net increase</b>	<b>1,007,518</b>	<b>\$13,453,087</b>	<b>218,908</b>	<b>\$3,142,042</b>

## Fund share transactions, continued

Core Bond Fund (continued)	Six Months Ended 2-29-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
<b>Class NAV shares</b>				
Sold	13,664,011	\$180,811,020	122,829,292	\$1,565,914,512
Distributions reinvested	4,864,383	64,043,068	4,144,403	52,735,636
Repurchased	(16,509,913)	(221,144,993)	(49,605,775)	(639,991,485)
<b>Net increase</b>	<b>2,018,481</b>	<b>\$23,709,095</b>	<b>77,367,920</b>	<b>\$978,658,663</b>
<b>Total net increase</b>	<b>3,025,999</b>	<b>\$37,162,182</b>	<b>77,586,828</b>	<b>\$981,800,705</b>
<b>High Yield Fund</b>				
	Six Months Ended 2-29-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
<b>Class 1 shares</b>				
Sold	1,268,518	\$10,257,841	1,520,532	\$12,191,321
Distributions reinvested	933,029	7,499,538	2,030,292	15,929,257
Repurchased	(4,428,505)	(35,582,169)	(6,940,528)	(54,913,514)
<b>Net decrease</b>	<b>(2,226,958)</b>	<b>\$(17,824,790)</b>	<b>(3,389,704)</b>	<b>\$(26,792,936)</b>
<b>Class NAV shares<sup>1</sup></b>				
Sold	—	—	61,648	\$480,103
Distributions reinvested	—	—	626,974	4,816,452
Repurchased	—	—	(17,556,929)	(138,149,496)
<b>Net decrease</b>	<b>—</b>	<b>—</b>	<b>(16,868,307)</b>	<b>\$(132,852,941)</b>
<b>Total net decrease</b>	<b>(2,226,958)</b>	<b>\$(17,824,790)</b>	<b>(20,258,011)</b>	<b>\$(159,645,877)</b>

<sup>1</sup> Class NAV shares were fully redeemed on 3/28/19.

Opportunistic Fixed Income Fund	Six Months Ended 2-29-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
<b>Class 1 shares</b>				
Sold	366,507	\$4,757,938	520,704	\$6,606,636
Distributions reinvested	110,682	1,410,083	52,415	648,896
Repurchased	(766,335)	(10,071,663)	(979,631)	(12,432,894)
<b>Net decrease</b>	<b>(289,146)</b>	<b>\$(3,903,642)</b>	<b>(406,512)</b>	<b>\$(5,177,362)</b>
<b>Class NAV shares<sup>1</sup></b>				
Sold	—	—	48,422	\$604,726
Distributions reinvested	—	—	230,192	2,845,170
Repurchased	—	—	(18,087,028)	(228,474,139)
<b>Net decrease</b>	<b>—</b>	<b>—</b>	<b>(17,808,414)</b>	<b>\$(225,024,243)</b>
<b>Total net decrease</b>	<b>(289,146)</b>	<b>\$(3,903,642)</b>	<b>(18,214,926)</b>	<b>\$(230,201,605)</b>

<sup>1</sup> Class NAV shares were fully redeemed on 4/17/19.

U.S. High Yield Bond Fund	Six Months Ended 2-29-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
<b>Class 1 shares</b>				
Sold	637,951	\$7,136,885	1,118,013	\$12,311,473
Distributions reinvested	193,003	2,152,284	375,923	4,094,406
Repurchased	(963,862)	(10,780,105)	(1,673,286)	(18,424,154)
<b>Net decrease</b>	<b>(132,908)</b>	<b>\$(1,490,936)</b>	<b>(179,350)</b>	<b>\$(2,018,275)</b>
<b>Class NAV shares</b>				
Sold	674,902	\$7,543,823	1,009,198	\$11,090,690
Distributions reinvested	469,435	5,227,793	920,914	10,019,828
Repurchased	(723,540)	(8,034,978)	(3,875,556)	(42,608,023)
<b>Net increase (decrease)</b>	<b>420,797</b>	<b>\$4,736,638</b>	<b>(1,945,444)</b>	<b>\$(21,497,505)</b>
<b>Total net increase (decrease)</b>	<b>287,889</b>	<b>\$3,245,702</b>	<b>(2,124,794)</b>	<b>\$(23,515,780)</b>

Affiliates of the Trust owned 100% of shares of Class 1 and Class NAV, with the exception of Core Bond Fund where affiliates owned 74% of shares of Class NAV on February 29, 2020. Such concentration of shareholders' capital could have a material effect on the fund if such shareholders redeem from the fund.

## 7. Purchase and sale of securities

Purchases and sales of securities, other than short-term investments, amounted to the following for the six months ended February 29, 2020:

Fund	Purchases		Sales	
	U.S. Government	Other issuers	U.S. Government	Other issuers
Asia Pacific Total Return Bond Fund	\$18,395,414	\$47,209,454	\$37,989,141	\$93,381,655

## Purchase and sale of securities, continued

Fund	Purchases		Sales	
	U.S. Government	Other issuers	U.S. Government	Other issuers
Core Bond Fund	\$3,427,547,271	\$1,729,705,722	\$3,579,767,687	\$1,567,631,290
High Yield Fund	—	76,301,240	—	90,310,033
Opportunistic Fixed Income Fund	38,257,671	18,773,053	3,376,626	61,241,472
U.S. High Yield Bond Fund	—	97,932,978	—	104,041,938

## 8. Industry or sector risk

Certain funds generally invest a large percentage of their assets in one or more particular industries or sectors of the economy. If a large percentage of a fund's assets are economically tied to a single or small number of industries or sectors of the economy, the fund will be less diversified than a more broadly diversified fund, and it may cause the fund to underperform if that industry or sector underperforms. In addition, focusing on a particular industry or sector may make the fund's NAV more volatile. Further, a fund that invests in particular industries or sectors is particularly susceptible to the impact of market, economic, regulatory and other factors affecting those industries or sectors. Financial services companies can be hurt by economic declines, changes in interest rates regulatory and market impacts.

## 9. 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 funds' fiscal year to date purchases and sales of the affiliated underlying funds as well as income and capital gains earned by the funds, 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	
<b>Core Bond Fund</b>									
John Hancock Collateral Trust*	166,775	\$1,019,314	\$5,366,145	\$(4,716,745)	\$140	\$384	\$2,258	—	\$1,669,238
<b>High Yield Fund</b>									
John Hancock Collateral Trust*	626,132	\$877,204	\$18,291,049	\$(12,902,524)	\$(494)	\$1,661	\$15,825	—	\$6,266,896
<b>U.S. High Yield Bond Fund</b>									
John Hancock Collateral Trust*	1,631,217	\$12,857,869	\$42,999,716	\$(39,534,538)	\$1,611	\$2,027	\$59,233	—	\$16,326,685

\* Refer to the Securities lending note within Note 2 for details regarding this investment.

## 10. Investment by affiliated funds

Certain investors in the funds are affiliated funds that are managed by the Advisor and its affiliates. The affiliated funds do not invest in the funds for the purpose of exercising management or control; however, this investment may represent a significant portion of the funds' net assets. The following fund(s) had an affiliate ownership of 5% or more of the funds' net assets:

Fund	Affiliated Concentration
Asia Pacific Total Return Bond Fund	100.0%
Core Bond Fund	74.0%
U.S. High Yield Bond Fund	71.4%

## 11. Interfund trading

The funds are permitted to purchase or sell securities from or to certain other affiliated funds, as set forth in Rule 17a-7 of the 1940 Act, under specified conditions outlined in procedures adopted by the Board of Trustees of the Trust. The procedures have been designed to ensure that any purchase or sale of securities by the funds from or to another fund that is or could be considered an affiliate complies with Rule 17a-7 of the 1940 Act. Further, as defined under the procedures, each transaction is effected at the current market price. Pursuant to these procedures, for the six months ended February 29, 2020, the funds engaged in securities purchases and sales with affiliated funds, some of which have different fiscal reporting periods, as follows:

Fund	Purchases	Sales
Opportunistic Fixed Income Fund	\$325,632	\$10,489,027
U.S. High Yield Bond Fund	\$1,250,547	-

## 12. Restricted securities

The funds may hold restricted securities which are restricted as to resale and the funds have limited rights to registration under the Securities Act of 1933. Disposal may involve time-consuming negotiations and expenses, and prompt sale at an acceptable price may be difficult to achieve. The following table summarizes the restricted securities held at February 29, 2020:

## Restricted securities, continued

Issuer, Description	Original acquisition date	Acquisition cost	Beginning share amount	Shares purchased	Shares sold	Ending share amount	Value as a percentage of net assets	Ending value
<b>High Yield Fund</b>								
KCAD Holdings I, Ltd.	3-21-11	\$6,150,520	752,218,031	—	—	752,218,031	0.0%*	\$752
MWO Holdings LLC	8-30-16	1,116,559	1,134	—	—	1,134	0.0%*	65,851
New Cotai, Inc., Class B	4-12-13	—	11	—	—	11	0.0%	—
								<b>\$66,603</b>

\* Less than 0.05%.

### 13. LIBOR discontinuation risk

LIBOR (London Interbank Offered Rate) is a measure of the average interest rate at which major global banks can borrow from one another. Following allegations of rate manipulation and concerns regarding its thin liquidity, in July 2017, the U.K. Financial Conduct Authority, which regulates LIBOR, announced that it will stop encouraging banks to provide the quotations needed to sustain LIBOR after 2021. This event will likely cause LIBOR to cease to be published. Before then, it is expected that market participants will transition to the use of different reference or benchmark rates. However, although regulators have suggested alternative rates, there is currently no definitive information regarding the future utilization of LIBOR or of any replacement rate.

It is uncertain what impact the discontinuation of LIBOR will have on the use of LIBOR as a reference rate for securities in which the fund invests. It is expected that market participants will amend financial instruments referencing LIBOR to include fallback provisions and other measures that contemplate the discontinuation of LIBOR or other similar market disruption events, but neither the effect of the transition process nor the viability of such measures is known. In addition, there are obstacles to converting certain longer term securities and transactions to a new benchmark or benchmarks and the effectiveness of one alternative reference rate versus multiple alternative reference rates in new or existing financial instruments and products has not been determined. As market participants transition away from LIBOR, LIBOR's usefulness may deteriorate, which could occur prior to the end of 2021. The transition process may lead to increased volatility and illiquidity in markets that currently rely on LIBOR to determine interest rates. LIBOR's deterioration may adversely affect the liquidity and/or market value of securities that use LIBOR as a benchmark interest rate.

### 14. Other matters

In or around May 2015, certain John Hancock Funds, including U.S. High Yield Bond Fund, were served with a complaint brought by the Motors Liquidation Avoidance Action Trust (the "Motors Trust"). The complaint seeks disgorgement of certain amounts paid to the Term Loan Lenders as holders of indebtedness issued by General Motors pursuant to a \$1.5 billion term loan, dated as of November 29, 2006 (as amended, the "Term Loan"). The litigation has now been settled resulting in no payments by the fund. As part of the settlement, the fund received payment of \$107,429 representing reimbursement of approximately 73% of the legal fees incurred.

### 15. Subsequent events

A widespread health crisis such as a global pandemic could cause substantial market volatility, exchange trading suspensions and closures, impact the ability to complete redemptions, and affect fund performance. For example, the novel coronavirus disease (COVID-19) has resulted in significant disruptions to global business activity. The impact of a health crisis and other epidemics and pandemics that may arise in the future, could affect the global economy in ways that cannot necessarily be foreseen at the present time. A health crisis may exacerbate other pre-existing political, social and economic risks. Any such impact could adversely affect the funds' performance, resulting in losses to your investment.



# John Hancock Funds II

## For more information

---

The Statement of Additional Information, a separate document with supplemental information not contained in the prospectus, includes additional information on the Board of Trustees and can be obtained without charge by calling 800-344-1029 or on the Securities and Exchange Commission (SEC) website at [sec.gov](http://sec.gov).

**PROXY VOTING POLICY** A description of the trust's proxy voting policies and procedures and information regarding how the trust voted proxies relating to portfolio securities during the most recent twelve-month period ended June 30 is available without charge, upon request, by calling 800-344-1029 or on the SEC website at [sec.gov](http://sec.gov).

**QUARTERLY PORTFOLIO DISCLOSURE** All of the trust's holdings as of the end of the third month of every fiscal quarter are filed with the SEC on Form N-PORT within 60 days of the end of the fiscal quarter. The trust's Form N-PORT filings are available electronically on the SEC website ([sec.gov](http://sec.gov)).

The report is certified under the Sarbanes-Oxley Act, which requires mutual funds and other public companies to affirm that, to the best of their knowledge, the information in their financial reports is fairly and accurately stated in all material respects.

## Management of the trust

### *Trustees*

Hassell H. McClellan, Chairperson  
Steven R. Pruchansky, Vice Chairperson  
Andrew G. Arnott†  
Charles L. Bardelis\*  
James R. Boyle  
Peter S. Burgess\*  
William H. Cunningham  
Grace K. Fey  
Marianne Harrison†  
Deborah C. Jackson  
James M. Oates\*  
Gregory A. Russo

### *Officers*

Andrew G. Arnott, President  
Francis V. Knox, Jr., Chief Compliance Officer  
Charles A. Rizzo, Chief Financial Officer  
Salvatore Schiavone, Treasurer  
Christopher (Kit) Sechler, Secretary and  
Chief Legal Officer

\* Member of the Audit Committee

† Non-Independent Trustee

### *Principal distributor*

John Hancock Investment  
Management Distributors LLC

### *Custodians*

Citibank, N.A.  
State Street Bank and Trust Company

### *Legal counsel*

K&L Gates LLP

## Investment advisor

John Hancock Investment Management LLC  
Boston, Massachusetts

 Investment Management

200 Berkeley Street  
Boston MA 02116-5010