

**John Hancock Variable Insurance Trust (the “Trust”)
Supplement dated June 25, 2020 to the current
Prospectus, as may be supplemented (the “Prospectus”)**

Blue Chip Growth Trust (the “fund”)

The information found under “Fees and expenses” and “Expense example” in the fund summary is amended and restated as follows to reflect the new advisory fee schedule, which will become effective on or about July 1, 2020:

Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Annual fund operating expenses (%) (expenses that you pay each year as a percentage of the value of your investment)	Series I	Series II	Series NAV
Management fee ¹	0.74	0.74	0.74
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.04	0.04	0.04
Total annual fund operating expenses	0.83	1.03	0.78
Contractual expense reimbursement ²	-0.01	-0.01	-0.01
Total annual fund operating expenses after expense reimbursements	0.82	1.02	0.77

¹ "Management fee" has been restated to reflect the contractual management fee schedule effective July 1, 2020.

² The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on July 31, 2022, 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.

Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

Expenses (\$)	Series I	Series II	Series NAV
1 year	84	104	79
3 years	264	327	248
5 years	460	568	432
10 years	1,024	1,259	965

Effective on or about July 1, 2020, the advisory fee schedule for the fund, as shown in “Appendix A Schedule of Management Fees,” is revised and restated as follows:

- 0.825% first \$500 million;
- 0.800% between \$500 million and \$1 billion;[#]
- 0.750% between \$1 billion and \$3 billion; and
- 0.725% excess over \$3 billion.[†]

[#]When Aggregate Net Assets exceed \$1 billion on any day, the annual rate of advisory fee for that day is 0.750% on the first \$1 billion of Aggregate Net Assets.

[†]The fee schedule above will become effective on or about July 1, 2020.

Equity Income Trust (the “fund”)

The information found under “Fees and expenses” and “Expense example” in the fund summary is amended and restated as follows to reflect the new advisory fee schedule, which became effective as of May 1, 2020:

Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Annual fund operating expenses (%) (expenses that you pay each year as a percentage of the value of your investment)	Series I	Series II	Series NAV
Management fee ¹	0.69	0.69	0.69
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
Total annual fund operating expenses	0.79	0.99	0.74
Contractual expense reimbursement ²	-0.01	-0.01	-0.01
Total annual fund operating expenses after expense reimbursements	0.78	0.98	0.73

¹ "Management fee" has been restated to reflect the contractual management fee schedule effective May 1, 2020.

² The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on July 31, 2022, 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.

Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund’s operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

Expenses (\$)	Series I	Series II	Series NAV
1 year	80	100	75
3 years	251	314	236
5 years	438	546	410
10 years	977	1,212	917

Effective May 1, 2020, the advisory fee schedule for the fund, as shown in "Appendix A Schedule of Management Fees," is revised and restated as follows:

- 0.800% first \$100 million;
- 0.775% between \$100 million and \$200 million;[#]
- 0.750% between \$200 million and \$500 million;^{##}
- 0.725% between \$500 million and \$1 billion;^{###}
- 0.725% between \$1 billion and \$1.5 billion;^{####}
- 0.700% between \$1.5 billion and \$2 billion;^{#####}
- 0.695% between \$2 billion and \$3 billion;^{#####}
- 0.690% between \$3 billion and \$4 billion;^{#####}
- 0.680% between \$4 billion and \$5.5 billion;^{#####}
- 0.675% between \$5.5 billion and \$7.5 billion; and^{#####}
- 0.670% excess over \$7.5 billion.[†]

[#]When Aggregate Net Assets exceed \$200 million on any day, the annual rate of advisory fee for that day is 0.775% on the first \$200 million of Aggregate Net Assets.

^{##}When Aggregate Net Assets exceed \$500 million on any day, the annual rate of advisory fee for that day is 0.750% on the first \$500 million of Aggregate Net Assets and 0.725% on the amount above \$500 million.

^{###}When Aggregate Net Assets exceed \$1 billion on any day, the annual rate of advisory fee for that day is 0.725% on the first \$1 billion of Aggregate Net Assets.

^{####}When Aggregate Net Assets exceed \$1.5 billion on any day, the annual rate of advisory fee for that day is 0.700% on the first \$1.5 billion of Aggregate Net Assets.

^{#####}When Aggregate Net Assets exceed \$2 billion on any day, the annual rate of advisory fee for that day is 0.695% on the first \$2 billion of Aggregate Net Assets.

^{#####}When Aggregate Net Assets exceed \$3 billion on any day, the annual rate of advisory fee for that day is 0.690% on the first \$3 billion of Aggregate Net Assets.

^{#####}When Aggregate Net Assets exceed \$4 billion on any day, the annual rate of advisory fee for that day is 0.680% on the first \$4 billion of Aggregate Net Assets.

^{#####}When Aggregate Net Assets exceed \$5.5 billion on any day, the annual rate of advisory fee for that day is 0.675% on the first \$5.5 billion of Aggregate Net Assets.

^{#####}When Aggregate Net Assets exceed \$7.5 billion on any day, the annual rate of advisory fee for that day is 0.670% on the first \$7.5 billion of Aggregate Net Assets.

[†]The fee schedule above became effective on May 1, 2020.

**Global Equity Trust (formerly Mutual Shares Trust)
Global Trust**

At a meeting held on June 23-25, 2020, the Board of Trustees of John Hancock Variable Insurance Trust (the “Board”) approved an Agreement and Plan of Reorganization providing for the following fund reorganization:

<u>Acquired Fund</u>	<u>Acquiring Fund</u>
Global Equity Trust (formerly Mutual Shares Trust)	Global Trust

A meeting of the shareholders of the Acquired Fund has been scheduled for Wednesday, September 23, 2020, to seek approval of its reorganization. Subject to regulatory and shareholder approval, the reorganization is scheduled to occur immediately after the close of business on or about Friday, November 6, 2020.

The foregoing is not an offer to sell, nor a solicitation of an offer to buy, shares of any funds, nor is it a solicitation of any proxy. For important information regarding any of these reorganizations, or to receive a free copy of a proxy statement/prospectus relating to the proposed merger, once it is available, please call the appropriate phone number listed below. The proxy statement/prospectus contains important information about fund objectives, strategies, fees, expenses and risk considerations. The proxy statement/prospectus is also available for free on the SEC’s website (www.sec.gov). Please read the proxy statement/prospectus carefully before making any decision to invest or when considering a merger proposal.

- For John Hancock Life Insurance Company (U.S.A.) variable annuity contracts: (800) 344-1029
- For John Hancock Life Insurance Company (U.S.A.) variable life contracts: (800) 827-4546
- For John Hancock Life Insurance Company of New York variable annuity contracts: (800) 551-2078
- For John Hancock Life Insurance Company of New York variable life contracts: (888) 267-7784

High Yield Trust (the “fund”)

On June 25, 2020, the Board approved (i) a new subadvisory agreement between John Hancock Variable Trust Advisers LLC and Western Asset Management Company, LLC (“WAMCO”) and (ii) a new sub-subadvisory agreement between WAMCO and Western Asset Management Company Limited (“WAMCL”) with respect to the fund (together, the “Agreements”). The Agreements were approved in connection with the acquisition (the “Acquisition”) by Franklin Resources, Inc. of Legg Mason, Inc., the parent company of WAMCO and WAMCL, the current subadvisor and sub-subadvisor to the fund. The Agreements will become effective on the closing date of the Acquisition, which is expected to be on or about August 1, 2020. Following the Acquisition, no changes are anticipated in the personnel managing the fund or in the level of services provided to the fund.

Opportunistic Fixed Income Trust (formerly Global Bond Fund) (the “fund”)

Effective on or about July 1, 2020, the advisory fee schedule for the fund, as shown in “Appendix A Schedule of Management Fees,” is revised and restated as follows:

0.650% first \$1 billion; and
0.625% excess over \$1 billion.†

†The fee schedule above will become effective on or about July 1, 2020.

Small Cap Value Trust (the “fund”)

The information found under “Fees and expenses” and “Expense example” in the fund summary is amended and restated as follows to reflect the new advisory fee schedule, which will become effective on or about July 1, 2020:

Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Annual fund operating expenses (%) (expenses that you pay each year as a percentage of the value of your investment)	Series I	Series II	Series NAV
Management fee ¹	0.94	0.94	0.94
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.06	0.06	0.06
Acquired fund fees and expenses ²	0.11	0.11	0.11
Total annual fund operating expenses³	1.16	1.36	1.11
Contractual expense reimbursement ⁴	-0.01	-0.01	-0.01
Total annual fund operating expenses after expense reimbursements	1.15	1.35	1.10

¹ "Management fee" has been restated to reflect the contractual management fee schedule effective July 1, 2020.

² "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

³ The "Total annual fund operating expenses" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

⁴ The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on July 31, 2022, 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.

Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

Expenses (\$)	Series I	Series II	Series NAV
1 year	117	137	112
3 years	367	430	352
5 years	637	744	611
10 years	1,408	1,634	1,351

In addition, effective on or about July 1, 2020, the advisory fee schedule for the fund, as shown in “Appendix A Schedule of Management Fees,” is revised and restated as follows:

- 0.950% first \$250 million;
- 0.940% next \$500 million;
- 0.930% next \$500 million; and
- 0.920% excess over \$1.25 billion.[†]

[†]The fee schedule above will become effective on or about July 1, 2020.

You should read this supplement in conjunction with the Prospectus and retain it for future reference.

The following notice provides important information about the recent change in the management of your fund.
If you have any questions, please call John Hancock at the appropriate toll-free number set forth below.

IMPORTANT NOTICE OF INTERNET AVAILABILITY OF INFORMATION STATEMENT

Relating to

DISCIPLINED VALUE INTERNATIONAL TRUST (FORMERLY, INTERNATIONAL VALUE TRUST)

a series of John Hancock Variable Insurance Trust

200 Berkeley Street
Boston, Massachusetts 02116
Telephone: 1-800-344-1029

This communication (the “Notice”) presents only an overview of a more complete Information Statement that is available to you on the internet relating to Disciplined Value International Trust (formerly, International Value Trust) (the “Fund”), a series of John Hancock Variable Insurance Trust (the “Trust” or “JHVIT”). Although you are not a shareholder of JHVIT, your purchase payments and the earnings on such payments under your variable annuity or variable life insurance contracts issued by John Hancock Life Insurance Company (U.S.A.) (“John Hancock USA”) or John Hancock Life Insurance Company of New York (“John Hancock NY”) are invested in subaccounts of separate accounts established by these insurance companies. Each subaccount invests in shares of a JHVIT fund, including the Fund. We encourage you to access and review all of the important information contained in the Information Statement.

The Information Statement details a subadvisor change relating to the Fund that took effect on February 12, 2020. At an in-person meeting held on December 10-12, 2019, pursuant to the recommendation of John Hancock Variable Trust Advisers LLC (the “Advisor”), the Board of Trustees of the Trust (the “Board”) approved a new subadvisory agreement appointing Boston Partners Global Investors, Inc. (“Boston Partners”) as subadvisor to the Fund. At the same time, the Board approved the termination of Templeton Investment Counsel, LLC (“Templeton”) as subadvisor to the Fund and Templeton Global Advisors Limited as sub-subadvisor to the Fund. After a thorough review of management’s recommendation, the Board appointed Boston Partners to manage the Fund’s portfolio.

The appointment of Boston Partners as the Fund’s subadvisor was effected in accordance with an exemptive order (the “Order”) that the U.S Securities and Exchange Commission granted to the Trust permitting the Advisor to enter into and materially amend subadvisory agreements with unaffiliated subadvisors solely with Board approval, subject to certain conditions, and without obtaining shareholder approval. Consequently, the Trust is not soliciting proxies to approve this change. The Order does, however, require that an information statement be provided to you containing much of the same information that would have been included in a proxy statement soliciting approval of the new subadvisory agreement with Boston Partners. In lieu of physical delivery of the Information Statement (other than on request as described below), JHVIT will make the Information Statement available to you online.

The Information Statement will be available to review on the Fund’s Website at https://www.johnhancock.com/content/dam/onejohnhancock/pdfs/xbrl/Notice_Re_DVI.pdf until 90 days from the date the *Notice* is first distributed. A paper or email copy of the Information Statement may be obtained, without charge, by contacting the appropriate toll-free number below no later than 90 days from the date the *Notice* is first distributed:

- For John Hancock USA variable annuity contracts: (800) 344-1029
- For John Hancock USA variable life contracts: (800) 827-4546

—For John Hancock NY variable annuity contracts: (800) 551-2078

—For John Hancock NY variable life contracts: (888) 267-7784

If you want to receive a paper or email copy of the Information Statement free of charge, you must request one no later than 90 days from the date the *Notice* is first distributed. There is no charge to you for requesting a copy.

JHVIT Discipline Intl Trust 5/12/2020

The following notice provides important information about the recent change in the management of your fund.
If you have any questions, please call John Hancock at the appropriate toll-free number set forth below.

IMPORTANT NOTICE OF INTERNET AVAILABILITY OF INFORMATION STATEMENT

Relating to

OPPORTUNISTIC FIXED INCOME TRUST (FORMERLY, GLOBAL BOND TRUST)

a series of John Hancock Variable Insurance Trust

200 Berkeley Street

Boston, Massachusetts 02116

Telephone: 1-800-344-1029

This communication (the “Notice”) presents only an overview of a more complete Information Statement that is available to you on the internet relating to Opportunistic Fixed Income Trust (formerly, Global Bond Trust) (the “Fund”), a series of John Hancock Variable Insurance Trust (the “Trust” or “JHVIT”). Although you are not a shareholder of JHVIT, your purchase payments and the earnings on such payments under your variable annuity or variable life insurance contracts issued by John Hancock Life Insurance Company (U.S.A.) (“John Hancock USA”) or John Hancock Life Insurance Company of New York (“John Hancock NY”) are invested in subaccounts of separate accounts established by these insurance companies. Each subaccount invests in shares of a JHVIT fund, including the Fund. We encourage you to access and review all of the important information contained in the Information Statement.

The Information Statement details a subadvisor change relating to the Fund that took effect on February 28, 2020. At an in-person meeting held on December 10-12, 2019, pursuant to the recommendation of John Hancock Variable Trust Advisers LLC (the “Advisor”), the Board of Trustees of the Trust (the “Board”) approved an amendment to the subadvisory agreement dated January 29, 1999 appointing Wellington Management Company LLC (“Wellington”) as subadvisor to the Fund. At the same time, the Board approved the termination of Pacific Investment Management Company LLC (“PIMCO”) as subadvisor to the Fund. After a thorough review of management’s recommendation, the Board appointed Wellington to manage the Fund’s portfolio.

The appointment of Wellington as the Fund’s subadvisor was effected in accordance with an exemptive order (the “Order”) that the U.S Securities and Exchange Commission granted to the Trust permitting the Advisor to enter into and materially amend subadvisory agreements with unaffiliated subadvisors solely with Board approval, subject to certain conditions, and without obtaining shareholder approval. Consequently, the Trust is not soliciting proxies to approve this change. The Order does, however, require that an information statement be provided to you containing much of the same information that would have been included in a proxy statement soliciting approval of the new subadvisory agreement with Wellington. In lieu of physical delivery of the Information Statement (other than on request as described below), JHVIT will make the Information Statement available to you online.

The Information Statement will be available to review on the Fund’s Website at https://www.johnhancock.com/content/dam/onejohnhancock/pdfs/xbrl/Notice_Re_OFI.pdf until 90 days from the date the *Notice* is first distributed. A paper or email copy of the Information Statement may be obtained, without charge, by contacting the appropriate toll-free number below no later than 90 days from the date the *Notice* is first distributed:

- For John Hancock USA variable annuity contracts: (800) 344-1029
- For John Hancock USA variable life contracts: (800) 827-4546
- For John Hancock NY variable annuity contracts: (800) 551-2078

—For John Hancock NY variable life contracts:

(888) 267-7784

If you want to receive a paper or email copy of the Information Statement free of charge, you must request one no later than 90 days from the date the *Notice* is first distributed. There is no charge to you for requesting a copy.

JHVIT Opp Fixed income trust 5/12/2020