

JHVIT International Small Company II Portfolio

Available in Thrivent Retirement Choice Variable Annuity

Benchmark
MSCI World Ex USA Small Cap
NR USD

Morningstar Category
Foreign Small/Mid Blend

Investment Information

The investment seeks long-term capital appreciation. Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in securities of small cap companies in the particular markets in which the fund invests.

Annual Net Operating Expenses as of 05-01-23

Mortality and Expense(M&E)	1.25%
12b-1 Fee	0.25%
Prospectus Gross Expense Ratio	1.27%
Prospectus Net Expense Ratio	1.27%

Waiver Data	Type	Exp. Date	%
—	—	—	—

Portfolio Manager(s)

Jed Fogdall. Since 2010.
Arun Keswani. Since 2015.
Joel Schneider. Since 2022.

Operations and Management

Fund Inception Date	07-01-20
Initial Class Inception Date	04-28-06
Advisor	John Hancock Variable Trust Advisers LLC
Subadvisor	Dimensional Fund Advisors LP

Risk Evaluation

3-Yr Risk Measures as of 06-30-23	Port Avg	Bmark	Cat Avg
Standard Deviation	18.92	18.85	18.47
Sharpe Ratio	0.35	0.34	0.40
Information Ratio	0.12	—	0.35
R-Squared	97.85	—	97.08
Beta	0.99	—	0.97
Alpha	0.37	—	1.20

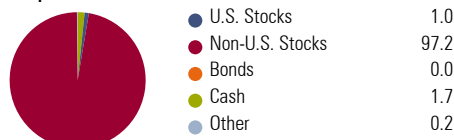
Volatility Analysis



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

Portfolio Analysis

Composition as of 05-31-23



Top 10 Holdings as of 05-31-23

MSCI EAFE NTR (USD) - Stnd Index	06-20-23	% Assets
BE Semiconductor Industries NV		0.33
Swiss Prime Site AG		0.33
Banco de Sabadell SA		0.30
Alamos Gold Inc Class A		0.29
Baloise Holding AG		0.29
Banco BPM SpA		0.28
Georg Fischer AG		0.27
Belimo Holding AG		0.26
Helvetia Holding AG		0.26

Total Number of Stock Holdings	2994
Total Number of Bond Holdings	0
Annual Turnover Ratio %	20
Total Fund Assets (\$mil)	100.00

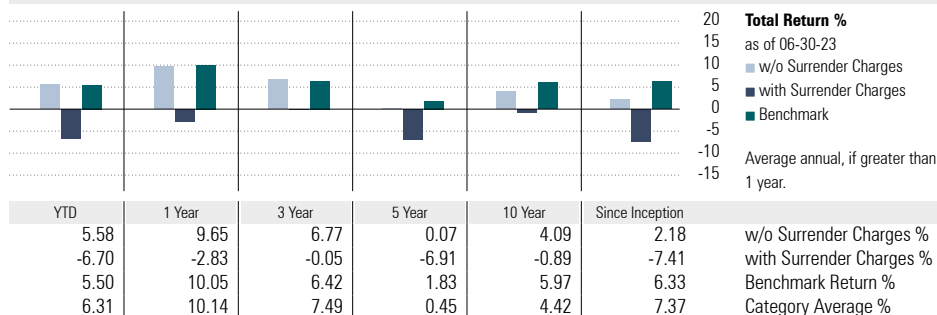
Morningstar Equity Style Box™ as of 05-31-23

Value	Blend	Growth	Large	Mid	Small	% Mkt Cap
						0.34
						0.72
						40.81
						48.35
						9.77

Morningstar World Regions as of 05-31-23

	% Fund
Americas	11.79
North America	11.72
Latin America	0.07
Greater Europe	53.54
United Kingdom	11.60
Europe Developed	40.38
Europe Emerging	0.14
Africa/Middle East	1.42
Greater Asia	34.67
Japan	24.69
Australasia	6.57
Asia Developed	3.00
Asia Emerging	0.40

Performance



Annualized total returns are based on the change in unit values at the portfolio level for the time period mentioned.

All data represents past performance and does not guarantee future results. The past performance shown is based on the change in unit values of the Portfolios, and effects of compounding. The performance returns are based solely on the increase or decrease in the value of these units. Both the investment return and the principal value of an investment fluctuate so that units, when redeemed, may be worth more or less than the original investment. Investing involves risk, including the possible loss of principal. The prospectus and summary prospectuses of the variable annuity contract and underlying investment options contain more information on the investment objectives, risks, charges and expenses, which investors should read carefully and consider before investing. For performance results current to the most recent month-end, please contact your financial professional or visit thrivent.com.

Investing in international securities involves special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks. Medium-sized companies often have greater price volatility, lower trading volume, and less liquidity than larger, more established companies. The Portfolio's value is influenced by a number of factors, including the performance of the broader market, and risks specific to the Portfolio's asset classes, investment styles, and issuers. The use of derivatives such as futures involves additional risks. These and other risks are described in the prospectus.

Glossary of Terms

(Not all terms appropriate for this specific portfolio.)

Alpha is a measure of the difference between a portfolio's actual returns and its expected performance, given its level of risk as measured by beta.

Annual Net Operating Expenses includes the fees and expenses associated with the underlying portfolio.

Beta is a measure of a portfolio's sensitivity to market movements.

Credit Analysis For corporate-bond and municipal bond funds, the credit analysis depicts the quality of the U.S. and non-U.S. issuers of the underlying bonds in the fund's portfolio. Credit quality can influence the returns of portfolios that invest heavily in bonds. The Credit Analysis graph shows the percentage of fund assets that are invested in each of the major credit ratings, as determined by Standard & Poor's or Moody's. At the top of the ratings are AAA bonds. Bonds within a BBB rating are the lowest bonds that are still considered to be of investment grade. Bonds that are rated at or lower than BB (often called junk bonds or high-yield bonds) are considered to be quite speculative and are more risky than higher-rated credits. Any bonds that appear in the NR/NA category are either not rated by Standard & Poor's or Moody's or did not have a rating available. These ratings are subject to change. These ratings apply only to the credit worthiness of the issuers of the underlying securities and do not apply to any fund or its shares.

Duration is a measure of a portfolio's sensitivity to changes in interest rates; the longer the portfolio's duration, the more sensitive it is.

Expense Ratio is the percentage of portfolio assets used to pay for operating expenses and management fees, including 12b-1 fees, administrative fees and all other asset-based costs incurred by the portfolio.

Geometric average cap is the geometric mean of the market capitalization for all the stocks the portfolio owned.

Inception date is when the investment option became part of the separate account.

Income ratio is calculated by dividing the portfolio's net investment income by its NAV (net average value). The portfolio's year-end income ratio reveals the percentage of current income earned per share.

Information ratio is a risk-adjusted performance measure. The information ratio is a special version of the Sharpe ratio in that the benchmark doesn't have to be the risk-free rate.

Market capitalization is a measure of the size of the companies held in the portfolio, calculated by multiplying a company's total outstanding shares by the stock price. Market cap ranges change as stock market valuations shift over time. In general, market cap ranges of approximately \$1-\$5 billion represent small cap stocks, \$5-\$15 billion represent mid cap stocks and greater than \$15 billion represent large cap stocks.

• **Weighted average market capitalization** is the average size of the companies held in the portfolio, based on the

market value of each company's stock, weighted by the position size.

• **Median market capitalization** is the median size of the companies held in the portfolio. The median market cap is the midpoint; half of the companies held in the portfolio are larger and half are smaller than the median.

Maturity is the average effective maturity, which is a weighted average of all the maturities of the bonds in a portfolio, computed by weighting each maturity date by the market value of the security.

Morningstar Style Box™ reveals a portfolio's investment style. For equity funds the vertical axis shows the market capitalization of the long stocks owned and the horizontal axis shows investment style (value, blend, or growth). For fixed-income funds, the vertical axis shows the credit quality of the long bonds owned and the horizontal axis shows interest rate sensitivity as measured by a bond's effective duration.

Mortality and Expense (M&E) is the percentage of the portfolio's assets that the insurance company deducts to cover costs associated with mortality and expense risk.

Price/Book (P/B) ratio is the weighted average of the price/book ratios of all the stocks in a portfolio. The P/B ratio is calculated by dividing the market price of its stock by the company's per-share book value.

Price/Cash (P/C) ratio represents the weighted average of the price/cash-flow ratios of the stocks in a portfolio. It shows the ability of a business to generate cash and acts as a gauge of liquidity and solvency.

Price/Earnings (P/E) ratio is a stock's current price divided by the company's trailing 12-month earnings per share.

R-squared reflects the percentage of a portfolio's movements that can be explained by movements in its benchmark.

Return on Equity (ROE) is a measure of corporate profitability that shows how much net income the companies in the portfolio have generated as a percentage of shareholder equity.

Risk potential is categorized into five levels: Conservative, Moderately Conservative, Moderate, Moderately Aggressive, and Aggressive, ranking from lower risk potential to higher risk potential. Portfolios on the lower risk portion of the scale (Conservative, Moderately Conservative) are expected to have a lower degree of volatility and price fluctuations, while those on the higher risk portion of the scale (Aggressive, Moderately Aggressive) are expected to have a higher degree of volatility and price fluctuations.

Sharpe ratio uses standard deviation and excess return to determine reward per unit of risk.

Standard deviation is a statistical measure of the volatility of the portfolio's returns.

Turnover ratio of a portfolio is a decent proxy for how frequently a manager trades his or her portfolio.

Morningstar Category

Foreign small/mid-blend portfolios invest in a variety of international stocks that are smaller. These portfolios primarily invest in stocks that fall in the bottom 30% of each economically integrated market (such as Europe or Asia ex-Japan). The blend style is assigned to portfolios where neither growth nor value characteristics predominate. These portfolios typically will have less than 20% of assets invested in U.S. stocks.

MSCI World Ex USA Small Cap NR USD: The index measures the performance of small cap representation across 22 of 23 developed markets countries (excluding the United States). It covers approximately 14% of the free float-adjusted market capitalization in each country.

Performance

Returns with Surrender Charges reflect the surrender charges that would have been applied had the contract been surrendered within seven years of the last premium. Each premium has its own surrender charge schedule. These charges are 7% in the first and second year, and decrease by 1% each subsequent year until they are zero in year eight. Up to 10% of your accumulated value or earnings, whichever is greater, may be withdrawn each contract year without a surrender charge. Returns without Surrender Charges do not include surrender charges. All values reflect the deduction of the current and maximum mortality and expense risk (M&E) charge of 1.25% (actual M&E charges are approximated) and annual net operating expenses of 0.23% to 1.27%, depending on the Portfolio. The expenses for certain Portfolios are taken after fee waiver arrangements are applied. Without these reimbursements, the fees would be higher. These may be discontinued at any time. Annual operating expenses are subject to change. Total returns are calculated from the inception date of the portfolio.

Important Information

Thrivent is the marketing name for Thrivent Financial for Lutherans. Insurance products issued by Thrivent. Not available in all states. The principal underwriter and distributor of variable insurance products is Thrivent Investment Management Inc., member FINRA and SIPC and a subsidiary of Thrivent. Thrivent.com/disclosures.