

Welcome to
John Hancock Investments

John Hancock[®]
INVESTMENTS



A message from our CEO

Welcome to John Hancock Investments, and congratulations on taking an important step toward your financial goals. This booklet provides information about our multimanager approach to investing, along with details on maintaining a balanced portfolio, tracking your investments, and staying informed. You'll also find a complete list of funds from John Hancock Investments.

We believe investors benefit from a combination of specialized expertise, a diversity of investment ideas, and strong oversight. Our multimanager approach enables us to search the world to find proven portfolio teams with the right combination of skills, track records, and experience for every fund we offer. By thoroughly vetting those managers, and setting a high bar for long-term risk-adjusted performance, we strive to be exceptional stewards of capital for our fund shareholders. We think it's a better way to invest.

Working with your financial advisor is a great way to stay on track as you pursue your financial goals. Your advisor can help adjust your strategies based on changes in your life or the markets, and can provide experienced counsel in uncertain financial times.

We know you have many choices when it comes to the management of your assets. On behalf of everyone at John Hancock Investments, thank you for the trust you've placed in us.

Sincerely,

Andrew G. Arnott
President and CEO,
John Hancock Investments
Head of Wealth and Asset Management,
United States and Europe

Diversification does not guarantee a profit or eliminate the risk of a loss.

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Discover our multimanager approach

A trusted brand

John Hancock Investments is a premier asset manager representing one of America's most trusted brands, with a heritage of financial stewardship dating back to 1862. Helping our shareholders pursue their financial goals is at the core of everything we do. It's why we support the role of professional financial advice and operate with the highest standards of conduct and integrity.

150 years of promises kept

- From our earliest days as a four-person operation on Boston's State Street, John Hancock has grown to include a diversified global investment firm.
- The *New York Times* named John Hancock one of the most powerful brands of the 20th century.¹

A better way to invest

We serve investors globally through a unique multimanager approach: We search the world to find proven portfolio teams with specialized expertise for every strategy we offer, then we apply robust investment oversight to ensure they continue to meet our uncompromising standards and serve the best interests of our shareholders.

74 proven portfolio teams

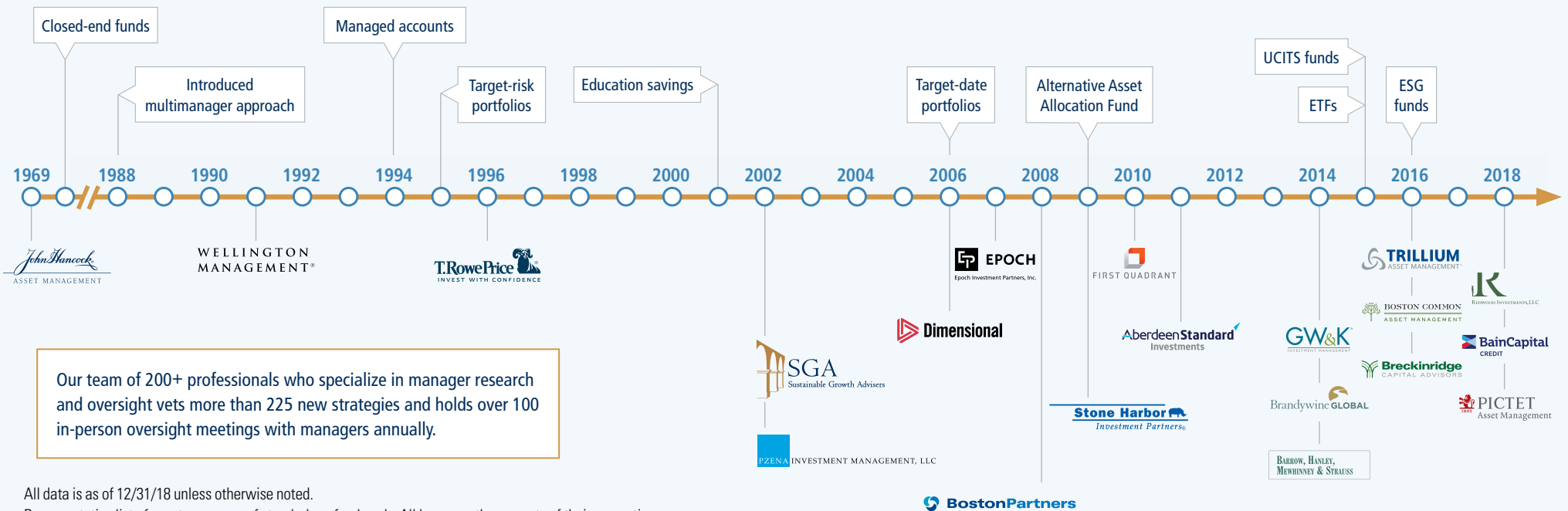
28 elite asset managers

111 investment strategies

Results for investors

Our unique approach to asset management enables us to provide a diverse set of investments backed by some of the world's best managers, along with strong risk-adjusted returns across asset classes.

- 77% of funds outperformed their Morningstar category averages over the past 10 years²
- 50 funds rated 4 or 5 stars by Morningstar at the highest-rated share class³



Our team of 200+ professionals who specialize in manager research and oversight vets more than 225 new strategies and holds over 100 in-person oversight meetings with managers annually.

All data is as of 12/31/18 unless otherwise noted.

Representative list of asset managers of stand-alone funds only. All logos are the property of their respective owners.

¹ The *New York Times*, 1999. ² Morningstar, as of 12/31/18. Investing involves risks, including the potential loss of principal. There is no guarantee that a fund's investment strategy will be successful. Please see the funds' prospectuses for additional risks. Based on Class I share returns where available, 33 out of 43 funds outperformed their Morningstar category averages for the 10-year period. Results for other periods will vary. Other share classes may be rated differently. Past performance does not guarantee future results. ³ Out of 89 funds rated by Morningstar, 4 funds received a 5-star overall rating and 46 funds received a 4-star overall rating. Ratings are counted at the highest-rated share class. Includes mutual fund rankings/ratings only.

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Investing for your future

Work with a financial advisor

Our diverse capabilities range from mutual funds to exchange-traded funds, closed-end funds, education savings plans, managed accounts, retirement portfolios, and UCITS funds, with nearly \$132 billion in assets under management across asset classes.⁴

A financial advisor can help you develop strategies for reaching your investment goals and suggest changes as your needs evolve. In helping you build a customized portfolio, an advisor can analyze factors such as fund performance, cost, and investment risk, and discuss how they relate to your investing time horizon, income, and potential taxes. Experienced advisors have the expertise to help you sort through your options and stick with a plan that will increase your likelihood of success.



Saving for retirement

Investing regularly throughout your working years and keeping a portion of your savings invested during retirement are important factors in accumulating and maintaining adequate savings to meet your long-term goals. With life expectancies rising, many Americans can expect to spend decades in retirement. Mutual funds and other investments held in workplace 401(k) plans and IRAs play an increasingly important role in retirement security.



Saving for education

Education savings plans known as 529 plans offer a number of benefits to help make saving easier. Distributions used for qualified education expenses—tuition, fees, computers, books, and room and board—are federal income-tax free.⁵ In addition, many of the states that sponsor such plans extend state tax deductions or credits to residents participating in 529 plans.



Estate planning

Creating a financial legacy that can be passed down to family members and future generations is a key goal of many investors. Your financial advisor may be able to assist in addressing the fundamentals of estate planning and safeguarding your financial and nonfinancial assets, from establishing wills and trusts to purchasing life insurance.

⁴ Data is as of 12/31/18. \$89 billion in retail mutual funds and ETF assets and \$43 billion in retirement assets, including seed capital. ⁵ State tax laws and treatment may vary. Earnings on nonqualified distributions will be subject to income tax and a 10% federal penalty tax. Please consult your tax advisor for more information.

Maintaining a well-balanced portfolio

Find an approach that fits your needs

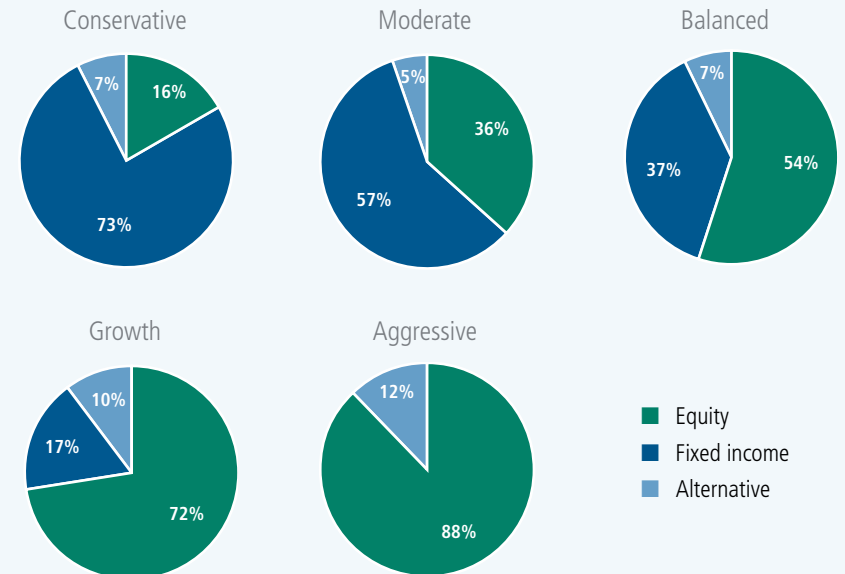
Staying on track to achieve your goals requires tapping the potential of the financial markets without putting your portfolio at extraordinary risk from investment losses, now and in the future. Your financial advisor can help you divide your invested savings among a mix of complementary investments—a process known as asset allocation—to help smooth out the ups and downs of the markets.

Consider a ready-made portfolio

For investors who prefer an all-in-one approach, John Hancock Multimanager Lifestyle Portfolios are designed to pursue a relatively stable balance of risk-and-return potential over time, with five broadly diversified portfolio options ranging from conservative to aggressive. Each portfolio invests in a combination of actively managed funds, adjusting positions to capture market opportunities and manage risks while harnessing the expertise of some of the best managers in the business.

Choose a portfolio that aligns with your goals

John Hancock Multimanager Lifestyle Portfolios⁶



⁶ Portfolio allocations, as of 12/31/18. Percentage figures may not add up to 100% due to rounding.

Employing a time-tested strategy

Dollar cost averaging

Investing a fixed amount at the same time each month is a simple but effective way to navigate the market's ups and downs and make the most of your investing dollars. When share prices are up, you buy relatively fewer shares; when they're down, you buy a greater number of shares, because the cost of each share has been reduced as the market has declined. Over time, this approach may reduce your average share cost, if you invest regularly.

How dollar cost averaging works⁷

	Regular investment	Share price (NAV)	Shares purchased
	\$100	\$10	10
	\$100	\$20	5
	\$100	\$25	4
	\$100	\$20	5
Total:	\$400	\$75	24



Your average share cost: $\$400.00 \div 24 = \mathbf{\$16.67}$
Average share price: $\$75.00 \div 4 = \mathbf{\$18.75}$

A simple way to implement dollar cost averaging

Making investing part of your monthly budget process can help you stay on track to achieve your goals. The earlier you start, the more you can let time and the power of compounding work for you. After satisfying the minimum initial investment requirements, you may wish to consider a Monthly Automatic Accumulation Program (MAAP).⁸ You can establish a MAAP through a bank transfer or payroll deduction for as little as \$25 per month; an advisor can assist you in the process. You can also call a John Hancock Investments customer service representative at 800-225-5291 or download an enrollment form, which can be found at jhinvestments.com under the "Resources" tab.

⁷ This example is hypothetical and for illustrative purposes only, and is not intended to imply the performance of any specific John Hancock mutual fund. Most investments generally fluctuate according to market conditions. Dollar cost averaging is the simple investment strategy of investing a consistent amount on a regular basis, usually monthly. Be aware that dollar cost averaging does not ensure a profit or protect against loss in a declining market. Such a plan involves continuous investment in securities regardless of fluctuating price levels. An investor should consider his or her financial ability to continue purchases through periods of low price levels. Past performance does not guarantee future results. ⁸ MAAP is not available for John Hancock exchange-traded funds.

Tracking your mutual fund investments

Visit jhinvestments.com to:

- Obtain balances and review account transaction history
- Get fund price and performance information
- Establish email delivery of important account documents
- Download prospectuses, forms, and applications
- Purchase, exchange, and redeem fund shares

Create an online account

- On jhinvestments.com, click on "Log in"
- Select "Individual investors, Mutual fund" access and then "Are you a first time user?"
- When prompted, provide your Social Security number and postal zip code
- Establish a user ID, password, and security profile
- Provide an email address or skip to the "Portfolio summary" page to view your account information

Sign up for eDelivery

Enroll in eDelivery to receive account documents directly to your email while helping to reduce the risk of identity theft and conserve paper.

- Log in to your account
- Click the "Sign up for electronic delivery" link
- Follow the steps to enroll to receive documents such as:
 - Account and confirmation statements
 - Fund performance reports
 - Prospectuses
 - Tax information



Visit jhinvestments.com/eDelivery or call 800-225-5291 to register today.

Monitoring your progress

Account statements

- ▶ **Confirmation statement:** A notification of changes to your account, such as purchases, redemptions, exchanges, or a change of address
- ▶ **Quarterly statement:** Contains the dollar amount of your holdings, all quarterly activity, and a pie chart illustrating your John Hancock Investments portfolio
- ▶ **Year-end statement:** An account summary that consolidates information on all of your John Hancock Investments mutual funds for the prior year

Tax forms

You will receive IRS-required tax forms if certain types of transactions occur during the year. These forms may include:

- ▶ **1099-DIV:** For taxable dividends and capital gains
- ▶ **1099-B:** For redemptions or exchanges from any fund except a money market fund or a retirement account
- ▶ **1099-R:** For redemptions from a retirement account
- ▶ **5498:** For contributions and rollovers to your IRA

Reports

- ▶ **Annual and semiannual reports:** You will receive these reports for each of your funds.
- ▶ **Prospectus:** A prospectus describing a fund's investment objectives, risks, charges, expenses, and other important information about the fund is mailed once each year and can also be downloaded from jhinvestments.com.

Staying informed

Visit jhinvestments.com for:

- ▶ **Market Intelligence:** A quarterly review of the investment landscape across key markets and asset classes that reflects the outlook from our vast network of asset managers and investment partners
- ▶ **Global Market Outlook:** A quarterly look at the markets and the economy from the global asset allocation team at John Hancock Asset Management
- ▶ **Viewpoints:** Timely insight and analysis from portfolio managers and other investment professionals on the trends shaping the markets today
- ▶ **White papers:** In-depth views and research on a wide range of market and investing topics
- ▶ **Videos:** The latest thinking from our network of portfolio managers and other investment professionals captured in a series of brief videos
- ▶ **Weekly Market Recap:** A timely summary of key market data and headlines, and a look ahead into next week
- ▶ **Social media:** Leveraging the investment insight of our asset management network has never been easier. Connect with us on Twitter, Facebook, LinkedIn, and YouTube to learn what some of the best investment minds in the industry have to say about events making news and moving markets.



Investing in our family of funds

	Managed by	A	I		Managed by	A	I	
U.S. EQUITY	Blue Chip Growth	T. Rowe Price	JBGAX	ALTERNATIVE	Absolute Return Currency	First Quadrant	JCUAX JCUIX	
	Classic Value	Pzena Investment Management	PZFXV JCVIX		Alternative Asset Allocation	John Hancock Asset Management	JAAAX JAAIX	
	Disciplined Value	Boston Partners	JVLAX JVLIX		Disciplined Alternative Yield ⁶	Boston Partners	JTRAX JTRIX	
	Disciplined Value Mid Cap ¹	Boston Partners	JVMAX JVMIX		Enduring Assets ⁷	Wellington Management	JEEBX JEEIX	
	Equity Income	T. Rowe Price	JHEIX		Global Absolute Return Strategies ⁸	Aberdeen Standard Investments	JHAAX JHAIX	
	Financial Industries	John Hancock Asset Management	FIDAX JFIFX		Global Conservative Absolute Return ⁸	Aberdeen Standard Investments	JHRAX JHRIX	
	Fundamental All Cap Core	John Hancock Asset Management	JFCAX JFCIX		Global Focused Strategies ⁹	Aberdeen Standard Investments	JGFOX JGFGX	
	Fundamental Large Cap Core	John Hancock Asset Management	TAGRX JLVIX		Seaport Long/Short ⁹	Wellington Management	JSFBX JSFDX	
	Fundamental Large Cap Value	John Hancock Asset Management	JFVAX JFVIX		Technical Opportunities ¹⁰	Wellington Management	JTCAX JTCIX	
	New Opportunities	Brandywine Global Investment Management/Dimensional Fund Advisors/GW&K Investment Management	JASOX JHSOX		ASSET ALLOC/TARGET DATE	Balanced Fund	John Hancock Asset Management	SVBAX SVBIX
	Regional Bank	John Hancock Asset Management	FRBAX JRBFX			Income Allocation Fund	John Hancock Asset Management	JIAFX JIAIX
	Small Cap Core	John Hancock Asset Management	JCCAX JCCIX			Multimanager Lifestyle Aggressive Portfolio	John Hancock Asset Management	JALAX JTAIX
	Small Cap Growth	Redwood Investments	JSJAX JSJIX			Multimanager Lifestyle Balanced Portfolio	John Hancock Asset Management	JALBX JTBIX
	Small Cap Value	Wellington Management	JSCAX JSCBX			Multimanager Lifestyle Conservative Portfolio	John Hancock Asset Management	JALRX JTOIX
	U.S. Global Leaders Growth	Sustainable Growth Advisers	USGLX USLIX			Multimanager Lifestyle Growth Portfolio	John Hancock Asset Management	JALGX JTGIX
U.S. Growth ²	Wellington Management	JHUAX JHUIX	Multimanager Lifestyle Moderate Portfolio	John Hancock Asset Management		JALMX JTMIX		
U.S. Quality Growth ³	Wellington Management	JSGAX JSGIX	Multimanager Lifetime Portfolios	John Hancock Asset Management				
Value Equity	Barrow, Hanley, Mewhinney & Strauss	JVEAX JVEIX	ESG	ESG All Cap Core	Trillium Asset Management	JHKAX JHKIX		
INTERNATIONAL EQUITY	Disciplined Value International	Boston Partners		JDIBX JDVIX	ESG Core Bond	Breckinridge Capital Advisors	JBOAX JBOIX	
	Emerging Markets	Dimensional Fund Advisors		JEVAX JEVIX	ESG International Equity	Boston Common Asset Management	JTQAX JTQIX	
	Emerging Markets Equity	John Hancock Asset Management		JEMQX JEMMX	ESG Large Cap Core	Trillium Asset Management	JHJAX JHJIX	
	Fundamental Global Franchise	John Hancock Asset Management	JFGAX JFGIX	ETF	Index provider			
	Global Equity	John Hancock Asset Management	JHGEX JGEFX		John Hancock Multifactor Consumer Discretionary ETF	Dimensional Fund Advisors	JHMC	
	Global Shareholder Yield	Epoch Investment Partners	JGYAX JGYIX		John Hancock Multifactor Consumer Staples ETF	Dimensional Fund Advisors	JHMS	
	Global Thematic Opportunities	Pictet Asset Management	JTKAX JTKIX		John Hancock Multifactor Developed International ETF	Dimensional Fund Advisors	JHMD	
	Greater China Opportunities	John Hancock Asset Management	JCOAX JCOIX		John Hancock Multifactor Emerging Markets ETF	Dimensional Fund Advisors	JHEM	
	International Growth ⁴	Wellington Management	GOIGX GOGIX		John Hancock Multifactor Energy ETF	Dimensional Fund Advisors	JHME	
	International Small Company	Dimensional Fund Advisors	JISAX JSCIX		John Hancock Multifactor Financials ETF	Dimensional Fund Advisors	JHMF	
FIXED INCOME	Bond	John Hancock Asset Management	JHNBX JHBIX		John Hancock Multifactor Healthcare ETF	Dimensional Fund Advisors	JHMH	
	California Tax-Free Income	John Hancock Asset Management	TACAX JCAFX		John Hancock Multifactor Industrials ETF	Dimensional Fund Advisors	JHMI	
	Emerging Markets Debt	John Hancock Asset Management	JMKAX JMKIX		John Hancock Multifactor Large Cap ETF	Dimensional Fund Advisors	JHML	
	Floating Rate Income ⁵	Bain Capital Credit	JFIAX JFIIX		John Hancock Multifactor Materials ETF	Dimensional Fund Advisors	JHMA	
	Government Income	John Hancock Asset Management	JHGIX JGIFX	John Hancock Multifactor Mid Cap ETF	Dimensional Fund Advisors	JHMM		
	High Yield	John Hancock Asset Management	JHHBX JYHIX	John Hancock Multifactor Small Cap ETF	Dimensional Fund Advisors	JHSC		
	High Yield Municipal Bond	John Hancock Asset Management	JHTFX JHYMX	John Hancock Multifactor Technology ETF	Dimensional Fund Advisors	JHMT		
	Income	John Hancock Asset Management	JHFIX JSTIX	John Hancock Multifactor Utilities ETF	Dimensional Fund Advisors	JHMU		
	Investment Grade Bond	John Hancock Asset Management	TAUSX TIUSX					
	Money Market	John Hancock Asset Management	JHMXX					
	Short Duration Credit Opportunities	Stone Harbor Investment Partners	JMBAX JMBIX					
	Spectrum Income	T. Rowe Price	JHSIX					
	Strategic Income Opportunities	John Hancock Asset Management	JIPAX JIPIX					
	Tax-Free Bond	John Hancock Asset Management	TAMBX JTDBX					

1 As of 1/31/14, the fund is closed to new investors. **2** As of 10/31/18, the fund is closed to new investors. **3** As of 9/28/18, Wellington Management Company replaced John Hancock Asset Management as the fund's manager. Prior to 11/12/18, the fund was named John Hancock Strategic Growth Fund. **4** As of 3/23/18, the fund is closed to new investors. **5** As of 8/30/18, Bain Capital Credit replaced Western Asset Management Company as the fund's manager.

6 Prior to 1/22/19, the fund was named John Hancock Redwood Fund. **7** As of 3/1/19, the fund will be named John Hancock Infrastructure Fund. **8** As of 1/1/19, Standard Life Investments (USA) Limited was replaced by Aberdeen Standard Investments Inc. **9** Prior to 4/20/18, the fund was named John Hancock Seaport Fund. **10** As of 1/14/19, the fund is closed to all investors and will liquidate on or about 4/12/19.

Not all funds are available for sale at all firms. The funds listed above have associated risks.

John Hancock Multifactor ETF shares are bought and sold at market price (not NAV), and are not individually redeemed from the fund. Brokerage commissions will reduce returns.

John Hancock ETFs are distributed by Foreside Fund Services, LLC, and are subadvised by Dimensional Fund Advisors LP. Foreside is not affiliated with John Hancock Funds, LLC or Dimensional Fund Advisors LP.

Dimensional Fund Advisors LP receives compensation from John Hancock in connection with licensing rights to the John Hancock Dimensional indexes. Dimensional Fund Advisors LP does not sponsor, endorse, or sell, and makes no representation as to the advisability of investing in, John Hancock Multifactor ETFs.

How to contact us

By phone

Account service	800-225-5291	Automated line	800-338-8080
Education savings account service	866-222-7498	Hearing/speech impaired TTY	800-231-5469
Closed-end funds	800-843-0090		

By mail

MUTUAL FUNDS AND ETFs

Standard delivery

John Hancock Signature Services, Inc.
P.O. Box 55913
Boston, MA 02205-5913

Overnight delivery

John Hancock Signature Services, Inc.
30 Dan Road
Suite 55913
Canton, MA 02021-2809

EDUCATION SAVINGS

Standard delivery

John Hancock Freedom 529
P.O. Box 17603
Baltimore, MD 21297-1603

Overnight delivery

John Hancock Freedom 529
c/o T. Rowe Price
Mail Code 17603
4515 Painters Mill Road
Owings Mills, MD 21117-4903

Online

WEBSITE

jhinvestments.com

SOCIAL MEDIA

-  twitter.com/JH_Investments
-  linkedin.com/company/john-hancock-investments
-  youtube.com/jhinvestments
-  facebook.com/johnhancockinvestments

For each managed product, including mutual funds, variable annuity and variable life subaccounts, exchange-traded funds, closed-end funds, and separate accounts, with at least a 3-year history, Morningstar calculates a Morningstar Rating™ based on a Morningstar Risk-Adjusted Return that accounts for variation in a fund's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. Exchange-traded funds and open-end mutual funds are considered a single population for comparative purposes. The top 10.0% of funds in each category, the next 22.5%, 35.0%, 22.5%, and bottom 10.0% receive 5, 4, 3, 2, or 1 star(s), respectively. The overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its 3-, 5-, and 10-year (if applicable) Morningstar Rating metrics. The rating formula most heavily weights the 3-year rating, using the following calculation: 100% 3-year rating for 36 to 59 months of total returns, 60% 5-year rating/40% 3-year rating for 60 to 119 months of total returns, and 50% 10-year rating/30% 5-year rating/20% 3-year rating for 120 or more months of total returns. Star ratings do not reflect the effect of any applicable sales load. Past performance does not guarantee future results.

Investing involves risks, including the potential loss of principal. There is no guarantee that the funds' investment strategies will be successful. The stock prices of midsize and small companies can change more frequently and dramatically than those of large companies.

Asset allocation by a fund of funds does not ensure a profit or protect against a loss. Please note that asset allocation may not be appropriate for all investors, particularly those interested in the underlying funds on their own. The portfolio's performance depends on the advisor's skill in determining asset class allocations, the mix of underlying funds, and the performance of those underlying funds. The portfolio is subject to the same risks as the underlying funds and exchange-traded funds in which it invests: Stocks and bonds can decline due to adverse issuer, market, regulatory, or economic developments; foreign investing, especially in emerging markets, has additional risks, such as currency and market volatility and political and social instability; the securities of small companies are subject to higher volatility than those of larger, more established companies; and high-yield bonds are subject to additional risks, such as increased risk of default. Please see the portfolios' prospectuses for additional risks.

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Request a prospectus or summary prospectus from your financial advisor, by visiting jhinvestments.com, or by calling us at 800-225-5291. The prospectus includes investment objectives, risks, fees, expenses, and other information that you should consider carefully before investing.



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