

MML iShares® Allocation Funds

MML iShares® 80/20 & 60/40 Allocation Funds

Diversified portfolios built with low-cost exchange traded funds (ETFs)

An (ETF) is an investment fund that invests in a basket of stocks, bonds, or other assets. ETFs are traded on a stock exchange, just like stocks. Investors are drawn to ETFs because of their low price, tax efficiency, and ease of trading. The MML iShares Allocation Funds are designed to be all-in-one, core portfolio solutions.

**Maximum Allowable
Equity Exposure with
MassMutual
RetirePaySM**

The MML iShares 80/20 Allocation Fund provides the highest allowable equity exposure for clients investing in MassMutual RetirePaySM

Cost-effective

It's not what you make, it's what you keep. The MML iShares Allocation Funds leverage low-cost ETFs as core building blocks.

**Diversified,
core portfolios**

A well-built asset allocation is key in seeking to generate the investment returns you are looking for at a level of risk that makes you comfortable.

60/40 portfolio weight (%)	Holdings*	80/20 portfolio weight (%)
45%	US Equity	60%
9%	iShares Core S&P 500 ETF	8%
31%	iShares Core S&P Total U.S. Stock Market ETF	45%
3%	iShares Core Dividend Growth ETF	3%
2%	iShares Core S&P Mid-Cap ETF	4%
15%	International Equity	20%
13%	iShares Core MSCI International Developed Markets ETF	15%
2%	iShares Core MSCI Emerging Markets ETF	5%
40%	Fixed Income	20%
1%	iShares Broad USD High Yield Corporate Bond ETF	1%
2%	iShares 20+ Year Treasury Bond ETF	1%
1%	iShares Core International Aggregate Bond ETF	1%
32%	iShares Core U.S. Aggregate Bond ETF	12%
5%	iShares 1-5 Year Investment Grade Corporate Bond ETF	5%

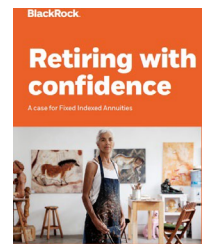
*Allocations as of 2/28/2022 and are subject to change. These are target holdings, typically rebalanced on a quarterly basis.

Each Fund is a "fund of funds" and is subject to the risks associated with the underlying iShares ETFs in which it invests. BlackRock does not offer insurance products or provide any financial guarantee of periodic payment. Each Fund is a "fund of funds" that seeks to achieve its investment objective by allocating substantially all of its assets among exchange-traded funds ("ETFs") providing exposures to various asset classes. Each Fund's investment adviser, MML Investment Advisers, LLC ("MML Advisers"), determines the Fund's asset allocation strategy and implements this strategy by selecting ETFs for investment and determining the amounts of the Fund's assets to be invested in each. The ETFs MML Advisers will consider for investment by each Fund will provide exposures to equity securities or to fixed-income securities. BlackRock Investment Management, LLC ("BlackRock") is each Fund's subadviser, and is responsible solely for the trading and execution of MML Advisers' investment and allocation decisions.

At BlackRock, we understand the complexity of saving and spending for retirement and do our best to provide the insights and tools necessary to navigate.

Thought leadership and industry research

Through periodic publications and timely whitepapers, we produce research that encompasses both investments and insurance. This includes a series of research dedicated to both Variable and Fixed Indexed Annuities as an asset class. In addition, our Retirement Group provides analysis on accumulation and decumulation in the retirement years.



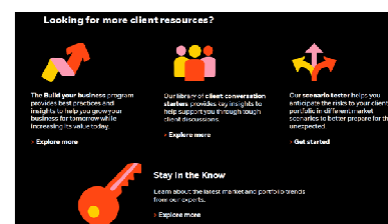
Technology

BlackRock's Advisor Center is committed to supporting you with market insights and resources to help grow your practice. By offering a range of investment options and analytic tools powered by our Aladdin® technology, we help you build portfolios that can provide financial well-being to your clients.



Easy to Navigate Website

Leveraging the newly developed Retirement Insurance website, you can navigate across investments, research, technology, and practice management tools with ease and transparency.



Practicemanagement

With a suite of comprehensive programs, we can help educate financial advisors on the latest industry trends and issues such as fiduciary responsibility, social security, client acquisition, and behavioral finance. Our team can share best practices to help you prospect and better manage your existing business.



Screenshots for illustrative purposes only

Contact your BlackRock Retirement Insurance Market Leader for access to tools, resources, insights, and expertise to help grow and enhance your business.

Investing involves risk, including possible loss of principal. Asset allocation models and diversification do not promise any level of performance or guarantee against loss of principal.

MassMutual EnvisionSM and MassMutual RetirePay and/or certain features may not be available in all states. There are fees and charges associated with purchasing and owning a variable annuity. Variable annuities are subject to market risk, including the potential loss of principal. RetirePay is an optional guaranteed lifetime withdrawal benefit, available for an additional fee with MassMutual Envision.

MassMutual Envision (Contract Form FPVDA21 and ICC21-FPVDA in certain states, including North Carolina) is a flexible premium deferred variable annuity contract issued by Massachusetts Mutual Life Insurance Company, Springfield, MA 01111-0001.

Principal Underwriters for MassMutual Envision: MML Investors Services, LLC, and MML Strategic Distributors, LLC, subsidiaries of Massachusetts Mutual Life Insurance Company, Springfield, MA 01111-0001.

Principal Underwriter for MML Funds: MML Distributors, LLC (MMLD), subsidiary of Massachusetts Mutual Life Insurance Company, Springfield, MA 01111-0001.

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