

# MFS® Government Securities Portfolio, Service Class

**Benchmark**  
BBgBarc US Govt/Mortgage TR USD

**Overall Morningstar Rating™** ★★  
Out of 211 Intermediate Government funds. **An investment's overall Morningstar Rating, based on its risk-adjusted return, is a weighted average of its applicable 3-, 5-, and 10-year Ratings. See disclosure for details.**

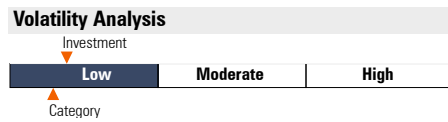
**Morningstar Return Average**

**Morningstar Risk Average**

## Investment Strategy from investment's prospectus

The investment seeks total return with an emphasis on current income, but also considering capital appreciation. The fund normally invests at least 80% of its net assets in U.S. government securities. It generally invests substantially all of the fund's assets in investment grade quality debt instruments. The Advisor expects to use derivatives primarily to increase or decrease exposure to a particular market, segment of the market, or security, to increase or decrease interest rate exposure, or as alternatives to direct investments. Derivatives include futures, forward contracts, options, swaps, and certain complex structured securities.

**Morningstar Category: Intermediate Government**  
Intermediate-government portfolios have at least 90% of their bond holdings in bonds backed by the U.S. government or by government-linked agencies. This backing minimizes the credit risk of these portfolios, as the U.S. government is unlikely to default on its debt. These portfolios have durations typically between 3.5 and 6.0 years. Consequently, the group's performance--and its level of volatility--tends to fall between that of the short government and long government bond categories. Morningstar calculates monthly breakpoints using the effective duration of the Morningstar Core Bond Index in determining duration assignment. Intermediate is defined as 75% to 125% of the three-year average effective duration of the MCB1.



In the past, this investment has shown a relatively small range of price fluctuations relative to other investments. Based on this measure, currently more than two-thirds of all investments have shown higher levels of risk. Consequently, this investment may appeal to investors looking for a conservative investment strategy.

**Principal Risks**  
Credit and Counterparty, Extension, Inflation-Protected Securities, Prepayment (Call), Loss of Money, Not FDIC Insured, Country or Region, Interest Rate, Market/Market Volatility, Restricted/Illiquid Securities, Derivatives, Leverage, Fixed-Income Securities, Management

Please refer to the Principal Risk definitions on the following pages for more information.

### Operations

Underlying Incep. Date	08-24-01
Advisor	Massachusetts Financial Services Company
SubAdvisor	—

**Portfolio Manager(s)**  
Geoffrey Schechter, CPA. Since 04-06.  
Jake Stone. Since 09-18.

## Morningstar Proprietary Statistics

	YTD	1 Year	3 Year	5 Year	10 Year
Morningstar Rating™	—	—	★★★	★★★	★★
Fund Rank Percentile	21	29	50	57	70
Out of # of Investments	235	234	211	193	149

## Portfolio Analysis

**Composition** as of 08-31-19

	% Assets
U.S. Stocks	0.0
Non-U.S. Stocks	0.0
Bonds	99.2
Cash	0.5
Other	0.3

**Risk Measures** as of 09-30-19

	Port Avg	Rel Bmark	Rel Cat
3 Yr Std Dev	3.13	0.97	1.16
3 Yr Beta	0.96	—	1.17
3 Yr Sharpe Ratio	0.10	0.43	1.44
3 Yr Alpha	-0.40	—	0.96
3 Yr R-squared	98.95	—	1.00

**Morningstar Fixed Income Style Box™** as of 08-31-19

	Avg Eff Duration	Avg Eff Maturity	Avg Credit Quality	Avg Wtd Coupon	Avg Wtd Price
High	5.15	7.02	AAA	3.32	106.20
Med					
Low					
Ltd					
Mod					
Ext					

**Top 10 Holdings** as of 08-31-19

	% Assets
United States Treasury Notes 2.5% 08-15-23	5.64
United States Treasury Bonds 2.5% 02-15-45	4.89
Federal Home Loan Banks 3% 12-10-21	4.45
United States Treasury Bonds 2.88% 05-15-43	3.36
US 10 Year Note (CBT) Dec19 12-19-19	2.51
United States Treasury Bonds 3.13% 02-15-43	2.10
U.S. Treasury Bond Dec19 12-19-19	1.80
United States Treasury Notes 2.38% 03-15-21	1.75
Ust Bond 2yr Future Dec 31 19	1.58
Federal National Mortgage Associat 3.5% 12-01-46	1.52

Total Number of Stock Holdings	0
Total Number of Bond Holdings	379
Annual Turnover Ratio %	35.00
Total Fund Assets (\$mil)	472.40

Total Fund Assets is the net aggregated market value of all of the securities in all share classes of the portfolio.

**Fees and Expenses**

Prospectus Net Expense Ratio	0.83%
Prospectus Gross Expense Ratio	0.85%
12b-1 Fee	0.25%

**Waiver Data**

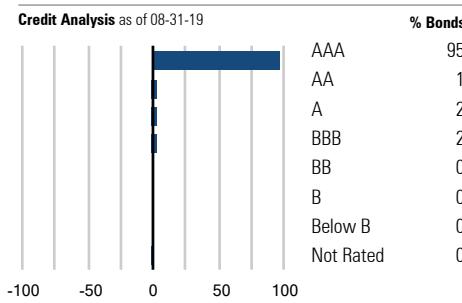
Type	Exp. Date	%
ExpenseRatio	Contractual 04-30-20	0.02

The issuing insurance company may receive a portion of the current expense ratio from the Fund adviser for Administrative Services. Refer to your prospectus for a complete list of additional policy and rider fees and expenses.

**Morningstar F-I Sectors** as of 08-31-19

	% Fund	% Category
Government	39.57	29.65
Corporate	2.43	0.99
Securitized	56.15	56.99
Municipal	1.41	2.01
Cash/Cash Equivalents	0.45	6.65
Other	0.00	3.71

Fund holdings and sectors change daily, may differ from those shown and should not be considered a recommendation to buy or sell securities.



Morningstar seeks credit rating information from fund companies on a periodic basis (e.g., quarterly). In compiling credit rating information, Morningstar instructs fund companies to only use ratings that have been assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). If two NRSROs have rated a security, fund companies are to report the lowest rating; if three or more NRSROs have rated the same security differently, fund companies are to report the rating that is in the middle. Credit quality breakdowns are shown for corporate-bond holdings and depict the quality of bonds in the underlying portfolio. The report shows the percentage of fixed-income securities that fall within each credit quality rating as assigned by an NRSRO. Bonds not rated by an NRSRO are included in the not rated (NR) category. PLEASE NOTE: Morningstar, Inc. is not itself an NRSRO nor does it issue a credit rating on the fund. An NRSRO rating on a fixed-income security can change from time-to-time.

**Notes**  
Neither MFS® Variable Insurance Trust II nor Morningstar, Inc. is an affiliate of the issuing insurance company.

NOT A DEPOSIT. NOT GUARANTEED. MAY LOSE VALUE.

# Disclosure

## Benchmark: BBgBarc US Govt/Mortgage TR USD

The index measures the performance of US government bonds and mortgage-related securities, including Ginnie Maes, Freddie Macs, Hybrid ARMs, Fannie Maes, US Treasuries and US Agencies only. It is a subset of US Aggregate index.

## Morningstar Rating™

The Morningstar Rating™ for funds, or "star rating", is calculated for managed products (including mutual funds, variable annuity and variable life subaccounts, exchange-traded funds, closed-end funds, and separate accounts) with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. The weights are: 100% three-year rating for 36-59 months of total returns, 60% five-year rating/40% three-year rating for 60-119 months of total returns, and 50% 10-year rating/30% five-year rating/20% three-year rating for 120 or more months of total returns. While the 10-year overall star rating formula seems to give the most weight to the 10-year period, the most recent three-year period actually has the greatest impact because it is included in all three rating periods.

## Morningstar Return

The Morningstar Return rates a fund's performance relative to other managed products in its Morningstar Category. It is an assessment of a product's excess return over a risk-free rate (the return of the 90-day Treasury Bill) in comparison with the products in its Morningstar category. In each Morningstar category, the top 10% of products earn a High Morningstar Return (High), the next 22.5% Above Average (+ Avg), the middle 35% Average (Avg), the next 22.5% Below Average (- Avg), and the bottom 10% Low (Low). Morningstar Return is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

## Morningstar Risk

Morningstar Risk evaluates a fund's downside volatility relative to that of other products in its Morningstar Category. It is an assessment of the variations in monthly returns, with an emphasis on downside variations, in comparison with the products in its Morningstar category. In each Morningstar category, the 10% of products with the lowest measured risk are described as Low Risk (Low), the next 22.5% Below Average (-Avg), the middle 35% Average (Avg), the next 22.5% Above Average (+ Avg), and the top 10% High (High). Morningstar Risk is measured for up to three time periods

(three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

## Morningstar Category

Morningstar assigns categories to separate accounts portfolios. Portfolios are placed in a given category based on their average holdings statistics over the past three years. Morningstar's editorial team also reviews and approves all category assignments. If the portfolio is new and has no history, Morningstar estimates where it will fall before giving it a more permanent category assignment. When necessary, Morningstar may change a category assignment based on recent changes to the portfolio. In the United States, Morningstar supports 110 categories.

## Principal Risk Definitions:

### Credit and Counterparty

The issuer or guarantor of a fixed-income security, counterparty to an over-the-counter derivatives contract, or other borrower may not be able to make timely principal, interest, or settlement payments on an obligation. In this event, the issuer of a fixed-income security may have its credit Rating downgraded or defaulted, which may reduce the potential for income and value of the portfolio.

### Extension

The issuer of a security may repay principal more slowly than expected because of rising interest rates. In this event, short- and medium-duration securities are effectively converted into longer-duration securities, increasing their sensitivity to interest-rate changes and causing their prices to decline.

### Inflation-Protected Securities

Unlike other fixed-income securities, the values of inflation-protected securities are not significantly impacted by inflation expectations because their interest rates are adjusted for inflation. Generally, the value of inflation-protected securities will fall when real interest rates rise and rise when real interest rates fall.

### Prepayment (Call)

The issuer of a debt security may be able to repay principal prior to the security's maturity because of an improvement in its credit quality or falling interest rates. In this event, this principal may have to be reinvested in securities with lower interest rates than the original securities, reducing the potential for income.

### Loss of Money

Because the investment's market value may fluctuate up and down, an investor may lose money, including part of the principal, when he or she buys or sells the investment.

### Not FDIC Insured

The investment is not a deposit or obligation of, or guaranteed or endorsed by, any bank and is not insured by the Federal Deposit Insurance Corporation, the Federal Reserve Board, or any other U.S. governmental agency.

## Country or Region

Investments in securities from a particular country or region may be subject to the risk of adverse social, political, regulatory, or economic events occurring in that country or region. Country- or region-specific risks also include the risk that adverse securities markets or exchange rates may impact the value of securities from those areas.

## Interest Rate

Most securities are subject to the risk that changes in interest rates will reduce their market value.

## Market/Market Volatility

The market value of the portfolio's securities may fall rapidly or unpredictably because of changing economic, political, or market conditions, which may reduce the value of the portfolio.

## Restricted/Illiquid Securities

Restricted and illiquid securities may fall in price because of an inability to sell the securities when desired. Investing in restricted securities may subject the portfolio to higher costs and liquidity risk.

## Derivatives

Investments in derivatives may be subject to the risk that the advisor does not correctly predict the movement of the underlying security, interest rate, market index, or other financial asset, or that the value of the derivative does not correlate perfectly with either the overall market or the underlying asset from which the derivative's value is derived. Because derivatives usually involve a small investment relative to the magnitude of liquidity and other risks assumed, the resulting gain or loss from the transaction will be disproportionately magnified. These investments may result in a loss if the counterparty to the transaction does not perform as promised.

## Leverage

Leverage transactions may increase volatility and result in a significant loss of value if a transaction fails. Because leverage usually involves investment exposure that exceeds the initial investment, the resulting gain or loss from a relatively small change in an underlying indicator will be disproportionately magnified.

## Fixed-Income Securities

The value of fixed-income or debt securities may be susceptible to general movements in the bond market and are subject to interest-rate and credit risk.

## Management

Performance is subject to the risk that the advisor's asset allocation and investment strategies do not perform as expected, which may cause the portfolio to underperform its benchmark, other investments with similar objectives, or the market in general. The investment is subject to the risk of loss of income and capital invested, and the advisor does not guarantee its value, performance, or any particular rate of return.

## Investment Risk:

*Foreign Securities Funds/Emerging Markets Funds: The*

# Disclosure

investor should note that funds that invest in foreign securities involve 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.

**Sector Funds:** The investor should note that funds that invest exclusively in one sector or industry involve additional risks. The lack of industry diversification subjects the investor to increased industry-specific risks.

**Non-Diversified Funds:** The investor should note that funds that invest more of their assets in a single issuer involve additional risks, including share price fluctuations, because of the increased concentration of investments.

**Small Cap Funds:** The investor should note that funds that invest in stocks of small companies involve additional risks. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies. Historically, smaller-company stocks have experienced a greater degree of market volatility than the overall market average.

**Mid Cap Funds:** The investor should note that funds that invest in companies with market capitalizations below \$10 billion involve additional risks. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

**High-Yield Bond Funds:** The investor should note that funds that invest in lower-rated debt securities (commonly referred to as junk bonds) involve additional risks because of the lower credit quality of the securities in the portfolio. The investor should be aware of the possible higher level of volatility, and increased risk of default.

**Tax-Free Municipal Bond Funds:** The investor should note that the income from tax-free municipal bond funds may be subject to state and local taxation and the Alternative Minimum Tax.

## Morningstar Style Box™

The Morningstar Style Box™ reveals a fund's investment style as of the date noted on this report.

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. Morningstar seeks credit rating information from fund companies on a periodic basis (e.g., quarterly). In compiling credit rating information Morningstar accepts credit ratings reported by fund companies that have been issued by all Nationally Recognized Statistical Rating Organizations (NRSROs). For a list of all NRSROs, please visit <http://www.sec.gov/divisions/marketreg/ratingagency.htm>.

Additionally, Morningstar accepts foreign credit ratings from widely recognized or registered rating agencies. If two rating organizations/agencies have rated a security, fund companies are to report the lower rating; if three or more organizations/agencies have rated a security, fund companies are to report the median rating, and in cases where there are more than two organization/agency ratings and a median rating does not exist, fund companies are to use the lower of the two middle ratings. PLEASE NOTE: Morningstar, Inc. is not itself an NRSRO nor does it issue a credit rating on the fund. An NRSRO or rating agency ratings can change from

time-to-time.

For credit quality, Morningstar combines the credit rating information provided by the fund companies with an average default rate calculation to come up with a weighted-average credit quality. The weighted-average credit quality is currently a letter that roughly corresponds to the scale used by a leading NRSRO. Bond funds are assigned a style box placement of "low", "medium", or "high" based on their average credit quality. Funds with a low credit quality are those whose weighted-average credit quality is determined to be less than "BBB-"; medium are those less than "AA-", but greater or equal to "BBB-"; and high are those with a weighted-average credit quality of "AA-" or higher. When classifying a bond portfolio, Morningstar first maps the NRSRO credit ratings of the underlying holdings to their respective default rates (as determined by Morningstar's analysis of actual historical default rates). Morningstar then averages these default rates to determine the average default rate for the entire bond fund. Finally, Morningstar maps this average default rate to its corresponding credit rating along a convex curve.

For interest-rate sensitivity, Morningstar obtains from fund companies the average effective duration. Generally, Morningstar classifies a fixed-income fund's interest-rate sensitivity based on the effective duration of the Morningstar Core Bond Index (MCBI), which is currently three years. The classification of Limited will be assigned to those funds whose average effective duration is between 25% to 75% of MCBI's average effective duration; funds whose average effective duration is between 75% to 125% of the MCBI will be classified as Moderate; and those that are at 125% or greater of the average effective duration of the MCBI will be classified as Extensive.

For municipal bond funds, Morningstar also obtains from fund companies the average effective duration. In these cases static breakpoints are utilized. These breakpoints are as follows: (i) Limited: 4.5 years or less; (ii) Moderate: more than 4.5 years but less than 7 years; and (iii) Extensive: more than 7 years. In addition, for non-US taxable and non-US domiciled fixed income funds static duration breakpoints are used: (i) Limited: less than or equal to 3.5 years; (ii) Moderate: greater than 3.5 and less than or equal to 6 years; (iii) Extensive: greater than 6 years.

## Prospectus Net Expense Ratio

The percentage of fund assets, net of reimbursements, used to pay for operating expenses and management fees, including 12b-1 fees, administrative fees, and all other asset-based costs incurred by the fund, except brokerage costs. Fund expenses are reflected in the fund's NAV. Sales charges are not included in the expense ratio.

## Prospectus Gross Expense Ratio

The percentage of fund 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 fund, except brokerage costs. Fund expenses are reflected in the fund's NAV. Sales charges are not included in the expense ratio.

## 12b-1 Fee

The maximum annual charge deducted from fund assets to pay for distribution and marketing costs. Although usually set

on a percentage basis, this amount will occasionally be a flat figure. Only active 12b-1 plans are represented here. This information is taken directly from the fund's prospectus. (Morningstar lists the maximum amount.)

## Portfolio Statistic Definitions

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

**P/B Ratio** Price/Book (P/B) Ratio is the weighted average of the price/book ratios of all the stocks in a portfolio.

**P/C Ratio** Price/Cash (P/C) Ratio represents the weighted average of the price/cash-flow ratios of the stocks in a portfolio.

**GeoAvgCap** Geometric Average Cap is the geometric mean of the market capitalization for all of the stocks the portfolio owned.

## Risk Measures

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

Beta is a measure of a fund's sensitivity to market movements. A portfolio with a beta greater than 1 is more volatile than the market, and a portfolio with a beta less than 1 is less volatile than the market.

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

Alpha measures the difference between a fund's actual returns and its expected performance, given its level of risk (as measured by beta).

R-squared reflects the percentage of a fund's movements that are explained by movements in its benchmark index, showing the degree of correlation between the fund and the benchmark.

Ameritas Life Insurance Corp. ("Ameritas Life") currently issues variable products in approved states (Forms #6150 and 6200, variable annuities, and Forms #4003 and 4051, variable life insurance). This investment option may also be available to policy owners of previously issued variable products no longer offered for sale, including those previously issued by The Union Central Life Insurance Company (merged with and into Ameritas Life Insurance Corp. in 2014) and Ameritas Life Insurance Corp. of New York. Variable products underwritten by affiliate Ameritas Investment Corp.

***This portfolio update must be preceded or accompanied by variable product prospectuses from the issuing company. The prospectuses include more details, such as investment objectives, risks, limitations, charges and expenses. Read them carefully before you direct your investment. Variable products are subject to investment risk, including the possible loss of principal.***

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## Disclosure

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