

Massachusetts Mutual Life Ins

Group Affiliation: MassMutual Financial Group
Address: 1295 State Street
 Springfield MA 01111
Phone: 413-788-8411

Domicile: MA
NAIC Number: 65935
Year Established: 1851
Company Type: Mutual

Ratings

A.M. Best Company(Best's Rating, 15 ratings)	A++ (1)
Standard & Poor's(Fin. Strength, 20 ratings)	AA+ (2)
Moody's(Fin. Strength, 21 ratings)	Aa2 (3)
Fitch Ratings(Fin. Strength, 21 ratings)	AA+ (2)
Weiss(Safety Rating, 16 ratings)	A- (3)
Comdex Ranking(Percentile in Rated Companies)	98

Assets & Liabilities

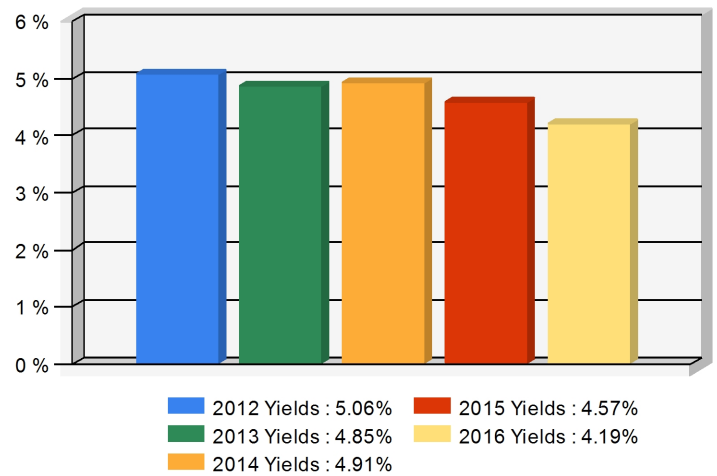
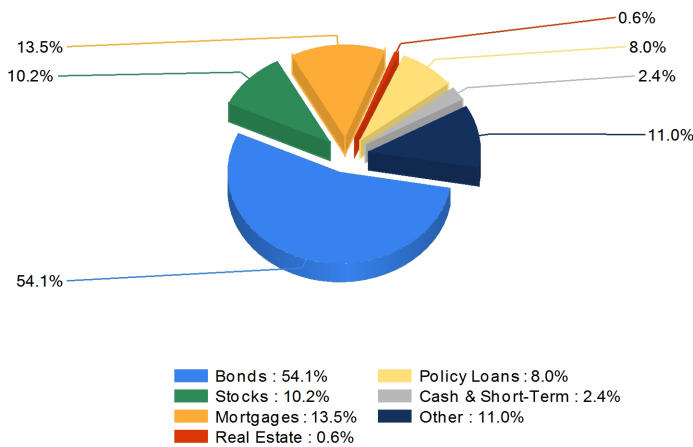
Total Admitted Assets	223,670,466
Total Liabilities	208,246,976
Separate Accounts	62,203,996
Total Surplus & AVR	18,601,498
As % of General Account Assets	11.5%

Invested Asset Distribution

Total Invested Assets 154,886,062

5 Year Investment Yields

5 Year Average 4.72%



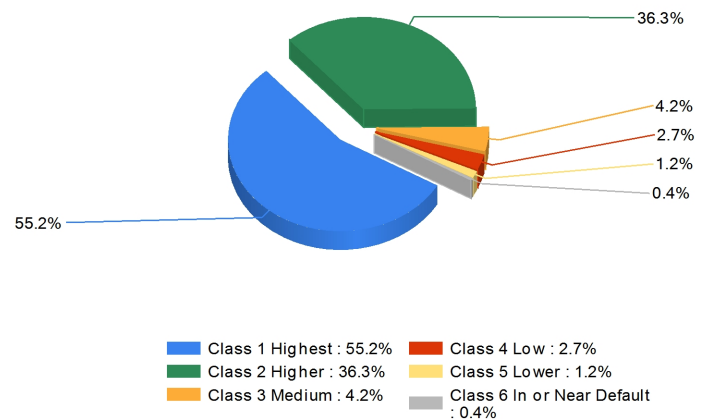
Non-Performing Assets

Bonds In or Near Default	1.9%
Problem Mortgages	0.0%
Real Estate Acquired by Foreclosure	0.0%
Total Non-Performing Assets/Surplus & AVR	1.9%
As a Percent of Invested Assets	0.2%

Bond Quality

Income & Earnings

Total Income	29,049,454
Net Premiums Written	21,408,423
Earnings Before Dividends and Taxes	1,433,741
Net Operating Earnings	194,529



A Best's Financial Strength Rating opinion addresses the relative ability of an insurer to meet its ongoing insurance obligations. It is not a warranty of a company's financial strength and ability to meet its obligations to policyholders. View our Important Notice: Best's Credit Ratings for a disclaimer notice and complete details at <http://www.ambest.com/ratings/notice>.

Data for Year-End 2016 from the life insurance companies' statutory annual statements. All dollar amounts are in thousands. All ratings shown are current as of October 13, 2017.

Presented by: CPI Companies, 513 Centennial Blvd, Voorhees, NJ 08043 Phone: 8568741250 Email: curta@cpicompanies.com