

Flex Extra Variable Annuity

Performance Update for the Period Ending July 31, 2008

This report gives information only about the performance of the investment options available through the contract. It does not give, and should not be understood to give, information about the overall performance of any Flex Extra variable annuity.

In most states, the Flex Extra product first became available on April 27, 1987. However, many of the investment funds were established before this date. Therefore, the investment performance figures in this report are calculated using the actual historical performance of the investment options for the periods shown, including during periods before the product was available for sale.

- THE PERFORMANCE DATA QUOTED IS PAST PERFORMANCE
- PAST PERFORMANCE IS NO INDICATION OF FUTURE RESULTS
- THE INVESTMENT RETURN AND PRINCIPAL VALUE OF THE INVESTMENT ACCOUNTS WILL FLUCTUATE SO THE VALUE FOR THE ACCOUNTS MAY BE MORE OR LESS THAN THE PURCHASE PAYMENTS PAID
- THIS UPDATE CONTAINS THE MOST RECENT MONTH-END AND QUARTER-END PERFORMANCE AND EXPIRES WHEN THE NEXT MONTH-END PERFORMANCE IS POSTED
- SINCE PERFORMANCE CHANGES DAILY, THE CURRENT PERFORMANCE MAY BE LOWER OR HIGHER THAN THE PERFORMANCE REFLECTED IN THIS UPDATE
- INVESTMENT RETURNS AND PRINCIPAL VALUE WILL FLUCTUATE SO WHEN UNITS ARE REDEEMED, THEY MAY BE WORTH MORE OR LESS THAN THEIR ORIGINAL COST
- MONTHLY UPDATES ARE POSTED ON OUR WEBSITE AT WWW.MASSMUTUAL.COM OR BY CALLING OUR CUSTOMER SERVICE CENTER AT (800) 272-2216, PRESS 2; MONDAY THROUGH FRIDAY, 8:00 A.M. TO 8:00 P.M. (ET)
- FLEX EXTRA VARIABLE ANNUITY IS SOLD BY PROSPECTUS. BEFORE PURCHASING A VARIABLE ANNUITY CONTRACT, INVESTORS SHOULD CAREFULLY CONSIDER THE INVESTMENT OBJECTIVES, RISKS, CHARGES AND EXPENSES OF THE VARIABLE ANNUITY CONTRACT AND ITS UNDERLYING INVESTMENT CHOICES. FOR THIS AND OTHER INFORMATION, OBTAIN THE PROSPECTUSES FOR FLEX EXTRA VARIABLE ANNUITY AND ITS UNDERLYING INVESTMENT CHOICES FROM YOUR REGISTERED REPRESENTATIVE. PLEASE READ THE PROSPECTUSES CAREFULLY BEFORE INVESTING OR SENDING MONEY.

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| <ul style="list-style-type: none">▪ NOT A BANK OR CREDIT UNION DEPOSIT OR OBLIGATION▪ NOT FDIC OR NCUA-INSURED▪ NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY▪ NOT GUARANTEED BY ANY BANK OR CREDIT UNION▪ MAY GO DOWN IN VALUE |
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Variable annuities offer Fixed Accounts, Death Benefit choices, a broad array of investment styles and asset classes and multiple methods to receive an income stream including a guaranteed income for life.¹ Be sure to discuss the variety of features variable annuities offer with your financial professional to help create a retirement plan strategy that is right for you.

¹ *Payment of lifetime income is contingent upon the claims paying ability of the issuing company or companies.*



Massachusetts Mutual Life Insurance Company
and affiliates, Springfield, MA 01111-0001

www.massmutual.com

Issuer: Massachusetts Mutual Life Insurance Company
1295 State Street, Springfield, MA 01111-0001
Policy Form #933-1A-8600 and 933-1A-8800

Principal Underwriter: MML Distributors, LLC
1295 State Street, Springfield, MA 01111-0001
A wholly owned subsidiary of Massachusetts Mutual Life Insurance Company
1295 State Street, Springfield, MA 01111-0001

Average Annual Total Returns – Reflect Fund and Separate Account Level Charges*

*These Average Annual Total Returns reflect total separate account expenses of 1.30% and all fund level expenses. These returns do not reflect contingent deferred sales charges, the annual maintenance charge, or premium taxes. Their inclusion would reduce the returns shown. For periods of one year or less, it is the percentage change in an Accumulation Unit. For periods greater than one year, it is the effective annual compounded rate of return. Many of the investment funds listed below were established before the contract was offered for sale (4/27/87). Performance numbers for periods that pre-date the contract's availability are hypothetical, although calculated using the fund's actual historical performance.

<i>Asset Class</i>	<i>Investment Choice Name¹ (Inception)</i>	<i>Year to Date (Cumulative) 7/31/08</i>	<i>1 Year⁷ 7/31/07- 7/31/08</i>	<i>3 Year 7/31/05- 7/31/08</i>	<i>5 Year 7/31/03- 7/31/08</i>	<i>10 Year 7/31/98- 7/31/08 or Since Inception of Fund⁸</i>
International/Global	Oppenheimer Global Securities/VA (11/12/90) ⁵	-14.91%	-15.02%	4.03%	11.01%	7.89%
Small/Mid Cap Growth	Oppenheimer MidCap (8/15/86) ⁴	-14.34%	-13.56%	-1.76%	4.32%	1.69%
Large Cap Value	MML Equity (9/15/71) ²	-15.29%	-18.14%	0.62%	5.69%	0.50%
Asset Allocation/ Balanced	MML Blend (2/3/84) ²	-8.17%	-5.62%	2.43%	4.97%	1.45%
Fixed Income	MML Managed Bond (12/16/81) ²	-0.59%	3.64%	2.69%	3.18%	3.91%
	Oppenheimer Strategic Bond/VA (5/3/93) ⁶	0.88%	5.66%	5.19%	6.49%	4.98%
Short-Term/Stable Value	MML Money Market (12/16/81) ^{2,3}	0.63%	1.96%	2.67%	1.52%	1.92%

Average Annual Total Returns – Reflect Fund, Separate Account and Contract Level Charges**

**These Average Annual Total Returns reflect total separate account expenses of 1.30%, annual maintenance charge (contract level charges) of \$30.00 for the Flex Extra Flexible Payment Contract, contingent deferred sales charges (CDSC)(8%-year one since contract issued, 8%-year two since contract issued, 7%-year three since contract issued, 6%-year four since contract issued, 5%-year five since contract issued, 4%-year six since contract issued, 3%-year seven since contract issued, 2%-year eight since contract issued, 1%-year nine since contract issued, 0%-year ten since contract issued and thereafter) for the Flex Extra Flexible Payment Contract, and all fund level expenses. These returns do not reflect premium taxes, if any. Their inclusion would reduce the returns shown. The returns do not reflect the contract level charges for the Flex Extra Single Payment Contract. The lower contract level charges for the Flex Extra Single Payment Contract would increase the returns shown. For periods of one year or less, it is the percentage change in an Accumulation Unit. For periods greater than one year, it is the effective annual compounded rate of return. Please note that the amount of the CDSC depends on the amount you withdraw or apply to an annuity option and the length of time between when we issue your contract and when you make a withdrawal or apply your contract value to an annuity option.

<i>Asset Class</i>	<i>Investment Choice Name¹ (Inception)</i>	<i>Year to Date (Cumulative) 7/31/08</i>	<i>1 Year⁷ 7/31/07- 7/31/08</i>	<i>3 Year 7/31/05- 7/31/08</i>	<i>5 Year 7/31/03- 7/31/08</i>	<i>10 Year 7/31/98- 7/31/08 or Since Inception of Fund⁸</i>
International/Global	Oppenheimer Global Securities/VA (11/12/90) ⁵	-21.63%	-21.74%	1.24%	9.54%	7.44%
Small/Mid Cap Growth	Oppenheimer MidCap (8/15/86) ⁴	-21.19%	-20.47%	-4.58%	2.75%	1.03%
Large Cap Value	MML Equity (9/15/71) ²	-22.29%	-24.94%	-2.42%	3.94%	-0.55%
Asset Allocation/ Balanced	MML Blend (2/3/84) ²	-15.48%	-13.12%	-0.48%	3.35%	0.68%
Fixed Income	MML Managed Bond (12/16/81) ²	-7.93%	-4.00%	0.30%	2.06%	3.75%
	Oppenheimer Strategic Bond/VA (5/3/93) ⁶	-6.50%	-2.07%	2.81%	5.40%	4.87%
Short-Term/Stable Value	MML Money Market (12/16/81) ^{2,3}	-6.68%	-5.44%	0.40%	0.53%	1.86%

- The returns for all funds assume they had been part of the contract for the periods shown and reflect applicable charges. Inception date of the contract was 4/27/87. The Oppenheimer Funds were added to the contract 9/12/94.
- Although these Funds commenced operations on the inception dates shown, the information necessary to calculate returns is available only for 1987 and later years.
- An investment in the Money Market Fund is neither insured nor guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Although the Money Market Fund seeks to preserve the value of your investment at \$1.00 per share, it is possible to lose money by investing in the Fund.
- Although Oppenheimer MidCap/VA commenced operations on 8/15/86, the information necessary to calculate returns is available only for 1988 and later years. Prior to May 1, 2006, Oppenheimer MidCap/VA was known as Oppenheimer Aggressive Growth/VA.
- There are special risks associated with international investing, such as political changes and currency fluctuation. These risks are heightened in emerging markets.
- Investments in high yielding debt securities are generally subject to greater market fluctuations and risk of loss of income and principal than are investments in lower yielding debt securities.
- Due to ongoing market volatility, rates of return may be subject to substantial short-term fluctuations. Current rates of return may be lower than the rates of return shown above.
- The percentages will be based on the earliest of either 10 years or the funds inception.

Interest Rates

Guaranteed Principal Account *Interest rates are annualized. They do not reflect contract charges, the inclusion of which would reduce the return shown.*

Interest Rate as of: 3/1/08 3.50% 4/1/08 3.50% 5/1/08 3.50% 6/1/08 3.50% 7/1/08 3.50% 8/1/08 3.50%

Secondary Guaranteed Rate for 2007: 3.50%

Standardized Total Returns through 6/30/08

These are SEC required returns for 1, 5 and 10 years or since inception of the funds within the contract (MML Funds 4/27/87; Oppenheimer Funds 9/12/94). The numbers assume a single \$1,000 payment made at the beginning of the period and full redemption at the end. They assume that the contract is redeemed and reflect total separate account expenses of 1.30%, annual maintenance charge (contract level charges) of \$30.00 for the Single Purchase Payment Contract and \$35.00 for the Flexible Purchase Payment Contract, contingent deferred sales charges (CDSC) for the Single Purchase Payment Contract (5%-year one since contract issued, 4%-year two since contract issued, 3%-year three since contract issued, 2%-year four since contract issued, 1%-year five since contract issued, 0%-year six since contract issued and thereafter) and for the Flexible Purchase Payment Contract (8%-year one since contract issued, 8%-year two since contract issued, 7%-year three since contract issued, 6%-year four since contract issued, 5%-year five since contract issued, 4%-year six since contract issued, 3%-year seven since contract issued, 2%-year eight since contract issued, 1%-year nine since contract issued, 0%-year ten since contract issued and thereafter), and all fund level expenses. These returns do not reflect premium taxes, if any. Their inclusion would reduce the returns shown. Please note that the amount of the CDSC depends on the amount you withdraw or apply to an annuity option and the length of time between when we issue your contract and when you make a withdrawal or apply your contract value to an annuity option.

		<i>Flexible Purchase Payment Contract</i>		
<i>Asset Class</i>	<i>Sub-Account (Date fund was made available to the separate account)</i>	<i>1 Year¹</i>	<i>5 Year</i>	<i>10 Year or Since Inception Within the Separate Account</i>
International/Global	Oppenheimer Global Securities (9/12/94)	-22.87%	10.65%	7.52%
Small/Mid Cap Growth	Oppenheimer MidCap (9/12/94) ²	-19.02%	5.06%	0.58%
Large Cap Value	MML Equity (4/27/87)	-25.91%	5.05%	-0.65%
Asset Allocation/ Balanced	MML Blend (4/27/87)	-14.41%	3.45%	0.54%
Fixed Income	MML Babson Bond (4/27/87)	-2.27%	1.42%	3.80%
	Oppenheimer Strategic Bond (9/12/94)	-1.34%	5.16%	5.03%
Short-Term/Stable Value	MML Money Market (4/12/87)	-5.21%	0.51%	1.89%

		<i>Single Purchase Payment Contract (not available for new sales)</i>		
<i>Asset Class</i>	<i>Sub-Account (Date fund was made available to the separate account)</i>	<i>1 Year¹</i>	<i>5 Year</i>	<i>10 Year or Since Inception Within the Separate Account</i>
International/Global	Oppenheimer Global Securities (9/12/94)	-20.53%	11.53%	7.58%
Small/Mid Cap Growth	Oppenheimer MidCap (9/12/94) ²	-16.56%	5.92%	0.69%
Large Cap Value	MML Equity (4/27/87)	-23.62%	5.94%	-0.49%
Asset Allocation/ Balanced	MML Blend (4/27/87)	-11.81%	4.31%	0.65%
Fixed Income	MML Babson Bond (4/27/87)	0.59%	2.20%	3.82%
	Oppenheimer Strategic Bond (9/12/94)	1.55%	5.96%	5.04%
Short-Term/Stable Value	MML Money Market (4/12/87)	-2.44%	1.26%	1.89%

1. Due to ongoing market volatility, rates of return may be subject to substantial short-term fluctuations. Current rates of return may be lower than the rates of return shown above.
2. Prior to May 1, 2006, Oppenheimer MidCap was known as Oppenheimer Aggressive Growth.