

## A Supplemental Illustration Summary

### MassMutual Survivorship Whole Life 100 with Survivorship Life Insurance Supplement Rider (LISR)

**Prepared for:**

Valued Client

Valued Client

**Presented by:**

MassMutual Strategic Distributors

1295 State Street

Springfield, MA 01111

Agent Telephone Number: (800) 601-9983

January 5, 2022

**The decision to purchase life insurance should be based on long-term financial goals and the need for a death benefit. Life insurance is not an appropriate vehicle for short-term savings or short-term investment strategies. While the policy allows for loans, you should know that there may be little to no cash value available for loans in the policy's early years.**

This supplemental life insurance illustration summary is not valid unless accompanied by or preceded by a MassMutual Survivorship Whole Life 100 with Survivorship Life Insurance Supplement Rider (LISR) Basic Illustration dated January 5, 2022. **Refer to the Basic Illustration for guaranteed elements and other important information.**

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# Whole Life Insurance Summary

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Whole life insurance is a tax-efficient asset that provides: Permanent lifetime coverage with guaranteed level premiums, cash value accumulation and the ability to leave a financial legacy.

## Key features and benefits include:

- Guaranteed level premiums.
- Guaranteed, tax-deferred increases in cash value, regardless of market fluctuations or conditions.
- Guaranteed death benefit protection.
- Tax-advantaged access to cash values through partial surrenders or loans for any reason, such as to supplement retirement income.<sup>1</sup>
- A death benefit that is generally received income tax-free.
- Potential to receive dividends. While dividends are not guaranteed, MassMutual has paid them to eligible participating policyowners every year since 1869
- Additional optional benefits and flexibility

## The information in this report is based on the following Policy assumptions:

Policy Name: Survivorship Whole Life 100

1<sup>st</sup> Insured Gender/Issue Age: Male, Age 55

1<sup>st</sup> Insured Underwriting Class: Ultra Preferred Non-Tobacco

2<sup>nd</sup> Insured Gender/Issue Age: Female, Age 55

2<sup>nd</sup> Insured Underwriting Class: Ultra Preferred Non-Tobacco

Initial Dividend Option: LISR/Flex

Loan Interest Rate: 4.75% Adjustable

Initial Death Benefit: \$1,000,000.00

Total Initial Premium<sup>2</sup>: \$10,675.73

Riders Included:<sup>2</sup>

- Life Insurance Supplement Rider (LISR)

<sup>1</sup> Distributions under the policy (including cash dividends and partial/full surrenders) are not subject to taxation up to the amount paid into the policy (cost basis). If the policy is a Modified Endowment Contract, policy loans and/or distributions are taxable to the extent of gain and are subject to a 10% tax penalty if the policyowner is under age 59 1/2.

Access to cash values through borrowing or partial surrenders will reduce the policy's cash value and death benefit, increase the chance the policy will lapse, and may result in a tax liability if the policy terminates before the death of the insured.

<sup>2</sup> The initial annualized premium may include the cost of riders chosen. Refer to the Basic Illustration for specific charges. Riders are available at an additional cost, or there is a charge when the rider is exercised. Availability of some riders may be limited based on issue age or state of issue.

## Illustration Summary

The following information is a general summary of the values of the whole life policy being illustrated and reflect non-guaranteed values. You should review the policy's Basic Illustration for greater detail about the product's guarantees, features, and values.

Year	Age End Year	Annual Net Outlay	Cumulative Net Outlay	Net Cash Value End Year	Net Annual Cash Value Increase	Net Death Benefit Beg Year
1	56	10,676	10,676	820	820	1,000,000
2	57	10,676	21,351	3,495	2,675	1,000,000
3	58	10,676	32,027	13,125	9,630	1,000,000
4	59	10,676	42,703	23,171	10,046	1,000,000
5	60	10,676	53,379	33,678	10,507	1,000,000
6	61	10,676	64,054	44,670	10,992	1,000,000
7	62	10,676	74,730	56,130	11,460	1,000,000
8	63	10,676	85,406	68,121	11,991	1,000,000
9	64	10,676	96,082	80,638	12,517	1,000,000
10	65	10,676	106,757	93,727	13,089	1,000,000
11	66	10,676	117,433	107,625	13,899	1,000,000
12	67	10,676	128,109	122,622	14,997	1,000,000
13	68	10,676	138,784	138,636	16,014	1,000,000
14	69	10,676	149,460	155,748	17,112	1,000,000
15	70	10,676	160,136	173,975	18,228	1,000,000
16	71	10,676	170,812	193,477	19,502	1,000,000
17	72	10,676	181,487	214,094	20,617	1,000,000
18	73	10,676	192,163	235,847	21,753	1,000,000
19	74	10,676	202,839	258,781	22,934	1,000,000
20	75	10,676	213,515	282,911	24,130	1,000,000
21	76	10,676	224,190	307,724	24,813	1,000,000
22	77	10,676	234,866	333,645	25,920	1,000,000
23	78	10,676	245,542	360,623	26,979	1,000,000
24	79	10,676	256,218	388,599	27,975	1,000,000
25	80	10,676	266,893	417,456	28,857	1,000,000

**This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.**

This illustration is not valid unless accompanied or preceded by a Massachusetts Mutual Life Insurance Company Survivorship Whole Life Basic Life Insurance Illustration dated 01/05/2022. Refer to the Basic Illustration for guaranteed elements, assumptions, explanations and other important information.

## Illustration Summary

Year	Age End Year	Annual Net Outlay	Cumulative Net Outlay	Net Cash Value End Year	Net Annual Cash Value Increase	Net Death Benefit Beg Year
26	81	10,676	277,569	447,058	29,602	1,000,000
27	82	10,676	288,245	477,305	30,247	1,000,000
28	83	10,676	298,920	508,087	30,782	1,000,000
29	84	10,676	309,596	539,233	31,146	1,000,000
30	85	10,676	320,272	570,517	31,284	1,000,000
31	86	10,676	330,948	601,412	30,895	1,000,000
32	87	10,676	341,623	631,782	30,370	1,000,000
33	88	10,676	352,299	661,346	29,564	1,000,000
34	89	10,676	362,975	689,782	28,436	1,000,000
35	90	10,676	373,651	716,879	27,097	1,000,000
36	91	10,676	384,326	742,547	25,668	1,000,000
37	92	10,676	395,002	766,849	24,303	1,000,000
38	93	10,676	405,678	789,979	23,130	1,000,000
39	94	10,676	416,353	812,717	22,738	1,000,000
40	95	10,676	427,029	835,969	23,252	1,000,000
41	96	10,676	437,705	860,868	24,899	1,000,000
42	97	10,676	448,381	888,386	27,518	1,000,000
43	98	10,676	459,056	920,833	32,447	1,000,000
44	99	10,676	469,732	962,128	41,295	1,000,000
45	100	10,668	480,400	1,019,240	57,112	1,000,000
46	101	0	480,400	1,072,885	53,645	1,019,240
47	102	0	480,400	1,129,411	56,526	1,072,885
48	103	0	480,400	1,188,973	59,562	1,129,411
49	104	0	480,400	1,251,733	62,760	1,188,973
50	105	0	480,400	1,317,863	66,130	1,251,733
51	106	0	480,400	1,387,545	69,681	1,317,863
52	107	0	480,400	1,460,968	73,423	1,387,545
53	108	0	480,400	1,538,335	77,366	1,460,968
54	109	0	480,400	1,619,855	81,521	1,538,335
55	110	0	480,400	1,705,754	85,898	1,619,855

**This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.**

This illustration is not valid unless accompanied or preceded by a Massachusetts Mutual Life Insurance Company Survivorship Whole Life Basic Life Insurance Illustration dated 01/05/2022. Refer to the Basic Illustration for guaranteed elements, assumptions, explanations and other important information.

## Illustration Summary

Year	Age End Year	Annual Net Outlay	Cumulative Net Outlay	Net Cash Value End Year	Net Annual Cash Value Increase	Net Death Benefit Beg Year
56	111	0	480,400	1,796,265	90,511	1,705,754
57	112	0	480,400	1,891,637	95,372	1,796,265
58	113	0	480,400	1,992,130	100,493	1,891,637
59	114	0	480,400	2,098,019	105,890	1,992,130
60	115	0	480,400	2,209,595	111,576	2,098,019
61	116	0	480,400	2,327,163	117,567	2,209,595
62	117	0	480,400	2,451,043	123,881	2,327,163
63	118	0	480,400	2,581,577	130,533	2,451,043
64	119	0	480,400	2,719,120	137,543	2,581,577
65	120	0	480,400	2,864,048	144,929	2,719,120
66	121	0	480,400	3,016,760	152,712	2,864,048

**This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.**

This illustration is not valid unless accompanied or preceded by a Massachusetts Mutual Life Insurance Company Survivorship Whole Life Basic Life Insurance Illustration dated 01/05/2022. Refer to the Basic Illustration for guaranteed elements, assumptions, explanations and other important information.

Since 1851, our business decisions have been guided by our customers' needs. Today, we offer a wide range of financial products and services to help people secure their future and protect the ones they love.

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**The products and/or certain features may not be available in all states. State variations will apply.**

Whole Life Legacy Series policies (Policy Forms: MMWL-2018 and ICC18-MMWL in certain states, including North Carolina), and MassMutual Whole Life series policies on the Coverpath platform (Policy Forms: WL-2018 and ICC18WL in certain states, including North Carolina) are level-premium, participating, permanent life insurance policies issued by Massachusetts Mutual Life Insurance Company (MassMutual), Springfield, MA 01111-0001.

CRN283906

# Survivorship Whole Life 100 with Survivorship Life Insurance Supplement Rider (LISR) Basic Life Insurance Illustration

**Prepared for:**

Valued Client  
Male, Age 55 and

Valued Client  
Female, Age 55

**Presented by:**

MassMutual Strategic Distributors  
1295 State Street  
Springfield, MA 01111  
Agent Telephone Number: (800) 601-9983

January 5, 2022

**CRN: 284140**

## Narrative Summary

**Survivorship Whole Life 100** is a permanent life insurance policy with a guaranteed death benefit that is payable after both insureds have died. Premiums are payable to Age 100 of the younger insured. The policy also includes the Life Insurance Supplement Rider (LISR). This illustration is neither a projection nor estimate of future benefits and assumes that the currently illustrated non-guaranteed elements will continue unchanged for all years shown. This is not likely to occur. Actual results may be more or less favorable than those shown.

### Client Information

Prepared for (1 <sup>st</sup> Insured)	Valued Client, Male, Age 55
Underwriting Class	Ultra Preferred Non-Tobacco
Prepared for (2 <sup>nd</sup> Insured)	Valued Client, Female, Age 55
Underwriting Class	Ultra Preferred Non-Tobacco

**All coverages, premiums, riders and underwriting classes are subject to Home Office approval.**

**You may be required to provide medical information, and an exam may be necessary.**

### Policy Information

Issuing Company	Massachusetts Mutual Life Insurance Company
Policy	Survivorship Whole Life 100 with Premiums Payable to Age 100
Generic Policy Name	Survivorship Whole Life Policy
Policy Form Number	ICC15SWL
MEC Status	No
Initial Base Dividend Option	LISR/Flex

### Initial Premium Information

Premium Payment Mode	Annual
Base Premium	\$10,020.00
LISR Premium First Year	\$655.73
Accelerated Death Benefit for Terminal Illness Rider (No Premium Charge)	
Policy Split Option (No Premium Charge)	
Total Initial Premium	\$10,675.73

### Initial Coverage Information

Base Policy Face Amount	\$500,000.00
LISR Target Face Amount (TFA)	\$500,000.00
Total Initial Death Benefit	\$1,000,000.00

**Dividends are not guaranteed and are subject to significant fluctuations over the lifetime of the policy. Changes in dividends will change all Non-Guaranteed values shown in this illustration.**

**What is Survivorship Whole Life 100?** Survivorship Whole Life 100 is a permanent life insurance policy providing a guaranteed face amount. Premiums are payable to Age 100 of the younger insured. The duration of premiums for riders varies according to the terms of the rider. The policy provides for cash value accumulation and for the payment of dividends as may be determined by the company.



## Narrative Summary

**Survivorship Life Insurance Supplement Rider (LISR)** This Rider combines one year term insurance and paid-up additional insurance that provides coverage in addition to the amount of the basic policy. The rider death benefit is level, referred to as the Target Face Amount (TFA), and is selected by the policyowner at the time of application. The TFA is term and paid-up additional insurance. Every year, rider premiums, less a premium expense charge and any applicable modal charges, and policy dividends, are used to purchase one-year term insurance, paid-up insurance additions or a combination of both to equal the TFA. The mix of term insurance and paid-up additions in the TFA changes each year.

It is anticipated, but not guaranteed, that over time the amount of term insurance will decrease and the amount of paid-up additions will increase - until the crossover year. The crossover year is the point in time when the paid-up additional insurance death benefit is equal to the TFA and the purchase of one-year term is no longer necessary. Based on the illustrated dividend schedule, the crossover for this policy occurs in policy year 45 based on assumptions in the Tabular Values. In the event of a dividend decrease, the initial level of death benefit coverage may not be able to be maintained even if all illustrated cash premium payments are made. Future additional premium payments may be required in order to maintain the initial level death benefit.

The premium expense charge is guaranteed not to exceed 12% of any rider premium paid in future years, and is currently equal to 10% of any rider premium. The term charge rate schedule for the one-year term insurance coverage is not guaranteed.

If you were to change your dividend option from LISR/Flex, no additional premiums may be paid for this rider and the Target Face Amount of this rider will be reduced because no more one-year term can be purchased.

**IMPORTANT INFORMATION REGARDING CONTRACT PREMIUM AND CONTRACT PREMIUM FOR GTD VALUES:** In the Numeric Summary/Signature page and Tabular Values report which will follow this Narrative Summary, the Contract Premium Beg Year column includes LISR premium payable during the LISR payment period. The Contract Prem for Gtd Values Beg Year column includes this same LISR premium if the TFA remains in effect under guaranteed assumptions. Under these guaranteed assumptions, the illustrated LISR premium may purchase less death benefit each year than that shown based upon non-guaranteed values. LISR will terminate when the death benefit falls below the \$50,000 minimum.

**If LISR terminates, no further LISR premium payments may be made. Alternatively, in order to maintain the TFA under guaranteed assumptions, you would have to pay an increasing LISR premium each year until age 100, at which time LISR will terminate and no LISR death benefit will thereafter be payable.**

Important reminder - Once issued, if you want to change the LISR premium, this will not happen automatically. A Request for Amendment of Contract (form F5264) must be completed during the 90 day window beginning 60 days prior to the policy anniversary.

Please refer to the LISR Information page for details and limitations.

**What This Illustration Shows** This illustration describes the important features of this MassMutual Survivorship Whole Life 100 life insurance policy with LISR (also known as the Life Insurance Supplement Rider) and shows values over time on a guaranteed and non-guaranteed basis. It is designed to help you understand how this policy works. It is not a projection of how it will perform.

The following pages provide a summary (and year-by-year figures) for required premiums, cash surrender values and death benefits, anticipated out-of-pocket premium payments, and other values for this policy. **Many of the values contained in this illustration depend on non-guaranteed dividends.**

Your illustration may show policy changes, such as face amount decreases, dividend option changes, the Alternate Payment Option (APO) strategy, loans, surrenders or changes to certain rider premiums. Policy changes are not automatic. You must submit a request to our Home Office.

## Narrative Summary

**IMPORTANT INFORMATION ABOUT DIVIDENDS** Survivorship Whole Life 100 is a participating policy and is eligible to receive dividends, which are not guaranteed. The non-guaranteed values shown in this illustration are based on the company's 2022 dividend schedule. This illustration assumes a policy with an adjustable policy loan interest rate provision. Dividends are a reflection of the company's mortality experience (death claims), investment earnings and expenses, and will change over time. **This illustration is neither a projection nor estimate of future benefits and assumes that the currently illustrated non-guaranteed elements will continue unchanged for all years shown. This is not likely to occur. Actual results may be more or less favorable than those shown. For this reason, we strongly recommend reviewing an illustration showing a lower dividend schedule to see the impact this would have on policy values.** *Transfer of policy ownership to a qualified pension or profit sharing plan could result in different dividends.*

*This illustration assumes that the dividend option is LISR/Flex for all years shown.* Under this option, dividends if any, together with your LISR payments and the surrender, as necessary, of paid-up additions are used to pay for the LISR amount of one-year term insurance. If the dividends together with your LISR payments and the surrendered value of paid-up additions are insufficient to pay for the cost of the one-year term insurance, you will be billed for the difference. Failure to pay the difference will result in the TFA being reduced so that the LISR is reduced paid in full. When LISR becomes reduced paid in full no additional premiums may be paid for the rider. Prior to the crossover age any part of the dividend which is not used to purchase one-year term insurance under the LISR will be used to purchase paid-up additions.

### **Additional Coverage Provided by Rider(s)**

**Accelerated Death Benefit for Terminal Illness of Surviving Insured Rider (ABR):** The Accelerated Death Benefit for Terminal Illness of Surviving Insured Rider allows the policyowner to receive an advance of policy death benefits when MassMutual receives satisfactory proof the surviving insured has a terminal illness expected to result in death within the period set forth in the rider. The funds may be used for any purpose. This rider terminates upon acceleration. There is no cost for the addition of this rider however there is a fee if the rider is exercised.

**Policy Split Option Rider (PSO):** The Policy Split Option allows for the right to exchange the policy for two new single life policies, one on the life of each insured, without evidence of insurability. The PSO rider may only be exercised when certain events occur, such as divorce, dissolution of a corporation or partnership or changes in the federal estate tax laws. There is no cost for the addition of this rider, however, if the rider is exercised there is a fee and a cost to exchange.

### **IMPORTANT TAX INFORMATION**

**Based on the illustrated dividend schedule, this policy would not become a Modified Endowment Contract (MEC) under the Internal Revenue Code based on the assumptions in this illustration.**

- **not a MEC, based on the Basic (Tabular Values) illustration**

**Changes to the assumptions as illustrated could cause the policy to become a MEC or change the year that the policy is illustrated to become a MEC.**

A Modified Endowment Contract (MEC) distinguishes between a policy purchased primarily for death protection and a policy purchased primarily for the tax advantages afforded to life insurance cash values. Once a policy is classified as a MEC, it receives less advantageous federal income tax treatment (see below). To determine if a contract is a MEC, a premium limit (the MEC limit) is established for the maximum amount of premium allowed during the first seven years, based upon rules set by the Internal Revenue Code. Under the MEC test, a MEC results if the cumulative amount paid at any time in the first seven years exceeds the cumulative MEC limit applicable in that policy year. Certain changes to the policy can subject the policy to MEC testing beyond the first seven years or can cause premiums already paid to be re-tested. If the benefits under the contract are reduced, previously paid premium will be tested against a revised MEC limit and the policy could become a MEC retroactively.

Surrenders and distributions are subject to income tax to the extent they exceed the policy's cost basis. If the policy is a MEC, distributions and loans are taxable to the extent of gain and may be subject to a 10% tax penalty.

Death benefit proceeds from this policy are generally excludable from the beneficiary's gross income for income tax purposes (IRC Section 101(a)(1)). Policy loans on non-MEC policies are not treated as distributions or subject to income tax when taken (IRC Section 72). However, if the policy is not held until second death, taxes are generally due on surrender or lapse and may in fact exceed the policy's Net Surrender Value if prior loans and surrenders were extensive.

## Narrative Summary

The information provided above is not written or intended as specific tax advice. MassMutual, its subsidiaries, employees and representatives are not authorized to give tax or legal advice. Individuals are strongly encouraged to seek advice from their own personal tax or legal counsel.

### Interest Adjusted Cost (IAC) Comparison Index

	Policy Year	
	10	20
Life Insurance Surrender Cost Index	\$6.66	\$4.51
Life Insurance Net Payment Cost Index	\$18.65	\$16.41

The Interest Adjusted Cost Comparison Indices provide two means of comparing the relative cost of similar plans of insurance issued by the same company or by different companies. A low index number represents a lower cost than a higher one. These indices reflect the time value of money by applying a 5% interest factor to policy premiums, dividends, and for the surrender cost index, the 10 and 20 year cash values. The dividends used in calculating these indices are based on the illustrated dividend schedule and are neither guarantees nor estimates of future dividends.

The indices do not consider: (1) the value of the services of an agent or company; (2) the relative strength and reputation of the company and its actual dividend performance; or (3) differences in the policy provisions.

This illustration does not recognize the time value of money and should not be used to compare policy costs.

### Additional Information About This Illustration

The fully allocated expense method is used to allocate overhead expenses for all illustrations.

This illustration, using a 4.75% policy loan interest rate, is for a policy issued in Arizona on January 05, 2022. This rate may change on each policy anniversary date. This illustration assumes no policy loans.

### Key Terms Used in the Illustration

**Attained Age:** Issue age plus policy duration years.

**Beg Year:** The first day of the policy year. All premium payments and other outlays are assumed to be made at the beginning of the year.

**Completion Premium:** The Completion Premium is the smallest level LISR premium, at the frequency elected, that is needed every year, based upon the current dividend schedule and current One-Year Term Charge Rates for LISR, that would result in LISR becoming paid in full on the Policy Anniversary Date nearest the younger Insured's Attained Age 100.

**Death Benefit:** The amount payable upon death of the surviving insured.

**End Year:** The last day of the policy year. Dividends are assumed to be credited on this date. All cash values are shown as of the end of the policy year.

**Midpoint Assumptions:** Values are calculated assuming that the dividends are reduced by 50% and any policy charges included are an average between the guaranteed and non-guaranteed charges.

### Column Heading Definitions

**Age End Year:** The age of the younger insured at the end of the policy year.

**Amount of One Year Term Beg Year:** The annual amount of term insurance purchased under the LISR.

**Annual Dividend Beg Year:** The total amount of annual dividend payable. These values are based on the illustrated dividend schedule and are not guaranteed.

**Annual Net Outlay Beg Year:** This is the out-of-pocket cost, which is comprised of the Contract Premium and adjusted for any dividends, Paid-Up Additions, cash value released, loans taken, loan repayments made or taxes due at the beginning of the policy year.

## Narrative Summary

**Cash Value of Additions End Year:** The total cash value as of the end of the policy year of the paid-up additions purchased by the LISR payments, and dividends earned on the LISR payments, and the base policy. These values are based on the illustrated dividend schedule and are not guaranteed.

**Contract Prem for Gtd Values Beg Year:** The gross premium that is required to be paid at the beginning of the policy year for the guaranteed values and benefits shown in this illustration.

**Contract Premium Beg Year:** The gross premium that is required to be paid at the beginning of the policy year for the benefits shown in this illustration.

**Cumulative Net Outlay:** The total of Contract Premium adjusted for any dividends, paid-up additions surrendered, cash value released, loans taken or repaid or taxes due at the beginning of the year.

**Guaranteed Cash Value End Year:** The cash value which is guaranteed under this policy based upon the illustrated Contract Premium for Guaranteed Values as of the end of the policy year. This amount includes the base guaranteed cash value and any guaranteed cash value associated with payments made under the LISR. Surrender of LISR values (i.e. LISR paid-up additions) to pay premiums or for any other reason other than to pay LISR term charges will reduce the guaranteed cash value.

**Guaranteed Death Benefit Beg Year:** The amount of death benefit which is guaranteed to be payable for this policy at death of the surviving insured based upon the illustrated Contract Premium for Guaranteed Values as of the end of the policy year. This amount includes any guaranteed values associated with payments made under the LISR. Surrender of LISR values to pay premiums or for any other reason other than to pay term charges will reduce the guaranteed death benefit.

**Internal Rate of Return (%) Beg Year:** The Internal Rate of Return (IRR) is the rate at which the out of pocket payments would be accumulated at each and every year to equal the policy value in this policy year.

**Internal Rate of Return (%) End Year:** The Internal Rate of Return (IRR) is the rate at which the out of pocket payments would be accumulated at each and every year to equal the policy value in this policy year.

**Net Annual Cash Value Increase:** The amount of increase in the Total Cash Value from the prior year.

**Net Cash Value End Year:** The cash value as of the end of the policy year reduced by outstanding loans and loan interest. These values are based on the illustrated dividend schedule and are not guaranteed.

**Net Death Benefit Beg Year:** The death benefit of the policy at the beginning of the policy year reduced by outstanding loans. These values are based on the illustrated dividend schedule and are not guaranteed.

**Paid-Up Additions Beg Year:** The additional paid-up insurance death benefit at the beginning of the year purchased by the LISR payments, and dividends earned on the LISR payments and the base policy. These values are based on the illustrated dividend schedule and are not guaranteed.

**Tax Equiv Internal Rate of Return (%) End Year:** The tax equivalent internal rate of return is the return that would have to be earned on a taxable asset to produce an amount equal to the death benefit under the policy.

**Total Cash Value End Year:** The total cash value as of the end of the policy year including all guaranteed and non-guaranteed values. These values are based on the illustrated dividend schedule and are not guaranteed.

**Total Death Benefit Beg Year:** This is the amount which would be payable if death of the surviving insured occurred at the beginning of the policy year. These values are based on the illustrated dividend schedule and are not guaranteed.

**Year:** The number of years the policy is assumed to have been in force at the end of the policy year.

## Narrative Summary

**Premium Payment Options:** Changing the premium payment mode may increase the overall cost of the policy. You may pay premiums once a year (annually), twice a year (semi-annually), four times a year (quarterly) or twelve times a year (monthly). You may pay premiums twelve times a year (monthly) only by pre-authorized electronic transfer. If you pay annual premiums by installments, there will be an additional charge. The additional charge is shown in dollars and as annual percentage rates in the table below.

Premium Frequency	Premium Payment (Including Installment Payment Charge)	Number of Payments Per Year	Total Premium Per Year	Additional Charge (In Dollars)	Additional Charge (As the Annual Percentage Rate or APR)
Annual	\$10,675.73	1	\$10,675.73	\$0.00	-
Semi-Annual	\$5,462.78	2	\$10,925.56	\$249.83	9.6%
Quarterly	\$2,763.95	4	\$11,055.80	\$380.07	9.5%
Monthly	\$928.79	12	\$11,145.48	\$469.75	9.5%

**Consider Additional Coverage:** You should consult with your agent about whether applying for more coverage is appropriate. Additional underwriting requirements may apply to larger face amounts, and premiums will be higher.



## Numeric Summary and Signature Page

**Dividends are not guaranteed** and are subject to significant fluctuations over the lifetime of the policy. Changes in dividends will change all Non-Guaranteed values shown in this illustration.

To help you understand how changes in non-guaranteed dividends may affect your future policy values, this Numeric Summary and Signature Page shows how your policy would perform based on each of the following dividend scenarios:

- 1) Guaranteed: The guaranteed policy values, i.e., zero dividends.
- 2) Non-Guaranteed Midpoint: 50% of the Company's currently illustrated dividend.
- 3) Non-Guaranteed Current: The Company's currently illustrated dividend.

	Contract Prem for Gtd Values	Non-Guaranteed Values							
		Guaranteed Values		Midpoint Assumptions			Current Assumptions		
		Total Cash Value	Death Benefit	Contract Premium	Total Cash Value	Death Benefit	Contract Premium	Total Cash Value	Death Benefit
Year 5	10,676	30,532	1,000,000	10,676	32,083	1,000,000	10,676	33,678	1,000,000
Year 10	10,676	82,403	1,000,000	10,676	87,940	1,000,000	10,676	93,727	1,000,000
Year 20	10,676	206,540	565,276	10,676	237,129	1,000,000	10,676	282,911	1,000,000
Year 30	10,020	338,155	500,000	10,676	344,643	994,990	10,676	570,517	1,000,000

I have received a copy of this illustration and understand that any non-guaranteed elements illustrated are subject to significant fluctuations and could be either higher or lower. The agent has told me they are not guaranteed. I understand that this illustration is not a contract. I also understand that any policy changes reflected in this illustration are not automatic, but must be submitted in writing to the Home Office. The terms of the policy constitute the actual agreement of coverage. I further understand I have the right to request a hypothetical lower schedule illustration to see the potential impact of a lower dividend interest rate on my policy values. I have read and understand the IMPORTANT TAX INFORMATION section in the Narrative Summary.

\_\_\_\_\_  
Applicant (At time of application)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Owner (At time of delivery)

I certify that this illustration has been presented to the applicant and that I have explained that any non-guaranteed elements illustrated are subject to change. I have made no statements that are inconsistent with this illustration.

\_\_\_\_\_  
Agent

\_\_\_\_\_  
Date

**Prepared for:** Valued Client (Male, 55, Ultra Preferred Non-Tobacco)  
**Prepared for:** Valued Client (Female, 55, Ultra Preferred Non-Tobacco)  
**Presented by:** MassMutual Strategic Distributors  
**Prepared on:** January 5, 2022

**MEC Limit:** \$46,738.04  
**Version:** MMD Web2022-01-01(AZ)

Coverage	Face Amount	Current Premiums			
		Annually	Semi-Annually	Quarterly	Monthly
Base Policy Insurance	500,000	10,020.00	5,127.24	2,594.18	871.74
LISR (Year 1)	500,000	655.73	335.54	169.77	57.05
Total Initial Modal Premium		10,675.73	5,462.78	2,763.95	928.79
Total Initial Modal Premium (Annualized)		10,675.73	10,925.56	11,055.80	11,145.48

## Tabular Values

					Non-Guaranteed Values*						
	Age End	Contract Prem for Gtd Values	Guaranteed Cash Value	Guaranteed Death Benefit			Cash Value of Additions	Total Cash Value	Paid-Up Additions	Amount of One Year Term	Total Death Benefit
Year	Year	Beg Year	End Year	Beg Year	Beg Year	Annual Dividend Beg Year	End Year	End Year	Beg Year	Beg Year	Beg Year
1	56	10,676	447	1,000,000	10,676	0	820	820	1,466	498,534	1,000,000
2	57	10,676	2,631	1,000,000	10,676	374	1,740	3,495	4,076	495,924	1,000,000
3	58	10,676	11,647	1,000,000	10,676	452	2,775	13,125	6,842	493,158	1,000,000
4	59	10,676	20,947	1,000,000	10,676	532	3,926	23,171	9,726	490,274	1,000,000
5	60	10,676	30,532	1,000,000	10,676	618	5,233	33,678	12,763	487,237	1,000,000
6	61	10,676	40,401	1,000,000	10,676	731	6,710	44,670	16,016	483,984	1,000,000
7	62	10,676	50,536	1,000,000	10,676	852	8,345	56,130	19,458	480,542	1,000,000
8	63	10,676	60,931	1,000,000	10,676	965	10,191	68,121	23,080	476,920	1,000,000
9	64	10,676	71,563	1,000,000	10,676	1,115	12,243	80,638	26,936	473,064	1,000,000
10	65	10,676	82,403	1,000,000	10,676	1,264	14,557	93,727	31,026	468,974	1,000,000
11	66	10,676	93,646	1,000,000	10,676	1,452	17,140	107,625	35,400	464,600	1,000,000
12	67	10,676	105,151	1,000,000	10,676	1,650	20,397	122,622	40,077	459,923	1,000,000
13	68	10,676	116,770	1,000,000	10,676	2,232	24,351	138,636	45,864	454,136	1,000,000
14	69	10,676	128,447	1,000,000	10,676	2,827	29,088	155,748	52,725	447,275	1,000,000
15	70	10,676	140,106	1,000,000	10,676	3,474	34,645	173,975	60,676	439,324	1,000,000
16	71	10,676	152,290	845,054	10,676	4,146	41,187	193,477	69,644	430,356	1,000,000
17	72	10,676	165,515	620,973	10,676	4,979	48,579	214,094	79,847	420,153	1,000,000
18	73	10,676	178,985	598,639	10,676	5,663	56,862	235,847	90,878	409,122	1,000,000
19	74	10,676	192,670	580,256	10,676	6,390	66,111	258,781	102,739	397,261	1,000,000
20	75	10,676	206,540	565,276	10,676	7,187	76,371	282,911	115,453	384,547	1,000,000
21	76	10,676	219,875	553,037	10,676	8,033	87,849	307,724	129,164	370,836	1,000,000
22	77	10,020	233,300	500,000	10,676	9,001	100,345	333,645	143,777	356,223	1,000,000
23	78	10,020	246,770	500,000	10,676	9,891	113,853	360,623	159,040	340,960	1,000,000
24	79	10,020	260,250	500,000	10,676	10,819	128,349	388,599	174,879	325,121	1,000,000
25	80	10,020	273,695	500,000	10,676	11,774	143,761	417,456	191,194	308,806	1,000,000
26	81	10,020	287,055	500,000	10,676	12,735	160,003	447,058	207,834	292,166	1,000,000
27	82	10,020	300,250	500,000	10,676	13,714	177,055	477,305	224,733	275,267	1,000,000
28	83	10,020	313,225	500,000	10,676	14,747	194,862	508,087	241,880	258,120	1,000,000
29	84	10,020	325,890	500,000	10,676	15,805	213,343	539,233	259,197	240,803	1,000,000
30	85	10,020	338,155	500,000	10,676	16,903	232,362	570,517	276,610	223,390	1,000,000

**\*This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.**

Refer to the Narrative Summary for assumptions, explanations and additional information.

**Prepared for:** Valued Client (Male, 55, Ultra Preferred Non-Tobacco)

**Prepared for:** Valued Client (Female, 55, Ultra Preferred Non-Tobacco)

**Presented by:** MassMutual Strategic Distributors

**Prepared on:** January 5, 2022

**MEC Limit:** \$46,738.04  
**Version:** MMD Web2022-01-01(AZ)

### Tabular Values

					Non-Guaranteed Values*						
Year	Age End Year	Contract Prem for Gtd Values Beg Year	Guaranteed Cash Value End Year	Guaranteed Death Benefit Beg Year	Contract Premium Beg Year	Annual Dividend Beg Year	Cash Value of Additions End Year	Total Cash Value End Year	Paid-Up Additions Beg Year	Amount of One Year Term Beg Year	Total Death Benefit Beg Year
31	86	10,020	349,945	500,000	10,676	18,006	251,467	601,412	293,856	206,144	1,000,000
32	87	10,020	361,165	500,000	10,676	18,930	270,617	631,782	310,708	189,292	1,000,000
33	88	10,020	371,775	500,000	10,676	19,896	289,571	661,346	327,158	172,842	1,000,000
34	89	10,020	381,735	500,000	10,676	20,750	308,047	689,782	342,996	157,004	1,000,000
35	90	10,020	391,050	500,000	10,676	21,461	325,829	716,879	358,072	141,928	1,000,000
36	91	10,020	399,770	500,000	10,676	22,006	342,777	742,547	372,282	127,718	1,000,000
37	92	10,020	408,010	500,000	10,676	22,383	358,839	766,849	385,590	114,410	1,000,000
38	93	10,020	415,925	500,000	10,676	22,574	374,054	789,979	397,999	102,001	1,000,000
39	94	10,020	423,725	500,000	10,676	22,588	388,992	812,717	410,007	89,993	1,000,000
40	95	10,020	431,795	500,000	10,676	22,475	404,174	835,969	421,983	78,017	1,000,000
41	96	10,020	440,620	500,000	10,676	22,213	420,248	860,868	434,272	65,728	1,000,000
42	97	10,020	450,545	500,000	10,676	21,835	437,841	888,386	447,157	52,843	1,000,000
43	98	10,020	462,480	500,000	10,676	21,436	458,353	920,833	461,492	38,508	1,000,000
44	99	10,020	478,005	500,000	10,676	20,940	484,123	962,128	478,493	21,507	1,000,000
45	100	10,020	500,000	500,000	10,668	20,266	519,240	1,019,240	500,000	0	1,000,000
46	101	0	500,000	500,000	0	19,240	572,885	1,072,885	519,240	0	1,019,240
47	102	0	500,000	500,000	0	53,645	629,411	1,129,411	572,885	0	1,072,885
48	103	0	500,000	500,000	0	56,526	688,973	1,188,973	629,411	0	1,129,411
49	104	0	500,000	500,000	0	59,562	751,733	1,251,733	688,973	0	1,188,973
50	105	0	500,000	500,000	0	62,760	817,863	1,317,863	751,733	0	1,251,733
51	106	0	500,000	500,000	0	66,130	887,545	1,387,545	817,863	0	1,317,863
52	107	0	500,000	500,000	0	69,681	960,968	1,460,968	887,545	0	1,387,545
53	108	0	500,000	500,000	0	73,423	1,038,335	1,538,335	960,968	0	1,460,968
54	109	0	500,000	500,000	0	77,366	1,119,855	1,619,855	1,038,335	0	1,538,335
55	110	0	500,000	500,000	0	81,521	1,205,754	1,705,754	1,119,855	0	1,619,855
56	111	0	500,000	500,000	0	85,898	1,296,265	1,796,265	1,205,754	0	1,705,754
57	112	0	500,000	500,000	0	90,511	1,391,637	1,891,637	1,296,265	0	1,796,265
58	113	0	500,000	500,000	0	95,372	1,492,130	1,992,130	1,391,637	0	1,891,637
59	114	0	500,000	500,000	0	100,493	1,598,019	2,098,019	1,492,130	0	1,992,130
60	115	0	500,000	500,000	0	105,890	1,709,595	2,209,595	1,598,019	0	2,098,019

\*This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.

Refer to the Narrative Summary for assumptions, explanations and additional information.

**Prepared for:** Valued Client (Male, 55, Ultra Preferred Non-Tobacco)  
**Prepared for:** Valued Client (Female, 55, Ultra Preferred Non-Tobacco)  
**Presented by:** MassMutual Strategic Distributors  
**Prepared on:** January 5, 2022

**MEC Limit:** \$46,738.04  
**Version:** MMD Web2022-01-01(AZ)



## Tabular Values

					Non-Guaranteed Values*						
Year	Age End Year	Contract Prem for Gtd Values Beg Year	Guaranteed Cash Value End Year	Guaranteed Death Benefit Beg Year	Contract Premium Beg Year	Annual Dividend Beg Year	Cash Value of Additions End Year	Total Cash Value End Year	Paid-Up Additions Beg Year	Amount of One Year Term Beg Year	Total Death Benefit Beg Year
61	116	0	500,000	500,000	0	111,576	1,827,163	2,327,163	1,709,595	0	2,209,595
62	117	0	500,000	500,000	0	117,567	1,951,043	2,451,043	1,827,163	0	2,327,163
63	118	0	500,000	500,000	0	123,881	2,081,577	2,581,577	1,951,043	0	2,451,043
64	119	0	500,000	500,000	0	130,533	2,219,120	2,719,120	2,081,577	0	2,581,577
65	120	0	500,000	500,000	0	137,543	2,364,048	2,864,048	2,219,120	0	2,719,120
66	121	0	500,000	500,000	0	144,929	2,516,760	3,016,760	2,364,048	0	2,864,048

**\*This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.**

Refer to the Narrative Summary for assumptions, explanations and additional information.

**Prepared for:** Valued Client (Male, 55, Ultra Preferred Non-Tobacco)  
**Prepared for:** Valued Client (Female, 55, Ultra Preferred Non-Tobacco)  
**Presented by:** MassMutual Strategic Distributors  
**Prepared on:** January 5, 2022

**MEC Limit:** \$46,738.04  
**Version:** MMD Web2022-01-01(AZ)

## Internal Rate of Return on Cash Value

Non-Guaranteed Values*				
Year	Age End Year	Annual Net Outlay Beg Year	Net Cash Value End Year	Internal Rate of Return(%) End Year
1	56	10,676	820	-92.32
2	57	10,676	3,495	-74.01
3	58	10,676	13,125	-38.39
4	59	10,676	23,171	-23.01
5	60	10,676	33,678	-14.98
6	61	10,676	44,670	-10.22
7	62	10,676	56,130	-7.16
8	63	10,676	68,121	-5.05
9	64	10,676	80,638	-3.53
10	65	10,676	93,727	-2.38
11	66	10,676	107,625	-1.46
12	67	10,676	122,622	-0.68
13	68	10,676	138,636	-0.02
14	69	10,676	155,748	0.55
15	70	10,676	173,975	1.03
16	71	10,676	193,477	1.45
17	72	10,676	214,094	1.81
18	73	10,676	235,847	2.12
19	74	10,676	258,781	2.38
20	75	10,676	282,911	2.61
21	76	10,676	307,724	2.79
22	77	10,676	333,645	2.95
23	78	10,676	360,623	3.08
24	79	10,676	388,599	3.19
25	80	10,676	417,456	3.29

The Internal Rate of Return is a measure that can be used to evaluate performance and is based on the current dividend schedule. It is the amount at which outlays (out-of-pocket costs) up to that year must be compounded at each and every year to generate the Net Cash Value. For example, you would have to earn 3.97% on your investment in order to equal the Net Cash Value from the proposed Survivorship Whole Life 100 over 66 years.

**\*This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.**

Refer to the Narrative Summary for assumptions, explanations and additional information. This illustration is not valid unless accompanied by or preceded by a Basic Life Insurance Illustration dated 01/05/2022. Refer to the Basic Life Insurance Illustration for guaranteed elements and other important information.

**Prepared for:** Valued Client (Male, 55, Ultra Preferred Non-Tobacco)  
**Prepared for:** Valued Client (Female, 55, Ultra Preferred Non-Tobacco)  
**Presented by:** MassMutual Strategic Distributors  
**Prepared on:** January 5, 2022

**MEC Limit:** \$46,738.04  
**Version:** MMD Web2022-01-01(AZ)

## Internal Rate of Return on Cash Value

Non-Guaranteed Values*				
Year	Age End Year	Annual Net Outlay Beg Year	Net Cash Value End Year	Internal Rate of Return(%) End Year
26	81	10,676	447,058	3.36
27	82	10,676	477,305	3.42
28	83	10,676	508,087	3.46
29	84	10,676	539,233	3.49
30	85	10,676	570,517	3.50
31	86	10,676	601,412	3.50
32	87	10,676	631,782	3.49
33	88	10,676	661,346	3.46
34	89	10,676	689,782	3.42
35	90	10,676	716,879	3.37
36	91	10,676	742,547	3.31
37	92	10,676	766,849	3.24
38	93	10,676	789,979	3.17
39	94	10,676	812,717	3.10
40	95	10,676	835,969	3.03
41	96	10,676	860,868	2.98
42	97	10,676	888,386	2.94
43	98	10,676	920,833	2.92
44	99	10,676	962,128	2.93
45	100	10,668	1,019,240	3.00
46	101	0	1,072,885	3.08
47	102	0	1,129,411	3.15
48	103	0	1,188,973	3.22
49	104	0	1,251,733	3.28
50	105	0	1,317,863	3.34

The Internal Rate of Return is a measure that can be used to evaluate performance and is based on the current dividend schedule. It is the amount at which outlays (out-of-pocket costs) up to that year must be compounded at each and every year to generate the Net Cash Value. For example, you would have to earn 3.97% on your investment in order to equal the Net Cash Value from the proposed Survivorship Whole Life 100 over 66 years.

**\*This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.**

Refer to the Narrative Summary for assumptions, explanations and additional information. This illustration is not valid unless accompanied by or preceded by a Basic Life Insurance Illustration dated 01/05/2022. Refer to the Basic Life Insurance Illustration for guaranteed elements and other important information.

**Prepared for:** Valued Client (Male, 55, Ultra Preferred Non-Tobacco)  
**Prepared for:** Valued Client (Female, 55, Ultra Preferred Non-Tobacco)  
**Presented by:** MassMutual Strategic Distributors  
**Prepared on:** January 5, 2022

**MEC Limit:** \$46,738.04  
**Version:** MMD Web2022-01-01(AZ)

## Internal Rate of Return on Cash Value

Non-Guaranteed Values*				
Year	Age End Year	Annual Net Outlay Beg Year	Net Cash Value End Year	Internal Rate of Return(%) End Year
51	106	0	1,387,545	3.40
52	107	0	1,460,968	3.45
53	108	0	1,538,335	3.50
54	109	0	1,619,855	3.55
55	110	0	1,705,754	3.59
56	111	0	1,796,265	3.63
57	112	0	1,891,637	3.67
58	113	0	1,992,130	3.71
59	114	0	2,098,019	3.75
60	115	0	2,209,595	3.79
61	116	0	2,327,163	3.82
62	117	0	2,451,043	3.85
63	118	0	2,581,577	3.88
64	119	0	2,719,120	3.91
65	120	0	2,864,048	3.94
66	121	0	3,016,760	3.97

The Internal Rate of Return is a measure that can be used to evaluate performance and is based on the current dividend schedule. It is the amount at which outlays (out-of-pocket costs) up to that year must be compounded at each and every year to generate the Net Cash Value. For example, you would have to earn 3.97% on your investment in order to equal the Net Cash Value from the proposed Survivorship Whole Life 100 over 66 years.

**\*This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.**

Refer to the Narrative Summary for assumptions, explanations and additional information. This illustration is not valid unless accompanied by or preceded by a Basic Life Insurance Illustration dated 01/05/2022. Refer to the Basic Life Insurance Illustration for guaranteed elements and other important information.

**Prepared for:** Valued Client (Male, 55, Ultra Preferred Non-Tobacco)  
**Prepared for:** Valued Client (Female, 55, Ultra Preferred Non-Tobacco)  
**Presented by:** MassMutual Strategic Distributors  
**Prepared on:** January 5, 2022

**MEC Limit:** \$46,738.04  
**Version:** MMD Web2022-01-01(AZ)

## Internal Rate of Return on Death Benefit

Non-Guaranteed Values*						
Year	Age End Year	Annual Net Outlay Beg Year	Net Death Benefit Beg Year	Internal Rate of Return(%) Beg Year	Tax Equiv Internal Rate Of Return(%) End Year <sup>1</sup>	
1	56	10,676	1,000,000	9,267.04	12,870.89	
2	57	10,676	1,000,000	819.13	1,137.68	
3	58	10,676	1,000,000	316.35	439.38	
4	59	10,676	1,000,000	179.67	249.54	
5	60	10,676	1,000,000	120.57	167.46	
6	61	10,676	1,000,000	88.60	123.06	
7	62	10,676	1,000,000	68.90	95.69	
8	63	10,676	1,000,000	55.68	77.33	
9	64	10,676	1,000,000	46.26	64.25	
10	65	10,676	1,000,000	39.24	54.50	
11	66	10,676	1,000,000	33.84	47.00	
12	67	10,676	1,000,000	29.56	41.06	
13	68	10,676	1,000,000	26.10	36.25	
14	69	10,676	1,000,000	23.25	32.29	
15	70	10,676	1,000,000	20.87	28.99	
16	71	10,676	1,000,000	18.86	26.19	
17	72	10,676	1,000,000	17.13	23.79	
18	73	10,676	1,000,000	15.64	21.72	
19	74	10,676	1,000,000	14.33	19.90	
20	75	10,676	1,000,000	13.19	18.32	
21	76	10,676	1,000,000	12.18	16.92	
22	77	10,676	1,000,000	11.28	15.67	
23	78	10,676	1,000,000	10.47	14.54	
24	79	10,676	1,000,000	9.75	13.54	
25	80	10,676	1,000,000	9.09	12.63	

The Internal Rate of Returns are a measure that can be used to evaluate performance and is based on the current dividend schedule. They are an amount at which outlays (out-of-pocket costs) up to that year must be compounded each year to generate the Net Death Benefit. For example, you would have to earn 3.86% on your investment (5.36% on a taxable asset) in order to equal the Net Death Benefit from the proposed Survivorship Whole Life 100 over 66 years.

<sup>1</sup>The assumed tax rate is 28%.

**\*This illustration reflects the dividend option of LISR/Flex. Non-guaranteed values include dividends, which are neither estimates nor guarantees, but are based on the 2022 dividend schedule. The dividend schedule is reviewed annually and it is likely that dividends in future years will be lower or higher depending on the company's actual experience. For this reason, we strongly recommend that you look at a hypothetical lower schedule illustration available upon request.**

Refer to the Narrative Summary for assumptions, explanations and additional information. This illustration is not valid unless accompanied by or preceded by a Basic Life Insurance Illustration dated 01/05/2022. Refer to the Basic Life Insurance Illustration for guaranteed elements and other important information.

**Prepared for:** Valued Client (Male, 55, Ultra Preferred Non-Tobacco)  
**Prepared for:** Valued Client (Female, 55, Ultra Preferred Non-Tobacco)  
**Presented by:** MassMutual Strategic Distributors  
**Prepared on:** January 5, 2022

**MEC Limit:** \$46,738.04  
**Version:** MMD Web2022-01-01(AZ)

## Internal Rate of Return on Death Benefit

Non-Guaranteed Values*						
Year	Age End Year	Annual Net Outlay Beg Year	Net Death Benefit Beg Year	Internal Rate of Return(%) Beg Year	Tax Equiv Internal Rate Of Return(%) End Year <sup>1</sup>	
26	81	10,676	1,000,000	8.50	11.81	
27	82	10,676	1,000,000	7.96	11.06	
28	83	10,676	1,000,000	7.46	10.36	
29	84	10,676	1,000,000	7.01	9.74	
30	85	10,676	1,000,000	6.60	9.17	
31	86	10,676	1,000,000	6.21	8.63	
32	87	10,676	1,000,000	5.86	8.14	
33	88	10,676	1,000,000	5.53	7.68	
34	89	10,676	1,000,000	5.23	7.26	
35	90	10,676	1,000,000	4.94	6.86	
36	91	10,676	1,000,000	4.68	6.50	
37	92	10,676	1,000,000	4.43	6.15	
38	93	10,676	1,000,000	4.20	5.83	
39	94	10,676	1,000,000	3.98	5.53	
40	95	10,676	1,000,000	3.78	5.25	
41	96	10,676	1,000,000	3.59	4.99	
42	97	10,676	1,000,000	3.41	4.74	
43	98	10,676	1,000,000	3.24	4.50	
44	99	10,676	1,000,000	3.08	4.28	
45	100	10,668	1,000,000	2.93	4.07	
46	101	0	1,019,240	2.89	4.01	
47	102	0	1,072,885	2.97	4.13	
48	103	0	1,129,411	3.05	4.24	
49	104	0	1,188,973	3.11	4.32	
50	105	0	1,251,733	3.18	4.42	

The Internal Rate of Returns are a measure that can be used to evaluate performance and is based on the current dividend schedule. They are an amount at which outlays (out-of-pocket costs) up to that year must be compounded each year to generate the Net Death Benefit. For example, you would have to earn 3.86% on your investment (5.36% on a taxable asset) in order to equal the Net Death Benefit from the proposed Survivorship Whole Life 100 over 66 years.

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**Presented by:** MassMutual Strategic Distributors  
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**MEC Limit:** \$46,738.04  
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## Internal Rate of Return on Death Benefit

Non-Guaranteed Values*						
Year	Age End Year	Annual Net Outlay Beg Year	Net Death Benefit Beg Year	Internal Rate of Return(%) Beg Year	Tax Equiv Internal Rate Of Return(%) End Year <sup>1</sup>	
51	106	0	1,317,863	3.24	4.50	
52	107	0	1,387,545	3.30	4.58	
53	108	0	1,460,968	3.35	4.65	
54	109	0	1,538,335	3.40	4.72	
55	110	0	1,619,855	3.45	4.79	
56	111	0	1,705,754	3.50	4.86	
57	112	0	1,796,265	3.54	4.92	
58	113	0	1,891,637	3.59	4.99	
59	114	0	1,992,130	3.63	5.04	
60	115	0	2,098,019	3.66	5.08	
61	116	0	2,209,595	3.70	5.14	
62	117	0	2,327,163	3.74	5.19	
63	118	0	2,451,043	3.77	5.24	
64	119	0	2,581,577	3.80	5.28	
65	120	0	2,719,120	3.83	5.32	
66	121	0	2,864,048	3.86	5.36	

The Internal Rate of Returns are a measure that can be used to evaluate performance and is based on the current dividend schedule. They are an amount at which outlays (out-of-pocket costs) up to that year must be compounded each year to generate the Net Death Benefit. For example, you would have to earn 3.86% on your investment (5.36% on a taxable asset) in order to equal the Net Death Benefit from the proposed Survivorship Whole Life 100 over 66 years.

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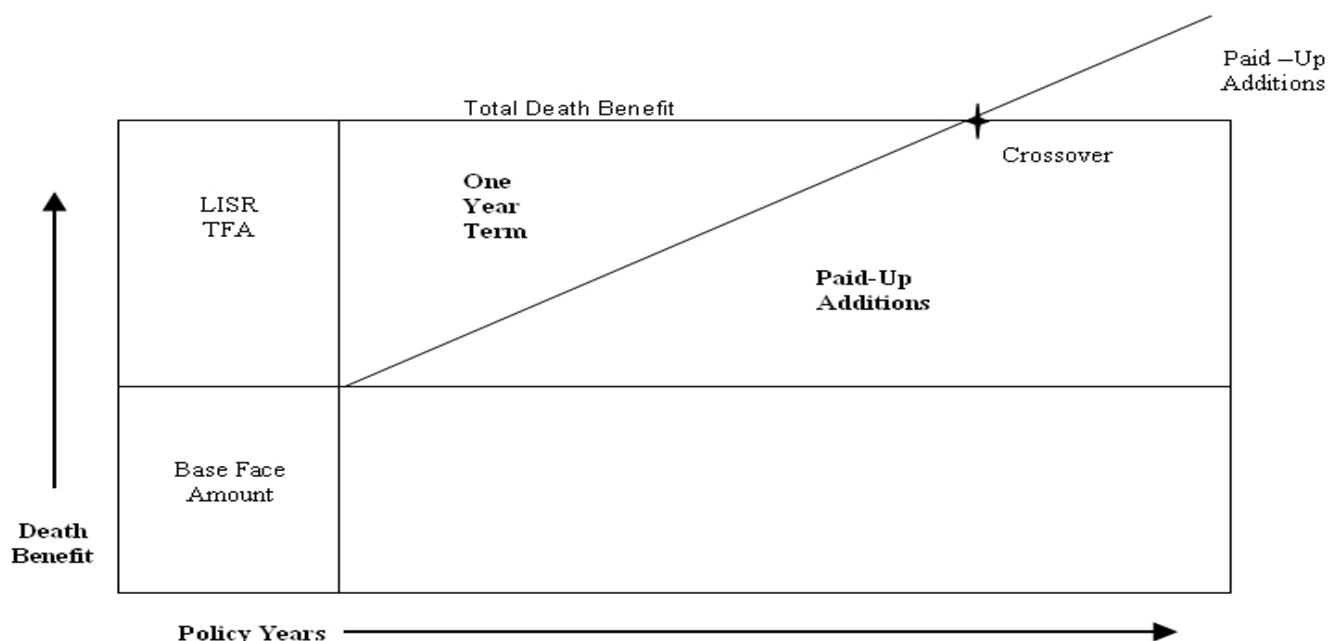
**MEC Limit:** \$46,738.04  
**Version:** MMD Web2022-01-01(AZ)

## LISR Information

The Survivorship Life Insurance Supplement Rider (LISR), used in combination with MassMutual's Survivorship Whole Life 100 policy, provides additional insurance coverage and flexibility and requires the LISR/Flex dividend option.

**Protection and Flexibility:** By attaching LISR to MassMutual's Survivorship Whole Life 100 policy, the premium can be adjusted by varying the mix of Survivorship Whole Life 100 coverage and LISR coverage (Target Face Amount). The Target Face Amount (TFA) provides a level death benefit comprised of one-year term insurance and paid-up additional life insurance (paid-up additions).

See the chart below for the graphic illustration of Survivorship Whole Life 100 with LISR.



**LISR Mechanics:** LISR rider premiums, less a premium expense charge (guaranteed to not exceed 12% of any rider premium paid in future years and currently equal to 10% of any rider premium) and any applicable modal charges, and policy dividends are used to purchase one-year term life insurance coverage, paid-up insurance additions or a combination of both to equal the TFA. The amount of term insurance provided by LISR is determined annually, and the cost of term coverage is paid at the beginning of each policy year through the LISR rider premiums, policy dividends and, if necessary, the surrender of paid-up additions. As the amount of paid-up additions increases (as dividends are credited and LISR rider premiums are made), the term portion of the TFA decreases. At some point, the term insurance portion of the TFA may be replaced completely by paid-up additions. This is called the crossover point. The target date for the crossover is normally age 100. When crossover is achieved, the rider will automatically become paid-up.

LISR premiums are calculated using the current dividend schedule and current term charges, neither of which is guaranteed. Since a significant portion of the policy's paid-up additions is dependent on the level of non-guaranteed dividends credited to the policy, the paid-up additions available in the contract may not always be sufficient to pay the annual term cost. If paid-up additions are insufficient to cover the term charges, increases in the LISR premium payment may be necessary to avoid a decrease in coverage. Failure to make sufficient premium payments will cause a permanent reduction in the Target Face Amount. **We strongly recommend that you look at an illustration showing a lower dividend schedule to see the impact that this would have on LISR premiums and other policy values.**



## LISR Information

**Current Charge Rate:** The current charge rate schedule for the one-year term insurance coverage is not guaranteed. Further details of this rider are provided in the contract. Your MassMutual financial professional is able to show you the impact of various assumptions on the performance of Survivorship Whole Life 100 with LISR.

**Monitoring System:** In order to help policyowners monitor their Survivorship Whole Life 100 policies, MassMutual has developed a monitoring system. Prior to each policy anniversary, this system will check to see if the current LISR premium, together with dividends and paid-up additions (as illustrated under the then current dividend schedule and current charge rate), will support LISR to the earlier of the crossover target date or the younger insured's age 100. If LISR will not be supported under these assumptions, a notice will be generated advising the policyowner of the action necessary to support LISR. The policyowner is not required to take the recommended action, but failure to do so may cause future deficiencies in the funding of the rider and an ultimate reduction in the Target Face Amount.

**Term Conversion Feature:** For some policyowners, the need for term coverage may be temporary. In order to allow a transition to all permanent coverage, the term portion of LISR is convertible without evidence of insurability to any MassMutual permanent life insurance policy offered for sale at the time of the conversion, for ten years from issue, or to the younger insured's age 65, whichever is earlier. LISR cannot be converted in the first policy year. The TFA will be reduced by the amount of one-year term converted.

**Rider Premium Continuation:** After this rider has achieved crossover and is paid in full, you may elect to continue to pay rider premiums (subject to limits described in the contract) to purchase additional paid-up additions without evidence of insurability. These premiums will be set at the same payment frequency as elected for this policy and may be paid-up to and including the insured's attained age 90.

## Client Input Summary

Company: MMD

January 5, 2022

Product: Survivor WL 100

### 1st Insured

First Name	Valued
Last Name	Client
Sex	Male
Issue Age	55
Class	Ultra Prfd Non-Tobacco
Table Rating	None
Tax Bracket Percent	1 to 66 - 28
Contract State	Arizona

### 2nd Insured

First Name	Valued
Last Name	Client
Sex	Female
Issue Age	55
Class	Ultra Prfd Non-Tobacco
Table Rating	None

### Design

Design	Base+LISR
Total Face Amount	1 to 66 - 1,000,000
Base Face Amount	Solve
Premium	Solve
Premium Mode	Annual
LISR Payment Age/Yr	Age
Age	100
LISR Lump Sum	0
LISR Crossover Target	Age
Age	100
Term Reduction	N
Dividend Option	1 to 66 - LISR\Flex
Dividend Rate	1 to 66 - Current
Loan Rate	Adjustable
Illustrate APO	N
Illustrate Flexible Outlay	N
1035 Exchange	N

### Options

Product Type	Non-Qualified
Policy Owner	1st Insured
Reduced Paid Up	N
Print to Age/Year/Max	Max

### Riders

1st Insured Waiver of Premium Disability	N
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## Client Input Summary

Company: MMD

January 5, 2022

Product: Survivor WL 100

### Riders

2nd Insured Waiver of Premium Disability	N
Waiver of Premium Upon Death of 1st Insured	N
Waiver of Premium Upon Death of 2nd Insured	N
Survivorship Additional Life Ins. Rider [ALIR] - Scheduled	N
Survivorship Additional Life Ins. Rider [ALIR] - Unscheduled	N
Estate Protection Rider	N

### Disbursements

Disbursements	N
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### Reports

New Business Report	N
Short Form	N
Outlay	N
Cash Value Increase	N
Cash Value Increase (with one year ROR)	N
Monthly Life Income Option / Paid-Up Insurance	N
Internal Rate of Return on Cash Value	Y
Internal Rate of Return on Death Benefit	Y
MassMutual Dividends	N
Revised Illustration	N
Convert Basic Illustration	N
'Wealth In Motion®'	N
Supplemental Illustration Summary	Y

### Agent Info

Agent First Name	MassMutual
Agent Last Name	Strategic Distributors
Agent Address1	1295 State Street
Agent City	Springfield
Agent State	Massachusetts
Agent Zip Code	01111
Agent Phone Number	(800) 601-9983
Bank Sale	N