



LIFE, AND ACCIDENT AND HEALTH COMPANIES/FRATERNAL BENEFIT SOCIETIES - ASSOCIATION EDITION

ANNUAL STATEMENT

FOR THE YEAR ENDED DECEMBER 31, 2023

OF THE CONDITION AND AFFAIRS OF THE

MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

NAIC Group Code

0435

0435

NAIC Company Code

63312

Employer's ID Number

13-1935920

(Current)

(Prior)

Organized under the Laws of

Ohio

State of Domicile or Port of Entry

OH

Country of Domicile

United States of America

Licensed as business type:

Life, Accident and Health [X]

Fraternal Benefit Societies []

Incorporated/Organized

12/29/1961

Commenced Business

08/13/1963

Statutory Home Office

191 Rosa Parks Street

Cincinnati, OH, US 45202

(Street and Number)

(City or Town, State, Country and Zip Code)

Main Administrative Office

191 Rosa Parks Street

Cincinnati, OH, US 45202

(Street and Number)

(City or Town, State, Country and Zip Code)

513-361-9000

(Area Code) (Telephone Number)

Mail Address

Post Office Box 5420

Cincinnati, OH, US 45201

(Street and Number or P.O. Box)

(City or Town, State, Country and Zip Code)

Primary Location of Books and Records

191 Rosa Parks Street

Cincinnati, OH, US 45202

(Street and Number)

(City or Town, State, Country and Zip Code)

513-361-9000

(Area Code) (Telephone Number)

Internet Website Address

www.massmutualascend.com

Statutory Statement Contact

Robert Mayhew Earle II

513-361-9077

(Name)

(Area Code) (Telephone Number)

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513-345-9484

(E-mail Address)

(FAX Number)

OFFICERS

President

Mark Francis Muething

Treasurer

Brian Patrick Sponaugle

Secretary

John Paul Gruber

Appointed Actuary

Isaac Cezar Hall

OTHER

Donna Marie Carrelli

Michael Harrison Haney

Dominic Lusean Blue #

DIRECTORS OR TRUSTEES

Dominic Lusean Blue

Elizabeth Ward Chicares

Susan Marie Cicco

Geoffrey James Craddock

Roger William Crandall

Paul Anthony LaPiana

Sears Andrew Merritt

Mark Francis Muething

Michael James O'Connor

Eric William Partlan

Arthur William Wallace III

State of

Ohio

County of

Hamilton

SS

The officers of this reporting entity being duly sworn, each depose and say that they are the described officers of said reporting entity, and that on the reporting period stated above, all of the herein described assets were the absolute property of the said reporting entity, free and clear from any liens or claims thereon, except as herein stated, and that this statement, together with related exhibits, schedules and explanations therein contained, annexed or referred to, is a full and true statement of all the assets and liabilities and of the condition and affairs of the said reporting entity as of the reporting period stated above, and of its income and deductions therefrom for the period ended, and have been completed in accordance with the NAIC Annual Statement Instructions and Accounting Practices and Procedures manual except to the extent that: (1) state law may differ; or, (2) that state rules or regulations require differences in reporting not related to accounting practices and procedures, according to the best of their information, knowledge and belief, respectively. Furthermore, the scope of this attestation by the described officers also includes the related corresponding electronic filing with the NAIC, when required, that is an exact copy (except for formatting differences due to electronic filing) of the enclosed statement. The electronic filing may be requested by various regulators in lieu of or in addition to the enclosed statement.

Mark Francis Muething

John Paul Gruber

Brian Patrick Sponaugle

President

Secretary

Treasurer

Subscribed and sworn to before me this

day of

February 2024

a. Is this an original filing?

Yes [X] No []

b. If no,

1. State the amendment number.....

2. Date filed

3. Number of pages attached.....

OFFICERS AND DIRECTORS WHO DID NOT OCCUPY THE INDICATED POSITION IN THE PREVIOUS ANNUAL STATEMENT



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Alabama		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Life												
Industrial							0					0
Whole	15,472						0	0		2,242		2,242
Term	104,847							301,000	137,800	0		438,800
Indexed							0					0
Universal	31,219						0	105,000	0	112		105,112
Universal with secondary guarantees							0					0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Individual Life	151,538	0	0	0	0	0	0	406,000	137,800	2,354	0	546,154
Life												
Whole							0	14,701	0	0		14,701
Term							0	0	0	0		0
Universal							0	0	0	0		0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Group Life	0	0	0	0	0	0	0	14,701	0	0	0	14,701
Annuities												
Fixed	92,235,165						0	18,873,281		45,461,767		64,335,048
Indexed	92,461,357						0	14,420,450		96,140,570		110,561,020
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	388,875						0	271,850		0		271,850
Other	(f)						0					0
Total Individual Annuities	185,085,397	0	0	0	0	0	0	33,565,581	0	141,602,338	0	175,167,918
Annuities												
Fixed	1,275						0	0		194,409		194,409
Indexed							0					0
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	859,866		0		859,866
Other	(f)						0					0
Total Group Annuities	1,275	0	0	0	0	0	0	859,866	0	194,409	0	1,054,276
Accident and Health												
Comprehensive individual	(d)						0	XXX	XXX	XXX		0
Comprehensive group	(d)						0	XXX	XXX	XXX		0
Medicare Supplement	(d)	17,004					0	XXX	XXX	XXX	27,828	27,828
Vision only	(d)						0	XXX	XXX	XXX		0
Dental only	(d)						0	XXX	XXX	XXX		0
Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
Credit A&H							0	XXX	XXX	XXX		0
Disability income	(d)	0					0	XXX	XXX	XXX		0
Long-term care	(d)	12,107					0	XXX	XXX	XXX	0	0
Other health	(d)	0					0	XXX	XXX	XXX		0
Total Accident and Health	29,111	0	0	0	0	0	0	XXX	XXX	XXX	27,828	27,828
Total	185,267,321 (c)	0	0	0	0	0	0	34,846,149	137,800	141,799,101	27,828	176,810,877

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code		0435		BUSINESS IN THE STATE OF		Alabama		DURING THE YEAR						2023		NAIC Company Code		63312	
Line of Business		13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)			
			Claims Settled During Current Year		Total Settled During Current Year		23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount		27 Number of Pols/ Certs	28 Amount						
			Totals Paid		Reduction by Compromise									Amount Rejected					
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount								18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		
Individual Life																			
1. Industrial																			
2. Whole 0			0	0	0	0	0	0	0	0	0			3	7,639	30	253,775		
3. Term 388,800			11	438,800	0	0	0	0	11	438,800	0			(27)	(13,858,000)	104	31,304,200		
4. Indexed									0	0	0								
5. Universal 105,000			1	105,000	0	0	0	0	1	105,000	0			(2)	(678,671)	40	4,268,281		
6. Universal with secondary guarantees									0	0									
7. Variable									0	0									
8. Variable universal									0	0									
9. Credit									0	0									
10. Other (f)									0	0									
11. Total Individual Life		493,800	12	543,800	0	0	0	0	12	543,800	0	0	0	(26)	(14,529,032)	174	35,826,256		
Group Life																			
12. Whole 14,701			1	14,701					1	14,701	0			3	10,174	7	33,122		
13. Term									0	0									
14. Universal									0	0									
15. Variable									0	0									
16. Variable universal									0	0									
17. Credit									0	0									
18. Other (f)									0	0							(a)		
19. Total Group Life		14,701	1	14,701	0	0	0	0	1	14,701	0	0	0	3	10,174	7	33,122		
Individual Annuities																			
20. Fixed 18,085,991			222	17,942,032					222	17,942,032	3,433,577	798	96,530,011	(817)	(59,296,798)	4,579	419,206,493		
21. Indexed 13,763,105			124	14,361,261					124	14,361,261	3,117,505	688	93,224,678	(851)	(88,321,391)	5,335	639,908,053		
22. Variable with guarantees									0	0									
23. Variable without guarantees									0	0									
24. Life contingent payout 95,170			2	95,170					2	95,170		13	641,310	(3)	(211,043)	46	1,691,249		
25. Other (f)									0	0		8	400,936	(15)	(990,487)	62	2,812,614		
26. Total Individual Annuities		31,944,267	348	32,398,464	0	0	0	0	348	32,398,464	6,551,082	1,507	190,796,935	(1,686)	(148,819,719)	10,022	1,063,618,409		
Group Annuities																			
27. Fixed 4,283			0	0					0	0	6,853			(4)	(123,031)	84	1,618,076		
28. Indexed									0	0									
29. Variable with guarantees									0	0									
30. Variable without guarantees									0	0									
31. Life contingent payout									0	0				(7)	(544,331)	195	10,151,645		
32. Other (f)									0	0									
33. Total Group Annuities		4,283	0	0	0	0	0	0	0	0	6,853	0	0	(11)	(667,362)	279	11,769,721		
Accident and Health																			
34. Comprehensive individual (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
35. Comprehensive group (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
36. Medicare Supplement (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(3)	(23,525)	3	17,004		
37. Vision only (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
38. Dental only (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
39. Federal Employees Health Benefits Plan (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
40. Title XVIII Medicare (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
41. Title XIX Medicaid (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
43. Disability income (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0		
44. Long-term care (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	6	12,107		
45. Other health (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0		
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	(3)	(23,525)	9	29,111		
47. TOTAL		32,457,050	361	32,956,965	0	0	0	0	361	32,956,965	6,557,934	1,507	190,796,935	(1,723)	(164,029,464)	10,491	1,111,276,619		

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Alaska		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Life												
Industrial							0					0
Whole	0						0	0				0
Term	2,448						0	0	0			0
Indexed							0					0
Universal	4,538						0	200,000	0	0		200,000
Universal with secondary guarantees							0					0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Individual Life	6,986	0	0	0	0	0	0	200,000	0	0	0	200,000
Group Life												
Whole							0	0	0	0		0
Term							0	0	0	0		0
Universal							0	0	0	0		0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Annuities												
Fixed	1,226,923						0	446,388		147,532		593,920
Indexed	1,661,136						0	826,645		1,211,749		2,038,394
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	24,774		0		24,774
Other	(f)						0					0
Total Individual Annuities	2,888,059	0	0	0	0	0	0	1,297,806	0	1,359,280	0	2,657,087
Group Annuities												
Fixed	0						0	0		0		0
Indexed							0					0
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	29,694		0		29,694
Other	(f)						0					0
Total Group Annuities	0	0	0	0	0	0	0	29,694	0	0	0	29,694
Accident and Health												
Comprehensive individual	(d)						0	XXX	XXX	XXX		0
Comprehensive group	(d)						0	XXX	XXX	XXX		0
Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
Vision only	(d)						0	XXX	XXX	XXX		0
Dental only	(d)						0	XXX	XXX	XXX		0
Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
Credit A&H							0	XXX	XXX	XXX		0
Disability income	(d)	0					0	XXX	XXX	XXX		0
Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
Other health	(d)	0					0	XXX	XXX	XXX		0
Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
Total	2,895,045 (c)	0	0	0	0	0	0	1,527,500	0	1,359,280	0	2,886,780

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code		0435		BUSINESS IN THE STATE OF		Alaska		DURING THE YEAR				2023		NAIC Company Code		63312	
Line of Business		13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount							
Individual Life																	
1. Industrial									0	0							
2. Whole .....0		0	0	0	0	0	0	0	0	0	0				2	11,842	
3. Term .....0		0	0	0	0	0	0	0	0	0	0			(3)	(760,000)	5	900,000
4. Indexed									0	0							
5. Universal .....200,000		1	200,000	0	0	0	0	1	200,000	0			(1)	(325,051)	9	644,674	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other .....(f)								0	0								
11. Total Individual Life		200,000	1	200,000	0	0	0	1	200,000	0	0	0	(4)	(1,085,051)	16	1,556,516	
Group Life																	
12. Whole .....0		0	0	0				0	0	0			(1)	(1,289)			
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other .....(f)								0	0							(a)	
19. Total Group Life		0	0	0	0	0	0	0	0	0	0	0	(1)	(1,289)	0	0	
Individual Annuities																	
20. Fixed .....277,355		3	277,355					3	277,355	0	4	1,153,453	(5)	(626,412)	54	5,680,229	
21. Indexed .....676,817		4	786,558					4	786,558	0	1	102,369	(9)	(284,341)	84	9,339,992	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout		0	0	0				0	0					(12,491)	3	229,799	
25. Other .....(f)								0	0		2	44,809	(1)	(62,327)	11	468,960	
26. Total Individual Annuities		954,172	7	1,063,913	0	0	0	7	1,063,913	0	7	1,300,631	(15)	(985,571)	152	15,718,980	
Group Annuities																	
27. Fixed .....0		0	0	0				0	0	0			(1)	263	6	35,711	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0					(11,506)	10	391,183	
32. Other .....(f)								0	0								
33. Total Group Annuities		0	0	0	0	0	0	0	0	0	0	0	(1)	(11,243)	16	426,894	
Accident and Health																	
34. Comprehensive individual .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
37. Vision only .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
45. Other health .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	0	0	0	
47. TOTAL		1,154,172	8	1,263,913	0	0	0	8	1,263,913	0	7	1,300,631	(21)	(2,083,154)	184	17,702,390	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 0 Group: \$ _____ Total: \$ _____0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:	Column 1) \$ _____	Column 7) \$ _____	Column 12) \$ _____
2. Group Life - Other includes the following amounts related to Separate Account policies:	Column 1) \$ _____	Column 7) \$ _____	Column 12) \$ _____
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:	Column 1) \$ _____	Column 7) \$ _____	Column 12) \$ _____
4. Group Annuities - Other includes the following amounts related to Separate Account policies:	Column 1) \$ _____	Column 7) \$ _____	Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Arizona		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Life												
Industrial							0					0
Whole	14,865						0	4,738	4,804	5,611		15,153
Term	288,787						0	476,250	155,200	0		631,450
Indexed							0					0
Universal	161,197						0	0	0	99,162		99,162
Universal with secondary guarantees							0					0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Individual Life	464,849	0	0	0	0	0	0	480,988	160,004	104,773	0	745,765
Life												
Whole							0	0	0	0		0
Term							0	0	0	0		0
Universal							0	0	0	0		0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Annuities												
Fixed	75,604,551						0	10,988,997		12,380,780		23,369,777
Indexed	90,088,242						0	16,801,447		87,150,616		103,952,063
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	56,759						0	1,287,033		22,001		1,309,033
Other	(f)						0					0
Total Individual Annuities	165,749,552	0	0	0	0	0	0	29,077,477	0	99,553,396	0	128,630,873
Annuities												
Fixed	27,920						0	1,045,096		1,255,294		2,300,390
Indexed							0					0
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	1,183,914		56,885		1,240,799
Other	(f)						0					0
Total Group Annuities	27,920	0	0	0	0	0	0	2,229,010	0	1,312,179	0	3,541,189
Accident and Health												
Comprehensive individual	(d)						0	XXX	XXX	XXX		0
Comprehensive group	(d)						0	XXX	XXX	XXX		0
Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
Vision only	(d)						0	XXX	XXX	XXX		0
Dental only	(d)						0	XXX	XXX	XXX		0
Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
Credit A&H							0	XXX	XXX	XXX		0
Disability income	(d)						0	XXX	XXX	XXX		0
Long-term care	(d)						0	XXX	XXX	XXX	0	0
Other health	(d)						0	XXX	XXX	XXX		0
Total Accident and Health							0	XXX	XXX	XXX	0	0
Total	166,254,834 (c)	0	0	0	0	0	0	31,787,475	160,004	100,970,348	0	132,917,827

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code		0435		BUSINESS IN THE STATE OF		Arizona		DURING THE YEAR		2023		NAIC Company Code		63312					
Line of Business		Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit							
		13 Incurred During Current Year		Claims Settled During Current Year								22 Unpaid December 31, Current Year		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
				Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year				23	24	25	26	27	28
				14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount			Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount
Individual Life																			
1. Industrial									0	0									
2. Whole		13,429		3	9,542	0	0	0	0	3	9,542	3,887	1	100,000	9	(129,108)	69	611,251	
3. Term		631,450		18	631,450	0	0	0	0	18	631,450	0			(53)	(17,544,115)	218	60,942,000	
4. Indexed									0	0	0	0							
5. Universal		10,000		0	0	0	0	0	0	0	0	10,000			(14)	(1,137,813)	156	22,198,635	
6. Universal with secondary guarantees									0	0	0								
7. Variable									0	0	0								
8. Variable universal									0	0	0								
9. Credit									0	0	0								
10. Other		(f)							0	0	0								
11. Total Individual Life		654,879		21	640,992	0	0	0	0	21	640,992	13,887	1	100,000	(58)	(18,811,036)	443	83,751,886	
Group Life																			
12. Whole		0		0	0				0	0	0	0			4	1,668	10	16,126	
13. Term									0	0	0								
14. Universal									0	0	0								
15. Variable									0	0	0								
16. Variable universal									0	0	0								
17. Credit									0	0	0								
18. Other		(f)							0	0	0							(a)	
19. Total Group Life		0		0	0	0	0	0	0	0	0	0	0	0	4	1,668	10	16,126	
Individual Annuities																			
20. Fixed		8,073,498		75	8,052,241				75	8,052,241	1,558,882	463	79,609,399	(233)	(19,121,735)	2,060	239,291,827		
21. Indexed		18,793,630		119	16,347,381				119	16,347,381	5,422,732	586	89,858,601	(769)	(83,723,371)	4,546	579,868,548		
22. Variable with guarantees									0	0	0								
23. Variable without guarantees									0	0	0								
24. Life contingent payout		541,333		7	541,333				7	541,333		8	1,048,796	(13)	(1,012,905)	113	4,381,721		
25. Other		(f)							0	0	0	27	1,948,689	(30)	(2,634,868)	183	7,423,763		
26. Total Individual Annuities		27,408,462		201	24,940,956	0	0	0	201	24,940,956	6,981,615	1,084	172,465,485	(1,045)	(106,492,879)	6,902	830,965,859		
Group Annuities																			
27. Fixed		1,053,400		11	1,044,309				11	1,044,309	13,747			(47)	(1,821,068)	597	13,605,974		
28. Indexed									0	0	0								
29. Variable with guarantees									0	0	0								
30. Variable without guarantees									0	0	0								
31. Life contingent payout									0	0	0			(10)	(754,098)	411	16,037,073		
32. Other		(f)							0	0	0			(1)	(774)				
33. Total Group Annuities		1,053,400		11	1,044,309	0	0	0	11	1,044,309	13,747	0	0	(58)	(2,575,940)	1,008	29,643,047		
Accident and Health																			
34. Comprehensive individual		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
35. Comprehensive group		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
36. Medicare Supplement		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	0	
37. Vision only		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
38. Dental only		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
39. Federal Employees Health Benefits Plan		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
40. Title XVIII Medicare		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
41. Title XIX Medicaid		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
42. Credit A&H			XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
43. Disability income		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	0	
44. Long-term care		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	1,678	6	13,311		
45. Other health		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	1	25		
46. Total Accident and Health			XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	1,678	7	13,336		
47. TOTAL			29,116,740	233	26,626,256	0	0	0	233	26,626,256	7,009,249	1,085	172,565,485	(1,157)	(127,876,509)	8,370	944,390,254		

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 768,131 Group: \$ Total: \$ 768,131

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Arkansas		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial								0				0
2. Whole	6,103							0	5,000	0	0	5,000
3. Term	112,863							0	150,000	0	0	150,000
4. Indexed								0				0
5. Universal	27,425							0	0	0	52,430	52,430
6. Universal with secondary guarantees								0				0
7. Variable								0				0
8. Variable universal								0				0
9. Credit								0				0
10. Other (f)								0				0
11. Total Individual Life	146,391	0	0	0	0	0	0	0	155,000	0	52,430	207,430
Group Life												
12. Whole								0	112,126	0	0	112,126
13. Term								0	0	0	0	0
14. Universal								0	0	0	0	0
15. Variable								0				0
16. Variable universal								0				0
17. Credit								0				0
18. Other (f)								0				0
19. Total Group Life	0	0	0	0	0	0	0	0	112,126	0	0	112,126
Individual Annuities												
20. Fixed	21,488,465							0	2,628,676		7,882,127	10,510,804
21. Indexed	34,875,406							0	4,484,684		24,383,281	28,867,964
22. Variable with guarantees								0				0
23. Variable without guarantees								0				0
24. Life contingent payout	0							0	96,351		0	96,351
25. Other (f)								0				0
26. Total Individual Annuities	56,363,871	0	0	0	0	0	0	0	7,209,711	0	32,265,408	39,475,119
Group Annuities												
27. Fixed	600							0	8,130		22,108	30,238
28. Indexed								0				0
29. Variable with guarantees								0				0
30. Variable without guarantees								0				0
31. Life contingent payout	0							0	523,883		0	523,883
32. Other (f)								0				0
33. Total Group Annuities	600	0	0	0	0	0	0	0	532,013	0	22,108	554,121
Accident and Health												
34. Comprehensive individual (d)								0	XXX	XXX	XXX	0
35. Comprehensive group (d)								0	XXX	XXX	XXX	0
36. Medicare Supplement (d)	0							0	XXX	XXX	XXX	0
37. Vision only (d)								0	XXX	XXX	XXX	0
38. Dental only (d)								0	XXX	XXX	XXX	0
39. Federal Employees Health Benefits Plan (d)								0	XXX	XXX	XXX	0
40. Title XVIII Medicare (d)	(e)							0	XXX	XXX	XXX	0
41. Title XIX Medicaid (d)								0	XXX	XXX	XXX	0
42. Credit A&H								0	XXX	XXX	XXX	0
43. Disability income (d)	0							0	XXX	XXX	XXX	0
44. Long-term care (d)	1,201							0	XXX	XXX	XXX	0
45. Other health (d)	0							0	XXX	XXX	XXX	0
46. Total Accident and Health	1,201	0	0	0	0	0	0	0	XXX	XXX	XXX	0
47. Total	56,512,063 (c)	0	0	0	0	0	0	0	8,008,850	0	32,339,946	40,348,796

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Arkansas	DURING THE YEAR						2023	NAIC Company Code		63312								
Line of Business	Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit										
		13	Claims Settled During Current Year								22	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)						
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28					
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount												
Individual Life																						
1. Industrial									0	0												
2. Whole	5,000	1		5,000	0	0	0	0	1	5,000	0			1	133	17	149,690					
3. Term	450,000	1		150,000	0	0	0	0	1	150,000	300,000			(11)	(7,790,000)	79	17,606,000					
4. Indexed									0	0												
5. Universal	0	0		0	0	0	0	0	0	0	0			(4)	(338,399)	41	4,812,308					
6. Universal with secondary guarantees									0	0												
7. Variable									0	0												
8. Variable universal									0	0												
9. Credit									0	0												
10. Other	(f)								0	0												
11. Total Individual Life	455,000	2		155,000	0	0	0	0	2	155,000	300,000	0	0	(14)	(8,128,266)	137	22,567,998					
Group Life																						
12. Whole	112,126	20		112,126					20	112,126	0			(24)	(122,396)	179	820,388					
13. Term									0	0												
14. Universal									0	0												
15. Variable									0	0												
16. Variable universal									0	0												
17. Credit									0	0												
18. Other	(f)								0	0							(a)					
19. Total Group Life	112,126	20		112,126	0	0	0	0	20	112,126	0	0	0	(24)	(122,396)	179	820,388					
Individual Annuities																						
20. Fixed	1,785,209	35		2,125,478					35	2,125,478	32,026	254	20,422,500	(145)	(7,031,588)	1,146	81,699,121					
21. Indexed	4,962,739	43		4,462,653					43	4,462,653	1,293,192	230	34,118,580	(227)	(19,820,662)	1,811	221,792,804					
22. Variable with guarantees									0	0												
23. Variable without guarantees									0	0												
24. Life contingent payout	47,399	1		47,399					1	47,399				(1)	(78,212)	8	295,053					
25. Other	(f)								0	0		12	1,040,525	(4)	(408,271)	38	2,387,501					
26. Total Individual Annuities	6,795,346	79		6,635,530	0	0	0	0	79	6,635,530	1,325,218	496	55,581,605	(377)	(27,338,733)	3,003	306,174,479					
Group Annuities																						
27. Fixed	0	0		0					0	0	0			2	5,630	45	626,773					
28. Indexed									0	0												
29. Variable with guarantees									0	0												
30. Variable without guarantees									0	0												
31. Life contingent payout									0	0				(1)	(273,977)	173	6,515,880					
32. Other	(f)								0	0					(7,488)	2	14,647					
33. Total Group Annuities	0	0		0	0	0	0	0	0	0	0	0	0	1	(275,835)	220	7,157,300					
Accident and Health																						
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	(3,717)	4	1,348					
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	(3,717)	4	1,348					
47. TOTAL		7,362,472	101	6,902,656	0	0	0	0	101	6,902,656	1,625,218	496	55,581,605	(414)	(35,868,947)	3,543	336,721,513					

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____,867,687 Group: \$ _____ Total: \$ _____,867,687

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

2. Group Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

3. Individual Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

4. Group Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF California DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole 130,414								58,333	0	17,473		75,806
3. Term 2,502,944							0	2,638,596	1,923,360	56,600		4,618,556
4. Indexed							0					0
5. Universal 1,667,348							0	2,534,607	0	633,630		3,168,237
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other (f)							0					0
11. Total Individual Life	4,300,706	0	0	0	0	0	0	5,231,536	1,923,360	707,703	0	7,862,599
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other (f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed 569,811,961							0	47,257,116		87,342,902		134,600,019
21. Indexed 359,970,437							0	65,555,781		414,072,625		479,628,406
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout 1,208,632							0	4,073,271		21,635		4,094,906
25. Other (f)							0					0
26. Total Individual Annuities	930,991,030	0	0	0	0	0	0	116,886,168	0	501,437,162	0	618,323,331
Group Annuities												
27. Fixed 1,766,688							0	2,726,648		15,355,731		18,082,379
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout (79)							0	3,913,531		6,493		3,920,024
32. Other (f)							0					0
33. Total Group Annuities	1,766,609	0	0	0	0	0	0	6,640,180	0	15,362,224	0	22,002,403
Accident and Health												
34. Comprehensive individual (d)							0	XXX	XXX	XXX		0
35. Comprehensive group (d)							0	XXX	XXX	XXX		0
36. Medicare Supplement (d)	7,441						0	XXX	XXX	XXX	5	5
37. Vision only (d)							0	XXX	XXX	XXX		0
38. Dental only (d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan (d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare (d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid (d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income (d)	345						0	XXX	XXX	XXX	6,130	6,130
44. Long-term care (d)	7,506						0	XXX	XXX	XXX		0
45. Other health (d)	148						0	XXX	XXX	XXX		0
46. Total Accident and Health	15,440	0	0	0	0	0	0	XXX	XXX	XXX	6,135	6,135
47. Total	937,073,785 (c)	0	0	0	0	0	0	128,757,884	1,923,360	517,507,089	6,135	648,194,468

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		California	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	200,533	9	199,884	0	0	0	0	9	199,884	22,555	1	75,000	(13)	(762,909)	396	7,596,556	
3. Term	3,985,905	170	4,486,905	0	0	0	0	170	4,486,905	160,000			(388)	(155,339,121)	2,160	602,935,140	
4. Indexed								0	0								
5. Universal	2,253,107	30	2,468,107	0	0	0	0	30	2,468,107	140,000			(97)	(15,295,590)	1,915	307,136,440	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	6,439,545	209	7,154,896	0	0	0	0	209	7,154,896	322,555	1	120,000	(498)	(171,397,620)	4,471	917,668,136	
Group Life																	
12. Whole	0	0	0					0	0	0			(1)	5,741	7	32,829	
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	(1)	5,741	7	32,829	
Individual Annuities																	
20. Fixed	35,427,124	374	32,308,836					374	32,308,836	14,478,759	3,246	630,787,643	(1,635)	(157,588,313)	16,010	1,656,768,260	
21. Indexed	61,466,976	430	62,671,761					430	62,671,761	17,123,933	2,409	404,900,001	(3,466)	(461,130,069)	17,738	2,313,266,451	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	584,038	15	584,038					15	584,038		43	4,050,342	(69)	(3,761,138)	614	25,811,827	
25. Other	(f)							0	0		238	16,127,907	(299)	(12,020,452)	1,243	44,579,507	
26. Total Individual Annuities	97,478,138	819	95,564,634	0	0	0	0	819	95,564,634	31,602,692	5,936	1,055,865,893	(5,469)	(634,499,972)	35,605	4,040,426,045	
Group Annuities																	
27. Fixed	2,767,086	55	2,699,353					55	2,699,353	1,796,258			(446)	(9,754,637)	7,607	213,728,119	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0		1	151,573	(46)	(2,772,575)	1,806	58,276,016	
32. Other	(f)							0	0					(9,609)	2	178,908	
33. Total Group Annuities	2,767,086	55	2,699,353	0	0	0	0	55	2,699,353	1,796,258	1	151,573	(492)	(12,536,821)	9,415	272,183,043	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	719	1	7,441	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	3	345	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	595	6	7,920	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	(33)	3	149	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	1,281	13	15,855	
47. TOTAL		106,684,769	1,083	105,418,884	0	0	0	1,083	105,418,884	33,721,505	5,938	1,056,137,466	(6,460)	(818,427,391)	49,511	5,230,325,908	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 508,105 Group: \$ Total: \$ 508,105

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Colorado

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole 6,027							0	22,500	1,910	2,154		26,564
3. Term 148,150							0	375,000	20,700	0		395,700
4. Indexed							0					0
5. Universal 49,940							0	0	0	1,698		1,698
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other (f)							0					0
11. Total Individual Life	204,117	0	0	0	0	0	0	397,500	22,610	3,852	0	423,962
Group Life												
12. Whole							0	56,263	0	0		56,263
13. Term 0							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other (f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	56,263	0	0	0	56,263
Individual Annuities												
20. Fixed 47,195,276							0	7,090,497		3,672,060		10,762,556
21. Indexed 56,635,015							0	10,780,865		61,449,239		72,230,104
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout 65,842							0	922,230		0		922,230
25. Other (f)							0					0
26. Total Individual Annuities	103,896,133	0	0	0	0	0	0	18,793,591	0	65,121,298	0	83,914,890
Group Annuities												
27. Fixed	0						0	54,161		279,420		333,581
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout 0							0	443,256		0		443,256
32. Other (f)							0					0
33. Total Group Annuities	0	0	0	0	0	0	0	497,418	0	279,420	0	776,838
Accident and Health												
34. Comprehensive individual (d)							0	XXX	XXX	XXX		0
35. Comprehensive group (d)							0	XXX	XXX	XXX		0
36. Medicare Supplement (d)	4,954						0	XXX	XXX	XXX	2,024	2,024
37. Vision only (d)							0	XXX	XXX	XXX		0
38. Dental only (d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan (d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare (d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid (d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income (d)	0						0	XXX	XXX	XXX		0
44. Long-term care (d)	79,458						0	XXX	XXX	XXX	190,566	190,566
45. Other health (d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	84,412	0	0	0	0	0	0	XXX	XXX	XXX	192,590	192,590
47. Total	104,184,662 (c)	0	0	0	0	0	0	19,744,772	22,610	65,404,569	192,590	85,364,542

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code		0435		BUSINESS IN THE STATE OF		Colorado		DURING THE YEAR							2023		NAIC Company Code		63312		
Line of Business				Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
				13		Claims Settled During Current Year						23	24			25	26	27	28		
				Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount			
						14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount								20 Number of Pols/ Certs	21 Amount	
				Incurred During Current Year																	
Individual Life																					
1. Industrial																					
2. Whole				24,410	3	24,410	0	0	0	3	24,410	0			1	386	20	122,901			
3. Term				395,700	5	395,700	0	0	0	5	395,700	0			(24)	(8,462,000)	111	32,447,001			
4. Indexed										0	0	0									
5. Universal				0	0	0	0	0	0	0	0	0			(2)	49,991	54	7,453,126			
6. Universal with secondary guarantees										0	0	0									
7. Variable										0	0	0									
8. Variable universal										0	0	0									
9. Credit										0	0	0									
10. Other (f)										0	0	0									
11. Total Individual Life				420,110	8	420,110	0	0	0	8	420,110	0	0	0	(25)	(8,411,623)	185	40,023,028			
Group Life																					
12. Whole				56,263	11	56,263				11	56,263	0			(17)	(53,998)	130	528,674			
13. Term										0	0										
14. Universal										0	0										
15. Variable										0	0										
16. Variable universal										0	0										
17. Credit										0	0										
18. Other (f)										0	0							(a)			
19. Total Group Life				56,263	11	56,263	0	0	0	11	56,263	0	0	0	(17)	(53,998)	130	528,674			
Individual Annuities																					
20. Fixed				3,674,710	30	4,021,232				30	4,021,232	376,869	264	47,629,233	(72)	(5,907,382)	859	122,483,712			
21. Indexed				10,036,933	64	10,153,209				64	10,153,209	1,607,906	324	57,595,960	(487)	(56,246,928)	2,680	349,845,210			
22. Variable with guarantees										0	0										
23. Variable without guarantees										0	0										
24. Life contingent payout				491,063	12	491,063				12	491,063		4	678,865	(15)	(1,142,347)	40	2,565,818			
25. Other (f)										0	0		30	2,017,356	(27)	(2,472,874)	141	8,355,073			
26. Total Individual Annuities				14,202,706	106	14,665,504	0	0	0	106	14,665,504	1,984,775	622	107,921,414	(601)	(65,769,531)	3,720	483,249,813			
Group Annuities																					
27. Fixed				43,335	3	54,161				3	54,161	0			(12)	(431,392)	214	3,314,951			
28. Indexed										0	0										
29. Variable with guarantees										0	0										
30. Variable without guarantees										0	0										
31. Life contingent payout										0	0				(8)	(466,286)	187	6,257,104			
32. Other (f)										0	0										
33. Total Group Annuities				43,335	3	54,161	0	0	0	3	54,161	0	0	0	(20)	(897,678)	401	9,572,055			
Accident and Health																					
34. Comprehensive individual (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
35. Comprehensive group (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
36. Medicare Supplement (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	298	1	4,954			
37. Vision only (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
38. Dental only (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
39. Federal Employees Health Benefits Plan (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
40. Title XVIII Medicare (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
41. Title XIX Medicaid (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
42. Credit A&H				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
43. Disability income (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0			
44. Long-term care (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(3)	1,666	52	103,993			
45. Other health (d)				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0			
46. Total Accident and Health				XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(3)	1,964	53	108,947			
47. TOTAL				14,722,415	128	15,196,039	0	0	0	128	15,196,039	1,984,775	622	107,921,414	(666)	(75,130,866)	4,489	533,482,517			

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____,6,844 Group: \$ _____ Total: \$ _____,6,844

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

- | | | | |
|--|--------------------|--------------------|---------------------|
| 1. Individual Life - Other includes the following amounts related to Separate Account policies: | Column 1) \$ _____ | Column 7) \$ _____ | Column 12) \$ _____ |
| 2. Group Life - Other includes the following amounts related to Separate Account policies: | Column 1) \$ _____ | Column 7) \$ _____ | Column 12) \$ _____ |
| 3. Individual Annuities - Other includes the following amounts related to Separate Account policies: | Column 1) \$ _____ | Column 7) \$ _____ | Column 12) \$ _____ |
| 4. Group Annuities - Other includes the following amounts related to Separate Account policies: | Column 1) \$ _____ | Column 7) \$ _____ | Column 12) \$ _____ |



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Connecticut DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....38,978							0	85,126	5,000	15,641		105,767
3. Term .....239,735							0	0	0	2,670		2,670
4. Indexed							0					0
5. Universal .....39,817							0	40,000	0	4,344		44,344
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	318,530	0	0	0	0	0	0	125,126	5,000	22,655	0	152,781
Group Life												
12. Whole							0	236,096	4,266	945		241,307
13. Term .....0							0	0	0	0		0
14. Universal .....0							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	236,096	4,266	945	0	241,307
Individual Annuities												
20. Fixed .....62,373,272							0	9,702,572		12,517,375		22,219,947
21. Indexed .....98,741,239							0	14,812,414		103,555,307		118,367,720
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout .....1,000,000							0	2,504,338		0		2,504,338
25. Other .....(f)							0					0
26. Total Individual Annuities	162,114,511	0	0	0	0	0	0	27,019,324	0	116,072,682	0	143,092,006
Group Annuities												
27. Fixed .....14,637							0	59,258		20,335		79,593
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout .....117,446							0	1,255,909		0		1,255,909
32. Other .....(f)							0					0
33. Total Group Annuities	132,083	0	0	0	0	0	0	1,315,167	0	20,335	0	1,335,502
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....0							0	XXX	XXX	XXX	0	0
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....82							0	XXX	XXX	XXX		0
44. Long-term care .....2,519							0	XXX	XXX	XXX	0	0
45. Other health .....180							0	XXX	XXX	XXX		0
46. Total Accident and Health	2,781	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	162,567,905 (c)	0	0	0	0	0	0	28,695,713	9,266	116,116,617	0	144,821,596

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code		0435		BUSINESS IN THE STATE OF		Connecticut		DURING THE YEAR		2023		NAIC Company Code		63312			
Line of Business		13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount							
Individual Life																	
1. Industrial									0	0							
2. Whole		73,944	15	90,126	0	0	0	0	15	90,126	0			(34)	(716,279)	354	8,392,163
3. Term		0	0	0	0	0	0	0	0	0	0			(36)	(20,755,000)	106	34,699,000
4. Indexed									0	0	0						
5. Universal		40,000	1	40,000	0	0	0	0	1	40,000	0			(4)	(923,170)	47	6,643,636
6. Universal with secondary guarantees									0	0							
7. Variable									0	0							
8. Variable universal									0	0							
9. Credit									0	0							
10. Other		(f)							0	0							
11. Total Individual Life		113,944	16	130,126	0	0	0	0	16	130,126	0	0	0	(74)	(22,394,449)	507	49,734,799
Group Life																	
12. Whole		252,694	34	240,362					34	240,362	12,741			(42)	(264,200)	384	2,198,779
13. Term									0	0							
14. Universal									0	0							
15. Variable									0	0							
16. Variable universal									0	0							
17. Credit									0	0							
18. Other		(f)							0	0							(a)
19. Total Group Life		252,694	34	240,362	0	0	0	0	34	240,362	12,741	0	0	(42)	(264,200)	384	2,198,779
Individual Annuities																	
20. Fixed		4,134,876	83	5,432,588					83	5,432,588	1,668,695	428	61,333,250	(226)	(11,119,963)	3,152	285,629,339
21. Indexed		12,197,350	113	14,092,055					113	14,092,055	2,574,757	765	107,840,934	(928)	(104,836,025)	5,411	630,659,302
22. Variable with guarantees									0	0							
23. Variable without guarantees									0	0							
24. Life contingent payout		207,977	3	207,977					3	207,977		19	2,635,826	(19)	(1,332,261)	182	16,473,312
25. Other		(f)							0	0		41	3,420,495	(59)	(4,037,744)	291	13,515,560
26. Total Individual Annuities		16,540,202	199	19,732,620	0	0	0	0	199	19,732,620	4,243,451	1,253	175,230,505	(1,232)	(121,325,993)	9,036	946,277,513
Group Annuities																	
27. Fixed		(51,227)	1	59,111					1	59,111	9,973				(55,615)	90	2,566,178
28. Indexed									0	0							
29. Variable with guarantees									0	0							
30. Variable without guarantees									0	0							
31. Life contingent payout									0	0				(10)	(705,313)	363	17,055,003
32. Other		(f)							0	0				(1)	(9,172)	1	9,869
33. Total Group Annuities		(51,227)	1	59,111	0	0	0	0	1	59,111	9,973	0	0	(11)	(770,100)	454	19,631,050
Accident and Health																	
34. Comprehensive individual		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
35. Comprehensive group		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
36. Medicare Supplement		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0
37. Vision only		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
38. Dental only		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
39. Federal Employees Health Benefits Plan		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
40. Title XVIII Medicare		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
41. Title XIX Medicaid		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
42. Credit A&H			XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
43. Disability income		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	82
44. Long-term care		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	1,234	1	2,519
45. Other health		(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	3	180
46. Total Accident and Health			XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	1,234	4	2,781
47. TOTAL			16,855,613	250	20,162,219	0	0	0	250	20,162,219	4,266,166	1,253	175,230,505	(1,359)	(144,753,508)	10,385	1,017,844,921

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____,259,813 Group: \$ _____ Total: \$ _____,259,813

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:	Column 1) \$ _____	Column 7) \$ _____	Column 12) \$ _____
2. Group Life - Other includes the following amounts related to Separate Account policies:	Column 1) \$ _____	Column 7) \$ _____	Column 12) \$ _____
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:	Column 1) \$ _____	Column 7) \$ _____	Column 12) \$ _____
4. Group Annuities - Other includes the following amounts related to Separate Account policies:	Column 1) \$ _____	Column 7) \$ _____	Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Delaware DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0	0	0	0		0
2. Whole	1,488						0	0	0	0		0
3. Term	37,941						0	0	76,000	0		76,000
4. Indexed							0					0
5. Universal	8,981						0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	48,410	0	0	0	0	0	0	0	76,000	0	0	76,000
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	30,766,557						0	2,101,792		4,684,982		6,786,774
21. Indexed	14,773,287						0	1,927,304		29,691,319		31,618,623
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	0		0		0
25. Other	(f)						0					0
26. Total Individual Annuities	45,539,844	0	0	0	0	0	0	4,029,096	0	34,376,301	0	38,405,397
Group Annuities												
27. Fixed	0						0	118,696		14,070		132,766
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	184,610		0		184,610
32. Other	(f)						0					0
33. Total Group Annuities	0	0	0	0	0	0	0	303,306	0	14,070	0	317,376
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
45. Other health	(d)	0					0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	45,588,254 (c)	0	0	0	0	0	0	4,332,402	76,000	34,390,371	0	38,798,773

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Delaware		DURING THE YEAR 2023							NAIC Company Code 63312						
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Policy Exhibit						
		Claims Settled During Current Year									Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)		
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	
Individual Life																	
1. Industrial								0	0								
2. Whole	0	0	0	0	0	0	0	0	0	0					5	98,406	
3. Term	76,000	2	76,000	0	0	0	0	0	0	0			(6)	(3,810,000)	42	9,899,300	
4. Indexed								0	0								
5. Universal	0	0	0	0	0	0	0	0	0	0			(1)	(74,505)	12	859,263	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	76,000	2	76,000	0	0	0	0	2	76,000	0	0	0	(7)	(3,884,505)	59	10,856,969	
Group Life																	
12. Whole	0	0	0					0	0	0							
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Individual Annuities																	
20. Fixed	1,747,844	21	1,739,792					21	1,739,792	603,674	227	31,393,522	(82)	(4,106,130)	728	92,091,913	
21. Indexed	915,678	22	1,817,596					22	1,817,596	141,996	97	13,943,639	(232)	(25,157,132)	1,174	134,709,681	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	0	0	0					0	0								
25. Other	(f)							0	0		5	355,308	(1)	(268,771)	27	1,003,986	
26. Total Individual Annuities	2,663,523	43	3,557,388	0	0	0	0	43	3,557,388	745,670	329	45,692,469	(315)	(29,532,033)	1,929	227,805,580	
Group Annuities																	
27. Fixed	118,696	2	118,696					2	118,696	0			(2)	(57,234)	25	1,101,044	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(1)	(164,056)	45	2,120,148	
32. Other	(f)							0	0								
33. Total Group Annuities	118,696	2	118,696	0	0	0	0	2	118,696	0	0	0	(3)	(221,290)	70	3,221,192	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
47. TOTAL		2,858,218	47	3,752,084	0	0	0	47	3,752,084	745,670	329	45,692,469	(325)	(33,637,828)	2,058	241,883,741	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 0 Group: \$ _____ Total: \$ _____ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

2. Group Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

3. Individual Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

4. Group Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF District of Columbia		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Life												
Industrial							0					0
Whole	1,731						0	0	0	0		0
Term	4,703						0	0	0	0		0
Indexed							0					0
Universal	17,223						0	0	0	25,730		25,730
Universal with secondary guarantees							0					0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Individual Life	23,657	0	0	0	0	0	0	0	0	25,730	0	25,730
Group Life												
Whole							0	0	0	0		0
Term							0	0	0	0		0
Universal							0	0	0	0		0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Annuities												
Fixed	2,744,762						0	396,373		1,532,344		1,928,717
Indexed	4,895,127						0	371,987		4,049,861		4,421,848
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	21,741		0		21,741
Other	(f)						0					0
Total Individual Annuities	7,639,889	0	0	0	0	0	0	790,101	0	5,582,206	0	6,372,306
Group Annuities												
Fixed	0						0	0		0		0
Indexed							0					0
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	25,999		0		25,999
Other	(f)						0					0
Total Group Annuities	0	0	0	0	0	0	0	25,999	0	0	0	25,999
Accident and Health												
Comprehensive individual	(d)						0	XXX	XXX	XXX		0
Comprehensive group	(d)						0	XXX	XXX	XXX		0
Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
Vision only	(d)						0	XXX	XXX	XXX		0
Dental only	(d)						0	XXX	XXX	XXX		0
Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
Credit A&H							0	XXX	XXX	XXX		0
Disability income	(d)	0					0	XXX	XXX	XXX		0
Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
Other health	(d)	0					0	XXX	XXX	XXX		0
Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
Total	7,663,546 (c)	0	0	0	0	0	0	816,100	0	5,607,936	0	6,424,036

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code		0435		BUSINESS IN THE STATE OF		District of Columbia		DURING THE YEAR		2023		NAIC Company Code		63312			
Line of Business		13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount							
Individual Life																	
1. Industrial																	
2. Whole		0	0	0	0	0	0	0	0	0	0					10	135,429
3. Term		0	0	0	0	0	0	0	0	0	0			(1)	(200,000)	6	1,950,000
4. Indexed																	
5. Universal		0	0	0	0	0	0	0	0	0	0			(4)	(378,286)	23	2,985,602
6. Universal with secondary guarantees																	
7. Variable																	
8. Variable universal																	
9. Credit																	
10. Other (f)																	
11. Total Individual Life		0	0	0	0	0	0	0	0	0	0	0	0	(5)	(578,286)	39	5,071,031
Group Life																	
12. Whole		0	0	0					0	0	0						
13. Term									0	0							
14. Universal									0	0							
15. Variable									0	0							
16. Variable universal									0	0							
17. Credit									0	0							
18. Other (f)									0	0							(a)
19. Total Group Life		0	0	0	0	0	0	0	0	0	0	0	0			0	0
Individual Annuities																	
20. Fixed		164,077	6	387,632					6	387,632	111,895	22	2,190,262	(17)	(815,771)	137	11,280,797
21. Indexed		418,255	7	366,903					7	366,903	421,508	24	4,856,484	(16)	(2,917,732)	150	21,832,093
22. Variable with guarantees									0	0							
23. Variable without guarantees									0	0							
24. Life contingent payout		0	0	0					0	0		2	117,253		(3,369)	4	237,119
25. Other (f)									0	0				(1)	(7,636)	2	27,691
26. Total Individual Annuities		582,332	13	754,535	0	0	0	0	13	754,535	533,402	48	7,163,999	(34)	(3,744,508)	293	33,377,700
Group Annuities																	
27. Fixed		0	0	0					0	0	0				1,077	7	28,710
28. Indexed									0	0							
29. Variable with guarantees									0	0							
30. Variable without guarantees									0	0							
31. Life contingent payout									0	0					(14,752)	4	375,209
32. Other (f)									0	0							
33. Total Group Annuities		0	0	0	0	0	0	0	0	0	0	0	0	0	(13,675)	11	403,919
Accident and Health																	
34. Comprehensive individual (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
35. Comprehensive group (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
36. Medicare Supplement (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0
37. Vision only (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
38. Dental only (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
39. Federal Employees Health Benefits Plan (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
40. Title XVIII Medicare (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
41. Title XIX Medicaid (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
43. Disability income (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0
44. Long-term care (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0
45. Other health (d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	0	0	0
47. TOTAL		582,332	13	754,535	0	0	0	0	13	754,535	533,402	48	7,163,999	(39)	(4,336,469)	343	38,852,650

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Florida

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	115,511							159,453	0	45,536		204,989
3. Term	913,437						0	1,001,000	495,700	33,883		1,530,583
4. Indexed							0					0
5. Universal	556,397						0	870,932	0	312,359		1,183,291
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	1,585,345	0	0	0	0	0	0	2,031,385	495,700	391,778	0	2,918,862
Group Life												
12. Whole							0	17,969	7,825	1,915		27,709
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	17,969	7,825	1,915	0	27,709
Individual Annuities												
20. Fixed	449,195,068						0	35,100,640		94,540,048		129,640,688
21. Indexed	372,138,346						0	54,436,446		492,152,059		546,588,505
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	508,588						0	3,573,296		140,981		3,714,277
25. Other	(f)						0					0
26. Total Individual Annuities	821,842,002	0	0	0	0	0	0	93,110,382	0	586,833,089	0	679,943,471
Group Annuities												
27. Fixed	453,551						0	185,554		5,798,349		5,983,903
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	13,880						0	5,669,843		0		5,669,843
32. Other	(f)						0					0
33. Total Group Annuities	467,431	0	0	0	0	0	0	5,855,397	0	5,798,349	0	11,653,746
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	237,353					0	XXX	XXX	XXX	267,188	267,188
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	164					0	XXX	XXX	XXX		0
44. Long-term care	(d)	35,724					0	XXX	XXX	XXX	101,097	101,097
45. Other health	(d)	94					0	XXX	XXX	XXX		0
46. Total Accident and Health	273,335	0	0	0	0	0	0	XXX	XXX	XXX	368,285	368,285
47. Total	824,168,113 (c)	0	0	0	0	0	0	101,015,133	503,525	593,025,130	368,285	694,912,074

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Florida	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Policy Exhibit						
		Claims Settled During Current Year									Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)		
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	
Individual Life																	
1. Industrial								0	0								
2. Whole	289,570	21	274,028	0	0	0	0	21	274,028	48,543			(22)	(208,899)	279	4,237,579	
3. Term	1,345,700	24	1,496,700	0	0	0	0	24	1,496,700	50,000			(164)	(70,255,200)	717	190,703,737	
4. Indexed								0	0								
5. Universal	671,357	11	756,357	0	0	0	0	11	756,357	0			(30)	(3,968,898)	600	88,063,558	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	2,306,628	56	2,527,085	0	0	0	0	56	2,527,085	98,543	0	0	(216)	(74,432,997)	1,596	283,004,874	
Group Life																	
12. Whole	25,794	2	25,794					2	25,794	0			(2)	(14,873)	33	152,479	
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	25,794	2	25,794	0	0	0	0	2	25,794	0	0	0	(2)	(14,873)	33	152,479	
Individual Annuities																	
20. Fixed	26,683,790	331	24,102,902					331	24,102,902	9,041,624	2,540	468,002,922	(1,628)	(116,690,123)	11,711	1,326,841,882	
21. Indexed	58,979,347	465	52,380,009					465	52,380,009	19,667,802	2,213	318,686,041	(3,680)	(411,085,964)	20,950	2,615,414,076	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	1,197,989	14	1,197,989					14	1,197,989		30	2,522,925	(37)	(2,605,850)	359	16,262,537	
25. Other	(f)							0	0		102	8,184,630	(145)	(8,420,536)	727	30,495,254	
26. Total Individual Annuities	86,861,125	810	77,680,899	0	0	0	0	810	77,680,899	28,709,426	4,885	797,396,518	(5,490)	(538,802,473)	33,747	3,989,013,749	
Group Annuities																	
27. Fixed	245,060	20	182,314					20	182,314	170,773			(163)	(2,364,665)	2,989	74,991,195	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(51)	(3,995,830)	1,205	70,131,607	
32. Other	(f)							0	0					15,916	3	278,177	
33. Total Group Annuities	245,060	20	182,314	0	0	0	0	20	182,314	170,773	0	0	(214)	(6,344,579)	4,197	145,400,979	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(9)	(25,918)	71	237,353	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(1)	0	1	164	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	5,862	22	54,390	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(1)	(104)	3	94	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	(11)	(20,160)	97	292,001	
47. TOTAL		89,438,606	888	80,416,092	0	0	0	888	80,416,092	28,978,741	4,885	797,396,518	(5,933)	(619,615,082)	39,670	4,417,864,082	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 1,166,616 Group: \$ Total: \$ 1,166,616

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Georgia DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....76,366								24,321	0	20,446		44,767
3. Term .....374,444							0	1,905,999	99,300	0		2,005,299
4. Indexed							0					0
5. Universal .....250,246							0	50,000	0	114,910		164,910
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	701,056	0	0	0	0	0	0	1,980,320	99,300	135,357	0	2,214,977
Group Life												
12. Whole							0	9,710	0	0		9,710
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	9,710	0	0	0	9,710
Individual Annuities												
20. Fixed .....106,649,608							0	13,951,958		33,420,480		47,372,438
21. Indexed .....133,596,444							0	20,031,925		105,555,185		125,587,110
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	1,052,107		0		1,052,107
25. Other .....(f)							0					0
26. Total Individual Annuities	240,246,052	0	0	0	0	0	0	35,035,989	0	138,975,665	0	174,011,655
Group Annuities												
27. Fixed .....550							0	133,485		297,814		431,298
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	1,333,252		0		1,333,252
32. Other .....(f)							0					0
33. Total Group Annuities	550	0	0	0	0	0	0	1,466,737	0	297,814	0	1,764,551
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	13,547						0	XXX	XXX	XXX	8,634	8,634
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	71,336						0	XXX	XXX	XXX	11,456	11,456
45. Other health .....(d)	215						0	XXX	XXX	XXX		0
46. Total Accident and Health	85,098	0	0	0	0	0	0	XXX	XXX	XXX	20,090	20,090
47. Total	241,032,756 (c)	0	0	0	0	0	0	38,492,756	99,300	139,408,836	20,090	178,020,981

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Georgia	DURING THE YEAR						2023	NAIC Company Code		63312								
Line of Business	Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit										
		13	Claims Settled During Current Year								22	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)						
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28					
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount												
Individual Life																						
1. Industrial									0	0												
2. Whole	29,321	3		24,321	0	0	0	0	3	24,321	5,000	2	150,000	(2)	(47,399)	128	1,435,078					
3. Term	1,606,299	19		2,005,299	0	0	0	0	19	2,005,299	101,000			(61)	(19,513,199)	355	80,016,247					
4. Indexed					0	0	0	0	0	0												
5. Universal	50,000	1		50,000	0	0	0	0	1	50,000	0			(15)	(1,497,301)	259	35,602,192					
6. Universal with secondary guarantees					0	0	0	0	0	0												
7. Variable					0	0	0	0	0	0												
8. Variable universal					0	0	0	0	0	0												
9. Credit					0	0	0	0	0	0												
10. Other	(f)				0	0	0	0	0	0												
11. Total Individual Life	1,685,620	23		2,079,620	0	0	0	0	23	2,079,620	106,000	2	150,000	(78)	(21,057,899)	742	117,053,517					
Group Life																						
12. Whole	9,710	1		9,710					1	9,710	0			1	(9,065)	19	103,085					
13. Term									0	0												
14. Universal									0	0												
15. Variable									0	0												
16. Variable universal									0	0												
17. Credit									0	0												
18. Other	(f)								0	0							(a)					
19. Total Group Life	9,710	1		9,710	0	0	0	0	1	9,710	0	0	0	1	(9,065)	19	103,085					
Individual Annuities																						
20. Fixed	10,847,527	120		11,666,164					120	11,666,164	1,777,786	706	115,177,165	(569)	(40,174,504)	4,064	406,566,502					
21. Indexed	17,003,094	134		19,433,801					134	19,433,801	4,741,204	970	133,234,487	(893)	(86,185,588)	7,017	807,315,412					
22. Variable with guarantees									0	0												
23. Variable without guarantees									0	0												
24. Life contingent payout	732,409	2		732,409					2	732,409		7	449,706	(1)	(780,578)	42	2,272,041					
25. Other	(f)								0	0		20	1,740,111	(16)	(2,009,586)	139	6,371,794					
26. Total Individual Annuities	28,583,030	256		31,832,374	0	0	0	0	256	31,832,374	6,518,990	1,703	250,601,469	(1,479)	(129,150,256)	11,262	1,222,525,749					
Group Annuities																						
27. Fixed	127,928	4		132,723					4	132,723	0			(2)	(151,347)	218	4,391,973					
28. Indexed									0	0												
29. Variable with guarantees									0	0												
30. Variable without guarantees									0	0												
31. Life contingent payout									0	0				(14)	(581,671)	391	17,650,263					
32. Other	(f)								0	0				(1)	(2,091)	3	114,588					
33. Total Group Annuities	127,928	4		132,723	0	0	0	0	4	132,723	0	0	0	(17)	(735,109)	612	22,156,824					
Accident and Health																						
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	(600)	4	13,547					
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(2)	(2,817)	36	79,058					
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	1	215					
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	(2)	(3,417)	41	92,820					
47. TOTAL		30,406,289	284	34,054,427	0	0	0	0	284	34,054,427	6,624,990	1,705	250,751,469	(1,575)	(150,955,746)	12,676	1,361,931,995					

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 207,657 Group: \$ Total: \$ 207,657

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Hawaii		DURING THE YEAR 2023				NAIC Company Code 63312					
Line of Business		1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
				3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life													
1.	Industrial							0					0
2.	Whole	8,471						0	0	0	13,825		13,825
3.	Term	90,050						0	50,000	12,600	0		62,600
4.	Indexed							0					0
5.	Universal	146,063						0	376,029	0	91,806		467,835
6.	Universal with secondary guarantees							0					0
7.	Variable							0					0
8.	Variable universal							0					0
9.	Credit							0					0
10.	Other	(f)						0					0
11.	Total Individual Life	244,584	0	0	0	0	0	0	426,029	12,600	105,631	0	544,260
Group Life													
12.	Whole							0	0	0	0		0
13.	Term							0	0	0	0		0
14.	Universal							0	0	0	0		0
15.	Variable							0					0
16.	Variable universal							0					0
17.	Credit							0					0
18.	Other	(f)						0					0
19.	Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities													
20.	Fixed	40,574,061						0	2,796,414		10,236,240		13,032,654
21.	Indexed	24,830,582						0	3,043,225		25,814,764		28,857,989
22.	Variable with guarantees							0					0
23.	Variable without guarantees							0					0
24.	Life contingent payout	0						0	135,583		0		135,583
25.	Other	(f)						0					0
26.	Total Individual Annuities	65,404,643	0	0	0	0	0	0	5,975,223	0	36,051,004	0	42,026,227
Group Annuities													
27.	Fixed	42,717						0	64,964		1,519,708		1,584,672
28.	Indexed							0					0
29.	Variable with guarantees							0					0
30.	Variable without guarantees							0					0
31.	Life contingent payout	0						0	976,065		0		976,065
32.	Other	(f)						0					0
33.	Total Group Annuities	42,717	0	0	0	0	0	0	1,041,028	0	1,519,708	0	2,560,737
Accident and Health													
34.	Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35.	Comprehensive group	(d)						0	XXX	XXX	XXX		0
36.	Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37.	Vision only	(d)						0	XXX	XXX	XXX		0
38.	Dental only	(d)						0	XXX	XXX	XXX		0
39.	Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40.	Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41.	Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42.	Credit A&H							0	XXX	XXX	XXX		0
43.	Disability income	(d)	0					0	XXX	XXX	XXX		0
44.	Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
45.	Other health	(d)	0					0	XXX	XXX	XXX		0
46.	Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47.	Total	65,691,944 (c)	0	0	0	0	0	0	7,442,280	12,600	37,676,343	0	45,131,223

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Hawaii	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit					
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	0	0	0	0	0	0	0	0	0	0			(2)	(100,383)	16	1,048,494	
3. Term	62,600	3	62,600	0	0	0	0	0	62,600	50,000			(6)	(2,936,000)	52	13,400,000	
4. Indexed								0	0	0							
5. Universal	406,767	4	376,029	0	0	0	0	0	376,029	30,738			(11)	(1,311,421)	206	25,232,421	
6. Universal with secondary guarantees								0	0	0							
7. Variable								0	0	0							
8. Variable universal								0	0	0							
9. Credit								0	0	0							
10. Other	(f)							0	0	0							
11. Total Individual Life	469,367	7	438,629	0	0	0	0	7	438,629	80,738	0	0	(19)	(4,347,804)	274	39,680,915	
Group Life																	
12. Whole	0	0	0					0	0	0							
13. Term								0	0	0							
14. Universal								0	0	0							
15. Variable								0	0	0							
16. Variable universal								0	0	0							
17. Credit								0	0	0							
18. Other	(f)							0	0	0						(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Individual Annuities																	
20. Fixed	1,040,805	34	1,809,850					34	1,809,850	924,747	246	40,069,181	(140)	(7,716,715)	1,948	168,714,836	
21. Indexed	2,576,241	20	3,022,810					20	3,022,810	406,780	181	22,436,428	(206)	(21,122,505)	1,829	221,762,250	
22. Variable with guarantees								0	0	0							
23. Variable without guarantees								0	0	0							
24. Life contingent payout	0	0	0					0	0	0	5	440,200	(3)	(119,699)	40	1,543,993	
25. Other	(f)							0	0	0	21	883,781	(14)	(846,961)	138	3,095,971	
26. Total Individual Annuities	3,617,046	54	4,832,660	0	0	0	0	54	4,832,660	1,331,527	453	63,829,590	(363)	(29,805,880)	3,955	395,117,050	
Group Annuities																	
27. Fixed	53,296	5	64,964					5	64,964	52,205			(39)	(708,232)	765	24,652,347	
28. Indexed								0	0	0							
29. Variable with guarantees								0	0	0							
30. Variable without guarantees								0	0	0							
31. Life contingent payout								0	0	0			(13)	(667,313)	439	12,375,329	
32. Other	(f)							0	0	0							
33. Total Group Annuities	53,296	5	64,964	0	0	0	0	5	64,964	52,205	0	0	(52)	(1,375,545)	1,204	37,027,676	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	0	0	0	
47. TOTAL		4,139,709	66	5,336,253	0	0	0	66	5,336,253	1,464,470	453	63,829,590	(434)	(35,529,229)	5,433	471,825,641	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 0 Group: \$ _____ Total: \$ _____ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

2. Group Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

3. Individual Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

4. Group Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Idaho

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	520						0	2,788	(559)	0		2,229
3. Term	58,685						0	0	73,500	0		73,500
4. Indexed							0					0
5. Universal	16,662						0	0	0	38,464		38,464
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	75,867	0	0	0	0	0	0	2,788	72,941	38,464	0	114,193
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	20,393,277						0	3,660,272		5,163,191		8,823,463
21. Indexed	27,610,494						0	4,502,880		25,878,187		30,381,067
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	51,575						0	277,807		42,819		320,627
25. Other	(f)						0					0
26. Total Individual Annuities	48,055,346	0	0	0	0	0	0	8,440,959	0	31,084,197	0	39,525,157
Group Annuities												
27. Fixed	8,100						0	5,257		752,562		757,819
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	2,435,709		0		2,435,709
32. Other	(f)						0					0
33. Total Group Annuities	8,100	0	0	0	0	0	0	2,440,965	0	752,562	0	3,193,528
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	2,604					0	XXX	XXX	XXX	0	0
45. Other health	(d)	0					0	XXX	XXX	XXX		0
46. Total Accident and Health	2,604	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	48,141,917 (c)	0	0	0	0	0	0	10,884,712	72,941	31,875,223	0	42,832,877

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Idaho	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Policy Exhibit						
		Claims Settled During Current Year									Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)		
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	
Individual Life																	
1. Industrial								0	0								
2. Whole	1,670	2	2,229	0	0	0	0	2	2,229	0			3	8,282	28	69,624	
3. Term	73,500	10	73,500	0	0	0	0	10	73,500	0			(12)	(5,065,000)	57	16,098,800	
4. Indexed								0	0								
5. Universal	0	0	0	0	0	0	0	0	0	0			(2)	(302,820)	12	2,698,000	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	75,170	12	75,729	0	0	0	0	12	75,729	0	0	0	(11)	(5,359,538)	97	18,866,424	
Group Life																	
12. Whole	0	0	0					0	0	0							
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Individual Annuities																	
20. Fixed	4,521,885	21	2,898,948					21	2,898,948	1,793,898	134	21,403,390	(51)	(7,857,544)	636	57,945,916	
21. Indexed	3,721,562	40	4,282,996					40	4,282,996	457,212	144	24,855,869	(235)	(22,814,712)	1,411	165,838,871	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	0	0	0					0	0		2	58,755	(4)	(203,414)	46	1,436,021	
25. Other	(f)							0	0		18	611,547	(16)	(549,380)	81	2,138,883	
26. Total Individual Annuities	8,243,446	61	7,181,944	0	0	0	0	61	7,181,944	2,251,110	298	46,929,561	(306)	(31,425,050)	2,174	227,359,691	
Group Annuities																	
27. Fixed	129,029	0	5,257					0	5,257	123,773			(9)	(712,553)	161	4,924,914	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(24)	(1,926,897)	495	29,564,430	
32. Other	(f)							0	0								
33. Total Group Annuities	129,029	0	5,257	0	0	0	0	0	5,257	123,773	0	0	(33)	(2,639,450)	656	34,489,344	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			2	5,879	3	8,483	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	2	5,879	3	8,483
47. TOTAL	8,447,646	73	7,262,930	0	0	0	0	73	7,262,930	2,374,883	298	46,929,561	(348)	(39,418,159)	2,930	280,723,942	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Illinois

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....55,899								55,000	0	0		55,000
3. Term .....434,745							0	700,000	3,173,700	0		3,873,700
4. Indexed							0					0
5. Universal .....128,490							0	25,000	0	23,077		48,077
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	619,134	0	0	0	0	0	0	780,000	3,173,700	23,077	0	3,976,777
Group Life												
12. Whole							0	4,400	0	0		4,400
13. Term .....0							0		0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	4,400	0	0	0	4,400
Individual Annuities												
20. Fixed .....138,032,905							0	15,484,091		42,885,452		58,369,543
21. Indexed .....141,230,597							0	19,944,458		133,227,868		153,172,326
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout .....214,348							0	976,495		0		976,495
25. Other .....(f)							0					0
26. Total Individual Annuities	279,477,850	0	0	0	0	0	0	36,405,044	0	176,113,320	0	212,518,364
Group Annuities												
27. Fixed .....47,024							0	262,471		391,360		653,831
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout .....0							0	2,056,415		189,289		2,245,704
32. Other .....(f)							0					0
33. Total Group Annuities	47,024	0	0	0	0	0	0	2,318,887	0	580,649	0	2,899,536
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	51,241						0	XXX	XXX	XXX	37,877	37,877
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....85,764							0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	137,005	0	0	0	0	0	0	XXX	XXX	XXX	37,877	37,877
47. Total	280,281,013 (c)	0	0	0	0	0	0	39,508,331	3,173,700	176,717,046	37,877	219,436,954

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Illinois	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	59,000	3	55,000	0	0	0	0	3	55,000	4,000	1	100,000	(5)	(69,864)	74	1,377,551	
3. Term	3,273,700	121	3,873,700	0	0	0	0	121	3,873,700	0			(134)	(71,686,000)	336	128,356,884	
4. Indexed								0	0								
5. Universal	125,000	1	25,000	0	0	0	0	1	25,000	290,817			(4)	(410,859)	166	22,007,742	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	3,457,700	125	3,953,700	0	0	0	0	125	3,953,700	294,817	1	100,000	(143)	(72,166,723)	576	151,742,177	
Group Life																	
12. Whole	4,400	1	4,400					1	4,400	0			2	10,734	5	13,906	
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	4,400	1	4,400	0	0	0	0	1	4,400	0	0	0	2	10,734	5	13,906	
Individual Annuities																	
20. Fixed	14,754,304	160	12,079,964					160	12,079,964	4,707,600	1,104	138,668,531	(662)	(50,886,740)	5,068	474,261,590	
21. Indexed	19,029,350	163	19,226,213					163	19,226,213	5,790,965	1,030	143,388,238	(1,225)	(128,864,428)	7,382	850,724,573	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	261,249	3	261,249					3	261,249		13	811,023	(16)	(651,888)	110	6,048,482	
25. Other	(f)							0	0		37	2,802,879	(36)	(3,089,497)	241	10,618,533	
26. Total Individual Annuities	34,044,903	326	31,567,426	0	0	0	0	326	31,567,426	10,498,565	2,184	285,670,671	(1,939)	(183,692,553)	12,801	1,341,653,178	
Group Annuities																	
27. Fixed	389,124	2	248,180					2	248,180	140,944			(9)	(60,896)	234	7,784,467	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(21)	(1,453,230)	513	26,967,750	
32. Other	(f)							0	0					(10,555)	5	62,942	
33. Total Group Annuities	389,124	2	248,180	0	0	0	0	2	248,180	140,944	0	0	(30)	(1,524,681)	752	34,815,159	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(1)	(3,625)	10	51,241	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(2)	1,536	44	88,687	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	(3)	(2,089)	54	139,928	
47. TOTAL	37,896,127	454	35,773,706	0	0	0	0	454	35,773,706	10,934,325	2,185	285,770,671	(2,113)	(257,375,312)	14,188	1,528,364,348	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 265,197 Group: \$ Total: \$ 265,197

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Indiana DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....26,226							0	23,499	0	4,023		27,522
3. Term .....85,944							0	250,000	129,900	0		379,900
4. Indexed							0					0
5. Universal .....42,084							0	0	0	7,550		7,550
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	154,254	0	0	0	0	0	0	273,499	129,900	11,573	0	414,972
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....58,346,649							0	10,590,165		22,342,926		32,933,091
21. Indexed .....138,013,722							0	24,147,946		189,410,898		213,558,845
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	323,222		0		323,222
25. Other .....(f)							0					0
26. Total Individual Annuities	196,360,371	0	0	0	0	0	0	35,061,333	0	211,753,825	0	246,815,158
Group Annuities												
27. Fixed .....18,883							0	71,961		419,777		491,738
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	1,852,513		214,074		2,066,587
32. Other .....(f)							0					0
33. Total Group Annuities	18,883	0	0	0	0	0	0	1,924,474	0	633,851	0	2,558,325
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	133,805						0	XXX	XXX	XXX	109,382	109,382
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	7,572						0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	141,377	0	0	0	0	0	0	XXX	XXX	XXX	109,382	109,382
47. Total	196,674,885 (c)	0	0	0	0	0	0	37,259,307	129,900	212,399,249	109,382	249,897,837

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ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Indiana	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	18,499	4	23,499	0	0	0	0	4	23,499	5,000				(3)	(23,882)	57	553,973
3. Term	129,900	19	379,900	0	0	0	0	19	379,900	0				(36)	(14,292,200)	109	28,394,000
4. Indexed								0	0								
5. Universal	0	0	0	0	0	0	0	0	0	0				(1)	(22,933)	51	6,651,199
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	148,399	23	403,399	0	0	0	0	23	403,399	5,000	0	0	(40)	(14,339,015)	217	35,599,172	
Group Life																	
12. Whole	0	0	0					0	0	0							
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0								(a)
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities																	
20. Fixed	8,478,710	111	8,002,531					111	8,002,531	1,740,538	404	52,976,318	(323)	(20,090,203)	2,223	195,146,677	
21. Indexed	24,534,592	203	23,725,779					203	23,725,779	6,577,287	1,048	139,175,225	(1,934)	(189,948,569)	8,658	936,325,261	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	20,106	1	20,106					1	20,106		11	844,077	(7)	(291,825)	69	3,002,530	
25. Other	(f)							0	0		26	1,570,639	(28)	(2,086,587)	177	7,965,326	
26. Total Individual Annuities	33,033,407	315	31,748,415	0	0	0	0	315	31,748,415	8,317,824	1,489	194,566,259	(2,292)	(212,417,184)	11,127	1,142,439,794	
Group Annuities																	
27. Fixed	67,540	3	70,359					3	70,359	0			(19)	(408,103)	174	6,033,537	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(14)	(1,375,821)	440	26,309,057	
32. Other	(f)							0	0					(1,584)	1	1,057	
33. Total Group Annuities	67,540	3	70,359	0	0	0	0	3	70,359	0	0	0	(33)	(1,785,508)	615	32,343,651	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(5)	(13,643)	31	133,805	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	0
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(2)	(5,879)	1	1,693	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	0
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	(7)	(19,522)	32	135,498	
47. TOTAL	33,249,346	341	32,222,173	0	0	0	0	341	32,222,173	8,322,824	1,489	194,566,259	(2,372)	(228,561,229)	11,991	1,210,518,115	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 249,374 Group: \$ Total: \$ 249,374

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Iowa		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Life												
Industrial							0					0
Whole	31,248						0	35,000	0	1,807		36,807
Term	86,496						0	300,000	14,100	0		314,100
Indexed							0					0
Universal	22,469						0	50,000	0	51,414		101,414
Universal with secondary guarantees							0					0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Individual Life	140,213	0	0	0	0	0	0	385,000	14,100	53,221	0	452,321
Life												
Whole							0	0	0	0		0
Term							0	0	0	0		0
Universal							0	0	0	0		0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Annuities												
Fixed	30,024,057						0	6,188,585		4,280,631		10,469,216
Indexed	34,514,948						0	9,329,142		50,308,242		59,637,384
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	1,250,000						0	304,724		0		304,724
Other	(f)						0					0
Total Individual Annuities	65,789,005	0	0	0	0	0	0	15,822,451	0	54,588,874	0	70,411,325
Annuities												
Fixed	0						0	6,253		753,246		759,498
Indexed							0					0
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	566,378		19,281		585,659
Other	(f)						0					0
Total Group Annuities	0	0	0	0	0	0	0	572,631	0	772,526	0	1,345,157
Accident and Health												
Comprehensive individual	(d)						0	XXX	XXX	XXX		0
Comprehensive group	(d)						0	XXX	XXX	XXX		0
Medicare Supplement	(d)	95,576					0	XXX	XXX	XXX	76,834	76,834
Vision only	(d)						0	XXX	XXX	XXX		0
Dental only	(d)						0	XXX	XXX	XXX		0
Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
Credit A&H							0	XXX	XXX	XXX		0
Disability income	(d)	0					0	XXX	XXX	XXX		0
Long-term care	(d)	8,113					0	XXX	XXX	XXX	0	0
Other health	(d)	0					0	XXX	XXX	XXX		0
Total Accident and Health		103,689	0	0	0	0	0	XXX	XXX	XXX	76,834	76,834
Total	66,032,907 (c)	0	0	0	0	0	0	16,780,082	14,100	55,414,621	76,834	72,285,637

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Iowa	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	35,000	4	35,000	0	0	0	0	4	35,000	0	1	15,000	(11)	(400,460)	89	1,994,746	
3. Term	314,100	3	314,100	0	0	0	0	3	314,100	0			(7)	(2,850,000)	34	11,227,000	
4. Indexed								0	0								
5. Universal	0	1	50,000	0	0	0	0	1	50,000	0			(5)	(750,698)	17	2,899,572	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	349,100	8	399,100	0	0	0	0	8	399,100	0	1	15,000	(23)	(4,001,158)	140	16,121,318	
Group Life																	
12. Whole	0	0	0					0	0	0					20	1	2,030
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0								(a)
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1	2,030
Individual Annuities																	
20. Fixed	2,057,371	39	2,138,070					39	2,138,070	621,745	232	29,611,899	(78)	(3,682,409)	1,241	92,694,613	
21. Indexed	7,689,640	103	8,919,424					103	8,919,424	1,634,249	293	35,842,024	(546)	(49,182,669)	2,959	296,100,255	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	0	0	0					0	0		6	1,473,746	(4)	(239,634)	67	3,679,122	
25. Other	(f)							0	0		47	2,671,694	(48)	(3,533,949)	259	12,123,701	
26. Total Individual Annuities	9,747,011	142	11,057,494	0	0	0	0	142	11,057,494	2,255,994	578	69,599,363	(676)	(56,638,661)	4,526	404,597,691	
Group Annuities																	
27. Fixed	14,886	2	6,253					2	6,253	8,706			(10)	(599,425)	104	2,973,806	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(10)	(497,180)	192	7,146,620	
32. Other	(f)							0	0								
33. Total Group Annuities	14,886	2	6,253	0	0	0	0	2	6,253	8,706	0	0	(20)	(1,096,605)	296	10,120,426	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(2)	1,574	18	95,576	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0	0
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	4,360	2	8,113	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0	0
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	(2)	5,934	20	103,689
47. TOTAL		10,110,997	152	11,462,847	0	0	0	152	11,462,847	2,264,700	579	69,614,363	(721)	(61,730,470)	4,983	430,945,154	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 0 Group: \$ _____ Total: \$ _____0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

2. Group Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

3. Individual Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

4. Group Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Kansas

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....14,370								40,795	0	0		40,795
3. Term .....45,446							0	225,000	103,900	0		328,900
4. Indexed							0					0
5. Universal .....38,354							0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	98,170	0	0	0	0	0	0	265,795	103,900	0	0	369,695
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....11,185,322							0	2,368,259		884,755		3,253,014
21. Indexed .....17,726,452							0	4,463,463		34,973,819		39,437,281
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	82,323		0		82,323
25. Other .....(f)							0					0
26. Total Individual Annuities	28,911,774	0	0	0	0	0	0	6,914,045	0	35,858,574	0	42,772,618
Group Annuities												
27. Fixed .....0							0	0		16,907		16,907
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	1,056,371		0		1,056,371
32. Other .....(f)							0					0
33. Total Group Annuities	0	0	0	0	0	0	0	1,056,371	0	16,907	0	1,073,278
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	73,422						0	XXX	XXX	XXX	31,422	31,422
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	64,358						0	XXX	XXX	XXX	49,323	49,323
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	137,780	0	0	0	0	0	0	XXX	XXX	XXX	80,745	80,745
47. Total	29,147,724 (c)	0	0	0	0	0	0	8,236,211	103,900	35,875,481	80,745	44,296,337

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Kansas		DURING THE YEAR 2023							NAIC Company Code 63312						
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Policy Exhibit						
		Claims Settled During Current Year									Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)		
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	
Individual Life																	
1. Industrial								0	0								
2. Whole	40,795	4	40,795	0	0	0	0	4	40,795	0			(4)	(40,707)	26	249,986	
3. Term	128,900	10	328,900	0	0	0	0	10	328,900	0			(21)	(8,811,000)	46	11,405,999	
4. Indexed								0	0								
5. Universal	0	0	0	0	0	0	0	0	0					(645)	42	5,670,100	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	169,695	14	369,695	0	0	0	0	14	369,695	0	0	0	(25)	(8,852,352)	114	17,326,085	
Group Life																	
12. Whole	0	0	0					0	0	0							
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Individual Annuities																	
20. Fixed	2,209,010	19	1,974,681					19	1,974,681	389,294	77	9,291,234	(36)	(184,715)	270	28,957,912	
21. Indexed	4,695,556	47	4,351,233					47	4,351,233	1,091,075	146	19,963,573	(324)	(37,937,601)	1,387	142,557,772	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	0	0	0					0	0		1	4,713	(2)	(154,269)	17	635,563	
25. Other	(f)							0	0		1	4,873	(6)	(423,660)	39	1,005,408	
26. Total Individual Annuities	6,904,566	66	6,325,914	0	0	0	0	66	6,325,914	1,480,369	225	29,264,393	(368)	(38,700,245)	1,713	173,156,655	
Group Annuities																	
27. Fixed	0	0	0					0	0	0			(2)	(27,516)	29	226,564	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(20)	(1,004,523)	609	13,675,492	
32. Other	(f)							0	0								
33. Total Group Annuities	0	0	0	0	0	0	0	0	0	0	0	0	(22)	(1,032,039)	638	13,902,056	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(6)	(14,963)	9	73,421	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(1)	(631)	36	68,703	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(7)	(15,594)	45	142,124	
47. TOTAL	7,074,261	80	6,695,609	0	0	0	0	80	6,695,609	1,480,369	225	29,264,393	(422)	(48,600,230)	2,510	204,526,920	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 0 Group: \$ _____ Total: \$ _____ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

2. Group Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

3. Individual Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

4. Group Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Kentucky

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....27,752								50,000	0	0		50,000
3. Term .....106,682							0	150,000	79,300	0		229,300
4. Indexed							0					0
5. Universal .....27,969							0	0	0	1,110		1,110
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	162,403	0	0	0	0	0	0	200,000	79,300	1,110	0	280,410
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....67,330,601							0	11,456,200		25,043,355		36,499,555
21. Indexed .....36,893,466							0	8,673,802		72,163,837		80,837,639
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	205,388		0		205,388
25. Other .....(f)							0					0
26. Total Individual Annuities	104,224,067	0	0	0	0	0	0	20,335,390	0	97,207,192	0	117,542,582
Group Annuities												
27. Fixed .....36,262							0	17,677		2,247,050		2,264,727
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	1,786,524		0		1,786,524
32. Other .....(f)							0					0
33. Total Group Annuities	36,262	0	0	0	0	0	0	1,804,201	0	2,247,050	0	4,051,251
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	163,900						0	XXX	XXX	XXX	122,041	122,041
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....842							0	XXX	XXX	XXX	8,076	8,076
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	164,742	0	0	0	0	0	0	XXX	XXX	XXX	130,117	130,117
47. Total	104,587,474 (c)	0	0	0	0	0	0	22,339,591	79,300	99,455,352	130,117	122,004,360

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Kentucky		DURING THE YEAR					2023	NAIC Company Code		63312				
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Policy Exhibit							
		Claims Settled During Current Year									Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)			
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28		
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount		
Individual Life																		
1. Industrial								0	0									
2. Whole	50,000	1	50,000	0	0	0	0	1	50,000	0	1	20,000	(1)	(54,430)	39	467,837		
3. Term	229,300	5	229,300	0	0	0	0	5	229,300	0			(28)	(10,982,000)	120	31,039,000		
4. Indexed								0	0									
5. Universal	0	0	0	0	0	0	0	0	0	0			(1)	(54,684)	20	3,574,976		
6. Universal with secondary guarantees								0	0									
7. Variable								0	0									
8. Variable universal								0	0									
9. Credit								0	0									
10. Other	(f)							0	0									
11. Total Individual Life	279,300	6	279,300	0	0	0	0	6	279,300	0	1	20,000	(30)	(11,091,114)	179	35,081,813		
Group Life																		
12. Whole	0	0	0					0	0	0			1	11,839	2	15,851		
13. Term								0	0									
14. Universal								0	0									
15. Variable								0	0									
16. Variable universal								0	0									
17. Credit								0	0									
18. Other	(f)							0	0							(a)		
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	1	11,839	2	15,851		
Individual Annuities																		
20. Fixed	11,211,843	105	10,311,515					105	10,311,515	2,886,281	501	67,300,332	(395)	(28,891,765)	2,755	254,827,831		
21. Indexed	8,202,532	98	8,386,134					98	8,386,134	1,083,396	251	36,376,119	(656)	(69,501,385)	3,001	340,626,792		
22. Variable with guarantees								0	0									
23. Variable without guarantees								0	0									
24. Life contingent payout	40,854	1	40,854					1	40,854		2	66,511	(5)	(580,270)	22	1,263,246		
25. Other	(f)							0	0		10	641,377	(9)	(877,812)	78	3,640,047		
26. Total Individual Annuities	19,455,229	204	18,738,503	0	0	0	0	204	18,738,503	3,969,677	764	104,384,339	(1,065)	(99,831,232)	5,856	600,357,916		
Group Annuities																		
27. Fixed	152,096	1	5,038					1	5,038	147,059			(11)	(1,977,650)	196	5,349,282		
28. Indexed								0	0									
29. Variable with guarantees								0	0									
30. Variable without guarantees								0	0									
31. Life contingent payout								0	0				(10)	(920,871)	390	22,994,952		
32. Other	(f)							0	0				(1)	(10,239)	2	20,828		
33. Total Group Annuities	152,096	1	5,038	0	0	0	0	1	5,038	147,059	0	0	(22)	(2,908,760)	588	28,365,062		
Accident and Health																		
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(6)	(26,823)	27	163,900		
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX								
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0		
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(1)	(462)	2	1,010		
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0		
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(7)	(27,285)	29	164,910		
47. TOTAL		19,886,625	211	19,022,840	0	0	0	211	19,022,840	4,116,736	765	104,404,339	(1,123)	(113,846,552)	6,654	663,985,552		

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Louisiana DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....19,626								10,000	0	0		10,000
3. Term .....120,369							0	0	53,300	0		53,300
4. Indexed							0					0
5. Universal .....66,288							0	0	0	14,111		14,111
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	206,283	0	0	0	0	0	0	10,000	53,300	14,111	0	77,411
Group Life												
12. Whole							0	98,957	0	0		98,957
13. Term .....0							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	98,957	0	0	0	98,957
Individual Annuities												
20. Fixed .....65,140,557							0	7,122,154		14,407,119		21,529,273
21. Indexed .....107,734,351							0	16,932,141		156,153,205		173,085,345
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	103,311		0		103,311
25. Other .....(f)							0					0
26. Total Individual Annuities	172,874,908	0	0	0	0	0	0	24,157,606	0	170,560,324	0	194,717,929
Group Annuities												
27. Fixed .....0							0	80,281		32,964		113,246
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	192,813		11,788		204,601
32. Other .....(f)							0					0
33. Total Group Annuities	0	0	0	0	0	0	0	273,095	0	44,752	0	317,847
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	0						0	XXX	XXX	XXX	0	0
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	4,510						0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	4,510	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	173,085,701 (c)	0	0	0	0	0	0	24,539,657	53,300	170,619,187	0	195,212,144

24.LA

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Louisiana	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	10,000	1	10,000	0	0	0	0	1	10,000	0						394,681	
3. Term	3,300	4	53,300	0	0	0	0	4	53,300	0			(25)	(9,045,000)	125	24,290,499	
4. Indexed								0	0								
5. Universal	0	0	0	0	0	0	0	0	0			10,000	(3)	(166,252)	92	8,429,261	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	13,300	5	63,300	0	0	0	0	5	63,300	0	0	10,000	(28)	(9,220,964)	245	33,114,441	
Group Life																	
12. Whole	101,316	16	98,957					16	98,957	8,394			(21)	(111,312)	342	1,677,596	
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	101,316	16	98,957	0	0	0	0	16	98,957	8,394	0	0	(21)	(111,312)	342	1,677,596	
Individual Annuities																	
20. Fixed	6,018,565	76	6,572,990					76	6,572,990	855,141	403	64,463,992	(272)	(14,528,702)	1,893	218,076,314	
21. Indexed	16,050,288	137	16,731,235					137	16,731,235	3,401,278	659	101,741,739	(1,211)	(142,390,530)	5,806	792,190,580	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	0	0	0					0	0		4	334,678	(2)	(196,493)	28	1,545,869	
25. Other	(f)							0	0		16	1,747,826	(10)	(1,526,051)	52	1,900,073	
26. Total Individual Annuities	22,068,853	213	23,304,225	0	0	0	0	213	23,304,225	4,256,418	1,082	168,288,235	(1,495)	(158,641,776)	7,779	1,013,712,836	
Group Annuities																	
27. Fixed	80,281	5	80,281					5	80,281	0			(5)	(35,920)	78	980,816	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(1)	(114,841)	62	3,528,933	
32. Other	(f)							0	0								
33. Total Group Annuities	80,281	5	80,281	0	0	0	0	5	80,281	0	0	0	(6)	(150,761)	140	4,509,749	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	113	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	7,732	0	7,732	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	7,845	0	7,732	
47. TOTAL		22,263,750	239	23,546,764	0	0	0	239	23,546,764	4,264,812	1,082	168,298,235	(1,550)	(168,116,968)	8,506	1,053,022,354	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 571,350 Group: \$ Total: \$ 571,350

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

- | | | | |
|--|--------------|--------------|---------------|
| 1. Individual Life - Other includes the following amounts related to Separate Account policies: | Column 1) \$ | Column 7) \$ | Column 12) \$ |
| 2. Group Life - Other includes the following amounts related to Separate Account policies: | Column 1) \$ | Column 7) \$ | Column 12) \$ |
| 3. Individual Annuities - Other includes the following amounts related to Separate Account policies: | Column 1) \$ | Column 7) \$ | Column 12) \$ |
| 4. Group Annuities - Other includes the following amounts related to Separate Account policies: | Column 1) \$ | Column 7) \$ | Column 12) \$ |



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Maine DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	Claims and Benefits Paid			
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other			9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	5,115						0	0	0	1,437		1,437
3. Term	59,371						0	0	24,100	0		24,100
4. Indexed							0					0
5. Universal	3,460						0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	67,946	0	0	0	0	0	0	0	24,100	1,437	0	25,537
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	8,115,453						0	1,589,610		1,173,031		2,762,641
21. Indexed	24,162,821						0	2,058,161		24,677,178		26,735,339
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	252,173		0		252,173
25. Other	(f)						0					0
26. Total Individual Annuities	32,278,274	0	0	0	0	0	0	3,899,944	0	25,850,209	0	29,750,153
Group Annuities												
27. Fixed	235,399						0	33,940		1,247,302		1,281,242
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	1,007,443		0		1,007,443
32. Other	(f)						0					0
33. Total Group Annuities	235,399	0	0	0	0	0	0	1,041,382	0	1,247,302	0	2,288,685
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	3,446					0	XXX	XXX	XXX	581	581
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	3,875					0	XXX	XXX	XXX	26,086	26,086
45. Other health	(d)	0					0	XXX	XXX	XXX		0
46. Total Accident and Health	7,321	0	0	0	0	0	0	XXX	XXX	XXX	26,667	26,667
47. Total	32,588,940 (c)	0	0	0	0	0	0	4,941,326	24,100	27,098,948	26,667	32,091,042

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Maine		DURING THE YEAR 2023							NAIC Company Code 63312						
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Policy Exhibit						
		Claims Settled During Current Year									Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)		
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	
Individual Life																	
1. Industrial								0	0								
2. Whole	5,000	0	0	0	0	0	0	0	0	5,000			(6)	(231,610)	40	565,962	
3. Term	24,100	4	24,100	0	0	0	0	0	24,100	0			(8)	(1,550,000)	79	18,718,000	
4. Indexed								0	0	0							
5. Universal	0	0	0	0	0	0	0	0	0	0			(1)	(34,619)	7	839,403	
6. Universal with secondary guarantees								0	0	0							
7. Variable								0	0	0							
8. Variable universal								0	0	0							
9. Credit								0	0	0							
10. Other	(f)							0	0	0							
11. Total Individual Life	29,100	4	24,100	0	0	0	0	4	24,100	5,000	0	0	(15)	(1,816,229)	126	20,123,365	
Group Life																	
12. Whole	0	0	0					0	0	0			(1)	(10,695)	5	34,058	
13. Term								0	0	0							
14. Universal								0	0	0							
15. Variable								0	0	0							
16. Variable universal								0	0	0							
17. Credit								0	0	0							
18. Other	(f)							0	0	0						(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	(1)	(10,695)	5	34,058	
Individual Annuities																	
20. Fixed	824,065	13	698,662					13	698,662	249,817	62	6,851,455	(30)	(229,210)	556	40,165,415	
21. Indexed	2,165,500	23	1,915,657					23	1,915,657	865,046	153	23,017,664	(206)	(18,495,237)	1,429	168,349,055	
22. Variable with guarantees								0	0	0							
23. Variable without guarantees								0	0	0							
24. Life contingent payout	0	0	0					0	0	0	1	67,276		(53,989)	65	1,752,377	
25. Other	(f)							0	0	0	6	413,182	(17)	(854,017)	63	1,761,952	
26. Total Individual Annuities	2,989,566	36	2,614,319	0	0	0	0	36	2,614,319	1,114,863	222	30,349,577	(253)	(19,632,447)	2,113	212,028,799	
Group Annuities																	
27. Fixed	33,451	3	33,451					3	33,451	0			(12)	(350,248)	344	12,397,638	
28. Indexed								0	0	0							
29. Variable with guarantees								0	0	0							
30. Variable without guarantees								0	0	0							
31. Life contingent payout								0	0	0			(5)	(595,076)	235	11,689,778	
32. Other	(f)							0	0	0			(1)	(487)			
33. Total Group Annuities	33,451	3	33,451	0	0	0	0	3	33,451	0	0	0	(18)	(945,811)	579	24,087,416	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	84	1	3,445	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			1	(848)	4	5,050	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	1	(764)	5	8,495	
47. TOTAL	3,052,117	43	2,671,871	0	0	0	0	43	2,671,871	1,119,863	222	30,349,577	(286)	(22,405,946)	2,828	256,282,133	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Maryland DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....19,064								6,000	0	0		6,000
3. Term .....277,007							0	479,000	1,004,070	0		1,483,070
4. Indexed							0					0
5. Universal .....174,689							0	75,000	0	79,527		154,527
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	470,760	0	0	0	0	0	0	560,000	1,004,070	79,527	0	1,643,597
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....107,983,813							0	8,144,998		23,077,215		31,222,213
21. Indexed .....66,619,608							0	11,719,406		69,846,441		81,565,846
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	200,088		0		200,088
25. Other .....(f)							0					0
26. Total Individual Annuities	174,603,421	0	0	0	0	0	0	20,064,492	0	92,923,656	0	112,988,148
Group Annuities												
27. Fixed .....0							0	0		92,607		92,607
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	618,684		0		618,684
32. Other .....(f)							0					0
33. Total Group Annuities	0	0	0	0	0	0	0	618,684	0	92,607	0	711,291
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	0						0	XXX	XXX	XXX	0	0
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	10,133						0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	10,133	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	175,084,314 (c)	0	0	0	0	0	0	21,243,177	1,004,070	93,095,790	0	115,343,036

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Maryland	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole		3	56,000	0	0	0	0	3	56,000	6,000	1	25,000	(2)	(59,685)	59	1,295,546	
3. Term		71	1,545,570	0	0	0	0	71	1,483,070	163,500			(91)	(40,695,979)	290	84,306,668	
4. Indexed								0	0	0							
5. Universal		1	25,000	0	0	0	0	1	25,000	300,000			(6)	(820,463)	234	29,060,447	
6. Universal with secondary guarantees								0	0	0							
7. Variable								0	0	0							
8. Variable universal								0	0	0							
9. Credit								0	0	0							
10. Other	(f)							0	0	0							
11. Total Individual Life	1,681,570	75	1,564,070	0	0	0	0	75	1,564,070	469,500	1	25,000	(99)	(41,576,127)	583	114,662,661	
Group Life																	
12. Whole	0	0	0					0	0	0					28	1	2,870
13. Term								0	0	0							
14. Universal								0	0	0							
15. Variable								0	0	0							
16. Variable universal								0	0	0							
17. Credit								0	0	0							
18. Other	(f)							0	0	0							(a)
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	1	2,870
Individual Annuities																	
20. Fixed	6,873,832	71	6,404,071					71	6,404,071	1,365,435	685	114,771,654	(355)	(29,874,947)	2,508	281,682,976	
21. Indexed	10,371,596	73	11,486,194					73	11,486,194	1,696,169	440	67,787,828	(627)	(62,886,141)	3,621	455,128,750	
22. Variable with guarantees								0	0	0							
23. Variable without guarantees								0	0	0							
24. Life contingent payout	83,740	2	83,740					2	83,740		1	6,914	(5)	(147,814)	25	613,316	
25. Other	(f)							0	0	0	17	1,168,419	(30)	(1,822,292)	101	4,668,923	
26. Total Individual Annuities	17,329,169	146	17,974,005	0	0	0	0	146	17,974,005	3,061,604	1,143	183,734,815	(1,017)	(94,731,194)	6,255	742,093,965	
Group Annuities																	
27. Fixed	0	0	0					0	0	0			(2)	23,302	72	2,045,911	
28. Indexed								0	0	0							
29. Variable with guarantees								0	0	0							
30. Variable without guarantees								0	0	0							
31. Life contingent payout								0	0	0			(8)	(851,269)	169	6,904,080	
32. Other	(f)							0	0	0							
33. Total Group Annuities	0	0	0	0	0	0	0	0	0	0	0	0	(10)	(827,967)	241	8,949,991	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	1	10,133	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	0	1	10,133	
47. TOTAL		19,010,739	221	19,538,075	0	0	0	221	19,538,075	3,531,104	1,144	183,759,815	(1,126)	(137,135,260)	7,081	865,719,620	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 139,759 Group: \$ Total: \$ 139,759

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:	Column 1) \$	Column 7) \$	Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:	Column 1) \$	Column 7) \$	Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:	Column 1) \$	Column 7) \$	Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:	Column 1) \$	Column 7) \$	Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Massachusetts DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....17,580								15,000	0	0		15,000
3. Term .....228,004							0	112,000	9,500	0		121,500
4. Indexed							0					0
5. Universal .....158,791							0	150,000	0	42,262		192,262
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	404,375	0	0	0	0	0	0	277,000	9,500	42,262	0	328,762
Group Life												
12. Whole							0	50,612	3,820	1,084		55,516
13. Term .....0							0		0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	50,612	3,820	1,084	0	55,516
Individual Annuities												
20. Fixed .....101,092,127							0	12,835,414		16,976,399		29,811,813
21. Indexed .....111,846,087							0	19,093,126		87,679,802		106,772,928
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout .....737,256							0	1,592,414		0		1,592,414
25. Other .....(f)							0					0
26. Total Individual Annuities	213,675,470	0	0	0	0	0	0	33,520,955	0	104,656,201	0	138,177,155
Group Annuities												
27. Fixed .....1,162,328							0	581,093		8,815,167		9,396,260
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout .....0							0	4,134,549		0		4,134,549
32. Other .....(f)							0					0
33. Total Group Annuities	1,162,328	0	0	0	0	0	0	4,715,642	0	8,815,167	0	13,530,809
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	0						0	XXX	XXX	XXX	0	0
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	0						0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	215,242,173 (c)	0	0	0	0	0	0	38,564,209	13,320	113,514,714	0	152,092,242

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Massachusetts		DURING THE YEAR 2023							NAIC Company Code 63312						
Line of Business		Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit					
		13 Incurred During Current Year	Claims Settled During Current Year							22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)		
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount							
Individual Life																	
1. Industrial									0	0							
2. Whole		25,000	2	15,000	0	0	0	0	2	15,000			(1)	(160,188)	72	1,505,215	
3. Term		121,500	3	121,500	0	0	0	0	3	121,500			(37)	(12,463,000)	172	45,205,350	
4. Indexed									0	0							
5. Universal		150,000	1	150,000	0	0	0	0	1	150,000			(7)	(1,150,329)	142	27,668,702	
6. Universal with secondary guarantees									0	0							
7. Variable									0	0							
8. Variable universal									0	0							
9. Credit									0	0							
10. Other	(f)								0	0							
11. Total Individual Life		296,500	6	286,500	0	0	0	0	6	286,500		0		(45)	(13,773,517)	386	74,379,267
Group Life																	
12. Whole		54,497	6	54,432					6	54,432			(8)	(57,767)	53	330,402	
13. Term									0	0							
14. Universal									0	0							
15. Variable									0	0							
16. Variable universal									0	0							
17. Credit									0	0							
18. Other	(f)								0	0						(a)	
19. Total Group Life		54,497	6	54,432	0	0	0	0	6	54,432		0		(8)	(57,767)	53	330,402
Individual Annuities																	
20. Fixed		6,170,008	88	6,089,854					88	6,089,854		591		(268)	(11,791,202)	4,305	420,075,025
21. Indexed		17,588,711	107	18,222,655					107	18,222,655		697		(807)	(86,695,388)	4,436	585,840,415
22. Variable with guarantees									0	0							
23. Variable without guarantees									0	0							
24. Life contingent payout		95,899	8	95,899					8	95,899		15		(28)	(1,307,889)	298	11,478,256
25. Other	(f)								0	0		65		(77)	(5,076,190)	476	22,037,194
26. Total Individual Annuities		23,854,618	203	24,408,408	0	0	0	0	203	24,408,408		1,368		(1,180)	(104,870,669)	9,455	1,039,430,890
Group Annuities																	
27. Fixed		453,824	14	579,031					14	579,031				(104)	(4,372,281)	2,145	112,905,289
28. Indexed									0	0							
29. Variable with guarantees									0	0							
30. Variable without guarantees									0	0							
31. Life contingent payout									0	0				(25)	(6,820,976)	883	56,921,808
32. Other	(f)								0	0				(1)	1,365	1	47,886
33. Total Group Annuities		453,824	14	579,031	0	0	0	0	14	579,031		0		(130)	(11,191,892)	3,029	169,874,983
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0		0	0	0	
47. TOTAL		24,659,438	229	25,328,371	0	0	0	0	229	25,328,371		4,111,174		(1,363)	(129,893,845)	12,923	1,284,015,542

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 1,590,655 Group: \$ Total: \$ 1,590,655

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Michigan

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....11,610								36,767	0	0		36,767
3. Term .....169,940							0	1,000,000	127,100	0		1,127,100
4. Indexed							0					0
5. Universal .....88,971							0	0	0	20,051		20,051
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	270,521	0	0	0	0	0	0	1,036,767	127,100	20,051	0	1,183,918
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	433	0	0		433
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	433	0	0	0	433
Individual Annuities												
20. Fixed .....131,101,048							0	26,978,038		39,875,889		66,853,927
21. Indexed .....192,509,506							0	28,812,540		216,740,415		245,552,955
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout .....37,264							0	1,205,749		12,033		1,217,782
25. Other .....(f)							0					0
26. Total Individual Annuities	323,647,818	0	0	0	0	0	0	56,996,327	0	256,628,336	0	313,624,664
Group Annuities												
27. Fixed .....30,338							0	369,184		2,011,160		2,380,344
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout .....58,360							0	2,094,350		29,692		2,124,042
32. Other .....(f)							0					0
33. Total Group Annuities	88,698	0	0	0	0	0	0	2,463,534	0	2,040,852	0	4,504,386
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)3,179							0	XXX	XXX	XXX	3,669	3,669
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)(e)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)0							0	XXX	XXX	XXX		0
44. Long-term care .....(d)0							0	XXX	XXX	XXX	0	0
45. Other health .....(d)0							0	XXX	XXX	XXX		0
46. Total Accident and Health	3,179	0	0	0	0	0	0	XXX	XXX	XXX	3,669	3,669
47. Total	324,010,216 (c)	0	0	0	0	0	0	60,497,062	127,100	258,689,239	3,669	319,317,070

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Michigan		DURING THE YEAR 2023							NAIC Company Code 63312												
Line of Business		Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit											
		13 Incurred During Current Year	Claims Settled During Current Year								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)							
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount						
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount													
Individual Life																							
1. Industrial									0	0													
2. Whole		33,059	6	36,767	0	0	0	0	6	36,767	2,000			(5)	(34,074)	93	1,028,957						
3. Term		1,127,100	9	1,127,100	0	0	0	0	9	1,127,100	0			(29)	(15,216,000)	130	39,578,921						
4. Indexed									0	0													
5. Universal		0	0	0	0	0	0	0	0	0				(3)	(467,429)	53	9,750,784						
6. Universal with secondary guarantees									0	0													
7. Variable									0	0													
8. Variable universal									0	0													
9. Credit									0	0													
10. Other	(f)								0	0													
11. Total Individual Life		1,160,159	15	1,163,867	0	0	0	0	15	1,163,867	2,000	0	0	(37)	(15,717,503)	276	50,358,662						
Group Life																							
12. Whole		0	0	0					0	0	0			1	10,119	3	12,815						
13. Term									0	0													
14. Universal									0	0													
15. Variable									0	0													
16. Variable universal									0	0													
17. Credit									0	0													
18. Other	(f)								0	0							(a)						
19. Total Group Life		0	0	0	0	0	0	0	0	0	0	0	0	1	10,119	3	12,815						
Individual Annuities																							
20. Fixed		19,316,177	238	18,760,569					238	18,760,569	4,775,669	985	128,267,858	(810)	(49,754,436)	6,734	571,198,119						
21. Indexed		29,743,645	265	28,095,174					265	28,095,174	7,162,631	1,450	189,268,728	(2,259)	(224,806,877)	12,024	1,272,300,984						
22. Variable with guarantees									0	0													
23. Variable without guarantees									0	0													
24. Life contingent payout		345,806	8	345,806					8	345,806		15	1,044,021	(17)	(1,328,008)	140	6,309,579						
25. Other	(f)								0	0		144	16,481,136	(111)	(6,395,633)	564	31,140,477						
26. Total Individual Annuities		49,405,627	511	47,201,549	0	0	0	0	511	47,201,549	11,938,299	2,594	335,061,743	(3,197)	(282,284,954)	19,462	1,880,949,159						
Group Annuities																							
27. Fixed		317,525	7	365,376					7	365,376	73,625			(42)	(1,783,171)	471	14,808,625						
28. Indexed									0	0													
29. Variable with guarantees									0	0													
30. Variable without guarantees									0	0													
31. Life contingent payout									0	0				(6)	(1,033,079)	470	30,121,741						
32. Other	(f)								0	0					(3,441)	1	8,820						
33. Total Group Annuities		317,525	7	365,376	0	0	0	0	7	365,376	73,625	0	0	(48)	(2,819,691)	942	44,939,186						
Accident and Health																							
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	78	1	3,179						
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0						
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0						
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0						
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	78	1	3,179						
47. TOTAL		50,883,311	533	48,730,791	0	0	0	0	533	48,730,791	12,013,924	2,594	335,061,743	(3,281)	(300,811,951)	20,684	1,976,263,001						

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 30,613 Group: \$ _____ Total: \$ _____ 30,613

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

2. Group Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

3. Individual Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

4. Group Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Minnesota

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....35,999							0	142,158	0	3,517		145,675
3. Term .....138,228							0	750,000	36,500	0		786,500
4. Indexed							0					0
5. Universal .....224,854							0	100,000	0	10,164		110,164
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	399,081	0	0	0	0	0	0	992,158	36,500	13,681	0	1,042,339
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....43,516,619							0	6,834,696		7,113,047		13,947,743
21. Indexed .....86,711,218							0	12,489,075		122,860,303		135,349,378
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	114,695						0	734,841		2,471		737,312
25. Other .....(f)							0					0
26. Total Individual Annuities	130,342,532	0	0	0	0	0	0	20,058,612	0	129,975,821	0	150,034,433
Group Annuities												
27. Fixed .....7,100							0	29,758		433,857		463,616
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	1,248,462		0		1,248,462
32. Other .....(f)							0					0
33. Total Group Annuities	7,100	0	0	0	0	0	0	1,278,220	0	433,857	0	1,712,078
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	0						0	XXX	XXX	XXX	0	0
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	5,130						0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	5,130	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	130,753,843 (c)	0	0	0	0	0	0	22,328,991	36,500	130,423,360	0	152,788,850

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Minnesota		DURING THE YEAR 2023							NAIC Company Code 63312												
Line of Business		Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit											
		13 Incurred During Current Year	Claims Settled During Current Year								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)							
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount						
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount													
Individual Life																							
1. Industrial									0	0													
2. Whole		329,017	11	292,158	0	0	0	0	11	292,158	36,859			(14)	(148,017)	126	890,941						
3. Term		636,500	6	636,500	0	0	0	0	6	636,500	0		10,000	(30)	(10,134,000)	129	35,343,400						
4. Indexed									0	0													
5. Universal		100,000	1	100,000	0	0	0	0	1	100,000	0			(5)	(721,013)	59	8,305,146						
6. Universal with secondary guarantees									0	0													
7. Variable									0	0													
8. Variable universal									0	0													
9. Credit									0	0													
10. Other	(f)								0	0													
11. Total Individual Life		1,065,517	18	1,028,658	0	0	0	0	18	1,028,658	36,859	0	10,000	(49)	(11,003,030)	314	44,539,487						
Group Life																							
12. Whole	0	0	0	0					0	0	0												
13. Term									0	0													
14. Universal									0	0													
15. Variable									0	0													
16. Variable universal									0	0													
17. Credit									0	0													
18. Other	(f)								0	0							(a)						
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Individual Annuities																							
20. Fixed		4,255,062	47	3,525,184					47	3,525,184	1,200,429	351	47,759,167	(175)	(13,174,815)	1,679	148,360,454						
21. Indexed		15,090,369	127	11,830,045					127	11,830,045	6,053,071	659	90,848,018	(1,304)	(123,956,756)	5,769	634,814,143						
22. Variable with guarantees									0	0													
23. Variable without guarantees									0	0													
24. Life contingent payout		346,450	6	346,450					6	346,450		3	165,845	(16)	(871,349)	56	1,873,851						
25. Other	(f)								0	0		30	2,713,314	(47)	(3,088,473)	233	8,905,816						
26. Total Individual Annuities		19,691,881	180	15,701,680	0	0	0	0	180	15,701,680	7,253,501	1,043	141,486,344	(1,542)	(141,091,393)	7,737	793,954,264						
Group Annuities																							
27. Fixed		17,312	3	20,410					3	20,410	0			(15)	(223,096)	229	5,284,248						
28. Indexed									0	0													
29. Variable with guarantees									0	0													
30. Variable without guarantees									0	0													
31. Life contingent payout									0	0				(7)	(839,012)	253	16,103,820						
32. Other	(f)								0	0					(8,494)	3	38,572						
33. Total Group Annuities		17,312	3	20,410	0	0	0	0	3	20,410	0	0	0	(22)	(1,070,602)	485	21,426,640						
Accident and Health																							
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0						
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0						
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	184	2	5,252						
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0						
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	184	2	5,252						
47. TOTAL		20,774,710	201	16,750,748	0	0	0	0	201	16,750,748	7,290,360	1,043	141,496,344	(1,613)	(153,164,841)	8,538	859,925,643						

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 122,996 Group: \$ _____ Total: \$ _____ 122,996

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Mississippi DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	3,833						0	0	0	0		0
3. Term	77,488						0	500,000	10,000	0		510,000
4. Indexed							0					0
5. Universal	43,247						0	0	0	1,505		1,505
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	124,568	0	0	0	0	0	0	500,000	10,000	1,505	0	511,505
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	30,614,307						0	5,199,277		14,017,318		19,216,595
21. Indexed	21,366,405						0	2,907,144		19,952,447		22,859,591
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	70,305		0		70,305
25. Other	(f)						0					0
26. Total Individual Annuities	51,980,712	0	0	0	0	0	0	8,176,726	0	33,969,765	0	42,146,491
Group Annuities												
27. Fixed	2,460						0	10,713		15,916		26,630
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	639,372		0		639,372
32. Other	(f)						0					0
33. Total Group Annuities	2,460	0	0	0	0	0	0	650,085	0	15,916	0	666,001
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	433	433
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	2,932					0	XXX	XXX	XXX	0	0
45. Other health	(d)	0					0	XXX	XXX	XXX		0
46. Total Accident and Health	2,932	0	0	0	0	0	0	XXX	XXX	XXX	433	433
47. Total	52,110,672 (c)	0	0	0	0	0	0	9,326,811	10,000	33,987,186	433	43,324,431

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Mississippi	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	0	0	0	0	0	0	0	0	0	0					14	66,105	
3. Term	510,000	3	510,000	0	0	0	0	0	0	0			(17)	(6,945,000)	76	24,661,600	
4. Indexed								0	0								
5. Universal	0	0	0	0	0	0	0	0	0	0			(3)	(133,191)	53	5,563,867	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	510,000	3	510,000	0	0	0	0	3	510,000	0	0	0	(20)	(7,078,191)	143	30,291,572	
Group Life																	
12. Whole	0	0	0					0	0	0			1	13,463	5	36,922	
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	1	13,463	5	36,922	
Individual Annuities																	
20. Fixed	4,210,534	70	4,706,214					70	4,706,214	1,458,602	247	30,508,335	(306)	(15,564,918)	1,766	133,338,737	
21. Indexed	2,980,348	28	2,761,711					28	2,761,711	523,779	117	20,533,727	(168)	(13,860,164)	1,530	205,108,621	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	0	0	0					0	0		9	357,899		(41,793)	24	902,085	
25. Other	(f)							0	0		11	1,177,819	(6)	(271,218)	33	1,979,632	
26. Total Individual Annuities	7,190,882	98	7,467,924	0	0	0	0	98	7,467,924	1,982,381	384	52,577,780	(480)	(29,738,093)	3,353	341,329,075	
Group Annuities																	
27. Fixed	10,713	1	10,713					1	10,713	0			(1)	57,782	71	1,053,025	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(10)	(567,205)	182	8,144,922	
32. Other	(f)							0	0								
33. Total Group Annuities	10,713	1	10,713	0	0	0	0	1	10,713	0	0	0	(11)	(509,423)	253	9,197,947	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	(4,244)	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	1	2,932	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	(4,244)	1	2,932	
47. TOTAL	7,711,595	102	7,988,638	0	0	0	0	102	7,988,638	1,982,381	384	52,577,780	(510)	(37,316,488)	3,755	380,858,448	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 794,531 Group: \$ Total: \$ 794,531

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Missouri DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	48,823							10,000	0	0		10,000
3. Term	187,495						0	376,000	71,300	0		447,300
4. Indexed							0					0
5. Universal	49,894						0	0	0	15,024		15,024
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	286,212	0	0	0	0	0	0	386,000	71,300	15,024	0	472,324
Group Life												
12. Whole							0	863	0	0		863
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	863	0	0	0	863
Individual Annuities												
20. Fixed	272,949,735						0	10,729,990		36,303,500		47,033,490
21. Indexed	204,449,091						0	23,098,114		270,714,784		293,812,897
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	570,516		0		570,516
25. Other	(f)						0					0
26. Total Individual Annuities	477,398,826	0	0	0	0	0	0	34,398,619	0	307,018,284	0	341,416,904
Group Annuities												
27. Fixed	1,800						0	4,952		288,730		293,682
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	991,461		0		991,461
32. Other	(f)						0					0
33. Total Group Annuities	1,800	0	0	0	0	0	0	996,413	0	288,730	0	1,285,143
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	63,085					0	XXX	XXX	XXX	31,872	31,872
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	103,052					0	XXX	XXX	XXX	65,195	65,195
45. Other health	(d)	41					0	XXX	XXX	XXX		0
46. Total Accident and Health	166,178	0	0	0	0	0	0	XXX	XXX	XXX	97,067	97,067
47. Total	477,853,016 (c)	0	0	0	0	0	0	35,781,895	71,300	307,322,038	97,067	343,272,301

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Missouri	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	0	1	10,000	0	0	0	0	1	10,000	0	2	125,000	(3)	(200,150)	48	748,226	
3. Term	447,300	14	447,300	0	0	0	0	14	447,300	0			(43)	(18,665,000)	159	38,442,000	
4. Indexed								0	0								
5. Universal	0	0	0	0	0	0	0	0	0	0			(3)	(170,799)	59	7,801,495	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	447,300	15	457,300	0	0	0	0	15	457,300	0	2	125,000	(49)	(19,035,949)	266	46,991,721	
Group Life																	
12. Whole	863	1	863					1	863	0			1	2,420	24	97,125	
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	863	1	863	0	0	0	0	1	863	0	0	0	1	2,420	24	97,125	
Individual Annuities																	
20. Fixed	8,639,490	100	9,076,096					100	9,076,096	1,329,559	362	47,411,812	1,242	195,403,597	5,317	669,832,441	
21. Indexed	21,916,069	213	22,272,037					213	22,272,037	5,315,510	497	65,246,909	(1,784)	(135,453,964)	11,244	1,369,021,404	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	308,739	7	308,739					7	308,739		6	166,278	(9)	(444,395)	52	2,095,200	
25. Other	(f)							0	0		17	1,515,494	(28)	(1,462,303)	98	4,885,084	
26. Total Individual Annuities	30,864,297	320	31,656,872	0	0	0	0	320	31,656,872	6,645,070	882	114,340,493	(579)	58,042,935	16,711	2,045,834,129	
Group Annuities																	
27. Fixed	1,242,963	0	0					0	0	1,242,963			(4)	(1,361,468)	103	2,184,259	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(12)	(834,634)	297	11,638,900	
32. Other	(f)							0	0					(4,806)	2	5,096	
33. Total Group Annuities	1,242,963	0	0	0	0	0	0	0	0	1,242,963	0	0	(16)	(2,200,908)	402	13,828,255	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	(938)	16	63,085	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(1)	9,293	73	123,454	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	1	41	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	(1)	8,355	90	186,580	
47. TOTAL		32,555,423	336	32,115,035	0	0	0	336	32,115,035	7,888,033	884	114,465,493	(644)	36,816,853	17,493	2,106,937,810	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 333,889 Group: \$ Total: \$ 333,889

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Montana

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	1,453						0	0	0	0		0
3. Term	7,407						0	0	0	0		0
4. Indexed							0					0
5. Universal	445						0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	9,305	0	0	0	0	0	0	0	0	0	0	0
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	3,010,197						0	1,301,993		108,142		1,410,135
21. Indexed	4,053,470						0	706,692		6,027,035		6,733,728
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	64,981		0		64,981
25. Other	(f)						0					0
26. Total Individual Annuities	7,063,667	0	0	0	0	0	0	2,073,667	0	6,135,178	0	8,208,845
Group Annuities												
27. Fixed	0						0	0		261,070		261,070
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	108,933		0		108,933
32. Other	(f)						0					0
33. Total Group Annuities	0	0	0	0	0	0	0	108,933	0	261,070	0	370,004
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	6,987					0	XXX	XXX	XXX	0	0
45. Other health	(d)	0					0	XXX	XXX	XXX		0
46. Total Accident and Health	6,987	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	7,079,959 (c)	0	0	0	0	0	0	2,182,600	0	6,396,248	0	8,578,848

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Montana	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit					
		Claims Settled During Current Year								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)		
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	
Individual Life																	
1. Industrial								0	0								
2. Whole	0	0	0	0	0	0	0	0	0	0			1	564	10	69,906	
3. Term	0	0	0	0	0	0	0	0	0	0				417,000	10	2,999,000	
4. Indexed								0	0								
5. Universal	0	0	0	0	0	0	0	0	0	0				266	1	107,971	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	0	0	0	0	0	0	0	0	0	0	0	0	1	417,830	21	3,176,877	
Group Life																	
12. Whole	0	0	0					0	0	0					19	1,932	
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	19	1	1,932	
Individual Annuities																	
20. Fixed	.933, 139	.6	910,588					6	910,588	131,419	19	3,098,802	(12)	(419,453)	145	8,787,300	
21. Indexed	.87, 024	15	677,095					15	677,095	164,122	35	3,357,876	(61)	(4,675,484)	336	36,774,046	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	0	0	0					0	0				(1)	(82,632)	14	318,466	
25. Other	(f)							0	0		.6	530,260	(7)	(273,664)	28	1,818,719	
26. Total Individual Annuities	1,020,164	21	1,587,683	0	0	0	0	21	1,587,683	295,541	60	6,986,938	(81)	(5,451,233)	523	47,698,531	
Group Annuities																	
27. Fixed	0	0	0					0	0	0			(1)	(183,276)	41	1,368,186	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0					(40,568)	25	1,407,618	
32. Other	(f)							0	0								
33. Total Group Annuities	0	0	0	0	0	0	0	0	0	0	0	0	(1)	(223,844)	66	2,775,804	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	1	6,987	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	1	6,987	
47. TOTAL		1,020,164	21	1,587,683	0	0	0	21	1,587,683	295,541	60	6,986,938	(81)	(5,257,228)	612	53,660,131	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 260,648 Group: \$ Total: \$ 260,648

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Nebraska DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole 5,685							0	15,000	0	0		15,000
3. Term 149,189							0	0	31,000	0		31,000
4. Indexed							0					0
5. Universal 13,460							0	25,000	0	0		25,000
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other (f)							0					0
11. Total Individual Life	168,334	0	0	0	0	0	0	40,000	31,000	0	0	71,000
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other (f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed 16,386,963							0	1,146,789		1,748,655		2,895,444
21. Indexed 22,480,915							0	4,151,729		11,322,819		15,474,548
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	179,661		0		179,661
25. Other (f)							0					0
26. Total Individual Annuities	38,867,878	0	0	0	0	0	0	5,478,180	0	13,071,473	0	18,549,653
Group Annuities												
27. Fixed	0						0	15,355		20,417		35,772
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	334,141		0		334,141
32. Other (f)							0					0
33. Total Group Annuities	0	0	0	0	0	0	0	349,496	0	20,417	0	369,913
Accident and Health												
34. Comprehensive individual (d)							0	XXX	XXX	XXX		0
35. Comprehensive group (d)							0	XXX	XXX	XXX		0
36. Medicare Supplement (d)	18,687						0	XXX	XXX	XXX	26,632	26,632
37. Vision only (d)							0	XXX	XXX	XXX		0
38. Dental only (d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan (d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare (d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid (d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income (d)	0						0	XXX	XXX	XXX		0
44. Long-term care (d)	56,607						0	XXX	XXX	XXX	1,130	1,130
45. Other health (d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	75,294	0	0	0	0	0	0	XXX	XXX	XXX	27,762	27,762
47. Total	39,111,506 (c)	0	0	0	0	0	0	5,867,676	31,000	13,091,890	27,762	19,018,328

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Nebraska	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	15,000	1	15,000	0	0	0	0	1	15,000	0	1	25,000	(1)	(15,500)	9	190,292	
3. Term	(34,562)	6	31,000	0	0	0	0	6	31,000	0			(14)	(6,819,000)	63	17,850,000	
4. Indexed								0	0								
5. Universal	25,000	1	25,000	0	0	0	0	1	25,000	0			(1)	(22,705)	15	1,487,777	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	5,438	8	71,000	0	0	0	0	8	71,000	0	1	25,000	(16)	(6,857,205)	87	19,528,069	
Group Life																	
12. Whole	0	0	0					0	0	0							
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Individual Annuities																	
20. Fixed	513,437	15	600,712					15	600,712	5,381	80	14,453,530	(34)	723,964	408	39,643,743	
21. Indexed	4,652,935	31	4,130,811					31	4,130,811	986,767	159	23,083,130	(140)	(10,093,071)	1,026	130,990,079	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	142,367	1	142,367					1	142,367		1	104,835	(3)	(229,063)	9	332,192	
25. Other	(f)							0	0		6	227,115	(17)	(738,687)	48	1,260,183	
26. Total Individual Annuities	5,308,739	47	4,873,890	0	0	0	0	47	4,873,890	992,148	246	37,868,610	(194)	(10,336,857)	1,491	172,226,197	
Group Annuities																	
27. Fixed	13,058	1	13,058					1	13,058	0			(1)	19,783	50	1,016,915	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(2)	(178,014)	111	4,167,219	
32. Other	(f)							0	0					(2,058)	2	5,848	
33. Total Group Annuities	13,058	1	13,058	0	0	0	0	1	13,058	0	0	0	(3)	(160,289)	163	5,189,982	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	2,945	4	18,688	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	6,114	25	57,736	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	9,059	29	76,424	
47. TOTAL	5,327,235	56	4,957,948	0	0	0	0	56	4,957,948	992,148	247	37,893,610	(213)	(17,345,292)	1,770	197,020,672	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Nevada		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Life												
Industrial								0				0
Whole	16,778							0	0	0		0
Term	131,689							0	1,305,000	32,600	0	1,337,600
Indexed								0				0
Universal	108,629							0	0	0	40,632	40,632
Universal with secondary guarantees								0				0
Variable								0				0
Variable universal								0				0
Credit								0				0
Other	(f)							0				0
Total Individual Life	257,096	0	0	0	0	0	0	0	1,305,000	32,600	40,632	1,378,232
Life												
Whole								0	0	0	0	0
Term								0	0	0	0	0
Universal								0	0	0	0	0
Variable								0				0
Variable universal								0				0
Credit								0				0
Other	(f)							0				0
Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Annuities												
Fixed	30,346,344							0	4,492,217		5,399,021	9,891,238
Indexed	25,575,944							0	6,904,265		32,954,973	39,859,238
Variable with guarantees								0				0
Variable without guarantees								0				0
Life contingent payout	0							0	153,720	0		153,720
Other	(f)							0				0
Total Individual Annuities	55,922,288	0	0	0	0	0	0	0	11,550,202	0	38,353,994	49,904,196
Annuities												
Fixed	6,125							0	251,758		404,509	656,267
Indexed								0				0
Variable with guarantees								0				0
Variable without guarantees								0				0
Life contingent payout	0							0	542,717	0		542,717
Other	(f)							0				0
Total Group Annuities	6,125	0	0	0	0	0	0	0	794,475	0	404,509	1,198,984
Accident and Health												
Comprehensive individual	(d)							0	XXX	XXX	XXX	0
Comprehensive group	(d)							0	XXX	XXX	XXX	0
Medicare Supplement	(d)	13,504						0	XXX	XXX	XXX	4,694
Vision only	(d)							0	XXX	XXX	XXX	0
Dental only	(d)							0	XXX	XXX	XXX	0
Federal Employees Health Benefits Plan	(d)							0	XXX	XXX	XXX	0
Title XVIII Medicare	(d)	(e)						0	XXX	XXX	XXX	0
Title XIX Medicaid	(d)							0	XXX	XXX	XXX	0
Credit A&H								0	XXX	XXX	XXX	0
Disability income	(d)	357						0	XXX	XXX	XXX	0
Long-term care	(d)	0						0	XXX	XXX	XXX	0
Other health	(d)	0						0	XXX	XXX	XXX	0
Total Accident and Health	13,861	0	0	0	0	0	0	0	XXX	XXX	XXX	4,694
Total	56,199,370 (c)	0	0	0	0	0	0	0	13,649,677	32,600	38,799,135	52,486,106

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Nevada	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit							
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)	
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pol- Certs	24 Amount	25 Number of Pol- Certs	26 Amount	27 Number of Pol- Certs	28 Amount	
		14 Number of Pol- Certs	15 Amount	16 Number of Pol- Certs	17 Amount	18 Number of Pol- Certs	19 Amount	20 Number of Pol- Certs	21 Amount								
Individual Life																	
1. Industrial								0	0								
2. Whole	0	0	0	0	0	0	0	0	0	0				(171)	36	326,639	
3. Term	1,337,600	8	1,337,600	0	0	0	0	0	1,337,600	120,000			(19)	(8,203,875)	135	31,899,810	
4. Indexed								0	0	0							
5. Universal	100,000	0	0	0	0	0	0	0	0	100,000			(1)	(279,744)	114	21,255,249	
6. Universal with secondary guarantees								0	0	0							
7. Variable								0	0	0							
8. Variable universal								0	0	0							
9. Credit								0	0	0							
10. Other	(f)							0	0	0							
11. Total Individual Life	1,437,600	8	1,337,600	0	0	0	0	8	1,337,600	220,000	0	0	(20)	(8,483,790)	285	53,481,698	
Group Life																	
12. Whole	0	0	0					0	0	0					1	234	
13. Term								0	0	0							
14. Universal								0	0	0							
15. Variable								0	0	0							
16. Variable universal								0	0	0							
17. Credit								0	0	0							
18. Other	(f)							0	0	0						(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	234	
Individual Annuities																	
20. Fixed	2,989,751	21	2,943,255					21	2,943,255	317,778	169	32,376,172	(78)	(7,921,512)	717	94,352,507	
21. Indexed	4,678,150	46	6,393,707					46	6,393,707	972,347	139	24,646,987	(242)	(27,764,594)	1,429	191,658,831	
22. Variable with guarantees								0	0	0							
23. Variable without guarantees								0	0	0							
24. Life contingent payout	0	0	0					0	0	0	2	246,312	(3)	(189,890)	29	1,220,026	
25. Other	(f)							0	0	0	12	1,224,950	(12)	(1,824,706)	80	2,933,641	
26. Total Individual Annuities	7,667,901	67	9,336,962	0	0	0	0	67	9,336,962	1,290,125	322	58,494,421	(335)	(37,700,702)	2,255	290,165,005	
Group Annuities																	
27. Fixed	743,600	4	251,758					4	251,758	491,842			(8)	(409,620)	131	3,055,013	
28. Indexed								0	0	0							
29. Variable with guarantees								0	0	0							
30. Variable without guarantees								0	0	0							
31. Life contingent payout								0	0	0			(5)	(292,056)	157	8,999,158	
32. Other	(f)							0	0	0							
33. Total Group Annuities	743,600	4	251,758	0	0	0	0	4	251,758	491,842	0	0	(13)	(701,676)	288	12,054,171	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	1,067	2	13,504	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	2	357	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	1,067	4	13,861	
47. TOTAL	9,849,101	79	10,926,321	0	0	0	0	79	10,926,321	2,001,966	322	58,494,421	(368)	(46,885,101)	2,833	355,714,969	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF New Hampshire		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Life												
Industrial								0				
Whole	4,950							0	100	0	0	100
Term	26,611							0	40,000	9,500	0	49,500
Indexed								0				0
Universal	18,913							0	0	0	84,781	84,781
Universal with secondary guarantees								0				0
Variable								0				0
Variable universal								0				0
Credit								0				0
Other	(f)							0				0
Total Individual Life	50,474	0	0	0	0	0	0	0	40,100	9,500	84,781	0 134,381
Life												
Whole								0	0	0	0	0
Term								0	0	0	0	0
Universal								0	0	0	0	0
Variable								0				0
Variable universal								0				0
Credit								0				0
Other	(f)							0				0
Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Annuities												
Fixed	14,273,001							0	4,242,637		1,932,653	6,175,289
Indexed	25,051,252							0	5,406,367		36,018,936	41,425,303
Variable with guarantees								0				0
Variable without guarantees								0				0
Life contingent payout	277,779							0	609,395		987,930	1,597,325
Other	(f)							0				0
Total Individual Annuities	39,602,032	0	0	0	0	0	0	0	10,258,399	0	38,939,518	0 49,197,917
Annuities												
Fixed	31,785							0	19,599		130,449	150,048
Indexed								0				0
Variable with guarantees								0				0
Variable without guarantees								0				0
Life contingent payout	0							0	661,774		141,290	803,064
Other	(f)							0				0
Total Group Annuities	31,785	0	0	0	0	0	0	0	681,373	0	271,739	0 953,111
Accident and Health												
Comprehensive individual	(d)							0	XXX	XXX	XXX	0
Comprehensive group	(d)							0	XXX	XXX	XXX	0
Medicare Supplement	(d) 14,424							0	XXX	XXX	XXX	3,671 3,671
Vision only	(d)							0	XXX	XXX	XXX	0
Dental only	(d)							0	XXX	XXX	XXX	0
Federal Employees Health Benefits Plan	(d)							0	XXX	XXX	XXX	0
Title XVIII Medicare	(d) (e)							0	XXX	XXX	XXX	0
Title XIX Medicaid	(d)							0	XXX	XXX	XXX	0
Credit A&H								0	XXX	XXX	XXX	0
Disability income	(d) 0							0	XXX	XXX	XXX	0
Long-term care	(d) 51,229							0	XXX	XXX	XXX	333,269 333,269
Other health	(d) 66							0	XXX	XXX	XXX	0
Total Accident and Health	65,719	0	0	0	0	0	0	0	XXX	XXX	XXX	336,940 336,940
Total	39,750,010 (c)	0	0	0	0	0	0	0	10,979,871	9,500	39,296,039	336,940 50,622,349

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		New Hampshire		DURING THE YEAR		2023	NAIC Company Code		63312								
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit									
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)			
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount			
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount										
Individual Life																			
1. Industrial								0	0										
2. Whole	40,000	2	40,100	0	0	0	0	2	40,100	0	2	50,000	(3)	(54,497)	42	406,272			
3. Term	9,500	2	9,500	0	0	0	0	2	9,500	0	0		(8)	(3,300,000)	28	8,565,000			
4. Indexed								0	0										
5. Universal	0	0	0	0	0	0	0	0	0	0			(1)	(607,839)	15	3,855,555			
6. Universal with secondary guarantees								0	0										
7. Variable								0	0										
8. Variable universal								0	0										
9. Credit								0	0										
10. Other	(f)							0	0										
11. Total Individual Life	49,500	4	49,600	0	0	0	0	4	49,600	0	2	50,000	(12)	(3,962,336)	85	12,826,827			
Group Life																			
12. Whole	0	0	0					0	0	0					114	2	11,435		
13. Term								0	0										
14. Universal								0	0										
15. Variable								0	0										
16. Variable universal								0	0										
17. Credit								0	0										
18. Other	(f)							0	0								(a)		
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	2	11,435		
Individual Annuities																			
20. Fixed	1,969,171	22	1,944,903					22	1,944,903	359,976	94	13,174,191	(61)	(1,166,368)	972	72,138,845			
21. Indexed	3,950,527	48	5,303,835					48	5,303,835	481,067	150	23,384,344	(286)	(34,558,056)	1,685	203,536,510			
22. Variable with guarantees								0	0										
23. Variable without guarantees								0	0										
24. Life contingent payout	127,999	9	127,999					9	127,999		2	290,500	(14)	(494,430)	96	3,449,210			
25. Other	(f)							0	0		27	3,165,298	(39)	(1,973,832)	149	7,666,038			
26. Total Individual Annuities	6,047,697	79	7,376,737	0	0	0	0	79	7,376,737	841,043	273	40,014,333	(400)	(38,192,686)	2,902	286,790,603			
Group Annuities																			
27. Fixed	16,972	1	16,972					1	16,972	0			(1)	120,695	152	5,675,756			
28. Indexed								0	0										
29. Variable with guarantees								0	0										
30. Variable without guarantees								0	0										
31. Life contingent payout								0	0				(4)	(625,731)	135	11,530,767			
32. Other	(f)							0	0				(3)	(2,619)					
33. Total Group Annuities	16,972	1	16,972	0	0	0	0	1	16,972	0	0	0	(8)	(507,655)	287	17,206,523			
Accident and Health																			
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	326	3	14,424			
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0			
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			(2)	(7,352)	33	51,083			
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	(17)	2	66			
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	(2)	(7,043)	38	65,573			
47. TOTAL		6,114,168	84	7,443,309	0	0	0	84	7,443,309	841,043	275	40,064,333	(422)	(42,669,606)	3,314	316,900,961			

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 1,993,666 Group: \$ Total: \$ 1,993,666

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF New Jersey		DURING THE YEAR 2023				NAIC Company Code 63312					
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid						
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)	
Life													
Industrial								0					0
Whole	26,670							0	56,000	0	34,222		90,222
Term	318,312							0	2,200,000	13,500	0		2,213,500
Indexed								0					0
Universal	158,037							0	445,000	0	16,265		461,265
Universal with secondary guarantees								0					0
Variable								0					0
Variable universal								0					0
Credit								0					0
Other	(f)							0					0
Total Individual Life	503,019	0	0	0	0	0	0	0	2,701,000	13,500	50,487	0	2,764,987
Life													
Whole								0	0	0	0		0
Term								0	0	0	0		0
Universal								0	0	0	0		0
Variable								0					0
Variable universal								0					0
Credit								0					0
Other	(f)							0					0
Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0
Annuities													
Fixed	250,493,660							0	14,383,123		51,581,056		65,964,179
Indexed	132,845,216							0	17,469,708		172,734,928		190,204,636
Variable with guarantees								0					0
Variable without guarantees								0					0
Life contingent payout	0							0	644,960	0	0		644,960
Other	(f)							0					0
Total Individual Annuities	383,338,876	0	0	0	0	0	0	0	32,497,791	0	224,315,984	0	256,813,775
Life													
Fixed	149,529							0	483,142		2,528,767		3,011,908
Indexed								0					0
Variable with guarantees								0					0
Variable without guarantees								0					0
Life contingent payout	57,786							0	2,695,490		186,702		2,882,192
Other	(f)							0					0
Total Group Annuities	207,315	0	0	0	0	0	0	0	3,178,632	0	2,715,469	0	5,894,101
Accident and Health													
Comprehensive individual	(d)							0	XXX	XXX	XXX		0
Comprehensive group	(d)							0	XXX	XXX	XXX		0
Medicare Supplement	(d)	2,724						0	XXX	XXX	XXX	305	305
Vision only	(d)							0	XXX	XXX	XXX		0
Dental only	(d)							0	XXX	XXX	XXX		0
Federal Employees Health Benefits Plan	(d)							0	XXX	XXX	XXX		0
Title XVIII Medicare	(d)	(e)						0	XXX	XXX	XXX		0
Title XIX Medicaid	(d)							0	XXX	XXX	XXX		0
Credit A&H								0	XXX	XXX	XXX		0
Disability income	(d)							0	XXX	XXX	XXX		0
Long-term care	(d)	3,303						0	XXX	XXX	XXX	1,626	1,626
Other health	(d)	221						0	XXX	XXX	XXX		0
Total Accident and Health	6,392	0	0	0	0	0	0	0	XXX	XXX	XXX	1,931	1,931
Total	384,055,602 (c)	0	0	0	0	0	0	0	38,377,423	13,500	227,081,940	1,931	265,474,793

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		New Jersey	DURING THE YEAR						2023	NAIC Company Code		63312								
Line of Business	Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit										
		13	Claims Settled During Current Year								22	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)						
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28					
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount					
Individual Life																						
1. Industrial									0	0												
2. Whole	53,759	9		56,433	0	0	0	0	9	56,433	2,325			(19)	(299,262)	162	2,308,634					
3. Term	673,500	4		2,213,500	0	0	0	0	4	2,213,500	160,000			(28)	(11,781,000)	300	76,217,140					
4. Indexed									0	0												
5. Universal	445,000	5		445,000	0	0	0	0	5	445,000	0			(14)	(1,773,418)	181	25,382,900					
6. Universal with secondary guarantees									0	0												
7. Variable									0	0												
8. Variable universal									0	0												
9. Credit									0	0												
10. Other	(f)								0	0												
11. Total Individual Life	1,172,259	18		2,714,933	0	0	0	0	18	2,714,933	162,325	0	0	(61)	(13,853,680)	643	103,908,674					
Group Life																						
12. Whole	0	0		0					0	0	0			(14)	(4,262)	33	65,186					
13. Term									0	0												
14. Universal									0	0												
15. Variable									0	0												
16. Variable universal									0	0												
17. Credit									0	0												
18. Other	(f)								0	0							(a)					
19. Total Group Life	0	0		0	0	0	0	0	0	0	0	0	0	(14)	(4,262)	33	65,186					
Individual Annuities																						
20. Fixed	14,218,137	152		10,902,581					152	10,902,581	6,816,386	1,758	281,579,282	(917)	(80,148,697)	7,417	834,011,919					
21. Indexed	15,131,052	167		17,031,671					167	17,031,671	5,895,996	1,036	141,625,754	(1,508)	(172,478,697)	8,093	999,404,446					
22. Variable with guarantees									0	0												
23. Variable without guarantees									0	0												
24. Life contingent payout	215,090	5		215,090					5	215,090		12	308,555	(14)	(799,566)	75	3,040,182					
25. Other	(f)								0	0		36	2,554,514	(50)	(3,147,267)	207	9,469,449					
26. Total Individual Annuities	29,564,279	324		28,149,343	0	0	0	0	324	28,149,343	12,712,382	2,842	426,068,105	(2,489)	(256,574,227)	15,792	1,845,925,996					
Group Annuities																						
27. Fixed	403,891	8		481,804					8	481,804	69,076			(51)	(1,842,187)	704	24,993,415					
28. Indexed									0	0												
29. Variable with guarantees									0	0												
30. Variable without guarantees									0	0												
31. Life contingent payout									0	0				(16)	(1,705,363)	556	36,213,603					
32. Other	(f)								0	0				(1)	(1,331)							
33. Total Group Annuities	403,891	8		481,804	0	0	0	0	8	481,804	69,076	0	0	(68)	(3,548,881)	1,260	61,207,018					
Accident and Health																						
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	66	1	2,724					
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0		190	1	144					
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0		202	4	5,013					
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	1	221					
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	458	7	8,102					
47. TOTAL		31,140,428	350	31,346,080	0	0	0	0	350	31,346,080	12,943,783	2,842	426,068,105	(2,632)	(273,980,592)	17,735	2,011,114,976					

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 958,385 Group: \$ Total: \$ 958,385

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF New Mexico DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....19,027								20,620	0	57,639		78,259
3. Term .....133,928							0	0	32,500	0		32,500
4. Indexed							0					0
5. Universal .....52,809							0	27,000	0	4,366		31,366
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	205,764	0	0	0	0	0	0	47,620	32,500	62,004	0	142,125
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....9,576,977							0	1,808,375		1,585,994		3,394,369
21. Indexed .....6,156,050							0	1,553,614		17,521,458		19,075,071
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout .....70,334							0	171,979		0		171,979
25. Other .....(f)							0					0
26. Total Individual Annuities	15,803,361	0	0	0	0	0	0	3,533,967	0	19,107,452	0	22,641,420
Group Annuities												
27. Fixed .....12,252							0	108,497		172,475		280,972
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout .....0							0	133,620		0		133,620
32. Other .....(f)							0					0
33. Total Group Annuities	12,252	0	0	0	0	0	0	242,118	0	172,475	0	414,592
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	0						0	XXX	XXX	XXX	0	0
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	0						0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	16,021,377 (c)	0	0	0	0	0	0	3,823,705	32,500	19,341,931	0	23,198,137



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF New York		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business		1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members			7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
				3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1.	Industrial						0					0
2.	Whole	8,479					0	20,000	0	7,376		27,376
3.	Term	48,013					0	0	0	0		0
4.	Indexed						0					0
5.	Universal	65,612					0	29,925	0	0		29,925
6.	Universal with secondary guarantees						0					0
7.	Variable						0					0
8.	Variable universal						0					0
9.	Credit						0					0
10.	Other	(f)					0					0
11.	Total Individual Life	122,104	0	0	0	0	0	49,925	0	7,376	0	57,300
Group Life												
12.	Whole						0	0	0	0		0
13.	Term						0	0	0	0		0
14.	Universal						0	0	0	0		0
15.	Variable						0					0
16.	Variable universal						0					0
17.	Credit						0					0
18.	Other	(f)					0					0
19.	Total Group Life	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20.	Fixed	6,176,388					0	4,507,637		1,115,631		5,623,268
21.	Indexed	16,687,350					0	10,335,328		24,975,792		35,311,121
22.	Variable with guarantees						0					0
23.	Variable without guarantees						0					0
24.	Life contingent payout	0					0	282,642		0		282,642
25.	Other	(f)					0					0
26.	Total Individual Annuities	22,863,738	0	0	0	0	0	15,125,607	0	26,091,424	0	41,217,031
Group Annuities												
27.	Fixed	2,000					0	92,885		135,698		228,583
28.	Indexed						0					0
29.	Variable with guarantees						0					0
30.	Variable without guarantees						0					0
31.	Life contingent payout	19,357					0	946,961		0		946,961
32.	Other	(f)					0					0
33.	Total Group Annuities	21,357	0	0	0	0	0	1,039,845	0	135,698	0	1,175,543
Accident and Health												
34.	Comprehensive individual	(d)					0	XXX	XXX	XXX		0
35.	Comprehensive group	(d)					0	XXX	XXX	XXX		0
36.	Medicare Supplement	(d)	0				0	XXX	XXX	XXX	0	0
37.	Vision only	(d)					0	XXX	XXX	XXX		0
38.	Dental only	(d)					0	XXX	XXX	XXX		0
39.	Federal Employees Health Benefits Plan	(d)					0	XXX	XXX	XXX		0
40.	Title XVIII Medicare	(d)	(e)				0	XXX	XXX	XXX		0
41.	Title XIX Medicaid	(d)					0	XXX	XXX	XXX		0
42.	Credit A&H						0	XXX	XXX	XXX		0
43.	Disability income	(d)	0				0	XXX	XXX	XXX		0
44.	Long-term care	(d)	5,069				0	XXX	XXX	XXX	0	0
45.	Other health	(d)	391				0	XXX	XXX	XXX		0
46.	Total Accident and Health	5,460	0	0	0	0	0	XXX	XXX	XXX	0	0
47.	Total	23,012,659 (c)	0	0	0	0	0	16,215,377	0	26,234,497	0	42,449,874



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF North Carolina		DURING THE YEAR 2023				NAIC Company Code 63312					
Line of Business		1	2	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
		Premiums and Annuities Considerations	Other Considerations	3	4	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6	7	8	9	10	11	12
				Paid in Cash or Left on Deposit	Applied to Pay Renewal Premiums		Other	Total (Col. 3+4+5+6)	Death and Annuity Benefits	Matured Endowments	Surrender Values and Withdrawals for Life Contracts	All Other Benefits	Total (Sum Columns 8 through 11)
Individual Life													
1.	Industrial							0					0
2.	Whole	142,746							496,336	5,274	27,631		529,241
3.	Term	566,721						0	600,000	105,300	0		705,300
4.	Indexed							0					0
5.	Universal	260,533						0	265,000	0	101,963		366,963
6.	Universal with secondary guarantees							0					0
7.	Variable							0					0
8.	Variable universal							0					0
9.	Credit							0					0
10.	Other	(f)						0					0
11.	Total Individual Life	970,000	0	0	0	0	0	0	1,361,336	110,574	129,594	0	1,601,504
Group Life													
12.	Whole							0	0	0	0		0
13.	Term							0	0	0	0		0
14.	Universal							0	0	0	0		0
15.	Variable							0					0
16.	Variable universal							0					0
17.	Credit							0					0
18.	Other	(f)						0					0
19.	Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities													
20.	Fixed	147,811,373						0	22,098,910		41,278,492		63,377,402
21.	Indexed	204,079,659						0	41,147,950		237,289,738		278,437,688
22.	Variable with guarantees							0					0
23.	Variable without guarantees							0					0
24.	Life contingent payout	11,732						0	914,331		0		914,331
25.	Other	(f)						0					0
26.	Total Individual Annuities	351,902,764	0	0	0	0	0	0	64,161,191	0	278,568,230	0	342,729,421
Group Annuities													
27.	Fixed	72,211						0	275,471		849,849		1,125,319
28.	Indexed							0					0
29.	Variable with guarantees							0					0
30.	Variable without guarantees							0					0
31.	Life contingent payout	0						0	1,429,253		0		1,429,253
32.	Other	(f)						0					0
33.	Total Group Annuities	72,211	0	0	0	0	0	0	1,704,723	0	849,849	0	2,554,572
Accident and Health													
34.	Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35.	Comprehensive group	(d)						0	XXX	XXX	XXX		0
36.	Medicare Supplement	(d)	212,991					0	XXX	XXX	XXX	114,239	114,239
37.	Vision only	(d)						0	XXX	XXX	XXX		0
38.	Dental only	(d)						0	XXX	XXX	XXX		0
39.	Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40.	Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41.	Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42.	Credit A&H							0	XXX	XXX	XXX		0
43.	Disability income	(d)	0					0	XXX	XXX	XXX		0
44.	Long-term care	(d)	1,168,004					0	XXX	XXX	XXX	1,085,431	1,085,431
45.	Other health	(d)	192					0	XXX	XXX	XXX		0
46.	Total Accident and Health	1,381,187	0	0	0	0	0	0	XXX	XXX	XXX	1,199,670	1,199,670
47.	Total	354,326,162 (c)	0	0	0	0	0	0	67,227,250	110,574	279,547,673	1,199,670	348,085,166



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF North Dakota		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0	0	0	0		0
2. Whole 2,091							0	0	0	0		0
3. Term 30,841							0	0	0	0		0
4. Indexed							0					0
5. Universal 13,270							0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other (f)							0					0
11. Total Individual Life 46,202		0	0	0	0	0	0	0	0	0	0	0
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other (f)							0					0
19. Total Group Life 0		0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed 8,877,495							0	250,823		842,852		1,093,676
21. Indexed 13,556,383							0	3,536,452		23,777,314		27,313,766
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout							0	13,980		0		13,980
25. Other (f)							0					0
26. Total Individual Annuities 22,433,878		0	0	0	0	0	0	3,801,255	0	24,620,166	0	28,421,421
Group Annuities												
27. Fixed	0						0	1,058		5,134		6,191
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	20,612		0		20,612
32. Other (f)							0					0
33. Total Group Annuities 0	0	0	0	0	0	0	0	21,669	0	5,134	0	26,803
Accident and Health												
34. Comprehensive individual (d)							0	XXX	XXX	XXX		0
35. Comprehensive group (d)							0	XXX	XXX	XXX		0
36. Medicare Supplement (d)	0						0	XXX	XXX	XXX	0	0
37. Vision only (d)							0	XXX	XXX	XXX		0
38. Dental only (d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan (d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare (d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid (d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income (d)	0						0	XXX	XXX	XXX		0
44. Long-term care (d)	0						0	XXX	XXX	XXX	0	0
45. Other health (d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health 0	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total 22,480,080 (c)		0	0	0	0	0	0	3,822,925	0	24,625,300	0	28,448,224



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435

BUSINESS IN THE STATE OF Ohio

DURING THE YEAR 2023

NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....40,395							0	25,609	0	8,692		34,301
3. Term .....296,407							0	701,000	191,500	0		892,500
4. Indexed							0					0
5. Universal .....96,514							0	297,097	0	29,858		326,955
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	433,316	0	0	0	0	0	0	1,023,706	191,500	38,549	0	1,253,756
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....160,021,427							0	29,877,601		61,356,032		91,233,634
21. Indexed .....208,432,199							0	34,161,240		247,352,150		281,513,390
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout .....210,708							0	1,193,443		(112,173)		1,081,270
25. Other .....(f)							0					0
26. Total Individual Annuities	368,664,334	0	0	0	0	0	0	65,232,284	0	308,596,010	0	373,828,293
Group Annuities												
27. Fixed .....446,708							0	453,107		5,905,492		6,358,600
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout .....318,305							0	5,537,298		88,240		5,625,538
32. Other .....(f)							0					0
33. Total Group Annuities	765,013	0	0	0	0	0	0	5,990,406	0	5,993,732	0	11,984,137
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	56,981						0	XXX	XXX	XXX	11,606	11,606
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(578)							0	XXX	XXX	XXX	0	0
45. Other health .....(d)	133						0	XXX	XXX	XXX		0
46. Total Accident and Health	56,536	0	0	0	0	0	0	XXX	XXX	XXX	11,606	11,606
47. Total	369,919,199 (c)	0	0	0	0	0	0	72,246,395	191,500	314,628,291	11,606	387,077,792



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Oklahoma DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....18,550								15,000	0	3,321		18,321
3. Term .....447,232							0	551,000	64,100	0		615,100
4. Indexed							0					0
5. Universal .....37,191							0	50,000	0	13,349		63,349
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	502,973	0	0	0	0	0	0	616,000	64,100	16,670	0	696,770
Group Life												
12. Whole							0	15,865	0	0		15,865
13. Term .....0							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	15,865	0	0	0	15,865
Individual Annuities												
20. Fixed .....19,133,624							0	2,223,320		2,795,518		5,018,838
21. Indexed .....32,122,097							0	2,659,323		18,140,927		20,800,251
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	137,953		0		137,953
25. Other .....(f)							0					0
26. Total Individual Annuities	51,255,721	0	0	0	0	0	0	5,020,596	0	20,936,446	0	25,957,041
Group Annuities												
27. Fixed .....1,100							0	148,766		463,600		612,366
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	381,166		0		381,166
32. Other .....(f)							0					0
33. Total Group Annuities	1,100	0	0	0	0	0	0	529,932	0	463,600	0	993,533
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	74,202						0	XXX	XXX	XXX	44,212	44,212
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....3,064							0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	77,266	0	0	0	0	0	0	XXX	XXX	XXX	44,212	44,212
47. Total	51,837,060 (c)	0	0	0	0	0	0	6,182,393	64,100	21,416,715	44,212	27,707,420



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Oregon DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	1,667						0	512,038	11,932	4,434		528,404
3. Term	52,223						0	150,000	17,100	0		167,100
4. Indexed							0					0
5. Universal	45,421						0	0	0	14,356		14,356
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	99,311	0	0	0	0	0	0	662,038	29,032	18,789	0	709,859
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	39,130,620						0	4,282,363		2,353,468		6,635,831
21. Indexed	25,180,593						0	6,614,232		73,298,800		79,913,032
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	497,544		73,588		571,132
25. Other	(f)						0					0
26. Total Individual Annuities	64,311,213	0	0	0	0	0	0	11,394,139	0	75,725,856	0	87,119,995
Group Annuities												
27. Fixed	0						0	114,042		548,078		662,120
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	450,259		0		450,259
32. Other	(f)						0					0
33. Total Group Annuities	0	0	0	0	0	0	0	564,301	0	548,078	0	1,112,379
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	14,587					0	XXX	XXX	XXX	22,974	22,974
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	60,769					0	XXX	XXX	XXX	15,209	15,209
45. Other health	(d)	(63)					0	XXX	XXX	XXX		0
46. Total Accident and Health	75,293	0	0	0	0	0	0	XXX	XXX	XXX	38,183	38,183
47. Total	64,485,817 (c)	0	0	0	0	0	0	12,620,478	29,032	76,292,724	38,183	88,980,417



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Pennsylvania		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business		1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members			7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
				3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1.	Industrial						0					0
2.	Whole .....72,564							63,343	0	22,527		85,871
3.	Term .....535,273						0	100,000	372,800	15,567		488,367
4.	Indexed						0					0
5.	Universal .....376,208						0	400,000	0	141,362		541,362
6.	Universal with secondary guarantees						0					0
7.	Variable						0					0
8.	Variable universal						0					0
9.	Credit						0					0
10.	Other .....(f)						0					0
11.	Total Individual Life	984,045	0	0	0	0	0	563,343	372,800	179,456	0	1,115,599
Group Life												
12.	Whole						0	0	0	0		0
13.	Term						0	0	0	0		0
14.	Universal						0	0	0	0		0
15.	Variable						0					0
16.	Variable universal						0					0
17.	Credit						0					0
18.	Other .....(f)						0					0
19.	Total Group Life	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20.	Fixed .....338,852,735						0	24,047,256		78,748,104		102,795,360
21.	Indexed .....199,590,738						0	34,123,731		288,161,436		322,285,168
22.	Variable with guarantees						0					0
23.	Variable without guarantees						0					0
24.	Life contingent payout .....199,129						0	786,678		0		786,678
25.	Other .....(f)						0					0
26.	Total Individual Annuities	538,642,602	0	0	0	0	0	58,957,665	0	366,909,541	0	425,867,205
Group Annuities												
27.	Fixed .....17,708						0	39,275		357,611		396,885
28.	Indexed						0					0
29.	Variable with guarantees						0					0
30.	Variable without guarantees						0					0
31.	Life contingent payout .....0						0	3,730,016		0		3,730,016
32.	Other .....(f)						0					0
33.	Total Group Annuities	17,708	0	0	0	0	0	3,769,291	0	357,611	0	4,126,901
Accident and Health												
34.	Comprehensive individual .....(d)						0	XXX	XXX	XXX		0
35.	Comprehensive group .....(d)						0	XXX	XXX	XXX		0
36.	Medicare Supplement .....(d)	9,915					0	XXX	XXX	XXX	2,500	2,500
37.	Vision only .....(d)						0	XXX	XXX	XXX		0
38.	Dental only .....(d)						0	XXX	XXX	XXX		0
39.	Federal Employees Health Benefits Plan .....(d)						0	XXX	XXX	XXX		0
40.	Title XVIII Medicare .....(d)						0	XXX	XXX	XXX		0
41.	Title XIX Medicaid .....(d)						0	XXX	XXX	XXX		0
42.	Credit A&H						0	XXX	XXX	XXX		0
43.	Disability income .....(d)	0					0	XXX	XXX	XXX		0
44.	Long-term care .....(d)	6,300					0	XXX	XXX	XXX	0	0
45.	Other health .....(d)	0					0	XXX	XXX	XXX		0
46.	Total Accident and Health	16,215	0	0	0	0	0	XXX	XXX	XXX	2,500	2,500
47.	Total	539,660,570 (c)	0	0	0	0	0	63,290,299	372,800	367,446,607	2,500	431,112,205



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Rhode Island DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole 4,288							0	15,000	0	287		15,287
3. Term 34,194							0	125,000	61,500	0		186,500
4. Indexed							0					0
5. Universal 10,837							0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other (f)							0					0
11. Total Individual Life	49,319	0	0	0	0	0	0	140,000	61,500	287	0	201,787
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other (f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed 27,249,363							0	2,234,559		3,994,223		6,228,782
21. Indexed 28,050,227							0	3,177,781		34,184,510		37,362,292
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout							0	288,708		0		288,708
25. Other (f)							0					0
26. Total Individual Annuities	55,299,590	0	0	0	0	0	0	5,701,049	0	38,178,733	0	43,879,782
Group Annuities												
27. Fixed 201,874							0	7,677		1,311,143		1,318,819
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout							0	489,581		0		489,581
32. Other (f)							0					0
33. Total Group Annuities	201,874	0	0	0	0	0	0	497,258	0	1,311,143	0	1,808,400
Accident and Health												
34. Comprehensive individual (d)							0	XXX	XXX	XXX		0
35. Comprehensive group (d)							0	XXX	XXX	XXX		0
36. Medicare Supplement (d)	0						0	XXX	XXX	XXX	0	0
37. Vision only (d)							0	XXX	XXX	XXX		0
38. Dental only (d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan (d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare (d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid (d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income (d)	0						0	XXX	XXX	XXX		0
44. Long-term care (d)	10,193						0	XXX	XXX	XXX	86,774	86,774
45. Other health (d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	10,193	0	0	0	0	0	0	XXX	XXX	XXX	86,774	86,774
47. Total	55,560,976 (c)	0	0	0	0	0	0	6,338,307	61,500	39,490,162	86,774	45,976,743



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF South Carolina		DURING THE YEAR 2023				NAIC Company Code 63312					
Line of Business		1	2	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
		Premiums and Annuities Considerations	Other Considerations	3	4	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6	7	8	9	10	11	12
				Paid in Cash or Left on Deposit	Applied to Pay Renewal Premiums		Other	Total (Col. 3+4+5+6)	Death and Annuity Benefits	Matured Endowments	Surrender Values and Withdrawals for Life Contracts	All Other Benefits	Total (Sum Columns 8 through 11)
Individual Life													
1.	Industrial							0					0
2.	Whole	59,135						0	68,115	0	12,559		80,674
3.	Term	220,807						0	0	98,200	19,391		117,591
4.	Indexed							0					0
5.	Universal	87,517						0	81,785	0	16,953		98,738
6.	Universal with secondary guarantees							0					0
7.	Variable							0					0
8.	Variable universal							0					0
9.	Credit							0					0
10.	Other	(f)						0					0
11.	Total Individual Life	367,459	0	0	0	0	0	0	149,900	98,200	48,903	0	297,002
Group Life													
12.	Whole							0	4,454	0	0		4,454
13.	Term							0	0	0	0		0
14.	Universal							0	0	0	0		0
15.	Variable							0					0
16.	Variable universal							0					0
17.	Credit							0					0
18.	Other	(f)						0					0
19.	Total Group Life	0	0	0	0	0	0	0	4,454	0	0	0	4,454
Individual Annuities													
20.	Fixed	82,781,851						0	13,435,275		14,148,347		27,583,622
21.	Indexed	115,769,348						0	23,335,836		134,732,141		158,067,977
22.	Variable with guarantees							0					0
23.	Variable without guarantees							0					0
24.	Life contingent payout	0						0	376,728		0		376,728
25.	Other	(f)						0					0
26.	Total Individual Annuities	198,551,199	0	0	0	0	0	0	37,147,840	0	148,880,488	0	186,028,327
Group Annuities													
27.	Fixed	11,392						0	12,801		357,000		369,801
28.	Indexed							0					0
29.	Variable with guarantees							0					0
30.	Variable without guarantees							0					0
31.	Life contingent payout	0						0	912,508		0		912,508
32.	Other	(f)						0					0
33.	Total Group Annuities	11,392	0	0	0	0	0	0	925,309	0	357,000	0	1,282,309
Accident and Health													
34.	Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35.	Comprehensive group	(d)						0	XXX	XXX	XXX		0
36.	Medicare Supplement	(d)	228,753					0	XXX	XXX	XXX	148,007	148,007
37.	Vision only	(d)						0	XXX	XXX	XXX		0
38.	Dental only	(d)						0	XXX	XXX	XXX		0
39.	Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40.	Title XVIII Medicare	(d)						0	XXX	XXX	XXX		0
41.	Title XIX Medicaid	(d)	(e)					0	XXX	XXX	XXX		0
42.	Credit A&H							0	XXX	XXX	XXX		0
43.	Disability income	(d)	0					0	XXX	XXX	XXX		0
44.	Long-term care	(d)	15,508					0	XXX	XXX	XXX	124,501	124,501
45.	Other health	(d)	143					0	XXX	XXX	XXX		0
46.	Total Accident and Health	244,404	0	0	0	0	0	0	XXX	XXX	XXX	272,508	272,508
47.	Total	199,174,454 (c)	0	0	0	0	0	0	38,227,502	98,200	149,286,390	272,508	187,884,601



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF South Dakota DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0	0	0	7,628		0
2. Whole 1,200							0	0	0			7,628
3. Term 27,490							0	100,000	20,200	0		120,200
4. Indexed							0					0
5. Universal 5,467							0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other (f)							0					0
11. Total Individual Life	34,157	0	0	0	0	0	0	100,000	20,200	7,628	0	127,828
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other (f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed 10,147,233							0	1,663,983		433,625		2,097,608
21. Indexed 10,647,613							0	1,486,250		11,134,105		12,620,356
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout							0	60,544		0		60,544
25. Other (f)							0					0
26. Total Individual Annuities	20,794,846	0	0	0	0	0	0	3,210,777	0	11,567,731	0	14,778,508
Group Annuities												
27. Fixed 2,400							0	36,748		70,834		107,582
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout							0	667,019		0		667,019
32. Other (f)							0					0
33. Total Group Annuities	2,400	0	0	0	0	0	0	703,767	0	70,834	0	774,601
Accident and Health												
34. Comprehensive individual (d)							0	XXX	XXX	XXX		0
35. Comprehensive group (d)							0	XXX	XXX	XXX		0
36. Medicare Supplement (d)	0						0	XXX	XXX	XXX	0	0
37. Vision only (d)							0	XXX	XXX	XXX		0
38. Dental only (d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan (d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare (d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid (d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income (d)	0						0	XXX	XXX	XXX		0
44. Long-term care (d)	0						0	XXX	XXX	XXX	0	0
45. Other health (d)	25						0	XXX	XXX	XXX		0
46. Total Accident and Health	25	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	20,831,428 (c)	0	0	0	0	0	0	4,014,544	20,200	11,646,192	0	15,680,937

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ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Tennessee DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....23,043								25,000	0	2,755		27,755
3. Term .....237,577							0	1,230	240,000	0		241,230
4. Indexed							0					0
5. Universal .....66,636							0	160,000	0	87,662		247,662
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	327,256	0	0	0	0	0	0	186,230	240,000	90,417	0	516,647
Group Life												
12. Whole							0	400,119	7,467	6,384		413,970
13. Term .....0							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	400,119	7,467	6,384	0	413,970
Individual Annuities												
20. Fixed .....108,623,641							0	17,105,041		39,862,334		56,967,375
21. Indexed .....168,188,545							0	26,566,561		151,392,286		177,958,847
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout .....0							0	462,166		0		462,166
25. Other .....(f)							0					0
26. Total Individual Annuities	276,812,186	0	0	0	0	0	0	44,133,769	0	191,254,620	0	235,388,389
Group Annuities												
27. Fixed .....29,768							0	516,880		191,644		708,524
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout .....(7,631)							0	1,888,286		0		1,888,286
32. Other .....(f)							0					0
33. Total Group Annuities	22,137	0	0	0	0	0	0	2,405,166	0	191,644	0	2,596,810
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	90,613						0	XXX	XXX	XXX	69,105	69,105
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	98,805						0	XXX	XXX	XXX	140,068	140,068
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	189,418	0	0	0	0	0	0	XXX	XXX	XXX	209,173	209,173
47. Total	277,350,997 (c)	0	0	0	0	0	0	47,125,284	247,467	191,543,064	209,173	239,124,988



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Texas		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Life												
Industrial							0					0
Whole	106,871							94,117	0	7,427		101,544
Term	1,458,542						0	1,576,000	1,768,600	0		3,344,600
Indexed							0					0
Universal	533,538						0	631,000	0	499,911		1,130,911
Universal with secondary guarantees							0					0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Individual Life	2,098,951	0	0	0	0	0	0	2,301,117	1,768,600	507,338	0	4,577,055
Life												
Whole							0	12,283	0	0		12,283
Term							0	0	0	0		0
Universal							0	0	0	0		0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Group Life	0	0	0	0	0	0	0	12,283	0	0	0	12,283
Annuities												
Fixed	286,460,367						0	28,264,059		53,025,242		81,289,300
Indexed	166,406,118						0	37,589,930		219,094,294		256,684,225
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	519,638						0	1,772,107		0		1,772,107
Other	(f)						0					0
Total Individual Annuities	453,386,123	0	0	0	0	0	0	67,626,096	0	272,119,536	0	339,745,633
Annuities												
Fixed	320,660						0	395,308		4,948,175		5,343,483
Indexed							0					0
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	2,438,860		0		2,438,860
Other	(f)						0					0
Total Group Annuities	320,660	0	0	0	0	0	0	2,834,169	0	4,948,175	0	7,782,343
Accident and Health												
Comprehensive individual	(d)						0	XXX	XXX	XXX		0
Comprehensive group	(d)						0	XXX	XXX	XXX		0
Medicare Supplement	(d)	112,316					0	XXX	XXX	XXX	90,565	90,565
Vision only	(d)						0	XXX	XXX	XXX		0
Dental only	(d)						0	XXX	XXX	XXX		0
Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
Credit A&H							0	XXX	XXX	XXX		0
Disability income	(d)	0					0	XXX	XXX	XXX		0
Long-term care	(d)	8,452					0	XXX	XXX	XXX	0	0
Other health	(d)	23					0	XXX	XXX	XXX		0
Total Accident and Health		120,791	0	0	0	0	0	XXX	XXX	XXX	90,565	90,565
Total	455,926,525 (c)	0	0	0	0	0	0	72,773,665	1,768,600	277,575,049	90,565	352,207,878



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Utah DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....27,853								40,000	0	0		40,000
3. Term .....81,981							0	0	107,600	0		107,600
4. Indexed							0					0
5. Universal .....16,446							0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	126,280	0	0	0	0	0	0	40,000	107,600	0	0	147,600
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....18,847,843							0	4,728,363		4,083,262		8,811,625
21. Indexed .....46,824,897							0	9,767,117		77,470,114		87,237,231
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout .....4,398,977							0	2,751,339		0		2,751,339
25. Other .....(f)							0					0
26. Total Individual Annuities	70,071,717	0	0	0	0	0	0	17,246,819	0	81,553,376	0	98,800,195
Group Annuities												
27. Fixed .....0							0	1,521		29,035		30,556
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout .....0							0	150,498		0		150,498
32. Other .....(f)							0					0
33. Total Group Annuities	0	0	0	0	0	0	0	152,019	0	29,035	0	181,053
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	40,112						0	XXX	XXX	XXX	9,767	9,767
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	0						0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	40,112	0	0	0	0	0	0	XXX	XXX	XXX	9,767	9,767
47. Total	70,238,109 (c)	0	0	0	0	0	0	17,438,838	107,600	81,582,411	9,767	99,138,616



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Vermont DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole 3,609								10,906	0	0		10,906
3. Term 20,051							0	0	10,000	0		10,000
4. Indexed							0					0
5. Universal 10,371							0	50,000	0	0		50,000
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other (f)							0					0
11. Total Individual Life	34,031	0	0	0	0	0	0	60,906	10,000	0	0	70,906
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other (f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed 6,362,407							0	1,745,872		1,088,434		2,834,306
21. Indexed 10,536,013							0	1,577,007		10,240,047		11,817,054
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	128,992		0		128,992
25. Other (f)							0					0
26. Total Individual Annuities	16,898,420	0	0	0	0	0	0	3,451,871	0	11,328,481	0	14,780,352
Group Annuities												
27. Fixed 16,426							0	0		76,442		76,442
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	208,734		0		208,734
32. Other (f)							0					0
33. Total Group Annuities	16,426	0	0	0	0	0	0	208,734	0	76,442	0	285,176
Accident and Health												
34. Comprehensive individual (d)							0	XXX	XXX	XXX		0
35. Comprehensive group (d)							0	XXX	XXX	XXX		0
36. Medicare Supplement (d)	0						0	XXX	XXX	XXX	0	0
37. Vision only (d)							0	XXX	XXX	XXX		0
38. Dental only (d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan (d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare (d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid (d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income (d)	0						0	XXX	XXX	XXX		0
44. Long-term care (d)	20,367						0	XXX	XXX	XXX	0	0
45. Other health (d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	20,367	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	16,969,244 (c)	0	0	0	0	0	0	3,721,511	10,000	11,404,923	0	15,136,434

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Vermont	DURING THE YEAR						2023	NAIC Company Code		63312			
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit					
		Claims Settled During Current Year								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)		
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	
Individual Life																	
1. Industrial								0	0								
2. Whole	8,754	3	10,906	0	0	0	0	3	10,906	0			(3)	(10,456)	18	122,126	
3. Term	10,000	2	10,000	0	0	0	0	2	10,000	0			(4)	(1,450,000)	14	3,553,000	
4. Indexed								0	0								
5. Universal	0	1	50,000	0	0	0	0	1	50,000	0			(1)	(84,996)	4	1,654,503	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	18,754	6	70,906	0	0	0	0	6	70,906	0	0	0	(8)	(1,545,452)	36	5,329,629	
Group Life																	
12. Whole	0	0	0					0	0	0					41	4,128	
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	4,128	
Individual Annuities																	
20. Fixed	1,677,781	16	1,092,061					16	1,092,061	699,657	43	6,574,000	(40)	(3,204,979)	422	30,105,213	
21. Indexed	1,894,520	13	1,530,859					13	1,530,859	363,661	87	12,521,005	(108)	(11,052,329)	723	75,506,551	
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	0	0	0					0	0		3	393,286		(38,809)	32	1,379,993	
25. Other	(f)							0	0		9	504,735	(9)	(632,116)	53	2,137,447	
26. Total Individual Annuities	3,572,300	29	2,622,920	0	0	0	0	29	2,622,920	1,063,318	142	19,993,026	(157)	(14,928,233)	1,230	109,129,144	
Group Annuities																	
27. Fixed	0	0	0					0	0	0			(3)	167,994	105	2,565,784	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0				(2)	(246,426)	59	2,208,065	
32. Other	(f)							0	0								
33. Total Group Annuities	0	0	0	0	0	0	0	0	0	0	0	0	(5)	(78,432)	164	4,773,849	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	13	20,367	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0	13	20,367	
47. TOTAL		3,591,054	35	2,693,826	0	0	0	35	2,693,826	1,063,318	142	19,993,026	(170)	(16,552,076)	1,444	119,257,117	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 0 Group: \$ _____ Total: \$ _____0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

2. Group Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

3. Individual Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

4. Group Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Virginia		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				Claims and Benefits Paid					
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Life												
Industrial							0					0
Whole	75,204						0	60,717	0	14,457		75,173
Term	442,236						0	541,550	543,800	0		1,085,350
Indexed							0					0
Universal	240,860						0	249,975	0	79,178		329,153
Universal with secondary guarantees							0					0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Individual Life	758,300	0	0	0	0	0	0	852,242	543,800	93,635	0	1,489,676
Life												
Whole							0	14,645	0	0		14,645
Term							0	0	0	0		0
Universal							0	0	0	0		0
Variable							0					0
Variable universal							0					0
Credit							0					0
Other	(f)						0					0
Total Group Life	0	0	0	0	0	0	0	14,645	0	0	0	14,645
Annuities												
Fixed	68,213,974						0	9,457,233		8,995,292		18,452,525
Indexed	123,937,287						0	21,652,323		117,446,366		139,098,689
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	1,054,897		0		1,054,897
Other	(f)						0					0
Total Individual Annuities	192,151,261	0	0	0	0	0	0	32,164,452	0	126,441,658	0	158,606,110
Annuities												
Fixed	11,627						0	19,077		431,855		450,932
Indexed							0					0
Variable with guarantees							0					0
Variable without guarantees							0					0
Life contingent payout	0						0	665,468		16,748		682,215
Other	(f)						0					0
Total Group Annuities	11,627	0	0	0	0	0	0	684,545	0	448,603	0	1,133,147
Accident and Health												
Comprehensive individual	(d)						0	XXX	XXX	XXX		0
Comprehensive group	(d)						0	XXX	XXX	XXX		0
Medicare Supplement	(d)	31,632					0	XXX	XXX	XXX	18,761	18,761
Vision only	(d)						0	XXX	XXX	XXX		0
Dental only	(d)						0	XXX	XXX	XXX		0
Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
Credit A&H							0	XXX	XXX	XXX		0
Disability income	(d)						0	XXX	XXX	XXX		0
Long-term care	(d)	193,699					0	XXX	XXX	XXX	62,199	62,199
Other health	(d)	0					0	XXX	XXX	XXX		0
Total Accident and Health		225,331	0	0	0	0	0	XXX	XXX	XXX	80,960	80,960
Total	193,146,519 (c)	0	0	0	0	0	0	33,715,883	543,800	126,983,895	80,960	161,324,538



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Washington DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....10,958							0	33,920	728	2,742		37,390
3. Term .....222,523							0	420,000	100,000	0		520,000
4. Indexed							0					0
5. Universal .....59,538							0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	293,019	0	0	0	0	0	0	453,920	100,728	2,742	0	557,390
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....56,923,296							0	13,539,390		10,472,230		24,011,619
21. Indexed .....93,023,822							0	23,649,671		144,427,372		168,077,043
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout .....26,808,923							0	17,137,557		256,481		17,394,038
25. Other .....(f)							0					0
26. Total Individual Annuities	176,756,041	0	0	0	0	0	0	54,326,618	0	155,156,082	0	209,482,701
Group Annuities												
27. Fixed .....67,803							0	107,948		1,307,592		1,415,540
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout .....0							0	901,188		39,136		940,323
32. Other .....(f)							0					0
33. Total Group Annuities	67,803	0	0	0	0	0	0	1,009,136	0	1,346,727	0	2,355,863
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	0						0	XXX	XXX	XXX	0	0
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	104						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	148,789						0	XXX	XXX	XXX	205,389	205,389
45. Other health .....(d)	0						0	XXX	XXX	XXX		0
46. Total Accident and Health	148,893	0	0	0	0	0	0	XXX	XXX	XXX	205,389	205,389
47. Total	177,265,756 (c)	0	0	0	0	0	0	55,789,674	100,728	156,505,551	205,389	212,601,342



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF West Virginia DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0	0	0	0		0
2. Whole 9,004							0	0	0	0		0
3. Term 35,683							0	50,000	24,400	0		74,400
4. Indexed							0					0
5. Universal 63,352							0	0	0	39		39
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other (f)							0					0
11. Total Individual Life	108,039	0	0	0	0	0	0	50,000	24,400	39	0	74,439
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other (f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed 22,090,190							0	2,381,146		4,998,368		7,379,513
21. Indexed 27,170,342							0	5,306,490		38,452,538		43,759,029
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	20,892		0		20,892
25. Other (f)							0					0
26. Total Individual Annuities	49,260,532	0	0	0	0	0	0	7,708,527	0	43,450,906	0	51,159,434
Group Annuities												
27. Fixed 1							0	3,305		3,200		6,505
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	194,695		0		194,695
32. Other (f)							0					0
33. Total Group Annuities	1	0	0	0	0	0	0	198,000	0	3,200	0	201,200
Accident and Health												
34. Comprehensive individual (d)							0	XXX	XXX	XXX		0
35. Comprehensive group (d)							0	XXX	XXX	XXX		0
36. Medicare Supplement (d)	5,981						0	XXX	XXX	XXX	1,057	1,057
37. Vision only (d)							0	XXX	XXX	XXX		0
38. Dental only (d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan (d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare (d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid (d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income (d)	0						0	XXX	XXX	XXX		0
44. Long-term care (d)	0						0	XXX	XXX	XXX	0	0
45. Other health (d)	42						0	XXX	XXX	XXX		0
46. Total Accident and Health	6,023	0	0	0	0	0	0	XXX	XXX	XXX	1,057	1,057
47. Total	49,374,595 (c)	0	0	0	0	0	0	7,956,528	24,400	43,454,145	1,057	51,436,130



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Wisconsin DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....52,080							0	25,323	0	4,710		30,033
3. Term .....125,200							0	0	163,000	0		163,000
4. Indexed							0					0
5. Universal .....40,531							0	50,000	0	9		50,009
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	217,811	0	0	0	0	0	0	75,323	163,000	4,718	0	243,041
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....100,914,091							0	6,049,775		7,790,432		13,840,207
21. Indexed .....79,895,797							0	9,863,983		112,505,939		122,369,922
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout							0	324,577		0		324,577
25. Other .....(f)							0					0
26. Total Individual Annuities	180,809,888	0	0	0	0	0	0	16,238,336	0	120,296,371	0	136,534,707
Group Annuities												
27. Fixed	0						0	23,031		117,460		140,490
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	3,971,623		47,720		4,019,343
32. Other .....(f)							0					0
33. Total Group Annuities	0	0	0	0	0	0	0	3,994,653	0	165,180	0	4,159,833
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	47,249						0	XXX	XXX	XXX	67,361	67,361
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)							0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	214,053						0	XXX	XXX	XXX	284,338	284,338
45. Other health .....(d)	68						0	XXX	XXX	XXX		0
46. Total Accident and Health	261,370	0	0	0	0	0	0	XXX	XXX	XXX	351,699	351,699
47. Total	181,289,069 (c)	0	0	0	0	0	0	20,308,312	163,000	120,466,269	351,699	141,289,281



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Wyoming DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	42						0	0	0	0		0
3. Term	16,598						0	0	0	0		0
4. Indexed							0					0
5. Universal	5,012						0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	21,652	0	0	0	0	0	0	0	0	0	0	0
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	1,835,665						0	280,849		847,254		1,128,103
21. Indexed	5,739,283						0	730,435		8,921,573		9,652,007
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	42,995		0		42,995
25. Other	(f)						0					0
26. Total Individual Annuities	7,574,948	0	0	0	0	0	0	1,054,278	0	9,768,827	0	10,823,106
Group Annuities												
27. Fixed	0						0	0		2,119		2,119
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	16,065		0		16,065
32. Other	(f)						0					0
33. Total Group Annuities	0	0	0	0	0	0	0	16,065	0	2,119	0	18,184
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
45. Other health	(d)						0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	7,596,600 (c)	0	0	0	0	0	0	1,070,344	0	9,770,947	0	10,841,290

24.WY



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF American Samoa DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	Claims and Benefits Paid			
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other			9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0	0	0	0		0
2. Whole	0						0	0	0	0		0
3. Term	0						0	0	0	0		0
4. Indexed							0					0
5. Universal	0						0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	0	0	0	0	0	0	0	0	0	0	0	0
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	0						0	0		0		0
21. Indexed	0						0	0		0		0
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	0		0		0
25. Other	(f)						0					0
26. Total Individual Annuities	0	0	0	0	0	0	0	0	0	0	0	0
Group Annuities												
27. Fixed	0						0	0		0		0
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	0		0		0
32. Other	(f)						0					0
33. Total Group Annuities	0	0	0	0	0	0	0	0	0	0	0	0
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
45. Other health	(d)	0					0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	0 (c)	0	0	0	0	0	0	0	0	0	0	0

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code		0435		BUSINESS IN THE STATE OF		American Samoa		DURING THE YEAR		2023		NAIC Company Code		63312			
Line of Business		13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								22 Unpaid December 31, Current Year	Policy Exhibit		In Force December 31, Current Year (b)			
			Claims Settled During Current Year				Total Settled During Current Year					Issued During Year		Other Changes to In Force (Net)			
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount
Individual Life																	
1. Industrial																	
2. Whole .....0																	
3. Term .....0																	
4. Indexed																	
5. Universal .....0																	
6. Universal with secondary guarantees																	
7. Variable																	
8. Variable universal																	
9. Credit																	
10. Other .....(f)																	
11. Total Individual Life		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Group Life																	
12. Whole .....0																	
13. Term																	
14. Universal																	
15. Variable																	
16. Variable universal																	
17. Credit																	
18. Other .....(f)															(a)		
19. Total Group Life		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Individual Annuities																	
20. Fixed .....0																	
21. Indexed .....0																	
22. Variable with guarantees																	
23. Variable without guarantees																	
24. Life contingent payout																	
25. Other .....(f)																	
26. Total Individual Annuities		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Group Annuities																	
27. Fixed .....0																	
28. Indexed																	
29. Variable with guarantees																	
30. Variable without guarantees																	
31. Life contingent payout																	
32. Other .....(f)																	
33. Total Group Annuities		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Accident and Health																	
34. Comprehensive individual .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
35. Comprehensive group .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
36. Medicare Supplement .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0		
37. Vision only .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
38. Dental only .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
39. Federal Employees Health Benefits Plan .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
40. Title XVIII Medicare .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
41. Title XIX Medicaid .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX						
43. Disability income .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0		
44. Long-term care .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0		
45. Other health .....(d)		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX		0	0	0		
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	0		
47. TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0		

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:	Column 1) \$	Column 7) \$	Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:	Column 1) \$	Column 7) \$	Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:	Column 1) \$	Column 7) \$	Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:	Column 1) \$	Column 7) \$	Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Guam		DURING THE YEAR 2023				NAIC Company Code 63312				
Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0	0	0	0		0
2. Whole	2,764						0	0	0	0		0
3. Term	23,977						0	0	0	0		0
4. Indexed							0					0
5. Universal	53,584						0	150,000	0	11,869		161,869
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	80,325	0	0	0	0	0	0	150,000	0	11,869	0	161,869
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	0						0	0		0		0
21. Indexed	0						0	0		0		0
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	0		0		0
25. Other	(f)						0					0
26. Total Individual Annuities	0	0	0	0	0	0	0	0	0	0	0	0
Group Annuities												
27. Fixed	0						0	5,477		0		5,477
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	1,369		0		1,369
32. Other	(f)						0					0
33. Total Group Annuities	0	0	0	0	0	0	0	6,846	0	0	0	6,846
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
45. Other health	(d)	0					0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	80,325 (c)	0	0	0	0	0	0	156,846	0	11,869	0	168,715

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Guam		DURING THE YEAR 2023							NAIC Company Code 63312						
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit					
		Claims Settled During Current Year								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)		
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28	
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount		Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	
Individual Life																	
1. Industrial								0	0								
2. Whole	0	0	0	0	0	0	0	0	0	0					2	125,000	
3. Term	0	0	0	0	0	0	0	0	0	0			(1)	(101,000)	16	4,670,000	
4. Indexed								0	0								
5. Universal	0	1	150,000	0	0	0	0	1	150,000	0			(5)	(618,411)	72	12,572,959	
6. Universal with secondary guarantees								0	0								
7. Variable								0	0								
8. Variable universal								0	0								
9. Credit								0	0								
10. Other	(f)							0	0								
11. Total Individual Life	0	1	150,000	0	0	0	0	1	150,000	0	0	0	(6)	(719,411)	90	17,367,959	
Group Life																	
12. Whole	0	0	0					0	0	0							
13. Term								0	0								
14. Universal								0	0								
15. Variable								0	0								
16. Variable universal								0	0								
17. Credit								0	0								
18. Other	(f)							0	0							(a)	
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Individual Annuities																	
20. Fixed	(13,901)	1	0					1	0	0				(21,271)	2	37,757	
21. Indexed	0	0	0					0	0	0							
22. Variable with guarantees								0	0								
23. Variable without guarantees								0	0								
24. Life contingent payout	0	0	0					0	0								
25. Other	(f)							0	0								
26. Total Individual Annuities	(13,901)	1	0	0	0	0	0	1	0	0	0	0	0	(21,271)	2	37,757	
Group Annuities																	
27. Fixed	3,036	1	5,477					1	5,477	0				1,001	1	26,018	
28. Indexed								0	0								
29. Variable with guarantees								0	0								
30. Variable without guarantees								0	0								
31. Life contingent payout								0	0					(717)	1	13,468	
32. Other	(f)							0	0								
33. Total Group Annuities	3,036	1	5,477	0	0	0	0	1	5,477	0	0	0	0	284	2	39,486	
Accident and Health																	
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX							
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0	
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	0	0	0	
47. TOTAL	(10,865)	3	155,477	0	0	0	0	3	155,477	0	0	0	(6)	(740,398)	94	17,445,202	

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Puerto Rico DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members					Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other	7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole .....433							0	10,000	0	0		10,000
3. Term	0						0	0	0	0		0
4. Indexed							0					0
5. Universal .....0							0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other .....(f)							0					0
11. Total Individual Life	433	0	0	0	0	0	0	10,000	0	0	0	10,000
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other .....(f)							0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....20,000							0	59,543		113,348		172,891
21. Indexed .....0							0	109,331		458,340		567,672
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	0		0		0
25. Other .....(f)							0					0
26. Total Individual Annuities	20,000	0	0	0	0	0	0	168,874	0	571,688	0	740,562
Group Annuities												
27. Fixed .....0							0	0		0		0
28. Indexed .....0							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	177,467		0		177,467
32. Other .....(f)							0					0
33. Total Group Annuities	0	0	0	0	0	0	0	177,467	0	0	0	177,467
Accident and Health												
34. Comprehensive individual .....(d)							0	XXX	XXX	XXX		0
35. Comprehensive group .....(d)							0	XXX	XXX	XXX		0
36. Medicare Supplement .....(d)	0						0	XXX	XXX	XXX	0	0
37. Vision only .....(d)							0	XXX	XXX	XXX		0
38. Dental only .....(d)							0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan .....(d)							0	XXX	XXX	XXX		0
40. Title XVIII Medicare .....(d)	(e)						0	XXX	XXX	XXX		0
41. Title XIX Medicaid .....(d)							0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income .....(d)	0						0	XXX	XXX	XXX		0
44. Long-term care .....(d)	0						0	XXX	XXX	XXX	0	0
45. Other health .....(d)							0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	20,433 (c)	0	0	0	0	0	0	356,341	0	571,688	0	928,029

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		Puerto Rico		DURING THE YEAR		2023		NAIC Company Code		63312									
Line of Business	13 Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits								Policy Exhibit											
		Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)					
		Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount					
		14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount												
Individual Life																					
1. Industrial								0	0												
2. Whole	0	1	10,000	0	0	0	0	1	10,000	0				(2)	(20,000)	3	18,000				
3. Term	0		0		0		0		0	0											
4. Indexed								0	0												
5. Universal	0	0	0	0	0		0	0	0	0											
6. Universal with secondary guarantees								0	0												
7. Variable								0	0												
8. Variable universal								0	0												
9. Credit								0	0												
10. Other	(f)							0	0												
11. Total Individual Life	0	1	10,000	0	0	0	0	1	10,000	0	0	0	(2)	(20,000)	3	18,000					
Group Life																					
12. Whole	0	0	0					0	0	0											
13. Term								0	0												
14. Universal								0	0												
15. Variable								0	0												
16. Variable universal								0	0												
17. Credit								0	0												
18. Other	(f)							0	0								(a)				
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Individual Annuities																					
20. Fixed	55,759	1	59,543					1	59,543	0					(71,714)	8	406,559				
21. Indexed	109,331	0	109,331					0	109,331	0			(1)	(334,927)	10	1,042,539					
22. Variable with guarantees								0	0												
23. Variable without guarantees								0	0												
24. Life contingent payout	0	0	0					0	0												
25. Other	(f)							0	0												
26. Total Individual Annuities	165,090	1	168,874	0	0	0	0	1	168,874	0	0	0	(1)	(406,641)	18	1,449,098					
Group Annuities																					
27. Fixed	0	0	0					0	0	0				1	2,563	6	18,661				
28. Indexed								0	0												
29. Variable with guarantees								0	0												
30. Variable without guarantees								0	0												
31. Life contingent payout								0	0				(1)	(114,365)	51	2,035,332					
32. Other	(f)							0	0												
33. Total Group Annuities	0	0	0	0	0	0	0	0	0	0	0	0	0	(111,802)	57	2,053,993					
Accident and Health																					
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
47. TOTAL		165,090	2	178,874	0	0	0	2	178,874	0	0	0	(3)	(538,443)	78	3,521,091					

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 0 Group: \$ _____ Total: \$ _____ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

2. Group Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

3. Individual Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

4. Group Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF U.S. Virgin Islands DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	0						0	0	0	0		0
3. Term	1,269						0	0	0	0		0
4. Indexed							0					0
5. Universal	352						0	175,000	0	0		175,000
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	1,621	0	0	0	0	0	0	175,000	0	0	0	175,000
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	0						0	30,670		3,747		34,417
21. Indexed	0						0	0		50,399		50,399
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	0		0		0
25. Other	(f)						0					0
26. Total Individual Annuities	0	0	0	0	0	0	0	30,670	0	54,146	0	84,816
Group Annuities												
27. Fixed	0						0	0		0		0
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	2,712		0		2,712
32. Other	(f)						0					0
33. Total Group Annuities	0	0	0	0	0	0	0	2,712	0	0	0	2,712
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
45. Other health	(d)						0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	1,621 (c)	0	0	0	0	0	0	208,382	0	54,146	0	262,528

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code	0435	BUSINESS IN THE STATE OF		U.S. Virgin Islands		DURING THE YEAR		2023	NAIC Company Code		63312											
Line of Business	Incurred During Current Year	Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit										
		13	Claims Settled During Current Year								22	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)						
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23	24	25	26	27	28					
			14	15	16	17	18	19	20	21												
			Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Unpaid December 31, Current Year	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount	Number of Pols/ Certs	Amount					
Individual Life																						
1. Industrial									0	0												
2. Whole	0		0	0	0	0	0	0	0	0	0											
3. Term	0		0	0	0	0	0	0	0	0	0					3	1,350,000					
4. Indexed									0	0												
5. Universal	175,000		1	175,000	0	0	0	0	1	175,000	0			(1)	(175,000)							
6. Universal with secondary guarantees									0	0												
7. Variable									0	0												
8. Variable universal									0	0												
9. Credit									0	0												
10. Other	(f)								0	0												
11. Total Individual Life	175,000		1	175,000	0	0	0	0	1	175,000	0	0	0	(1)	(175,000)	3	1,350,000					
Group Life																						
12. Whole	0		0	0					0	0	0											
13. Term									0	0												
14. Universal									0	0												
15. Variable									0	0												
16. Variable universal									0	0												
17. Credit									0	0												
18. Other	(f)								0	0							(a)					
19. Total Group Life	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Individual Annuities																						
20. Fixed	30,284		0	30,284					0	30,284	0			2	225,205	12	378,663					
21. Indexed	0		0	0					0	0	0				(37,296)	5	779,224					
22. Variable with guarantees									0	0												
23. Variable without guarantees									0	0												
24. Life contingent payout	0		0	0					0	0												
25. Other	(f)								0	0												
26. Total Individual Annuities	30,284		0	30,284	0	0	0	0	0	30,284	0	0	0	2	187,909	17	1,157,887					
Group Annuities																						
27. Fixed	0		0	0					0	0	0			1	6,182	4	76,687					
28. Indexed									0	0												
29. Variable with guarantees									0	0												
30. Variable without guarantees									0	0												
31. Life contingent payout									0	0					(1,327)	1	44,065					
32. Other	(f)								0	0												
33. Total Group Annuities	0		0	0	0	0	0	0	0	0	0	0	0	1	4,855	5	120,752					
Accident and Health																						
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX											
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0					
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	0	0	0					
47. TOTAL		205,284	1	205,284	0	0	0	0	1	205,284	0	0	0	2	17,764	25	2,628,639					

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Northern Mariana Islands DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	Claims and Benefits Paid			
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other			9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0					0
2. Whole	0						0	0	0	0		0
3. Term	0						0	0	0	0		0
4. Indexed							0					0
5. Universal	0						0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	0	0	0	0	0	0	0	0	0	0	0	0
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	0						0	0		0		0
21. Indexed	0						0	0		0		0
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	0		0		0
25. Other	(f)						0					0
26. Total Individual Annuities	0	0	0	0	0	0	0	0	0	0	0	0
Group Annuities												
27. Fixed	0						0	0		0		0
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	0		0		0
32. Other	(f)						0					0
33. Total Group Annuities	0	0	0	0	0	0	0	0	0	0	0	0
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
45. Other health	(d)	0					0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	0 (c)	0	0	0	0	0	0	0	0	0	0	0

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Northern Mariana Islands		DURING THE YEAR 2023		NAIC Company Code 63312														
Line of Business		Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits										Policy Exhibit								
		13 Incurred During Current Year	Claims Settled During Current Year								22 Unpaid December 31, Current Year	Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)				
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year			23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount			
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount										
Individual Life																				
1. Industrial									0	0										
2. Whole		0	0	0	0	0	0	0	0	0	0									
3. Term		0	0	0	0	0	0	0	0	0	0									
4. Indexed									0	0										
5. Universal		0	0	0	0	0	0	0	0	0	0									
6. Universal with secondary guarantees									0	0										
7. Variable									0	0										
8. Variable universal									0	0										
9. Credit									0	0										
10. Other	(f)								0	0										
11. Total Individual Life		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Group Life																				
12. Whole		0	0	0					0	0	0									
13. Term									0	0										
14. Universal									0	0										
15. Variable									0	0										
16. Variable universal									0	0										
17. Credit									0	0										
18. Other	(f)								0	0							(a)			
19. Total Group Life		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Individual Annuities																				
20. Fixed		0	0	0					0	0	0									
21. Indexed		0	0	0					0	0	0									
22. Variable with guarantees									0	0										
23. Variable without guarantees									0	0										
24. Life contingent payout		0	0	0					0	0										
25. Other	(f)								0	0										
26. Total Individual Annuities		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Group Annuities																				
27. Fixed		0	0	0					0	0	0									
28. Indexed									0	0										
29. Variable with guarantees									0	0										
30. Variable without guarantees									0	0										
31. Life contingent payout									0	0										
32. Other	(f)								0	0										
33. Total Group Annuities		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Accident and Health																				
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0			
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX									
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0			
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0			
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX			0	0	0	0			
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	0	0	0			
47. TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$ _____, current year \$ _____ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$ _____, current year \$ _____

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: _____ 2) covering number of lives: _____ 3) face amount \$ _____

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ _____ 0 Group: \$ _____ Total: \$ _____0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products _____ and number of persons insured under indemnity only products _____

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$ _____

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

2. Group Life - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

3. Individual Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____

4. Group Annuities - Other includes the following amounts related to Separate Account policies:

Column 1) \$ _____ Column 7) \$ _____ Column 12) \$ _____



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Canada DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	Claims and Benefits Paid				
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other		8 Death and Annuity Benefits	9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial							0	0	0	0		0
2. Whole	0						0	0	0	0		0
3. Term	0						0	0	0	0		0
4. Indexed							0					0
5. Universal	0						0	0	0	0		0
6. Universal with secondary guarantees							0					0
7. Variable							0					0
8. Variable universal							0					0
9. Credit							0					0
10. Other	(f)						0					0
11. Total Individual Life	0	0	0	0	0	0	0	0	0	0	0	0
Group Life												
12. Whole							0	0	0	0		0
13. Term							0	0	0	0		0
14. Universal							0	0	0	0		0
15. Variable							0					0
16. Variable universal							0					0
17. Credit							0					0
18. Other	(f)						0					0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed	0						0	0		0		0
21. Indexed	0						0	0		0		0
22. Variable with guarantees							0					0
23. Variable without guarantees							0					0
24. Life contingent payout	0						0	0		0		0
25. Other	(f)						0					0
26. Total Individual Annuities	0	0	0	0	0	0	0	0	0	0	0	0
Group Annuities												
27. Fixed	0						0	0		0		0
28. Indexed							0					0
29. Variable with guarantees							0					0
30. Variable without guarantees							0					0
31. Life contingent payout	0						0	0		0		0
32. Other	(f)						0					0
33. Total Group Annuities	0	0	0	0	0	0	0	0	0	0	0	0
Accident and Health												
34. Comprehensive individual	(d)						0	XXX	XXX	XXX		0
35. Comprehensive group	(d)						0	XXX	XXX	XXX		0
36. Medicare Supplement	(d)	0					0	XXX	XXX	XXX	0	0
37. Vision only	(d)						0	XXX	XXX	XXX		0
38. Dental only	(d)						0	XXX	XXX	XXX		0
39. Federal Employees Health Benefits Plan	(d)						0	XXX	XXX	XXX		0
40. Title XVIII Medicare	(d)	(e)					0	XXX	XXX	XXX		0
41. Title XIX Medicaid	(d)						0	XXX	XXX	XXX		0
42. Credit A&H							0	XXX	XXX	XXX		0
43. Disability income	(d)	0					0	XXX	XXX	XXX		0
44. Long-term care	(d)	0					0	XXX	XXX	XXX	0	0
45. Other health	(d)	0					0	XXX	XXX	XXX		0
46. Total Accident and Health	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	0 (c)	0	0	0	0	0	0	0	0	0	0	0

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE) (Continued)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF Canada		DURING THE YEAR 2023							NAIC Company Code 63312												
Line of Business		Direct Death Benefits, Matured Endowments Incurred and Annuity Benefits																					
		13 Incurred During Current Year	Claims Settled During Current Year								22		Issued During Year		Other Changes to In Force (Net)		In Force December 31, Current Year (b)						
			Totals Paid		Reduction by Compromise		Amount Rejected		Total Settled During Current Year		Unpaid December 31, Current Year	23 Number of Pols/ Certs	24 Amount	25 Number of Pols/ Certs	26 Amount	27 Number of Pols/ Certs	28 Amount						
			14 Number of Pols/ Certs	15 Amount	16 Number of Pols/ Certs	17 Amount	18 Number of Pols/ Certs	19 Amount	20 Number of Pols/ Certs	21 Amount													
Individual Life																							
1. Industrial									0	0													
2. Whole		0	0	0	0	0	0	0	0	0	0												
3. Term		0	0	0	0	0	0	0	0	0	0												
4. Indexed									0	0													
5. Universal		0	0	0	0	0	0	0	0	0	0												
6. Universal with secondary guarantees									0	0													
7. Variable									0	0													
8. Variable universal									0	0													
9. Credit									0	0													
10. Other	(f)								0	0													
11. Total Individual Life		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Group Life																							
12. Whole		0	0	0					0	0	0												
13. Term									0	0													
14. Universal									0	0													
15. Variable									0	0													
16. Variable universal									0	0													
17. Credit									0	0													
18. Other	(f)								0	0							(a)						
19. Total Group Life		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Individual Annuities																							
20. Fixed		0	0	0					0	0	0												
21. Indexed		0	0	0					0	0	0												
22. Variable with guarantees									0	0													
23. Variable without guarantees									0	0													
24. Life contingent payout		0	0	0					0	0													
25. Other	(f)								0	0													
26. Total Individual Annuities		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Group Annuities																							
27. Fixed		0	0	0					0	0	0												
28. Indexed									0	0													
29. Variable with guarantees									0	0													
30. Variable without guarantees									0	0													
31. Life contingent payout									0	0													
32. Other	(f)								0	0													
33. Total Group Annuities		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Accident and Health																							
34. Comprehensive individual	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
35. Comprehensive group	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
36. Medicare Supplement	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX				0	0	0						
37. Vision only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
38. Dental only	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
39. Federal Employees Health Benefits Plan	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
40. Title XVIII Medicare	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
41. Title XIX Medicaid	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
42. Credit A&H		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX												
43. Disability income	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX				0	0	0						
44. Long-term care	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX				0	0	0						
45. Other health	(d)	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX				0	0	0						
46. Total Accident and Health		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0	0	0	0	0	0						
47. TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						

(a) Includes Group Credit Life Insurance Loans less than or equal to 60 months at issue, prior year \$, current year \$ Loans greater than 60 months at issue BUT NOT GREATER THAN 120 MONTHS prior year \$, current year \$

(b) Corporate Owned Life Insurance/BOLI: 1) Number of policies: 2) covering number of lives: 3) face amount \$

(c) Deposit-Type Contract Considerations NOT included in Total Premiums and Annuities Considerations: Individual: \$ 0 Group: \$ Total: \$ 0

(d) For health business on indicated lines report: Number of persons insured under PPO managed care products and number of persons insured under indemnity only products

(e) For health premiums written: amount of Medicare Title XVIII exempt from state taxes or fees \$

(f) Certain Separate Account products are included in "Other" product categories in the table(s) above:

1. Individual Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
2. Group Life - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
3. Individual Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$
4. Group Annuities - Other includes the following amounts related to Separate Account policies:
- Column 1) \$ Column 7) \$ Column 12) \$



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435 BUSINESS IN THE STATE OF Other Aliens DURING THE YEAR 2023 NAIC Company Code 63312

Line of Business	1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	Claims and Benefits Paid			
			3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other			9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life												
1. Industrial	0	0	0	0	0	0	0	0	0	0	0	0
2. Whole .....86	0	0	0	0	0	0	0	10,000	0	0	0	10,000
3. Term .....25,696	0	0	0	0	0	0	0	0	0	0	0	0
4. Indexed .....0	0	0	0	0	0	0	0	0	0	0	0	0
5. Universal .....50,734	0	0	0	0	0	0	0	0	0	5,583	0	5,583
6. Universal with secondary guarantees	0	0	0	0	0	0	0	0	0	0	0	0
7. Variable .....0	0	0	0	0	0	0	0	0	0	0	0	0
8. Variable universal	0	0	0	0	0	0	0	0	0	0	0	0
9. Credit	0	0	0	0	0	0	0	0	0	0	0	0
10. Other .....(f)	0	0	0	0	0	0	0	0	0	0	0	0
11. Total Individual Life	76,516	0	0	0	0	0	0	10,000	0	5,583	0	15,583
Group Life												
12. Whole .....0	0	0	0	0	0	0	0	0	0	0	0	0
13. Term .....0	0	0	0	0	0	0	0	0	0	0	0	0
14. Universal .....0	0	0	0	0	0	0	0	0	0	0	0	0
15. Variable .....0	0	0	0	0	0	0	0	0	0	0	0	0
16. Variable universal	0	0	0	0	0	0	0	0	0	0	0	0
17. Credit	0	0	0	0	0	0	0	0	0	0	0	0
18. Other .....(f)	0	0	0	0	0	0	0	0	0	0	0	0
19. Total Group Life	0	0	0	0	0	0	0	0	0	0	0	0
Individual Annuities												
20. Fixed .....344,666	0	0	0	0	0	0	0	2,333,699	0	.857,929	0	3,191,628
21. Indexed .....0	0	0	0	0	0	0	0	1,705,653	0	1,603,530	0	3,309,183
22. Variable with guarantees	0	0	0	0	0	0	0	0	0	0	0	0
23. Variable without guarantees	0	0	0	0	0	0	0	0	0	0	0	0
24. Life contingent payout	0	0	0	0	0	0	0	18,089	0	0	0	18,089
25. Other .....(f)	0	0	0	0	0	0	0	0	0	0	0	0
26. Total Individual Annuities	344,666	0	0	0	0	0	0	4,057,441	0	2,461,460	0	6,518,901
Group Annuities												
27. Fixed .....0	0	0	0	0	0	0	0	0	0	11,123	0	11,123
28. Indexed .....0	0	0	0	0	0	0	0	0	0	0	0	0
29. Variable with guarantees	0	0	0	0	0	0	0	0	0	0	0	0
30. Variable without guarantees	0	0	0	0	0	0	0	0	0	0	0	0
31. Life contingent payout	(187,157)	0	0	0	0	0	0	144,879	0	0	0	144,879
32. Other .....(f)	0	0	0	0	0	0	0	0	0	0	0	0
33. Total Group Annuities	(187,157)	0	0	0	0	0	0	144,879	0	11,123	0	156,003
Accident and Health												
34. Comprehensive individual .....(d)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
35. Comprehensive group .....(d)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
36. Medicare Supplement .....625	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
37. Vision only .....(d)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
38. Dental only .....(d)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
39. Federal Employees Health Benefits Plan .....(d)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
40. Title XVIII Medicare .....(d) 0 (e)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
41. Title XIX Medicaid .....(d)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
42. Credit A&H .....0	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
43. Disability income .....(d)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
44. Long-term care .....(d)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
45. Other health .....(d)	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
46. Total Accident and Health	625	0	0	0	0	0	0	XXX	XXX	XXX	0	0
47. Total	234,650 (c)	0	0	0	0	0	0	4,212,320	0	2,478,166	0	6,690,486

24.OT



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

LIFE INSURANCE (STATE PAGE)^(b)

NAIC Group Code 0435		BUSINESS IN THE STATE OF		Grand Total		DURING THE YEAR 2023				NAIC Company Code 63312			
Line of Business		1 Premiums and Annuities Considerations	2 Other Considerations	Dividends to Policyholders/Refunds to Members				7 Total (Col. 3+4+5+6)	8 Death and Annuity Benefits	Claims and Benefits Paid			
				3 Paid in Cash or Left on Deposit	4 Applied to Pay Renewal Premiums	5 Applied to Provide Paid-Up Additions or Shorten the Endowment or Premium-Paying Period	6 Other			9 Matured Endowments	10 Surrender Values and Withdrawals for Life Contracts	11 All Other Benefits	12 Total (Sum Columns 8 through 11)
Individual Life													
1.	Industrial	0	0	0	0	0	0	0	0	0	0	0	0
2.	Whole	1,470,716	0	0	0	0	0	0	2,403,622	29,089	352,116	0	2,784,826
3.	Term	12,613,919	0	0	0	0	0	0	20,200,625	11,838,130	128,110	0	32,166,865
4.	Indexed	0	0	0	0	0	0	0	0	0	0	0	0
5.	Universal	6,538,433	0	0	0	0	0	0	7,663,350	0	2,788,575	0	10,451,924
6.	Universal with secondary guarantees	0	0	0	0	0	0	0	0	0	0	0	0
7.	Variable	0	0	0	0	0	0	0	0	0	0	0	0
8.	Variable universal	0	0	0	0	0	0	0	0	0	0	0	0
9.	Credit	0	0	0	0	0	0	0	0	0	0	0	0
10.	Other	(f) 0	0	0	0	0	0	0	0	0	0	0	0
11.	Total Individual Life	20,623,068	0	0	0	0	0	0	30,267,596	11,867,219	3,268,801	0	45,403,616
Group Life													
12.	Whole	0	0	0	0	0	0	0	1,049,063	23,378	10,328	0	1,082,769
13.	Term	0	0	0	0	0	0	0	433	0	0	0	433
14.	Universal	0	0	0	0	0	0	0	0	0	0	0	0
15.	Variable	0	0	0	0	0	0	0	0	0	0	0	0
16.	Variable universal	0	0	0	0	0	0	0	0	0	0	0	0
17.	Credit	0	0	0	0	0	0	0	0	0	0	0	0
18.	Other	(f) 0	0	0	0	0	0	0	0	0	0	0	0
19.	Total Group Life	0	0	0	0	0	0	0	1,049,497	23,378	10,328	0	1,083,202
Individual Annuities													
20.	Fixed	4,420,597,530	0	0	0	0	0	0	498,488,953	0	968,922,153	0	1,467,411,106
21.	Indexed	4,288,056,542	0	0	0	0	0	0	730,953,572	0	5,171,503,862	0	5,902,457,434
22.	Variable with guarantees	0	0	0	0	0	0	0	0	0	0	0	0
23.	Variable without guarantees	0	0	0	0	0	0	0	0	0	0	0	0
24.	Life contingent payout	38,131,054	0	0	0	0	0	0	50,952,789	0	1,447,766	0	52,400,555
25.	Other	(f) 0	0	0	0	0	0	0	0	0	0	0	0
26.	Total Individual Annuities	8,746,785,126	0	0	0	0	0	0	1,280,395,314	0	6,141,873,781	0	7,422,269,095
Group Annuities													
27.	Fixed	5,259,001	0	0	0	0	0	0	9,002,261	0	62,916,612	0	71,918,872
28.	Indexed	0	0	0	0	0	0	0	0	0	0	0	0
29.	Variable with guarantees	0	0	0	0	0	0	0	0	0	0	0	0
30.	Variable without guarantees	0	0	0	0	0	0	0	0	0	0	0	0
31.	Life contingent payout	390,267	0	0	0	0	0	0	66,884,057	0	1,047,336	0	67,931,394
32.	Other	(f) 0	0	0	0	0	0	0	0	0	0	0	0
33.	Total Group Annuities	5,649,268	0	0	0	0	0	0	75,886,318	0	63,963,948	0	139,850,266
Accident and Health													
34.	Comprehensive individual	(d) 0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
35.	Comprehensive group	(d) 0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
36.	Medicare Supplement	(d) 1,843,249	0	0	0	0	0	0	XXX	XXX	XXX	1,355,246	1,355,246
37.	Vision only	(d) 0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
38.	Dental only	(d) 0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
39.	Federal Employees Health Benefits Plan	(d) 0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
40.	Title XVIII Medicare	(d) 0 (e) 0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
41.	Title XIX Medicaid	(d) 0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
42.	Credit A&H	0	0	0	0	0	0	0	XXX	XXX	XXX	0	0
43.	Disability income	(d) 1,196	0	0	0	0	0	0	XXX	XXX	XXX	6,130	6,130
44.	Long-term care	(d) 2,591,844	0	0	0	0	0	0	XXX	XXX	XXX	2,791,733	2,791,733
45.	Other health	(d) 1,944	0	0	0	0	0	0	XXX	XXX	XXX	0	0
46.	Total Accident and Health	4,438,233	0	0	0	0	0	0	XXX	XXX	XXX	4,153,109	4,153,109
47.	Total	8,777,495,695 (c)	0	0	0	0	0	0	1,387,598,725	11,890,597	6,209,116,857	4,153,109	7,612,759,287

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

FORM FOR CALCULATING THE INTEREST MAINTENANCE RESERVE

INTEREST MAINTENANCE RESERVE		1 Amount
1. Reserve as of December 31, Prior Year		93,254,042
2. Current year's realized pre-tax capital gains/(losses) of \$ (448,665,786) transferred into the reserve net of taxes of \$ (94,263,851)		(354,401,935)
3. Adjustment for current year's liability gains/(losses) released from the reserve		0
4. Balance before reduction for amount transferred to Summary of Operations (Line 1 + Line 2 + Line 3)		(261,147,893)
5. Current year's amortization released to Summary of Operations (Amortization, Line 1, Column 4)		10,386,002
6. Reserve as of December 31, current year (Line 4 minus Line 5)		(271,533,895)

AMORTIZATION				
Year of Amortization	1 Reserve as of December 31, Prior Year	2 Current Year's Realized Capital Gains/(Losses) Transferred into the Reserve Net of Taxes	3 Adjustment for Current Year's Liability Gains/(Losses) Released From the Reserve	4 Balance Before Reduction for Current Year's Amortization (Cols. 1 + 2 + 3)
1. 2023	35,202,358	(24,816,356)	0	10,386,002
2. 2024	27,207,428	(43,018,583)	0	(15,811,155)
3. 2025	17,629,501	(36,906,691)	0	(19,277,190)
4. 2026	9,382,508	(34,230,321)	0	(24,847,812)
5. 2027	1,754,475	(31,707,492)	0	(29,953,017)
6. 2028	(1,413,047)	(28,474,734)	0	(29,887,781)
7. 2029	(1,229,197)	(24,937,705)	0	(26,166,902)
8. 2030	(589,562)	(20,581,982)	0	(21,171,544)
9. 2031	(161,994)	(15,678,755)	0	(15,840,749)
10. 2032	726,021	(10,962,080)	0	(10,236,059)
11. 2033	1,188,265	(5,796,785)	0	(4,608,519)
12. 2034	1,018,903	(3,239,875)	0	(2,220,972)
13. 2035	765,484	(3,302,224)	0	(2,536,740)
14. 2036	562,799	(3,368,133)	0	(2,805,334)
15. 2037	420,423	(3,613,001)	0	(3,192,578)
16. 2038	327,221	(3,571,901)	0	(3,244,680)
17. 2039	253,115	(3,835,520)	0	(3,582,405)
18. 2040	171,212	(3,918,637)	0	(3,747,425)
19. 2041	145,439	(4,192,986)	0	(4,047,547)
20. 2042	121,745	(4,281,150)	0	(4,159,406)
21. 2043	59,946	(4,552,526)	0	(4,492,580)
22. 2044	40,419	(4,708,110)	0	(4,667,691)
23. 2045	42,799	(4,835,204)	0	(4,792,405)
24. 2046	(12,855)	(4,957,250)	0	(4,970,104)
25. 2047	(53,721)	(5,266,966)	0	(5,320,687)
26. 2048	(78,638)	(5,383,964)	0	(5,462,601)
27. 2049	(80,947)	(4,973,285)	0	(5,054,231)
28. 2050	(85,192)	(3,941,094)	0	(4,026,286)
29. 2051	(48,589)	(2,908,902)	0	(2,957,491)
30. 2052	(12,277)	(1,876,711)	0	(1,888,989)
31. 2053 and Later		(563,013)	0	(563,013)
32. Total (Lines 1 to 31)	93,254,042	(354,401,935)	0	(261,147,893)

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

ASSET VALUATION RESERVE

	Default Component			Equity Component			7
	1	2	3	4	5	6	
	Other Than Mortgage Loans	Mortgage Loans	Total (Cols. 1 + 2)	Common Stock	Real Estate and Other Invested Assets	Total (Cols. 4 + 5)	Total Amount (Cols. 3 + 6)
1. Reserve as of December 31, prior year	305,585,353	27,479,356	333,064,709	50,552,651	193,446,283	243,998,933	577,063,643
2. Realized capital gains/(losses) net of taxes - General Account	(72,426,136)	16,364	(72,409,772)	19,511,343	(23,840,838)	(4,329,495)	(76,739,267)
3. Realized capital gains/(losses) net of taxes - Separate Accounts			0			0	0
4. Unrealized capital gains/(losses) net of deferred taxes - General Account	(42,873,430)	173,077	(42,700,353)	35,134,830	(68,631,096)	(33,496,266)	(76,196,619)
5. Unrealized capital gains/(losses) net of deferred taxes - Separate Accounts			0			0	0
6. Capital gains credited/(losses charged) to contract benefits, payments or reserves			0			0	0
7. Basic contribution	93,305,143	9,660,665	102,965,808	0	1,365,306	1,365,306	104,331,114
8. Accumulated balances (Lines 1 through 5 - 6 + 7)	283,590,930	37,329,462	320,920,392	105,198,824	102,339,655	207,538,478	528,458,871
9. Maximum reserve	422,127,752	34,814,027	456,941,778	50,442,475	195,457,283	245,899,758	702,841,537
10. Reserve objective	257,613,269	26,438,306	284,051,574	50,292,984	193,966,514	244,259,498	528,311,073
11. 20% of (Line 10 - Line 8)	(5,195,532)	(2,178,231)	(7,373,764)	(10,981,168)	18,325,372	7,344,204	(29,560)
12. Balance before transfers (Lines 8 + 11)	278,395,398	35,151,231	313,546,629	94,217,656	120,665,027	214,882,682	528,429,311
13. Transfers	337,204	(337,204)	0	(43,775,181)	43,775,181	0	0
14. Voluntary contribution			0			0	0
15. Adjustment down to maximum/up to zero			0			0	0
16. Reserve as of December 31, current year (Lines 12 + 13 + 14 + 15)	278,732,602	34,814,027	313,546,629	50,442,475	164,440,208	214,882,682	528,429,311

ASSET VALUATION RESERVE
BASIC CONTRIBUTION, RESERVE OBJECTIVE AND MAXIMUM RESERVE CALCULATIONS
DEFAULT COMPONENT

Line Num- ber	NAIC Desig- nation	Description	1	2	3	4	Basic Contribution		Reserve Objective		Maximum Reserve	
			Book/Adjusted Carrying Value	Reclassify Related Party Encumbrances	Add Third Party Encumbrances	Balance for AVR Reserve Calculations (Cols. 1 + 2 + 3)	5	6	7	8	9	10
							Factor	Amount (Cols.4 x 5)	Factor	Amount (Cols. 4 x 7)	Factor	Amount (Cols. 4 x 9)
LONG-TERM BONDS												
1.		Exempt Obligations	186,662,263	XXX	XXX	186,662,263	0.0000	0	0.0000	0	0.0000	0
2.1	1	NAIC Designation Category 1.A	6,463,893,660	XXX	XXX	6,463,893,660	0.0002	1,292,779	0.0007	4,524,726	0.0013	8,403,062
2.2	1	NAIC Designation Category 1.B	1,014,279,695	XXX	XXX	1,014,279,695	0.0004	405,712	0.0011	1,115,708	0.0023	2,332,843
2.3	1	NAIC Designation Category 1.C	2,739,030,703	XXX	XXX	2,739,030,703	0.0006	1,643,418	0.0018	4,930,255	0.0035	9,586,607
2.4	1	NAIC Designation Category 1.D	1,543,860,496	XXX	XXX	1,543,860,496	0.0007	1,080,702	0.0022	3,396,493	0.0044	6,792,986
2.5	1	NAIC Designation Category 1.E	1,349,013,703	XXX	XXX	1,349,013,703	0.0009	1,214,112	0.0027	3,642,337	0.0055	7,419,575
2.6	1	NAIC Designation Category 1.F	4,257,877,643	XXX	XXX	4,257,877,643	0.0011	4,683,665	0.0034	14,476,784	0.0068	28,953,568
2.7	1	NAIC Designation Category 1.G	2,620,718,880	XXX	XXX	2,620,718,880	0.0014	3,669,006	0.0042	11,007,019	0.0085	22,276,110
2.8		Subtotal NAIC 1 (2.1+2.2+2.3+2.4+2.5+2.6+2.7)	19,988,674,780	XXX	XXX	19,988,674,780	XXX	13,989,396	XXX	43,093,322	XXX	85,764,753
3.1	2	NAIC Designation Category 2.A	3,314,021,089	XXX	XXX	3,314,021,089	0.0021	6,959,444	0.0063	20,878,333	0.0105	34,797,221
3.2	2	NAIC Designation Category 2.B	5,862,488,494	XXX	XXX	5,862,488,494	0.0025	14,656,221	0.0076	44,554,913	0.0127	74,453,604
3.3	2	NAIC Designation Category 2.C	3,550,478,330	XXX	XXX	3,550,478,330	0.0036	12,781,722	0.0108	38,345,166	0.0180	63,908,610
3.4		Subtotal NAIC 2 (3.1+3.2+3.3)	12,726,987,913	XXX	XXX	12,726,987,913	XXX	34,397,388	XXX	103,778,411	XXX	173,159,435
4.1	3	NAIC Designation Category 3.A	344,866,162	XXX	XXX	344,866,162	0.0069	2,379,577	0.0183	6,311,051	0.0262	9,035,493
4.2	3	NAIC Designation Category 3.B	266,172,131	XXX	XXX	266,172,131	0.0099	2,635,104	0.0264	7,026,944	0.0377	10,034,689
4.3	3	NAIC Designation Category 3.C	641,327,717	XXX	XXX	641,327,717	0.0131	8,401,393	0.0350	22,446,470	0.0500	32,066,386
4.4		Subtotal NAIC 3 (4.1+4.2+4.3)	1,252,366,010	XXX	XXX	1,252,366,010	XXX	13,416,074	XXX	35,784,465	XXX	51,136,569
5.1	4	NAIC Designation Category 4.A	135,215,558	XXX	XXX	135,215,558	0.0184	2,487,966	0.0430	5,814,269	0.0615	8,315,757
5.2	4	NAIC Designation Category 4.B	182,388,175	XXX	XXX	182,388,175	0.0238	4,340,839	0.0555	10,122,544	0.0793	14,463,382
5.3	4	NAIC Designation Category 4.C	176,247,614	XXX	XXX	176,247,614	0.0310	5,463,676	0.0724	12,760,327	0.1034	18,224,003
5.4		Subtotal NAIC 4 (5.1+5.2+5.3)	493,851,347	XXX	XXX	493,851,347	XXX	12,292,481	XXX	28,697,140	XXX	41,003,142
6.1	5	NAIC Designation Category 5.A	103,282,199	XXX	XXX	103,282,199	0.0472	4,874,920	0.0846	8,737,674	0.1410	14,562,790
6.2	5	NAIC Designation Category 5.B	162,812,439	XXX	XXX	162,812,439	0.0663	10,794,465	0.1188	19,342,118	0.1980	32,236,863
6.3	5	NAIC Designation Category 5.C	5,649,188	XXX	XXX	5,649,188	0.0836	472,272	0.1498	846,248	0.2496	1,410,037
6.4		Subtotal NAIC 5 (6.1+6.2+6.3)	271,743,826	XXX	XXX	271,743,826	XXX	16,141,657	XXX	28,926,040	XXX	48,209,690
7.	6	NAIC 6	41,900,860	XXX	XXX	41,900,860	0.0000	0	0.2370	9,930,504	0.2370	9,930,504
8.		Total Unrated Multi-class Securities Acquired by Conversion	0	XXX	XXX	0	XXX	0	XXX	0	XXX	0
9.		Total Long-Term Bonds (1+2.8+3.4+4.4+5.4+6.4+7+8)	34,962,186,999	XXX	XXX	34,962,186,999	XXX	90,236,994	XXX	250,209,882	XXX	409,204,093
PREFERRED STOCKS												
10.	1	Highest Quality	4,914,449	XXX	XXX	4,914,449	0.0005	2,457	0.0016	7,863	0.0033	16,218
11.	2	High Quality	161,940,169	XXX	XXX	161,940,169	0.0021	340,074	0.0064	1,036,417	0.0106	1,716,566
12.	3	Medium Quality	6,998,696	XXX	XXX	6,998,696	0.0099	69,287	0.0263	184,066	0.0376	263,151
13.	4	Low Quality	3,000,000	XXX	XXX	3,000,000	0.0245	73,500	0.0572	171,600	0.0817	245,100
14.	5	Lower Quality	24,141,839	XXX	XXX	24,141,839	0.0630	1,520,936	0.1128	2,723,199	0.1880	4,538,666
15.	6	In or Near Default	31,076	XXX	XXX	31,076	0.0000	0	0.2370	7,365	0.2370	7,365
16.		Affiliated Life with AVR	0	XXX	XXX	0	0.0000	0	0.0000	0	0.0000	0
17.		Total Preferred Stocks (Sum of Lines 10 through 16)	201,026,229	XXX	XXX	201,026,229	XXX	2,006,255	XXX	4,130,510	XXX	6,787,065

ASSET VALUATION RESERVE (Continued)
BASIC CONTRIBUTION, RESERVE OBJECTIVE AND MAXIMUM RESERVE CALCULATIONS
DEFAULT COMPONENT

Line Num- ber	NAIC Desig- nation	Description	1	2	3	4	Basic Contribution		Reserve Objective		Maximum Reserve	
			Book/Adjusted Carrying Value	Reclassify Related Party Encumbrances	Add Third Party Encumbrances	Balance for AVR Reserve Calculations (Cols. 1 + 2 + 3)	5	6	7	8	9	10
							Factor	Amount (Cols.4 x 5)	Factor	Amount (Cols. 4 x 7)	Factor	Amount (Cols. 4 x 9)
SHORT-TERM BONDS												
18.		Exempt Obligations	0	XXX	XXX	0	0.0000	0	0.0000	0	0.0000	0
19.1	1	NAIC Designation Category 1.A	0	XXX	XXX	0	0.0002	0	0.0007	0	0.0013	0
19.2	1	NAIC Designation Category 1.B	0	XXX	XXX	0	0.0004	0	0.0011	0	0.0023	0
19.3	1	NAIC Designation Category 1.C	0	XXX	XXX	0	0.0006	0	0.0018	0	0.0035	0
19.4	1	NAIC Designation Category 1.D	118,232,692	XXX	XXX	118,232,692	0.0007	82,763	0.0022	260,112	0.0044	520,224
19.5	1	NAIC Designation Category 1.E	31,000,000	XXX	XXX	31,000,000	0.0009	27,900	0.0027	83,700	0.0055	170,500
19.6	1	NAIC Designation Category 1.F	50,000,000	XXX	XXX	50,000,000	0.0011	55,000	0.0034	170,000	0.0068	340,000
19.7	1	NAIC Designation Category 1.G	0	XXX	XXX	0	0.0014	0	0.0042	0	0.0085	0
19.8		Subtotal NAIC 1 (19.1+19.2+19.3+19.4+19.5+19.6+19.7)	199,232,692	XXX	XXX	199,232,692	XXX	165,663	XXX	513,812	XXX	1,030,724
20.1	2	NAIC Designation Category 2.A	224,419,054	XXX	XXX	224,419,054	0.0021	471,280	0.0063	1,413,840	0.0105	2,356,400
20.2	2	NAIC Designation Category 2.B		XXX	XXX	0	0.0025	0	0.0076	0	0.0127	0
20.3	2	NAIC Designation Category 2.C		XXX	XXX	0	0.0036	0	0.0108	0	0.0180	0
20.4		Subtotal NAIC 2 (20.1+20.2+20.3)	224,419,054	XXX	XXX	224,419,054	XXX	471,280	XXX	1,413,840	XXX	2,356,400
21.1	3	NAIC Designation Category 3.A		XXX	XXX	0	0.0069	0	0.0183	0	0.0262	0
21.2	3	NAIC Designation Category 3.B		XXX	XXX	0	0.0099	0	0.0264	0	0.0377	0
21.3	3	NAIC Designation Category 3.C		XXX	XXX	0	0.0131	0	0.0350	0	0.0500	0
21.4		Subtotal NAIC 3 (21.1+21.2+21.3)	0	XXX	XXX	0	XXX	0	XXX	0	XXX	0
22.1	4	NAIC Designation Category 4.A		XXX	XXX	0	0.0184	0	0.0430	0	0.0615	0
22.2	4	NAIC Designation Category 4.B		XXX	XXX	0	0.0238	0	0.0555	0	0.0793	0
22.3	4	NAIC Designation Category 4.C	545,572	XXX	XXX	545,572	0.0310	16,913	0.0724	39,499	0.1034	56,412
22.4		Subtotal NAIC 4 (22.1+22.2+22.3)	545,572	XXX	XXX	545,572	XXX	16,913	XXX	39,499	XXX	56,412
23.1	5	NAIC Designation Category 5.A		XXX	XXX	0	0.0472	0	0.0846	0	0.1410	0
23.2	5	NAIC Designation Category 5.B		XXX	XXX	0	0.0663	0	0.1188	0	0.1980	0
23.3	5	NAIC Designation Category 5.C		XXX	XXX	0	0.0836	0	0.1498	0	0.2496	0
23.4		Subtotal NAIC 5 (23.1+23.2+23.3)	0	XXX	XXX	0	XXX	0	XXX	0	XXX	0
24.	6	NAIC 6		XXX	XXX	0	0.0000	0	0.2370	0	0.2370	0
25.		Total Short-Term Bonds (18+19.8+20.4+21.4+22.4+23.4+24)	424,197,318	XXX	XXX	424,197,318	XXX	653,856	XXX	1,967,151	XXX	3,443,536
DERIVATIVE INSTRUMENTS												
26.		Exchange Traded	428,626,313	XXX	XXX	428,626,313	0.0005	214,313	0.0016	685,802	0.0033	1,414,467
27.	1	Highest Quality		XXX	XXX	0	0.0005	0	0.0016	0	0.0033	0
28.	2	High Quality		XXX	XXX	0	0.0021	0	0.0064	0	0.0106	0
29.	3	Medium Quality		XXX	XXX	0	0.0099	0	0.0263	0	0.0376	0
30.	4	Low Quality		XXX	XXX	0	0.0245	0	0.0572	0	0.0817	0
31.	5	Lower Quality		XXX	XXX	0	0.0630	0	0.1128	0	0.1880	0
32.	6	In or Near Default		XXX	XXX	0	0.0000	0	0.2370	0	0.2370	0
33.		Total Derivative Instruments	428,626,313	XXX	XXX	428,626,313	XXX	214,313	XXX	685,802	XXX	1,414,467
34.		Total (Lines 9 + 17 + 25 + 33)	36,016,036,859	XXX	XXX	36,016,036,859	XXX	93,111,418	XXX	256,993,346	XXX	420,849,161

ASSET VALUATION RESERVE (Continued)
BASIC CONTRIBUTION, RESERVE OBJECTIVE AND MAXIMUM RESERVE CALCULATIONS
DEFAULT COMPONENT

Line Num- ber	NAIC Desig- nation	Description	1	2	3	4	Basic Contribution		Reserve Objective		Maximum Reserve	
			Book/Adjusted Carrying Value	Reclassify Related Party Encumbrances	Add Third Party Encumbrances	Balance for AVR Reserve Calculations (Cols. 1 + 2 + 3)	5	6	7	8	9	10
							Factor	Amount (Cols.4 x 5)	Factor	Amount (Cols. 4 x 7)	Factor	Amount (Cols. 4 x 9)
		MORTGAGE LOANS										
		In Good Standing:										
35.		Farm Mortgages - CM1 - Highest Quality	0		XXX	0	0.0011	0	0.0057	0	0.0074	0
36.		Farm Mortgages - CM2 - High Quality	0		XXX	0	0.0040	0	0.0114	0	0.0149	0
37.		Farm Mortgages - CM3 - Medium Quality	0		XXX	0	0.0069	0	0.0200	0	0.0257	0
38.		Farm Mortgages - CM4 - Low Medium Quality	0		XXX	0	0.0120	0	0.0343	0	0.0428	0
39.		Farm Mortgages - CM5 - Low Quality	0		XXX	0	0.0183	0	0.0486	0	0.0628	0
40.		Residential Mortgages - Insured or Guaranteed	428,104,500		XXX	428,104,500	0.0003	128,431	0.0007	299,673	0.0011	470,915
41.		Residential Mortgages - All Other	2,353,903,367		XXX	2,353,903,367	0.0015	3,530,855	0.0034	8,003,271	0.0046	10,827,955
42.		Commercial Mortgages - Insured or Guaranteed	0		XXX	0	0.0003	0	0.0007	0	0.0011	0
43.		Commercial Mortgages - All Other - CM1 - Highest Quality	351,548,554		XXX	351,548,554	0.0011	386,703	0.0057	2,003,827	0.0074	2,601,459
44.		Commercial Mortgages - All Other - CM2 - High Quality	735,759,134		XXX	735,759,134	0.0040	2,943,037	0.0114	8,387,654	0.0149	10,962,811
45.		Commercial Mortgages - All Other - CM3 - Medium Quality	387,194,006		XXX	387,194,006	0.0069	2,671,639	0.0200	7,743,880	0.0257	9,950,886
46.		Commercial Mortgages - All Other - CM4 - Low Medium Quality	0		XXX	0	0.0120	0	0.0343	0	0.0428	0
47.		Commercial Mortgages - All Other - CM5 - Low Quality	0		XXX	0	0.0183	0	0.0486	0	0.0628	0
		Overdue, Not in Process:										
48.		Farm Mortgages	0		XXX	0	0.0480	0	0.0868	0	0.1371	0
49.		Residential Mortgages - Insured or Guaranteed	0		XXX	0	0.0006	0	0.0014	0	0.0023	0
50.		Residential Mortgages - All Other	0		XXX	0	0.0029	0	0.0066	0	0.0103	0
51.		Commercial Mortgages - Insured or Guaranteed	0		XXX	0	0.0006	0	0.0014	0	0.0023	0
52.		Commercial Mortgages - All Other	0		XXX	0	0.0480	0	0.0868	0	0.1371	0
		In Process of Foreclosure:										
53.		Farm Mortgages	0		XXX	0	0.0000	0	0.1942	0	0.1942	0
54.		Residential Mortgages - Insured or Guaranteed	0		XXX	0	0.0000	0	0.0046	0	0.0046	0
55.		Residential Mortgages - All Other	0		XXX	0	0.0000	0	0.0149	0	0.0149	0
56.		Commercial Mortgages - Insured or Guaranteed	0		XXX	0	0.0000	0	0.0046	0	0.0046	0
57.		Commercial Mortgages - All Other	0		XXX	0	0.0000	0	0.1942	0	0.1942	0
58.		Total Schedule B Mortgages (Sum of Lines 35 through 57)	4,256,509,561	0	XXX	4,256,509,561	XXX	9,660,665	XXX	26,438,306	XXX	34,814,027
59.		Schedule DA Mortgages			XXX	0	0.0034	0	0.0114	0	0.0149	0
60.		Total Mortgage Loans on Real Estate (Lines 58 + 59)	4,256,509,561	0	XXX	4,256,509,561	XXX	9,660,665	XXX	26,438,306	XXX	34,814,027

ASSET VALUATION RESERVE
BASIC CONTRIBUTION, RESERVE OBJECTIVE AND MAXIMUM RESERVE CALCULATIONS
EQUITY AND OTHER INVESTED ASSET COMPONENT

Line Number	NAIC Designation	Description	1	2	3	4	Basic Contribution		Reserve Objective		Maximum Reserve	
			Book/Adjusted Carrying Value	Reclassify Related Party Encumbrances	Add Third Party Encumbrances	Balance for AVR Reserve Calculations (Cols. 1 + 2 + 3)	5	6	7	8	9	10
							Factor	Amount (Cols.4 x 5)	Factor	Amount (Cols. 4 x 7)	Factor	Amount (Cols. 4 x 9)
COMMON STOCK												
1.		Unaffiliated - Public	106,844,994	XXX	XXX	106,844,994	0.0000	0	0.2431 (a)	25,974,018	0.2431 (a)	25,974,018
2.		Unaffiliated - Private	122,837,865	XXX	XXX	122,837,865	0.0000	0	0.1945	23,891,965	0.1945	23,891,965
3.		Federal Home Loan Bank	41,525,200	XXX	XXX	41,525,200	0.0000	0	0.0061	253,304	0.0097	402,794
4.		Affiliated - Life with AVR	444,317,489	XXX	XXX	444,317,489	0.0000	0	0.0000	0	0.0000	0
Affiliated - Investment Subsidiary:												
5.		Fixed Income - Exempt Obligations				0	XXX		XXX		XXX	
6.		Fixed Income - Highest Quality				0	XXX		XXX		XXX	
7.		Fixed Income - High Quality				0	XXX		XXX		XXX	
8.		Fixed Income - Medium Quality				0	XXX		XXX		XXX	
9.		Fixed Income - Low Quality				0	XXX		XXX		XXX	
10.		Fixed Income - Lower Quality				0	XXX		XXX		XXX	
11.		Fixed Income - In/Near Default				0	XXX		XXX		XXX	
12.		Unaffiliated Common Stock - Public				0	0.0000	0	0.1580 (a)	0	0.1580 (a)	0
13.		Unaffiliated Common Stock - Private				0	0.0000	0	0.1945	0	0.1945	0
14.		Real Estate				0	(b)	0	(b)	0	(b)	0
15.		Affiliated - Certain Other (See SVO Purposes and Procedures Manual)		XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
16.		Affiliated - All Other	893,047	XXX	XXX	893,047	0.0000	0	0.1945	173,698	0.1945	173,698
17.		Total Common Stock (Sum of Lines 1 through 16)	716,418,595	0	0	716,418,595	XXX	0	XXX	50,292,984	XXX	50,442,475
REAL ESTATE												
18.		Home Office Property (General Account only)				0	0.0000	0	0.0912	0	0.0912	0
19.		Investment Properties				0	0.0000	0	0.0912	0	0.0912	0
20.		Properties Acquired in Satisfaction of Debt				0	0.0000	0	0.1337	0	0.1337	0
21.		Total Real Estate (Sum of Lines 18 through 20)	0	0	0	0	XXX	0	XXX	0	XXX	0
OTHER INVESTED ASSETS												
INVESTMENTS WITH THE UNDERLYING CHARACTERISTICS OF BONDS												
22.		Exempt Obligations	0	XXX	XXX	0	0.0000	0	0.0000	0	0.0000	0
23.	1	Highest Quality	0	XXX	XXX	0	0.0005	0	0.0016	0	0.0033	0
24.	2	High Quality	0	XXX	XXX	0	0.0021	0	0.0064	0	0.0106	0
25.	3	Medium Quality	0	XXX	XXX	0	0.0099	0	0.0263	0	0.0376	0
26.	4	Low Quality	0	XXX	XXX	0	0.0245	0	0.0572	0	0.0817	0
27.	5	Lower Quality	0	XXX	XXX	0	0.0630	0	0.1128	0	0.1880	0
28.	6	In or Near Default	55,227,328	XXX	XXX	55,227,328	0.0000	0	0.2370	13,088,877	0.2370	13,088,877
29.		Total with Bond Characteristics (Sum of Lines 22 through 28)	55,227,328	XXX	XXX	55,227,328	XXX	0	XXX	13,088,877	XXX	13,088,877

ASSET VALUATION RESERVE (Continued)
BASIC CONTRIBUTION, RESERVE OBJECTIVE AND MAXIMUM RESERVE CALCULATIONS
EQUITY AND OTHER INVESTED ASSET COMPONENT

Line Num- ber	NAIC Desig- nation	Description	1	2	3	4	Basic Contribution		Reserve Objective		Maximum Reserve	
			Book/Adjusted Carrying Value	Reclassify Related Party Encumbrances	Add Third Party Encumbrances	Balance for AVR Reserve Calculations (Cols. 1 + 2 + 3)	5	6	7	8	9	10
							Factor	Amount (Cols.4 x 5)	Factor	Amount (Cols. 4 x 7)	Factor	Amount (Cols. 4 x 9)
		INVESTMENTS WITH THE UNDERLYING CHARACTERISTICS OF PREFERRED STOCKS										
30.	1	Highest Quality	142,141,272	XXX	XXX	142,141,272	0.0005	71,071	0.0016	227,426	0.0033	469,066
31.	2	High Quality	71,481,316	XXX	XXX	71,481,316	0.0021	150,111	0.0064	457,480	0.0106	757,702
32.	3	Medium Quality	0	XXX	XXX	0	0.0099	0	0.0263	0	0.0376	0
33.	4	Low Quality	0	XXX	XXX	0	0.0245	0	0.0572	0	0.0817	0
34.	5	Lower Quality.....	16,590	XXX	XXX	16,590	0.0630	1,045	0.1128	1,871	0.1880	3,119
35.	6	In or Near Default	0	XXX	XXX	0	0.0000	0	0.2370	0	0.2370	0
36.		Affiliated Life with AVR	0	XXX	XXX	0	0.0000	0	0.0000	0	0.0000	0
37.		Total with Preferred Stock Characteristics (Sum of Lines 30 through 36)	213,639,178	XXX	XXX	213,639,178	XXX	222,227	XXX	686,778	XXX	1,229,887
		INVESTMENTS WITH THE UNDERLYING CHARACTERISTICS OF MORTGAGE LOANS										
		In Good Standing Affiliated:										
38.		Mortgages - CM1 - Highest Quality	0		XXX	0	0.0011	0	0.0057	0	0.0074	0
39.		Mortgages - CM2 - High Quality	17,259,952		XXX	17,259,952	0.0040	69,040	0.0114	196,763	0.0149	257,173
40.		Mortgages - CM3 - Medium Quality	154,051,887		XXX	154,051,887	0.0069	1,062,958	0.0200	3,081,038	0.0257	3,959,133
41.		Mortgages - CM4 - Low Medium Quality	0		XXX	0	0.0120	0	0.0343	0	0.0428	0
42.		Mortgages - CM5 - Low Quality	0		XXX	0	0.0183	0	0.0486	0	0.0628	0
43.		Residential Mortgages - Insured or Guaranteed	0		XXX	0	0.0003	0	0.0007	0	0.0011	0
44.		Residential Mortgages - All Other	0	XXX	XXX	0	0.0015	0	0.0034	0	0.0046	0
45.		Commercial Mortgages - Insured or Guaranteed	0		XXX	0	0.0003	0	0.0007	0	0.0011	0
		Overdue, Not in Process Affiliated:										
46.		Farm Mortgages	0		XXX	0	0.0480	0	0.0868	0	0.1371	0
47.		Residential Mortgages - Insured or Guaranteed	0		XXX	0	0.0006	0	0.0014	0	0.0023	0
48.		Residential Mortgages - All Other	0		XXX	0	0.0029	0	0.0066	0	0.0103	0
49.		Commercial Mortgages - Insured or Guaranteed	0		XXX	0	0.0006	0	0.0014	0	0.0023	0
50.		Commercial Mortgages - All Other	0		XXX	0	0.0480	0	0.0868	0	0.1371	0
		In Process of Foreclosure Affiliated:										
51.		Farm Mortgages	0		XXX	0	0.0000	0	0.1942	0	0.1942	0
52.		Residential Mortgages - Insured or Guaranteed	0		XXX	0	0.0000	0	0.0046	0	0.0046	0
53.		Residential Mortgages - All Other	0		XXX	0	0.0000	0	0.0149	0	0.0149	0
54.		Commercial Mortgages - Insured or Guaranteed	0		XXX	0	0.0000	0	0.0046	0	0.0046	0
55.		Commercial Mortgages - All Other	0		XXX	0	0.0000	0	0.1942	0	0.1942	0
56.		Total Affiliated (Sum of Lines 38 through 55)	171,311,839	0	XXX	171,311,839	XXX	1,131,998	XXX	3,277,801	XXX	4,216,307
57.		Unaffiliated - In Good Standing With Covenants	0		XXX	0	(c)	0	(c)	0	(c)	0
58.		Unaffiliated - In Good Standing Defeased With Government Securities	0		XXX	0	0.0011	0	0.0057	0	0.0074	0
59.		Unaffiliated - In Good Standing Primarily Senior	0		XXX	0	0.0040	0	0.0114	0	0.0149	0
60.		Unaffiliated - In Good Standing All Other	1,606,021		XXX	1,606,021	0.0069	11,082	0.0200	32,120	0.0257	41,275
61.		Unaffiliated - Overdue, Not in Process	0		XXX	0	0.0480	0	0.0868	0	0.1371	0
62.		Unaffiliated - In Process of Foreclosure	0		XXX	0	0.0000	0	0.1942	0	0.1942	0
63.		Total Unaffiliated (Sum of Lines 57 through 62)	1,606,021	0	XXX	1,606,021	XXX	11,082	XXX	32,120	XXX	41,275
64.		Total with Mortgage Loan Characteristics (Lines 56 + 63)	172,917,860	0	XXX	172,917,860	XXX	1,143,079	XXX	3,309,922	XXX	4,257,582

ASSET VALUATION RESERVE (Continued)
BASIC CONTRIBUTION, RESERVE OBJECTIVE AND MAXIMUM RESERVE CALCULATIONS
EQUITY AND OTHER INVESTED ASSET COMPONENT

Line Number	NAIC Designation	Description	1	2	3	4	Basic Contribution		Reserve Objective		Maximum Reserve	
			Book/Adjusted Carrying Value	Reclassify Related Party Encumbrances	Add Third Party Encumbrances	Balance for AVR Reserve Calculations (Cols. 1 + 2 + 3)	5	6	7	8	9	10
							Factor	Amount (Cols.4 x 5)	Factor	Amount (Cols. 4 x 7)	Factor	Amount (Cols. 4 x 9)
		INVESTMENTS WITH THE UNDERLYING CHARACTERISTICS OF COMMON STOCK										
65.		Unaffiliated Public	0	XXX	XXX	0	0.0000	0	0.1580 (a)	0	0.1580 (a)	0
66.		Unaffiliated Private	717,815,160	XXX	XXX	717,815,160	0.0000	0	0.1945	139,615,049	0.1945	139,615,049
67.		Affiliated Life with AVR	0	XXX	XXX	0	0.0000	0	0.0000	0	0.0000	0
68.		Affiliated Certain Other (See SVO Purposes & Procedures Manual)	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
69.		Affiliated Other - All Other	55,613	XXX	XXX	55,613	0.0000	0	0.1945	10,817	0.1945	10,817
70.		Total with Common Stock Characteristics (Sum of Lines 65 through 69)	717,870,773	XXX	XXX	717,870,773	XXX	0	XXX	139,625,865	XXX	139,625,865
		INVESTMENTS WITH THE UNDERLYING CHARACTERISTICS OF REAL ESTATE										
71.		Home Office Property (General Account only)	0			0	0.0000	0	0.0912	0	0.0912	0
72.		Investment Properties	93,296,889		23,252,279	116,549,168	0.0000	0	0.0912	10,629,284	0.0912	10,629,284
73.		Properties Acquired in Satisfaction of Debt	0			0	0.0000	0	0.1337	0	0.1337	0
74.		Total with Real Estate Characteristics (Sum of Lines 71 through 73)	93,296,889	0	23,252,279	116,549,168	XXX	0	XXX	10,629,284	XXX	10,629,284
		LOW INCOME HOUSING TAX CREDIT INVESTMENTS										
75.		Guaranteed Federal Low Income Housing Tax Credit	0			0	0.0003	0	0.0006	0	0.0010	0
76.		Non-guaranteed Federal Low Income Housing Tax Credit	0			0	0.0063	0	0.0120	0	0.0190	0
77.		Guaranteed State Low Income Housing Tax Credit	0			0	0.0003	0	0.0006	0	0.0010	0
78.		Non-guaranteed State Low Income Housing Tax Credit	0			0	0.0063	0	0.0120	0	0.0190	0
79.		All Other Low Income Housing Tax Credit	0			0	0.0273	0	0.0600	0	0.0975	0
80.		Total LIHTC (Sum of Lines 75 through 79)	0	0	0	0	XXX	0	XXX	0	XXX	0
		RESIDUAL TRANCHES OR INTERESTS										
81.		Fixed Income Instruments - Unaffiliated	58,354,604	XXX	XXX	58,354,604	0.0000	0	0.1580	9,220,027	0.1580	9,220,027
82.		Fixed Income Instruments - Affiliated	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
83.		Common Stock - Unaffiliated	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
84.		Common Stock - Affiliated	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
85.		Preferred Stock - Unaffiliated	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
86.		Preferred Stock - Affiliated	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
87.		Real Estate - Unaffiliated	0			0	0.0000	0	0.1580	0	0.1580	0
88.		Real Estate - Affiliated	0			0	0.0000	0	0.1580	0	0.1580	0
89.		Mortgage Loans - Unaffiliated	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
90.		Mortgage Loans - Affiliated	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
91.		Other - Unaffiliated	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
92.		Other - Affiliated	0	XXX	XXX	0	0.0000	0	0.1580	0	0.1580	0
93.		Total Residual Tranches or Interests (Sum of Lines 81 through 92)	58,354,604	0	0	58,354,604	XXX	0	XXX	9,220,027	XXX	9,220,027
		ALL OTHER INVESTMENTS										
94.		NAIC 1 Working Capital Finance Investments	0	XXX		0	0.0000	0	0.0042	0	0.0042	0
95.		NAIC 2 Working Capital Finance Investments	0	XXX		0	0.0000	0	0.0137	0	0.0137	0
96.		Other Invested Assets - Schedule BA	110,163,046	XXX		110,163,046	0.0000	0	0.1580	17,405,761	0.1580	17,405,761
97.		Other Short-Term Invested Assets - Schedule DA	0	XXX		0	0.0000	0	0.1580	0	0.1580	0
98.		Total All Other (Sum of Lines 94, 95, 96 and 97)	110,163,046	XXX	0	110,163,046	XXX	0	XXX	17,405,761	XXX	17,405,761
99.		Total Other Invested Assets - Schedules BA & DA (Sum of Lines 29, 37, 64, 70, 74, 80, 93 and 98)	1,421,469,678	0	23,252,279	1,444,721,957	XXX	1,365,306	XXX	193,966,514	XXX	195,457,283

(a) Times the company's weighted average portfolio beta (Minimum .1215, Maximum .2431).
(b) Determined using the same factors and breakdowns used for directly owned real estate.
(c) This will be the factor associated with the risk category determined in the company generated worksheet.

Asset Valuation Reserve - Replications (Synthetic) Assets
N O N E

Schedule F - Claims
N O N E

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE H - ACCIDENT AND HEALTH EXHIBIT

PART 1 - ANALYSIS OF UNDERWRITING OPERATIONS

	Total		Comprehensive (Hospital and Medical) Individual		Comprehensive (Hospital and Medical) Group		Medicare Supplement		Vision Only		Dental Only		Federal Employees Health Benefits Plan	
	1 Amount	2 %	3 Amount	4 %	5 Amount	6 %	7 Amount	8 %	9 Amount	10 %	11 Amount	12 %	13 Amount	14 %
1. Premiums written	2,995,326	XXX		XXX		XXX		XXX		XXX		XXX		XXX
2. Premiums earned	3,054,272	XXX		XXX		XXX		XXX		XXX		XXX		XXX
3. Incurred claims	5,490,277	179.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4. Cost containment expenses	0	0.0		0.0		0.0		0.0		0.0		0.0		0.0
5. Incurred claims and cost containment expenses (Lines 3 and 4)	5,490,277	179.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6. Increase in contract reserves	483,990	15.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7. Commissions (a)	543,637	17.8		0.0		0.0		0.0		0.0		0.0		0.0
8. Other general insurance expenses	0	0.0		0.0		0.0		0.0		0.0		0.0		0.0
9. Taxes, licenses and fees	0	0.0		0.0		0.0		0.0		0.0		0.0		0.0
10. Total other expenses incurred	543,637	17.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
11. Aggregate write-ins for deductions	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
12. Gain from underwriting before dividends or refunds .	(3,463,632)	(113.4)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
13. Dividends or refunds	0	0.0		0.0		0.0		0.0		0.0		0.0		0.0
14. Gain from underwriting after dividends or refunds	(3,463,632)	(113.4)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DETAILS OF WRITE-INS														
1101.														
1102.														
1103.														
1198. Summary of remaining write-ins for Line 11 from overflow page	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1199. Totals (Lines 1101 thru 1103 plus 1198)(Line 11 above)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

	Medicare Title XVIII		Medicaid Title XIX		Credit A&H		Disability Income		Long-Term Care		Other Health	
	15 Amount	16 %	17 Amount	18 %	19 Amount	20 %	21 Amount	22 %	23 Amount	24 %	25 Amount	26 %
1. Premiums written		XXX		XXX		XXX		XXX	2,995,326	XXX		XXX
2. Premiums earned		XXX		XXX		XXX		XXX	3,054,272	XXX		XXX
3. Incurred claims	0	0.0	0	0.0	0	0.0	0	0.0	5,490,277	179.8	0	0.0
4. Cost containment expenses		0.0		0.0		0.0		0.0		0.0		0.0
5. Incurred claims and cost containment expenses (Lines 3 and 4)	0	0.0	0	0.0	0	0.0	0	0.0	5,490,277	179.8	0	0.0
6. Increase in contract reserves	0	0.0	0	0.0	0	0.0	0	0.0	483,990	15.8	0	0.0
7. Commissions (a)		0.0		0.0		0.0		0.0	543,637	17.8		0.0
8. Other general insurance expenses		0.0		0.0		0.0		0.0		0.0		0.0
9. Taxes, licenses and fees		0.0		0.0		0.0		0.0		0.0		0.0
10. Total other expenses incurred	0	0.0	0	0.0	0	0.0	0	0.0	543,637	17.8	0	0.0
11. Aggregate write-ins for deductions	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
12. Gain from underwriting before dividends or refunds .	0	0.0	0	0.0	0	0.0	0	0.0	(3,463,632)	(113.4)	0	0.0
13. Dividends or refunds		0.0		0.0		0.0		0.0		0.0		0.0
14. Gain from underwriting after dividends or refunds	0	0.0	0	0.0	0	0.0	0	0.0	(3,463,632)	(113.4)	0	0.0
DETAILS OF WRITE-INS												
1101.												
1102.												
1103.												
1198. Summary of remaining write-ins for Line 11 from overflow page	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1199. Totals (Lines 1101 thru 1103 plus 1198)(Line 11 above)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

(a) Includes \$ reported as "Contract, membership and other fees retained by agents."

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE H - ACCIDENT AND HEALTH EXHIBIT (Continued)

PART 2. - RESERVES AND LIABILITIES

	1	2	3	4	5	6	7	8	9	10	11	12	13
	Total	Comprehensive (Hospital and Medical) Individual	Comprehensive (Hospital and Medical) Group	Medicare Supplement	Vision Only	Dental Only	Federal Employees Health Benefits Plan	Medicare Title XVIII	Medicaid Title XIX	Credit A&H	Disability Income	Long-Term Care	Other Health
A. Premium Reserves:													
1. Unearned premiums	735,847											735,847	
2. Advance premiums	6,493											6,493	
3. Reserve for rate credits	0												
4. Total premium reserves, current year	742,340	0	0	0	0	0	0	0	0	0	0	742,340	0
5. Total premium reserves, prior year	809,391	0	0	0	0	0	0	0	0	0	0	809,391	0
6. Increase in total premium reserves	(67,051)	0	0	0	0	0	0	0	0	0	0	(67,051)	0
B. Contract Reserves:													
1. Additional reserves (a)	37,893,903											37,893,903	
2. Reserve for future contingent benefits	0												
3. Total contract reserves, current year	37,893,903	0	0	0	0	0	0	0	0	0	0	37,893,903	0
4. Total contract reserves, prior year	37,409,913	0	0	0	0	0	0	0	0	0	0	37,409,913	0
5. Increase in contract reserves	483,990	0	0	0	0	0	0	0	0	0	0	483,990	0
C. Claim Reserves and Liabilities:													
1. Total current year	14,121,809	0	0	0	0	0	0	0	0	0	0	14,121,809	0
2. Total prior year	12,696,171	0	0	0	0	0	0	0	0	0	0	12,696,171	0
3. Increase	1,425,638	0	0	0	0	0	0	0	0	0	0	1,425,638	0

PART 3. - TEST OF PRIOR YEAR'S CLAIM RESERVES AND LIABILITIES

	1	2	3	4	5	6	7	8	9	10	11	12	13
	Total	Comprehensive (Hospital and Medical) Individual	Comprehensive (Hospital and Medical) Group	Medicare Supplement	Vision Only	Dental Only	Federal Employees Health Benefits Plan	Medicare Title XVIII	Medicaid Title XIX	Credit A&H	Disability Income	Long-Term Care	Other Health
1. Claims paid during the year:													
1.1 On claims incurred prior to current year	3,426,601											3,426,601	
1.2 On claims incurred during current year	638,038											638,038	
2. Claim reserves and liabilities, December 31, current year:													
2.1 On claims incurred prior to current year	9,364,728											9,364,728	
2.2 On claims incurred during current year	4,757,081											4,757,081	
3. Test:													
3.1 Lines 1.1 and 2.1	12,791,329	0	0	0	0	0	0	0	0	0	0	12,791,329	0
3.2 Claim reserves and liabilities, December 31, prior year	12,696,171	0	0	0	0	0	0	0	0	0	0	12,696,171	0
3.3 Line 3.1 minus Line 3.2	95,158	0	0	0	0	0	0	0	0	0	0	95,158	0

PART 4. - REINSURANCE

	1	2	3	4	5	6	7	8	9	10	11	12	13
	Total	Comprehensive (Hospital and Medical) Individual	Comprehensive (Hospital and Medical) Group	Medicare Supplement	Vision Only	Dental Only	Federal Employees Health Benefits Plan	Medicare Title XVIII	Medicaid Title XIX	Credit A&H	Disability Income	Long-Term Care	Other Health
A. Reinsurance Assumed:													
1. Premiums written	2,995,326											2,995,326	
2. Premiums earned	3,054,271											3,054,271	
3. Incurred claims	5,490,279											5,490,279	
4. Commissions	543,637											543,637	
B. Reinsurance Ceded:													
1. Premiums written	4,723,088			1,845,848							1,826	2,873,419	1,995
2. Premiums earned	4,737,368			1,855,282							2,819	2,877,248	2,019
3. Incurred claims	4,362,689			1,267,000							4,538	3,091,430	(279)
4. Commissions	154,191			9,625								144,524	42

(a) Includes \$ premium deficiency reserve.

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE H - PART 5 - HEALTH CLAIMS

	1 Comprehensive (Hospital and Medical) Individual	2 Comprehensive (Hospital and Medical) Group	3 Medicare Supplement	4 Vision Only	5 Dental Only	6 Federal Employees Health Benefits Plan	7 Medicare Title XVIII	8 Medicaid Title XIX	9 Credit A&H	10 Disability Income	11 Long-Term Care	12 Other Health	13 Total
A. Direct:													
1. Incurred claims			1,267,000							4,538	3,091,429	(279)	4,362,688
2. Beginning claim reserves and liabilities			237,313							44,654	8,532,498	786	8,815,251
3. Ending claim reserves and liabilities			149,067							43,062	8,832,195	507	9,024,831
4. Claims paid	0	0	1,355,246	0	0	0	0	0	0	6,130	2,791,732	0	4,153,108
B. Assumed Reinsurance:													
1. Incurred claims											5,490,279		5,490,279
2. Beginning claim reserves and liabilities											12,696,171		12,696,171
3. Ending claim reserves and liabilities											14,121,809		14,121,809
4. Claims paid	0	0	0	0	0	0	0	0	0	0	4,064,641	0	4,064,641
C. Ceded Reinsurance:													
1. Incurred claims			1,267,000							4,538	3,091,430	(279)	4,362,689
2. Beginning claim reserves and liabilities			237,313							44,654	8,532,498	786	8,815,251
3. Ending claim reserves and liabilities			149,067							43,062	8,832,195	507	9,024,831
4. Claims paid	0	0	1,355,246	0	0	0	0	0	0	6,130	2,791,733	0	4,153,109
D. Net:													
1. Incurred claims	0	0	0	0	0	0	0	0	0	0	5,490,278	0	5,490,278
2. Beginning claim reserves and liabilities	0	0	0	0	0	0	0	0	0	0	12,696,171	0	12,696,171
3. Ending claim reserves and liabilities	0	0	0	0	0	0	0	0	0	0	14,121,809	0	14,121,809
4. Claims paid	0	0	0	0	0	0	0	0	0	0	4,064,640	0	4,064,640
E. Net Incurred Claims and Cost Containment Expenses:													
1. Incurred claims and cost containment expenses	0	0	0	0	0	0	0	0	0	0	5,490,277	0	5,490,277
2. Beginning reserves and liabilities											12,696,171		12,696,171
3. Ending reserves and liabilities											14,121,809		14,121,809
4. Paid claims and cost containment expenses	0	0	0	0	0	0	0	0	0	0	4,064,639	0	4,064,639

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE S - PART 1 - SECTION 1

Reinsurance Assumed Life Insurance, Annuities, Deposit Funds and Other Liabilities Without Life or Disability Contingencies, and Related Benefits Listed by Reinsured Company as of December 31, Current Year

1 NAIC Company Code	2 ID Number	3 Effective Date	4 Name of Reinsured	5 Domiciliary Jurisdiction	6 Type of Reinsurance Assumed	7 Type of Business Assumed	8 Amount of In Force at End of Year	9 Reserve	10 Premiums	11 Reinsurance Payable on Paid and Unpaid Losses	12 Modified Coinsurance Reserve	13 Funds Withheld Under Coinsurance
0399999. Total General Account - U.S. Affiliates							0	0	0	0	0	0
0699999. Total General Account - Non-U.S. Affiliates							0	0	0	0	0	0
0799999. Total General Account - Affiliates							0	0	0	0	0	0
..... 71404	..47-0463747 ..	..10/31/2015 ..	Continental General Insurance Company	TX.....	CO/I	FA.....	.....	.....454,151 .....	.....	.....	.....	.....
..... 71404	..47-0463747 ..	..10/31/2015 ..	Continental General Insurance Company	TX.....	CO/I	OL.....	2,152,863	998,436	122,665	82,721 .....	.....	.....
..... 71404	..47-0463747 ..	..10/31/2015 ..	Continental General Insurance Company	TX.....	CO/G.....	FA.....	.....	.....1,060,453	12,400 .....	.....	.....	.....
..... 65722	..63-0343428 ..	..08/31/2012 ..	Loyal American Life Insurance Company	OH.....	CO/I	FA.....	.....	.....63,726,684	843,745	1,045,861 .....	.....	.....
..... 65722	..63-0343428 ..	..08/31/2012 ..	Loyal American Life Insurance Company	OH.....	CO/I	OL.....	217,673,723	92,007,085	2,118,837	2,469,863 .....	.....	.....
..... 61727	..34-0970995 ..	..08/31/2012 ..	Cigna National Health Insurance Company	OH.....	CO/I	FA.....	.....	.....3,467,892	28,301	1,045,861 .....	.....	.....
..... 61727	..34-0970995 ..	..08/31/2012 ..	Cigna National Health Insurance Company	OH.....	CO/I	OL.....	7,745,229	1,093,364	195,347	(1,023,364) .....	.....	.....
..... 67903	..23-1335885 ..	..08/31/2012 ..	Provident American Life & Health Insurance Company	OH.....	CO/I	OL.....	4,121,763	1,979,922	315,981	64,522 .....	.....	.....
..... 88366	..59-2760189 ..	..08/31/2012 ..	American Retirement Life Insurance Company	OH.....	CO/I	OL.....	951,322	684,717 .....	.....	.....3,000 .....	.....	.....
..... 65722	..63-0343428 ..	..01/01/2007 ..	Loyal American Life Insurance Company	OH.....	CO/I	IA.....	.....	.....10,732,121 .....	.....	.....742,771 .....	.....	.....
..... 62200	..95-2496321 ..	..06/30/2011 ..	Accordia Life and Annuity Company	IA.....	CO/I	FA.....	.....	.....2,639,685 .....	.....	.....	.....	.....
..... 62200	..95-2496321 ..	..06/30/2011 ..	Accordia Life and Annuity Company	IA.....	CO/I	OL.....	2,110,286	1,653,196 .....	.....	.....64,042 .....	.....	.....
0899999. General Account - U.S. Non-Affiliates							234,755,186	180,497,706	3,637,276	4,495,277	0	0
1099999. Total General Account - Non-Affiliates							234,755,186	180,497,706	3,637,276	4,495,277	0	0
1199999. Total General Account							234,755,186	180,497,706	3,637,276	4,495,277	0	0
1499999. Total Separate Accounts - U.S. Affiliates							0	0	0	0	0	0
1799999. Total Separate Accounts - Non-U.S. Affiliates							0	0	0	0	0	0
1899999. Total Separate Accounts - Affiliates							0	0	0	0	0	0
2199999. Total Separate Accounts - Non-Affiliates							0	0	0	0	0	0
2299999. Total Separate Accounts							0	0	0	0	0	0
2399999. Total U.S. (Sum of 0399999, 0899999, 1499999 and 1999999)							234,755,186	180,497,706	3,637,276	4,495,277	0	0
2499999. Total Non-U.S. (Sum of 0699999, 0999999, 1799999 and 2099999)							0	0	0	0	0	0
9999999 - Totals							234,755,186	180,497,706	3,637,276	4,495,277	0	0

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE S - PART 1 - SECTION 2

Reinsurance Assumed Accident and Health Insurance Listed by Reinsured Company as of December 31, Current Year

[illegible]

SCHEDULE S - PART 2

[illegible]

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE S - PART 3 - SECTION 1

Reinsurance Ceded Life Insurance, Annuities, Deposit Funds and Other Liabilities Without Life or Disability Contingencies, and Related Benefits Listed by Reinsuring Company as of December 31, Current Year

1 NAIC Company Code	2 ID Number	3 Effective Date	4 Name of Company	5 Domi- ciliary Juris- diction	6 Type of Reinsurance Ceded	7 Type of Business Ceded	8 Amount in Force at End of Year	Reserve Credit Taken		11 Premiums	Outstanding Surplus Relief		14 Modified Coinsurance Reserve	15 Funds Withheld Under Coinsurance
								9	10		12	13		
								Current Year	Prior Year		Current Year	Prior Year		
3699999.	Total General Account - Reciprocal Jurisdiction U.S. Affiliates						0	0	0	0	0	0	0	0
....00000	..AA-3191494 ..	02/01/2022 ..	Martello Re Limited	BMU.....	COFII/I	FA .....	.....	2,675,148,305	3,178,492,609	26,709,938	.....	.....	.....	2,694,010,744
....00000	..AA-3191494 ..	02/01/2022 ..	Martello Re Limited	BMU.....	COFII/I	IA .....	.....	7,098,935,619	9,238,099,413	7,429,069	.....	.....	.....	7,148,990,132
....00000	..AA-3191494 ..	02/01/2022 ..	Martello Re Limited	BMU.....	COFII/I	OA .....	.....	124,123,265	118,484,098	.....	.....	.....	.....	124,998,457
3899999.	General Account - Reciprocal Jurisdiction Non-U.S. Affiliates - Other						0	9,898,207,189	12,535,076,120	34,139,007	0	0	0	9,967,999,333
3999999.	Total General Account - Reciprocal Jurisdiction Non-U.S. Affiliates						0	9,898,207,189	12,535,076,120	34,139,007	0	0	0	9,967,999,333
4099999.	Total General Account - Reciprocal Jurisdiction Affiliates						0	9,898,207,189	12,535,076,120	34,139,007	0	0	0	9,967,999,333
4399999.	Total General Account - Reciprocal Jurisdiction Non-Affiliates						0	0	0	0	0	0	0	0
4499999.	Total General Account Reciprocal Jurisdiction						0	9,898,207,189	12,535,076,120	34,139,007	0	0	0	9,967,999,333
4599999.	Total General Account Authorized, Unauthorized, Reciprocal Jurisdiction and Certified						2,240,543,999	15,294,851,516	18,665,390,808	270,895,652	0	0	533,736	9,967,999,333
4899999.	Total Separate Accounts - Authorized U.S. Affiliates						0	0	0	0	0	0	0	0
5199999.	Total Separate Accounts - Authorized Non-U.S. Affiliates						0	0	0	0	0	0	0	0
5299999.	Total Separate Accounts - Authorized Affiliates						0	0	0	0	0	0	0	0
5599999.	Total Separate Accounts - Authorized Non-Affiliates						0	0	0	0	0	0	0	0
5699999.	Total Separate Accounts Authorized						0	0	0	0	0	0	0	0
5999999.	Total Separate Accounts - Unauthorized U.S. Affiliates						0	0	0	0	0	0	0	0
6299999.	Total Separate Accounts - Unauthorized Non-U.S. Affiliates						0	0	0	0	0	0	0	0
6399999.	Total Separate Accounts - Unauthorized Affiliates						0	0	0	0	0	0	0	0
6699999.	Total Separate Accounts - Unauthorized Non-Affiliates						0	0	0	0	0	0	0	0
6799999.	Total Separate Accounts Unauthorized						0	0	0	0	0	0	0	0
7099999.	Total Separate Accounts - Certified U.S. Affiliates						0	0	0	0	0	0	0	0
7399999.	Total Separate Accounts - Certified Non-U.S. Affiliates						0	0	0	0	0	0	0	0
7499999.	Total Separate Accounts - Certified Affiliates						0	0	0	0	0	0	0	0
7799999.	Total Separate Accounts - Certified Non-Affiliates						0	0	0	0	0	0	0	0
7899999.	Total Separate Accounts Certified						0	0	0	0	0	0	0	0
8199999.	Total Separate Accounts - Reciprocal Jurisdiction U.S. Affiliates						0	0	0	0	0	0	0	0
8499999.	Total Separate Accounts - Reciprocal Jurisdiction Non-U.S. Affiliates						0	0	0	0	0	0	0	0
8599999.	Total Separate Accounts - Reciprocal Jurisdiction Affiliates						0	0	0	0	0	0	0	0
8899999.	Total Separate Accounts - Reciprocal Jurisdiction Non-Affiliates						0	0	0	0	0	0	0	0
8999999.	Total Separate Accounts Reciprocal Jurisdiction						0	0	0	0	0	0	0	0
9099999.	Total Separate Accounts Authorized, Unauthorized, Reciprocal Jurisdiction and Certified						0	0	0	0	0	0	0	0
9199999.	Total U.S. (Sum of 0399999, 0899999, 1499999, 1999999, 2599999, 3099999, 3699999, 4199999, 4899999, 5399999, 5999999, 6499999, 7099999, 7599999, 8199999 and 8699999)						2,240,543,999	5,396,644,327	6,130,314,688	236,756,645	0	0	533,736	0
9299999.	Total Non-U.S. (Sum of 0699999, 0999999, 1799999, 2099999, 2899999, 3199999, 3999999, 4299999, 5199999, 5499999, 6299999, 6599999, 7399999, 7699999, 8499999 and 8799999)						0	9,898,207,189	12,535,076,120	34,139,007	0	0	0	9,967,999,333
9999999.	Totals						2,240,543,999	15,294,851,516	18,665,390,808	270,895,652	0	0	533,736	9,967,999,333

Schedule S - Part 4

N O N E

Schedule S - Part 4 - Bank Footnote

N O N E

Schedule S - Part 5

N O N E

Schedule S - Part 5 - Bank Footnote

N O N E

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE S - PART 6
Five Year Exhibit of Reinsurance Ceded Business
(\$000 Omitted)

	1 2023	2 2022	3 2021	4 2020	5 2019
A. OPERATIONS ITEMS					
1. Premiums and annuity considerations for life and accident and health contracts	275,619	14,584,804	774,396	6,717,488	126,925
2. Commissions and reinsurance expense allowances	70,234	496,787	(50,838)	(26,623)	514,414
3. Contract claims	538,376	645,173	165,253	96,053	43,248
4. Surrender benefits and withdrawals for life contracts	3,722,630	2,268,715	648,827	219,717	36,540
5. Dividends to policyholders and refunds to members	161	176	183	190	195
6. Reserve adjustments on reinsurance ceded	0	0	0	0	(1,080)
7. Increase in aggregate reserve for life and accident and health contracts	3,366,927	11,926,055	186,928	5,973,186	(533,772)
B. BALANCE SHEET ITEMS					
8. Premiums and annuity considerations for life and accident and health contracts deferred and uncollected	11	25	16	32	21
9. Aggregate reserves for life and accident and health contracts	15,225,216	18,719,613	6,687,740	6,500,988	527,778
10. Liability for deposit-type contracts	124,863	118,878	256	79	103
11. Contract claims unpaid	137,635	164,652	52,308	38,332	6,871
12. Amounts recoverable on reinsurance	2,547	1,961	2,745	4,067	1,618
13. Experience rating refunds due or unpaid					
14. Policyholders' dividends and refunds to members (not included in Line 10)					
15. Commissions and reinsurance expense allowances due					
16. Unauthorized reinsurance offset	0	0	0	0	0
17. Offset for reinsurance with Certified Reinsurers				0	0
C. UNAUTHORIZED REINSURANCE (DEPOSITS BY AND FUNDS WITHHELD FROM)					
18. Funds deposited by and withheld from (F)	0	11,246,343	0	0	0
19. Letters of credit (L)	0	0	0	0	0
20. Trust agreements (T)	0	0	0	0	0
21. Other (O)	0	1,430,954	0	0	0
D. REINSURANCE WITH CERTIFIED REINSURERS (DEPOSITS BY AND FUNDS WITHHELD FROM)					
22. Multiple Beneficiary Trust				0	0
23. Funds deposited by and withheld from (F)				0	0
24. Letters of credit (L)				0	0
25. Trust agreements (T)				0	0
26. Other (O)				0	0

SCHEDULE S - PART 7

Restatement of Balance Sheet to Identify Net Credit for Ceded Reinsurance

	1 As Reported (net of ceded)	2 Restatement Adjustments	3 Restated (gross of ceded)
ASSETS (Page 2, Col. 3)			
1. Cash and invested assets (Line 12)	44,750,997,240	43,768,800	44,794,766,040
2. Reinsurance (Line 16)	454,191,336	(454,191,336)	0
3. Premiums and considerations (Line 15)	5,621,784	11,026	5,632,810
4. Net credit for ceded reinsurance	XXX	5,928,503,703	5,928,503,703
5. All other admitted assets (balance)	1,357,319,830		1,357,319,830
6. Total assets excluding Separate Accounts (Line 26)	46,568,130,190	5,518,092,193	52,086,222,383
7. Separate Account assets (Line 27)	443,319,567		443,319,567
8. Total assets (Line 28)	47,011,449,757	5,518,092,193	52,529,541,950
LIABILITIES, CAPITAL AND SURPLUS (Page 3)			
9. Contract reserves (Lines 1 and 2)	30,212,160,757	15,225,216,106	45,437,376,863
10. Liability for deposit-type contracts (Line 3)	787,970,274	124,863,499	912,833,773
11. Claim reserves (Line 4)	165,276,908	137,634,626	302,911,534
12. Policyholder dividends/member refunds/reserves (Lines 5 through 7)	0		0
13. Premium & annuity considerations received in advance (Line 8)	94,251	46,590	140,841
14. Other contract liabilities (Line 9)	684,959		684,959
15. Reinsurance in unauthorized companies (Line 24.02 minus inset amount)	0	0	0
16. Funds held under reinsurance treaties with unauthorized reinsurers (Line 24.03 minus inset amount)	0		0
17. Reinsurance with Certified Reinsurers (Line 24.02 inset amount)	0		0
18. Funds held under reinsurance treaties with Certified Reinsurers (Line 24.03 inset amount)			0
19. All other liabilities (balance)	12,317,487,441	(9,969,668,628)	2,347,818,813
20. Total liabilities excluding Separate Accounts (Line 26)	43,483,674,590	5,518,092,193	49,001,766,783
21. Separate Account liabilities (Line 27)	443,319,567		443,319,567
22. Total liabilities (Line 28)	43,926,994,157	5,518,092,193	49,445,086,350
23. Capital & surplus (Line 38)	3,084,455,600	XXX	3,084,455,600
24. Total liabilities, capital & surplus (Line 39)	47,011,449,757	5,518,092,193	52,529,541,950
NET CREDIT FOR CEDED REINSURANCE			
25. Contract reserves	15,225,216,106		
26. Claim reserves	137,634,626		
27. Policyholder dividends/reserves	0		
28. Premium & annuity considerations received in advance	46,590		
29. Liability for deposit-type contracts	124,863,499		
30. Other contract liabilities	0		
31. Reinsurance ceded assets	454,191,336		
32. Other ceded reinsurance recoverables	(43,768,800)		
33. Total ceded reinsurance recoverables	15,898,183,357		
34. Premiums and considerations	11,026		
35. Reinsurance in unauthorized companies	0		
36. Funds held under reinsurance treaties with unauthorized reinsurers	0		
37. Reinsurance with Certified Reinsurers	0		
38. Funds held under reinsurance treaties with Certified Reinsurers	0		
39. Other ceded reinsurance payables/offsets	9,969,668,628		
40. Total ceded reinsurance payable/offsets	9,969,679,654		
41. Total net credit for ceded reinsurance	5,928,503,703		

SCHEDULE T - PART 2
INTERSTATE COMPACT - EXHIBIT OF PREMIUMS WRITTEN

Allocated by States and Territories

			Direct Business Only					
			1	2	3	4	5	6
States, Etc.			Life (Group and Individual)	Annuities (Group and Individual)	Disability Income (Group and Individual)	Long-Term Care (Group and Individual)	Deposit-Type Contracts	Totals
1.	Alabama	AL	151,538	185,086,672		12,107	0	185,250,317
2.	Alaska	AK	6,986	2,888,059			0	2,895,045
3.	Arizona	AZ	464,849	165,777,472		12,488	768,131	167,022,940
4.	Arkansas	AR	146,391	56,364,471		1,201	867,687	57,379,750
5.	California	CA	4,300,706	932,757,639	345	7,506	508,105	937,574,301
6.	Colorado	CO	204,117	103,896,133		79,458	6,844	104,186,552
7.	Connecticut	CT	318,530	162,246,594	82	2,519	259,813	162,827,538
8.	Delaware	DE	48,410	45,539,844			0	45,588,254
9.	District of Columbia	DC	23,657	7,639,889			0	7,663,546
10.	Florida	FL	1,585,345	822,309,433	164	35,724	1,166,616	825,097,282
11.	Georgia	GA	701,056	240,246,602		71,336	207,657	241,226,651
12.	Hawaii	HI	244,584	65,447,360			0	65,691,944
13.	Idaho	ID	75,867	48,063,446		2,604	0	48,141,917
14.	Illinois	IL	619,134	279,524,874		85,764	265,197	280,494,969
15.	Indiana	IN	154,254	196,379,254		7,572	249,374	196,790,454
16.	Iowa	IA	140,213	65,789,005		8,113	0	65,937,331
17.	Kansas	KS	98,170	28,911,774		64,358	0	29,074,302
18.	Kentucky	KY	162,403	104,260,329		842	0	104,423,574
19.	Louisiana	LA	206,283	172,874,908		4,510	571,350	173,657,051
20.	Maine	ME	67,946	32,513,673		3,875	0	32,585,494
21.	Maryland	MD	470,760	174,603,421		10,133	139,759	175,224,073
22.	Massachusetts	MA	404,375	214,837,798			1,590,655	216,832,828
23.	Michigan	MI	270,521	323,736,516			30,613	324,037,650
24.	Minnesota	MN	399,081	130,349,632		5,130	122,996	130,876,839
25.	Mississippi	MS	124,568	51,983,172		2,932	794,531	52,905,203
26.	Missouri	MO	286,212	477,400,626		103,052	333,889	478,123,779
27.	Montana	MT	9,305	7,063,667		6,987	260,648	7,340,607
28.	Nebraska	NE	168,334	38,867,878		56,607	0	39,092,819
29.	Nevada	NV	257,096	55,928,413	357		0	56,185,866
30.	New Hampshire	NH	50,474	39,633,817		51,229	1,993,666	41,729,186
31.	New Jersey	NJ	503,019	383,546,191	144	3,303	958,385	385,011,042
32.	New Mexico	NM	205,764	15,815,613			37,756	16,059,133
33.	New York	NY	122,104	22,885,095		5,069	0	23,012,268
34.	North Carolina	NC	970,000	351,974,975		1,168,004	142,860	354,255,839
35.	North Dakota	ND	46,202	22,433,878			144,879	22,624,959
36.	Ohio	OH	433,316	369,429,347		(578)	912,614	370,774,699
37.	Oklahoma	OK	502,973	51,256,821		3,064	156,126	51,918,984
38.	Oregon	OR	99,311	64,311,213		60,769	291,112	64,762,405
39.	Pennsylvania	PA	984,045	538,660,310		6,300	987,456	540,638,111
40.	Rhode Island	RI	49,319	55,501,464		10,193	0	55,560,976
41.	South Carolina	SC	367,459	198,562,591		15,508	798,520	199,744,078
42.	South Dakota	SD	34,157	20,797,246			0	20,831,403
43.	Tennessee	TN	327,256	276,834,323		98,805	0	277,260,384
44.	Texas	TX	2,098,951	453,706,783		8,452	3,066,305	458,880,491
45.	Utah	UT	126,280	70,071,717			122,452	70,320,449
46.	Vermont	VT	34,031	16,914,846		20,367	0	16,969,244
47.	Virginia	VA	758,300	192,162,888		193,699	77,923	193,192,810
48.	Washington	WA	293,019	176,823,844	104	148,789	861,022	178,126,778
49.	West Virginia	WV	108,039	49,260,533			0	49,368,572
50.	Wisconsin	WI	217,811	180,809,888		214,053	0	181,241,752
51.	Wyoming	WY	21,652	7,574,948			0	7,596,600
52.	American Samoa	AS	0	0			0	0
53.	Guam	GU	80,325	0			0	80,325
54.	Puerto Rico	PR	433	20,000			0	20,433
55.	U.S. Virgin Islands	VI	1,621	0			0	1,621
56.	Northern Mariana Islands	MP	0	0			0	0
57.	Canada	CAN	0	0			0	0
58.	Aggregate Other Alien	OT	76,516	157,509			0	234,025
59.	Total		20,623,068	8,752,434,394	1,196	2,591,844	18,694,941	8,794,345,443

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
. 0435 ...	Massachusetts Mut Life Ins Co	... 65935 ...	04-1590850 ..	3848388 .....	.....	.....	Massachusetts Mutual Life Insurance Company (MMLIC)	.. MA.....	... UIP.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0435 ...	Massachusetts Mut Life Ins Co	... 93432 ...	06-1041383 ..	.....	.....	.....	C.M. Life Insurance Company	.. CT.....	... IA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0435 ...	Massachusetts Mut Life Ins Co	... 70416 ...	43-0581430 ..	.....	.....	.....	MML Bay State Life Insurance Company	.. CT.....	... IA.....	C.M. Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							CM Life Mortgage Lending LLC	.. DE.....	... NIA.....	C.M. Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...	Massachusetts Mut Life Ins Co	... 93432 ...	06-1041383 ..	.....	.....	.....	CML Mezzanine Investor III, LLC	.. DE.....	... NIA.....	C.M. Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...	Massachusetts Mut Life Ins Co	... 70416 ...	43-0581430 ..	.....	.....	.....	CML Special Situations Investor LLC	.. DE.....	... NIA.....	C.M. Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			06-1041383 ..	.....	.....	.....	CML Global Capabilities LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							MM Global Capabilities I LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							MassMutual Global Business Services India LLP	.. IND.....	... NIA.....	MM Global Capabilities I LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							MM Global Capabilities (Netherlands) B.V. ...	.. NLD.....	... NIA.....	MM Global Capabilities I LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							MassMutual Global Business Services Romania S.R.L.	.. ROU.....	... NIA.....	MM Global Capabilities (Netherlands) B.V.	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							MM Global Capabilities II LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							MM Global Capabilities III LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							MM/Barings Multifamily TEBS 2020 LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Berkshire Way LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							MML Special Situations Investor LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			47-5322979 ..	.....	.....	.....	Timberland Forest Holding LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			47-5322979 ..	.....	.....	.....	Timberland Forest Holding LLC	.. DE.....	... NIA.....	C.M. Life Insurance Company	Influence.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			47-5322979 ..	.....	.....	.....	Timberland Forest Holding LLC	.. DE.....	... NIA.....	Wood Creek Capital Management LLC	Management.....	... 0.000 ...	MMLIC .....	.....	.....
. 0000 ...			47-5322979 ..	.....	.....	.....	Lyme Adirondack Forest Company, LLC	.. DE.....	... NIA.....	Timberland Forest Holding LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							Lyme Adirondack Timberlands I, LLC	.. DE.....	... NIA.....	Lyme Adirondack Forest Company, LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							Lyme Adirondack Timberlands II, LLC	.. DE.....	... NIA.....	Lyme Adirondack Forest Company, LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							Lyme Adirondack Timber Sales, LLC	.. DE.....	... NIA.....	Lyme Adirondack Forest Company, LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MSP-SC, LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Insurance Road LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MassMutual Trad Private Equity LLC	.. DE.....	... NIA.....	Insurance Road LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MassMutual Intellectual Property LLC	.. DE.....	... NIA.....	Insurance Road LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							Trad Investments I LLC	.. DE.....	... NIA.....	Insurance Road LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							ITPSHolding LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							HITPS LLC	.. DE.....	... NIA.....	ITPS Holding LLC	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	EM Opportunities LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MassMutual MCAM Insurance Company, Inc.	.. VT.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MassMutual Ventures US IV GP, LLC	.. DE.....	... NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	... 99.000 ...	MMLIC .....	.....	.....
. 0000 ...							MassMutual Ventures US IV GP, LLC	.. DE.....	... NIA.....	Massachusetts Mutual Ascend	Ownership.....	... 1.000 ...	MMLIC .....	.....	.....

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Owner- ship Provide Percen- tage	14 Ultimate Controlling Entity(ies)/Person(s)	15 Is an SCA Filing Re- quired? (Yes/No)	16 *
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi- ciliary Loca- tion	Rela- tion- ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)					
.0000 ...							MassMutual Ventures US IV, L.P.	..DE....	..NIA....	MassMutual Ventures US IV GP, LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							MassMutual Ventures US IV LLC	..DE....	..NIA....	MassMutual Ventures US IV, L.P.	Ownership.....	100.000 ...	MMLIC		
.0435 ...							MassMutual Ventures Europe/APAC I GP, LLC ..	..DE....	..NIA....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC		
.0435 ...			27-0105644 ..				MassMutual Ventures Europe/APAC I GP, L.P. .	..CYM....	..NIA....	MassMutual Ventures Europe/APAC I GP, LLC	Ownership.....	100.000 ...	MMLIC		1
.0435 ...			86-2294635 ..				MassMutual Ventures Europe/APAC I L.P.	..CYM....	..NIA....	MassMutual Ventures Europe/APAC I GP, L.P.	Ownership.....	100.000 ...	MMLIC		
.0435 ...	Massachusetts Mut Life Ins Co	63312 ..	13-1935920 ..				Counterpointe Sustainable Advisors LLC	..DE....	..NIA....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC		
.0000 ...			31-1422717 ..				CSA Intermediate Holdco LLC	..DE....	..NIA....	Counterpointe Sustainable Advisors LLC	Ownership.....	100.000 ...	MMLIC		
.0435 ...	Massachusetts Mut Life Ins Co	93661 ..	31-1021738 ..				Counterpointe Trust Services LLC	..DE....	..NIA....	CSA Intermediate Holdco LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...			31-1395344 ..				CP PACE LLC	..DE....	..NIA....	CSA Intermediate Holdco LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...			26-3260520 ..				CSA Employee Services Company LLC	..DE....	..NIA....	CSA Intermediate Holdco LLC	Ownership.....	100.000 ...	MMLIC		
.0435 ...	Massachusetts Mut Life Ins Co	67083 ..	45-0252531 ..				Counterpointe Sustainable Real Estate II LLC	..DE....	..NIA....	CSA Intermediate Holdco LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Counterpointe Energy Solutions II LLC	..DE....	..NIA....	CSA Intermediate Holdco LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Counterpointe Energy Solutions (CA) II LLC ..	..DE....	..NIA....	Counterpointe Energy Solutions II LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Counterpointe Energy Solutions (FL) II LLC ..	..DE....	..NIA....	Counterpointe Energy Solutions II LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Counterpointe Energy Solutions (IL) LLC	..DE....	..NIA....	Counterpointe Energy Solutions II LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Loop-Counterpointe PACE LLC	..DE....	..NIA....	Counterpointe Energy Solutions (IL) LLC ...	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Counterpointe Energy Services LLC	..DE....	..NIA....	CSA Intermediate Holdco LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JFIN Parent LLC	..DE....	..NIA....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC		
.0000 ...			27-0105644 ..				Jefferies Finance LLC	..DE....	..NIA....	JFIN Parent LLC	Ownership.....	50.000 ...	MMLIC		1
.0000 ...							JFIN GP Adviser LLC	..DE....	..NIA....	Jefferies Finance LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JFIN Fund III LLC	..DE....	..NIA....	Jefferies Finance LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Jefferies Credit Partners LLC	..DE....	..NIA....	Jefferies Finance LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Apex Credit Partners LLC	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Jefferies Credit Management LLC	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JCM GP I LLC	..DE....	..NIA....	Jefferies Credit Management LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JCP Direct Lending CLO 2022 LLC	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	9.900 ...	MMLIC		
.0000 ...							Jefferies Direct Lending Europe SCSp SICAV- RAIF	..LUX....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	9.900 ...	MMLIC		
.0000 ...							Jefferies Credit Management Holdings LLC	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	9.900 ...	MMLIC		
.0000 ...							Senior Credit Investments, LLC	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	9.900 ...	MMLIC		
.0000 ...							JDLF GP (Europe) S.a.r.l	..LUX....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JFAM GP LLC	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JFAM GP LP	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Jefferies Direct Lending Fund C LP	..DE....	..NIA....	JFAM GP LP	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Jefferies DLF C Holdings LLC	..DE....	..NIA....	Jefferies Direct Lending Fund C LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Jefferies Direct Lending Fund C SPE LLC	..DE....	..NIA....	Jefferies DLF C Holdings LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JDLF II GP LLC	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JDLF II GP LP	..DE....	..NIA....	JDLF II GP LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Jefferies Direct Lending Fund II C LP	..DE....	..NIA....	JDLF II GP LP	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Jefferies DLF 2 C Holdings LLC	..DE....	..NIA....	Jefferies Direct Lending Fund II C LP	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Jefferies Direct Lending Fund II C SPE LLC ..	..DE....	..NIA....	Jefferies DLF 2 C Holdings LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JCP Direct Lending CLO 2023-1 LLC	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JCP Direct Lending CLO 2023 Ltd.	..JEY....	..NIA....	JCP Direct Lending CLO 2023 Ltd.	Ownership.....	100.000 ...	MMLIC		
.0000 ...							JCP GP I LLC	..DE....	..NIA....	Jefferies Credit Partners LLC	Ownership.....	100.000 ...	MMLIC		
.0000 ...							Jefferies Private Credit BDC Inc.	..MD....	..NIA....	Jefferies Finance LLC	Ownership.....	100.000 ...	MMLIC		

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
.0000							Jefferies Senior Lending LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							Jefferies Credit Partners BDC Inc	..MD	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver Holdings LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver Holdings II LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Co-Issuer Corporation	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Europe GP, S.a.r.l.	..LUX	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							Jefferies Finance Europe, S.L.P.	..LUX	NIA	JFIN Europe GP, S.a.r.l.	Ownership	100.000	MMLIC		
.0000							Jefferies Finance Europe, SCSp	..LUX	NIA	JFIN Europe GP, S.a.r.l.	Ownership	100.000	MMLIC		
.0000							Jefferies Finance Business Credit LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Business Credit Fund I LLC	..DE	NIA	Jefferies Finance Business Credit LLC	Ownership	100.000	MMLIC		
.0000							JFIN Funding 2021 LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN LC Fund LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2017 Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2017-II Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2017-III Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2018 Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2019 Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2019-II Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2020 Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2021-II Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2021-V Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2022-II Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2022-III Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2022-IV Ltd.	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver CLO 2022-IV LLC	..CYM	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver Fund, L.P.	..DE	NIA	Jefferies Finance LLC	Ownership	90.000	MMLIC		
.0000							JFIN Revolver Funding 2021 Ltd.	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver Funding 2021 III Ltd.	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver Funding 2021 IV Ltd.	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver Funding 2022-I Ltd.	..BMU	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver SPE1 2022 LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver SPE3 2022 LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver SPE4 2022 LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JFIN Revolver SPE4 2022 Ltd.	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							SFL Parkway Funding 2022 LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JCP Private Loan Management GP LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							JCP Private Loan Management LP	..DE	NIA	JCP Private Loan Management GP LLC	Ownership	100.000	MMLIC		
.0000							Beauty Brands Acquisition Holdings LLC	..DE	NIA	Jefferies Finance LLC	Ownership	100.000	MMLIC		
.0000							Beauty Brands Acquisition LLC	..DE	NIA	Beauty Brands Acquisition Holdings LLC	Ownership	100.000	MMLIC		
.0000							Beauty Brands Acquisition Intermediate LLC	..DE	NIA	Beauty Brands Acquisition LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				Forma Brands, LLC	..DE	NIA	Beauty Brands Acquisition Intermediate LLC	Ownership	100.000	MMLIC		
.0000							Apex Credit Holdings LLC	..DE	NIA	JFIN Parent LLC	Ownership	100.000	MMLIC		
.0000							JFIN CLO 2012 Ltd.	..CYM	NIA	Apex Credit Holdings LLC	Ownership	100.000	MMLIC		
.0000							JFIN CLO 2013 Ltd.	..CYM	NIA	Apex Credit Holdings LLC	Ownership	100.000	MMLIC		
.0000							JFIN CLO 2014 Ltd.	..CYM	NIA	Apex Credit Holdings LLC	Ownership	100.000	MMLIC		
.0000							JFIN CLO 2014-II Ltd.	..CYM	NIA	Apex Credit Holdings LLC	Ownership	100.000	MMLIC		
.0000			26-0073611				JFIN CLO 2015 Ltd.	..CYM	NIA	Apex Credit Holdings LLC	Ownership	100.000	MMLIC		
.0000			26-0073611				JFIN CLO 2015-II Ltd.	..CYM	NIA	Apex Credit Holdings LLC	Ownership	85.000	MMLIC		

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
.0000			36-4785301				JFIN CLO 2016 Ltd.	.CYM	NIA	Apex Credit Holdings LLC	Ownership	100.000	MMLIC		
.0000			35-2590691				JFIN CLO 2017 Ltd.	.CYM	NIA	Apex Credit Holdings LLC	Ownership	100.000	MMLIC		
.0000			32-0546197				JFIN CLO 2017-II Ltd.	.CYM	NIA	Apex Credit Holdings LLC	Ownership	100.000	MMLIC		
.0000			82-5335801				Tomorrow Parent, LLC	.DE	NIA	JFIN Parent LLC	Ownership	100.000	MMLIC		
.0000			83-3722640				Custom Ecology Holdco, LLC	.DE	NIA	JFIN Parent LLC	Ownership	100.000	MMLIC		
.0000			86-2294635				Glidepath Holdings Inc.	.DE	UDP	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC		
.0435	Massachusetts Mut Life Ins Co	63312	13-1935920				MassMutual Ascend Life Insurance Company	.OH	.RE	Glidepath Holdings Inc.	Ownership	100.000	MMLIC		
.0000			31-1422717				AAG Insurance Agency, LLC	.KY	NIA	MassMutual Ascend Life Insurance Company	Ownership	100.000	MMLIC		
.0435	Massachusetts Mut Life Ins Co	93661	31-1021738				Annuity Investors Life Insurance Company	.OH	.DS	MassMutual Ascend Life Insurance Company	Ownership	100.000	MMLIC		
.0000			31-1395344				MM Ascend Life Investor Services, LLC	.OH	NIA	MassMutual Ascend Life Insurance Company	Ownership	100.000	MMLIC		
.0000							MM Ascend Mortgage Lending LLC	.OH	.DS	MassMutual Ascend Life Insurance Company	Ownership	100.000	MMLIC		
.0000			26-3260520				Manhattan National Holding, LLC	.OH	.DS	MassMutual Ascend Life Insurance Company	Ownership	100.000	MMLIC		
.0435	Massachusetts Mut Life Ins Co	67083	45-0252531				Manhattan National Life Insurance Company	.OH	.DS	Manhattan National Holding LLC	Ownership	100.000	MMLIC		
.0000			04-3548444				MassMutual Mortgage Lending LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC		
.0000			04-1590850				MM Copper Hill Road LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC		
.0000							MMV CTF I GP LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC		
.0000							MassMutual Ventures Climate Technology Fund I LP	.DE	NIA	MMV CTF I GP LLC	Ownership	100.000	MMLIC		
.0000							MM Direct Private Investments Holding LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC		
.0000							MM Direct Private Investments UK Limited	.GBR	NIA	MM Direct Private Investments Holding LLC	Ownership	100.000	MMLIC		
.0000							DPI-ACRES Capital LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC		
.0000							DPI-ARES Mortgage Lending LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC		
.0000							MM Investment Holding	.CYM	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC		
.0000			04-3356880				MMTH Bond Holdings LLC	.DE	NIA	MM Investment Holding	Ownership	99.610	MMLIC		
.0000			26-0073611				MassMutual Asset Finance LLC	.DE	NIA	C.M. Life Insurance Company	Ownership	0.400	MMLIC		
.0000			26-0073611				MassMutual Asset Finance LLC	.DE	NIA	MM Investment Holding	Ownership	99.600	MMLIC		
.0000			32-0546197				MMAF Equipment Finance LLC 2017-B	.DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC		
.0000			83-3722640	2881445			MMAF Equipment Finance LLC 2019-A	.DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				MMAF Equipment Finance LLC 2019-B	.DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				MMAF Equipment Finance LLC 2020-A	.DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				MMAF Equipment Finance LLC 2020-B	.DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				MMAF Equipment Finance LLC 2021-A	.DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC		
.0000			45-2738137				MMAF Equipment Finance LLC 2022-A	.DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC		
.0000			04-2854319	2392316			MMAF Equipment Finance LLC 2022-B	.DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC		
.0000			04-1597528				MMAF Equipment Finance LLC 2023-A	.DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC		
.0000			04-2443240				MML Management Corporation	.MA	NIA	MM Investment Holding	Ownership	100.000	MMLIC	YES	
.0000			04-3548444				MassMutual International Holding MSC, Inc.	.MA	NIA	MML Management Corporation	Ownership	100.000	MMLIC		
.0000			04-3341767				MassMutual Holding MSC, Inc.	.MA	NIA	MML Management Corporation	Ownership	100.000	MMLIC		
.0000			46-2252944				MML CM LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC		
.0000			04-1590850				Blueprint Income LLC	.NY	NIA	MML CM LLC	Ownership	100.000	MMLIC		
.0000			46-4255307				Flourish Holding Company LLC	.DE	NIA	MML CM LLC	Ownership	100.000	MMLIC		
.0000			45-3623262				Flourish Insurance Agency LLC	.DE	NIA	Flourish Holding Company LLC	Ownership	100.000	MMLIC		

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
. 0000 ...			82-4411267 ..				Flourish Digital Assets LLC	.. DE.....	.. NIA.....	Flourish Holding Company LLC	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...							Flourish Financial LLC	.. DE.....	.. NIA.....	Flourish Holding Company LLC	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...							Flourish Technologies LLC	.. DE.....	.. NIA.....	Flourish Holding Company LLC	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...			04-3356880 ..				MML Distributors LLC	.. MA.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 99.000 ...	MMLIC		
. 0000 ...			04-3356880 ..				MML Distributors LLC	.. MA.....	.. NIA.....	MassMutual Holding LLC	Ownership.....	.. 1.000 ...	MMLIC		
. 0000 ...							MML Investment Advisers, LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...			46-3238013 ..				MML Strategic Distributors, LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...			06-1563535 ..	2881445			The MassMutual Trust Company, FSB	.. CT.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC	...YES...	
. 0000 ...			04-1590850 ..				MML Private Placement Investment Company I, LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...			04-1590850 ..				MML Private Equity Fund Investor LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...			04-1590850 ..				MML Private Equity Fund Investor LLC	.. DE.....	.. NIA.....	Baring Asset Management Limited	Management.....	.. 100.000 ...	MMLIC		
. 0000 ...			04-1590850 ..				MM Private Equity Intercontinental LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...			45-2738137 ..				Pioneers Gate LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...			04-2854319 ..	2392316			MassMutual Holding LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC	...YES...	
. 0000 ...			37-1732913 ..				Fern Street LLC	.. DE.....	.. NIA.....	MassMutual Holding LLC	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...			04-1590850 ..				Low Carbon Energy Holding	.. GBR.....	.. NIA.....	MassMutual Holding LLC	Ownership.....	.. 49.000 ...	MMLIC		
. 0000 ...							Sleeper Street LLC	.. DE.....	.. NIA.....	MassMutual Holding LLC	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...							Teaktree Acquisition, LLC	.. DE.....	.. NIA.....	MassMutual Holding LLC	Ownership/Influence	.. 14.700 ...	MMLIC		
. 0000 ...							Teaktree Acquisition, LLC	.. DE.....	.. NIA.....	Barings LLC	Influence.....	.. 100.000 ...	MMLIC		
. 0000 ...			46-2252944 ..				Haven Life Insurance Agency, LLC	.. DE.....	.. NIA.....	MassMutual Holding LLC	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...			82-2932156 ..				GASL Holdings LLC	.. DE.....	.. NIA.....	MassMutual Holding LLC	Ownership.....	.. 11.300 ...	MMLIC		
. 0000 ...			82-2932156 ..				GASL Holdings LLC	.. DE.....	.. NIA.....	Barings LLC	Board	.. 100.000 ...	MMLIC		
. 0000 ...			36-4868350 ..				Barings Asset-Based Income Fund (US) LP	.. DE.....	.. NIA.....	MassMutual Holding LLC	Ownership/Influence	.. 10.800 ...	MMLIC		
. 0000 ...			36-4868350 ..				Barings Asset-Based Income Fund (US) LP	.. DE.....	.. NIA.....	C.M. Life Insurance Company	Ownership/Influence	.. 1.100 ...	MMLIC		
. 0000 ...			36-4868350 ..				Barings Asset-Based Income Fund (US) LP	.. DE.....	.. NIA.....	Barings LLC	Management.....	.. 100.000 ...	MMLIC		
. 0000 ...							Barings Perpetual European Direct Lending Fund	.. LUX.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	.. 95.800 ...	MMLIC		
. 0000 ...							Barings Perpetual European Direct Lending Fund	.. LUX.....	.. NIA.....	Barings LLC	Influence.....	.. 100.000 ...	MMLIC		
. 0000 ...			88-0916548 ..				Barings Emerging Generation Fund II	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	.. 74.300 ...	MMLIC		
. 0000 ...			88-0916548 ..				Barings Emerging Generation Fund II	.. DE.....	.. NIA.....	Barings LLC	Influence.....	.. 100.000 ...	MMLIC		
. 0000 ...			98-1206017 ..				Babson Capital Global Special Situation Credit Fund 2	.. DE.....	.. NIA.....	MassMutual Holding LLC	Ownership/Influence	.. 25.500 ...	MMLIC		
. 0000 ...			98-1206017 ..				Babson Capital Global Special Situation Credit Fund 2	.. DE.....	.. NIA.....	C.M. Life Insurance Company	Ownership.....	.. 1.600 ...	MMLIC		
. 0000 ...			98-1206017 ..				Babson Capital Global Special Situation Credit Fund 2	.. DE.....	.. NIA.....	Barings LLC	Management.....	.. 100.000 ...	MMLIC		
. 0000 ...			82-3867745 ..				Barings Global Real Assets Fund LP	.. DE.....	.. NIA.....	MassMutual Holding LLC	Ownership/Influence	.. 39.600 ...	MMLIC		
. 0000 ...			82-3867745 ..				Barings Global Real Assets Fund LP	.. DE.....	.. NIA.....	C.M. Life Insurance Company	Ownership.....	.. 6.900 ...	MMLIC		
. 0000 ...			82-3867745 ..				Barings Global Real Assets Fund LP	.. DE.....	.. NIA.....	Barings LLC	Management.....	.. 100.000 ...	MMLIC		

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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.0000			51-0504477				Barings Global Special Situations Credit Fund 3	.LUX	NIA	MassMutual Holding LLC	Ownership/Influence	20.000	MMLIC		
.0000			98-0524271				Barings Global Special Situations Credit Fund 3	.LUX	NIA	Barings LLC	Management	100.000	MMLIC		
.0000			38-4010344				Barings North American Private Loan Fund LP	.DE	NIA	MassMutual Holding LLC	Ownership/Influence	31.200	MMLIC		
.0000			38-4010344				Barings North American Private Loan Fund LP	.DE	NIA	Baring Asset Management Limited	Management	100.000	MMLIC		
.0000			06-1597528				MassMutual Assignment Company	.NC	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				MassMutual Capital Partners LLC	.DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000			46-4255307				Marco Hotel LLC	.DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000			45-3623262				HB Naples Golf Owner LLC	.DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000			82-4411267				RB Apartments LLC	.DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000			98-0236449				Intermodal Holding II LLC	.DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000							MassMutual Ventures Holding LLC	.DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000							Crane Venture Partners LLP	.GBR	NIA	MassMutual Ventures Holding LLC	Ownership	33.000	MMLIC		
.0000							MassMutual Ventures Management LLC	.DE	NIA	MassMutual Ventures Holding LLC	Ownership	100.000	MMLIC		
.0000			14-0045656				MassMutual Ventures SEA Management Private Limited	.DE	NIA	MassMutual Ventures Management LLC	Ownership	100.000	MMLIC		
.0000			98-0457456				MMV UK/SEA Limited	.GBR	NIA	MassMutual Ventures SEA Management Private Limited	Ownership	100.000	MMLIC		
.0000							MassMutual Ventures Southeast Asia I LLC	.DE	NIA	MassMutual Ventures Holding LLC	Ownership	100.000	MMLIC		
.0000							MassMutual Ventures Southeast Asia II LLC	.DE	NIA	MassMutual Ventures Holding LLC	Ownership	100.000	MMLIC		
.0000			80-0875475				MassMutual Ventures Southeast Asia III LLC	.DE	NIA	MassMutual Ventures Holding LLC	Ownership	100.000	MMLIC		
.0000							MassMutual Ventures Southeast Asia III LLC			MassMutual Ventures Southeast Asia III LLC					
.0000							MMV Digital I LLC	.CYM	NIA		Ownership	100.000	MMLIC		
.0000							MassMutual Ventures UK LLC	.DE	NIA	MassMutual Ventures Holding LLC	Ownership	100.000	MMLIC		
.0000			47-1296410				MassMutual Ventures US I LLC	.DE	NIA	MassMutual Ventures Holding LLC	Ownership	100.000	MMLIC		
.0000							MassMutual Ventures US II LLC	.DE	NIA	MassMutual Ventures Holding LLC	Ownership	100.000	MMLIC		
.0000			04-3238351				MassMutual Ventures US III LLC	.DE	NIA	MassMutual Ventures Holding LLC	Ownership	100.000	MMLIC		
.0000			98-0437588				MM Catalyst Fund LLC	.DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000							MM Catalyst Fund II LLC	.DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				MM Rothesay Holdco US LLC	.DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000							Rothesay Limited	.GBR	NIA	MM Rothesay Holdco US LLC	Ownership	48.800	MMLIC		
.0000							Rothesay Mortgages Limited	.GBR	NIA	Rothesay Limited	Ownership	100.000	MMLIC		
.0000							Rothesay Life Plc	.GBR	NIA	Rothesay Limited	Ownership	100.000	MMLIC		
.0000							Rothesay MA No.1 Limited	.GBR	NIA	Rothesay Life PLC	Ownership	100.000	MMLIC		
.0000							Rothesay MA No.3 Limited	.GBR	NIA	Rothesay Life PLC	Ownership	100.000	MMLIC		
.0000							Rothesay MA No.4 Limited	.GBR	NIA	Rothesay Life PLC	Ownership	100.000	MMLIC		
.0000			98-0432153				LT Mortgage Finance Limited	.GBR	NIA	Rothesay Life PLC	Ownership	100.000	MMLIC		
.0000							Rothesay Property Partnership 1 LLP	.GBR	NIA	Rothesay Life PLC	Ownership	100.000	MMLIC		
.0000			98-0241935				Rothesay Foundation	.GBR	NIA	Rothesay Limited	Ownership	100.000	MMLIC		
.0000							Rothesay Pensions Management Limited	.GBR	NIA	Rothesay Limited	Ownership	100.000	MMLIC		
.0000			98-0457328				Rothesay Asset Management UK Limited	.GBR	NIA	Rothesay Limited	Ownership	100.000	MMLIC		
.0000			98-0457587				Rothesay Asset Management Australia Pty Ltd	.AUS	NIA	Rothesay Asset Management UK Limited	Ownership	100.000	MMLIC		
.0000			98-0457576				Rothesay Asset Management North America LLC	.DE	NIA	Rothesay Asset Management UK Limited	Ownership	100.000	MMLIC		
.0000			04-1590850				MML Investors Services, LLC	.MA	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				MML Insurance Agency, LLC	.MA	NIA	MML Investors Services, LLC	Ownership	100.000	MMLIC		
.0000			41-2011634				MMLISI Financial Alliances, LLC	.DE	NIA	MML Investors Services, LLC	Ownership	100.000	MMLIC		
.0000			47-1466022				LifeScore Labs, LLC	.MA	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		
.0000			45-4000072				MM Asset Management Holding LLC	.MA	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC		

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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.0000			51-0504477				Barings LLC	.MA	NIA	MassMutual Holding LLC	Ownership	100.000	MM L C		
.0000			98-0524271				Baring Asset Management (Asia) Holdings Limited	.HKG	NIA	Barings LLC	Ownership	100.000	MM L C		
.0000			98-0457465				Baring International Fund Managers (Bermuda) Limited	.BMU	NIA	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MM L C		
.0000			98-0457463				Baring Asset Management (Asia) Limited	.HKG	NIA	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MM L C		
.0000							Baring Asset Management Korea Limited	.KOR	NIA	Baring Asset Management (Asia) Limited	Ownership	100.000	MM L C		
.0000							Barings Investment Management (Shanghai) Limited	.HKG	NIA	Baring Asset Management (Asia) Limited	Ownership	100.000	MM L C		
.0000							Barings Overseas Investment Fund Management (Shanghai) Limited	.HKG	NIA	Baring Asset Management (Asia) Limited	Ownership	100.000	MM L C		
.0000			98-0457707	3456895			Baring SICE (Taiwan) Limited	.TWN	NIA	Barings Investment Management (Shanghai) Limited	Ownership	100.000	MM L C		
.0000			81-2244465				Barings Singapore Pte. Ltd.	.SGP	NIA	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MM L C		
.0000			98-0236449				Barings Japan Limited	.JPN	NIA	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MM L C		
.0000			81-4258759				Barings Australia Holding Company Pty Ltd	.AUS	NIA	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MM L C		
.0000			83-0560183				Barings Australia Pty Ltd	.AUS	NIA	Barings Australia Holding Company Pty Ltd	Ownership	100.000	MM L C		
.0000			83-0560183				Barings Australia Real Estate Holdings Pty Ltd	.AUS	NIA	Barings LLC	Ownership	100.000	MM L C		
.0000			14-0045656				Barings Australia Real Estate Pty Ltd	.AUS	NIA	Barings Australia Real Estate Holdings Pty Ltd	Ownership	100.000	MM L C		
.0000			98-0457456				Barings Australia Property Partners Holdings Pty Ltd	.AUS	NIA	Barings Australia Real Estate Pty Ltd	Ownership	100.000	MM L C		
.0000			46-2344300				Barings Australia Asset Management Pty Ltd	.AUS	NIA	Barings Australia Property Partners Holdings Pty Ltd	Ownership	100.000	MM L C		
.0000			46-2344300				Barings Australia Property Partners Pty Ltd	.AUS	NIA	Barings Australia Property Partners Holdings Pty Ltd	Ownership	100.000	MM L C		
.0000			47-3055009				Barings Australia Structured Finance Holdings Pty Ltd	.AUS	NIA	Barings Australia Structured Finance Holdings Pty Ltd	Ownership	100.000	MM L C		
.0000							Barings Australia Structured Finance Pty Ltd	.AUS	NIA	Barings LLC	Ownership	100.000	MM L C		
.0000							Gryphon Capital Partners Pty Ltd	.AUS	NIA	Barings Australia Structured Finance Pty Ltd	Ownership	100.000	MM L C		
.0000			46-5460309				Gryphon Capital Management Pty Ltd	.AUS	NIA	Gryphon Capital Partners Pty Ltd	Ownership	100.000	MM L C		
.0000			46-5460309				Gryphon Capital Investments Pty Ltd	.AUS	NIA	Gryphon Capital Partners Pty Ltd	Ownership	100.000	MM L C		
.0000			80-0875475				Barings Finance LLC	.DE	NIA	Barings LLC	Ownership	100.000	MM L C		
.0000			81-4065378				BCF Europe Funding Limited	.IRL	NIA	Barings Finance LLC	Ownership	100.000	MM L C		
.0000							BCF Senior Funding I LLC	.DE	NIA	Barings Finance LLC	Ownership	100.000	MM L C		
.0000							BCF Senior Funding I Designated Activity Company	.IRL	NIA	Barings Finance LLC	Ownership	100.000	MM L C		
.0000							Barings Real Estate Acquisitions LLC	.DE	NIA	Barings LLC	Ownership	100.000	MM L C		
.0000			04-3238351				Barings Securities LLC	.DE	NIA	Barings LLC	Ownership	100.000	MM L C		
.0000			98-0437588				Barings Guernsey Limited	.GGY	NIA	Barings LLC	Ownership	100.000	MM L C		
.0000							Barings Europe Limited	.GBR	NIA	Barings Guernsey Limited	Ownership	100.000	MM L C		
.0000							Barings Asset Management Spain SL	.ESP	NIA	Barings Europe Limited	Ownership	100.000	MM L C		
.0000			46-0687392				Baring France SAS	.FRA	NIA	Barings Europe Limited	Ownership	100.000	MM L C		
.0000							Baring International Fund Managers (Ireland) Limited	.IRL	NIA	Barings Europe Limited	Ownership	100.000	MM L C		

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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.0000							Barings GmbH	.DEU	NIA	Barings Europe Limited	Ownership	100.000	MMLIC		
.0000							Barings Italy S.r.l.	.ITA	NIA	Barings Europe Limited	Ownership	100.000	MMLIC		
.0000							Barings Sweden AB	.SWE	NIA	Barings Europe Limited	Ownership	100.000	MMLIC		
.0000							Barings Netherlands B.V.	.NLD	NIA	Barings Europe Limited	Ownership	100.000	MMLIC		
.0000			98-0432153				Barings (U.K.) Limited	.GBR	NIA	Barings Europe Limited	Ownership	100.000	MMLIC		
.0000							Barings Switzerland Sàrl	.CHE	NIA	Barings Europe Limited	Ownership	100.000	MMLIC		
.0000			98-0241935				Baring Asset Management Limited	.GBR	NIA	Barings Europe Limited	Ownership	100.000	MMLIC		
.0000							Barings European Direct Lending 1 GP LLP	.GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000			98-0457328				Baring International Investment Limited	.GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000			98-0457586				Baring Fund Managers Limited	.GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000							BCGSS 2 GP LLP	.GBR	NIA	Baring Fund Managers Limited	Ownership	100.000	MMLIC		
.0000			98-0457578				Baring Investment Services Limited	.GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000							Barings Core Fund Feeder I GP S.à.r.l.	.LUX	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000			04-1590850				Barings Investment Fund (LUX) GP S.à. r.l.	.LUX	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000							Barings BME GP S.à.r.l.	.GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000							Barings GPC GP S.à. r.l.	.LUX	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000							Barings European Core Property Fund GP Sàrl	.GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000			84-3784245				Barings Umbrella Fund (LUX) GP S.à.r.l.	.LUX	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000			84-3784245				GPLF4(S) GP S.à. r. l	.LUX	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000							PREIF Holdings Limited Partnership	.GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC		
.0000							BMC Holdings DE LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000			04-3238351	3456895			Barings Real Estate Advisers Inc.	.CA	NIA	Barings LLC	Ownership	100.000	MMLIC		
							Massachusetts Mutual Life Insurance Company								
.0000			81-4065378				Remington L & W Holdings LLC	.DE	NIA	Barings LLC	Ownership/Influence	19.900	MMLIC		
.0000			81-4065378				Remington L & W Holdings LLC	.DE	NIA	Barings LLC	Influence	100.000	MMLIC		
.0000							Aland Royalty GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							Alaska Future Fund GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							BAI Funds SLP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							BAI GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							Baring Asset-Based Income Fund (US) GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000			84-5063008				Barings CMS Fund GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000			84-5063008				Barings Infiniti Fund Management LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
							Massachusetts Mutual Life Insurance Company								
.0000			98-0536233				Barings Hotel Opportunity Venture I GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							Baring Investment Series LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							Barings Emerging Generation Fund GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							Barings Emerging Generation Fund GP II, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							Barings ERS PE Emerging Manager III GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
							Barings Global Investment Funds (U.S.) Management LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				Barings CLO Investment Partners GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							Barings Core Property Fund GP LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000			04-1590850				Barings Direct Lending GP Ltd.	.CYM	NIA	Barings LLC	Ownership	100.000	MMLIC		
							Barings Global Energy Infrastructure Advisors, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000							Barings Centre Street CLO Equity Partnership GP, LLC	.DE	NIA	Barings LLC	Ownership	100.000	MMLIC		
.0000			88-3792609				Barings Centre Street CLO Equity Partnership LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership/Influence	23.900	MMLIC		

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
.0000			88-3792609				Barings Centre Street CLO Equity Partnership LP	..DE	NIA	Barings LLC	Management	..99.300	MMLIC		
.0000							Barings Global Real Assets Fund GP, LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000							Barings GPSF LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			04-1590850				Barings North American Private Loan Fund Management, LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000							Barings North American Private Loan Fund II Management, LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000							Barings North American Private Loan Fund III Management, LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			04-3313782				Barings Global Special Situations Credit Fund 4 GP (Delaware) LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000							Barings – MM Revolver Fund GP LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000							Barings Real Estate European Value Add Fund II Feeder LLC	..CYM	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000							BMT RE Debt Fund GP LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			84-5063008				Barings Small Business Fund LLC	..DE	NIA	Company	Ownership	..32.100	MMLIC		
.0000			84-5063008				Barings Small Business Fund LLC	..DE	NIA	Barings LLC	Management	..100.000	MMLIC		
.0000			98-0536233				Benton Street Advisors, Inc.	..CYM	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			27-3576835				Barings Active Passive Equity Direct EAFE LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			04-1590850				BHOVI Incentive LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			04-1590850				BIG Real Estate Fund GP LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			82-2432216				BIG Real Estate Incentive I LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			04-1590850				BIG Real Estate Incentive II LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000							BRECS VII GP LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000							BREDIF GP LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000							CREF X GP LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			04-1590850				Great Lakes III GP, LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			61-1902329				Lake Jackson LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			85-3036663				Barings Emerging Markets Blended Fund I GP, LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			41-2280126				Mezzco III LLC	..DE	NIA	Barings LLC	Ownership	..99.300	MMLIC		
.0000			80-0920285				Mezzco IV LLC	..DE	NIA	Barings LLC	Ownership	..99.300	MMLIC		
.0000			36-4868350				Mezzco Australia II LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			36-4868350				RECSA-NY GP LLC	..DE	NIA	Barings LLC	Ownership	..100.000	MMLIC		
.0000			98-1624360				Barings CLO 2022-I	..CYM	NIA	Barings LLC	Influence	..52.900	MMLIC		
.0000							Barings CLO 2022-II	..CYM	NIA	Barings LLC	Influence	..17.100	MMLIC		
.0000							Amherst Long Term Holdings, LLC	..DE	NIA	Company	Ownership	..24.500	MMLIC		
.0000							Enroll Confidently, Inc.	..DE	NIA	Company	Ownership	..25.000	MMLIC		
.0000			04-3313782				MassMutual International LLC	..DE	NIA	Company	Ownership	..100.000	MMLIC	...YES	
.0000			98-1206017				MassMutual Solutions LLC	..DE	NIA	MassMutual International LLC	Ownership	..100.000	MMLIC		
.0000			98-1206017				Haven Technologies Asia Limited	..HKG	NIA	MassMutual Solutions LLC	Ownership	..100.000	MMLIC		
.0000			37-1506417				Yunfeng Financial Group Limited	..HKG	NIA	MassMutual International LLC	Ownership	..24.900	MMLIC		
.0000			37-1506417				MassMutual Asia Limited (SPV)	..HKG	NIA	MassMutual International LLC	Ownership	..100.000	MMLIC		

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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. 0000 ...			27-3576835 ..				MassMutual External Benefits Group LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC		
. 0000 ...							5301 Wisconsin Avenue Associates, LLC	.. DC.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership	.. 99.000 ...	MMLIC .....	.....	.....
. 0000 ...							5301 Wisconsin Avenue GP, LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	100 w. 3rd Street LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC .....	.....	2
. 0000 ...			82-2432216 ..	.....	.....	.....	300 South Tryon Hotel LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC .....	.....	3
. 0000 ...			04-1590850 ..	.....	.....	.....	300 South Tryon LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC .....	.....	4
. 0000 ...							Almack Mezzanine Fund II Unleveraged LP	.. GBR.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	.. 72.900 ...	MMLIC .....	.....	.....
. 0000 ...							Barings Affordable Housing Mortgage Fund I LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC .....	.....	.....
. 0000 ...							Barings Affordable Housing Mortgage Fund I LLC	.. DE.....	.. NIA.....	Barings LLC	Management.....	.....	MMLIC .....	.....	.....
. 0000 ...			61-1902329 ..	.....	.....	.....	Barings Affordable Housing Mortgage Fund II LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			61-1902329 ..	.....	.....	.....	Barings Affordable Housing Mortgage Fund II LLC	.. DE.....	.. NIA.....	Barings LLC	Management.....	.....	MMLIC .....	.....	.....
. 0000 ...			85-3036663 ..	.....	.....	.....	Barings Affordable Housing Mortgage Fund III LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000 ...	MMLIC .....	.....	.....
. 0000 ...			85-3036663 ..	.....	.....	.....	Barings Affordable Housing Mortgage Fund III LLC	.. DE.....	.. NIA.....	Barings LLC	Management.....	.....	MMLIC .....	.....	.....
. 0000 ...							Barings Emerging Generation Fund II LP	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 39.700 ...	MMLIC .....	.....	.....
. 0000 ...			84-3784245 ..	.....	.....	.....	Barings Emerging Generation Fund, LP	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 38.000 ...	MMLIC .....	.....	.....
. 0000 ...			84-3784245 ..	.....	.....	.....	Barings Emerging Generation Fund, LP	.. DE.....	.. NIA.....	Barings LLC	Management.....	.....	MMLIC .....	.....	.....
. 0000 ...							Barings Emerging Markets Corporate Bond Fund	.. IRL.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence .....	.....	MMLIC .....	.....	.....
. 0000 ...							Barings Emerging Markets Corporate Bond Fund	.. IRL.....	.. NIA.....	Barings LLC	Ownership.....	.. 44.800 ...	MMLIC .....	.....	.....
. 0000 ...							Barings Hotel Opportunity Venture I LP	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	.. 65.000 ...	MMLIC .....	.....	.....
. 0000 ...							Barings Hotel Opportunity Venture I LP	.. DE.....	.. NIA.....	Barings LLC	Management.....	.....	MMLIC .....	.....	.....
. 0000 ...			85-3449260 ..	.....	.....	.....	Barings Real Estate Debt Income Fund LP	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	.. 76.600 ...	MMLIC .....	.....	.....
. 0000 ...			85-3449260 ..	.....	.....	.....	Barings Real Estate Debt Income Fund LP	.. DE.....	.. NIA.....	C.M. Life Insurance Company	Influence .....	.....	MMLIC .....	.....	.....
. 0000 ...			85-3449260 ..	.....	.....	.....	Barings Real Estate Debt Income Fund LP	.. DE.....	.. NIA.....	Barings LLC	Management .....	.....	MMLIC .....	.....	.....
. 0000 ...							Barings Real Estate European Value Add I SCSp	.. GBR.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	.. 42.100 ...	MMLIC .....	.....	.....
. 0000 ...							Barings Real Estate European Value Add I SCSp	.. GBR.....	.. NIA.....	C.M. Life Insurance Company	Ownership.....	.. 4.700 ...	MMLIC .....	.....	.....
. 0000 ...							Barings Real Estate European Value Add I SCSp	.. GBR.....	.. NIA.....	Barings LLC	Management.....	.....	MMLIC .....	.....	.....
. 0000 ...			36-037260H ..	.....	.....	.....	Barings Small Business Fund, L.P.	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 33.600 ...	MMLIC .....	.....	.....
. 0000 ...							Barings-MM Revolver Fund LP	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	.. 86.000 ...	MMLIC .....	.....	.....

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

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.0000							Barings-MM Revolver Fund LP	..DE.....	..NIA.....	MM Ascend	Ownership/Influence	..14.000	MMLIC		
.0000			45-2632610 ..				Cornerstone Permanent Mortgage Fund LLC	..MA.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..100.000	MMLIC		
.0000			45-2632610 ..				Cornerstone Permanent Mortgage Fund LLC	..MA.....	..NIA.....	Barings LLC	Management.....		MMLIC		
.0000							CREA Ridge Apartments, LLC	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..100.000	MMLIC		
.0000							London Office JV Holdings LLC	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..100.000	MMLIC		
.0000			81-0841854 ..				Riverwalk MM Member, LLC	..DE.....	..NIA.....	Company	Ownership	..100.000	MMLIC		
.0000			83-0560183 ..				Aland Royalty Holdings LP	..DE.....	..NIA.....	MassMutual Holding LLC	Ownership/Influence	..26.690	MMLIC		
.0000			83-0560183 ..				Aland Royalty Holdings LP	..DE.....	..NIA.....	Barings LLC	Management	..23.900	MMLIC		
.0000			81-2244465 ..				Chassis Acquisition Holding LLC	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..30.000	MMLIC		
.0000			81-4258759 ..				CRA Aircraft Holding LLC	..DE.....	..NIA.....	Company	Ownership/Influence	..40.000	MMLIC		
.0000			81-4258759 ..				CRA Aircraft Holding LLC	..DE.....	..NIA.....	Barings LLC	Influence.....		MMLIC		
.0000							EIP Holdings I, LLC	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..29.000	MMLIC		
.0000			46-5460309 ..				Red Lake Ventures, LLC	..DE.....	..NIA.....	Company	Ownership/Influence	..31.520	MMLIC		
.0000			46-5460309 ..				Red Lake Ventures, LLC	..DE.....	..NIA.....	Barings LLC	Influence.....		MMLIC		
.0000			46-0687392 ..				Validus Holding Company LLC	..DE.....	..NIA.....	Barings LLC	Ownership	..40.440	MMLIC		
.0000			85-3449260 ..				VGS Acquisition Holding, LLC	..DE.....	..NIA.....	MassMutual Holding LLC	Ownership/Influence	..33.300	MMLIC		
.0000			85-3449260 ..				VGS Acquisition Holding, LLC	..DE.....	..NIA.....	Barings LLC	Management.....		MMLIC		
.0000			04-1590850 ..				SBNP SIA II LLC	..DE.....	..NIA.....	Barings LLC	Ownership.....	..100.000	MMLIC		
.0000			98-1332384 ..				SBNP SIA III LLC	..DE.....	..NIA.....	Barings LLC	Ownership	..100.000	MMLIC		
.0000			98-1332384 ..				Barings European Real Estate Debt Income Fund	..LUX.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..55.800	MMLIC		
.0000							Barings European Real Estate Debt Income Fund	..LUX.....	..NIA.....	Barings LLC	Influence.....		MMLIC		
.0000			37-1506417 ..				Babson Capital Loan Strategies Fund, L.P.	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..76.634	MMLIC		
.0000			37-1506417 ..				Babson Capital Loan Strategies Fund, L.P.	..DE.....	..NIA.....	C.M. Life Insurance Company	Ownership	..3.800	MMLIC		
.0000			37-1506417 ..				Babson Capital Loan Strategies Fund, L.P.	..DE.....	..NIA.....	Barings LLC	Management.....	..7.000	MMLIC		
.0000			82-3867745 ..				Barings US High Yield Bond Fund	..IRL.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..0.200	MMLIC		
.0000							Barings US High Yield Bond Fund	..IRL.....	..NIA.....	Barings LLC	Management	..19.700	MMLIC		
.0000							Babson CLO Ltd. 2015-I	..CYM.....	..NIA.....	Barings LLC	Influence.....	..67.700	MMLIC		2
.0000							Babson CLO Ltd. 2015-II	..CYM.....	..NIA.....	Barings LLC	Influence.....	..3.600	MMLIC		3
.0000							Babson CLO Ltd. 2016-I	..CYM.....	..NIA.....	Barings LLC	Influence.....		MMLIC		
.0000							Babson CLO Ltd. 2016-II	..CYM.....	..NIA.....	Barings LLC	Influence.....	..13.300	MMLIC		
.0000							Barings CLO Ltd. 2017-I	..CYM.....	..NIA.....	Barings LLC	Influence.....	..0.700	MMLIC		
.0000							Barings CLO 2018-III	..CYM.....	..NIA.....	Barings LLC	Influence.....		MMLIC		
.0000							Barings CLO 2018-IV	..CYM.....	..NIA.....	Barings LLC	Influence.....		MMLIC		
.0000			98-1473665 ..				Barings CLO 2019-II	..CYM.....	..NIA.....	Barings LLC	Influence	..73.900	MMLIC		
.0000			87-0977058 ..				Barings CLO 2019-III	..CYM.....	..NIA.....	Barings LLC	Influence	..66.000	MMLIC		
.0000			87-0977058 ..				Barings CLO 2019-IV	..CYM.....	..NIA.....	Barings LLC	Influence.....		MMLIC		
.0000			86-3661023 ..				Barings CLO 2020-I	..CYM.....	..NIA.....	Barings LLC	Influence.....	..33.400	MMLIC		
.0000			86-3661023 ..				Barings CLO 2020-II	..CYM.....	..NIA.....	Barings LLC	Influence.....	..0.500	MMLIC		
.0000							Barings CLO 2020-III	..CYM.....	..NIA.....	Barings LLC	Influence.....		MMLIC		

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.0000							Barings CLO 2020-IV	.CYM	NIA	Barings LLC	Influence		MLL IC		
.0000							Barings CLO 2021-I	.CYM	NIA	Barings LLC	Influence		MLL IC		
.0000			98-1612604				Barings CLO 2021-II	.CYM	NIA	Barings LLC	Influence		MLL IC		
.0000			38-4010344				Barings CLO 2021-III	.CYM	NIA	Barings LLC	Influence	36.400	MLL IC		
.0000			38-4010344				Babson Euro CLO 2014-I BV	.NLD	NIA	Barings LLC	Influence		MLL IC		
.0000			98-1332384				Babson Euro CLO 2014-II BV	.NLD	NIA	Barings LLC	Influence	33.600	MLL IC		
.0000			98-1332384				Babson Euro CLO 2015-I BV	.NLD	NIA	Barings LLC	Influence		MLL IC		
.0000			36-037260H				Barings Euro CLO 2019-I BV	.IRL	NIA	Barings LLC	Influence	23.600	MLL IC		
.0000			98-1567942				Barings Euro CLO 2019-II BV	.IRL	NIA	Barings LLC	Influence		MLL IC		
.0000			87-1262754				Barings Euro CLO 2020-I DAC	.IRL	NIA	Barings LLC	Influence	11.300	MLL IC		
.0000			37-15576VH				Barings Euro CLO 2021-I DAC	.IRL	NIA	Barings LLC	Influence	7.900	MLL IC		
.0000							Barings Euro CLO 2021-II DAC	.IRL	NIA	Barings LLC	Influence	88.000	MLL IC		
.0000							Barings Euro CLO 2021-III DAC	.IRL	NIA	Barings LLC	Influence	1.300	MLL IC		
.0000							Barings Euro CLO 2022-I DAC	.IRL	NIA	Barings LLC	Influence		MLL IC		
.0000							Barings Euro CLO 2023-II DAC	.IRL	NIA	Barings LLC	Influence	7.400	MLL IC		
.0000			82-5330194				Barings Global Em. Markets Equity Fund	.NC	NIA	Barings LLC	Management	0.500	MLL IC		
.0000			98-1332384				Barings Global Energy Infrastructure Fund I LP	.CYM	NIA	Massachusetts Mutual Life Insurance Company	Ownership/Influence	99.200	MLL IC		
.0000			46-5001122				Barings Global Special Situations Credit 4 Delaware	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	67.600	MLL IC		
.0000			38-4059932				Barings Global Special Situations Credit 4 Delaware	.DE	NIA	C.M. Life Insurance Company	Ownership	3.600	MLL IC		
.0000							Barings Global Special Situations Credit 4 Delaware	.DE	NIA	Barings LLC	Management		MLL IC		
.0000			38-4096530				Barings Global Special Situations Credit 4 LUX	.LUX	NIA	Massachusetts Mutual Life Insurance Company	Ownership	13.200	MLL IC		
.0000			20-5578089				Barings Global Special Situations Credit 4 LUX	.LUX	NIA	C.M. Life Insurance Company	Ownership	0.700	MLL IC		
.0000			20-5578089				Barings Global Special Situations Credit 4 LUX	.LUX	NIA	Barings LLC	Management		MLL IC		
.0000			46-5432619				Barings Global Technology Equity Fund	.IRL	NIA	Barings LLC	Ownership/Influence	71.620	MLL IC		
.0000			46-5432619				Barings Global Dividends Champion Fund	.IRL	NIA	Barings LLC	Management	4.300	MLL IC		
.0000			46-5432619				Barings Europe Select Fund	.IRL	NIA	Barings LLC	Management		MLL IC		
.0000			87-0977058				Barings Hotel Opportunity Venture	.CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership/Influence	50.600	MLL IC		
.0000			87-0977058				Barings Hotel Opportunity Venture	.CT	NIA	Barings LLC	Management	98.600	MLL IC		
.0000			86-3661023				Barings Innovations & Growth Real Estate Fund	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	29.700	MLL IC		
.0000			86-3661023				Barings Innovations & Growth Real Estate Fund	.DE	NIA	C.M. Life Insurance Company	Ownership	0.400	MLL IC		
.0000			90-0991195				Barings Middle Market CLO 2017-I Ltd & LLC	.CYM	NIA	Barings LLC	Influence		MLL IC		
.0000			37-1708623				Barings Middle Market CLO 2018-I	.CYM	NIA	Barings LLC	Influence	41.400	MLL IC		
.0000			37-1708623				Barings Middle Market CLO 2019-I	.CYM	NIA	Barings LLC	Influence		MLL IC		
.0000			98-1612604				Barings Middle Market CLO Ltd 2021-I	.CYM	NIA	Barings LLC	Influence	72.600	MLL IC		
.0000			98-1332384				Barings RE Credit Strategies VII LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership/Influence	34.400	MLL IC		
.0000			98-1332384				Barings RE Credit Strategies VII LP	.DE	NIA	Baring Asset Management Limited	Management		MLL IC		
.0000			98-1567942				Barings Target Yield Infrastructure Debt Fund	.LUX	NIA	Massachusetts Mutual Life Insurance Company	Ownership	21.300	MLL IC		

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SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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. 0000 ...			98-1567942 ..				Barings Target Yield Infrastructure Debt Fund ..	..LUX.....	..NIA.....	Baring Asset Management Limited ..	Management.....	..0.000 ...	MMLIC		
. 0000 ...			81-0841854 ..	.....	.....	.....	Barings CLO Investment Partners LP	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..100.000 ...	MMLIC .....	.....	.....
. 0000 ...			81-0841854 ..	.....	.....	.....	Barings CLO Investment Partners LP	..DE.....	..NIA.....	Barings LLC	Management.....	..90.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Barings Euro Value Add II (BREEVA II)	..LUX.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..30.500 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Barings Euro Value Add II (BREEVA II)	..LUX.....	..NIA.....	C.M. Life Insurance Company	Ownership.....	..2.700 ...	MMLIC .....	.....	.....
. 0000 ...			87-4021641 ..	.....	.....	.....	Barings Euro Value Add II (BREEVA II)	..LUX.....	..NIA.....	Barings LLC	Management.....	..27.000 ...	MMLIC .....	.....	.....
. 0000 ...			87-1262754 ..	.....	.....	.....	Barings Transportation Fund LP	..DE.....	..NIA.....	MassMutual Holding LLC	Ownership/Influence	..11.200 ...	MMLIC .....	.....	.....
. 0000 ...			87-1262754 ..	.....	.....	.....	Barings Transportation Fund LP	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..8.200 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Braemar Energy Ventures I, L.P.	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..63.600 ...	MMLIC .....	.....	.....
. 0000 ...			81-3000420 ..	.....	.....	.....	Braemar Energy Ventures I, L.P.	..DE.....	..NIA.....	C.M. Life Insurance Company	Ownership	..1.100 ...	MMLIC .....	.....	.....
. 0000 ...			81-3000420 ..	.....	.....	.....	Braemar Energy Ventures I, L.P.	..DE.....	..NIA.....	Barings LLC	Management.....	.....	MMLIC .....	.....	.....
. 0000 ...			20-8856877 ..	.....	.....	.....	Barings European Core Property Fund SCSp ..	..LUX.....	..NIA.....	MassMutual Holding LLC	Ownership/Influence	..9.000 ...	MMLIC .....	.....	.....
. 0000 ...			20-8856877 ..	.....	.....	.....	Barings European Core Property Fund SCSp ..	..LUX.....	..NIA.....	C.M. Life Insurance Company	Ownership.....	..0.600 ...	MMLIC .....	.....	.....
. 0000 ...			35-2553915 ..	.....	.....	.....	Barings European Core Property Fund SCSp ..	..LUX.....	..NIA.....	Barings Real Estate Advisers LLC ..	Management.....	..100.000 ...	MMLIC .....	.....	.....
. 0000 ...			46-5001122 ..	.....	.....	.....	Barings European Private Loan Fund III A ..	..LUX.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..44.600 ...	MMLIC .....	.....	.....
. 0000 ...			38-4059932 ..	.....	.....	.....	Benchmark 2018-B2 Mortgage Trust	..NY.....	..NIA.....	Barings LLC	Influence	..17.900 ...	MMLIC .....	.....	.....
. 0000 ...			41-2280129 ..	.....	.....	.....	Benchmark 2018-B4	..NY.....	..NIA.....	Barings LLC	Influence	..100.000 ...	MMLIC .....	.....	.....
. 0000 ...			38-4096530 ..	.....	.....	.....	Benchmark 2018-B8	..NY.....	..NIA.....	Barings LLC	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			20-5578089 ..	.....	.....	.....	Barings Core Property Fund LP	..DE.....	..NIA.....	MassMutual Holding LLC	Ownership/Influence	..24.000 ...	MMLIC .....	.....	.....
. 0000 ...			20-5578089 ..	.....	.....	.....	Barings Core Property Fund LP	..DE.....	..NIA.....	Barings Real Estate Advisers LLC ..	Management.....	..7.400 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	DPI Acres Capital SPV LLC	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	DPI-ARES Mortgage Lending SPV, LLC	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..100.000 ...	MMLIC .....	.....	.....
. 0000 ...			83-1325764 ..	.....	.....	.....	E2E Affordable Housing Debt Fund LLC	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..100.000 ...	MMLIC .....	.....	.....
. 0000 ...			37-1708623 ..	.....	.....	.....	Great Lakes III, L.P.	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..41.500 ...	MMLIC .....	.....	.....
. 0000 ...			37-1708623 ..	.....	.....	.....	Great Lakes III, L.P.	..DE.....	..NIA.....	Barings LLC	Management.....	..11.400 ...	MMLIC .....	.....	.....
. 0000 ...			98-1607033 ..	.....	.....	.....	GIA EU Holdings - Emerson JV Sarl	..LUX.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..100.000 ...	MMLIC .....	.....	.....
. 0000 ...			98-1607033 ..	.....	.....	.....	GIA EU Holdings - Emerson JV Sarl	..LUX.....	..NIA.....	Barings LLC	Management.....	..6.300 ...	MMLIC .....	.....	.....
. 0000 ...			38-4041011 ..	.....	.....	.....	JPMCC Commercial Mortgage Securities Trust 2017-JP7	..NY.....	..NIA.....	Barings LLC	Influence .....	.....	MMLIC .....	.....	.....
. 0000 ...			38-4032059 ..	.....	.....	.....	JPMDB Commercial Mortgage Securities Trust 2017-C5	..NY.....	..NIA.....	Barings LLC	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...							Martello Re Limited	..BMJ.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	..27.450 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Miami Douglas Three MM, LLC	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership	..100.000 ...	MMLIC .....	.....	.....
. 0000 ...			87-4021641 ..	.....	.....	.....	MM BIG Peninsula Co-Invest Member LLC	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..27.000 ...	MMLIC .....	.....	.....
. 0000 ...			87-4021641 ..	.....	.....	.....	MM BIG Peninsula Co-Invest Member LLC	..DE.....	..NIA.....	C.M. Life Insurance Company	Ownership	..0.800 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM Direct Private Invetment Holding	..DE.....	..NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..100.000 ...	MMLIC .....	.....	.....

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
. 0000 ...			71-1018134 ..	.....	.....	.....	MM CM Holding LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			81-3000420 ..	.....	.....	.....	MM Debt Participations LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			81-3000420 ..	.....	.....	.....	MM Debt Participations LLC	.. DE.....	.. NIA.....	Barings LLC	Management.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM MD1 Station Member LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 47.000	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM MD1 Station Member LLC	.. DE.....	.. NIA.....	C.M. Life Insurance Company	Ownership.....	.. 3.100	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM MD2 Station Member LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 47.000	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM MD2 Station Member LLC	.. DE.....	.. NIA.....	C.M. Life Insurance Company	Ownership.....	.. 3.100	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MMV Climate Technology Fund GP	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 99.000	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MMV Climate Technology Fund GP	.. DE.....	.. NIA.....	Massachusetts Mutual Ascend	Ownership.....	.. 1.000	MMLIC .....	.....	.....
. 0000 ...			95-4207717 ..	.....	.....	.....	MM REED District Lando Member LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM Subline Borrower LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Washington Pine LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			35-2553915 ..	.....	.....	.....	Ten Fan Pier Boulevard LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			41-2280127 ..	.....	.....	.....	Tower Square Capital Partners III, L.P.	.. DE.....	.. NIA.....	Barings LLC	Management.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			41-2280127 ..	.....	.....	.....	Tower Square Capital Partners III, L.P.	.. DE.....	.. NIA.....	MassMutual Holding LLC	Ownership/Influence	.. 17.600	MMLIC .....	.....	.....
. 0000 ...			41-2280129 ..	.....	.....	.....	Tower Square Capital Partners IIIA, L.P.	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership/Influence	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			41-2280129 ..	.....	.....	.....	Tower Square Capital Partners IIIA, L.P.	.. DE.....	.. NIA.....	Barings LLC	Management.....	.....	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Trailside MM Member LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 66.970	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Trailside MM Member LLC	.. DE.....	.. NIA.....	C.M. Life Insurance Company	Ownership.....	.. 7.380	MMLIC .....	.....	.....
. 0000 ...			83-1325764 ..	.....	.....	.....	Washington Gateway Two LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 95.800	MMLIC .....	.....	.....
. 0000 ...			83-1325764 ..	.....	.....	.....	Washington Gateway Two LLC	.. DE.....	.. NIA.....	C.M. Life Insurance Company	Ownership.....	.. 4.200	MMLIC .....	.....	.....
. 0000 ...			32-0574045 ..	.....	.....	.....	Washington Gateway Three LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 95.230	MMLIC .....	.....	.....
. 0000 ...			20-3347091 ..	.....	.....	.....	MALIC Debt Participations LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			20-3347091 ..	.....	.....	.....	Babson Capital Loan Strategies Master Fund LP	.. CYM.....	.. NIA.....	Barings LLC	Management.....	.. 5.900	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Barings China Aggregate Bond Private Securities Investment Fund	.. CHN.....	.. NIA.....	Barings LLC	Management.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			47-3790192 ..	.....	.....	.....	Barings Global High Yield Fund	.. MA.....	.. NIA.....	Barings LLC	Management.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			71-1018134 ..	.....	.....	.....	Great Lakes II LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 10.600	MMLIC .....	.....	.....
. 0000 ...			71-1018134 ..	.....	.....	.....	Great Lakes II LLC	.. DE.....	.. NIA.....	C.M. Life Insurance Company	Ownership.....	.. 0.980	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Wood Creek Venture Fund LLC	.. DE.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 40.000	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Barings California Mortgage Fund IV	.. CA.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 100.000	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Barings Umbrella Fund LUX SCSp SICAV RAIF ...	.. LUX.....	.. NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.. 24.959	MMLIC .....	.....	.....

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
. 0000 ...			04-1590850 ..	.....	.....	.....	Barings Umbrella Fund LUX SCSp SICAV RAIF ...	..LUX.....	.....	C.M. Life Insurance Company	Ownership.....	2.300 ...	MMLIC .....	.....	.....
. 0000 ...			82-2285211 ..	.....	.....	.....	Calgary Railway Holding LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	90.000 ...	MMLIC .....	.....	.....
. 0000 ...			82-3307907 ..	.....	.....	.....	Cornbrook PRS Holdings LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			95-4207717 ..	.....	.....	.....	Cornerstone California Mortgage Fund I LLC ..	..CA.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			95-4207717 ..	.....	.....	.....	Cornerstone California Mortgage Fund II LLC	..CA.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			95-4207717 ..	.....	.....	.....	Cornerstone California Mortgage Fund III LLC	..CA.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			56-2630592 ..	.....	.....	.....	Cornerstone Fort Pierce Development LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	90.000 ...	MMLIC .....	.....	.....
. 0000 ...			56-2630592 ..	.....	.....	.....	Cornerstone Fort Pierce Development LLC	..DE.....	.....	C.M. Life Insurance Company	Ownership.....	5.900 ...	MMLIC .....	.....	.....
. 0000 ...			61-1750537 ..	.....	.....	.....	Cornerstone Permanent Mortgage Fund II	..MA.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			61-1750537 ..	.....	.....	.....	Cornerstone Permanent Mortgage Fund II	..MA.....	.....	Barings LLC	Management.....	89.110 ...	MMLIC .....	.....	.....
. 0000 ...			26-3229251 ..	.....	.....	.....	Cornerstone Permanent Mortgage Fund III LLC	..MA.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			61-1793735 ..	.....	.....	.....	Cornerstone Permanent Mortgage Fund IV	..MA.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			20-0348173 ..	.....	.....	.....	CREA/PPC Venture LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	28.520 ...	MMLIC .....	.....	.....
. 0000 ...			82-2783393 ..	.....	.....	.....	Danville Riverwalk Venture, LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	94.400 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Euro Real Estate Holdings LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	50.000 ...	MMLIC .....	.....	.....
. 0000 ...			20-3347091 ..	.....	.....	.....	Fan Pier Development LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	65.000 ...	MMLIC .....	.....	.....
. 0000 ...			20-3347091 ..	.....	.....	.....	Fan Pier Development LLC	..DE.....	.....	C.M. Life Insurance Company	Ownership.....	5.850 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	GIA EU Holdings LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			81-5360103 ..	.....	.....	.....	Landmark Manchester Holdings LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			13-1935920 ..	.....	.....	.....	MMLIC Debt Participations LLC	..DE.....	.....	Massachusetts Mutual Ascend	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM Brookhaven Member LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	95.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM Ascend Mtg. Lending LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM Kannapolis Industrial Member LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	82.720 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM Kannapolis Industrial Member LLC	..DE.....	.....	Massachusetts Mutual Ascend	Ownership.....	12.280 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM East South Crossing Member LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	95.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM Horizon Savannah Member LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	95.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM Horizon Savannah Member LLC	..DE.....	.....	C.M. Life Insurance Company	Ownership.....	3.700 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM National Self-Storage Program Member LLC	..DE.....	.....	C.M. Life Insurance Company	Ownership.....	98.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	MM 1400 E 4th Street Member LLC	..DE.....	.....	C.M. Life Insurance Company	Ownership.....	96.000 ...	MMLIC .....	.....	.....
. 0000 ...			80-0948028 ..	.....	.....	.....	One Harbor Shore LLC	..DE.....	.....	Massachusetts Mutual Life Insurance Company	Ownership.....	94.990 ...	MMLIC .....	.....	.....
. 0000 ...			80-0948028 ..	.....	.....	.....	One Harbor Shore LLC	..DE.....	.....	C.M. Life Insurance Company	Ownership.....	4.010 ...	MMLIC .....	.....	.....

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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. 0000 ...			04-1590850 ..				Paco France Logistics LLC	.. DE.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..100.000	MMLIC		
. 0000 ...			27-1932769 ..	.....	.....	.....	Salomon Brothers Commercial Mortgage Trust 2001-MM	.. DE.....	 NIA.....	Barings Real Estate Advisers LLC	Influence.....	..9.030	MMLIC .....	.....	.....
. 0000 ...			81-5273574 ..	.....	.....	.....	Three PW Office Holding LLC	.. DE.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..95.100	MMLIC .....	.....	.....
. 0000 ...			04-1590850 ..	.....	.....	.....	Trailside MM Member II LLC	.. DE.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..47.100	MMLIC .....	.....	.....
. 0000 ...			82-3250684 ..	.....	.....	.....	Unna, Dortmund Holding LLC	.. DE.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..100.000	MMLIC .....	.....	.....
. 0000 ...			45-5401109 ..	.....	.....	.....	Washington Gateway Apartments Venture LLC ...	.. DE.....	 NIA.....	Company	Ownership.....	..95.440	MMLIC .....	.....	.....
. 0000 ...			45-5401109 ..	.....	.....	.....	Washington Gateway Apartments Venture LLC ...	.. DE.....	 NIA.....	C.M. Life Insurance Company	Ownership.....	..4.560	MMLIC .....	.....	.....
. 0000 ...			88-3861481 ..	.....	.....	.....	West 37th Street Hotel LLC	.. DE.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..93.800	MMLIC .....	.....	.....
. 0000 ...			88-3861481 ..	.....	.....	.....	West 37th Street Hotel LLC	.. DE.....	 NIA.....	C.M. Life Insurance Company	Ownership.....	..6.200	MMLIC .....	.....	.....
. 0000 ...			51-0529328 ..	.....	0000927972 ..	OQ	MassMutual Premier Main Street Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..89.370	MMLIC .....	.....	.....
. 0000 ...			26-3229251 ..	.....	0000927972 ..	OQ	MassMutual Premier Strategic Emerging Markets Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..60.573	MMLIC .....	.....	.....
. 0000 ...			04-3512593 ..	.....	0000916053 ..	OQ	MassMutual Select Fundamental Growth Fund ...	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..5.210	MMLIC .....	.....	.....
. 0000 ...			42-1710935 ..	.....	0000916053 ..	OQ	MassMutual Select Mid-Cap Value Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..29.861	MMLIC .....	.....	.....
. 0000 ...			02-0769954 ..	.....	0000916053 ..	OQ	MassMutual Select Small Capital Value Equity Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			04-3584140 ..	.....	0000916053 ..	OQ	MassMutual Select Small Company Value Fund ..	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..18.034	MMLIC .....	.....	.....
. 0000 ...			82-3347422 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2005 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	..5.299	MMLIC .....	.....	.....
. 0000 ...			82-3355639 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2010 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3382389 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2015 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3396442 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2020 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3417420 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2025 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3430358 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2030 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3439837 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2035 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3451779 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2040 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3472295 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2045 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3481715 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2050 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3502011 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2055 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			82-3525148 ..	.....	0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement 2060 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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. 0000 ...			82-3533944 ..		0000916053 ..	OQ	MassMutual Select T. Rowe Price Retirement Balanced Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....		MMLIC		
. 0000 ...			46-4257056 ..	.....	.....	.....	MML Series International Equity Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			47-3529636 ..	.....	.....	.....	MML Series II Dynamic Bond Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	.....	MMLIC .....	.....	.....
. 0000 ...			47-3544629 ..	.....	.....	.....	MML Series II Equity Rotation Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	95.822 ..	MMLIC .....	.....	.....
. 0000 ...			27-1933389 ..	.....	0000916053 ..	OQ	MassMutual RetireSMART 2035 Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	3.322 ..	MMLIC .....	.....	.....
. 0000 ...			27-1932769 ..	.....	0000916053 ..	OQ	MassMutual RetireSMART 2045 Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	7.445 ..	MMLIC .....	.....	.....
. 0000 ...			46-3289207 ..	.....	0000916053 ..	OQ	MassMutual RetireSMART 2055 Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	21.036 ..	MMLIC .....	.....	.....
. 0000 ...			47-5326235 ..	.....	0000916053 ..	OQ	MassMutual RetireSMART 2060 Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	37.927 ..	MMLIC .....	.....	.....
. 0000 ...			45-1618155 ..	.....	0000916053 ..	OQ	MassMutual 20/80 Allocation Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			45-1618222 ..	.....	0000916053 ..	OQ	MassMutual 80/20 Allocation Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	39.767 ..	MMLIC .....	.....	.....
. 0000 ...			03-0532464 ..	.....	0000916053 ..	OQ	MassMutual RetireSMART In Retirement Fund ...	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	8.822 ..	MMLIC .....	.....	.....
. 0000 ...			45-1618262 ..	.....	0000916053 ..	OQ	MassMutual 40/60 Allocation Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Influence.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			45-1618046 ..	.....	0000916053 ..	OQ	MassMutual 60/40 Allocation Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			45-1618046 ..	.....	0000916053 ..	OQ	MassMutual ishares 60/40 Allocation Fund ...	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	65.759 ..	MMLIC .....	.....	.....
. 0000 ...			04-3212054 ..	.....	0000916053 ..	OQ	MassMutual Balanced Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			04-3556992 ..	.....	0000916053 ..	OQ	MassMutual Blue Chip Growth Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			04-3277549 ..	.....	0000916053 ..	OQ	MassMutual Core Bond Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			04-3539084 ..	.....	0000916053 ..	OQ	MassMutual Disciplined Growth Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			04-3539083 ..	.....	0000916053 ..	OQ	MassMutual Disciplined Value Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			01-0821120 ..	.....	0000916053 ..	OQ	MassMutual Diversified Value Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			04-3512590 ..	.....	0000916053 ..	OQ	MassMutual Equity Opportunities Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			04-3512589 ..	.....	0000916053 ..	OQ	MassMutual Growth Opportunities Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			03-0532475 ..	.....	0000916053 ..	OQ	MassMutual Inflation-Protected and Income Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			04-3512596 ..	.....	0000916053 ..	OQ	MassMutual Mid Cap Growth Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			04-3464165 ..	.....	0000916053 ..	OQ	MassMutual Premier Diversified Bond Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....
. 0000 ...			92-1441036 ..	.....	0000916053 ..	OQ	MassMutual RetireSMART by JPMorgan 2065 Fund	.. MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ..	MMLIC .....	.....	.....

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
. 0000 ...			45-1618222 ..	.....	0000916053 ..	OQ	MassMutual Select 80/20 Allocation Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-3584138 ..	.....	0000916053 ..	OQ	MassMutual Select Fundamental Value Fund ...	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-3557000 ..	.....	0000916053 ..	OQ	MassMutual Select Overseas Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			92-1427882 ..	.....	0000916053 ..	OQ	MassMutual Select T Rowe Price Retirement 2065 Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	53.460 ...	MMLIC .....	.....	.....
. 0000 ...			04-3464205 ..	.....	0000916053 ..	OQ	MassMutual Small Cap Growth Equity Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			04-3424705 ..	.....	0000916053 ..	OQ	MassMutual Small Cap Opportunities Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			02-0769954 ..	.....	0000916053 ..	OQ	MassMutual Small Cap Value Equity Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....
. 0000 ...			26-0099965 ..	.....	0000916053 ..	OQ	MassMutual Strategic Bond Fund	.. MA.....	 NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000 ...	MMLIC .....	.....	.....

Asterisk	Explanation
1	Massachusetts Mutual Life Insurance Company owns 14.23% of the affiliated debt of Jefferies Finance LLC
2	Debt investors own .5% and includes only Great Lakes III, L.P.
3	Debt investors own .2% and includes only Great Lakes III, L.P.

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 2 - SUMMARY OF INSURER’S TRANSACTIONS WITH ANY AFFILIATES

1	2	3	4	5	6	7	8	9	10	11	12	13
NAIC Company Code	ID Number	Names of Insurers and Parent, Subsidiaries or Affiliates	Shareholder Dividends	Capital Contributions	Purchases, Sales or Exchanges of Loans, Securities, Real Estate, Mortgage Loans or Other Investments	Income/ (Disbursements) Incurred in Connection with Guarantees or Undertakings for the Benefit of any Affiliate(s)	Management Agreements and Service Contracts	Income/ (Disbursements) Incurred Under Reinsurance Agreements	*	Any Other Material Activity Not in the Ordinary Course of the Insurer's Business	Totals	Reinsurance Recoverable/ (Payable) on Losses and/or Reserve Credit Taken/(Liability)
.....65935	04-1590850	Massachusetts Mutual Life Insurance Company (MMLIC)	1,424,064,026	(796,316,594)	(681,836,705)					(4,671,563,564)	(4,725,652,837)	(65,401,858)
.....93432	06-1041383	C.M. Life Insurance Company	26,605,997	(4,805,169)	50,000,000						71,800,828	23,840,098
.....70416	43-0581430	MML Bay State Life Insurance Company	(25,000,000)								(25,000,000)	16,650,111
.....63312	13-1935920	MassMutual Ascend Life Insurance Company	(200,000,000)	(700,000)							(200,700,000)	
.....	04-1590850	2160 Grand Manager LLC	0	7,820,505							7,820,505	
.....		Barings Investment Series LLC	0	(126,099)							(126,099)	
.....		Barings Affordable Housing Mortgage Fund I LLC	(3,502,953)	(1,046,047)							(4,549,000)	
.....	61-1902329	Barings Affordable Housing Mortgage Fund II LLC	(5,307,345)	4,543,345							(764,000)	
.....	85-3036663	Barings Affordable Housing Mortgage Fund III LLC	(1,422,205)	33,599,304							32,177,099	
.....	36-4868350	Barings Asset-Based Income Fund (US) LP ..	0	96,088							96,088	
.....		Barings California Mortgage Fund IV	0	29,366,459							29,366,459	
.....	88-3792609	Barings Centre Street CLO Equity Partnership LP	(5,737,953)	18,017,115							12,279,162	
.....		Barings CLO 2018-IV	0	5,389,787							5,389,787	
.....		Barings CLO 2019-IV	0	22,132,013							22,132,013	
.....		Barings CLO 2020-I	0	10,457,100							10,457,100	
.....		Barings CLO 2020-II	0	3,886,198							3,886,198	
.....		Barings CLO 2020-III	0	25,377,097							25,377,097	
.....		Barings CLO 2020-IV	0	10,840,798							10,840,798	
.....		Barings CLO 2021-I	0	7,419,138							7,419,138	
.....	98-1624360	Barings CLO 2022-I	0	7,960,000							7,960,000	
.....		Barings CLO 2022-II	0	3,813,160							3,813,160	
.....	81-0841854	Barings CLO Investment Partners LP	0	(7,169,811)							(7,169,811)	
.....	84-3784245	Barings Emerging Generation Fund LP	(1,041,862)	23,280,617							22,238,755	
.....	37-15576VH	Barings Euro CLO 2021-I DAC	0	4,942,971							4,942,971	
.....		Barings Euro CLO 2021-III DAC	0	11,292,696							11,292,696	
.....		Barings European Core Property Fund SCSp ..	0	2,504,024							2,504,024	
.....	46-5001122	Barings European Private Loan Fund III A ..	(6,397,425)	3,274,022							(3,123,403)	
.....		Barings European Real Estate Debt Income Fund	(9,454,921)	0							(9,454,921)	
.....	80-0875475	Barings Finance LLC			(539,000,000)						(539,000,000)	
.....	98-1332384	Barings Global Energy Infrastructure Fund I LP	0	99,468,189							99,468,189	
.....	82-3867745	Barings Global Real Assets Fund LP	(304,749)	(1,175,909)							(1,480,658)	
.....		Barings Global Special Situations Credit 4 Delaware	0	6,483,090							6,483,090	
.....		Barings Global Special Situations Credit 4 LUX	0	2,198,521							2,198,521	
.....	87-0977058	Barings Hotel Opportunity Venture	(3,175,000)	16,760,000							13,585,000	

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 2 - SUMMARY OF INSURER'S TRANSACTIONS WITH ANY AFFILIATES

1	2	3	4	5	6	7	8	9	10	11	12	13
NAIC Company Code	ID Number	Names of Insurers and Parent, Subsidiaries or Affiliates	Shareholder Dividends	Capital Contributions	Purchases, Sales or Exchanges of Loans, Securities, Real Estate, Mortgage Loans or Other Investments	Income/ (Disbursements) Incurred in Connection with Guarantees or Undertakings for the Benefit of any Affiliate(s)	Management Agreements and Service Contracts	Income/ (Disbursements) Incurred Under Reinsurance Agreements	*	Any Other Material Activity Not in the Ordinary Course of the Insurer's Business	Totals	Reinsurance Recoverable/ (Payable) on Losses and/or Reserve Credit Taken/(Liability)
	86-3661023	Barings Innovations & Growth Real Estate Fund	0	16,878,540							16,878,540	
		Barings Middle Market CLO 2017-I Ltd & LLC	0	37,777,778							37,777,778	
		Barings Middle Market CLO 2019-I	0	39,743,173							39,743,173	
		Barings Perpetual European Direct Lending Fund	0	164,325,000							164,325,000	
	98-1332384	Barings RE Credit Strategies VII LP	196,927	(3,546,185)							(3,349,258)	
	85-3449260	Barings Real Estate Debt Income Fund LP	(21,139,211)	70,789,560							49,650,350	
		Barings Real Estate European Value Add I SCSp	6,137,179	(29,824,200)							(23,687,021)	
		Barings Small Business Fund, L.P.	0	2,236,234							2,236,234	
	98-1567942	Barings Target Yield Infrastructure Debt Fund	(5,802,624)	25,832,526							20,029,902	
	87-1262754	Barings Transportation Fund LP	(462,009)	37,176,534							36,714,525	
		Barings Umbrella Fund LUX SCSp SICAV RAIF	0	16,757,022							16,757,022	
	04-1590850	Berkshire Way LLC	(139,000,000)	(140,725,000)							(279,725,000)	
		Braemar Energy Ventures I, L.P.	(4,292,985)	(1,936,639)							(6,229,624)	
		CML Special Situations Investor LLC	(339,743)	125,278							(214,465)	
	95-4207717	Cornerstone California Mortgage Fund I LLC	(5,802,195)	(163,191)							(5,965,386)	
	95-4207717	Cornerstone California Mortgage Fund II LLC	(3,154,675)	(944,793)							(4,099,468)	
	95-4207717	Cornerstone California Mortgage Fund III LLC	(3,632,037)	24,280,758							20,648,721	
	56-2630592	Cornerstone Fort Pierce Development LLC	0	155,069							155,069	
	61-1750537	Cornerstone Permanent Mortgage Fund II	(3,937,882)	(1,020,118)							(4,958,000)	
		Cornerstone Permanent Mortgage Fund III LLC	(4,990,337)	(402,663)							(5,393,000)	
	61-1793735	Cornerstone Permanent Mortgage Fund IV LLC	(5,629,445)	(12,555)							(5,642,000)	
	45-2632610	Cornerstone Permanent Mortgage Fund LLC	(3,950,083)	(1,557,917)							(5,508,000)	
	81-4258759	CRA Aircraft Holding LLC	(975,874)	(2,224,126)							(3,200,000)	
	20-0348173	CREA/PPC Venture LLC	0	2,136,721							2,136,721	
	82-2783393	Danville Riverwalk Venture, LLC	0	665,000							665,000	
	04-1590850	DPI Acres Capital SPV LLC	(3,169,173)	(151,830,827)							(155,000,000)	
		E2E Affordable Housing Debt Fund LLC	0	105,488							105,488	
		EIP Holdings I, LLC	(4,448,631)	0							(4,448,631)	
		EM Opportunities LLC	0	(184,775,000)							(184,775,000)	
	04-1590850	Euro Real Estate Holdings LLC	0	34,434,784							34,434,784	
	90-0991195	Gateway Mezzanine Partners II LP	(6,416,765)	(6,789,671)							(13,206,437)	
	04-1590850	GIA EU Holdings LLC	243,146	46,501,978							46,745,124	
	86-2294635	Glidepath Holdings Inc.	0	0							0	
	37-1708623	Great Lakes III, L.P.	(954,655)	(834,105)							(1,788,760)	

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 2 - SUMMARY OF INSURER’S TRANSACTIONS WITH ANY AFFILIATES

1	2	3	4	5	6	7	8	9	10	11	12	13
NAIC Company Code	ID Number	Names of Insurers and Parent, Subsidiaries or Affiliates	Shareholder Dividends	Capital Contributions	Purchases, Sales or Exchanges of Loans, Securities, Real Estate, Mortgage Loans or Other Investments	Income/ (Disbursements) Incurred in Connection with Guarantees or Undertakings for the Benefit of any Affiliate(s)	Management Agreements and Service Contracts	Income/ (Disbursements) Incurred Under Reinsurance Agreements	*	Any Other Material Activity Not in the Ordinary Course of the Insurer's Business	Totals	Reinsurance Recoverable/ (Payable) on Losses and/or Reserve Credit Taken/(Liability)
	46-2252944	Haven Life Insurance Agency, LLC		20,000,000							20,000,000	
	04-1590850	Insurance Road LLC	(181,300,000)	(133,796,757)							(315,096,757)	
		Intermodal Holding II LLC	(42,280)	(173,756)							(216,036)	
		JFIN Revolver Fund, L.P.	0	1,168,943							1,168,943	
	81-5360103	Landmark Manchester Holdings LLC	0	4,608,454							4,608,454	
		Martello Re Limited								4,671,563,564	4,671,563,564	
	04-2854319	MassMutual Holding LLC	(730,000,000)	100,705,102							(629,294,898)	
	04-3313782	MassMutual International LLC	0	13,683,045							13,683,045	
	45-1618046	MassMutual ishares 60/40 Allocation Fund	(370,031)								(370,031)	
		MassMutual Mortgage Lending LLC	0	94,930,768							94,930,768	
	51-0529328	MassMutual Premier Main Street Fund	(9,252)								(9,252)	
	26-3229251	MassMutual Premier Strategic Emerging Markets Fund	(15)								(15)	
	27-1933389	MassMutual RetireSMART 2035 Fund	(2,472)								(2,472)	
	27-1932769	MassMutual RetireSMART 2045 Fund	(3,309)								(3,309)	
	46-3289207	MassMutual RetireSMART 2055 Fund	(36,689)								(36,689)	
	47-5326235	MassMutual RetireSMART 2060 Fund	(466,228)								(466,228)	
	03-0532464	MassMutual RetireSMART In Retirement Fund										
			(2,565)								(2,565)	
	42-1710935	MassMutual Select Mid-Cap Value Fund	(2,602)								(2,602)	
	04-3584140	MassMutual Select Small Company Value Fund	(2,649)								(2,649)	
	82-3347422	MassMutual Select T. Rowe Price Retirement 2005 Fund	(2,009)								(2,009)	
	04-1590850	MassMutual Venture US IV LP	0	76,178,711							76,178,711	
	04-1590850	MassMutual Ventures US IV GP	0	1,237,500							1,237,500	
	04-1590850	Miami Douglas Three MM, LLC	0	2,593,185							2,593,185	
	04-1590850	MM 1400 E 4th Street Member LLC	0	277,131							277,131	
	31-1395344	MM Ascend Life Investor Services, LLC		700,000							700,000	
	04-1590850	MM Brookhaven Member LLC	0	3,291,302							3,291,302	
		MM CM Holding LLC	0	23,783,302							23,783,302	
	04-1590850	MM Copper Hill Road LLC	0	2,393,634							2,393,634	
	04-1590850	MM East South Crossing Member LLC	0	1,034,228							1,034,228	
		MM Investment Holding			1,170,836,705						1,170,836,705	
	04-1590850	MM Kannapolis Industrial Member LLC	0	23,661,342							23,661,342	
	04-1590850	MM National Self-Storage Program Member LLC	30,173	10,392,632							10,422,805	
	04-1590850	MM Private Equity Intercontinental LLC	(2,897,402)	82,276,892							79,379,490	
	04-1590850	MM Rothesay Holdco US LLC		16,573,927							16,573,927	
	04-1590850	MM Subline Borrower LLC	0	162,545							162,545	
		MML Investment Advisers, LLC	(47,339,800)	0							(47,339,800)	
	04-1590850	MML Private Equity Fund Investor LLC	(7,812,922)	(17,165,758)							(24,978,679)	
	47-3544629	MML Series II Equity Rotation Fund	(482,008)								(482,008)	
	04-1590850	MMV Climate Technology Fund GP	0	6,301,783							6,301,783	
	80-0948028	One Harbor Shore LLC	0	5,053,528							5,053,528	

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 2 - SUMMARY OF INSURER’S TRANSACTIONS WITH ANY AFFILIATES

1	2	3	4	5	6	7	8	9	10	11	12	13
NAIC Company Code	ID Number	Names of Insurers and Parent, Subsidiaries or Affiliates	Shareholder Dividends	Capital Contributions	Purchases, Sales or Exchanges of Loans, Securities, Real Estate, Mortgage Loans or Other Investments	Income/ (Disbursements) Incurred in Connection with Guarantees or Undertakings for the Benefit of any Affiliate(s)	Management Agreements and Service Contracts	Income/ (Disbursements) Incurred Under Reinsurance Agreements	*	Any Other Material Activity Not in the Ordinary Course of the Insurer's Business	Totals	Reinsurance Recoverable/ (Payable) on Losses and/or Reserve Credit Taken/(Liability)
	04-1590850	PACO France Logistics LLC	0	300,362							300,362	
	46-5460309	Red Lake Ventures, LLC	0	86,667							86,667	
	81-4065378	Remington L & W Holdings LLC	0	(3,974,291)							(3,974,291)	
		Rothsay Life Plc									0	24,911,649
		Sleeper Street LLC		97,497,896							97,497,896	
	06-1563535	The MassMutual Trust Company	(4,500,000)								(4,500,000)	
	47-5322979	Timberland Forest Holding LLC	0	(758,500)							(758,500)	
	41-2280129	Tower Square Capital Partners IIIA, L.P.	0	(1,644,192)							(1,644,192)	
	04-1590850	Trailside MM Member II LLC	0	12,115,620							12,115,620	
	04-1590850	Trailside MM Member LLC	0	4,180,514							4,180,514	
	82-3250684	Unna, Dortmund Holding LLC	(226,247)	824,562							598,315	
	45-5401109	Washington Gateway Apartments Venture LLC										
			(190,973)	1,104,649							913,676	
	32-0574045	Washington Gateway Three LLC	0	2,850,000							2,850,000	
	83-1325764	Washington Gateway Two LLC	0	4,072,069							4,072,069	
	04-1590850	Washington Pine LLC	0	50,894							50,894	
	88-3861481	West 37th Street Hotel LLC	(2,145,259)	505,007							(1,640,252)	
9999999 Control Totals			0	0	0	0	0	0	XXX	0	0	0

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE Y

PART 3 - ULTIMATE CONTROLLING PARTY AND LISTING OF OTHER U.S. INSURANCE GROUPS OR ENTITIES UNDER THAT ULTIMATE CONTROLLING PARTY'S CONTROL

[illegible]

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

REQUIRED FILINGS

The following supplemental reports are required to be filed as part of your statement filing unless specifically waived by the domiciliary state. However, in the event that your domiciliary state waives the filing requirement, your response of WAIVED to the specific interrogatory will be accepted in lieu of filing a “NONE” report and a bar code will be printed below. If the supplement is required of your company but is not being filed for whatever reason enter SEE EXPLANATION and provide an explanation following the interrogatory questions.

	Responses
MARCH FILING	
1. Will the Supplemental Compensation Exhibit be filed with the state of domicile by March 1?	YES
2. Will the confidential Risk-based Capital Report be filed with the NAIC by March 1?	YES
3. Will the confidential Risk-based Capital Report be filed with the state of domicile, if required, by March 1?	YES
4. Will an actuarial opinion be filed by March 1?	YES
APRIL FILING	
5. Will Management’s Discussion and Analysis be filed by April 1?	YES
6. Will the Life, Health & Annuity Guaranty Association Assessable Premium Exhibit - Parts 1 and 2 be filed with the state of domicile and the NAIC by April 1? (Not applicable to fraternal benefit societies)	YES
7. Will the Supplemental Investment Risks Interrogatories be filed by April 1?	YES
JUNE FILING	
8. Will an audited financial report be filed by June 1?	YES
9. Will Accountant’s Letter of Qualifications be filed with the state of domicile and electronically with the NAIC by June 1?	YES

SUPPLEMENTAL FILINGS

The following supplemental reports are required to be filed as part of your annual statement filing if your company is engaged in the type of business covered by the supplement. However, in the event that your company does not transact the type of business for which the special report must be filed, your response of NO to the specific interrogatory will be accepted in lieu of filing a “NONE” report and a bar code will be printed below. If the supplement is required of your company but is not being filed for whatever reason enter SEE EXPLANATION and provide an explanation following the interrogatory questions.

MARCH FILING	
10. Will Schedule SIS (Stockholder Information Supplement) be filed with the state of domicile by March 1? (Not applicable to fraternal benefit societies) ..	NO
11. Will the Medicare Supplement Insurance Experience Exhibit be filed with the state of domicile and the NAIC by March 1?	YES
12. Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC by March 1?	NO
13. Will the actuarial opinion on participating and non-participating policies as required in Interrogatories 1 and 2 to Exhibit 5 be filed with the state of domicile and electronically with the NAIC by March 1?	YES
14. Will the actuarial opinion on non-guaranteed elements as required in interrogatory #3 to Exhibit 5 be filed with the state of domicile and electronically with the NAIC by March 1?	YES
15. Will the actuarial opinion on X-Factors be filed with the state of domicile and electronically with the NAIC by March 1?	YES
16. Will the actuarial opinion on Separate Accounts Funding Guaranteed Minimum Benefit be filed with the state of domicile and electronically with the NAIC by March 1?	NO
17. Will the actuarial opinion on Synthetic Guaranteed Investment Contracts be filed with the state of domicile and electronically with the NAIC by March 1?	NO
18. Will the Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV be filed with the state of domicile and electronically with the NAIC by March 1?	NO
19. Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXV be filed with the state of domicile and electronically with the NAIC by March 1?	YES
20. Will the Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI be filed with the state of domicile and electronically with the NAIC by March 1?	NO
21. Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Average Market Value) be filed with the state of domicile and electronically with the NAIC by March 1?	NO
22. Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) be filed with the state of domicile and electronically with the NAIC by March 1?	NO
23. Will the C-3 RBC Certifications required under C-3 Phase I be filed with the state of domicile and electronically with the NAIC by March 1?	YES
24. Will the C-3 RBC Certifications required under C-3 Phase II be filed with the state of domicile and electronically with the NAIC by March 1?	YES
25. Will the Actuarial Certifications Related to Annuity Nonforfeiture Ongoing Compliance for Equity Indexed Annuities be filed with the state of domicile and electronically with the NAIC by March 1?	NO

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

26.	Will the actuarial opinion required by the Modified Guaranteed Annuity Model Regulation be filed with the state of domicile and electronically with the NAIC by March 1?	NO
27.	Will the Actuarial Certification regarding the use of 2001 Preferred Class Tables required by the Model Regulation Permitting the Recognition of Preferred Mortality Tables for Use in Determining Minimum Reserve Liabilities be filed with the state of domicile and electronically with the NAIC by March 1?	NO
28.	Will the Worker's Compensation Carve-Out Supplement be filed by March 1? (Not applicable to fraternal benefit societies)	NO
29.	Will Supplemental Schedule O be filed with the state of domicile and the NAIC by March 1?	YES
30.	Will the Medicare Part D Coverage Supplement be filed with the state of domicile and the NAIC by March 1?	NO
31.	Will an approval from the reporting entity's state of domicile for relief related to the five-year rotation requirement for lead audit partner be filed electronically with the NAIC by March 1?	NO
32.	Will an approval from the reporting entity's state of domicile for relief related to the one-year cooling off period for independent CPA be filed electronically with the NAIC by March 1?	NO
33.	Will an approval from the reporting entity's state of domicile for relief related to the Requirements for Audit Committees be filed electronically with the NAIC by March 1?	NO
34.	Will the VM-20 Reserves Supplement be filed with the state of domicile and the NAIC by March 1?	YES
35.	Will the Health Supplement be filed with the state of domicile and the NAIC by March 1?	YES
36.	Will the Market Conduct Annual Statement (MCAS) Premium Exhibit for Year be filed with appropriate jurisdictions and with the NAIC by March 1?	YES

APRIL FILING

37.	Will the confidential Regulatory Asset Adequacy Issues Summary (RAAIS) required by the Valuation Manual be filed with the state of domicile by April 1?	YES
38.	Will the Long-Term Care Experience Reporting Forms be filed with the state of domicile and the NAIC by April 1?	YES
39.	Will the Credit Insurance Experience Exhibit be filed with the state of domicile and the NAIC by April 1? (Not applicable to fraternal benefit societies) ..	NO
40.	Will the Accident and Health Policy Experience Exhibit be filed by April 1?	YES
41.	Will the Supplemental Health Care Exhibit (Parts 1 and 2) be filed with the state of domicile and the NAIC by April 1?	NO
42.	Will the confidential Actuarial Memorandum required by Actuarial Guideline XXXVIII 8D be filed with the state of domicile by April 30?	NO
43.	Will the Supplemental Term and Universal Life Insurance Reinsurance Exhibit be filed with the state of domicile and the NAIC by April 1?	YES
44.	Will the Variable Annuities Supplement be filed with the state of domicile and the NAIC by April 1?	YES
45.	Will the confidential Executive Summary of the PBR Actuarial Report be filed with the state of domicile by April 1?	YES
46.	Will the confidential Life Summary of the PBR Actuarial Report be filed with the state of domicile by April 1?	NO
47.	Will the confidential Variable Annuities Summary of the PBR Actuarial Report be filed with the state of domicile by April 1?	YES

AUGUST FILING

48.	Will Management's Report of Internal Control Over Financial Reporting be filed with the state of domicile by August 1?	YES
Explanations:		
10.	The data for this supplement is not required to be filed.	
12.	The data for this supplement is not required to be filed.	
16.	The data for this supplement is not required to be filed.	
17.	The data for this supplement is not required to be filed.	
18.	The data for this supplement is not required to be filed.	
20.	The data for this supplement is not required to be filed.	
21.	The data for this supplement is not required to be filed.	
22.	The data for this supplement is not required to be filed.	
25.	The data for this supplement is not required to be filed.	
26.	The data for this supplement is not required to be filed.	
27.	The data for this supplement is not required to be filed.	
28.	The data for this supplement is not required to be filed.	
30.	The data for this supplement is not required to be filed.	
31.	The data for this supplement is not required to be filed.	
32.	The data for this supplement is not required to be filed.	
33.	The data for this supplement is not required to be filed.	
39.	The data for this supplement is not required to be filed.	
41.	The data for this supplement is not required to be filed.	
42.	The data for this supplement is not required to be filed.	
46.	The data for this supplement is not required to be filed.	

Bar Codes:

10.	SIS Stockholder Information Supplement [Document Identifier 420]
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12.	Trusted Surplus Statement [Document Identifier 490]
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16.	Actuarial Opinion on Separate Accounts Funding Guaranteed Minimum Benefit [Document Identifier 443]
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17.	Actuarial Opinion on Synthetic Guaranteed Investment Contracts [Document Identifier 444]
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18.	Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 445]
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20.	Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI [Document Identifier 447]
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21.	Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI [Document Identifier 448]
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22.	Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) [Document Identifier 449]
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25.	Actuarial Certifications Related to Annuity Nonforfeiture Ongoing Compliance for Equity Indexed Annuities [Document Identifier 452]
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26.	Modified Guaranteed Annuity Model Regulation [Document Identifier 453]
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27.	Actuarial Certification regarding the use of 2001 Preferred Class Tables required by the Model Regulation Permitting the Recognition of Preferred Mortality Tables for Use in Determining Minimum Reserve Liabilities [Document Identifier 454]
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28.	Workers' Compensation Carve-Out Supplement [Document Identifier 495]
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ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

30. Medicare Part D Coverage Supplement [Document Identifier 365]



31. Relief from the five-year rotation requirement for lead audit partner [Document Identifier 224]



32. Relief from the one-year cooling off period for independent CPA [Document Identifier 225]



33. Relief from the Requirements for Audit Committees [Document Identifier 226]



39. Credit Insurance Experience Exhibit [Document Identifier 230]



41. Supplemental Health Care Exhibit (Parts 1 and 2) [Document Identifier 216]



42. Actuarial Memorandum Required by Actuarial Guideline XXXVIII 8D [Document Identifier 435]



46. Life Summary of the PBR Actuarial Report [Document Identifier 458]



ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

OVERFLOW PAGE FOR WRITE-INS

Additional Write-ins for Assets Line 25

	Current Year			Prior Year
	1	2	3	4
	Assets	Nonadmitted Assets	Net Admitted Assets (Cols. 1 - 2)	Net Admitted Assets
2504. Accounts receivable	15,451,114	8,955,194	6,495,920	
2597. Summary of remaining write-ins for Line 25 from overflow page	15,451,114	8,955,194	6,495,920	0

Additional Write-ins for Summary of Operations Line 8.3

	1	2
	Current Year	Prior Year
08.304. Miscellaneous income	54,818	87,840
08.397. Summary of remaining write-ins for Line 8.3 from overflow page	54,818	87,840

ANNUAL STATEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

OVERFLOW PAGE FOR WRITE-INS

Additional Write-ins for Analysis of Operations - Summary Line 8.3

	1	2	3	4	5	6	7	8	9
	Total	Individual Life	Group Life	Individual Annuities	Group Annuities	Accident and Health	Fraternal	Other Lines of Business	YRT Mortality Risk Only
08.304. Miscellaneous income	54,818			52,279	2,539				
08.397. Summary of remaining write-ins for Line 8.3 from overflow page	54,818	0	0	52,279	2,539	0	0	0	0



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Alabama.....
NAIC Group Code 0435..... NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
YES.....	1MSPD0001	D.....	NO.....	0034000	03/11/2004			05/31/2010	MEDICARE SUPPLEMENT	4,681	6,069	129.7	1	0	0	0.0	0
YES.....	1MSPF0001	F.....	NO.....	0034000	03/11/2004			05/31/2010	MEDICARE SUPPLEMENT	6,773	14,728	217.4	1	0	0	0.0	0
YES.....	1MSPG0001	G.....	NO.....	0034000	03/11/2004			05/31/2010	MEDICARE SUPPLEMENT	5,589	5,222	93.4	1	0	0	0.0	0
0199999. Total Experience on Individual Policies										17,044	26,019	152.7	3	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Colorado.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
.....YES.....	1MSPF0001	F.....	NO.....	0034060	12/24/2007 ..	.....	.....	...05/31/2010 ..	MEDICARE SUPPLEMENT	4,953	1,900	38.4	1	0	0	0.0	0
0199999. Total Experience on Individual Policies										4,953	1,900	38.4	1	0	0	0.0	0
.....																	
.....																	

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Florida.....
NAIC Group Code 0435..... NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
YES.....	1MSPC0001	C.....	NO.....	0034060	10/19/2006	10/16/2009			MEDICARE SUPPLEMENT	8,266	1,118	13.5	2	0	0	0.0	0
YES.....	1MSPD0001	D.....	NO.....	0034060	10/19/2006	10/16/2009			MEDICARE SUPPLEMENT	81,506	108,906	133.6	28	0	0	0.0	0
YES.....	1MSPF0001	F.....	NO.....	0034060	10/19/2006	10/16/2009			MEDICARE SUPPLEMENT	107,924	124,581	115.4	31	0	0	0.0	0
YES.....	1MSPG0001	G.....	NO.....	0034060	10/19/2006	10/16/2009			MEDICARE SUPPLEMENT	48,999	47,433	96.8	16	0	0	0.0	0
0199999. Total Experience on Individual Policies										246,696	282,037	114.3	77	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Georgia.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPD0001	D.....	NO.....	0034060	02/25/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	4,501	647	14.4	1	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034060	02/25/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	8,956	7,359	82.2	2	0	0	0.0	0
0199999. Total Experience on Individual Policies										13,457	8,006	59.5	3	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Illinois.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
.....YES.....	1MSPF0001	F.....	NO.....	0034060	02/09/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	39,520	27,946	70.7	6	0	0	0.0	0
0199999. Total Experience on Individual Policies										39,520	27,946	70.7	6	0	0	0.0	0
.....																	
.....																	

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Indiana.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
.....YES.....	1MSPD0001	D.....	NO.....	0034000	12/14/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	36,627	44,366	121.1	9	0	0	0.0	0
.....YES.....	1MSPF0001	F.....	NO.....	0034000	12/14/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	83,151	44,377	53.4	18	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034000	12/14/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	28,251	18,553	65.7	7	0	0	0.0	0
0199999. Total Experience on Individual Policies										148,029	107,296	72.5	34	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Iowa.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
.....YES.....	1MSPF0001	F.....	NO.....	0034000	02/24/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	94,943	71,927	75.8	18	0	0	0.0	0
0199999. Total Experience on Individual Policies										94,943	71,927	75.8	18	0	0	0.0	0
.....																	

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.
2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717
2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).
3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717
3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Kansas.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPF0001	F.....	NO.....	0034060	12/19/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	68,049	23,292	34.2	9	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034060	12/19/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	31,041	21,044	67.8	5	0	0	0.0	0
0199999. Total Experience on Individual Policies										99,091	44,336	44.7	14	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Kentucky.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
.....YES.....	1MSPD0001	D.....	NO.....	0034060	02/26/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	4,610	6,871	149.0	1	0	0	0.0	0
.....YES.....	1MSPF0001	F.....	NO.....	0034060	02/26/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	146,973	98,393	66.9	23	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034060	02/26/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	19,319	8,203	42.5	3	0	0	0.0	0
0199999. Total Experience on Individual Policies										170,901	113,467	66.4	27	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Michigan.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020			Policies Issued in 2021; 2022; 2023				
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
.....
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.
2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717
2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).
3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717
3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".
.....



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Missouri.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPF0001	F.....	NO.....	0034060	10/22/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	55,639	19,345	34.8	15	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034060	10/22/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	0	136	0.0	0	0	0	0.0	0
0199999. Total Experience on Individual Policies										55,639	19,481	35.0	15	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Nebraska.....
NAIC Group Code 0435..... NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPF0001	F.....	NO.....	0034000	10/18/2007 ..	.....	.....	...05/31/2010 ..	MEDICARE SUPPLEMENT	14,347	25,795	179.8	3	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034000	10/18/2007 ..	.....	.....	...05/31/2010 ..	MEDICARE SUPPLEMENT	4,337	394	9.1	1	0	0	0.0	0
0199999. Total Experience on Individual Policies										18,684	26,188	140.2	4	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Nevada.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
YES.....	1MSPG0001	G.....	NO.....	0034000	09/26/2008			05/31/2010	MEDICARE SUPPLEMENT	6,506	2,637	40.5	1	0	0	0.0	0
0199999. Total Experience on Individual Policies										6,506	2,637	40.5	1	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".

360.NH



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF New Hampshire.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPD0001	D.....	NO.....	0034060	12/06/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	4,350	631	14.5	1	0	0	0.0	0
.....YES.....	1MSPF0001	F.....	NO.....	0034060	12/06/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	10,060	2,592	25.8	2	0	0	0.0	0
0199999. Total Experience on Individual Policies										14,411	3,223	22.4	3	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF North Carolina.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
.....YES.....	1MSPC0001	C.....	NO.....	0034000	02/26/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	0.....	2.....	0.0.....	0.....	0.....	0.0.....	0.....	
.....YES.....	1MSPF0001	F.....	NO.....	0034060	02/26/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	177,684.....	78,781.....	44.3.....	27.....	0.....	0.....	0.0.....	0.....
.....YES.....	1MSPG0001	G.....	NO.....	0034000	02/26/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	52,408.....	28,765.....	54.9.....	8.....	0.....	0.....	0.0.....	0.....
0199999. Total Experience on Individual Policies										230,092.....	107,548.....	46.7.....	35.....	0.....	0.....	0.0.....	0.....

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Ohio.....
NAIC Group Code 0435..... NAIC Company Code 63312.....
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202.....
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
YES.....	1MSPC0001	C.....	NO.....	0034000	01/23/2004			05/31/2010	MEDICARE SUPPLEMENT	7,515	668	8.9	1	0	0	0.0	0
YES.....	1MSPD0001	D.....	NO.....	0034000	01/23/2004			05/31/2010	MEDICARE SUPPLEMENT	22,801	1,140	5.0	3	0	0	0.0	0
YES.....	1MSPF0001	F.....	NO.....	0034000	01/23/2004			05/31/2010	MEDICARE SUPPLEMENT	26,689	6,859	25.7	4	0	0	0.0	0
YES.....	1MSPG0001	G.....	NO.....	0034000	01/23/2004			05/31/2010	MEDICARE SUPPLEMENT	7,282	818	11.2	1	0	0	0.0	0
0199999. Total Experience on Individual Policies										64,287	9,484	14.8	9	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".

360.OK



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Oklahoma.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPF0001	F.....	NO.....	0034000	04/26/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	65,213	35,027	53.7	11	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034000	04/26/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	12,727	2,329	18.3	3	0	0	0.0	0
0199999. Total Experience on Individual Policies										77,939	37,356	47.9	14	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.
2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717
2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).
3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717
3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".

360.0R



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Oregon.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
.....YES.....	1MSPF0001	F.....	NO.....	0034060	01/09/2008 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	14,613	21,402	146.5	2	0	0	0.0	0
0199999. Total Experience on Individual Policies										14,613	21,402	146.5	2	0	0	0.0	0
.....																	
.....																	

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Pennsylvania.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPD0001	D.....	NO.....	0034060	09/30/2008 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	3,055	167	5.5	1	0	0	0.0	0
.....YES.....	1MSPF0001	F.....	NO.....	0034060	09/30/2008 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	6,867	1,857	27.0	2	0	0	0.0	0
0199999. Total Experience on Individual Policies										9,922	2,025	20.4	3	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF South Carolina.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPF0001	F.....	NO.....	0034000	02/18/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	105,796	61,364	58.0	18	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034000	02/18/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	128,289	73,981	57.7	24	0	0	0.0	0
0199999. Total Experience on Individual Policies										234,084	135,345	57.8	42	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Tennessee.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPF0001	F.....	NO.....	0034060	02/13/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	64,760	48,562	75.0	11	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034060	02/13/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	20,409	14,167	69.4	2	0	0	0.0	0
0199999. Total Experience on Individual Policies										85,169	62,729	73.7	13	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".

360.TX



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Texas.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Characteristics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
.....YES.....	1MSPA0001	A.....	NO.....	0034060	01/09/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	6,504	4,433	68.2	2	0	0	0.0	0
.....YES.....	1MSPF0001	F.....	NO.....	0034000	01/09/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	59,204	56,517	95.5	8	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034000	01/09/2004 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	29,049	13,101	45.1	4	0	0	0.0	0
0199999. Total Experience on Individual Policies										94,757	74,051	78.1	14	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Utah.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPF0001	F.....	NO.....	0034000	01/24/2008 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	21,110	6,530	30.9	4	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034000	01/24/2008 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	18,908	2,237	11.8	4	0	0	0.0	0
0199999. Total Experience on Individual Policies										40,018	8,767	21.9	8	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Virginia.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1	2	3	4	5	6	7	8	9	10	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11	Incurred Claims		14	15	Incurred Claims		18
											12	13			16	17	
Compliance with OBRA	Policy Form Number	Standardized Medicare Supplement Benefit Plan	Medicare Select	Plan Characteristics	Date Approved	Date Approval Withdrawn	Date Last Amended	Date Closed	Policy Marketing Trade Name	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives	Premiums Earned	Amount	Percent of Premiums Earned	Number of Covered Lives
.....YES.....	1MSPF0001	F.....	NO.....	0034000	02/04/2009 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	19,354	9,584	49.5	3	0	0	0.0	0
.....YES.....	1MSPG0001	G.....	NO.....	0034000	02/04/2009 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	(722)	0	0.0	0	0	0	0.0	0
0199999. Total Experience on Individual Policies										18,632	9,584	51.4	3	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF West Virginia.....
NAIC Group Code 0435 NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
.....YES.....	1MSPF0001	F.....	NO.....	0034000	10/29/2007 .....	.....	.....	.....05/31/2010	MEDICARE SUPPLEMENT	5,980	869	14.5	1	0	0	0.0	0
0199999. Total Experience on Individual Policies										5,980	869	14.5	1	0	0	0.0	0
.....																	

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MEDICARE SUPPLEMENT INSURANCE EXPERIENCE EXHIBIT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF Wisconsin.....
NAIC Group Code 0435..... NAIC Company Code 63312
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
Person Completing This Exhibit
Title Telephone Number

1 Compliance with OBRA	2 Policy Form Number	3 Standardized Medicare Supplement Benefit Plan	4 Medicare Select	5 Plan Character- istics	6 Date Approved	7 Date Approval Withdrawn	8 Date Last Amended	9 Date Closed	10 Policy Marketing Trade Name	Policies Issued Through 2020				Policies Issued in 2021; 2022; 2023			
										11 Premiums Earned	Incurred Claims		14 Number of Covered Lives	15 Premiums Earned	Incurred Claims		18 Number of Covered Lives
											12 Amount	13 Percent of Premiums Earned			16 Amount	17 Percent of Premiums Earned	
YES.....	1MSP-WI	0.....	NO.....	0034060	03/30/2009			05/31/2010	MEDICARE SUPPLEMENT	49,916	63,377	127.0	9	0	0	0.0	0
0199999. Total Experience on Individual Policies										49,916	63,377	127.0	9	0	0	0.0	0

GENERAL INTERROGATORIES

1. If response in Column 1 is no, give full and complete details
2. Claims address and contact person provided to the Secretary of Health and Human Services as required by 42 U.S.C. 1395ss(c)(3)(E) for this state.

2.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

2.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
3. Billing address and contact person for user fees established under 41 U.S.C. 1395u(h)(3)(B).

3.1 Address: 11200 Lakeline Blvd Suite 100 Austin , TX 78717

3.2 Contact Person and Phone Number: David Brosig 1-866-459-4272
4. Explain any policies identified above as policy type "O".

VM-20 Reserves Supplement - Part 1A

N O N E

VM-20 Reserves Supplement - Part 1B

N O N E

SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

VM-20 RESERVES SUPPLEMENT – PART 2

Life PBR Exemption
For The Year Ended December 31, 2023
(To Be Filed by March 1)

Life PBR Exemption as defined in the NAIC adopted Valuation Manual (VM)	
1. Has the company been allowed a Life PBR Exemption from the reserve requirements of VM-20 of the Valuation Manual by their state of domicile?	Yes [X] No []
2. If the response to Question 1 is "Yes", then check the source of the "Life PBR Exemption" definition? (Check either 2.1, 2.2 or 2.3)	
2.1 NAIC Adopted VM [X]	
2.2 State Statute (SVL) [] Complete items "a" and "b" as appropriate.	
a. Is the criteria in the State Statute (SVL) different from the NAIC adopted VM?	Yes [] No []
b. If the answer to "a" above is "Yes", provide the criteria the state has used to allow the Life PBR Exemption (e.g., Group/Legal Entity criteria) and the minimum reserve requirements that are required by the state of domicile (if the minimum reserve requirements are the same as the Adopted VM, write SAME AS NAIC VM):	
2.3 State Regulation [] Complete items "a" and "b" as appropriate.	
a. Is the criteria in the State Regulation different from the NAIC adopted VM?	Yes [] No []
b. If the answer to "a" above is "Yes", provide the criteria of the state's Life PBR Exemption that the company has met and the minimum reserve requirements that are required by the state of domicile (if the minimum reserve requirements are the same as the Adopted VM, write SAME AS NAIC VM):	
3. If the criteria for the "Life PBR Exemption" is the same as or substantially similar to the NAIC adopted VM (i.e., Question 2.1 is checked or Question 2.2.a is "No" or Question 2.3.a is "No"), then provide the most recent year that the company filed a statement of exemption that was allowed. If such calendar year is not the current calendar year for this statement, also provide confirmation that the company meets the criteria for utilizing an ongoing statement of exemption, meaning that none of the following apply: 1) the company fails to meet either of the conditions in VM Section II, Subsection 1.G.2, 2) the policies exempted contain those in VM Section II, Subsection 1.G.3, or 3) the domiciliary commissioner contacted the company prior to Sept. 1 and notified them that the statement of exemption was not allowed: 2022. The Company confirms that it meets the criteria for utilizing an ongoing statement of exemption.	

VM-20 RESERVES SUPPLEMENT – PART 3

Other Exclusions from Life PBR
For The Year Ended December 31, 2023
(To Be Filed by March 1)

1A. Has the company filed and been granted a Single State Exemption from the reserve requirements of VM-20 of the Valuation Manual by their state of domicile?	Yes [] No [X]
1B. If the answer to question 1A is "Yes" please discuss any business not covered under the Single State Exemption.	
2A. If the answer to question 1A is "Yes", does the company have risks for policies issued outside its state of domicile?	
2B. If the answer to question 2A is "Yes" please discuss the risks for policies issued outside the state of domicile, how those risks came to be a responsibility of the company, and why the company would still be considered a Single State Company with such risks.	
3. Is all of the company's individual ordinary life insurance business excluded from the requirements of VM-20 pursuant to Section II.B of the Valuation Manual?	Yes [X] No []



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE O SUPPLEMENT

For The Year Ended December 31, 2023
(To Be Filed by March 1)

Of The MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
NAIC Group Code 0435 NAIC Company Code 63312 Employer's Identification Number (FEIN) 13-1935920

SUPPLEMENTAL SCHEDULE O - PART 1

Development of Incurred Losses
(\$000 Omitted)

Section A - Group Accident and Health

Years in Which Losses Were Incurred		Cumulative Net Amounts Paid Policyholders				
		1 2019	2 2020	3 2021	4 2022	5 2023(a)
1.	Prior	0	0	0	0	
2.	2019			0		
3.	2020	XXX	5	0		
4.	2021	XXX	XXX	(5)		
5.	2022	XXX	XXX	XXX		
6.	2023	XXX	XXX	XXX	XXX	

Section B - Other Accident and Health

1.	Prior	3,290	5,779	10,255	9,556	10,733
2.	2019	338	1,423	2,247	2,862	3,312
3.	2020	XXX	294	1,158	1,742	2,066
4.	2021	XXX	XXX	413	1,160	1,878
5.	2022	XXX	XXX	XXX	173	931
6.	2023	XXX	XXX	XXX	XXX	638

Section C - Credit Accident and Health

1.	Prior					
2.	2019					
3.	2020	XXX				
4.	2021	XXX	X			
5.	2022	XXX	XX	XXX		
6.	2023	XXX	XX		XXX	

Section D -

1.	Prior					
2.	2019					
3.	2020	XXX				
4.	2021	XXX	X			
5.	2022	XXX	XX	XXX		
6.	2023	XXX	XX		XXX	

Section E -

1.	Prior					
2.	2019					
3.	2020	XXX				
4.	2021	XXX	X			
5.	2022	XXX	XX	XXX		
6.	2023	XXX	XX		XXX	

Section F -

1.	Prior					
2.	2019					
3.	2020	XXX				
4.	2021	XXX	X			
5.	2022	XXX	XX	XXX		
6.	2023	XXX	XX		XXX	

Section G -

1.	Prior					
2.	2019					
3.	2020	XXX				
4.	2021	XXX	X			
5.	2022	XXX	XX	XXX		
6.	2023	XXX	XX		XXX	

(a) See the Annual Audited Financial Reports section of the annual statement instructions.

SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE O SUPPLEMENT

SUPPLEMENTAL SCHEDULE O - PART 2

Development of Incurred Losses
(\$000 Omitted)

Section A - Group Accident and Health

Years in Which Losses Were Incurred		Net Amounts Paid for Cost Containment Expenses				
		1 2019	2 2020	3 2021	4 2022	5 2023
1.	Prior	NONE				
2.	2019					
3.	2020					
4.	2021					
5.	2022					
6.	2023					

Section B - Other Accident and Health

1.	Prior	NONE				
2.	2019					
3.	2020					
4.	2021					
5.	2022					
6.	2023					

Section C - Credit Accident and Health

1.	Prior	NONE				
2.	2019					
3.	2020					
4.	2021					
5.	2022					
6.	2023					

Section D -

1.	Prior	NONE				
2.	2019					
3.	2020					
4.	2021					
5.	2022					
6.	2023					

Section E -

1.	Prior	NONE				
2.	2019					
3.	2020					
4.	2021					
5.	2022					
6.	2023					

Section F -

1.	Prior	NONE				
2.	2019					
3.	2020					
4.	2021					
5.	2022					
6.	2023					

Section G -

1.	Prior	NONE				
2.	2019					
3.	2020					
4.	2021					
5.	2022					
6.	2023					

SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE O SUPPLEMENT

SUPPLEMENTAL SCHEDULE O - PART 3

Development of Incurred Losses
(\$000 Omitted)

Section A - Group Accident and Health

Years in Which Losses Were Incurred		Sum of Net Cumulative Amount Paid Policyholders and Claim Liability and Reserve Outstanding at End of Year				
		1 2019	2 2020	3 2021	4 2022	5 2023
1.	2019	2	0	0	.XXX.	.XXX.
2.	2020	.XXX.	854	0	0	.XXX.
3.	2021	.XXX.	.XXX.	(4)	0	0
4.	2022	.XXX.	.XXX.	.XXX.	2	0
5.	2023	.XXX.	.XXX.	.XXX.	.XXX.	3

Section B - Other Accident and Health

1.	2019	3,951	4,842	4,279	.XXX.	.XXX.
2.	2020	.XXX.	3,082	2,921	2,548	.XXX.
3.	2021	.XXX.	.XXX.	3,684	2,950	3,785
4.	2022	.XXX.	.XXX.	.XXX.	4,150	2,796
5.	2023	.XXX.	.XXX.	.XXX.	.XXX.	5,392

Section C - Credit Accident and Health

1.	2019				.XXX.	.XXX.
2.	2020	.XXX.				.XXX.
3.	2021	.XXX.				
4.	2022	.XXX.	.XX.	.XXX.		
5.	2023	.XXX.	.XX.	.XXX.	.XXX.	

Section D -

1.	2019				.XXX.	.XXX.
2.	2020	.XXX.				.XXX.
3.	2021	.XXX.				
4.	2022	.XX.	.XX.	.XXX.		
5.	2023	.XXX.	.XX.	.XXX.	.XXX.	

Section E -

1.	2019				.XXX.	.XXX.
2.	2020	.XXX.				.XXX.
3.	2021	.XXX.				
4.	2022	.XX.	.XX.	.XXX.		
5.	2023	.XXX.	.XX.	.XXX.	.XXX.	

Section F -

1.	2019				.XXX.	.XXX.
2.	2020	.XXX.				.XXX.
3.	2021	.XXX.				
4.	2022	.XX.	.XX.	.XXX.		
5.	2023	.XXX.	.XX.	.XXX.	.XXX.	

Section G -

1.	2019				.XXX.	.XXX.
2.	2020	.XXX.				.XXX.
3.	2021	.XXX.				
4.	2022	.XX.	.XX.	.XXX.		
5.	2023	.XXX.	.XX.	.XXX.	.XXX.	

SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

SCHEDULE O SUPPLEMENT

SUPPLEMENTAL SCHEDULE O - PART 4

Development of Incurred Losses
(\$000 Omitted)

Section A - Group Accident and Health

Years in Which Losses Were Incurred		Sum of Net Cumulative Amount Paid Policyholders, Cost Containment Expenses, and Claim and Cost Containment Liability and Reserve Outstanding at End of Year				
		1 2019	2 2020	3	4 2022	5 2023
1.	2019	NONE				
2.	2020		XXX			
3.	2021		XXX	XXX		
4.	2022		XXX	XXX	XXX	
5.	2023		XXX	XXX	XXX	XXX

Section B - Other Accident and Health

1.	2019					
2.	2020	XXX				
3.	2021	XXX				
4.	2022	XXX	XX	XXX		
5.	2023	XXX	XX		XXX	

Section C - Credit Accident and Health

1.	2019					
2.	2020	XXX				
3.	2021	XXX				
4.	2022	XXX	XX	XXX		
5.	2023	XXX	XX		XXX	

Section D -

1.	2019					
2.	2020	XXX				
3.	2021	XXX				
4.	2022	XXX	XX	XXX		
5.	2023	XXX	XX	XXX	XXX	

Section E -

1.	2019					
2.	2020	XXX				
3.	2021	XXX				
4.	2022	XXX	XX	XXX		
5.	2023	XXX	XX	XXX	XXX	

Section F -

1.	2019					
2.	2020	XXX				
3.	2021	XXX				
4.	2022	XXX	XX	XXX		
5.	2023	XXX	XX	XXX	XXX	

Section G -

1.	2019					
2.	2020	XXX				
3.	2021	XXX				
4.	2022	XXX	XX	XXX		
5.	2023	XXX	XX	XXX	XXX	

SUPPLEMENTAL SCHEDULE O - PART 5

(\$000 OMITTED)

Reserve and Liability Methodology - Exhibits 6 and 8

Line of Business		1 Methodology	2 Amount
1.	Industrial Life		0
2.	Ordinary Life	Standard Factor	5,853
3.	Individual Annuity	Standard Factor	155,199
4.	Supplementary Contracts		
5.	Credit Life		
6.	Group Life	Standard Factor	22
7.	Group Annuities	Standard Factor	3,581
8.	Group Accident and Health	Other	3
9.	Credit Accident and Health		
10.	Other Accident and Health	Other	14,119
11.	Total		178,777



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

HEALTH SUPPLEMENTS

For The Year Ended December 31, 2023
(To Be Filed by March 1)

Of The MASSMUTUAL ASCEND LIFE INSURANCE COMPANY
ADDRESS (City, State and Zip Code) Cincinnati , OH 45202
NAIC Group Code 0435 NAIC Company Code 63312 Employer's ID Number 13-1935920

ANALYSIS OF OPERATIONS BY LINES OF BUSINESS

475-2

SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

OVERFLOW PAGE FOR WRITE-INS

Additional Write-ins for Analysis of Operations Line 6

		1	Comprehensive (Hospital & Medical)		4	5	6	7	8	9	10	11	12	13	14
		Total	2 Individual	3 Group	Medicare Supplement	Vision Only	Dental Only	Federal Employees Health Benefits Plan	Title XVIII Medicare	Title XIX Medicaid	Credit A&H	Disability Income	Long-Term Care	Other Health	Other Non-Health
0604.	Interest on company-owned life insurance	8,921,000	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	8,921,000
0605.	Reinsurance experience refund	748,500	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	748,500
0606.	Miscellaneous income	54,818	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	54,818
0697.	Summary of remaining write-ins for Line 6 from overflow page	9,724,318	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	9,724,318

Health Supplement - Exhibit 3 - Health Care Receivables
N O N E

Health Supplement - Exhibit 3A - Health Care Receivables Collected and Accrued
N O N E



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Alabama

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Alaska

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Arizona

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Arkansas

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: California

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Colorado

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Connecticut

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Delaware

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: District of Columbia

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Florida

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Georgia

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Hawaii

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Idaho

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Illinois

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Indiana

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Iowa

NAIC Group Code0435

NAIC Company Code63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Kansas

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Kentucky

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Louisiana

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Maine

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Maryland

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Massachusetts

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Michigan

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Minnesota

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Mississippi

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Missouri

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Montana

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Nebraska

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Nevada

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: New Hampshire

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: New Jersey

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: New Mexico

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: New York

NAIC Group Code0435

NAIC Company Code63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	NO
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: North Carolina

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: North Dakota

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	NO
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Ohio

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Oklahoma

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Oregon

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Pennsylvania

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Rhode Island

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: South Carolina

NAIC Group Code 0435NAIC Company Code 63312

MCAS LINE OF BUSINESS		MCAS Reportable Premium/Considerations (Yes/No)
1.	Disability Income	NO
2.	Health	NO
3.	Homeowners	NO
4.	Individual Annuity	YES
5.	Individual Life	YES
6.	Lender-Placed Home and Auto	NO
7.	Long-Term Care	YES
8.	Other Health	NO
9.	Private Flood	NO
10.	Private Passenger Auto	NO
11.	Short-Term Limited Duration Health Plans	NO
12.	Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: South Dakota

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Tennessee

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Texas

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Utah

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Vermont

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Virginia

NAIC Group Code0435

NAIC Company Code63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Washington

NAIC Group Code0435

NAIC Company Code63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: West Virginia

NAIC Group Code0435

NAIC Company Code63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Wisconsin

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	YES
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	YES
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Wyoming

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	YES
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: American Samoa

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	NO
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Guam

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	NO
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Puerto Rico

NAIC Group Code0435

NAIC Company Code63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	NO
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: U.S. Virgin Islands

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	NO
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Northern Mariana Islands

NAIC Group Code 0435 NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	NO
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO



SUPPLEMENT FOR THE YEAR 2023 OF THE MASSMUTUAL ASCEND LIFE INSURANCE COMPANY

MARKET CONDUCT ANNUAL STATEMENT (MCAS) PREMIUM EXHIBIT FOR YEAR

For The Year Ended December 31, 2023
(To Be Filed by March 1)

FOR THE STATE OF: Canada

NAIC Group Code 0435

NAIC Company Code 63312

MCAS LINE OF BUSINESS	MCAS Reportable Premium/Considerations (Yes/No)
1. Disability Income	NO
2. Health	NO
3. Homeowners	NO
4. Individual Annuity	NO
5. Individual Life	NO
6. Lender-Placed Home and Auto	NO
7. Long-Term Care	NO
8. Other Health	NO
9. Private Flood	NO
10. Private Passenger Auto	NO
11. Short-Term Limited Duration Health Plans	NO
12. Travel	NO