



April 6, 2023

CIRCULAR LETTER NO. 2415

To All Members and Subscribers of the WCRIBMA:

MANUAL RATES AND RATING VALUES EFFECTIVE JULY 1, 2023

Attached please find revised manual pages that reflect the rates and rating values that will take effect July 1, 2023 in accordance with Commissioner's Decision and Order announced in Circular Letter No. 2413. Changes will be made to the following:

- Class Rates for state and federal classes
- Class Minimum Premiums for state and federal classes
- Experience Rating Parameters including Expected Loss Rates and D-Ratios
- USL&HW percentage used in connection with Rule XII-D-3-b of the *Massachusetts Workers Compensation and Employers Liability Insurance Manual (MA Manual)*
- USL&HW Act—Expected Loss Factor—Non-F Classes shown in Part Five of the *Experience Rating Plan Manual*
- Retrospective Rating Parameters including Excess Loss Factors, Hazard Group Differentials, and Retrospective Rating Expense Tables
- Premium credits associated with the Benefits Deductible Coverage Program and the Benefits Claim and Aggregate Deductible Program

The new rates and rating values are available in electronic form on our website (www.wcribma.org). Experience rating and ARAP factors (including replacement of preliminary experience ratings and ARAP factors), effective July 1, 2023 and subsequent, will be issued in due course using the new experience rating parameters.

When the new rates, experience ratings, and ARAP factors are received and incorporated into policy issuance, carriers should no longer attach the Massachusetts Pending Premium Change Endorsement WC 20 04 01 to policies.

DANIEL R. JUDSON
President

Attachments

**MASSACHUSETTS WORKERS COMPENSATION
AND EMPLOYERS LIABILITY INSURANCE MANUAL**

RATES

Original Printing

Effective July 1, 2023

Page RA-1

RATES

LEGEND

(a) Rate for each individual risk must be obtained by Home Office from the MA Bureau.

D Supplement Disease Loading. Refer to Section IV of the Manual Supplement - - Treatment of Disease Coverage.

F Rate provides for coverage under the United States Longshore and Harbor Workers' Compensation Act.

M Risks are subject to Admiralty Law or Federal Employers Liability Act (FELA).

CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST	CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST	CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST	CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST
0005	2.01	249.	20.	1924	2.09	232.	--	2501	1.72	219.	--	3082D	3.16	270.	--
0008	1.84	243.	20.	1925	4.60	320.	--	2503	0.81	187.	--	3085D	3.22	272.	--
0016	2.65	272.	20.	2003	2.67	252.	--	2570	2.53	248.	--	3110	5.49	351.	--
0034	2.04	250.	20.	2014	2.99	264.	--	2576	1.58	214.	--	3111	1.80	222.	--
0035	1.25	223.	20.	2021	2.23	237.	--	2585	2.33	241.	--	3113	1.33	206.	--
0036	2.04	250.	20.	2039	3.36	277.	--	2586	1.73	220.	--	3114	1.99	229.	--
0042	2.69	273.	20.	2041	1.86	224.	--	2587	1.64	236.	20.	3118	1.05	196.	--
0046	2.22	257.	20.	2070	2.70	254.	--	2623	3.31	275.	--	3119	0.75	185.	--
0050	3.68	338.	50.	2081	2.48	246.	--	2651	1.02	195.	--	3120	0.93	192.	--
0059D	0.20	.	.	2089	2.05	231.	--	2660	1.49	211.	--	3122	1.64	216.	--
0065D	0.09	.	.	2095	2.31	240.	--	2683	1.60	215.	--	3127	1.24	202.	--
0066D	0.07	.	.	2101	2.05	231.	--	2688	1.57	214.	--	3131	1.07	196.	--
0067D	0.07	.	.	2105	(a)	(a)	(a)	2702	12.37	500.	20.	3132	1.59	215.	--
0079	2.08	252.	20.	2111	1.72	219.	--	2710	4.69	323.	--	3145	1.08	197.	--
0083	2.59	270.	20.	2114	2.05	231.	--	2731	2.28	239.	--	3146	1.53	213.	--
0106	7.07	500.	20.	2115	4.45	315.	--	2747	4.20	306.	--	3169	1.71	219.	--
0113	2.04	250.	20.	2121	1.08	197.	--	2790	1.70	219.	--	3179	0.85	189.	--
0170	2.04	250.	20.	2130	1.21	201.	--	2802	2.77	256.	--	3180	1.83	223.	--
0771b	0.39	.	.	2131	2.41	243.	--	2835	1.53	213.	--	3188	1.59	215.	--
0908	72.00	136.	--	2143	1.57	214.	--	2836	1.97	228.	--	3200	1.78	221.	--
0909	177.00	241.	--	2150	2.85	259.	--	2841	2.43	244.	--	3220	1.72	219.	--
0912	354.00	418.	--	2156	2.51	247.	--	2883	2.31	240.	--	3223	(a)	(a)	(a)
0913	143.00	207.	--	2157	3.22	272.	--	2923	0.93	192.	--	3255	1.55	213.	--
0917	1.78	241.	20.	2172	1.32	205.	--	2942	1.20	201.	--	3257	1.91	226.	--
0918	0.33	191.	20.	2211	4.24	307.	--	3018	1.88	225.	--	3270	1.38	207.	--
1430	2.99	264.	--	2220	2.32	240.	--	3022	2.63	251.	--	3300	2.69	253.	--
1438	2.71	254.	--	2260	3.85	294.	--	3027	2.32	240.	--	3305	(a)	(a)	(a)
1463	9.35	500.	--	2288	3.00	264.	--	3028	2.33	241.	--	3315	2.30	240.	--
1624D	3.50	302.	20.	2305	1.88	225.	--	3030	3.90	296.	--	3336	1.83	223.	--
1655	2.19	256.	20.	2362	1.67	217.	--	3040	4.53	318.	--	3365	3.54	333.	50.
1701	2.11	233.	--	2380	1.29	204.	--	3041	2.06	231.	--	3372	1.73	220.	--
1710D	3.50	302.	20.	2402	1.66	217.	--	3042	2.57	249.	--	3373	2.89	260.	--
1747	1.74	220.	--	2413	2.17	235.	--	3066	1.83	223.	--	3381	1.33	206.	--
1748	2.84	258.	--	2416	2.13	234.	--	3076	2.05	231.	--	3383	1.04	195.	--
1853	0.97	193.	--	2417	1.23	202.	--	3081D	3.16	270.	--	3385	0.69	183.	--

b Non-Ratable Code and Rate to be used with class code 4771.

**MASSACHUSETTS WORKERS COMPENSATION
AND EMPLOYERS LIABILITY INSURANCE MANUAL**

RATES

Page RA-2

Effective July 1, 2023

Original Printing

RATES

CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST	CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST	CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST	CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST
3400	1.71	219.	--	4150	0.56	179.	--	4771c	2.58	263.	--	5507	3.81	342.	50.
3507	2.09	232.	--	4239	2.14	234.	--	4777	2.11	233.	--	5508D	3.82	343.	50.
3515	1.88	225.	--	4243	2.02	230.	--	4825	0.29	169.	--	5509	4.84	469.	50.
3558	0.55	178.	--	4244	2.44	244.	--	4828	0.78	186.	--	5538	3.10	318.	50.
3571	0.47	175.	--	4250	1.78	221.	--	4829	0.78	186.	--	5545	38.36	500.	50.
3574	1.25	203.	--	4251	2.05	231.	--	4902	1.20	201.	--	5547	8.56	500.	50.
3612	1.06	196.	--	4273	2.24	237.	--	4923	0.47	175.	--	5606	0.98	243.	50.
3620	2.46	245.	--	4279	1.95	227.	--	5020	3.58	334.	50.	5610	4.47	456.	50.
3629	1.25	203.	--	4283	1.47	210.	--	5022	7.08	500.	50.	5645	5.37	488.	50.
3632	1.25	203.	--	4299	1.34	206.	--	5037	9.63	500.	50.	5701	12.63	500.	50.
3634	1.36	207.	--	4304	4.21	306.	--	5040	18.14	500.	50.	5703	7.06	500.	50.
3635	1.59	215.	--	4307	1.07	196.	--	5057	14.53	500.	50.	5705	8.25	500.	50.
3638	1.25	203.	--	4308	1.63	216.	--	5059	20.51	500.	50.	6003	4.98	474.	50.
3642	0.95	192.	--	4351	0.74	185.	--	5102	5.15	480.	50.	6005	3.82	343.	50.
3643	1.40	208.	--	4352	0.79	187.	--	5146	5.21	482.	50.	6204	4.69	464.	50.
3647	1.70	219.	--	4360	0.47	175.	--	5160	2.67	302.	50.	6217	3.52	332.	50.
3648	0.81	187.	--	4361	0.43	194.	20.	5183	2.67	302.	50.	6229	3.55	333.	50.
3681	0.45	175.	--	4362	0.36	192.	20.	5188	2.96	313.	50.	6233	1.59	265.	50.
3685	0.38	172.	--	4410	2.14	234.	--	5190	1.84	273.	50.	6251D	3.39	328.	50.
3724	3.41	328.	50.	4432	0.63	181.	--	5191	0.55	198.	20.	6252D	3.64	336.	50.
3726	3.70	339.	50.	4439	4.15	304.	--	5192	2.16	255.	20.	6306	7.47	500.	50.
3807	1.71	219.	--	4452	2.36	242.	--	5213	6.96	500.	50.	6319	2.00	279.	50.
3808	2.46	245.	--	4459	1.97	228.	--	5215	4.11	353.	50.	6325	2.20	286.	50.
3821	3.86	314.	20.	4470	1.42	209.	--	5221	5.36	488.	50.	6400	3.71	339.	50.
3826	2.74	255.	--	4484	1.72	219.	--	5222	6.79	500.	50.	6504	2.05	231.	--
3830	1.25	203.	--	4493	1.61	215.	--	5223	2.91	311.	50.	6702M	(a)	.	--
3841	1.42	209.	--	4511	0.23	187.	20.	5348	3.45	330.	50.	6703M	(a)	.	--
4000	4.71	344.	20.	4512	0.06	181.	20.	5402	4.52	458.	50.	6704M	(a)	.	--
4021	2.40	243.	--	4557	1.50	212.	--	5403	6.74	500.	50.	6801F	4.66	322.	--
4024	2.80	257.	--	4558	1.46	210.	--	5437	2.79	307.	50.	6811	4.02	320.	20.
4034	5.49	351.	--	4583	2.11	233.	--	5443	2.36	292.	50.	6824F	5.90	457.	--
4036	1.39	208.	--	4611	0.62	181.	--	5445	4.71	465.	50.	6826F	3.73	290.	--
4038	1.83	223.	--	4635	3.73	290.	--	5462	4.78	467.	50.	6834	1.88	245.	20.
4053	2.26	238.	--	4653	1.62	216.	--	5472	6.63	500.	50.	6836	2.29	259.	20.
4062	1.70	219.	--	4665	7.93	500.	--	5473	8.62	500.	50.	6843F	11.31	500.	--
4112	0.25	168.	--	4692	0.40	173.	--	5474	3.66	337.	50.	6854	9.75	500.	20.
4113	2.26	238.	--	4693	0.61	180.	--	5478	3.42	329.	50.	6872F	10.48	500.	--
4114	2.55	248.	--	4720	1.38	207.	--	5479	4.23	357.	50.	6874F	13.83	500.	--
4130	3.02	265.	--	4740	0.58	179.	--	5480	3.50	332.	50.	6882	9.03	500.	20.
4133	1.46	210.	--	4741	2.17	235.	--	5506	4.20	356.	50.	6884	11.92	500.	20.

c For Non-Ratable portion of Rate, refer to class code 0771.

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Page RA-3

RATES

CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST	CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST	CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST	CLASS CODE	MIN RATE	LOSS PREM	LOSS CONST
7016M	1.88	.	--	7502	1.61	235.	20.	8232	3.67	307.	20.	8829	2.03	250.	20.
7024M	2.35	.	--	7515	2.31	260.	20.	8233	4.30	330.	20.	8831	0.75	205.	20.
7038M	3.55	.	--	7520	2.55	268.	20.	8235	3.25	293.	20.	8832	0.21	186.	20.
7046M	5.06	.	--	7538	3.47	330.	50.	8263	3.74	310.	20.	8833	0.90	211.	20.
7047M	2.95	.	--	7539	1.13	219.	20.	8264	3.58	304.	20.	8835	1.31	225.	20.
7050M	5.57	.	--	7580	2.49	266.	20.	8265	4.30	330.	20.	8837	(a)	(a)	(a)
7090M	4.44	.	--	7590	4.57	339.	20.	8279	2.88	280.	20.	8868	0.60	200.	20.
7098M	5.95	.	--	7600	3.55	303.	20.	8291	3.24	292.	20.	8901	0.04	180.	20.
7099M	7.46	.	--	7601	3.20	321.	50.	8292	2.70	274.	20.	9014	1.65	237.	20.
7133	(a)	(a)	(a)	7610	0.30	190.	20.	8293	5.17	451.	20.	9015	2.27	258.	20.
7151M	8.26	.	--	7704	3.16	290.	20.	8350	5.46	461.	20.	9016	1.14	219.	20.
7152M	12.95	.	--	7720	1.28	224.	20.	8380	1.92	246.	20.	9019	2.32	260.	20.
7153M	10.33	.	--	7855	3.15	319.	50.	8381	1.01	214.	20.	9033	2.01	249.	20.
7219	5.93	478.	20.	8001	1.39	228.	20.	8385	2.92	281.	20.	9040	2.26	258.	20.
7230	7.39	500.	20.	8002	1.46	230.	20.	8392	1.20	221.	20.	9044	1.08	217.	20.
7231	9.06	500.	20.	8006	0.80	207.	20.	8393	1.02	215.	20.	9052	1.20	221.	20.
7309F	10.42	500.	--	8008	0.58	199.	20.	8500	4.30	330.	20.	9058	1.18	220.	20.
7313F	14.35	500.	--	8010	1.14	219.	20.	8601	0.16	185.	20.	9060	0.78	206.	20.
7317F	11.96	500.	--	8013	0.26	188.	20.	8709F	4.01	299.	--	9061	0.73	205.	20.
7327F	17.64	500.	--	8017	0.79	207.	20.	8710	1.86	244.	20.	9062	0.73	205.	20.
7333M	7.53	.	--	8018	2.97	283.	20.	8719	1.86	244.	20.	9063	0.46	195.	20.
7335M	8.85	.	--	8021	2.72	274.	20.	8720	0.64	201.	20.	9077F	6.13	465.	--
7337M	11.10	.	--	8031	1.24	222.	20.	8721	0.14	184.	20.	9079	0.73	205.	20.
7350F	14.45	500.	--	8032	1.01	214.	20.	8726F	3.77	291.	--	9089	0.49	196.	20.
7360	3.68	308.	20.	8033	1.13	219.	20.	8734M	0.44	.	--	9093	0.72	204.	20.
7370	3.66	307.	20.	8034	2.18	255.	20.	8737M	0.35	.	--	9101	3.01	284.	20.
7380	5.31	456.	20.	8039	1.26	223.	20.	8738M	0.55	.	--	9102	1.96	248.	20.
7382	2.91	281.	20.	8044	2.12	253.	20.	8742	0.08	182.	20.	9154	1.47	230.	20.
7394M	9.68	.	--	8046	1.93	247.	20.	8745	4.06	321.	20.	9156	1.43	229.	20.
7395M	12.37	.	--	8048	1.85	244.	20.	8747	0.58	199.	20.	9178	9.98	500.	20.
7398M	15.51	.	--	8058	1.85	244.	20.	8748	0.43	194.	20.	9179	36.44	500.	20.
7403	2.58	269.	20.	8103	2.24	257.	20.	8800	0.74	205.	20.	9180	3.36	297.	20.
7405d	0.82	217.	20.	8105	7.18	500.	20.	8803	0.03	180.	20.	9182	2.16	255.	20.
7420	8.32	500.	20.	8106	3.51	302.	20.	8805M	0.18	.	--	9186	3.36	297.	20.
7421	0.85	209.	20.	8107	1.90	246.	20.	8810	0.04	180.	20.	9220	2.86	279.	20.
7422	0.85	209.	20.	8111	2.13	254.	20.	8814M	0.14	.	--	9402	3.33	296.	20.
7425	2.33	261.	20.	8203	3.92	316.	20.	8815M	0.23	.	--	9403	9.38	500.	20.
7431e	0.64	209.	20.	8204	3.71	309.	20.	8820	0.04	180.	20.	9410	2.83	278.	20.
7445f	0.27	.	.	8215	2.32	260.	20.	8824	1.66	237.	20.	9501	1.62	216.	--
7453g	0.21	.	.	8227	4.77	467.	50.	8826	1.22	222.	20.	9505	1.62	216.	--

For Non-Ratable portion of Rate, refer to:

d 7445

e 7453

Non-Ratable Code and Rate to be used with:

f 7405

g 7431

MISCELLANEOUS VALUES

Basis of Premium applicable in accordance with the footnote instructions for Code 7370 - "Taxicab Co.":

Employee operated vehicles	\$137,700.00‡
Leased or rented vehicles.....	\$91,800.00‡

Basis of Premium for Sole Proprietors and Partners of Legal Partnerships, Members of Limited

Liability Companies or Partners of Limited Liability Partnerships in accordance with Rule IX-B-3-a	\$64,300.00‡
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Payroll Limitations:

For Executive Officers - in accordance with Rule IX-A-3-a and b

Minimum individual payroll for an executive officer per week.....	\$280.00‡
Maximum individual payroll for an executive officer per week.....	\$1,410.00‡

For Spouses of Individuals, Co-Partners or Corporate Officers - in accordance with Rule IX-A-4

Minimum individual payroll for of a spouse per week.....	\$280.00‡
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For Elected or Appointed Officers of a City or Town- in accordance with Rule IX-A-5

Minimum individual payroll for an elected or appointed officer per week.....	\$280.00‡
Maximum individual payroll for an elected or appointed officer per week.....	\$1,410.00‡

Applicable with the footnote instructions detailing the maximum average weekly wage per employee for the following three classification codes:

Code 9186 - Amusement Device Operator, Carnival Or Circus Traveling – All Employees & Drivers.....	\$420.00‡
Code 9179 - Athletic Sports Or Park: Contact Sports.....	\$420.00‡
Code 9178 - Athletic Sports Or Park: Non-Contact Sports.....	\$420.00‡

Terrorism Insurance Program—Certified Loss: 0.03

BENEFITS DEDUCTIBLE COVERAGE PROGRAM

<u>Medical and Indemnity Deductible Amount</u>	<u>Premium Reduction Percentage</u>
\$ 500	1.5%
\$1,000	2.5%
\$2,000	3.8%
\$2,500	4.4%
\$5,000	6.7%

BENEFITS CLAIM AND AGGREGATE DEDUCTIBLE PROGRAM

<u>Basis for the Aggregate Limit</u>	<u>Claim Deductible Amount</u>	<u>Aggregate Deductible Amount</u>	<u>Premium Reduction Percentage</u>
0 to \$75,000	\$2,500	\$10,000	4.3%
\$75,001 to \$100,000	\$2,500	\$10,000	4.2%
\$100,001 to \$125,000	\$2,500	\$10,000	4.1%
\$125,001 to \$150,000	\$2,500	\$10,000	4.0%
\$150,001 to \$200,000	\$2,500	\$10,000	3.8%
over \$200,000	\$2,500	5% of Basis for the Aggregate Limit	3.5%

Expense Constant applicable in accordance with MA Manual Rule VI-E-2:

Policies which develop earned Standard Premium of less than \$200	\$159.00
Policies which develop earned Standard Premium of at least \$200 and less than \$1,000.....	\$250.00
Policies which develop earned Standard Premium of \$1,000 or more	\$338.00

The expense constant for private residence per capita classifications is \$64, up to a maximum of 4.

‡Effective October 1, 2022

Premium Discount Percentages—(See MA Manual Rule VII). The following premium discounts are applicable to Standard Premiums. Note: Premium Discount is not applicable to Assigned Risk policies.

		<u>Type A Discount</u>	<u>Type B Discount</u>
First	\$ 10,000	0.0%	0.0%
Next	190,000	9.1%	5.1%
Next	1,550,000	11.3%	6.5%
Over	1,750,000	12.3%	7.5%

United States Longshore and Harbor Workers' Compensation Coverage Percentage applicable only in connection with Rule XII-D-3-b "U.S. Longshore and Harbor Workers' Compensation Act" of the MA Manual..... **16.0%**
(Multiply an eligible Non-F classification rate by a factor of **1.160**)

EXPERIENCE RATING ELIGIBILITY

A risk is eligible for intrastate experience rating when the payrolls or other exposures developed in the last year or last two years of the experience period produced a subject premium of at least \$11,000. If more than two years, an average annual premium of at least \$5,500 is required. The Experience Rating Plan Manual should be referenced for the latest eligibility amounts by state.

TABLE OF EXPECTED LOSS RATES AND DISCOUNT RATIOS

CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO
0005	1.08	.19	2115	2.30	.17	3041	1.10	.17	3634	0.76	.17	4439	2.15	.18
0008	0.96	.18	2121	0.58	.18	3042	1.34	.17	3635	0.85	.19	4452	1.26	.17
0016	1.37	.18	2130	0.65	.17	3066	0.98	.18	3638	0.70	.17	4459	1.06	.17
0034	1.09	.18	2131	1.29	.18	3076	1.14	.17	3642	0.51	.17	4470	0.76	.17
0035	0.70	.17	2143	0.88	.17	3081D	1.63	.17	3643	0.75	.17	4484	0.92	.17
0036	1.09	.18	2150	1.53	.18	3082D	1.63	.17	3647	0.89	.17	4493	0.86	.17
0042	1.40	.18	2156	1.34	.18	3085D	1.66	.18	3648	0.45	.17	4511	0.12	.17
0046	1.19	.19	2157	1.73	.16	3110	2.94	.17	3681	0.25	.17	4512	0.03	.17
0050	1.97	.18	2172	0.69	.17	3111	0.97	.17	3685	0.21	.17	4557	0.84	.16
0059D	.	.	2211	2.19	.17	3113	0.71	.17	3724	1.65	.17	4558	0.78	.18
0065D	.	.	2220	1.24	.18	3114	1.07	.18	3726	1.76	.16	4583	1.06	.17
0066D	.	.	2260	1.99	.17	3118	0.59	.17	3807	0.95	.18	4611	0.35	.17
0067D	.	.	2288	1.68	.17	3119	0.44	.17	3808	1.28	.17	4635	1.84	.19
0079	1.07	.17	2305	0.98	.17	3120	0.54	.16	3821	2.01	.18	4653	0.91	.17
0083	1.38	.18	2362	0.90	.18	3122	0.91	.17	3826	1.47	.18	4665	4.10	.18
0106	3.54	.18	2380	0.69	.18	3127	0.66	.17	3830	0.65	.17	4692	0.22	.17
0113	1.09	.18	2402	0.86	.18	3131	0.57	.18	3841	0.76	.17	4693	0.33	.17
0170	1.09	.18	2413	1.16	.17	3132	0.85	.18	4000	2.36	.17	4720	0.74	.18
0771	.	.	2416	1.14	.18	3145	0.58	.17	4021	1.24	.17	4740	0.30	.17
0908	38.30	.17	2417	0.66	.16	3146	0.82	.17	4024	1.44	.17	4741	1.16	.17
0909	98.78	.19	2501	0.92	.17	3169	0.91	.18	4034	2.83	.18	4771	1.47	.17
0912	197.56	.19	2503	0.45	.17	3179	0.47	.17	4036	0.72	.17	4777	1.04	.17
0913	76.60	.17	2570	1.41	.17	3180	1.02	.17	4038	1.07	.16	4825	0.15	.17
0917	0.99	.17	2576	0.88	.17	3188	0.89	.17	4053	1.21	.16	4828	0.41	.17
0918	0.18	.16	2585	1.30	.17	3200	0.95	.17	4062	0.91	.17	4829	0.39	.17
1430	1.55	.17	2586	0.92	.18	3220	0.92	.17	4112	0.13	.18	4902	0.67	.17
1438	1.36	.17	2587	0.91	.17	3223	(a)	(a)	4113	1.21	.16	4923	0.25	.17
1463	4.68	.19	2623	1.72	.18	3255	0.91	.17	4114	1.36	.17	5020	1.78	.16
1624D	1.75	.17	2651	0.57	.17	3257	1.02	.18	4130	1.62	.17	5022	3.41	.17
1655	1.13	.17	2660	0.83	.17	3270	0.74	.17	4133	0.82	.17	5037	4.58	.17
1701	1.09	.16	2683	0.89	.18	3300	1.44	.18	4150	0.32	.16	5040	8.64	.16
1710D	1.81	.17	2688	0.88	.18	3305	(a)	(a)	4239	1.10	.17	5057	6.92	.18
1747	0.90	.17	2702	6.12	.19	3315	1.29	.17	4243	1.08	.17	5059	9.76	.18
1748	1.47	.18	2710	2.35	.17	3336	0.95	.17	4244	1.31	.18	5102	2.48	.16
1853	0.51	.16	2731	1.18	.18	3365	1.76	.18	4250	0.95	.17	5146	2.59	.16
1924	1.17	.17	2747	2.45	.17	3372	0.90	.17	4251	1.10	.16	5160	1.29	.16
1925	2.39	.22	2790	0.95	.17	3373	1.55	.17	4273	1.20	.17	5183	1.33	.17
2003	1.43	.17	2802	1.44	.18	3381	0.71	.17	4279	1.04	.17	5188	1.47	.16
2014	1.54	.17	2835	0.89	.17	3383	0.58	.17	4283	0.79	.16	5190	0.91	.17
2021	1.16	.17	2836	1.15	.16	3385	0.39	.18	4299	0.75	.17	5191	0.29	.18
2039	1.88	.17	2841	1.36	.18	3400	0.89	.18	4304	2.19	.18	5192	1.16	.17
2041	1.04	.17	2883	1.24	.17	3507	1.12	.17	4307	0.63	.18	5213	3.36	.17
2070	1.45	.16	2923	0.52	.17	3515	1.01	.17	4308	0.91	.14	5215	2.06	.17
2081	1.33	.18	2942	0.70	.17	3558	0.29	.19	4351	0.40	.17	5221	2.67	.17
2089	1.10	.17	3018	0.97	.17	3571	0.26	.17	4352	0.44	.17	5222	3.28	.16
2095	1.23	.17	3022	1.47	.18	3574	0.70	.17	4360	0.26	.17	5223	1.45	.17
2101	1.15	.17	3027	1.20	.18	3612	0.55	.17	4361	0.24	.18	5348	1.72	.16
2105	(a)	(a)	3028	1.25	.17	3620	1.27	.17	4362	0.19	.17	5402	2.43	.16
2111	0.96	.18	3030	2.01	.18	3629	0.70	.17	4410	1.15	.18	5403	3.25	.17
2114	1.15	.17	3040	2.34	.17	3632	0.65	.17	4432	0.37	.17	5437	1.39	.17

(a) Expected Loss Rates and Discount Ratios for each individual risk must be obtained by Home Office from the MA Bureau.

D Supplement Disease Loading.

TABLE OF EXPECTED LOSS RATES AND DISCOUNT RATIOS

CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO
5443	1.22	.17	7016M	1.12	.79	7704	1.58	.18	8719	0.92	.17	9179	20.35	.21
5445	2.27	.16	7024M	1.40	.79	7720	0.66	.17	8720	0.33	.17	9180	1.74	.19
5462	2.38	.17	7038M	2.12	.76	7855	1.57	.17	8721	0.07	.17	9182	1.16	.19
5472	3.16	.16	7046M	3.02	.58	8001	0.78	.18	8726F	1.81	.18	9186	1.68	.19
5473	4.11	.17	7047M	1.76	.69	8002	0.78	.19	8734M	0.21	.54	9220	1.49	.17
5474	1.76	.17	7050M	3.32	.67	8006	0.43	.17	8737M	0.17	.54	9402	1.72	.17
5478	1.70	.16	7090M	2.65	.76	8008	0.32	.17	8738M	0.26	.53	9403	4.70	.17
5479	2.12	.17	7098M	3.55	.58	8010	0.64	.18	8742	0.04	.18	9410	1.51	.18
5480	1.69	.16	7099M	4.45	.51	8013	0.14	.19	8745	2.11	.18	9501	0.85	.17
5506	2.00	.17	7133	(a)	(a)	8017	0.44	.17	8747	0.32	.16	9505	0.85	.17
5507	1.84	.17	7151M	3.96	.52	8018	1.66	.17	8748	0.22	.17	9519	0.98	.16
5508D	1.90	.18	7152M	6.22	.52	8021	1.46	.17	8800	0.43	.17	9521	1.46	.17
5509	2.33	.18	7153M	4.96	.52	8031	0.67	.18	8803	0.02	.17	9522	0.75	.16
5538	1.54	.17	7219	2.97	.17	8032	0.57	.17	8805M	0.09	.60	9533	7.10	.16
5545	18.26	.18	7230	3.85	.17	8033	0.60	.18	8810	0.02	.18	9534	2.22	.17
5547	4.08	.18	7231	4.71	.17	8034	1.17	.16	8814M	0.07	.60	9549	1.52	.16
5606	0.47	.17	7309F	4.77	.18	8039	0.71	.18	8815M	0.11	.59	9552	2.23	.17
5610	2.30	.16	7313F	6.57	.16	8044	1.10	.18	8820	0.02	.17	9586	0.14	.17
5645	2.59	.18	7317F	5.47	.17	8046	1.03	.19	8824	0.89	.17	9620	0.31	.18
5701	6.01	.17	7327F	8.07	.17	8048	1.03	.17	8826	0.68	.17			
5703	3.51	.17	7333M	4.51	.70	8058	0.99	.18	8829	1.09	.16			
5705	4.10	.17	7335M	5.30	.70	8103	1.16	.17	8831	0.40	.21			
6003	2.48	.16	7337M	6.65	.61	8105	4.01	.16	8832	0.11	.17			
6005	1.90	.18	7350F	6.69	.16	8106	1.82	.18	8833	0.48	.17			
6204	2.26	.16	7360	1.90	.17	8107	0.98	.17	8835	0.70	.16			
6217	1.70	.17	7370	1.96	.17	8111	1.14	.18	8837	(a)	(a)			
6229	1.71	.17	7380	2.77	.17	8203	2.10	.17	8868	0.33	.18			
6233	0.77	.16	7382	1.56	.17	8204	1.92	.17	8901	0.02	.18			
6251D	1.64	.16	7394M	5.80	.84	8215	1.20	.18	9014	0.85	.17			
6252D	1.73	.17	7395M	7.41	.84	8227	2.27	.18	9015	1.21	.17			
6306	3.60	.16	7398M	9.29	.74	8232	1.90	.17	9016	0.61	.19			
6319	0.96	.17	7403	1.33	.17	8233	2.22	.18	9019	1.20	.17			
6325	1.06	.17	7405	0.56	.17	8235	1.74	.18	9033	1.08	.17			
6400	1.86	.18	7420	4.11	.19	8263	1.94	.17	9040	1.26	.17			
6504	1.15	.17	7421	0.42	.15	8264	1.85	.17	9044	0.60	.17			
6702M	(a)	(a)	7422	0.42	.15	8265	2.15	.18	9052	0.67	.17			
6703M	(a)	(a)	7425	1.15	.17	8279	1.44	.19	9058	0.69	.17			
6704M	(a)	(a)	7431	0.42	.15	8291	1.69	.18	9060	0.44	.18			
6801F	2.24	.17	7445	.	.	8292	1.44	.17	9061	0.43	.17			
6811	2.01	.17	7453	.	.	8293	2.67	.18	9062	0.43	.17			
6824F	2.73	.19	7502	0.83	.16	8350	2.73	.17	9063	0.26	.19			
6826F	1.79	.17	7515	1.14	.20	8380	1.00	.17	9077F	3.05	.21			
6834	0.98	.18	7520	1.37	.17	8381	0.53	.17	9079	0.42	.18			
6836	1.18	.18	7538	1.65	.17	8385	1.51	.17	9089	0.27	.18			
6843F	5.18	.17	7539	0.56	.17	8392	0.64	.18	9093	0.40	.18			
6854	4.66	.17	7580	1.29	.17	8393	0.55	.17	9101	1.68	.17			
6872F	4.80	.19	7590	2.38	.19	8500	2.22	.18	9102	1.05	.18			
6874F	6.33	.17	7600	1.83	.16	8601	0.09	.17	9154	0.79	.18			
6882	4.32	.19	7601	1.54	.17	8709F	1.83	.18	9156	0.75	.18			
6884	5.69	.17	7610	0.16	.16	8710	0.96	.17	9178	5.82	.23			

(a) Expected Loss Rates and Discount Ratios for each individual risk must be obtained by Home Office from the MA Bureau
 D Supplement Disease Loading.

F Expected Loss Rates and Discount Ratios for risks covered under the United States Longshore and Harbor Workers' Compensation Act.

M Expected Loss Rates and Discount Ratios for risks subject to Admiralty Law or Federal Employers Liability Act (FELA).

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Effective July 1, 2022

TABLE OF WEIGHTING VALUES

Expected Losses	Weighting Values	Expected Losses	Weighting Values	Expected Losses	Weighting Values
0 - 2,931	0.04	829,408 - 894,882	0.24	3,418,995 - 3,696,438	0.44
2,932 - 11,851	0.05	894,883 - 963,836	0.25	3,696,439 - 4,005,844	0.45
11,852 - 20,962	0.06	963,837 - 1,036,559	0.26	4,005,845 - 4,353,074	0.46
20,963 - 86,018	0.07	1,036,560 - 1,113,376	0.27	4,353,075 - 4,745,517	0.47
86,019 - 125,216	0.08	1,113,377 - 1,194,645	0.28	4,745,518 - 5,192,622	0.48
125,217 - 162,596	0.09	1,194,646 - 1,280,770	0.29	5,192,623 - 5,706,665	0.49
162,597 - 200,061	0.10	1,280,771 - 1,372,202	0.30	5,706,666 - 6,303,899	0.50
200,062 - 238,261	0.11	1,372,203 - 1,469,451	0.31	6,303,900 - 7,006,299	0.51
238,262 - 277,532	0.12	1,469,452 - 1,573,094	0.32	7,006,300 - 7,844,326	0.52
277,533 - 318,093	0.13	1,573,095 - 1,683,786	0.33	7,844,327 - 8,861,466	0.53
318,094 - 360,117	0.14	1,683,787 - 1,802,272	0.34	8,861,467 - 10,122,016	0.54
360,118 - 403,757	0.15	1,802,273 - 1,929,410	0.35	10,122,017 - 11,725,231	0.55
403,758 - 449,157	0.16	1,929,411 - 2,066,185	0.36	11,725,232 - 13,832,817	0.56
449,158 - 496,463	0.17	2,066,186 - 2,213,738	0.37	13,832,818 - 16,727,225	0.57
496,464 - 545,823	0.18	2,213,739 - 2,373,398	0.38	16,727,226 - 20,950,201	0.58
545,824 - 597,396	0.19	2,373,399 - 2,546,720	0.39	20,950,202 - 27,688,977	0.59
597,397 - 651,350	0.20	2,546,721 - 2,735,538	0.40	27,688,978 - 40,145,480	0.60
651,351 - 707,868	0.21	2,735,539 - 2,942,030	0.41	40,145,481 - 70,958,899	0.61
707,869 - 767,148	0.22	2,942,031 - 3,168,801	0.42	70,958,900 - 274,327,342	0.62
767,149 - 829,407	0.23	3,168,802 - 3,418,994	0.43	274,327,343 - 999,999,999	0.63

- (a) G 14
- (b) State Per Claim Accident Limitation \$350,000
- (c) State Multiple Claim Accident Limitation \$700,000
- (d) U.S. Longshore and Harbor Workers' Act Per Claim Accident Limitation \$130,000
- (e) U.S. Longshore and Harbor Workers' Act Multiple Claim Accident Limitation \$260,000
- (f) Employers Liability Accident Limitation \$55,000
- (g) Primary/Excess Loss Split Point \$7,500
- (h) USL&HW Act—Expected Loss Factor—Non-F Classes **1.112 †**
(Multiply a Non-F classification ELR by the USL&HW Act – Expected Loss Factor of 1.112)
- (i) Cap on Modifications = 1 + (0.00005) [(Expected Losses) + (2) (Expected Losses) / (14)]

† The USL&H Act-Expected Loss Factor-Non-F Classes updated to reflect July 1, 2023 rate revision.

Effective July 1, 2023

1. **Hazard Group Differentials**

A	B	C	D	E	F	G
1.74	1.48	1.27	1.08	0.89	0.70	0.56

2. **Tax Multipliers**

a. State (non-F Classes)	1.043*
b. Federal Classes, or non-F classes where rate is increased by the USL&HW Act Percentage	1.084*

* Includes 1.56% residual market subsidy provision and 0% insolvency fund assessment provision

3. **Expected Loss Ratio**

0.652

Expected Loss and Allocated Loss Adjustment Expense Ratio (ALAE Option)

0.707

4. **Loss Conversion Factor**

1.183

Loss Conversion Factor for Allocated Loss Adjustment Expense Option (ALAE Option)

1.090

5. **Table of Expense Ratios Excluding Taxes and Including Profit and Contingencies**

Type A Company

Massachusetts
Effective July 1, 2023

Type B Company

Massachusetts
Effective July 1, 2023

Table of Expense Ratios Excluding Allocated Loss Adjustment Expense and Taxes and Including Profit and Contingencies

Type A Company

Massachusetts
Effective July 1, 2023

Type B Company

Massachusetts
Effective July 1, 2023

6. **2013—Table of Expected Loss Ranges**

April 1, 2014

7a.

Excess Loss Factors

(Applicable to New and Renewal Policies)

Per Accident Limitation	Hazard Groups						
	A	B	C	D	E	F	G
\$25,000	0.428	0.453	0.477	0.498	0.518	0.547	0.577
30,000	0.411	0.437	0.462	0.484	0.504	0.535	0.568
35,000	0.395	0.422	0.447	0.471	0.492	0.523	0.560
40,000	0.381	0.408	0.435	0.459	0.481	0.513	0.552
50,000	0.355	0.384	0.412	0.439	0.461	0.494	0.538
75,000	0.306	0.335	0.365	0.397	0.420	0.455	0.508
100,000	0.268	0.297	0.328	0.363	0.387	0.422	0.482
125,000	0.238	0.266	0.298	0.335	0.359	0.393	0.458
150,000	0.214	0.240	0.272	0.310	0.333	0.367	0.436
175,000	0.193	0.217	0.249	0.287	0.310	0.343	0.416
200,000	0.176	0.198	0.229	0.267	0.290	0.322	0.397
250,000	0.147	0.167	0.196	0.233	0.254	0.285	0.363
300,000	0.125	0.143	0.170	0.206	0.226	0.254	0.333
500,000	0.076	0.087	0.107	0.136	0.151	0.173	0.246
1,000,000	0.036	0.041	0.052	0.069	0.077	0.090	0.141
2,000,000	0.016	0.019	0.024	0.032	0.037	0.043	0.072
3,000,000	0.010	0.011	0.015	0.020	0.023	0.027	0.047
4,000,000	0.007	0.008	0.010	0.014	0.016	0.019	0.034
5,000,000	0.005	0.006	0.008	0.011	0.012	0.015	0.026

7b. **ALAE Option Excess Loss and Allocated Loss Adjustment Expense Factors**
(Applicable to New and Renewal Policies)

Per Accident Limitation	Hazard Groups						
	A	B	C	D	E	F	G
\$25,000	0.473	0.500	0.525	0.546	0.568	0.598	0.629
30,000	0.454	0.482	0.509	0.532	0.554	0.586	0.620
35,000	0.437	0.466	0.494	0.518	0.541	0.574	0.612
40,000	0.422	0.452	0.480	0.506	0.529	0.563	0.604
50,000	0.396	0.426	0.456	0.484	0.508	0.544	0.589
75,000	0.343	0.375	0.407	0.440	0.465	0.503	0.558
100,000	0.302	0.334	0.368	0.405	0.430	0.468	0.531
125,000	0.270	0.301	0.335	0.374	0.401	0.438	0.506
150,000	0.244	0.273	0.307	0.348	0.374	0.411	0.484
175,000	0.221	0.249	0.283	0.324	0.350	0.386	0.463
200,000	0.202	0.227	0.262	0.303	0.328	0.363	0.443
250,000	0.170	0.193	0.225	0.267	0.290	0.324	0.407
300,000	0.146	0.166	0.197	0.237	0.258	0.290	0.375
500,000	0.089	0.102	0.126	0.158	0.175	0.200	0.282
1,000,000	0.042	0.049	0.062	0.081	0.091	0.106	0.164
2,000,000	0.019	0.022	0.029	0.039	0.044	0.051	0.085
3,000,000	0.012	0.014	0.018	0.024	0.027	0.033	0.055
4,000,000	0.008	0.010	0.012	0.017	0.019	0.023	0.040
5,000,000	0.006	0.007	0.009	0.013	0.015	0.018	0.031

8. **Retrospective Development Factors**

With Loss Limit				Without Loss Limit			
1st	2nd	3rd	4th & Subsequent	1st	2nd	3rd	4th & Subsequent
<u>Adj.</u>	<u>Adj.</u>	<u>Adj.</u>	<u>Adj.</u>	<u>Adj.</u>	<u>Adj.</u>	<u>Adj.</u>	<u>Adj.</u>
0.11	0.07	0.05	0.00	0.14	0.09	0.06	0.00

9. **State Special Classifications by Hazard Group**

All Massachusetts Hazard Group assignments can be found in Appendix G of the 2008 Edition of the Massachusetts Workers' Compensation & Employers Liability Insurance Manual.

TABLE OF EXPENSE RATIOS—EXCLUDING TAXES AND INCLUDING PROFIT AND CONTINGENCIES - TYPE A COMPANY - MASSACHUSETTS *Effective 01 July 2023*

Standard Premium			Standard Premium			Standard Premium		
From	To	Expense Ratio	From	To	Expense Ratio	From	To	Expense Ratio
0	10,058	0.307	18,274	18,663	0.267	112,604	129,289	0.227
10,059	10,175	0.306	18,664	19,071	0.266	129,290	151,781	0.226
10,176	10,295	0.305	19,072	19,498	0.265	151,782	183,746	0.225
10,296	10,418	0.304	19,499	19,943	0.264	183,747	204,944	0.224
10,419	10,544	0.303	19,944	20,410	0.263	204,945	213,540	0.223
10,545	10,673	0.302	20,411	20,899	0.262	213,541	222,889	0.222
10,674	10,805	0.301	20,900	21,412	0.261	222,890	233,094	0.221
10,806	10,940	0.300	21,413	21,950	0.260	233,095	244,278	0.220
10,941	11,079	0.299	21,951	22,517	0.259	244,279	256,590	0.219
11,080	11,222	0.298	22,518	23,113	0.258	256,591	270,208	0.218
11,223	11,368	0.297	23,114	23,742	0.257	270,209	285,353	0.217
11,369	11,518	0.296	23,743	24,406	0.256	285,354	302,297	0.216
11,519	11,672	0.295	24,407	25,109	0.255	302,298	321,380	0.215
11,673	11,831	0.294	25,110	25,853	0.254	321,381	343,034	0.214
11,832	11,993	0.293	25,854	26,642	0.253	343,035	367,818	0.213
11,994	12,160	0.292	26,643	27,481	0.252	367,819	396,461	0.212
12,161	12,332	0.291	27,482	28,375	0.251	396,462	429,942	0.211
12,333	12,509	0.290	28,376	29,329	0.250	429,943	469,600	0.210
12,510	12,691	0.289	29,330	30,349	0.249	469,601	517,317	0.209
12,692	12,878	0.288	30,350	31,443	0.248	517,318	575,828	0.208
12,879	13,071	0.287	31,444	32,618	0.247	575,829	649,263	0.207
13,072	13,270	0.286	32,619	33,885	0.246	649,264	744,166	0.206
13,271	13,475	0.285	33,886	35,254	0.245	744,167	871,563	0.205
13,476	13,686	0.284	35,255	36,739	0.244	871,564	1,051,589	0.204
13,687	13,904	0.283	36,740	38,354	0.243	1,051,590	1,325,346	0.203
13,905	14,130	0.282	38,355	40,117	0.242	1,325,347	1,759,556	0.202
14,131	14,362	0.281	40,118	42,051	0.241	1,759,557	1,913,510	0.201
14,363	14,603	0.280	42,052	44,180	0.240	1,913,511	2,096,989	0.200
14,604	14,851	0.279	44,181	46,537	0.239	2,096,990	2,319,386	0.199
14,852	15,108	0.278	46,538	49,159	0.238	2,319,387	2,594,552	0.198
15,109	15,375	0.277	49,160	52,094	0.237	2,594,553	2,943,796	0.197
15,376	15,650	0.276	52,095	55,402	0.236	2,943,797	3,401,685	0.196
15,651	15,936	0.275	55,403	59,158	0.235	3,401,686	4,028,256	0.195
15,937	16,233	0.274	59,159	63,461	0.234	4,028,257	4,937,764	0.194
16,234	16,540	0.273	63,462	68,439	0.233	4,937,765	6,377,744	0.193
16,541	16,860	0.272	68,440	74,264	0.232	6,377,745	9,003,355	0.192
16,861	17,192	0.271	74,265	81,174	0.231	9,003,356	15,303,589	0.191
17,193	17,538	0.270	81,175	89,501	0.230	15,303,590	50,972,067	0.190
17,539	17,898	0.269	89,502	99,731	0.229	50,972,068	OVER	0.189
17,899	18,273	0.268	99,732	112,603	0.228			

Note: Above table based on the following discounts:

Standard Premium	Discount
First 10,000	0.0%
Next 190,000	9.1%
Next 1,550,000	11.3%
Over 1,750,000	12.3%

TABLE OF EXPENSE RATIOS—EXCLUDING TAXES AND INCLUDING PROFIT AND CONTINGENCIES - TYPE B COMPANY - MASSACHUSETTS *Effective 01 July 2023*

Standard Premium	Expense Ratio	Standard Premium	Expense Ratio	Standard Premium	Expense Ratio
0 - 10,103	0.307	20,043 - 20,899	0.282	247,542 - 268,484	0.257
10,104 - 10,316	0.306	20,900 - 21,832	0.281	268,485 - 293,297	0.256
10,317 - 10,539	0.305	21,833 - 22,852	0.280	293,298 - 323,163	0.255
10,540 - 10,771	0.304	22,853 - 23,972	0.279	323,164 - 359,802	0.254
10,772 - 11,014	0.303	23,973 - 25,208	0.278	359,803 - 405,811	0.253
11,015 - 11,267	0.302	25,209 - 26,578	0.277	405,812 - 465,312	0.252
11,268 - 11,533	0.301	26,579 - 28,106	0.276	465,313 - 545,260	0.251
11,534 - 11,812	0.300	28,107 - 29,820	0.275	545,261 - 658,379	0.250
11,813 - 12,104	0.299	29,821 - 31,757	0.274	658,380 - 830,719	0.249
12,105 - 12,411	0.298	31,758 - 33,963	0.273	830,720 - 1,125,276	0.248
12,412 - 12,735	0.297	33,964 - 36,498	0.272	1,125,277 - 1,743,482	0.247
12,736 - 13,075	0.296	36,499 - 39,442	0.271	1,743,483 - 1,917,001	0.246
13,076 - 13,434	0.295	39,443 - 42,902	0.270	1,917,002 - 2,120,764	0.245
13,435 - 13,814	0.294	42,903 - 47,028	0.269	2,120,765 - 2,372,997	0.244
13,815 - 14,215	0.293	47,029 - 52,033	0.268	2,372,998 - 2,693,328	0.243
14,216 - 14,641	0.292	52,034 - 58,229	0.267	2,693,329 - 3,113,638	0.242
14,642 - 15,093	0.291	58,230 - 66,101	0.266	3,113,639 - 3,689,389	0.241
15,094 - 15,574	0.290	66,102 - 76,433	0.265	3,689,390 - 4,526,373	0.240
15,575 - 16,086	0.289	76,434 - 90,594	0.264	4,526,374 - 5,854,551	0.239
16,087 - 16,633	0.288	90,595 - 111,196	0.263	5,854,552 - 8,285,885	0.238
16,634 - 17,219	0.287	111,197 - 143,925	0.262	8,285,886 - 14,170,923	0.237
17,220 - 17,847	0.286	143,926 - 200,600	0.261	14,170,924 - 48,907,168	0.236
17,848 - 18,524	0.285	200,601 - 214,136	0.260	48,907,169 - OVER	0.235
18,525 - 19,253	0.284	214,137 - 229,630	0.259		
19,254 - 20,042	0.283	229,631 - 247,541	0.258		

Note: Above table based on the following discounts:

Standard Premium	Discount
First 10,000	0.0%
Next 190,000	5.1%
Next 1,550,000	6.5%
Over 1,750,000	7.5%

Retrospective Rating Plan Manual - 2009 Edition

TABLE OF EXPENSE RATIOS—EXCLUDING ALLOCATED LOSS ADJUSTMENT EXPENSE AND TAXES AND INCLUDING PROFIT AND CONTINGENCIES - TYPE A COMPANY - MASSACHUSETTS

Effective 01 July 2023

Standard Premium	Expense Ratio	Standard Premium	Expense Ratio	Standard Premium	Expense Ratio
0 - 10,058	0.252	18,274 - 18,663	0.212	112,604 - 129,289	0.172
10,059 - 10,175	0.251	18,664 - 19,071	0.211	129,290 - 151,781	0.171
10,176 - 10,295	0.250	19,072 - 19,498	0.210	151,782 - 183,746	0.170
10,296 - 10,418	0.249	19,499 - 19,943	0.209	183,747 - 204,944	0.169
10,419 - 10,544	0.248	19,944 - 20,410	0.208	204,945 - 213,540	0.168
10,545 - 10,673	0.247	20,411 - 20,899	0.207	213,541 - 222,889	0.167
10,674 - 10,805	0.246	20,900 - 21,412	0.206	222,890 - 233,094	0.166
10,806 - 10,940	0.245	21,413 - 21,950	0.205	233,095 - 244,278	0.165
10,941 - 11,079	0.244	21,951 - 22,517	0.204	244,279 - 256,590	0.164
11,080 - 11,222	0.243	22,518 - 23,113	0.203	256,591 - 270,208	0.163
11,223 - 11,368	0.242	23,114 - 23,742	0.202	270,209 - 285,353	0.162
11,369 - 11,518	0.241	23,743 - 24,406	0.201	285,354 - 302,297	0.161
11,519 - 11,672	0.240	24,407 - 25,109	0.200	302,298 - 321,380	0.160
11,673 - 11,831	0.239	25,110 - 25,853	0.199	321,381 - 343,034	0.159
11,832 - 11,993	0.238	25,854 - 26,642	0.198	343,035 - 367,818	0.158
11,994 - 12,160	0.237	26,643 - 27,481	0.197	367,819 - 396,461	0.157
12,161 - 12,332	0.236	27,482 - 28,375	0.196	396,462 - 429,942	0.156
12,333 - 12,509	0.235	28,376 - 29,329	0.195	429,943 - 469,600	0.155
12,510 - 12,691	0.234	29,330 - 30,349	0.194	469,601 - 517,317	0.154
12,692 - 12,878	0.233	30,350 - 31,443	0.193	517,318 - 575,828	0.153
12,879 - 13,071	0.232	31,444 - 32,618	0.192	575,829 - 649,263	0.152
13,072 - 13,270	0.231	32,619 - 33,885	0.191	649,264 - 744,166	0.151
13,271 - 13,475	0.230	33,886 - 35,254	0.190	744,167 - 871,563	0.150
13,476 - 13,686	0.229	35,255 - 36,739	0.189	871,564 - 1,051,589	0.149
13,687 - 13,904	0.228	36,740 - 38,354	0.188	1,051,590 - 1,325,346	0.148
13,905 - 14,130	0.227	38,355 - 40,117	0.187	1,325,347 - 1,759,556	0.147
14,131 - 14,362	0.226	40,118 - 42,051	0.186	1,759,557 - 1,913,510	0.146
14,363 - 14,603	0.225	42,052 - 44,180	0.185	1,913,511 - 2,096,989	0.145
14,604 - 14,851	0.224	44,181 - 46,537	0.184	2,096,990 - 2,319,386	0.144
14,852 - 15,108	0.223	46,538 - 49,159	0.183	2,319,387 - 2,594,552	0.143
15,109 - 15,375	0.222	49,160 - 52,094	0.182	2,594,553 - 2,943,796	0.142
15,376 - 15,650	0.221	52,095 - 55,402	0.181	2,943,797 - 3,401,685	0.141
15,651 - 15,936	0.220	55,403 - 59,158	0.180	3,401,686 - 4,028,256	0.140
15,937 - 16,233	0.219	59,159 - 63,461	0.179	4,028,257 - 4,937,764	0.139
16,234 - 16,540	0.218	63,462 - 68,439	0.178	4,937,765 - 6,377,744	0.138
16,541 - 16,860	0.217	68,440 - 74,264	0.177	6,377,745 - 9,003,355	0.137
16,861 - 17,192	0.216	74,265 - 81,174	0.176	9,003,356 - 15,303,589	0.136
17,193 - 17,538	0.215	81,175 - 89,501	0.175	15,303,590 - 50,972,067	0.135
17,539 - 17,898	0.214	89,502 - 99,731	0.174	50,972,068 - OVER	0.134
17,899 - 18,273	0.213	99,732 - 112,603	0.173		

Note: Above table based on the following discounts:

Standard Premium	Discount
First 10,000	0.0%
Next 190,000	9.1%
Next 1,550,000	11.3%
Over 1,750,000	12.3%

TABLE OF EXPENSE RATIOS—EXCLUDING ALLOCATED LOSS ADJUSTMENT EXPENSE AND TAXES AND INCLUDING PROFIT AND CONTINGENCIES - TYPE B COMPANY - MASSACHUSETTS

Effective 01 July 2023

Standard Premium			Expense Ratio	Standard Premium			Expense Ratio	Standard Premium			Expense Ratio
0	-	10,103	0.252	20,043	-	20,899	0.227	247,542	-	268,484	0.202
10,104	-	10,316	0.251	20,900	-	21,832	0.226	268,485	-	293,297	0.201
10,317	-	10,539	0.250	21,833	-	22,852	0.225	293,298	-	323,163	0.200
10,540	-	10,771	0.249	22,853	-	23,972	0.224	323,164	-	359,802	0.199
10,772	-	11,014	0.248	23,973	-	25,208	0.223	359,803	-	405,811	0.198
11,015	-	11,267	0.247	25,209	-	26,578	0.222	405,812	-	465,312	0.197
11,268	-	11,533	0.246	26,579	-	28,106	0.221	465,313	-	545,260	0.196
11,534	-	11,812	0.245	28,107	-	29,820	0.220	545,261	-	658,379	0.195
11,813	-	12,104	0.244	29,821	-	31,757	0.219	658,380	-	830,719	0.194
12,105	-	12,411	0.243	31,758	-	33,963	0.218	830,720	-	1,125,276	0.193
12,412	-	12,735	0.242	33,964	-	36,498	0.217	1,125,277	-	1,743,482	0.192
12,736	-	13,075	0.241	36,499	-	39,442	0.216	1,743,483	-	1,917,001	0.191
13,076	-	13,434	0.240	39,443	-	42,902	0.215	1,917,002	-	2,120,764	0.190
13,435	-	13,814	0.239	42,903	-	47,028	0.214	2,120,765	-	2,372,997	0.189
13,815	-	14,215	0.238	47,029	-	52,033	0.213	2,372,998	-	2,693,328	0.188
14,216	-	14,641	0.237	52,034	-	58,229	0.212	2,693,329	-	3,113,638	0.187
14,642	-	15,093	0.236	58,230	-	66,101	0.211	3,113,639	-	3,689,389	0.186
15,094	-	15,574	0.235	66,102	-	76,433	0.210	3,689,390	-	4,526,373	0.185
15,575	-	16,086	0.234	76,434	-	90,594	0.209	4,526,374	-	5,854,551	0.184
16,087	-	16,633	0.233	90,595	-	111,196	0.208	5,854,552	-	8,285,885	0.183
16,634	-	17,219	0.232	111,197	-	143,925	0.207	8,285,886	-	14,170,923	0.182
17,220	-	17,847	0.231	143,926	-	200,600	0.206	14,170,924	-	48,907,168	0.181
17,848	-	18,524	0.230	200,601	-	214,136	0.205	48,907,169	-	OVER	0.180
18,525	-	19,253	0.229	214,137	-	229,630	0.204				
19,254	-	20,042	0.228	229,631	-	247,541	0.203				

Note: Above table based on the following discounts:

Standard Premium	Discount
First 10,000	0.0%
Next 190,000	5.1%
Next 1,550,000	6.5%
Over 1,750,000	7.5%