

DELAWARE COMPENSATION RATING BUREAU, INC.

Paid and Incurred Loss Development and Trend – Unlimited Losses

Page 1 of the attachment shows the calculation of Standard Earned Premiums. Standard Earned Premiums are developed to ultimate, adjusted to current residual market rate level and adjusted to remove the impact of expense constants, the DCCPAP program and the residual market surcharge program.

Pages 2 through 15 present indemnity losses and loss adjustment expense.

Page 2 shows reported incurred and paid loss development factors and ratios of incurred to paid losses, based on the current Table I. An average of the latest four factors is shown.

Page 3 shows adjustment factors for incurred and paid loss development factors and ratios of incurred to paid losses.

Page 4 shows incurred and paid loss development factors and ratios of incurred to paid losses, adjusted to a post House Bill-175, pre House Bill-373 benefit level. An average of the latest four factors is shown. Selected factors are generally based upon a fitting of the four-year averages to a curve.

Page 5 arranges the factors according to the loss development approach shown. There are three methods: case incurred, paid to twenty-ninth and the average of the incurred and paid to twenty-ninth methods. The last section of page 5 shows the loss on-level, loss adjustment expense factors, and law adjustment factors applicable to reported incurred and paid losses as of 12/31/2018.

Page 6 shows the loss base (paid or incurred losses depending on the method) to which the development factors apply, the projected ultimate level of losses, and ultimate losses adjusted to current benefit levels and including loss adjustment expense.

The top portion of page 7 presents ultimate on-level loss and loss adjustment expense ratios by policy year for each methodology. The middle portion of page 7 presents information on claim frequencies, which are further discussed in Exhibit 23. The first column shows frequencies by policy year. The second column shows normalized values for claim frequency with Policy Year 2005 set equal to unity. Staff selected a seven-point frequency trend factor of -5.0% (Policy Years 2010 through 2017). The lower portion of page 7 shows severity ratios which are defined as loss ratios adjusted to a common underlying claim frequency level. The severity ratios are

calculated by dividing the loss ratios in the top section of page 7 by the normalized claim frequencies in the middle portion of page 7 for each policy year and loss development approach.

Page 8 shows fitted values for severity ratios fitted to a straight line for each loss development approach and using from 4 to 10 points. The top portion of page 9 shows those same straight lines trended to the midpoint of the prospective rating period (12/1/20). The second section of page 9 shows severity trend factors by policy year calculated by dividing the trended points on page 9 by the fitted values on page 8.

Pages 10 and 11 present the analogous exponential severity trend factor calculation. Pages 12 and 13 show the loss ratio trend factors by policy year which are a product of the severity (pages 9 and 11) and frequency (page 7) trend factors that were previously calculated.

Pages 14 and 15 show averages of the four latest policy years trended to the midpoint of the prospective rating period (12/1/20) on a linear and exponential basis, respectively.

Pages 16 through 29 show experience for medical loss and loss adjustment expense laid out the same way as pages 2 through 15 while pages 30 and 31 show a summary of annualized severity and loss ratio trend factors.

PREMIUMS	PDF 14-15	PDF 15-16	PDF 16-17	PDF 17-18	4 Year Average	Selected PDF
Beyond	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
28-29	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
27-28	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
26-27	1.0000	1.0000	1.0000	1.0002	1.0001	1.0000
25-26	1.0000	1.0000	1.0003	1.0000	1.0001	1.0000
24-25	1.0000	1.0002	1.0000	1.0000	1.0001	1.0000
23-24	1.0002	1.0000	1.0000	1.0000	1.0001	1.0000
22-23	1.0000	1.0000	0.9999	1.0000	1.0000	1.0000
21-22	1.0000	1.0001	1.0000	0.9988	0.9997	1.0000
20-21	1.0000	1.0000	1.0001	1.0013	1.0004	1.0000
19-20	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000
18-19	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000
17-18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
16-17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
15-16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
14-15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13-14	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000
12-13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
11-12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
10-11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
9-10	1.0000	1.0000	1.0000	1.0004	1.0001	1.0000
8-9	1.0000	1.0000	0.9996	1.0001	0.9999	0.9999
7-8	1.0000	1.0000	1.0000	1.0009	1.0002	1.0002
6-7	1.0000	1.0000	0.9999	1.0001	1.0000	1.0000
5-6	1.0057	0.9999	1.0000	1.0001	1.0014	1.0014
4-5	1.0020	1.0003	1.0014	1.0001	1.0010	1.0010
3-4	0.9978	1.0002	1.0002	0.9998	0.9995	0.9995
2-3	1.0031	0.9993	0.9990	0.9986	1.0000	1.0000
1-2	1.0074	1.0126	1.0063	1.0073	1.0084	1.0084

PREMIUMS	Policy Year	Reported SEP	Cum PDF	Ultimate SEP	On-Level Factor	ECRF	DCCPAP Factor
Beyond	1989	110,434,536	1.0000	110,434,536	1.0930	0.9919	1.0000
28-29	1990	99,068,273	1.0000	99,068,273	1.0930	0.9915	1.0037
27-28	1991	95,299,600	1.0000	95,299,600	1.0930	0.9913	1.0083
26-27	1992	86,414,699	1.0000	86,414,699	1.0930	0.9914	1.0137
25-26	1993	87,138,363	1.0000	87,138,363	1.0930	0.9914	1.0144
24-25	1994	81,919,459	1.0000	81,919,459	1.1359	0.9942	1.0129
23-24	1995	78,358,546	1.0000	78,358,546	1.2187	0.9971	1.0112
22-23	1996	82,194,809	1.0000	82,194,809	1.2220	0.9973	1.0131
21-22	1997	81,487,738	1.0000	81,487,738	1.1628	0.9979	1.0081
20-21	1998	85,909,012	1.0000	85,909,012	1.0732	0.9986	1.0001
19-20	1999	80,452,030	1.0000	80,452,030	1.2363	0.9989	0.9959
18-19	2000	89,023,336	1.0000	89,023,336	1.2204	0.9988	0.9929
17-18	2001	87,243,814	1.0000	87,243,814	1.2833	0.9982	0.9956
16-17	2002	113,274,411	1.0000	113,274,411	1.0755	0.9976	0.9982
15-16	2003	128,433,912	1.0000	128,433,912	1.0089	0.9966	1.0010
14-15	2004	151,325,852	1.0000	151,325,852	1.0496	0.9963	0.9999
13-14	2005	184,339,508	1.0000	184,339,508	0.9230	0.9968	0.9985
12-13	2006	203,827,167	1.0000	203,827,167	0.8816	0.9975	0.9960
11-12	2007	197,842,579	1.0000	197,842,579	0.9051	0.9977	0.9974
10-11	2008	149,789,433	1.0000	149,789,433	1.2211	0.9974	0.9989
9-10	2009	117,656,705	1.0000	117,656,705	1.5210	0.9971	1.0147
8-9	2010	105,346,615	0.9999	105,336,080	1.6549	0.9970	1.0141
7-8	2011	104,913,893	1.0001	104,924,384	1.6663	0.9968	1.0145
6-7	2012	114,525,756	1.0001	114,537,209	1.4296	0.9966	1.0156
5-6	2013	134,430,051	1.0015	134,631,696	1.1658	0.9966	1.0139
4-5	2014	146,687,320	1.0025	147,054,038	1.0596	0.9966	1.0141
3-4	2015	145,199,847	1.0020	145,490,247	1.1686	0.9965	1.0166
2-3	2016	165,458,328	1.0020	165,789,245	1.1066	0.9973	1.0152
1-2	2017	176,346,491	1.0104	178,180,495	1.1318	0.9973	1.0152

PREMIUMS	Policy Year	Other Adjustments	On-Level SEP
1989		1.0000	119,727,238
1990		1.0000	107,758,465
1991		1.0000	104,113,276
1992		1.0000	94,921,839
1993		1.0000	95,782,841
1994		1.0000	93,709,254
1995		1.0000	96,285,071
1996		1.0000	101,483,101
1997		1.0000	95,320,854
1998		1.0000	92,077,682
1999		1.0000	98,946,086
2000		1.0000	107,743,259
2001		1.0000	111,266,721
2002		1.0000	121,315,483
2003		1.0000	129,265,549
2004		1.0000	158,228,113
2005		1.0000	169,346,499
2006		1.0000	178,527,816
2007		1.0000	178,190,959
2008		1.0000	182,231,641
2009		1.0000	181,059,898
2010		1.0000	176,248,265
2011		1.0000	176,803,030
2012		1.0000	165,731,366
2013		1.0000	158,594,227
2014		1.0000	157,478,246
2015		1.0000	172,237,285
2016		1.0000	185,748,129
2017		1.0000	204,177,216

INDEMNITY Reported	Incurred LDF 11-12	Incurred LDF 12-13	Incurred LDF 13-14	Incurred LDF 14-15	Incurred LDF 15-16	Incurred LDF 16-17	Incurred LDF 17-18	4 Year Average LDF
Beyond	1.0007	0.9823	1.0026	1.0063	0.9929	1.0070	0.9862	0.9981
28-29				1.0008	1.0010	1.0012	0.9991	1.0005
27-28			1.0013	1.0007	0.9989	0.9978	0.9983	0.9989
26-27		0.9996	1.0011	1.0031	0.9969	1.0030	1.0029	1.0015
25-26	1.0013	0.9911	1.0026	1.0006	0.9997	0.9991	1.0000	0.9999
24-25	1.0048	1.0059	1.0101	1.0195	0.9960	0.9997	0.9984	1.0034
23-24	1.0017	1.0156	0.9998	1.0009	1.0010	1.0007	1.0074	1.0025
22-23	1.0007	1.0032	1.0119	1.0025	1.0004	1.0051	1.0009	1.0022
21-22	0.9996	0.9996	1.0002	1.0034	0.9968	1.0006	0.9964	0.9993
20-21	0.9983	0.9996	1.0037	1.0123	0.9998	1.0001	1.0023	1.0036
19-20	0.9995	0.9901	0.9932	0.9999	1.0009	1.0015	1.0031	1.0014
18-19	1.0123	1.0251	1.0174	1.0029	1.0013	1.0003	0.9955	1.0000
17-18	0.9812	1.0006	0.9951	0.9820	1.0021	1.0029	0.9998	0.9967
16-17	1.0003	1.0014	0.9985	1.0037	1.0019	0.9993	1.0003	1.0013
15-16	1.0059	0.9991	1.0016	1.0014	0.9972	0.9960	1.0013	0.9990
14-15	1.0042	0.9980	0.9956	0.9998	1.0000	1.0000	0.9984	0.9996
13-14	1.0053	0.9965	1.0027	1.0001	1.0004	0.9988	1.0070	1.0016
12-13	1.0256	1.0201	1.0023	0.9980	1.0017	0.9926	1.0012	0.9984
11-12	0.9982	1.0026	1.0085	1.0012	1.0058	1.0039	0.9966	1.0019
10-11	1.0002	1.0033	1.0233	1.0029	0.9985	0.9971	1.0016	1.0000
9-10	1.0120	1.0080	1.0077	1.0013	1.0092	0.9963	1.0274	1.0086
8-9	1.0122	1.0029	1.0032	1.0168	1.0067	1.0074	1.0231	1.0135
7-8	1.0219	1.0058	1.0129	1.0137	1.0064	1.0173	1.0040	1.0104
6-7	1.0051	1.0321	1.0376	1.0054	1.0141	1.0324	1.0189	1.0177
5-6	1.0148	1.0288	1.0329	1.0045	1.0207	1.0096	1.0103	1.0113
4-5	1.0177	1.0532	1.0535	0.9715	1.0233	1.0263	1.0238	1.0112
3-4	1.0364	1.0617	1.0599	1.0396	1.0844	1.0302	1.0541	1.0521
2-3	1.2597	1.2546	1.1019	1.1074	1.1557	1.0971	1.0785	1.1097
1-2	1.3262	1.2877	1.3206	1.2829	1.2640	1.4364	1.4254	1.3522

INDEMNITY Reported	Paid LDF 11-12	Paid LDF 12-13	Paid LDF 13-14	Paid LDF 14-15	Paid LDF 15-16	Paid LDF 16-17	Paid LDF 17-18	4 Year Average LDF
28-29				1.0027	1.0012	1.0009	1.0021	1.0017
27-28			1.0024	1.0022	1.0013	1.0116	1.0059	1.0053
26-27		1.0013	1.0026	1.0070	1.0023	1.0034	1.0032	1.0040
25-26	1.0027	0.9864	1.0022	1.0064	1.0033	1.0027	1.0004	1.0032
24-25	1.0016	1.0080	1.0053	1.0038	1.0013	1.0006	1.0024	1.0020
23-24	1.0024	1.0083	1.0033	1.0061	1.0014	1.0035	1.0057	1.0042
22-23	1.0045	1.0067	1.0239	1.0006	1.0020	1.0023	1.0023	1.0018
21-22	1.0034	1.0034	1.0006	1.0055	1.0154	1.0023	1.0009	1.0060
20-21	1.0058	1.0010	1.0097	1.0033	1.0022	1.0027	1.0041	1.0031
19-20	1.0087	1.0032	1.0473	1.0024	1.0030	1.0056	1.0010	1.0030
18-19	1.0076	1.0030	1.0013	1.0035	1.0028	1.0066	1.0010	1.0035
17-18	1.0055	1.0042	1.0035	1.0037	1.0025	1.0041	1.0019	1.0031
16-17	1.0030	1.0128	1.0089	1.0153	1.0104	1.0118	1.0017	1.0098
15-16	1.0113	1.0136	1.0101	1.0020	1.0023	1.0023	1.0028	1.0024
14-15	1.0140	1.0028	1.0079	1.0103	1.0057	1.0024	1.0030	1.0054
13-14	1.0101	1.0254	1.0086	1.0092	1.0035	1.0092	1.0096	1.0079
12-13	1.0106	1.0121	1.0112	1.0110	1.0073	1.0067	1.0023	1.0068
11-12	1.0108	1.0126	1.0375	1.0075	1.0062	1.0067	1.0050	1.0064
10-11	1.0114	1.0184	1.0340	1.0091	1.0289	1.0147	1.0224	1.0188
9-10	1.0146	1.0193	1.0174	1.0181	1.0226	1.0111	1.0363	1.0220
8-9	1.0202	1.0350	1.0279	1.0410	1.0377	1.0209	1.0389	1.0346
7-8	1.0295	1.0347	1.0547	1.0198	1.0189	1.0735	1.0348	1.0368
6-7	1.0336	1.0528	1.0310	1.0401	1.0598	1.0540	1.0501	1.0510
5-6	1.0765	1.0797	1.0540	1.0897	1.0531	1.0540	1.0433	1.0600
4-5	1.1236	1.1179	1.1210	1.0895	1.0542	1.0963	1.0916	1.0829
3-4	1.2038	1.1856	1.2023	1.1642	1.2339	1.2102	1.1616	1.1925
2-3	1.5144	1.5790	1.3949	1.4470	1.3806	1.4012	1.2820	1.3777
1-2	1.9083	2.0197	2.0411	1.8383	1.9441	2.0935	2.0129	1.9722

INDEMNITY Reported	Pd-Incur LDF 11-12	Pd-Incur LDF 12-13	Pd-Incur LDF 13-14	Pd-Incur LDF 14-15	Pd-Incur LDF 15-16	Pd-Incur LDF 16-17	Pd-Incur LDF 17-18	4 Year Average LDF
28-29				1.0346	1.0323	1.0081	1.0299	1.0262
27-28			1.0334	1.0335	1.0081	1.0427	1.0411	1.0314
26-27		1.0343	1.0329	1.0163	1.0474	1.0464	1.0250	1.0338
25-26	1.0374	1.0199	1.0160	1.0574	1.0464	1.0248	1.0067	1.0338
24-25	1.0306	1.0206	1.0634	1.0507	1.0270	1.0073	1.0206	1.0264
23-24	1.0168	1.0600	1.0356	1.0374	1.0091	1.0257	1.0409	1.0283
22-23	1.0484	1.0405	1.0634	1.0087	1.0270	1.0355	1.0452	1.0291
21-22	1.0407	1.0506	1.0073	1.0323	1.0461	1.0464	1.0255	1.0376
20-21	1.0571	1.0076	1.0383	1.0529	1.0480	1.0318	1.0522	1.0462
19-20	1.0167	1.0358	1.0922	1.0507	1.0347	1.0553	1.0169	1.0394
18-19	1.0540	1.0921	1.0554	1.0373	1.0564	1.0204	1.0015	1.0289
17-18	1.0711	1.0394	1.0351	1.0589	1.0226	1.0101	1.0310	1.0307
16-17	1.0416	1.0557	1.0944	1.0361	1.0176	1.0433	1.0307	1.0319
15-16	1.0660	1.1062	1.0421	1.0177	1.0464	1.0325	1.0381	1.0337
14-15	1.1219	1.0397	1.0206	1.0601	1.0424	1.0393	1.0430	1.0462
13-14	1.0519	1.0525	1.0771	1.0520	1.0429	1.0536	1.0367	1.0463
12-13	1.0667	1.0946	1.0486	1.0539	1.0619	1.0363	1.0239	1.0440
11-12	1.0834	1.0693	1.0987	1.0681	1.0505	1.0294	1.0416	1.0474
10-11	1.0773	1.1090	1.1069	1.0539	1.0537	1.0601	1.0765	1.0611
9-10	1.1169	1.1016	1.0713	1.0744	1.0866	1.0932	1.0918	1.0865
8-9	1.1147	1.0976	1.0998	1.1209	1.1386	1.0849	1.1213	1.1164
7-8	1.1268	1.1374	1.1646	1.1534	1.0971	1.1755	1.0944	1.1301
6-7	1.1687	1.2059	1.1743	1.1338	1.2244	1.1485	1.1042	1.1527
5-6	1.2569	1.2235	1.1749	1.3156	1.1715	1.1417	1.1567	1.1964
4-5	1.3363	1.2809	1.4695	1.2505	1.1918	1.2551	1.2248	1.2306
3-4	1.4657	1.6602	1.5264	1.3560	1.5078	1.4471	1.3530	1.4160
2-3	2.3682	2.3606	1.8147	2.0119	1.9387	1.7982	1.6100	1.8397
1-2	3.5906	3.3401	3.6949	3.0838	3.2065	3.1332	3.6645	3.2720



INDEMNITY Adjusted	Incurred LDF 11-12	Incurred LDF 12-13	Incurred LDF 13-14	Incurred LDF 14-15	Incurred LDF 15-16	Incurred LDF 16-17	Incurred LDF 17-18	4 Year Average LDF	Selected Incurred LDF
Beyond	1.0007	0.9823	1.0026	1.0063	0.9929	1.0070	0.9862	0.9981	0.9981
28-29				1.0008	1.0010	1.0012	0.9991	1.0005	1.0001
27-28			1.0013	1.0007	0.9989	0.9978	0.9983	0.9989	1.0002
26-27		0.9996	1.0011	1.0031	0.9969	1.0030	1.0029	1.0015	1.0002
25-26	1.0013	0.9911	1.0026	1.0006	0.9997	0.9991	1.0000	0.9999	1.0003
24-25	1.0048	1.0059	1.0101	1.0195	0.9960	0.9997	0.9984	1.0034	1.0004
23-24	1.0017	1.0156	0.9998	1.0009	1.0010	1.0007	1.0074	1.0025	1.0005
22-23	1.0007	1.0032	1.0119	1.0025	1.0004	1.0051	1.0009	1.0022	1.0006
21-22	0.9996	0.9996	1.0002	1.0034	0.9968	1.0006	0.9964	0.9993	1.0007
20-21	0.9983	0.9996	1.0037	1.0123	0.9998	1.0001	1.0023	1.0036	1.0008
19-20	0.9995	0.9901	0.9932	0.9999	1.0009	1.0015	1.0031	1.0014	1.0009
18-19	1.0123	1.0251	1.0174	1.0029	1.0013	1.0003	0.9955	1.0000	1.0011
17-18	0.9812	1.0006	0.9951	0.9820	1.0021	1.0029	0.9998	0.9967	1.0012
16-17	1.0003	1.0014	0.9985	1.0037	1.0019	0.9993	1.0003	1.0013	1.0014
15-16	1.0059	0.9991	1.0016	1.0014	0.9972	0.9960	1.0013	0.9990	1.0017
14-15	1.0042	0.9980	0.9956	0.9998	1.0000	1.0000	0.9984	0.9996	1.0019
13-14	1.0053	0.9965	1.0027	1.0001	1.0004	0.9988	1.0070	1.0016	1.0023
12-13	1.0256	1.0201	1.0023	0.9980	1.0017	0.9926	1.0012	0.9984	1.0027
11-12	0.9982	1.0026	1.0085	1.0012	1.0058	1.0039	0.9966	1.0019	1.0032
10-11	1.0002	1.0033	1.0233	1.0029	0.9985	0.9971	1.0016	1.0000	1.0038
9-10	1.0120	1.0080	1.0077	1.0013	1.0092	0.9963	1.0274	1.0086	1.0047
8-9	1.0122	1.0029	1.0032	1.0168	1.0067	1.0074	1.0231	1.0135	1.0059
7-8	1.0219	1.0058	1.0129	1.0137	1.0064	1.0173	1.0040	1.0104	1.0076
6-7	1.0051	1.0321	1.0376	1.0054	1.0141	1.0324	1.0189	1.0177	1.0102
5-6	1.0148	1.0288	1.0329	1.0045	1.0207	1.0096	1.0103	1.0113	1.0148
4-5	1.0177	1.0532	1.0535	0.9715	1.0233	1.0263	1.0238	1.0112	1.0238
3-4	1.0364	1.0617	1.0599	1.0396	1.0844	1.0302	1.0541	1.0521	1.0448
2-3	1.2597	1.2546	1.1019	1.1074	1.1557	1.0971	1.0785	1.1097	1.1106
1-2	1.3262	1.2877	1.3206	1.2829	1.2640	1.4364	1.4254	1.3522	1.3522

INDEMNITY Adjusted	Paid LDF 11-12	Paid LDF 12-13	Paid LDF 13-14	Paid LDF 14-15	Paid LDF 15-16	Paid LDF 16-17	Paid LDF 17-18	4 Year Average LDF	Selected Paid LDF
28-29				1.0027	1.0012	1.0009	1.0021	1.0017	1.0029
27-28			1.0024	1.0022	1.0013	1.0116	1.0059	1.0053	1.0030
26-27		1.0013	1.0026	1.0070	1.0023	1.0034	1.0032	1.0040	1.0031
25-26	1.0027	0.9864	1.0022	1.0064	1.0033	1.0027	1.0004	1.0032	1.0032
24-25	1.0016	1.0080	1.0053	1.0038	1.0013	1.0006	1.0024	1.0020	1.0033
23-24	1.0024	1.0083	1.0033	1.0061	1.0014	1.0035	1.0057	1.0042	1.0034
22-23	1.0045	1.0067	1.0239	1.0006	1.0020	1.0023	1.0023	1.0018	1.0036
21-22	1.0034	1.0034	1.0006	1.0055	1.0154	1.0023	1.0009	1.0060	1.0038
20-21	1.0058	1.0010	1.0097	1.0033	1.0022	1.0027	1.0041	1.0031	1.0040
19-20	1.0087	1.0032	1.0473	1.0024	1.0030	1.0056	1.0010	1.0030	1.0043
18-19	1.0076	1.0030	1.0013	1.0035	1.0028	1.0066	1.0010	1.0035	1.0047
17-18	1.0055	1.0042	1.0035	1.0037	1.0025	1.0041	1.0019	1.0031	1.0051
16-17	1.0030	1.0128	1.0089	1.0153	1.0104	1.0118	1.0017	1.0098	1.0057
15-16	1.0113	1.0136	1.0101	1.0020	1.0023	1.0023	1.0028	1.0024	1.0064
14-15	1.0140	1.0028	1.0079	1.0103	1.0057	1.0024	1.0030	1.0054	1.0073
13-14	1.0101	1.0254	1.0086	1.0092	1.0035	1.0092	1.0096	1.0079	1.0085
12-13	1.0106	1.0121	1.0112	1.0110	1.0073	1.0067	1.0023	1.0068	1.0100
11-12	1.0108	1.0126	1.0375	1.0075	1.0062	1.0067	1.0050	1.0064	1.0120
10-11	1.0114	1.0184	1.0340	1.0091	1.0289	1.0147	1.0224	1.0188	1.0148
9-10	1.0146	1.0193	1.0174	1.0181	1.0226	1.0111	1.0363	1.0220	1.0185
8-9	1.0202	1.0350	1.0279	1.0410	1.0377	1.0209	1.0389	1.0346	1.0239
7-8	1.0295	1.0347	1.0547	1.0198	1.0189	1.0735	1.0348	1.0368	1.0319
6-7	1.0336	1.0528	1.0310	1.0401	1.0598	1.0540	1.0501	1.0510	1.0444
5-6	1.0765	1.0797	1.0540	1.0897	1.0531	1.0540	1.0433	1.0600	1.0652
4-5	1.1236	1.1179	1.1210	1.0895	1.0542	1.0963	1.0916	1.0829	1.1030
3-4	1.2038	1.1856	1.2023	1.1642	1.2339	1.2102	1.1616	1.1925	1.1812
2-3	1.5144	1.5790	1.3949	1.4470	1.3806	1.4012	1.2820	1.3777	1.3785
1-2	1.9083	2.0197	2.0411	1.8383	1.9441	2.0935	2.0129	1.9722	1.9722

INDEMNITY Adjusted	Pd-Incur LDF 11-12	Pd-Incur LDF 12-13	Pd-Incur LDF 13-14	Pd-Incur LDF 14-15	Pd-Incur LDF 15-16	Pd-Incur LDF 16-17	Pd-Incur LDF 17-18	4 Year Average LDF	Selected Pd-Incur LDF
28-29				1.0346	1.0323	1.0081	1.0299	1.0262	1.0262
27-28			1.0334	1.0335	1.0081	1.0427	1.0411	1.0314	1.0314
26-27		1.0343	1.0329	1.0163	1.0474	1.0464	1.0250	1.0338	1.0338
25-26	1.0374	1.0199	1.0160	1.0574	1.0464	1.0248	1.0067	1.0338	1.0338
24-25	1.0306	1.0206	1.0634	1.0507	1.0270	1.0073	1.0206	1.0264	1.0264
23-24	1.0168	1.0600	1.0356	1.0374	1.0091	1.0257	1.0409	1.0283	1.0283
22-23	1.0484	1.0405	1.0634	1.0087	1.0270	1.0355	1.0452	1.0291	1.0291
21-22	1.0407	1.0506	1.0073	1.0323	1.0461	1.0464	1.0255	1.0376	1.0376
20-21	1.0571	1.0076	1.0383	1.0529	1.0480	1.0318	1.0522	1.0462	1.0462
19-20	1.0167	1.0358	1.0922	1.0507	1.0347	1.0553	1.0169	1.0394	1.0394
18-19	1.0540	1.0921	1.0554	1.0373	1.0564	1.0204	1.0015	1.0289	1.0289
17-18	1.0711	1.0394	1.0351	1.0589	1.0226	1.0101	1.0310	1.0307	1.0307
16-17	1.0416	1.0557	1.0944	1.0361	1.0176	1.0433	1.0307	1.0319	1.0319
15-16	1.0660	1.1062	1.0421	1.0177	1.0464	1.0325	1.0381	1.0337	1.0337
14-15	1.1219	1.0397	1.0206	1.0601	1.0424	1.0393	1.0430	1.0462	1.0462
13-14	1.0519	1.0525	1.0771	1.0520	1.0429	1.0536	1.0367	1.0463	1.0463
12-13	1.0667	1.0946	1.0486	1.0539	1.0619	1.0363	1.0239	1.0440	1.0440
11-12	1.0834	1.0693	1.0987	1.0681	1.0505	1.0294	1.0416	1.0474	1.0474
10-11	1.0773	1.1090	1.1069	1.0539	1.0537	1.0601	1.0765	1.0611	1.0611
9-10	1.1169	1.1016	1.0713	1.0744	1.0866	1.0932	1.0918	1.0865	1.0865
8-9	1.1147	1.0976	1.0998	1.1209	1.1386	1.0849	1.1213	1.1164	1.1164
7-8	1.1268	1.1374	1.1646	1.1534	1.0971	1.1755	1.0944	1.1301	1.1301
6-7	1.1687	1.2059	1.1743	1.1338	1.2244	1.1485	1.1042	1.1527	1.1527
5-6	1.2569	1.2235	1.1749	1.3156	1.1715	1.1417	1.1567	1.1964	1.1964
4-5	1.3363	1.2809	1.4695	1.2505	1.1918	1.2551	1.2248	1.2306	1.2306
3-4	1.4657	1.6602	1.5264	1.3560	1.5078	1.4471	1.3530	1.4160	1.4160
2-3	2.3682	2.3606	1.8147	2.0119	1.9387	1.7982	1.6100	1.8397	1.8397
1-2	3.5906	3.3401	3.6949	3.0838	3.2065	3.1332	3.6645	3.2720	3.2720

INDEMNITY	Policy Year	Incurred LDF	Paid to 29th LDF
Beyond	1989	0.9981	0.9981
28-29	1990	1.0001	1.0262
27-28	1991	1.0002	1.0030
26-27	1992	1.0002	1.0031
25-26	1993	1.0003	1.0032
24-25	1994	1.0004	1.0033
23-24	1995	1.0005	1.0034
22-23	1996	1.0006	1.0036
21-22	1997	1.0007	1.0038
20-21	1998	1.0008	1.0040
19-20	1999	1.0009	1.0043
18-19	2000	1.0011	1.0047
17-18	2001	1.0012	1.0051
16-17	2002	1.0014	1.0057
15-16	2003	1.0017	1.0064
14-15	2004	1.0019	1.0073
13-14	2005	1.0023	1.0085
12-13	2006	1.0027	1.0100
11-12	2007	1.0032	1.0120
10-11	2008	1.0038	1.0148
9-10	2009	1.0047	1.0185
8-9	2010	1.0059	1.0239
7-8	2011	1.0076	1.0319
6-7	2012	1.0102	1.0444
5-6	2013	1.0148	1.0652
4-5	2014	1.0238	1.1030
3-4	2015	1.0448	1.1812
2-3	2016	1.1106	1.3785
1-2	2017	1.3522	1.9722

INDEMNITY	Policy Year	Incurred Cum LDF	Paid to 29th Cum LDF
Beyond	1989	0.9981	0.9981
28-29	1990	0.9982	1.0243
27-28	1991	0.9984	1.0273
26-27	1992	0.9986	1.0305
25-26	1993	0.9989	1.0338
24-25	1994	0.9993	1.0372
23-24	1995	0.9998	1.0407
22-23	1996	1.0004	1.0445
21-22	1997	1.0011	1.0485
20-21	1998	1.0019	1.0527
19-20	1999	1.0028	1.0572
18-19	2000	1.0039	1.0621
17-18	2001	1.0051	1.0676
16-17	2002	1.0065	1.0737
15-16	2003	1.0082	1.0805
14-15	2004	1.0101	1.0884
13-14	2005	1.0125	1.0977
12-13	2006	1.0152	1.1086
11-12	2007	1.0184	1.1219
10-11	2008	1.0223	1.1385
9-10	2009	1.0271	1.1596
8-9	2010	1.0332	1.1873
7-8	2011	1.0410	1.2252
6-7	2012	1.0517	1.2796
5-6	2013	1.0672	1.3630
4-5	2014	1.0926	1.5034
3-4	2015	1.1416	1.7758
2-3	2016	1.2678	2.4480
1-2	2017	1.7144	4.8279

INDEMNITY	Policy Year	Benefit Level Factor	LAE	Indemnity Incurred Law Adjustment	Indemnity Paid Law Adjustment
Beyond	1989	1.5620	1.2396	1.0000	1.0000
28-29	1990	1.5332	1.2396	1.0000	1.0000
27-28	1991	1.5147	1.2396	1.0000	1.0000
26-27	1992	1.4960	1.2396	1.0000	1.0000
25-26	1993	1.4734	1.2396	1.0000	1.0000
24-25	1994	1.4549	1.2396	1.0000	1.0000
23-24	1995	1.4312	1.2396	1.0000	1.0000
22-23	1996	1.4029	1.2396	1.0000	1.0000
21-22	1997	1.3759	1.2396	1.0000	1.0000
20-21	1998	1.3462	1.2396	1.0000	1.0000
19-20	1999	1.3149	1.2396	1.0000	1.0000
18-19	2000	1.2823	1.2396	1.0000	1.0000
17-18	2001	1.2525	1.2396	1.0000	1.0000
16-17	2002	1.2245	1.2396	1.0000	1.0000
15-16	2003	1.1948	1.2396	1.0000	1.0000
14-15	2004	1.1808	1.2396	1.0000	1.0000
13-14	2005	1.1645	1.2396	1.0000	1.0000
12-13	2006	1.1405	1.2396	1.0000	1.0000
11-12	2007	1.1104	1.2396	1.0000	1.0000
10-11	2008	1.0917	1.2396	1.0000	1.0000
9-10	2009	1.0876	1.2396	1.0000	1.0000
8-9	2010	1.0904	1.2396	1.0000	1.0000
7-8	2011	1.0940	1.2396	1.0000	1.0000
6-7	2012	1.0783	1.2396	1.0000	1.0000
5-6	2013	1.0552	1.2396	1.0000	1.0000
4-5	2014	1.0431	1.2396	1.0000	1.0000
3-4	2015	1.0415	1.2396	1.0000	1.0000
2-3	2016	1.0257	1.2396	1.0000	1.0000
1-2	2017	1.0127	1.2396	1.0000	1.0000

INDEMNITY		Policy Year	Incurred Base	Paid to 29th Base
Beyond	1989	35,062,702	35,062,702	
28-29	1990	35,009,810	33,826,310	
27-28	1991	31,647,038	30,975,536	
26-27	1992	28,561,616	28,383,485	
25-26	1993	31,372,740	30,813,848	
24-25	1994	24,645,538	23,811,727	
23-24	1995	26,204,307	25,129,797	
22-23	1996	30,905,013	30,162,200	
21-22	1997	30,437,220	29,045,264	
20-21	1998	25,638,598	25,237,606	
19-20	1999	30,432,065	30,418,002	
18-19	2000	39,407,707	38,295,563	
17-18	2001	33,874,026	32,920,474	
16-17	2002	38,529,773	37,220,676	
15-16	2003	38,454,751	36,982,016	
14-15	2004	41,422,082	40,339,681	
13-14	2005	40,098,457	39,251,618	
12-13	2006	43,530,464	42,001,093	
11-12	2007	41,871,112	39,768,038	
10-11	2008	40,401,663	38,348,044	
9-10	2009	44,842,758	41,548,588	
8-9	2010	40,214,408	38,023,864	
7-8	2011	37,966,522	36,105,544	
6-7	2012	35,297,870	31,836,544	
5-6	2013	38,321,526	34,154,600	
4-5	2014	30,642,531	26,306,826	
3-4	2015	34,768,757	27,684,893	
2-3	2016	29,319,007	16,104,937	
1-2	2017	21,094,110	9,804,073	

INDEMNITY		Proj Ult Incurred (Avg Pd & Inc)	Proj Ult Incurred (Incur)	Proj Ult Incurred (Pd-29)
Beyond	1989	34,996,083	34,996,083	34,996,083
28-29	1990	34,797,541	34,946,792	34,648,289
27-28	1991	31,708,786	31,596,403	31,821,168
26-27	1992	28,885,406	28,521,630	29,249,181
25-26	1993	31,596,793	31,338,230	31,855,356
24-25	1994	24,662,905	24,628,286	24,697,523
23-24	1995	26,175,823	26,199,066	26,152,580
22-23	1996	31,210,897	30,917,375	31,504,418
21-22	1997	30,462,330	30,470,701	30,453,959
20-21	1998	26,127,470	25,687,311	26,567,628
19-20	1999	31,337,594	30,517,275	32,157,912
18-19	2000	40,117,557	39,561,397	40,673,717
17-18	2001	34,596,341	34,046,784	35,145,898
16-17	2002	39,372,029	38,780,217	39,963,840
15-16	2003	39,364,574	38,770,080	39,959,068
14-15	2004	42,873,077	41,840,445	43,905,709
13-14	2005	41,843,095	40,599,688	43,086,501
12-13	2006	45,377,270	44,192,127	46,562,412
11-12	2007	43,628,651	42,641,540	44,615,762
10-11	2008	42,480,934	41,302,620	43,659,248
9-10	2009	47,118,870	46,057,997	48,179,743
8-9	2010	43,347,630	41,549,526	45,145,734
7-8	2011	41,879,831	39,523,149	44,236,513
6-7	2012	38,930,406	37,122,770	40,738,042
5-6	2013	43,724,727	40,896,733	46,552,720
4-5	2014	36,514,856	33,480,029	39,549,682
3-4	2015	44,427,423	39,692,013	49,162,833
2-3	2016	38,297,762	37,170,637	39,424,886
1-2	2017	41,748,413	36,163,742	47,333,084

INDEMNITY		Adjusted Ult Loss (Avg Pd & Inc)	Adjusted Ult Loss (Incur)	Adjusted Ult Loss (Pd-29)
Beyond	1989	67,761,348	67,761,348	67,761,348
28-29	1990	66,134,630	66,418,290	65,850,969
27-28	1991	59,537,117	59,326,105	59,748,129
26-27	1992	53,566,298	52,891,697	54,240,898
25-26	1993	57,709,225	57,236,978	58,181,471
24-25	1994	44,479,402	44,416,967	44,541,836
23-24	1995	46,438,934	46,480,170	46,397,698
22-23	1996	54,276,837	53,766,392	54,787,281
21-22	1997	51,955,504	51,969,781	51,941,226
20-21	1998	43,600,202	42,865,688	44,334,716
19-20	1999	51,078,712	49,741,634	52,415,790
18-19	2000	63,768,425	62,884,387	64,652,463
17-18	2001	53,714,245	52,861,003	54,567,486
16-17	2002	59,762,416	58,864,111	60,660,721
15-16	2003	58,301,851	57,421,361	59,182,340
14-15	2004	62,754,167	61,242,683	64,265,650
13-14	2005	60,401,101	58,606,226	62,195,976
12-13	2006	64,152,741	62,477,229	65,828,253
11-12	2007	60,052,737	58,694,026	61,411,448
10-11	2008	57,488,230	55,893,651	59,082,808
9-10	2009	63,525,141	62,094,883	64,955,398
8-9	2010	58,591,251	56,160,826	61,021,676
7-8	2011	56,794,177	53,598,228	59,990,126
6-7	2012	52,036,743	49,620,547	54,452,939
5-6	2013	57,193,076	53,493,987	60,892,164
4-5	2014	47,214,685	43,290,573	51,138,797
3-4	2015	57,357,731	51,244,111	63,471,351
2-3	2016	48,693,985	47,260,893	50,127,076
1-2	2017	52,408,575	45,397,897	59,419,252



INDEMNITY

Policy Year	Ultimate Loss Ratio (Avg Pd & Inc)	Ultimate Loss Ratio (Incur)	Ultimate Loss Ratio (Pd-29)
1989	0.5660	0.5660	0.5660
1990	0.6137	0.6164	0.6111
1991	0.5718	0.5698	0.5739
1992	0.5643	0.5572	0.5714
1993	0.6025	0.5976	0.6074
1994	0.4747	0.4740	0.4753
1995	0.4823	0.4827	0.4819
1996	0.5348	0.5298	0.5399
1997	0.5451	0.5452	0.5449
1998	0.4735	0.4655	0.4815
1999	0.5162	0.5027	0.5297
2000	0.5919	0.5837	0.6001
2001	0.4828	0.4751	0.4904
2002	0.4926	0.4852	0.5000
2003	0.4510	0.4442	0.4578
2004	0.3966	0.3871	0.4062
2005	0.3567	0.3461	0.3673
2006	0.3593	0.3500	0.3687
2007	0.3370	0.3294	0.3446
2008	0.3155	0.3067	0.3242
2009	0.3509	0.3430	0.3588
2010	0.3324	0.3186	0.3462
2011	0.3212	0.3032	0.3393
2012	0.3140	0.2994	0.3286
2013	0.3606	0.3373	0.3839
2014	0.2998	0.2749	0.3247
2015	0.3330	0.2975	0.3685
2016	0.2622	0.2544	0.2699
2017	0.2567	0.2223	0.2910

INDEMNITY FREQUENCY

Policy Year	Claim Frequency	Normalized Frequency	Trend Factor to 1/1/18	Selected Ann Trend	Trend Period # Years	Trend 1/1/18-12/1/20	Combined Trend Factor
				-5.0%	1		
				-5.0%	1		
				-5.0%	1		
				-5.0%	0.9167		
2005	11.55	1.0000					
2006	10.86	0.9403					
2007	10.09	0.8736					
2008	8.94	0.7740					
2009	8.91	0.7714					
2010	8.89	0.7697					
2011	8.33	0.7212					
2012	7.48	0.6476					
2013	7.80	0.6753					
2014	6.70	0.5801	0.8581			0.8618	0.7395
2015	7.02	0.6078	0.9030			0.8618	0.7782
2016	6.13	0.5307	0.9503			0.8618	0.8189
2017*	6.12	0.5299	1.0000			0.8618	0.8618

\* Adjusted to a full Policy Year

INDEMNITY SEVERITY RATIOS

Policy Year	Ultimate Severity Ratio (Average)	Ultimate Severity Ratio (Incur)	Ultimate Severity Ratio (Pd-29)
2005	0.3567	0.3461	0.3673
2006	0.3821	0.3722	0.3921
2007	0.3858	0.3771	0.3945
2008	0.4076	0.3962	0.4188
2009	0.4549	0.4446	0.4651
2010	0.4319	0.4139	0.4498
2011	0.4454	0.4204	0.4705
2012	0.4849	0.4623	0.5074
2013	0.5340	0.4995	0.5685
2014	0.5168	0.4739	0.5597
2015	0.5479	0.4895	0.6063
2016	0.4940	0.4793	0.5085
2017	0.4845	0.4195	0.5492

INDEMNITY Linear FITTED	Policy Year	Severity Ratio (Average)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	2014	0.5334	0.4916	0.5753
	2015	0.5183	0.4742	0.5624
	2016	0.5033	0.4569	0.5495
	2017	0.4882	0.4395	0.5365
5 Point	2013	0.5398	0.5033	0.5764
	2014	0.5276	0.4878	0.5674
	2015	0.5154	0.4723	0.5584
	2016	0.5033	0.4569	0.5495
	2017	0.4911	0.4414	0.5405
6 Point	2012	0.5168	0.4892	0.5445
	2013	0.5142	0.4818	0.5467
	2014	0.5116	0.4744	0.5489
	2015	0.5091	0.4670	0.5510
	2016	0.5065	0.4596	0.5532
	2017	0.5039	0.4522	0.5553
7 Point	2011	0.4851	0.4612	0.5090
	2012	0.4904	0.4620	0.5189
	2013	0.4957	0.4627	0.5287
	2014	0.5011	0.4635	0.5386
	2015	0.5064	0.4642	0.5484
	2016	0.5117	0.4650	0.5583
	2017	0.5171	0.4658	0.5682
8 Point	2010	0.4598	0.4411	0.4786
	2011	0.4691	0.4457	0.4926
	2012	0.4784	0.4503	0.5065
	2013	0.4878	0.4550	0.5205
	2014	0.4971	0.4596	0.5345
	2015	0.5064	0.4642	0.5484
	2016	0.5157	0.4689	0.5624
	2017	0.5251	0.4735	0.5764
9 Point	2009	0.4521	0.4395	0.4648
	2010	0.4612	0.4436	0.4787
	2011	0.4702	0.4477	0.4927
	2012	0.4792	0.4518	0.5066
	2013	0.4883	0.4559	0.5206
	2014	0.4973	0.4600	0.5345
	2015	0.5063	0.4641	0.5484
	2016	0.5153	0.4682	0.5624
	2017	0.5244	0.4723	0.5763
10 Point	2008	0.4309	0.4219	0.4398
	2009	0.4418	0.4281	0.4555
	2010	0.4528	0.4343	0.4712
	2011	0.4637	0.4406	0.4868
	2012	0.4747	0.4468	0.5025
	2013	0.4857	0.4530	0.5182
	2014	0.4966	0.4593	0.5339
	2015	0.5076	0.4655	0.5496
	2016	0.5186	0.4717	0.5653
	2017	0.5295	0.4780	0.5810

INDEMNITY Linear <b>TRENDED</b>		Severity Ratio (Average)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	Fitted	0.4442	0.3890	0.4988
5 Point	Fitted	0.4556	0.3963	0.5143
6 Point	Fitted	0.4963	0.4306	0.5616
7 Point	Fitted	0.5326	0.4680	0.5969
8 Point	Fitted	0.5522	0.4871	0.6171
9 Point	Fitted	0.5507	0.4842	0.6170
10 Point	Fitted	0.5615	0.4961	0.6267

  

INDEMNITY Linear <b>Severity Trend Factor</b>		Sev Trend Factor (Average)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-29)
4 Point	2014	0.8327	0.7913	0.8670
	2015	0.8570	0.8202	0.8870
	2016	0.8826	0.8513	0.9078
	2017	0.9099	0.8849	0.9297
5 Point	2014	0.8634	0.8125	0.9064
	2015	0.8838	0.8391	0.9209
	2016	0.9052	0.8675	0.9360
	2017	0.9277	0.8978	0.9515
6 Point	2014	0.9700	0.9077	1.0233
	2015	0.9749	0.9221	1.0193
	2016	0.9799	0.9369	1.0153
	2017	0.9850	0.9523	1.0113
7 Point	2014	1.0630	1.0097	1.1083
	2015	1.0518	1.0081	1.0884
	2016	1.0408	1.0064	1.0692
	2017	1.0301	1.0048	1.0506
8 Point	2014	1.1110	1.0597	1.1547
	2015	1.0905	1.0491	1.1253
	2016	1.0708	1.0388	1.0973
	2017	1.0518	1.0286	1.0707
9 Point	2014	1.1074	1.0527	1.1543
	2015	1.0877	1.0434	1.1250
	2016	1.0686	1.0342	1.0971
	2017	1.0502	1.0253	1.0705
10 Point	2014	1.1306	1.0803	1.1739
	2015	1.1062	1.0658	1.1403
	2016	1.0828	1.0517	1.1087
	2017	1.0604	1.0380	1.0788

INDEMNITY Expon'l FITTED	Policy Year	Severity Ratio (Average)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	2014	0.5335	0.4925	0.5745
	2015	0.5179	0.4738	0.5613
	2016	0.5027	0.4558	0.5484
	2017	0.4880	0.4385	0.5358
5 Point	2013	0.5402	0.5044	0.5763
	2014	0.5274	0.4877	0.5668
	2015	0.5149	0.4715	0.5575
	2016	0.5027	0.4558	0.5484
	2017	0.4908	0.4407	0.5394
6 Point	2012	0.5163	0.4897	0.5433
	2013	0.5137	0.4817	0.5455
	2014	0.5111	0.4738	0.5477
	2015	0.5085	0.4661	0.5500
	2016	0.5059	0.4585	0.5522
	2017	0.5033	0.4510	0.5544
7 Point	2011	0.4834	0.4603	0.5071
	2012	0.4889	0.4610	0.5169
	2013	0.4944	0.4618	0.5268
	2014	0.5000	0.4625	0.5369
	2015	0.5057	0.4633	0.5472
	2016	0.5114	0.4640	0.5577
	2017	0.5172	0.4648	0.5684
8 Point	2010	0.4582	0.4399	0.4771
	2011	0.4673	0.4445	0.4903
	2012	0.4767	0.4491	0.5040
	2013	0.4861	0.4538	0.5180
	2014	0.4958	0.4585	0.5324
	2015	0.5057	0.4633	0.5472
	2016	0.5158	0.4681	0.5624
	2017	0.5260	0.4730	0.5781
9 Point	2009	0.4514	0.4389	0.4645
	2010	0.4600	0.4428	0.4774
	2011	0.4688	0.4468	0.4906
	2012	0.4777	0.4508	0.5042
	2013	0.4868	0.4548	0.5181
	2014	0.4961	0.4589	0.5325
	2015	0.5056	0.4631	0.5472
	2016	0.5152	0.4672	0.5623
	2017	0.5250	0.4714	0.5779
10 Point	2008	0.4304	0.4212	0.4402
	2009	0.4406	0.4271	0.4543
	2010	0.4510	0.4331	0.4688
	2011	0.4617	0.4393	0.4838
	2012	0.4727	0.4455	0.4993
	2013	0.4839	0.4518	0.5153
	2014	0.4953	0.4582	0.5317
	2015	0.5071	0.4646	0.5487
	2016	0.5191	0.4712	0.5663
	2017	0.5314	0.4779	0.5844

INDEMNITY Expon'l <b>TRENDED</b>		Severity Ratio (Average)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	Fitted	0.4475	0.3917	0.5006
5 Point	Fitted	0.4577	0.3993	0.5141
6 Point	Fitted	0.4958	0.4298	0.5610
7 Point	Fitted	0.5345	0.4670	0.6009
8 Point	Fitted	0.5572	0.4874	0.6262
9 Point	Fitted	0.5547	0.4839	0.6258
10 Point	Fitted	0.5690	0.4978	0.6405

  

INDEMNITY Expon'l <b>Severity Trend Factor</b>		Sev Trend Factor (Average)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-29)
4 Point	2014	0.8388	0.7954	0.8714
	2015	0.8641	0.8268	0.8919
	2016	0.8901	0.8594	0.9129
	2017	0.9170	0.8933	0.9344
5 Point	2014	0.8678	0.8189	0.9070
	2015	0.8888	0.8470	0.9221
	2016	0.9104	0.8761	0.9374
	2017	0.9325	0.9062	0.9530
6 Point	2014	0.9701	0.9070	1.0242
	2015	0.9751	0.9221	1.0200
	2016	0.9801	0.9374	1.0159
	2017	0.9852	0.9530	1.0118
7 Point	2014	1.0689	1.0097	1.1191
	2015	1.0569	1.0080	1.0981
	2016	1.0451	1.0064	1.0774
	2017	1.0334	1.0048	1.0571
8 Point	2014	1.1237	1.0631	1.1762
	2015	1.1018	1.0522	1.1444
	2016	1.0803	1.0413	1.1134
	2017	1.0592	1.0306	1.0833
9 Point	2014	1.1182	1.0544	1.1753
	2015	1.0973	1.0450	1.1437
	2016	1.0768	1.0357	1.1129
	2017	1.0566	1.0264	1.0829
10 Point	2014	1.1486	1.0866	1.2046
	2015	1.1221	1.0714	1.1673
	2016	1.0961	1.0565	1.1311
	2017	1.0707	1.0418	1.0961

INDEMNITY Linear LR Trend Factor		LR Trend Factor (Average)	LR Trend Factor (Incur)	LR Trend Factor (Pd-29)
4 Point	2014	0.6158	0.5852	0.6411
	2015	0.6669	0.6383	0.6903
	2016	0.7228	0.6971	0.7434
	2017	0.7842	0.7626	0.8012
5 Point	2014	0.6385	0.6008	0.6703
	2015	0.6878	0.6530	0.7166
	2016	0.7413	0.7104	0.7665
	2017	0.7995	0.7737	0.8200
6 Point	2014	0.7173	0.6712	0.7567
	2015	0.7587	0.7176	0.7932
	2016	0.8024	0.7672	0.8314
	2017	0.8489	0.8207	0.8715
7 Point	2014	0.7861	0.7467	0.8196
	2015	0.8185	0.7845	0.8470
	2016	0.8523	0.8241	0.8756
	2017	0.8877	0.8659	0.9054
8 Point	2014	0.8216	0.7836	0.8539
	2015	0.8486	0.8164	0.8757
	2016	0.8769	0.8507	0.8986
	2017	0.9064	0.8864	0.9227
9 Point	2014	0.8189	0.7785	0.8536
	2015	0.8464	0.8120	0.8755
	2016	0.8751	0.8469	0.8984
	2017	0.9051	0.8836	0.9226
10 Point	2014	0.8361	0.7989	0.8681
	2015	0.8608	0.8294	0.8874
	2016	0.8867	0.8612	0.9079
	2017	0.9139	0.8945	0.9297

INDEMNITY Expon'l LR Trend Factor		LR Trend Factor (Average)	LR Trend Factor (Incur)	LR Trend Factor (Pd-29)
4 Point	2014	0.6203	0.5882	0.6444
	2015	0.6724	0.6434	0.6941
	2016	0.7289	0.7038	0.7476
	2017	0.7903	0.7698	0.8053
5 Point	2014	0.6417	0.6056	0.6707
	2015	0.6917	0.6591	0.7176
	2016	0.7455	0.7174	0.7676
	2017	0.8036	0.7810	0.8213
6 Point	2014	0.7174	0.6707	0.7574
	2015	0.7588	0.7176	0.7938
	2016	0.8026	0.7676	0.8319
	2017	0.8490	0.8213	0.8720
7 Point	2014	0.7905	0.7467	0.8276
	2015	0.8225	0.7844	0.8545
	2016	0.8558	0.8241	0.8823
	2017	0.8906	0.8659	0.9110
8 Point	2014	0.8310	0.7862	0.8698
	2015	0.8574	0.8188	0.8906
	2016	0.8847	0.8527	0.9118
	2017	0.9128	0.8882	0.9336
9 Point	2014	0.8269	0.7797	0.8691
	2015	0.8539	0.8132	0.8900
	2016	0.8818	0.8481	0.9114
	2017	0.9106	0.8846	0.9332
10 Point	2014	0.8494	0.8035	0.8908
	2015	0.8732	0.8338	0.9084
	2016	0.8976	0.8652	0.9263
	2017	0.9227	0.8978	0.9446

INDEMNITY Linear <b>TRENDED LR</b>	Base Policy Year	Trended LR (Average)	Trended LR (Incur)	Trended LR (Pd-29)
4 Point	2014	0.1846	0.1609	0.2082
	2015	0.2221	0.1899	0.2544
	2016	0.1895	0.1773	0.2006
	2017	0.2013	0.1695	0.2331
	4 Yr Ave	0.1994	0.1744	0.2241
5 Point	2014	0.1914	0.1652	0.2176
	2015	0.2290	0.1943	0.2641
	2016	0.1944	0.1807	0.2069
	2017	0.2052	0.1720	0.2386
	4 Yr Ave	0.2050	0.1781	0.2318
6 Point	2014	0.2150	0.1845	0.2457
	2015	0.2526	0.2135	0.2923
	2016	0.2104	0.1952	0.2244
	2017	0.2179	0.1824	0.2536
	4 Yr Ave	0.2240	0.1939	0.2540
7 Point	2014	0.2357	0.2053	0.2661
	2015	0.2726	0.2334	0.3121
	2016	0.2235	0.2097	0.2363
	2017	0.2279	0.1925	0.2635
	4 Yr Ave	0.2399	0.2102	0.2695
8 Point	2014	0.2463	0.2154	0.2773
	2015	0.2826	0.2429	0.3227
	2016	0.2299	0.2164	0.2425
	2017	0.2327	0.1970	0.2685
	4 Yr Ave	0.2479	0.2179	0.2778
9 Point	2014	0.2455	0.2140	0.2772
	2015	0.2819	0.2416	0.3226
	2016	0.2295	0.2155	0.2425
	2017	0.2323	0.1964	0.2685
	4 Yr Ave	0.2473	0.2169	0.2777
10 Point	2014	0.2507	0.2196	0.2819
	2015	0.2866	0.2467	0.3270
	2016	0.2325	0.2191	0.2450
	2017	0.2346	0.1988	0.2705
	4 Yr Ave	0.2511	0.2211	0.2811



INDEMNITY Expon'l TRENDED LR	Base Policy Year	Trended LR (Average)	Trended LR (Incur)	Trended LR (Pd-29)
4 Point	2014	0.1860	0.1617	0.2092
	2015	0.2239	0.1914	0.2558
	2016	0.1911	0.1790	0.2018
	2017	0.2029	0.1711	0.2343
	4 Yr Ave	0.2010	0.1758	0.2253
5 Point	2014	0.1924	0.1665	0.2178
	2015	0.2303	0.1961	0.2644
	2016	0.1955	0.1825	0.2072
	2017	0.2063	0.1736	0.2390
	4 Yr Ave	0.2061	0.1797	0.2321
6 Point	2014	0.2151	0.1844	0.2459
	2015	0.2527	0.2135	0.2925
	2016	0.2104	0.1953	0.2245
	2017	0.2179	0.1826	0.2538
	4 Yr Ave	0.2240	0.1940	0.2542
7 Point	2014	0.2370	0.2053	0.2687
	2015	0.2739	0.2334	0.3149
	2016	0.2244	0.2097	0.2381
	2017	0.2286	0.1925	0.2651
	4 Yr Ave	0.2410	0.2102	0.2717
8 Point	2014	0.2491	0.2161	0.2824
	2015	0.2855	0.2436	0.3282
	2016	0.2320	0.2169	0.2461
	2017	0.2343	0.1974	0.2717
	4 Yr Ave	0.2502	0.2185	0.2821
9 Point	2014	0.2479	0.2143	0.2822
	2015	0.2843	0.2419	0.3280
	2016	0.2312	0.2158	0.2460
	2017	0.2338	0.1966	0.2716
	4 Yr Ave	0.2493	0.2172	0.2820
10 Point	2014	0.2547	0.2209	0.2892
	2015	0.2908	0.2481	0.3347
	2016	0.2354	0.2201	0.2500
	2017	0.2369	0.1996	0.2749
	4 Yr Ave	0.2545	0.2222	0.2872

MEDICAL Reported	Incurred LDF 11-12	Incurred LDF 12-13	Incurred LDF 13-14	Incurred LDF 14-15	Incurred LDF 15-16	Incurred LDF 16-17	Incurred LDF 17-18	4 Year Average LDF
Beyond	1.0587	1.0636	1.0622	0.9599	0.9074	0.9954	0.9719	0.9587
28-29				1.0035	1.0086	1.0038	0.9863	1.0006
27-28			1.0019	1.0061	0.9998	0.9999	1.0110	1.0042
26-27		0.9846	1.0129	1.0031	0.9886	0.9909	1.0087	0.9978
25-26	1.0007	1.0244	0.9842	1.0103	1.0043	1.0008	1.0223	1.0094
24-25	1.0196	1.0052	0.9861	1.0203	0.9924	0.9955	1.0010	1.0023
23-24	1.0049	1.0566	1.0133	1.0006	1.0085	0.9928	0.9759	0.9945
22-23	1.0094	1.0104	0.9842	1.0107	0.9937	0.9982	0.9952	0.9995
21-22	1.0127	0.9927	0.9318	0.9982	0.9933	0.9477	1.0035	0.9857
20-21	1.0175	1.0013	1.0179	0.9973	1.0001	0.9944	1.0010	0.9982
19-20	1.0155	0.9867	0.9828	0.9997	0.9841	1.0012	1.0040	0.9973
18-19	0.9882	0.9953	0.9904	1.0070	0.9896	0.9913	0.9954	0.9958
17-18	0.9887	0.9847	0.9797	0.9936	1.0078	1.0035	0.9755	0.9951
16-17	1.0277	1.0197	0.9983	0.9963	0.9894	1.0085	0.9996	0.9985
15-16	1.0160	1.0151	0.9992	1.0075	0.9971	0.9901	1.0093	1.0010
14-15	1.0108	1.0123	0.9713	0.9861	1.0110	1.0208	0.9963	1.0036
13-14	0.9971	1.0003	0.9885	1.0100	1.0028	0.9876	1.0092	1.0024
12-13	1.0010	1.0044	0.9884	1.0119	1.0058	1.0373	1.0028	1.0145
11-12	1.0252	1.0012	1.0599	1.0032	1.0143	0.9591	0.9970	0.9934
10-11	1.0138	0.9795	1.0188	1.0157	1.0052	0.9847	0.9963	1.0005
9-10	1.0855	1.0180	1.0107	1.0175	1.0046	0.9796	0.9997	1.0004
8-9	1.0421	0.9818	1.0283	0.9919	1.0083	0.9885	1.0156	1.0011
7-8	1.0036	1.0092	1.0567	1.0120	1.0332	1.0105	1.0122	1.0170
6-7	0.9614	1.0346	1.0181	1.0223	1.0018	1.0150	0.9933	1.0081
5-6	1.0404	1.0313	1.0743	0.9607	1.0314	0.9999	1.0151	1.0018
4-5	1.0097	1.0496	1.0979	1.0255	1.0090	0.9798	0.9940	1.0021
3-4	1.0764	1.0675	1.0640	1.0007	1.0250	1.0368	1.0217	1.0211
2-3	1.2204	1.1307	1.0982	1.1045	1.0970	1.0218	0.9428	1.0415
1-2	1.1901	1.1760	1.2318	1.2074	1.1074	1.0761	1.1304	1.1303

MEDICAL Reported	Paid LDF 11-12	Paid LDF 12-13	Paid LDF 13-14	Paid LDF 14-15	Paid LDF 15-16	Paid LDF 16-17	Paid LDF 17-18	4 Year Average LDF
28-29				1.0034	1.0124	1.0010	1.0037	1.0051
27-28			1.0033	1.0084	1.0025	1.0201	1.0080	1.0098
26-27		1.0086	1.0092	1.0048	1.0045	1.0060	1.0060	1.0053
25-26	1.0024	1.0283	1.0139	1.0222	1.0039	1.0029	1.0069	1.0090
24-25	1.0218	1.0075	1.0209	1.0075	1.0018	1.0069	1.0103	1.0066
23-24	1.0067	1.0151	1.0082	1.0088	1.0143	1.0045	1.0047	1.0081
22-23	1.0167	1.0176	1.0072	1.0176	1.0064	1.0062	1.0026	1.0082
21-22	1.0079	1.0061	1.0165	1.0082	1.0097	1.0028	1.0048	1.0064
20-21	1.0052	1.0250	1.0171	1.0044	1.0053	1.0054	1.0035	1.0047
19-20	1.0198	1.0111	1.0183	1.0040	1.0080	1.0033	1.0022	1.0044
18-19	1.0115	1.0098	1.0103	1.0128	1.0138	1.0102	1.0067	1.0109
17-18	1.0115	1.0215	1.0131	1.0059	1.0079	1.0016	1.0032	1.0047
16-17	1.0084	1.0222	1.0162	1.0079	1.0034	1.0034	1.0051	1.0050
15-16	1.0363	1.0133	1.0034	1.0094	1.0050	1.0078	1.0124	1.0087
14-15	1.0119	1.0078	1.0075	1.0160	1.0182	1.0112	1.0095	1.0137
13-14	1.0078	1.0109	1.0164	1.0085	1.0133	1.0176	1.0129	1.0131
12-13	1.0127	1.0278	1.0163	1.0359	1.0129	1.0102	1.0062	1.0163
11-12	1.0316	1.0184	1.0672	1.0138	1.0145	1.0104	1.0112	1.0125
10-11	1.0195	1.0360	1.0250	1.0221	1.0269	1.0127	1.0074	1.0173
9-10	1.0240	1.0318	1.0235	1.0128	1.0273	1.0240	1.0197	1.0210
8-9	1.0333	1.0221	1.0230	1.0305	1.0216	1.0149	1.0248	1.0230
7-8	1.0233	1.0316	1.0386	1.0242	1.0297	1.0314	1.0251	1.0276
6-7	1.0104	1.0402	1.0316	1.0394	1.0465	1.0287	1.0171	1.0329
5-6	1.0603	1.0425	1.0491	1.0659	1.0347	1.0394	1.0240	1.0410
4-5	1.0509	1.0862	1.0551	1.0572	1.0137	1.0454	1.0442	1.0401
3-4	1.0798	1.1011	1.1301	1.0636	1.0646	1.0537	1.0423	1.0561
2-3	1.1790	1.1775	1.1140	1.1379	1.1507	1.1136	1.0947	1.1242
1-2	1.3999	1.3502	1.3516	1.3671	1.3602	1.3716	1.3757	1.3687

MEDICAL Reported	Pd-Incur LDF 11-12	Pd-Incur LDF 12-13	Pd-Incur LDF 13-14	Pd-Incur LDF 14-15	Pd-Incur LDF 15-16	Pd-Incur LDF 16-17	Pd-Incur LDF 17-18	4 Year Average LDF
28-29				1.0479	1.1910	1.0262	1.1018	1.0917
27-28			1.0505	1.1908	1.0249	1.1395	1.1292	1.1211
26-27		1.0572	1.1878	1.0301	1.1447	1.1235	1.0511	1.0874
25-26	1.0762	1.2172	1.0394	1.1836	1.1374	1.0450	1.1253	1.1228
24-25	1.2141	1.0646	1.1999	1.1410	1.0459	1.1080	1.0905	1.0964
23-24	1.0654	1.2291	1.1164	1.0633	1.1287	1.0940	1.1093	1.0988
22-23	1.1826	1.1331	1.0737	1.1389	1.1089	1.1432	1.0692	1.1151
21-22	1.1302	1.0913	1.1516	1.1250	1.1563	1.0770	1.1268	1.1213
20-21	1.1049	1.2535	1.1487	1.1693	1.1425	1.1286	1.1271	1.1419
19-20	1.2763	1.1362	1.2071	1.1469	1.1437	1.1292	1.0369	1.1142
18-19	1.1643	1.2214	1.1775	1.1771	1.1433	1.0429	1.0387	1.1005
17-18	1.2406	1.1919	1.1766	1.1622	1.0603	1.0450	1.0625	1.0825
16-17	1.2155	1.2306	1.1846	1.0604	1.0447	1.0926	1.1067	1.0761
15-16	1.2495	1.2097	1.0672	1.0659	1.0887	1.1153	1.1552	1.1063
14-15	1.2047	1.0750	1.0677	1.1093	1.1467	1.1570	1.1219	1.1337
13-14	1.0752	1.1000	1.1408	1.1438	1.1484	1.1453	1.1607	1.1496
12-13	1.1124	1.1888	1.1224	1.1863	1.1739	1.1783	1.1110	1.1624
11-12	1.2287	1.1766	1.2613	1.1832	1.1522	1.1199	1.1159	1.1428
10-11	1.1980	1.2136	1.2023	1.1611	1.1905	1.1343	1.1172	1.1508
9-10	1.2651	1.2199	1.1752	1.1995	1.1822	1.1474	1.1509	1.1700
8-9	1.2379	1.1824	1.1855	1.2127	1.1965	1.1682	1.1529	1.1826
7-8	1.2323	1.2115	1.2673	1.2153	1.2167	1.1688	1.1988	1.1999
6-7	1.2129	1.2503	1.2266	1.2240	1.2102	1.2175	1.1276	1.1948
5-6	1.2649	1.2662	1.2548	1.2877	1.2409	1.1779	1.1184	1.2062
4-5	1.2903	1.2681	1.4137	1.2720	1.1936	1.1521	1.1423	1.1900
3-4	1.3077	1.4215	1.3677	1.2582	1.2510	1.2105	1.3706	1.2726
2-3	1.5699	1.5470	1.3944	1.3887	1.3426	1.4931	1.3824	1.4017
1-2	1.9154	1.7218	1.6947	1.6732	1.9811	2.0092	1.9771	1.9102

MEDICAL Adjustment Factor	Incurred LDF 11-12	Incurred LDF 12-13	Incurred LDF 13-14	Incurred LDF 14-15	Incurred LDF 15-16	Incurred LDF 16-17	Incurred LDF 17-18
Beyond	1.0266	1.0343	1.0470	1.0625	1.0449	1.1581	0.9791
28-29				1.0085	1.0357	1.0144	0.9903
27-28			1.0022	1.0225	1.0052	1.0487	1.0133
26-27		0.9930	1.0084	1.0063	1.0187	1.0392	1.0110
25-26	1.0003	1.0101	0.9944	1.0254	1.0251	1.0192	1.0221
24-25	1.0075	1.0026	0.9995	1.0236	1.0048	1.0359	1.0032
23-24	1.0020	1.0194	1.0076	1.0094	1.0263	1.0303	0.9821
22-23	1.0034	1.0047	0.9955	1.0208	1.0162	1.0476	0.9972
21-22	1.0048	0.9976	0.9821	1.0135	1.0227	0.9982	1.0056
20-21	1.0068	1.0016	1.0089	1.0158	1.0230	1.0401	1.0036
19-20	1.0045	0.9963	0.9990	1.0146	1.0171	1.0442	1.0047
18-19	0.9961	0.9996	1.0005	1.0202	1.0200	1.0113	0.9968
17-18	0.9969	0.9965	0.9982	1.0142	1.0147	1.0187	0.9823
16-17	1.0079	1.0058	1.0030	1.0069	1.0041	1.0352	1.0021
15-16	1.0039	1.0048	1.0011	1.0107	1.0135	1.0331	1.0090
14-15	1.0028	1.0039	0.9939	1.0101	1.0273	1.0549	1.0001
13-14	0.9992	1.0007	1.0003	1.0167	1.0231	1.0397	1.0088
12-13	1.0002	1.0019	0.9999	1.0239	1.0271	1.0659	1.0042
11-12	1.0051	1.0011	1.0154	1.0183	1.0265	1.0220	1.0007
10-11	1.0028	0.9974	1.0069	1.0204	1.0295	1.0344	1.0003
9-10	1.0151	1.0042	1.0049	1.0208	1.0276	1.0356	1.0025
8-9	1.0074	0.9979	1.0074	1.0204	1.0277	1.0411	1.0088
7-8	1.0006	1.0023	1.0103	1.0207	1.0308	1.0446	1.0079
6-7	0.9946	1.0049	1.0048	1.0222	1.0289	1.0551	0.9995
5-6	1.0045	1.0032	1.0052	1.0278	1.0322	1.0450	1.0076
4-5	1.0006	1.0021	1.0057	1.0265	1.0241	1.0352	1.0006
3-4	1.0010	1.0017	1.0066	1.0265	1.0345	1.0501	1.0073
2-3	1.0000	1.0024	1.0065	1.0413	1.0468	1.0822	1.0003
1-2	1.0001	1.0035	1.0106	1.0701	1.0755	1.1178	1.0088

MEDICAL Adjustment Factor	Paid LDF 11-12	Paid LDF 12-13	Paid LDF 13-14	Paid LDF 14-15	Paid LDF 15-16	Paid LDF 16-17	Paid LDF 17-18
28-29				1.0032	1.0124	1.0013	1.0041
27-28			1.0020	1.0073	1.0025	1.0227	1.0096
26-27		1.0046	1.0048	1.0042	1.0040	1.0071	1.0073
25-26	1.0013	1.0139	1.0073	1.0175	1.0037	1.0035	1.0074
24-25	1.0107	1.0036	1.0097	1.0062	1.0018	1.0074	1.0116
23-24	1.0032	1.0066	1.0041	1.0074	1.0123	1.0051	1.0051
22-23	1.0071	1.0080	1.0035	1.0132	1.0056	1.0068	1.0028
21-22	1.0035	1.0027	1.0071	1.0063	1.0082	1.0030	1.0049
20-21	1.0022	1.0099	1.0075	1.0033	1.0045	1.0054	1.0036
19-20	1.0077	1.0046	1.0076	1.0029	1.0062	1.0034	1.0022
18-19	1.0044	1.0037	1.0041	1.0085	1.0111	1.0103	1.0067
17-18	1.0041	1.0079	1.0047	1.0041	1.0063	1.0016	1.0029
16-17	1.0030	1.0072	1.0061	1.0054	1.0025	1.0031	1.0047
15-16	1.0114	1.0046	1.0013	1.0060	1.0035	1.0070	1.0101
14-15	1.0039	1.0025	1.0024	1.0093	1.0128	1.0091	1.0080
13-14	1.0025	1.0033	1.0048	1.0050	1.0082	1.0147	1.0105
12-13	1.0036	1.0072	1.0048	1.0187	1.0084	1.0083	1.0048
11-12	1.0079	1.0049	1.0170	1.0075	1.0090	1.0080	1.0079
10-11	1.0049	1.0084	1.0065	1.0114	1.0157	1.0088	1.0047
9-10	1.0054	1.0072	1.0056	1.0062	1.0143	1.0151	1.0107
8-9	1.0073	1.0046	1.0049	1.0133	1.0100	1.0080	1.0122
7-8	1.0046	1.0057	1.0067	1.0091	1.0111	1.0155	1.0124
6-7	1.0018	1.0059	1.0038	1.0115	1.0160	1.0143	1.0085
5-6	1.0083	1.0039	1.0027	1.0176	1.0120	1.0197	1.0104
4-5	1.0042	1.0024	1.0023	1.0152	1.0048	1.0199	1.0151
3-4	1.0013	1.0013	1.0049	1.0167	1.0193	1.0187	1.0087
2-3	1.0000	1.0020	1.0043	1.0320	1.0332	1.0233	1.0097
1-2	1.0000	1.0035	1.0087	1.0645	1.0334	1.0387	1.0110

MEDICAL Adjustment Factor	Pd-Incur LDF 11-12	Pd-Incur LDF 12-13	Pd-Incur LDF 13-14	Pd-Incur LDF 14-15	Pd-Incur LDF 15-16	Pd-Incur LDF 16-17	Pd-Incur LDF 17-18
28-29				1.0321	1.1304	1.0321	1.1035
27-28			1.0269	1.0994	1.0200	1.1394	1.1386
26-27		1.0293	1.0781	1.0190	1.0909	1.1313	1.0600
25-26	1.0379	1.0878	1.0192	1.0896	1.0923	1.0520	1.1215
24-25	1.0883	1.0290	1.0741	1.0721	1.0340	1.1050	1.0944
23-24	1.0291	1.0800	1.0477	1.0366	1.0797	1.0961	1.1078
22-23	1.0670	1.0524	1.0320	1.0659	1.0698	1.1351	1.0712
21-22	1.0512	1.0372	1.0534	1.0594	1.0924	1.0771	1.1138
20-21	1.0420	1.0800	1.0538	1.0716	1.0839	1.1132	1.1166
19-20	1.0867	1.0476	1.0664	1.0626	1.0767	1.1160	1.0365
18-19	1.0561	1.0669	1.0566	1.0676	1.0805	1.0420	1.0371
17-18	1.0716	1.0586	1.0496	1.0636	1.0367	1.0419	1.0542
16-17	1.0643	1.0597	1.0540	1.0272	1.0253	1.0762	1.0882
15-16	1.0655	1.0572	1.0213	1.0273	1.0432	1.0931	1.1106
14-15	1.0561	1.0223	1.0194	1.0389	1.0714	1.1105	1.0919
13-14	1.0223	1.0263	1.0330	1.0482	1.0613	1.1074	1.1137
12-13	1.0290	1.0405	1.0300	1.0567	1.0737	1.1227	1.0779
11-12	1.0482	1.0388	1.0511	1.0533	1.0625	1.0823	1.0740
10-11	1.0428	1.0407	1.0399	1.0469	1.0730	1.0833	1.0672
9-10	1.0486	1.0406	1.0325	1.0487	1.0620	1.0825	1.0722
8-9	1.0438	1.0313	1.0299	1.0472	1.0558	1.0779	1.0664
7-8	1.0382	1.0310	1.0328	1.0366	1.0469	1.0727	1.0841
6-7	1.0304	1.0286	1.0187	1.0272	1.0433	1.0907	1.0572
5-6	1.0306	1.0183	1.0077	1.0318	1.0461	1.0778	1.0472
4-5	1.0193	1.0049	1.0062	1.0288	1.0364	1.0600	1.0445
3-4	1.0041	1.0017	1.0070	1.0289	1.0437	1.0634	1.0578
2-3	1.0000	1.0024	1.0064	1.0412	1.0463	1.0744	1.0312
1-2	1.0000	1.0035	1.0087	1.0639	1.0260	1.0707	1.0199

MEDICAL Adjusted	Incurred LDF 11-12	Incurred LDF 12-13	Incurred LDF 13-14	Incurred LDF 14-15	Incurred LDF 15-16	Incurred LDF 16-17	Incurred LDF 17-18	4 Year Average LDF	Selected Incurred LDF
Beyond	1.0869	1.1001	1.1121	1.0199	0.9481	1.1528	0.9516	1.0181	1.0292
28-29				1.0120	1.0446	1.0183	0.9767	1.0129	1.0160
27-28			1.0041	1.0287	1.0050	1.0486	1.0244	1.0267	1.0161
26-27		0.9777	1.0214	1.0094	1.0071	1.0297	1.0198	1.0165	1.0162
25-26	1.0010	1.0347	0.9787	1.0360	1.0295	1.0200	1.0449	1.0326	1.0163
24-25	1.0272	1.0078	0.9856	1.0444	0.9972	1.0312	1.0042	1.0192	1.0165
23-24	1.0069	1.0771	1.0210	1.0100	1.0350	1.0229	0.9584	1.0066	1.0166
22-23	1.0128	1.0151	0.9798	1.0317	1.0098	1.0457	0.9924	1.0199	1.0168
21-22	1.0176	0.9903	0.9151	1.0117	1.0158	0.9460	1.0091	0.9957	1.0170
20-21	1.0244	1.0029	1.0270	1.0131	1.0231	1.0343	1.0046	1.0188	1.0172
19-20	1.0201	0.9830	0.9818	1.0143	1.0009	1.0455	1.0087	1.0173	1.0174
18-19	0.9843	0.9949	0.9909	1.0273	1.0094	1.0025	0.9922	1.0079	1.0176
17-18	0.9856	0.9813	0.9779	1.0077	1.0226	1.0223	0.9582	1.0027	1.0179
16-17	1.0358	1.0256	1.0013	1.0032	0.9935	1.0440	1.0017	1.0106	1.0182
15-16	1.0200	1.0200	1.0003	1.0183	1.0106	1.0229	1.0184	1.0175	1.0186
14-15	1.0136	1.0162	0.9654	0.9961	1.0386	1.0768	0.9964	1.0270	1.0190
13-14	0.9963	1.0010	0.9888	1.0269	1.0260	1.0268	1.0181	1.0244	1.0195
12-13	1.0012	1.0063	0.9883	1.0361	1.0331	1.1057	1.0070	1.0455	1.0201
11-12	1.0304	1.0023	1.0762	1.0216	1.0412	0.9802	0.9977	1.0102	1.0209
10-11	1.0166	0.9770	1.0258	1.0364	1.0349	1.0186	0.9966	1.0216	1.0218
9-10	1.1019	1.0223	1.0157	1.0387	1.0323	1.0145	1.0022	1.0219	1.0229
8-9	1.0498	0.9797	1.0359	1.0121	1.0362	1.0291	1.0245	1.0255	1.0243
7-8	1.0042	1.0115	1.0676	1.0329	1.0650	1.0556	1.0202	1.0434	1.0263
6-7	0.9562	1.0397	1.0230	1.0450	1.0308	1.0709	0.9928	1.0349	1.0290
5-6	1.0451	1.0346	1.0799	0.9874	1.0646	1.0449	1.0228	1.0299	1.0331
4-5	1.0103	1.0518	1.1042	1.0527	1.0333	1.0143	0.9946	1.0237	1.0398
3-4	1.0775	1.0693	1.0710	1.0272	1.0604	1.0887	1.0292	1.0514	1.0525
2-3	1.2204	1.1334	1.1053	1.1501	1.1483	1.1058	0.9431	1.0868	1.0829
1-2	1.1902	1.1801	1.2449	1.2920	1.1910	1.2029	1.1403	1.2066	1.2068

MEDICAL Adjusted	Paid LDF 11-12	Paid LDF 12-13	Paid LDF 13-14	Paid LDF 14-15	Paid LDF 15-16	Paid LDF 16-17	Paid LDF 17-18	4 Year Average LDF	Selected Paid LDF
28-29				1.0066	1.0250	1.0023	1.0078	1.0104	1.0107
27-28			1.0053	1.0158	1.0050	1.0433	1.0177	1.0204	1.0111
26-27		1.0132	1.0140	1.0090	1.0085	1.0131	1.0133	1.0110	1.0115
25-26	1.0037	1.0426	1.0213	1.0401	1.0076	1.0064	1.0144	1.0171	1.0119
24-25	1.0327	1.0111	1.0308	1.0137	1.0036	1.0144	1.0220	1.0134	1.0124
23-24	1.0099	1.0218	1.0123	1.0163	1.0268	1.0096	1.0098	1.0156	1.0129
22-23	1.0239	1.0257	1.0107	1.0310	1.0120	1.0130	1.0054	1.0154	1.0135
21-22	1.0114	1.0088	1.0237	1.0146	1.0180	1.0058	1.0097	1.0120	1.0140
20-21	1.0074	1.0351	1.0247	1.0077	1.0098	1.0108	1.0071	1.0089	1.0147
19-20	1.0277	1.0158	1.0260	1.0069	1.0142	1.0067	1.0044	1.0081	1.0154
18-19	1.0160	1.0135	1.0144	1.0214	1.0251	1.0206	1.0134	1.0201	1.0161
17-18	1.0156	1.0296	1.0179	1.0100	1.0142	1.0032	1.0061	1.0084	1.0170
16-17	1.0114	1.0296	1.0224	1.0133	1.0059	1.0065	1.0098	1.0089	1.0179
15-16	1.0481	1.0180	1.0047	1.0155	1.0085	1.0149	1.0226	1.0154	1.0190
14-15	1.0158	1.0103	1.0099	1.0254	1.0312	1.0204	1.0176	1.0237	1.0201
13-14	1.0103	1.0142	1.0213	1.0135	1.0216	1.0326	1.0235	1.0228	1.0215
12-13	1.0163	1.0352	1.0212	1.0553	1.0214	1.0186	1.0110	1.0266	1.0230
11-12	1.0397	1.0234	1.0853	1.0214	1.0236	1.0185	1.0192	1.0207	1.0248
10-11	1.0245	1.0447	1.0317	1.0338	1.0430	1.0216	1.0121	1.0276	1.0269
9-10	1.0295	1.0392	1.0292	1.0191	1.0420	1.0395	1.0306	1.0328	1.0295
8-9	1.0408	1.0268	1.0280	1.0442	1.0318	1.0230	1.0373	1.0341	1.0326
7-8	1.0280	1.0375	1.0456	1.0335	1.0411	1.0474	1.0378	1.0400	1.0367
6-7	1.0122	1.0463	1.0355	1.0514	1.0632	1.0434	1.0257	1.0459	1.0421
5-6	1.0691	1.0466	1.0519	1.0847	1.0471	1.0599	1.0346	1.0566	1.0499
4-5	1.0553	1.0888	1.0575	1.0733	1.0186	1.0662	1.0600	1.0545	1.0622
3-4	1.0812	1.1025	1.1356	1.0814	1.0851	1.0734	1.0514	1.0728	1.0850
2-3	1.1790	1.1799	1.1188	1.1743	1.1889	1.1395	1.1053	1.1520	1.1416
1-2	1.3999	1.3549	1.3634	1.4553	1.4056	1.4247	1.3908	1.4191	1.4203

MEDICAL Adjusted	Pd-Incur LDF 11-12	Pd-Incur LDF 12-13	Pd-Incur LDF 13-14	Pd-Incur LDF 14-15	Pd-Incur LDF 15-16	Pd-Incur LDF 16-17	Pd-Incur LDF 17-18	4 Year Average LDF	Selected Pd-Incur LDF
28-29				1.0815	1.3463	1.0591	1.2158	1.1757	1.1757
27-28			1.0788	1.3092	1.0454	1.2983	1.2857	1.2347	1.2347
26-27		1.0882	1.2806	1.0497	1.2488	1.2710	1.1142	1.1709	1.1709
25-26	1.1170	1.3241	1.0594	1.2897	1.2424	1.0993	1.2620	1.2233	1.2233
24-25	1.3213	1.0955	1.2888	1.2233	1.0815	1.2243	1.1934	1.1806	1.1806
23-24	1.0964	1.3274	1.1697	1.1022	1.2187	1.1991	1.2289	1.1872	1.1872
22-23	1.2618	1.1925	1.1081	1.2140	1.1863	1.2976	1.1453	1.2108	1.2108
21-22	1.1881	1.1319	1.2131	1.1918	1.2631	1.1600	1.2550	1.2175	1.2175
20-21	1.1513	1.3538	1.2105	1.2530	1.2384	1.2564	1.2585	1.2516	1.2516
19-20	1.3870	1.1903	1.2873	1.2187	1.2314	1.2602	1.0747	1.1963	1.1963
18-19	1.2296	1.3031	1.2441	1.2567	1.2353	1.0867	1.0772	1.1640	1.1640
17-18	1.3294	1.2617	1.2350	1.2361	1.0992	1.0888	1.1201	1.1361	1.1361
16-17	1.2937	1.3041	1.2486	1.0892	1.0711	1.1759	1.2043	1.1351	1.1351
15-16	1.3313	1.2789	1.0899	1.0950	1.1357	1.2191	1.2830	1.1832	1.1832
14-15	1.2723	1.0990	1.0884	1.1525	1.2286	1.2848	1.2250	1.2227	1.2227
13-14	1.0992	1.1289	1.1784	1.1989	1.2188	1.2683	1.2927	1.2447	1.2447
12-13	1.1447	1.2369	1.1561	1.2536	1.2604	1.3229	1.1975	1.2586	1.2586
11-12	1.2879	1.2223	1.3258	1.2463	1.2242	1.2121	1.1985	1.2203	1.2203
10-11	1.2493	1.2630	1.2503	1.2156	1.2774	1.2288	1.1923	1.2285	1.2285
9-10	1.3266	1.2694	1.2134	1.2579	1.2555	1.2421	1.2340	1.2474	1.2474
8-9	1.2921	1.2194	1.2209	1.2699	1.2633	1.2592	1.2295	1.2555	1.2555
7-8	1.2794	1.2491	1.3089	1.2598	1.2738	1.2538	1.2996	1.2717	1.2717
6-7	1.2498	1.2861	1.2495	1.2573	1.2626	1.3279	1.1921	1.2600	1.2600
5-6	1.3036	1.2894	1.2645	1.3286	1.2981	1.2695	1.1712	1.2669	1.2669
4-5	1.3152	1.2743	1.4225	1.3086	1.2370	1.2212	1.1931	1.2400	1.2400
3-4	1.3131	1.4239	1.3773	1.2946	1.3057	1.2872	1.4498	1.3343	1.3343
2-3	1.5699	1.5507	1.4033	1.4459	1.4048	1.6042	1.4255	1.4701	1.4701
1-2	1.9154	1.7278	1.7094	1.7801	2.0326	2.1513	2.0164	1.9951	1.9951

MEDICAL	Policy Year	Incurred LDF	Paid to 29th LDF
Beyond	1989	1.0292	1.0292
28-29	1990	1.0160	1.1757
27-28	1991	1.0161	1.0111
26-27	1992	1.0162	1.0115
25-26	1993	1.0163	1.0119
24-25	1994	1.0165	1.0124
23-24	1995	1.0166	1.0129
22-23	1996	1.0168	1.0135
21-22	1997	1.0170	1.0140
20-21	1998	1.0172	1.0147
19-20	1999	1.0174	1.0154
18-19	2000	1.0176	1.0161
17-18	2001	1.0179	1.0170
16-17	2002	1.0182	1.0179
15-16	2003	1.0186	1.0190
14-15	2004	1.0190	1.0201
13-14	2005	1.0195	1.0215
12-13	2006	1.0201	1.0230
11-12	2007	1.0209	1.0248
10-11	2008	1.0218	1.0269
9-10	2009	1.0229	1.0295
8-9	2010	1.0243	1.0326
7-8	2011	1.0263	1.0367
6-7	2012	1.0290	1.0421
5-6	2013	1.0331	1.0499
4-5	2014	1.0398	1.0622
3-4	2015	1.0525	1.0850
2-3	2016	1.0829	1.1416
1-2	2017	1.2068	1.4203

MEDICAL	Policy Year	Incurred Cum LDF	Paid to 29th Cum LDF
Beyond	1989	1.0292	1.0292
28-29	1990	1.0457	1.2100
27-28	1991	1.0625	1.2235
26-27	1992	1.0797	1.2375
25-26	1993	1.0973	1.2523
24-25	1994	1.1154	1.2678
23-24	1995	1.1339	1.2841
22-23	1996	1.1530	1.3015
21-22	1997	1.1726	1.3197
20-21	1998	1.1928	1.3391
19-20	1999	1.2135	1.3597
18-19	2000	1.2349	1.3816
17-18	2001	1.2570	1.4051
16-17	2002	1.2798	1.4302
15-16	2003	1.3037	1.4574
14-15	2004	1.3284	1.4867
13-14	2005	1.3543	1.5187
12-13	2006	1.3815	1.5536
11-12	2007	1.4104	1.5921
10-11	2008	1.4412	1.6350
9-10	2009	1.4742	1.6832
8-9	2010	1.5100	1.7381
7-8	2011	1.5497	1.8019
6-7	2012	1.5947	1.8777
5-6	2013	1.6474	1.9714
4-5	2014	1.7130	2.0940
3-4	2015	1.8029	2.2720
2-3	2016	1.9524	2.5938
1-2	2017	2.3562	3.6839

MEDICAL	Policy Year	Benefit Level Factor	LAE	Medical Incurred Law Adjustment	Medical Paid Law Adjustment
Beyond	1989	1.0000	1.2396	0.7878	0.7878
28-29	1990	1.0000	1.2396	0.7795	0.6912
27-28	1991	1.0000	1.2396	0.7181	0.6824
26-27	1992	1.0000	1.2396	0.8117	0.7291
25-26	1993	1.0000	1.2396	0.7749	0.7162
24-25	1994	1.0000	1.2396	0.8007	0.7265
23-24	1995	1.0000	1.2396	0.7717	0.7225
22-23	1996	1.0000	1.2396	0.8381	0.7562
21-22	1997	1.0000	1.2396	0.8306	0.7466
20-21	1998	1.0000	1.2396	0.7740	0.7484
19-20	1999	1.0000	1.2396	0.7861	0.7630
18-19	2000	1.0000	1.2396	0.8306	0.7902
17-18	2001	1.0000	1.2396	0.8604	0.7944
16-17	2002	1.0000	1.2396	0.9219	0.8385
15-16	2003	1.0000	1.2396	0.8958	0.8269
14-15	2004	1.0000	1.2396	0.9255	0.8398
13-14	2005	1.0000	1.2396	0.9169	0.8547
12-13	2006	1.0000	1.2396	0.9493	0.8908
11-12	2007	1.0000	1.2396	0.9846	0.9270
10-11	2008	1.0000	1.2396	1.0465	0.9864
9-10	2009	1.0000	1.2396	1.0752	1.0205
8-9	2010	1.0000	1.2396	1.0887	1.0167
7-8	2011	1.0000	1.2396	1.0624	1.0134
6-7	2012	1.0000	1.2396	1.0964	1.0579
5-6	2013	1.0000	1.2396	1.1644	1.1316
4-5	2014	1.0000	1.2396	1.3191	1.2579
3-4	2015	1.0000	1.2396	1.4026	1.3734
2-3	2016	1.0000	1.2396	1.4840	1.4710
1-2	2017	1.0000	1.2396	1.5134	1.5132

MEDICAL	Policy Year	Incurred Base	Paid to 29th Base
Beyond	1989	38,501,704	38,501,704
28-29	1990	34,112,886	30,450,672
27-28	1991	31,336,830	29,990,504
26-27	1992	43,724,657	39,122,040
25-26	1993	35,358,992	32,756,141
24-25	1994	31,613,251	28,632,720
23-24	1995	33,549,226	31,458,415
22-23	1996	41,661,066	37,152,295
21-22	1997	36,640,330	32,623,194
20-21	1998	30,629,526	29,605,725
19-20	1999	39,737,438	38,513,961
18-19	2000	49,483,515	46,718,943
17-18	2001	41,300,887	37,508,638
16-17	2002	59,491,648	52,135,881
15-16	2003	52,863,758	47,566,627
14-15	2004	62,079,037	54,173,806
13-14	2005	55,726,011	50,469,943
12-13	2006	57,169,760	51,803,187
11-12	2007	58,050,970	52,343,355
10-11	2008	56,739,137	50,272,571
9-10	2009	58,304,627	51,827,178
8-9	2010	69,756,630	59,649,130
7-8	2011	56,073,044	50,581,300
6-7	2012	45,880,001	42,009,964
5-6	2013	45,902,686	41,959,019
4-5	2014	38,884,790	29,572,023
3-4	2015	43,066,707	34,102,901
2-3	2016	37,055,837	25,784,874
1-2	2017	30,804,908	18,180,896

MEDICAL	Policy Year	Proj Ult Incurred (Avg Pd & Inc)	Proj Ult Incurred (Incur)	Proj Ult Incurred (Pd-29)
Beyond	1989	39,625,954	39,625,954	39,625,954
28-29	1990	36,258,579	35,671,845	36,845,313
27-28	1991	34,994,382	33,295,382	36,693,382
26-27	1992	47,811,519	47,209,512	48,413,525
25-26	1993	39,909,969	38,799,422	41,020,515
24-25	1994	35,780,991	35,261,420	36,300,562
23-24	1995	39,218,609	38,041,467	40,395,751
22-23	1996	48,194,461	48,035,209	48,353,712
21-22	1997	43,008,640	42,964,451	43,052,829
20-21	1998	38,089,963	36,534,899	39,645,026
19-20	1999	50,294,407	48,221,381	52,367,433
18-19	2000	62,827,043	61,107,193	64,546,892
17-18	2001	52,309,301	51,915,215	52,703,387
16-17	2002	75,351,074	76,137,411	74,564,737
15-16	2003	69,121,042	68,918,481	69,323,602
14-15	2004	81,502,995	82,465,793	80,540,197
13-14	2005	76,059,220	75,469,737	76,648,702
12-13	2006	79,730,727	78,980,023	80,481,431
11-12	2007	82,605,472	81,875,088	83,335,855
10-11	2008	81,984,049	81,772,444	82,195,654
9-10	2009	86,594,094	85,952,681	87,235,506
8-9	2010	104,504,332	105,332,511	103,676,153
7-8	2011	89,019,420	86,896,396	91,142,444
6-7	2012	76,023,474	73,164,838	78,882,109
5-6	2013	79,169,048	75,620,085	82,718,010
4-5	2014	64,266,731	66,609,645	61,923,816
3-4	2015	77,563,379	77,644,966	77,481,791
2-3	2016	69,614,311	72,347,816	66,880,806
1-2	2017	69,779,564	72,582,524	66,976,603

MEDICAL	Policy Year	Adjusted Ult Loss (Avg Pd & Inc)	Adjusted Ult Loss (Incur)	Adjusted Ult Loss (Pd-29)
Beyond	1989	38,695,440	38,695,440	38,695,440
28-29	1990	33,017,469	34,467,378	31,567,559
27-28	1991	30,338,646	29,637,928	31,039,363
26-27	1992	45,629,211	47,501,290	43,757,132
25-26	1993	36,843,524	37,268,039	36,419,008
24-25	1994	33,845,913	34,999,569	32,692,257
23-24	1995	36,285,553	36,392,716	36,178,390
22-23	1996	47,616,144	49,905,987	45,326,301
21-22	1997	42,040,004	44,237,640	39,842,368
20-21	1998	35,914,888	35,052,230	36,777,546
19-20	1999	48,261,695	46,990,835	49,532,554
18-19	2000	63,072,147	62,918,590	63,225,704
17-18	2001	53,636,744	55,373,166	51,900,321
16-17	2002	82,255,486	87,009,708	77,501,263
15-16	2003	73,794,517	76,526,432	71,062,602
14-15	2004	89,223,263	94,607,304	83,839,222
13-14	2005	83,489,792	85,775,230	81,204,353
12-13	2006	90,907,967	92,941,435	88,874,498
11-12	2007	97,846,556	99,933,276	95,759,836
10-11	2008	103,289,384	106,074,390	100,504,377
9-10	2009	112,459,092	114,561,757	110,356,426
8-9	2010	136,412,134	142,157,713	130,666,555
7-8	2011	114,463,633	114,433,033	114,494,232
6-7	2012	101,442,625	99,439,389	103,445,861
5-6	2013	112,589,793	109,149,319	116,030,267
4-5	2014	102,735,677	108,916,726	96,554,628
3-4	2015	133,454,704	134,996,240	131,913,167
2-3	2016	127,521,392	133,086,815	121,955,968
1-2	2017	130,900,519	136,165,140	125,635,898

MEDICAL

Policy Year	Ultimate Loss Ratio (Avg Pd & Inc)	Ultimate Loss Ratio (Incur)	Ultimate Loss Ratio (Pd-29)
1989	0.3232	0.3232	0.3232
1990	0.3064	0.3199	0.2929
1991	0.2914	0.2847	0.2981
1992	0.4807	0.5004	0.4610
1993	0.3847	0.3891	0.3802
1994	0.3612	0.3735	0.3489
1995	0.3769	0.3780	0.3757
1996	0.4692	0.4918	0.4466
1997	0.4410	0.4641	0.4180
1998	0.3900	0.3807	0.3994
1999	0.4878	0.4749	0.5006
2000	0.5854	0.5840	0.5868
2001	0.4821	0.4977	0.4664
2002	0.6780	0.7172	0.6388
2003	0.5709	0.5920	0.5497
2004	0.5639	0.5979	0.5299
2005	0.4930	0.5065	0.4795
2006	0.5092	0.5206	0.4978
2007	0.5491	0.5608	0.5374
2008	0.5668	0.5821	0.5515
2009	0.6211	0.6327	0.6095
2010	0.7740	0.8066	0.7414
2011	0.6474	0.6472	0.6476
2012	0.6121	0.6000	0.6242
2013	0.7099	0.6882	0.7316
2014	0.6524	0.6916	0.6131
2015	0.7748	0.7838	0.7659
2016	0.6865	0.7165	0.6566
2017	0.6411	0.6669	0.6153

MEDICAL FREQUENCY

Policy Year	Claim Frequency	Normalized Frequency	Trend Factor to 1/1/18	Selected Ann Trend	Trend Period # Years	Trend 1/1/18-12/1/20	Combined Trend Factor
				-5.0%	1		
				-5.0%	1		
				-5.0%	1		
				-5.0%	0.9167		
2005	11.55	1.0000					
2006	10.86	0.9403					
2007	10.09	0.8736					
2008	8.94	0.7740					
2009	8.91	0.7714					
2010	8.89	0.7697					
2011	8.33	0.7212					
2012	7.48	0.6476					
2013	7.80	0.6753					
2014	6.70	0.5801	0.8581			0.8618	0.7395
2015	7.02	0.6078	0.9030			0.8618	0.7782
2016	6.13	0.5307	0.9503			0.8618	0.8189
2017*	6.12	0.5299	1.0000			0.8618	0.8618

\* Adjusted to a full Policy Year

MEDICAL SEVERITY RATIOS

Policy Year	Ultimate Severity Ratio (Average)	Ultimate Severity Ratio (Incur)	Ultimate Severity Ratio (Pd-29)
2005	0.4930	0.5065	0.4795
2006	0.5416	0.5537	0.5294
2007	0.6286	0.6419	0.6152
2008	0.7323	0.7520	0.7125
2009	0.8051	0.8202	0.7901
2010	1.0056	1.0479	0.9632
2011	0.8977	0.8974	0.8979
2012	0.9452	0.9265	0.9638
2013	1.0512	1.0191	1.0833
2014	1.1247	1.1922	1.0569
2015	1.2748	1.2896	1.2601
2016	1.2935	1.3500	1.2372
2017	1.2099	1.2586	1.1612

MEDICAL Linear FITTED	Policy Year	Severity Ratio (Average)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	2014	1.1846	1.2337	1.1354
	2015	1.2120	1.2596	1.1644
	2016	1.2394	1.2856	1.1934
	2017	1.2669	1.3115	1.2224
5 Point	2013	1.0936	1.0945	1.0925
	2014	1.1422	1.1582	1.1261
	2015	1.1908	1.2219	1.1597
	2016	1.2394	1.2856	1.1934
	2017	1.2881	1.3493	1.2270
6 Point	2012	0.9927	0.9762	1.0091
	2013	1.0556	1.0548	1.0563
	2014	1.1184	1.1334	1.1035
	2015	1.1813	1.2120	1.1507
	2016	1.2442	1.2905	1.1979
	2017	1.3071	1.3691	1.2451
7 Point	2011	0.9149	0.8975	0.9322
	2012	0.9812	0.9761	0.9862
	2013	1.0475	1.0547	1.0403
	2014	1.1139	1.1333	1.0943
	2015	1.1802	1.2120	1.1484
	2016	1.2465	1.2906	1.2025
	2017	1.3128	1.3692	1.2565
8 Point	2010	0.9140	0.9143	0.9136
	2011	0.9672	0.9738	0.9605
	2012	1.0205	1.0334	1.0075
	2013	1.0737	1.0929	1.0545
	2014	1.1269	1.1524	1.1014
	2015	1.1802	1.2120	1.1484
	2016	1.2334	1.2715	1.1954
	2017	1.2866	1.3310	1.2423
9 Point	2009	0.8397	0.8417	0.8377
	2010	0.8967	0.9036	0.8898
	2011	0.9536	0.9654	0.9418
	2012	1.0106	1.0272	0.9939
	2013	1.0675	1.0891	1.0460
	2014	1.1245	1.1509	1.0980
	2015	1.1814	1.2127	1.1501
	2016	1.2384	1.2746	1.2022
	2017	1.2953	1.3364	1.2542
10 Point	2008	0.7654	0.7703	0.7604
	2009	0.8251	0.8336	0.8164
	2010	0.8848	0.8970	0.8725
	2011	0.9445	0.9603	0.9285
	2012	1.0042	1.0237	0.9846
	2013	1.0638	1.0870	1.0406
	2014	1.1235	1.1504	1.0967
	2015	1.1832	1.2137	1.1528
	2016	1.2429	1.2771	1.2088
	2017	1.3026	1.3404	1.2649



MEDICAL Linear <b>TRENDED</b>		Severity Ratio (Average)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	Fitted	1.3469	1.3873	1.3069
5 Point	Fitted	1.4299	1.5350	1.3250
6 Point	Fitted	1.4904	1.5984	1.3827
7 Point	Fitted	1.5062	1.5985	1.4142
8 Point	Fitted	1.4419	1.5046	1.3793
9 Point	Fitted	1.4614	1.5167	1.4061
10 Point	Fitted	1.4768	1.5252	1.4284

MEDICAL Linear <b>Severity Trend Factor</b>		Sev Trend Factor (Average)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-29)
4 Point	2014	1.1370	1.1245	1.1511
	2015	1.1113	1.1013	1.1225
	2016	1.0867	1.0791	1.0952
	2017	1.0632	1.0577	1.0692
5 Point	2014	1.2519	1.3253	1.1766
	2015	1.2007	1.2562	1.1425
	2016	1.1536	1.1940	1.1103
	2017	1.1101	1.1377	1.0799
6 Point	2014	1.3326	1.4103	1.2531
	2015	1.2617	1.3188	1.2017
	2016	1.1979	1.2385	1.1543
	2017	1.1403	1.1674	1.1106
7 Point	2014	1.3523	1.4104	1.2922
	2015	1.2763	1.3189	1.2314
	2016	1.2084	1.2386	1.1761
	2017	1.1473	1.1675	1.1255
8 Point	2014	1.2795	1.3056	1.2523
	2015	1.2218	1.2415	1.2011
	2016	1.1690	1.1834	1.1539
	2017	1.1207	1.1304	1.1103
9 Point	2014	1.2996	1.3179	1.2806
	2015	1.2370	1.2507	1.2226
	2016	1.1801	1.1900	1.1696
	2017	1.1282	1.1350	1.1211
10 Point	2014	1.3144	1.3258	1.3024
	2015	1.2481	1.2566	1.2391
	2016	1.1881	1.1943	1.1816
	2017	1.1337	1.1379	1.1293

MEDICAL Expon'l FITTED	Policy Year	Severity Ratio (Average)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	2014	1.1818	1.2322	1.1304
	2015	1.2097	1.2581	1.1607
	2016	1.2383	1.2846	1.1917
	2017	1.2676	1.3117	1.2236
5 Point	2013	1.0914	1.0904	1.0903
	2014	1.1383	1.1516	1.1231
	2015	1.1872	1.2163	1.1569
	2016	1.2383	1.2846	1.1917
	2017	1.2915	1.3568	1.2276
6 Point	2012	0.9921	0.9755	1.0078
	2013	1.0499	1.0463	1.0521
	2014	1.1111	1.1223	1.0984
	2015	1.1758	1.2038	1.1466
	2016	1.2443	1.2913	1.1971
	2017	1.3168	1.3851	1.2497
7 Point	2011	0.9188	0.9038	0.9334
	2012	0.9768	0.9709	0.9821
	2013	1.0386	1.0429	1.0332
	2014	1.1042	1.1202	1.0871
	2015	1.1740	1.2033	1.1437
	2016	1.2482	1.2925	1.2033
	2017	1.3270	1.3884	1.2660
8 Point	2010	0.9205	0.9220	0.9181
	2011	0.9664	0.9724	0.9593
	2012	1.0146	1.0256	1.0024
	2013	1.0651	1.0817	1.0475
	2014	1.1182	1.1409	1.0945
	2015	1.1740	1.2033	1.1437
	2016	1.2325	1.2691	1.1951
	2017	1.2939	1.3385	1.2487
9 Point	2009	0.8490	0.8534	0.8441
	2010	0.8964	0.9039	0.8883
	2011	0.9465	0.9574	0.9348
	2012	0.9993	1.0141	0.9837
	2013	1.0551	1.0741	1.0352
	2014	1.1140	1.1376	1.0894
	2015	1.1762	1.2050	1.1464
	2016	1.2419	1.2763	1.2064
	2017	1.3112	1.3518	1.2695
10 Point	2008	0.7785	0.7867	0.7699
	2009	0.8262	0.8364	0.8155
	2010	0.8768	0.8893	0.8637
	2011	0.9305	0.9455	0.9148
	2012	0.9875	1.0052	0.9690
	2013	1.0479	1.0687	1.0263
	2014	1.1121	1.1362	1.0870
	2015	1.1802	1.2080	1.1513
	2016	1.2525	1.2843	1.2195
	2017	1.3292	1.3655	1.2916

MEDICAL Expon'l <b>TRENDED</b>		Severity Ratio (Average)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	Fitted	1.3569	1.3939	1.3216
5 Point	Fitted	1.4603	1.5912	1.3384
6 Point	Fitted	1.5533	1.6993	1.4168
7 Point	Fitted	1.5867	1.7105	1.4681
8 Point	Fitted	1.4912	1.5634	1.4195
9 Point	Fitted	1.5364	1.5987	1.4732
10 Point	Fitted	1.5808	1.6326	1.5274

MEDICAL Expon'l <b>Severity Trend Factor</b>		Sev Trend Factor (Average)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-29)
4 Point	2014	1.1482	1.1312	1.1691
	2015	1.1217	1.1079	1.1386
	2016	1.0958	1.0850	1.1089
	2017	1.0705	1.0627	1.0800
5 Point	2014	1.2829	1.3817	1.1917
	2015	1.2300	1.3082	1.1569
	2016	1.1793	1.2387	1.1231
	2017	1.1307	1.1728	1.0903
6 Point	2014	1.3980	1.5141	1.2899
	2015	1.3211	1.4116	1.2356
	2016	1.2483	1.3160	1.1836
	2017	1.1796	1.2269	1.1337
7 Point	2014	1.4370	1.5269	1.3505
	2015	1.3516	1.4215	1.2837
	2016	1.2712	1.3234	1.2201
	2017	1.1957	1.2320	1.1597
8 Point	2014	1.3335	1.3704	1.2969
	2015	1.2702	1.2993	1.2411
	2016	1.2099	1.2319	1.1878
	2017	1.1524	1.1680	1.1367
9 Point	2014	1.3791	1.4053	1.3524
	2015	1.3062	1.3267	1.2851
	2016	1.2371	1.2526	1.2212
	2017	1.1717	1.1826	1.1605
10 Point	2014	1.4214	1.4369	1.4051
	2015	1.3394	1.3515	1.3266
	2016	1.2621	1.2712	1.2525
	2017	1.1893	1.1956	1.1825

MEDICAL		LR Trend	LR Trend	LR Trend
Linear		Factor	Factor	Factor
LR Trend Factor		(Average)	(Incur)	(Pd-29)
4 Point	2014	0.8408	0.8316	0.8512
	2015	0.8648	0.8570	0.8735
	2016	0.8899	0.8837	0.8969
	2017	0.9163	0.9115	0.9214
5 Point	2014	0.9258	0.9801	0.8701
	2015	0.9344	0.9776	0.8891
	2016	0.9447	0.9778	0.9092
	2017	0.9567	0.9805	0.9307
6 Point	2014	0.9855	1.0429	0.9267
	2015	0.9819	1.0263	0.9352
	2016	0.9810	1.0142	0.9453
	2017	0.9827	1.0061	0.9571
7 Point	2014	1.0000	1.0430	0.9556
	2015	0.9932	1.0264	0.9583
	2016	0.9896	1.0143	0.9631
	2017	0.9887	1.0062	0.9700
8 Point	2014	0.9462	0.9655	0.9261
	2015	0.9508	0.9661	0.9347
	2016	0.9573	0.9691	0.9449
	2017	0.9658	0.9742	0.9569
9 Point	2014	0.9611	0.9746	0.9470
	2015	0.9626	0.9733	0.9514
	2016	0.9664	0.9745	0.9578
	2017	0.9723	0.9781	0.9662
10 Point	2014	0.9720	0.9804	0.9631
	2015	0.9713	0.9779	0.9643
	2016	0.9729	0.9780	0.9676
	2017	0.9770	0.9806	0.9732

MEDICAL Expon'l LR Trend Factor		LR Trend Factor (Average)	LR Trend Factor (Incur)	LR Trend Factor (Pd-29)
4 Point	2014	0.8491	0.8365	0.8645
	2015	0.8729	0.8622	0.8861
	2016	0.8974	0.8885	0.9081
	2017	0.9226	0.9158	0.9307
5 Point	2014	0.9487	1.0218	0.8813
	2015	0.9572	1.0180	0.9003
	2016	0.9657	1.0144	0.9197
	2017	0.9744	1.0107	0.9396
6 Point	2014	1.0338	1.1197	0.9539
	2015	1.0281	1.0985	0.9615
	2016	1.0222	1.0777	0.9693
	2017	1.0166	1.0573	0.9770
7 Point	2014	1.0627	1.1291	0.9987
	2015	1.0518	1.1062	0.9990
	2016	1.0410	1.0837	0.9991
	2017	1.0305	1.0617	0.9994
8 Point	2014	0.9861	1.0134	0.9591
	2015	0.9885	1.0111	0.9658
	2016	0.9908	1.0088	0.9727
	2017	0.9931	1.0066	0.9796
9 Point	2014	1.0198	1.0392	1.0001
	2015	1.0165	1.0324	1.0001
	2016	1.0131	1.0258	1.0000
	2017	1.0098	1.0192	1.0001
10 Point	2014	1.0511	1.0626	1.0391
	2015	1.0423	1.0517	1.0324
	2016	1.0335	1.0410	1.0257
	2017	1.0249	1.0304	1.0191

MEDICAL Linear <b>TRENDED LR</b>	Base Policy Year	Trended LR (Average)	Trended LR (Incur)	Trended LR (Pd-29)
4 Point	2014	0.5485	0.5751	0.5219
	2015	0.6700	0.6717	0.6690
	2016	0.6109	0.6332	0.5889
	2017	0.5874	0.6079	0.5669
	4 Yr Ave	0.6042	0.6220	0.5867
5 Point	2014	0.6040	0.6778	0.5335
	2015	0.7240	0.7662	0.6810
	2016	0.6485	0.7006	0.5970
	2017	0.6133	0.6539	0.5727
	4 Yr Ave	0.6475	0.6996	0.5961
6 Point	2014	0.6429	0.7213	0.5682
	2015	0.7608	0.8044	0.7163
	2016	0.6735	0.7267	0.6207
	2017	0.6300	0.6710	0.5889
	4 Yr Ave	0.6768	0.7309	0.6235
7 Point	2014	0.6524	0.7213	0.5859
	2015	0.7695	0.8045	0.7340
	2016	0.6794	0.7267	0.6324
	2017	0.6339	0.6710	0.5968
	4 Yr Ave	0.6838	0.7309	0.6373
8 Point	2014	0.6173	0.6677	0.5678
	2015	0.7367	0.7572	0.7159
	2016	0.6572	0.6944	0.6204
	2017	0.6192	0.6497	0.5888
	4 Yr Ave	0.6576	0.6923	0.6232
9 Point	2014	0.6270	0.6740	0.5806
	2015	0.7458	0.7629	0.7287
	2016	0.6634	0.6982	0.6289
	2017	0.6233	0.6523	0.5945
	4 Yr Ave	0.6649	0.6969	0.6332
10 Point	2014	0.6341	0.6780	0.5905
	2015	0.7526	0.7665	0.7386
	2016	0.6679	0.7007	0.6353
	2017	0.6264	0.6540	0.5988
	4 Yr Ave	0.6703	0.6998	0.6408

MEDICAL Expon'l TRENDED LR	Base Policy Year	Trended LR (Average)	Trended LR (Incur)	Trended LR (Pd-29)
4 Point	2014	0.5540	0.5785	0.5300
	2015	0.6763	0.6758	0.6787
	2016	0.6161	0.6366	0.5963
	2017	0.5915	0.6107	0.5727
	4 Yr Ave	0.6095	0.6254	0.5944
5 Point	2014	0.6189	0.7067	0.5403
	2015	0.7416	0.7979	0.6895
	2016	0.6630	0.7268	0.6039
	2017	0.6247	0.6740	0.5781
	4 Yr Ave	0.6621	0.7264	0.6030
6 Point	2014	0.6745	0.7744	0.5848
	2015	0.7966	0.8610	0.7364
	2016	0.7017	0.7722	0.6364
	2017	0.6517	0.7051	0.6011
	4 Yr Ave	0.7061	0.7782	0.6397
7 Point	2014	0.6933	0.7809	0.6123
	2015	0.8149	0.8670	0.7651
	2016	0.7146	0.7765	0.6560
	2017	0.6607	0.7080	0.6149
	4 Yr Ave	0.7209	0.7831	0.6621
8 Point	2014	0.6433	0.7009	0.5880
	2015	0.7659	0.7925	0.7397
	2016	0.6802	0.7228	0.6387
	2017	0.6367	0.6713	0.6027
	4 Yr Ave	0.6815	0.7219	0.6423
9 Point	2014	0.6653	0.7187	0.6132
	2015	0.7876	0.8092	0.7660
	2016	0.6955	0.7350	0.6566
	2017	0.6474	0.6797	0.6154
	4 Yr Ave	0.6990	0.7357	0.6628
10 Point	2014	0.6857	0.7349	0.6371
	2015	0.8076	0.8243	0.7907
	2016	0.7095	0.7459	0.6735
	2017	0.6571	0.6872	0.6271
	4 Yr Ave	0.7150	0.7481	0.6821

INDEMNITY		(Average)	(Incur)	(Pd-29)
Severity				
Ann. Trend				
4 Point	Linear	-3.4%	-4.3%	-2.7%
5 Point	Linear	-2.7%	-3.8%	-1.8%
6 Point	Linear	-0.5%	-1.7%	0.5%
7 Point	Linear	1.3%	0.3%	2.0%
8 Point	Linear	2.1%	1.3%	2.8%
9 Point	Linear	2.0%	1.1%	2.8%
10 Point	Linear	2.4%	1.6%	3.1%
4 Point	Expon'l	-2.9%	-3.8%	-2.3%
5 Point	Expon'l	-2.4%	-3.3%	-1.6%
6 Point	Expon'l	-0.5%	-1.6%	0.4%
7 Point	Expon'l	1.1%	0.2%	1.9%
8 Point	Expon'l	2.0%	1.0%	2.8%
9 Point	Expon'l	1.9%	0.9%	2.8%
10 Point	Expon'l	2.4%	1.4%	3.2%

MEDICAL		(Average)	(Incur)	(Pd-29)
Severity				
Ann. Trend				
4 Point	Linear	1.7%	1.7%	1.8%
5 Point	Linear	3.5%	4.7%	2.2%
6 Point	Linear	4.6%	5.8%	3.3%
7 Point	Linear	4.9%	5.8%	3.9%
8 Point	Linear	3.9%	4.4%	3.3%
9 Point	Linear	4.2%	4.5%	3.8%
10 Point	Linear	4.4%	4.6%	4.1%
4 Point	Expon'l	2.4%	2.1%	2.7%
5 Point	Expon'l	4.3%	5.6%	3.0%
6 Point	Expon'l	5.8%	7.3%	4.4%
7 Point	Expon'l	6.3%	7.4%	5.2%
8 Point	Expon'l	5.0%	5.5%	4.5%
9 Point	Expon'l	5.6%	5.9%	5.2%
10 Point	Expon'l	6.1%	6.3%	5.9%



INDEMNITY		(Average)	(Incur)	(Pd-29)
Loss Ratio				
Ann. Trend				
4 Point	Linear	-8.0%	-8.8%	-7.3%
5 Point	Linear	-7.4%	-8.4%	-6.6%
6 Point	Linear	-5.5%	-6.6%	-4.7%
7 Point	Linear	-4.0%	-4.9%	-3.4%
8 Point	Linear	-3.3%	-4.1%	-2.7%
9 Point	Linear	-3.4%	-4.2%	-2.7%
10 Point	Linear	-3.1%	-3.8%	-2.4%
4 Point	Expon'l	-7.8%	-8.7%	-7.2%
5 Point	Expon'l	-7.3%	-8.2%	-6.6%
6 Point	Expon'l	-5.5%	-6.6%	-4.6%
7 Point	Expon'l	-3.9%	-4.9%	-3.2%
8 Point	Expon'l	-3.1%	-4.1%	-2.4%
9 Point	Expon'l	-3.2%	-4.2%	-2.4%
10 Point	Expon'l	-2.8%	-3.7%	-2.0%

MEDICAL		(Average)	(Incur)	(Pd-29)
Loss Ratio				
Ann. Trend				
4 Point	Linear	-2.9%	-3.1%	-2.7%
5 Point	Linear	-1.4%	-0.5%	-2.4%
6 Point	Linear	-0.4%	0.5%	-1.4%
7 Point	Linear	-0.2%	0.5%	-0.9%
8 Point	Linear	-1.0%	-0.7%	-1.4%
9 Point	Linear	-0.8%	-0.6%	-1.0%
10 Point	Linear	-0.6%	-0.5%	-0.8%
4 Point	Expon'l	-2.7%	-3.0%	-2.4%
5 Point	Expon'l	-0.9%	0.4%	-2.1%
6 Point	Expon'l	0.6%	1.9%	-0.8%
7 Point	Expon'l	1.0%	2.1%	0.0%
8 Point	Expon'l	-0.2%	0.2%	-0.7%
9 Point	Expon'l	0.3%	0.7%	0.0%
10 Point	Expon'l	0.9%	1.0%	0.7%