

PENNSYLVANIA COMPENSATION RATING BUREAU

Paid and Incurred Loss Development and Trend

Page 1 of the attachment shows the calculation of expected losses. Standard Earned Premiums are developed to ultimate, adjusted to current rate level, adjusted to remove expense constants, adjusted for the Pennsylvania Construction Classification Premium Adjustment Program, multiplied by the permissible loss ratio underlying the 12/1/92 rate level, adjusted to remove loss based assessments included in manual loss costs, and then multiplied by the factor representing the cumulative loss cost change to 11/1/17 to yield expected losses at current levels.

Pages 2 through 13 present indemnity losses.

Page 2 shows incurred and paid loss development factors and ratios of incurred to paid losses. Data for the latest two sets of factors (2014-2015 and 2015-2016) are based on the current Table I. Ratios for earlier periods are also shown for comparison purposes. With the exception of the “tail” factor, an average of the latest two factors has been selected. The “tail” factor has been calculated by a method that uses a four-year average and incorporates an adjustment to account for the fact that the tail factor calculation methodology traditionally understates the true result. Tail factor calculations are presented in Exhibit 7.

Page 3 arranges the factors according to the loss development approach shown. There are 2 methods shown: case incurred and paid to twenty-ninth

Page 4 shows on-level factors that adjust indemnity benefits to a post-Act 57 basis. Loss adjustment expense is not included in this analysis.

Page 5 shows the loss base (paid or incurred losses depending on the method) to which the development factors apply and also the projected ultimate level of losses. Note that staff has added a column showing the average of the case incurred and the paid to twenty-ninth methods.

The top portion of Page 6 presents ultimate loss ratios (ratios of projected loss to expected loss) by policy year for each methodology. Expected losses include provisions for both indemnity and medical combined.

The middle portion of Page 6 presents information on claim frequencies, which are discussed further in Exhibit 8. The first column shows frequencies by policy year. The second column shows normalized values for claim frequency with policy year 2004 set equal to unity. Staff has selected an annual frequency trend factor of -5.6%.

The lower portion of Page 6 shows severity ratios which are defined herein 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 6 by the normalized claim frequencies in the middle portion of Page 6 for each policy year and loss development approach.

Page 7 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 8 shows those same straight lines trended to the midpoint of the prospective rating period (4/1/19). The second section of Page 8 shows severity trend factors by policy year calculated by dividing the trended points on Page 8 by the fitted values on Page 7.

Pages 9 and 10 present the analogous exponential severity trend factor calculation. Page 11 shows the loss ratio trend factors by policy year, which are the product of the severity (Page 10) and frequency (Page 6) trend factors that were previously calculated.

Pages 12 and 13 show averages of the three latest policy years trended to the midpoint of the prospective rating period (4/1/19) on a linear and an exponential basis respectively.

Pages 14 through 25 show experience for medical losses laid out the same way as Pages 2 through 13. Page 26 shows a summary of annualized severity trend factors and Page 27 shows annualized loss ratio trend factors.

PREMIUMS	PDF 11-12	PDF 12-13	PDF 13-14	PDF 14-15	PDF 15-16	4 Year Average	Selected PDF
28-29				1.0000	1.0000		1.0000
27-28			1.0000	1.0000	1.0000		1.0000
26-27		1.0000	1.0001	1.0000	1.0000	1.0000	1.0000
25-26	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
24-25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
23-24	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
22-23	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
21-22	1.0000	1.0000	1.0000	1.0000	1.0002	1.0001	1.0000
20-21	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
19-20	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
18-19	1.0000	1.0000	1.0000	1.0001	0.9999	1.0000	1.0000
17-18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
16-17	1.0000	1.0000	1.0000	1.0000	0.9999	1.0000	1.0000
15-16	1.0000	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	1.0000
13-14	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000
12-13	0.9999	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000
11-12	1.0000	0.9999	1.0000	1.0001	1.0000	1.0000	1.0000
10-11	1.0001	1.0000	0.9999	1.0000	1.0000	1.0000	1.0000
9-10	1.0002	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
8-9	0.9996	0.9999	1.0000	1.0000	1.0002	1.0000	1.0000
7-8	1.0000	1.0000	1.0000	1.0000	0.9999	1.0000	1.0000
6-7	1.0003	1.0000	0.9999	1.0000	1.0010	1.0002	1.0002
5-6	1.0002	1.0000	0.9997	0.9997	1.0003	0.9999	0.9999
4-5	1.0000	1.0001	0.9997	1.0001	0.9998	0.9999	0.9999
3-4	0.9995	0.9992	1.0002	1.0002	0.9997	0.9998	0.9998
2-3	1.0010	0.9987	1.0003	0.9994	1.0011	0.9999	0.9999
1-2	1.0136	1.0094	1.0073	1.0099	1.0078	1.0086	1.0086

PREMIUMS	Policy Year	Reported SEP	Cum PDF	Ultimate SEP	Premium On-Level To 12/1/92	ECRF	PCCPAP Factor
28-29	1988	1,896,671,487	1.0000	1,896,671,487	1.7528	0.9894	1.0000
27-28	1989	2,033,041,334	1.0000	2,033,041,334	1.6199	0.9902	1.0000
26-27	1990	2,297,321,642	1.0000	2,297,321,642	1.4862	0.9913	1.0000
25-26	1991	2,410,481,742	1.0000	2,410,481,742	1.2445	0.9913	1.0051
24-25	1992	2,261,549,818	1.0000	2,261,549,818	1.2271	0.9916	1.0048
23-24	1993	2,426,141,388	1.0000	2,426,141,388	1.0000	0.9936	1.0048
22-23	1994	1,829,566,293	1.0000	1,829,566,293	1.0000	1.0000	1.0050
21-22	1995	1,683,699,201	1.0000	1,683,699,201	1.0000	1.0000	1.0038
20-21	1996	1,603,208,968	1.0000	1,603,208,968	1.0000	1.0000	0.9963
19-20	1997	1,317,992,940	1.0000	1,317,992,940	1.0000	1.0000	0.9937
18-19	1998	1,263,293,344	1.0000	1,263,293,344	1.0000	1.0000	0.9919
17-18	1999	1,280,543,285	1.0000	1,280,543,285	1.0000	1.0000	0.9919
16-17	2000	1,352,097,153	1.0000	1,352,097,153	1.0000	1.0000	0.9966
15-16	2001	1,453,776,657	1.0000	1,453,776,657	1.0000	1.0000	0.9974
14-15	2002	1,521,106,665	1.0000	1,521,106,665	1.0000	1.0000	0.9988
13-14	2003	1,600,834,373	1.0000	1,600,834,373	1.0000	1.0000	0.9992
12-13	2004	1,719,651,688	1.0000	1,719,651,688	1.0000	1.0000	1.0000
11-12	2005	1,889,670,714	1.0000	1,889,670,714	1.0000	1.0000	1.0016
10-11	2006	1,863,649,787	1.0000	1,863,649,787	1.0000	1.0000	1.0019
9-10	2007	1,921,887,272	1.0000	1,921,887,272	1.0000	1.0000	1.0013
8-9	2008	1,768,387,013	1.0000	1,768,387,013	1.0000	1.0000	0.9989
7-8	2009	1,578,120,060	1.0000	1,578,120,060	1.0000	1.0000	0.9987
6-7	2010	1,661,122,036	1.0002	1,661,454,260	1.0000	1.0000	1.0055
5-6	2011	1,731,447,592	1.0001	1,731,620,737	1.0000	1.0000	1.0057
4-5	2012	1,652,226,915	1.0000	1,652,226,915	1.0000	1.0000	1.0067
3-4	2013	1,630,099,417	0.9998	1,629,773,397	1.0000	1.0000	1.0067
2-3	2014	1,621,563,685	0.9997	1,621,077,216	1.0000	1.0000	1.0066
1-2	2015	1,595,283,043	1.0083	1,608,523,892	1.0000	1.0000	1.0076

PREMIUMS	Policy Year	On-Level SEP	Expected Loss Ratio 12/1/92 Level	Expected Losses 12/1/92 Level	Loss Cost On-Level To 11/1/17	Expected Losses Current Level
1988		3,289,246,233	0.7815	2,570,545,931	0.4000	1,028,218,372
1989		3,261,049,085	0.7815	2,548,509,860	0.4000	1,019,403,944
1990		3,384,575,193	0.7815	2,645,045,513	0.4000	1,058,018,205
1991		2,988,911,985	0.7815	2,335,834,716	0.4000	934,333,886
1992		2,765,045,356	0.7815	2,160,882,946	0.4000	864,353,178
1993		2,422,185,031	0.79162914	1,917,472,253	0.40050412	767,955,545
1994		1,838,714,124	0.9869	1,814,626,969	0.4082	740,730,729
1995		1,690,097,258	0.9864	1,667,111,935	0.4106	684,516,161
1996		1,597,277,095	0.9789	1,563,574,548	0.4507	704,703,049
1997		1,309,689,584	0.9725	1,273,673,120	0.5553	707,270,684
1998		1,253,060,668	0.9660	1,210,456,605	0.6317	764,645,437
1999		1,270,170,884	0.9651	1,225,841,920	0.6703	821,681,839
2000		1,347,500,023	0.9925	1,337,393,773	0.6606	883,482,326
2001		1,449,996,838	0.9923	1,438,831,862	0.6593	948,621,847
2002		1,519,281,337	0.9929	1,508,494,440	0.6529	984,896,020
2003		1,599,553,706	0.9910	1,585,157,723	0.6598	1,045,887,066
2004		1,719,651,688	0.9906	1,703,486,962	0.6499	1,107,096,177
2005		1,892,694,187	0.9912	1,876,038,478	0.6566	1,231,806,865
2006		1,867,190,722	0.9897	1,847,958,658	0.7036	1,300,223,712
2007		1,924,385,725	0.9873	1,899,946,026	0.7102	1,349,341,668
2008		1,766,441,787	0.9862	1,742,064,890	0.7561	1,317,175,263
2009		1,576,068,504	0.9859	1,553,845,938	0.8008	1,244,319,827
2010		1,670,592,258	0.9859	1,647,036,907	0.8045	1,325,041,192
2011		1,741,490,975	0.9862	1,717,458,400	0.7980	1,370,531,803
2012		1,663,296,835	0.9858	1,639,678,020	0.8285	1,358,473,240
2013		1,640,692,879	0.9853	1,616,574,694	0.8679	1,403,025,177
2014		1,631,776,326	0.9857	1,608,441,925	0.9113	1,465,773,126
2015		1,620,748,674	0.9853	1,596,923,668	0.9665	1,543,426,725

INDEMNITY	Inc. LDF 09-10	Inc. LDF 10-11	Inc. LDF 11-12	Inc. LDF 12-13	Inc. LDF 13-14	Inc. LDF 14-15	Inc. LDF 15-16	2 Yr. Avg. LDF	Selected Inc. LDF
Beyond	1.0022	1.0041	1.0009	1.0010	1.0010	1.0017	1.0004	1.0011	1.0009
28-29						1.0010	0.9992	1.0001	1.0001
27-28					1.0001	1.0005	1.0004	1.0005	1.0005
26-27				1.0010	1.0006	0.9996	1.0005	1.0001	1.0001
25-26			1.0005	0.9994	1.0002	1.0019	1.0006	1.0013	1.0013
24-25		1.0007	1.0010	0.9999	0.9996	1.0002	1.0008	1.0005	1.0005
23-24	1.0017	1.0002	0.9975	1.0009	1.0001	1.0006	1.0011	1.0009	1.0009
22-23	0.9995	1.0015	1.0022	1.0009	1.0000	0.9989	1.0002	0.9996	0.9996
21-22	1.0004	1.0037	1.0001	0.9990	0.9995	1.0003	1.0017	1.0010	1.0010
20-21	0.9998	1.0010	1.0013	0.9992	1.0017	1.0008	0.9984	0.9996	0.9996
19-20	1.0002	1.0007	1.0025	1.0011	1.0002	1.0004	1.0003	1.0004	1.0004
18-19	1.0027	1.0023	0.9999	1.0025	1.0011	0.9970	1.0021	0.9996	0.9996
17-18	0.9989	1.0023	1.0011	1.0009	1.0002	0.9996	1.0003	1.0000	1.0000
16-17	0.9998	1.0026	1.0012	0.9998	0.9983	0.9996	1.0005	1.0001	1.0001
15-16	0.9994	1.0005	1.0028	1.0014	1.0010	0.9995	0.9996	0.9996	0.9996
14-15	1.0006	1.0005	1.0021	1.0005	1.0004	0.9998	1.0021	1.0010	1.0010
13-14	1.0012	1.0005	0.9975	0.9997	0.9993	0.9996	1.0010	1.0003	1.0003
12-13	0.9990	1.0007	1.0009	1.0015	1.0014	0.9986	1.0013	1.0000	1.0000
11-12	1.0000	1.0020	1.0017	1.0051	1.0007	0.9998	1.0012	1.0005	1.0005
10-11	1.0000	1.0038	1.0028	1.0020	0.9996	1.0024	1.0009	1.0003	1.0003
9-10	1.0042	1.0029	0.9996	1.0022	1.0018	1.0013	1.0023	1.0018	1.0018
8-9	1.0022	1.0095	1.0032	1.0050	1.0026	0.9989	1.0017	1.0003	1.0003
7-8	1.0094	1.0132	1.0041	1.0025	1.0035	1.0003	1.0005	1.0004	1.0004
6-7	1.0125	1.0146	1.0016	1.0068	1.0025	1.0028	1.0074	1.0051	1.0051
5-6	1.0129	1.0133	1.0016	1.0000	1.0034	1.0112	1.0000	1.0056	1.0056
4-5	1.0159	1.0192	1.0017	1.0089	1.0037	1.0060	1.0092	1.0076	1.0076
3-4	1.0399	1.0333	1.0212	1.0291	1.0337	1.0240	1.0468	1.0354	1.0354
2-3	1.1189	1.1048	1.0957	1.1100	1.0992	1.1086	1.1276	1.1181	1.1181
1-2	1.3976	1.4153	1.4141	1.3937	1.3808	1.3936	1.4018	1.3977	1.3977

INDEMNITY	Paid LDF 09-10	Paid LDF 10-11	Paid LDF 11-12	Paid LDF 12-13	Paid LDF 13-14	Paid LDF 14-15	Paid LDF 15-16	2 Yr. Avg. LDF	Selected Paid LDF
28-29						1.0031	1.0016	1.0024	1.0024
27-28					1.0026	1.0021	1.0020	1.0021	1.0021
26-27				1.0031	1.0020	1.0021	1.0029	1.0025	1.0025
25-26			1.0037	1.0030	1.0025	1.0031	1.0028	1.0030	1.0030
24-25		1.0032	1.0035	1.0024	1.0033	1.0032	1.0035	1.0034	1.0034
23-24	1.0042	1.0033	1.0035	1.0037	1.0030	1.0034	1.0039	1.0037	1.0037
22-23	1.0040	1.0033	1.0040	1.0033	1.0033	1.0039	1.0040	1.0040	1.0040
21-22	1.0040	1.0032	1.0034	1.0037	1.0049	1.0043	1.0046	1.0045	1.0045
20-21	1.0036	1.0038	1.0042	1.0052	1.0049	1.0045	1.0038	1.0042	1.0042
19-20	1.0048	1.0051	1.0055	1.0053	1.0054	1.0034	1.0031	1.0033	1.0033
18-19	1.0058	1.0050	1.0051	1.0068	1.0043	1.0028	1.0018	1.0023	1.0023
17-18	1.0075	1.0064	1.0050	1.0039	1.0034	1.0029	1.0019	1.0024	1.0024
16-17	1.0082	1.0057	1.0057	1.0049	1.0039	1.0026	1.0017	1.0022	1.0022
15-16	1.0071	1.0053	1.0038	1.0026	1.0024	1.0013	1.0022	1.0018	1.0018
14-15	1.0063	1.0057	1.0036	1.0024	1.0019	1.0031	1.0026	1.0029	1.0029
13-14	1.0059	1.0042	1.0010	1.0022	1.0037	1.0040	1.0040	1.0040	1.0040
12-13	1.0046	1.0059	1.0043	1.0051	1.0049	1.0054	1.0048	1.0051	1.0051
11-12	1.0058	1.0075	1.0073	1.0074	1.0057	1.0071	1.0066	1.0069	1.0069
10-11	1.0078	1.0073	1.0067	1.0108	1.0083	1.0094	1.0076	1.0085	1.0085
9-10	1.0111	1.0073	1.0130	1.0100	1.0118	1.0083	1.0086	1.0085	1.0085
8-9	1.0104	1.0150	1.0139	1.0138	1.0125	1.0131	1.0107	1.0119	1.0119
7-8	1.0244	1.0176	1.0223	1.0175	1.0152	1.0144	1.0116	1.0130	1.0130
6-7	1.0316	1.0281	1.0214	1.0266	1.0184	1.0131	1.0231	1.0181	1.0181
5-6	1.0445	1.0396	1.0388	1.0272	1.0291	1.0356	1.0267	1.0312	1.0312
4-5	1.0704	1.0697	1.0529	1.0494	1.0465	1.0493	1.0443	1.0468	1.0468
3-4	1.1419	1.1252	1.1096	1.1150	1.1133	1.1011	1.1148	1.1080	1.1080
2-3	1.3121	1.2832	1.2813	1.2987	1.2852	1.2606	1.2920	1.2763	1.2763
1-2	1.9318	1.9161	1.9338	1.9079	1.9105	1.9193	1.9560	1.9377	1.9377

INDEMNITY	Pd-Inc. LDF 09-10	Pd-Inc. LDF 10-11	Pd-Inc. LDF 11-12	Pd-Inc. LDF 12-13	Pd-Inc. LDF 13-14	Pd-Inc. LDF 14-15	Pd-Inc. LDF 15-16	2 Yr. Avg. LDF	Selected LDF
28-29						1.0218	1.0136	1.0177	1.0177
27-28					1.0229	1.0165	1.0176	1.0171	1.0171
26-27				1.0260	1.0178	1.0192	1.0241	1.0217	1.0217
25-26			1.0287	1.0200	1.0216	1.0267	1.0235	1.0251	1.0251
24-25		1.0314	1.0244	1.0237	1.0274	1.0261	1.0318	1.0290	1.0290
23-24	1.0348	1.0265	1.0275	1.0316	1.0278	1.0345	1.0345	1.0345	1.0345
22-23	1.0303	1.0333	1.0352	1.0309	1.0356	1.0374	1.0359	1.0367	1.0367
21-22	1.0358	1.0359	1.0337	1.0393	1.0417	1.0402	1.0414	1.0408	1.0408
20-21	1.0356	1.0373	1.0453	1.0472	1.0429	1.0443	1.0308	1.0376	1.0376
19-20	1.0411	1.0486	1.0542	1.0466	1.0465	1.0359	1.0292	1.0326	1.0326
18-19	1.0542	1.0563	1.0508	1.0531	1.0379	1.0318	1.0167	1.0243	1.0243
17-18	1.0616	1.0576	1.0561	1.0407	1.0358	1.0175	1.0132	1.0154	1.0154
16-17	1.0638	1.0605	1.0451	1.0407	1.0205	1.0156	1.0144	1.0150	1.0150
15-16	1.0652	1.0493	1.0450	1.0248	1.0167	1.0151	1.0162	1.0157	1.0157
14-15	1.0553	1.0478	1.0270	1.0182	1.0168	1.0198	1.0194	1.0196	1.0196
13-14	1.0535	1.0291	1.0186	1.0186	1.0220	1.0213	1.0309	1.0261	1.0261
12-13	1.0333	1.0273	1.0240	1.0281	1.0252	1.0355	1.0351	1.0353	1.0353
11-12	1.0323	1.0305	1.0339	1.0314	1.0406	1.0409	1.0494	1.0452	1.0452
10-11	1.0370	1.0401	1.0330	1.0510	1.0484	1.0577	1.0396	1.0487	1.0487
9-10	1.0465	1.0374	1.0626	1.0563	1.0699	1.0476	1.0470	1.0473	1.0473
8-9	1.0446	1.0789	1.0686	1.0820	1.0588	1.0581	1.0486	1.0534	1.0534
7-8	1.0945	1.0838	1.1010	1.0744	1.0747	1.0617	1.0498	1.0558	1.0558
6-7	1.1035	1.1274	1.0948	1.0994	1.0812	1.0627	1.0603	1.0615	1.0615
5-6	1.1606	1.1362	1.1344	1.1078	1.0899	1.0897	1.0776	1.0837	1.0837
4-5	1.2002	1.2115	1.1666	1.1398	1.1271	1.1311	1.1150	1.1231	1.1231
3-4	1.3573	1.3101	1.2531	1.2520	1.2518	1.2155	1.2418	1.2287	1.2287
2-3	1.6641	1.5739	1.5589	1.5712	1.5243	1.4941	1.5057	1.4999	1.4999
1-2	2.752	2.724	2.7369	2.6447	2.5785	2.5626	2.5336	2.5481	2.5481

INDEMNITY	Selected Paid LDF	Selected Pd-Incur LDF	Selected Incurred LDF
Beyond			1.0009
28-29	1.0024	1.0177	1.0001
27-28	1.0021	1.0171	1.0005
26-27	1.0025	1.0217	1.0001
25-26	1.0030	1.0251	1.0013
24-25	1.0034	1.0290	1.0005
23-24	1.0037	1.0345	1.0009
22-23	1.0040	1.0367	0.9996
21-22	1.0045	1.0408	1.0010
20-21	1.0042	1.0376	0.9996
19-20	1.0033	1.0326	1.0004
18-19	1.0023	1.0243	0.9996
17-18	1.0024	1.0154	1.0000
16-17	1.0022	1.0150	1.0001
15-16	1.0018	1.0157	0.9996
14-15	1.0029	1.0196	1.0010
13-14	1.0040	1.0261	1.0003
12-13	1.0051	1.0353	1.0000
11-12	1.0069	1.0452	1.0005
10-11	1.0085	1.0487	1.0003
9-10	1.0085	1.0473	1.0018
8-9	1.0119	1.0534	1.0003
7-8	1.0130	1.0558	1.0004
6-7	1.0181	1.0615	1.0051
5-6	1.0312	1.0837	1.0056
4-5	1.0468	1.1231	1.0076
3-4	1.1080	1.2287	1.0354
2-3	1.2763	1.4999	1.1181
1-2	1.9377	2.5481	1.3977

INDEMNITY	Policy Year	Incurred LDF	Paid to 29th LDF
Beyond		1.0009	1.0009
28-29	1988	1.0001	1.0177
27-28	1989	1.0005	1.0021
26-27	1990	1.0001	1.0025
25-26	1991	1.0013	1.0030
24-25	1992	1.0005	1.0034
23-24	1993	1.0009	1.0037
22-23	1994	0.9996	1.0040
21-22	1995	1.0010	1.0045
20-21	1996	0.9996	1.0042
19-20	1997	1.0004	1.0033
18-19	1998	0.9996	1.0023
17-18	1999	1.0000	1.0024
16-17	2000	1.0001	1.0022
15-16	2001	0.9996	1.0018
14-15	2002	1.0010	1.0029
13-14	2003	1.0003	1.0040
12-13	2004	1.0000	1.0051
11-12	2005	1.0005	1.0069
10-11	2006	1.0003	1.0085
9-10	2007	1.0018	1.0085
8-9	2008	1.0003	1.0119
7-8	2009	1.0004	1.0130
6-7	2010	1.0051	1.0181
5-6	2011	1.0056	1.0312
4-5	2012	1.0076	1.0468
3-4	2013	1.0354	1.1080
2-3	2014	1.1181	1.2763
1-2	2015	1.3977	1.9377

INDEMNITY	Policy Year	Incurred Cum LDF	Paid to 29th Cum LDF
Beyond		1.0009	1.0009
28-29	1988	1.0010	1.0186
27-28	1989	1.0015	1.0208
26-27	1990	1.0016	1.0233
25-26	1991	1.0029	1.0264
24-25	1992	1.0034	1.0299
23-24	1993	1.0043	1.0337
22-23	1994	1.0039	1.0378
21-22	1995	1.0049	1.0425
20-21	1996	1.0045	1.0469
19-20	1997	1.0049	1.0503
18-19	1998	1.0045	1.0527
17-18	1999	1.0045	1.0553
16-17	2000	1.0046	1.0576
15-16	2001	1.0042	1.0595
14-15	2002	1.0052	1.0626
13-14	2003	1.0055	1.0668
12-13	2004	1.0055	1.0722
11-12	2005	1.0060	1.0796
10-11	2006	1.0063	1.0888
9-10	2007	1.0081	1.0981
8-9	2008	1.0084	1.1111
7-8	2009	1.0088	1.1256
6-7	2010	1.0140	1.1460
5-6	2011	1.0197	1.1817
4-5	2012	1.0274	1.2370
3-4	2013	1.0638	1.3706
2-3	2014	1.1894	1.7493
1-2	2015	1.6624	3.3897

INDEMNITY	Policy Year	Benefit Level Factor	LAE
Beyond			
28-29	1988	0.9943	1.0000
27-28	1989	0.9943	1.0000
26-27	1990	0.9943	1.0000
25-26	1991	0.9943	1.0000
24-25	1992	0.9946	1.0000
23-24	1993	0.9987	1.0000
22-23	1994	1.0000	1.0000
21-22	1995	1.0000	1.0000
20-21	1996	1.0000	1.0000
19-20	1997	1.0000	1.0000
18-19	1998	1.0000	1.0000
17-18	1999	1.0000	1.0000
16-17	2000	1.0000	1.0000
15-16	2001	1.0000	1.0000
14-15	2002	1.0000	1.0000
13-14	2003	1.0000	1.0000
12-13	2004	1.0000	1.0000
11-12	2005	1.0000	1.0000
10-11	2006	1.0000	1.0000
9-10	2007	1.0000	1.0000
8-9	2008	1.0000	1.0000
7-8	2009	1.0000	1.0000
6-7	2010	1.0000	1.0000
5-6	2011	1.0000	1.0000
4-5	2012	1.0000	1.0000
3-4	2013	1.0000	1.0000
2-3	2014	1.0000	1.0000
1-2	2015	1.0000	1.0000

INDEMNITY		Policy Year	Incurred Base	Paid to 29th Base
Beyond				
28-29	1988		982,554,826	967,441,515
27-28	1989		1,143,500,362	1,119,923,195
26-27	1990		1,169,073,351	1,145,499,500
25-26	1991		1,017,162,457	989,273,902
24-25	1992		862,729,147	837,249,307
23-24	1993		753,937,302	730,687,430
22-23	1994		693,344,871	668,799,448
21-22	1995		587,692,565	572,323,066
20-21	1996		506,812,436	493,974,698
19-20	1997		515,949,062	508,378,127
18-19	1998		517,272,656	511,498,818
17-18	1999		588,765,409	581,411,687
16-17	2000		630,701,216	621,976,987
15-16	2001		642,664,471	632,063,152
14-15	2002		671,622,783	654,094,689
13-14	2003		659,536,834	640,230,138
12-13	2004		700,956,523	672,358,169
11-12	2005		706,934,267	685,176,580
10-11	2006		730,928,075	704,161,029
9-10	2007		759,875,681	732,423,301
8-9	2008		711,416,963	685,516,071
7-8	2009		644,870,680	622,237,889
6-7	2010		669,471,174	637,884,831
5-6	2011		652,364,081	610,965,237
4-5	2012		615,205,664	552,310,587
3-4	2013		629,326,300	540,005,496
2-3	2014		565,769,467	436,799,506
1-2	2015		406,187,268	246,630,645

INDEMNITY		Policy Year	Proj Ult Incurred (Avg Pd & Inc)	Proj Ult Incurred (Incur)	Proj Ult Incurred (Pd-29)
Beyond					
28-29	1988		984,486,654	983,537,381	985,435,927
27-28	1989		1,144,216,605	1,145,215,613	1,143,217,597
26-27	1990		1,171,566,753	1,170,943,868	1,172,189,638
25-26	1991		1,017,751,481	1,020,112,228	1,015,390,733
24-25	1992		863,972,744	865,662,426	862,283,061
23-24	1993		756,245,414	757,179,232	755,311,596
22-23	1994		695,064,492	696,048,916	694,080,067
21-22	1995		593,609,528	590,572,259	596,646,796
20-21	1996		513,117,602	509,093,092	517,142,111
19-20	1997		526,213,380	518,477,212	533,949,547
18-19	1998		529,027,595	519,600,383	538,454,806
17-18	1999		602,489,303	591,414,853	613,563,753
16-17	2000		645,702,652	633,602,442	657,802,861
15-16	2001		657,517,286	645,363,662	669,670,910
14-15	2002		685,078,119	675,115,221	695,041,017
13-14	2003		673,080,899	663,164,287	682,997,511
12-13	2004		712,857,107	704,811,784	720,902,429
11-12	2005		725,446,255	711,175,873	739,716,636
10-11	2006		751,111,725	735,532,922	766,690,528
9-10	2007		785,152,351	766,030,674	804,274,027
8-9	2008		739,534,886	717,392,865	761,676,906
7-8	2009		675,468,255	650,545,542	700,390,968
6-7	2010		704,929,893	678,843,770	731,016,016
5-6	2011		693,596,637	665,215,653	721,977,621
4-5	2012		657,635,248	632,062,299	683,208,196
3-4	2013		704,804,426	669,477,318	740,131,533
2-3	2014		718,509,790	672,926,204	764,093,376
1-2	2015		755,624,806	675,245,714	836,003,897

INDEMNITY		Policy Year	Adjusted Incurred (Avg Pd & Inc)	Adjusted Incurred (Incur)	Adjusted Incurred (Pd-29)
Beyond					
28-29	1988		978,875,080	977,931,218	979,818,942
27-28	1989		1,137,694,570	1,138,687,884	1,136,701,257
26-27	1990		1,164,888,823	1,164,269,488	1,165,508,157
25-26	1991		1,011,950,298	1,014,297,588	1,009,603,006
24-25	1992		859,307,291	860,987,849	857,626,732
23-24	1993		755,262,295	756,194,899	754,329,691
22-23	1994		695,064,492	696,048,916	694,080,067
21-22	1995		593,609,528	590,572,259	596,646,796
20-21	1996		513,117,602	509,093,092	517,142,111
19-20	1997		526,213,380	518,477,212	533,949,547
18-19	1998		529,027,595	519,600,383	538,454,806
17-18	1999		602,489,303	591,414,853	613,563,753
16-17	2000		645,702,652	633,602,442	657,802,861
15-16	2001		657,517,286	645,363,662	669,670,910
14-15	2002		685,078,119	675,115,221	695,041,017
13-14	2003		673,080,899	663,164,287	682,997,511
12-13	2004		712,857,107	704,811,784	720,902,429
11-12	2005		725,446,255	711,175,873	739,716,636
10-11	2006		751,111,725	735,532,922	766,690,528
9-10	2007		785,152,351	766,030,674	804,274,027
8-9	2008		739,534,886	717,392,865	761,676,906
7-8	2009		675,468,255	650,545,542	700,390,968
6-7	2010		704,929,893	678,843,770	731,016,016
5-6	2011		693,596,637	665,215,653	721,977,621
4-5	2012		657,635,248	632,062,299	683,208,196
3-4	2013		704,804,426	669,477,318	740,131,533
2-3	2014		718,509,790	672,926,204	764,093,376
1-2	2015		755,624,806	675,245,714	836,003,897

INDEMNITY

Policy Year	Loss Ratio (Avg Pd & Inc)	Loss Ratio (Incur)	Loss Ratio (Pd-29)
1988	0.9520	0.9511	0.9529
1989	1.1160	1.1170	1.1151
1990	1.1010	1.1004	1.1016
1991	1.0831	1.0856	1.0806
1992	0.9942	0.9961	0.9922
1993	0.9835	0.9847	0.9823
1994	0.9383	0.9397	0.9370
1995	0.8672	0.8628	0.8716
1996	0.7281	0.7224	0.7338
1997	0.7440	0.7331	0.7549
1998	0.6919	0.6795	0.7042
1999	0.7332	0.7198	0.7467
2000	0.7309	0.7172	0.7446
2001	0.6931	0.6803	0.7059
2002	0.6956	0.6855	0.7057
2003	0.6436	0.6341	0.6530
2004	0.6439	0.6366	0.6512
2005	0.5889	0.5773	0.6005
2006	0.5777	0.5657	0.5897
2007	0.5819	0.5677	0.5960
2008	0.5615	0.5446	0.5783
2009	0.5428	0.5228	0.5629
2010	0.5320	0.5123	0.5517
2011	0.5061	0.4854	0.5268
2012	0.4841	0.4653	0.5029
2013	0.5023	0.4772	0.5275
2014	0.4902	0.4591	0.5213
2015	0.4896	0.4375	0.5417

INDEMNITY FREQUENCY

Policy Year	Claim Frequency	Normalized Frequency	Trend Factor to 1/1/16	Selected Ann Trend Factor	Trend Period # Years	Trend 1/1/16-4/1/19	Combined Trend Factor
				-5.6%	1		
				-5.6%	1		
				-5.6%	1.25		
2004	23.71	1.0000					
2005	22.03	0.9291					
2006	21.22	0.8950					
2007	19.98	0.8427					
2008	18.46	0.7786					
2009	17.85	0.7528					
2010	17.59	0.7419					
2011	16.49	0.6955					
2012	15.43	0.6508					
2013	15.08	0.6360	0.8918			0.8303	0.7405
2014	13.82	0.5829	0.9444			0.8303	0.7841
2015	12.66	0.5340	1.0000			0.8303	0.8303

INDEMNITY SEVERITY RATIOS

Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
2004	0.6439	0.6366	0.6512
2005	0.6338	0.6213	0.6463
2006	0.6455	0.6321	0.6589
2007	0.6905	0.6737	0.7073
2008	0.7212	0.6995	0.7428
2009	0.7210	0.6944	0.7477
2010	0.7171	0.6905	0.7437
2011	0.7277	0.6979	0.7575
2012	0.7439	0.7150	0.7728
2013	0.7898	0.7503	0.8294
2014	0.8410	0.7876	0.8944
2015	0.9169	0.8194	1.0145

INDEMNITY Linear FITTED	Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	2012	0.7374	0.7155	0.7593
	2013	0.7944	0.7506	0.8383
	2014	0.8514	0.7856	0.9173
	2015	0.9084	0.8207	0.9963
5 Point	2011	0.7088	0.6909	0.7266
	2012	0.7563	0.7225	0.7902
	2013	0.8039	0.7540	0.8537
	2014	0.8514	0.7856	0.9173
	2015	0.8990	0.8172	0.9808
6 Point	2010	0.6905	0.6757	0.7053
	2011	0.7301	0.7028	0.7573
	2012	0.7696	0.7299	0.8094
	2013	0.8092	0.7570	0.8614
	2014	0.8487	0.7841	0.9134
	2015	0.8883	0.8112	0.9655
7 Point	2009	0.6835	0.6698	0.6971
	2010	0.7155	0.6920	0.7390
	2011	0.7476	0.7142	0.7809
	2012	0.7796	0.7364	0.8229
	2013	0.8117	0.7586	0.8648
	2014	0.8437	0.7808	0.9067
	2015	0.8758	0.8030	0.9486
8 Point	2008	0.6805	0.6693	0.6917
	2009	0.7067	0.6871	0.7263
	2010	0.7330	0.7050	0.7609
	2011	0.7592	0.7229	0.7955
	2012	0.7854	0.7408	0.8302
	2013	0.8117	0.7586	0.8648
	2014	0.8379	0.7765	0.8994
	2015	0.8642	0.7944	0.9340
9 Point	2007	0.6679	0.6598	0.6760
	2008	0.6918	0.6762	0.7073
	2009	0.7156	0.6926	0.7386
	2010	0.7394	0.7090	0.7699
	2011	0.7632	0.7254	0.8011
	2012	0.7871	0.7418	0.8324
	2013	0.8109	0.7581	0.8637
	2014	0.8347	0.7745	0.8949
	2015	0.8585	0.7909	0.9262
10 Point	2006	0.6446	0.6395	0.6497
	2007	0.6683	0.6565	0.6802
	2008	0.6921	0.6735	0.7107
	2009	0.7158	0.6905	0.7412
	2010	0.7396	0.7075	0.7717
	2011	0.7633	0.7245	0.8021
	2012	0.7871	0.7416	0.8326
	2013	0.8108	0.7586	0.8631
	2014	0.8346	0.7756	0.8936
	2015	0.8583	0.7926	0.9241

INDEMNITY Linear TRENDED		Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	Fitted	1.0937	0.9346	1.2531
5 Point	Fitted	1.0535	0.9197	1.1874
6 Point	Fitted	1.0169	0.8993	1.1346
7 Point	Fitted	0.9800	0.8752	1.0848
8 Point	Fitted	0.9494	0.8525	1.0465
9 Point	Fitted	0.9360	0.8442	1.0278
10 Point	Fitted	0.9355	0.8478	1.0233

INDEMNITY Linear Severity Trend Factor		Sev Trend Factor (Avg Pd & Inc)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-29)
4 Point	2013	1.3768	1.2452	1.4948
	2014	1.2846	1.1896	1.3661
	2015	1.2040	1.1388	1.2577
5 Point	2013	1.3105	1.2197	1.3909
	2014	1.2374	1.1707	1.2945
	2015	1.1719	1.1255	1.2106
6 Point	2013	1.2567	1.1880	1.3172
	2014	1.1981	1.1469	1.2421
	2015	1.1448	1.1086	1.1752
7 Point	2013	1.2073	1.1536	1.2545
	2014	1.1615	1.1208	1.1965
	2015	1.1190	1.0898	1.1436
8 Point	2013	1.1697	1.1237	1.2102
	2014	1.1331	1.0979	1.1636
	2015	1.0987	1.0731	1.1205
9 Point	2013	1.1542	1.1135	1.1901
	2014	1.1213	1.0899	1.1485
	2015	1.0902	1.0673	1.1097
10 Point	2013	1.1538	1.1177	1.1855
	2014	1.1209	1.0932	1.1450
	2015	1.0899	1.0697	1.1073

INDEMNITY Expon'l FITTED	Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	2012	0.7397	0.7162	0.7639
	2013	0.7926	0.7497	0.8352
	2014	0.8492	0.7848	0.9131
	2015	0.9099	0.8215	0.9983
5 Point	2011	0.7126	0.6924	0.7334
	2012	0.7555	0.7219	0.7890
	2013	0.8010	0.7527	0.8488
	2014	0.8492	0.7848	0.9131
	2015	0.9004	0.8183	0.9823
6 Point	2010	0.6953	0.6778	0.7135
	2011	0.7304	0.7028	0.7581
	2012	0.7672	0.7287	0.8055
	2013	0.8059	0.7555	0.8558
	2014	0.8466	0.7834	0.9093
	2015	0.8893	0.8122	0.9662
7 Point	2009	0.6887	0.6723	0.7059
	2010	0.7169	0.6926	0.7414
	2011	0.7462	0.7135	0.7788
	2012	0.7767	0.7350	0.8180
	2013	0.8084	0.7571	0.8591
	2014	0.8414	0.7800	0.9024
	2015	0.8758	0.8035	0.9478
8 Point	2008	0.6858	0.6717	0.7007
	2009	0.7088	0.6880	0.7298
	2010	0.7325	0.7047	0.7602
	2011	0.7570	0.7218	0.7919
	2012	0.7823	0.7392	0.8248
	2013	0.8084	0.7571	0.8591
	2014	0.8354	0.7755	0.8949
	2015	0.8634	0.7943	0.9321
9 Point	2007	0.6737	0.6625	0.6856
	2008	0.6944	0.6774	0.7117
	2009	0.7157	0.6925	0.7388
	2010	0.7376	0.7081	0.7670
	2011	0.7603	0.7239	0.7963
	2012	0.7836	0.7401	0.8267
	2013	0.8077	0.7567	0.8582
	2014	0.8325	0.7736	0.8909
	2015	0.8580	0.7910	0.9249
10 Point	2006	0.6508	0.6425	0.6599
	2007	0.6712	0.6578	0.6851
	2008	0.6923	0.6734	0.7113
	2009	0.7141	0.6894	0.7385
	2010	0.7365	0.7058	0.7668
	2011	0.7596	0.7226	0.7962
	2012	0.7835	0.7398	0.8266
	2013	0.8081	0.7574	0.8582
	2014	0.8334	0.7754	0.8911
	2015	0.8596	0.7938	0.9252

INDEMNITY Expon'l TRENDED		Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	Fitted	1.1387	0.9532	1.3339
5 Point	Fitted	1.0889	0.9373	1.2455
6 Point	Fitted	1.0436	0.9136	1.1765
7 Point	Fitted	0.9976	0.8850	1.1118
8 Point	Fitted	0.9607	0.8585	1.0642
9 Point	Fitted	0.9467	0.8500	1.0445
10 Point	Fitted	0.9505	0.8568	1.0453

INDEMNITY Expon'l Severity Trend Factor		Sev Trend Factor (Avg Pd & Inc)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-29)
4 Point	2013	1.4366	1.2714	1.5971
	2014	1.3408	1.2146	1.4609
	2015	1.2514	1.1603	1.3362
5 Point	2013	1.3594	1.2452	1.4673
	2014	1.2822	1.1943	1.3640
	2015	1.2094	1.1454	1.2679
6 Point	2013	1.2949	1.2093	1.3747
	2014	1.2327	1.1663	1.2939
	2015	1.1735	1.1248	1.2178
7 Point	2013	1.2341	1.1689	1.2941
	2014	1.1856	1.1346	1.2321
	2015	1.1391	1.1014	1.1731
8 Point	2013	1.1884	1.1339	1.2387
	2014	1.1500	1.1071	1.1892
	2015	1.1128	1.0809	1.1417
9 Point	2013	1.1720	1.1233	1.2171
	2014	1.1371	1.0987	1.1724
	2015	1.1033	1.0746	1.1294
10 Point	2013	1.1762	1.1313	1.2179
	2014	1.1404	1.1050	1.1730
	2015	1.1057	1.0794	1.1298

INDEMNITY Linear LR Trend Factor		LR Trend Factor (Avg Pd & Inc)	LR Trend Factor (Incur)	LR Trend Factor (Pd-29)
4 Point	2013	1.0195	0.9221	1.1069
	2014	1.0073	0.9328	1.0712
	2015	0.9997	0.9455	1.0443
5 Point	2013	0.9704	0.9032	1.0300
	2014	0.9702	0.9179	1.0150
	2015	0.9730	0.9345	1.0052
6 Point	2013	0.9306	0.8797	0.9754
	2014	0.9394	0.8993	0.9739
	2015	0.9505	0.9205	0.9758
7 Point	2013	0.8940	0.8542	0.9290
	2014	0.9107	0.8788	0.9382
	2015	0.9291	0.9049	0.9495
8 Point	2013	0.8662	0.8321	0.8962
	2014	0.8885	0.8609	0.9124
	2015	0.9123	0.8910	0.9304
9 Point	2013	0.8547	0.8245	0.8813
	2014	0.8792	0.8546	0.9005
	2015	0.9052	0.8862	0.9214
10 Point	2013	0.8544	0.8277	0.8779
	2014	0.8789	0.8572	0.8978
	2015	0.9049	0.8882	0.9194
INDEMNITY Expon'l LR Trend Factor		LR Trend Factor (Avg Pd & Inc)	LR Trend Factor (Incur)	LR Trend Factor (Pd-29)
4 Point	2013	1.0638	0.9415	1.1827
	2014	1.0513	0.9524	1.1455
	2015	1.0390	0.9634	1.1094
5 Point	2013	1.0066	0.9221	1.0865
	2014	1.0054	0.9365	1.0695
	2015	1.0042	0.9510	1.0527
6 Point	2013	0.9589	0.8955	1.0180
	2014	0.9666	0.9145	1.0145
	2015	0.9744	0.9339	1.0111
7 Point	2013	0.9139	0.8656	0.9583
	2014	0.9296	0.8896	0.9661
	2015	0.9458	0.9145	0.9740
8 Point	2013	0.8800	0.8397	0.9173
	2014	0.9017	0.8681	0.9325
	2015	0.9240	0.8975	0.9480
9 Point	2013	0.8679	0.8318	0.9013
	2014	0.8916	0.8615	0.9193
	2015	0.9161	0.8922	0.9377
10 Point	2013	0.8710	0.8377	0.9019
	2014	0.8942	0.8664	0.9197
	2015	0.9181	0.8962	0.9381

INDEMNITY Linear TRENDED LR	Base Policy Year	Trended LR (Avg Pd & Inc)	Trended LR (Incur)	Trended LR (Pd-29)
4 Point	2013	0.5121	0.4400	0.5839
	2014	0.4938	0.4282	0.5584
	2015	0.4895	0.4137	0.5657
	3 Yr Ave	0.4985	0.4273	0.5693
5 Point	2013	0.4874	0.4310	0.5433
	2014	0.4756	0.4214	0.5291
	2015	0.4764	0.4088	0.5445
	3 Yr Ave	0.4798	0.4204	0.5390
6 Point	2013	0.4674	0.4198	0.5145
	2014	0.4605	0.4129	0.5077
	2015	0.4654	0.4027	0.5286
	3 Yr Ave	0.4644	0.4118	0.5169
7 Point	2013	0.4491	0.4076	0.4900
	2014	0.4464	0.4035	0.4891
	2015	0.4549	0.3959	0.5143
	3 Yr Ave	0.4501	0.4023	0.4978
8 Point	2013	0.4351	0.3971	0.4727
	2014	0.4355	0.3952	0.4756
	2015	0.4467	0.3898	0.5040
	3 Yr Ave	0.4391	0.3940	0.4841
9 Point	2013	0.4293	0.3935	0.4649
	2014	0.4310	0.3923	0.4694
	2015	0.4432	0.3877	0.4991
	3 Yr Ave	0.4345	0.3912	0.4778
10 Point	2013	0.4292	0.3950	0.4631
	2014	0.4308	0.3935	0.4680
	2015	0.4430	0.3886	0.4980
	3 Yr Ave	0.4343	0.3924	0.4764

INDEMNITY Expon'l TRENDED LR	Base Policy Year	Trended LR (Avg Pd & Inc)	Trended LR (Incur)	Trended LR (Pd-29)
4 Point	2013	0.5343	0.4493	0.6239
	2014	0.5153	0.4372	0.5971
	2015	0.5087	0.4215	0.6010
	3 Yr Ave	0.5194	0.4360	0.6073
5 Point	2013	0.5056	0.4400	0.5731
	2014	0.4928	0.4299	0.5575
	2015	0.4917	0.4161	0.5702
	3 Yr Ave	0.4967	0.4287	0.5669
6 Point	2013	0.4817	0.4273	0.5370
	2014	0.4738	0.4198	0.5289
	2015	0.4771	0.4086	0.5477
	3 Yr Ave	0.4775	0.4186	0.5379
7 Point	2013	0.4591	0.4131	0.5055
	2014	0.4557	0.4084	0.5036
	2015	0.4631	0.4001	0.5276
	3 Yr Ave	0.4593	0.4072	0.5122
8 Point	2013	0.4420	0.4007	0.4839
	2014	0.4420	0.3985	0.4861
	2015	0.4524	0.3927	0.5135
	3 Yr Ave	0.4455	0.3973	0.4945
9 Point	2013	0.4359	0.3969	0.4754
	2014	0.4371	0.3955	0.4792
	2015	0.4485	0.3903	0.5080
	3 Yr Ave	0.4405	0.3942	0.4875
10 Point	2013	0.4375	0.3998	0.4758
	2014	0.4383	0.3978	0.4794
	2015	0.4495	0.3921	0.5082
	3 Yr Ave	0.4418	0.3966	0.4878

MEDICAL	Inc. LDF 09-10	Inc. LDF 10-11	Inc. LDF 11-12	Inc. LDF 12-13	Inc. LDF 13-14	Inc. LDF 14-15	Inc. LDF 15-16	2 Yr. Avg. LDF	Selected Inc. LDF
Beyond	1.0415	1.0726	1.0139	1.0059	1.0205	0.9953	1.0221	1.0087	1.0095
28-29						0.9983	1.0014	0.9999	0.9999
27-28					1.0036	1.0022	1.0019	1.0021	1.0021
26-27				1.0058	1.0056	0.9993	1.0066	1.0030	1.0030
25-26			1.0096	1.0099	1.0062	1.0096	1.0054	1.0075	1.0075
24-25		1.0050	1.0050	1.0109	1.0043	1.0037	0.9988	1.0013	1.0013
23-24	1.0228	1.0072	1.0037	1.0055	1.0089	1.0042	1.0044	1.0043	1.0043
22-23	1.0063	1.0125	1.0075	1.0066	1.0018	1.0016	1.0049	1.0033	1.0033
21-22	1.0076	1.0106	1.0029	1.0101	1.0051	1.0060	1.0044	1.0052	1.0052
20-21	1.0109	1.0094	1.0090	1.0091	1.0097	1.0070	0.9995	1.0033	1.0033
19-20	1.0094	1.0009	1.0098	1.0054	1.0085	1.0103	1.0060	1.0082	1.0082
18-19	1.0062	1.0095	1.0083	1.0051	1.0015	0.9937	1.0044	0.9991	0.9991
17-18	1.0091	1.0060	1.0197	1.0073	1.0120	1.0024	1.0005	1.0015	1.0015
16-17	1.0098	1.0141	1.0122	1.0111	1.0061	1.0001	1.0037	1.0019	1.0019
15-16	0.9985	1.0075	1.0083	1.0092	1.0040	0.9998	1.0052	1.0025	1.0025
14-15	1.0030	1.0077	1.0087	1.0073	1.0135	1.0052	1.0046	1.0049	1.0049
13-14	1.0074	1.0099	1.0080	1.0064	1.0042	1.0038	1.0044	1.0041	1.0041
12-13	1.0040	0.9911	1.0023	1.0079	1.0044	1.0094	1.0076	1.0085	1.0085
11-12	1.0100	1.0186	1.0034	1.0071	1.0165	1.0064	0.9996	1.0030	1.0030
10-11	1.0068	1.0033	1.0051	1.0103	1.0102	1.0012	1.0096	1.0054	1.0054
9-10	1.0122	1.0107	1.0031	1.0026	1.0118	1.0033	1.0039	1.0036	1.0036
8-9	1.0067	1.0151	1.0121	1.0145	1.0111	1.0075	1.0056	1.0066	1.0066
7-8	1.0127	1.0082	1.0051	1.0135	1.0219	0.9987	0.9996	0.9992	0.9992
6-7	1.0148	1.0112	0.9970	1.0067	1.0063	1.0086	1.0154	1.0120	1.0120
5-6	1.0230	1.0113	1.0077	1.0120	1.0076	0.9982	1.0002	0.9992	0.9992
4-5	1.0108	1.0126	0.9960	1.0130	1.0166	1.0061	1.0097	1.0079	1.0079
3-4	1.0234	1.0186	0.9998	1.0146	1.0139	0.9925	1.0126	1.0026	1.0026
2-3	1.0261	1.0374	1.0267	1.0340	1.0316	1.0252	1.0357	1.0305	1.0305
1-2	1.0823	1.0806	1.0825	1.0904	1.0682	1.0874	1.0905	1.0890	1.0890

MEDICAL	Paid LDF 09-10	Paid LDF 10-11	Paid LDF 11-12	Paid LDF 12-13	Paid LDF 13-14	Paid LDF 14-15	Paid LDF 15-16	2 Yr. Avg. LDF	Selected Paid LDF
28-29						1.0058	1.0088	1.0073	1.0073
27-28					1.0126	1.0072	1.0059	1.0066	1.0066
26-27				1.0108	1.0086	1.0069	1.0100	1.0085	1.0085
25-26			1.0085	1.0109	1.0087	1.0088	1.0077	1.0083	1.0083
24-25		1.0101	1.0081	1.0076	1.0083	1.0064	1.0059	1.0062	1.0062
23-24	1.0087	1.0103	1.0084	1.0106	1.0071	1.0068	1.0113	1.0091	1.0091
22-23	1.0090	1.0089	1.0096	1.0089	1.0081	1.0100	1.0075	1.0088	1.0088
21-22	1.0095	1.0081	1.0071	1.0098	1.0111	1.0098	1.0109	1.0104	1.0104
20-21	1.0108	1.0080	1.0087	1.0117	1.0112	1.0124	1.0058	1.0091	1.0091
19-20	1.0092	1.0098	1.0111	1.0128	1.0106	1.0074	1.0104	1.0089	1.0089
18-19	1.0103	1.0131	1.0098	1.0119	1.0082	1.0102	1.0104	1.0103	1.0103
17-18	1.0117	1.0094	1.0125	1.0120	1.0100	1.0092	1.0084	1.0088	1.0088
16-17	1.0090	1.0121	1.0173	1.0175	1.0091	1.0100	1.0075	1.0088	1.0088
15-16	1.0154	1.0091	1.0090	1.0106	1.0072	1.0076	1.0079	1.0078	1.0078
14-15	1.0120	1.0108	1.0107	1.0105	1.0129	1.0102	1.0095	1.0099	1.0099
13-14	1.0110	1.0112	1.0090	1.0111	1.0107	1.0067	1.0152	1.0110	1.0110
12-13	1.0101	1.0182	1.0127	1.0123	1.0085	1.0142	1.0102	1.0122	1.0122
11-12	1.0184	1.0132	1.0124	1.0119	1.0156	1.0110	1.0094	1.0102	1.0102
10-11	1.0142	1.0145	1.0101	1.0151	1.0126	1.0112	1.0110	1.0111	1.0111
9-10	1.0171	1.0119	1.0129	1.0130	1.0135	1.0142	1.0148	1.0145	1.0145
8-9	1.0132	1.0171	1.0164	1.0169	1.0148	1.0155	1.0140	1.0148	1.0148
7-8	1.0173	1.0167	1.0152	1.0168	1.0156	1.0142	1.0114	1.0128	1.0128
6-7	1.0206	1.0183	1.0180	1.0225	1.0226	1.0134	1.0138	1.0136	1.0136
5-6	1.0221	1.0200	1.0157	1.0204	1.0177	1.0162	1.0161	1.0162	1.0162
4-5	1.0266	1.0280	1.0252	1.0260	1.0251	1.0203	1.0184	1.0194	1.0194
3-4	1.0431	1.0436	1.0345	1.0410	1.0390	1.0350	1.0411	1.0381	1.0381
2-3	1.0786	1.0876	1.0802	1.0828	1.0831	1.0695	1.0851	1.0773	1.0773
1-2	1.2550	1.2466	1.2639	1.2548	1.2529	1.2528	1.2764	1.2646	1.2646

MEDICAL	Pd-Inc. LDF 09-10	Pd-Inc. LDF 10-11	Pd-Inc. LDF 11-12	Pd-Inc. LDF 12-13	Pd-Inc. LDF 13-14	Pd-Inc. LDF 14-15	Pd-Inc. LDF 15-16	2 Yr. Avg. LDF	Selected LDF
28-29						1.0640	1.0788	1.0714	1.0714
27-28					1.0816	1.0847	1.0654	1.0751	1.0751
26-27				1.0900	1.0904	1.0706	1.0845	1.0776	1.0776
25-26			1.0933	1.0960	1.0797	1.0867	1.0586	1.0727	1.0727
24-25		1.0936	1.0950	1.0811	1.0838	1.0595	1.0658	1.0627	1.0627
23-24	1.0969	1.0999	1.0787	1.0905	1.0619	1.0743	1.0735	1.0739	1.0739
22-23	1.1014	1.0840	1.0951	1.0618	1.0769	1.0793	1.0650	1.0722	1.0722
21-22	1.0809	1.0955	1.0618	1.0853	1.0882	1.0700	1.0782	1.0741	1.0741
20-21	1.0955	1.0676	1.0847	1.0952	1.0741	1.0865	1.0722	1.0794	1.0794
19-20	1.0672	1.0847	1.0978	1.0773	1.0881	1.0806	1.0876	1.0841	1.0841
18-19	1.0963	1.1009	1.0831	1.0914	1.0757	1.0919	1.0874	1.0897	1.0897
17-18	1.1030	1.0839	1.0999	1.0868	1.1056	1.0925	1.0820	1.0873	1.0873
16-17	1.0871	1.0911	1.0972	1.1116	1.0944	1.0919	1.0786	1.0853	1.0853
15-16	1.0915	1.0935	1.1096	1.0992	1.0917	1.0826	1.0685	1.0756	1.0756
14-15	1.0984	1.1133	1.1016	1.0987	1.1010	1.0736	1.0585	1.0661	1.0661
13-14	1.1168	1.1039	1.1006	1.0980	1.0764	1.0606	1.0805	1.0706	1.0706
12-13	1.1039	1.1121	1.1060	1.0848	1.0632	1.0909	1.0669	1.0789	1.0789
11-12	1.1442	1.1172	1.0892	1.0709	1.0940	1.0704	1.0691	1.0698	1.0698
10-11	1.1175	1.1006	1.0731	1.0922	1.0782	1.0812	1.0834	1.0823	1.0823
9-10	1.1134	1.0802	1.0968	1.0809	1.0942	1.0881	1.0834	1.0858	1.0858
8-9	1.0816	1.1117	1.0961	1.0996	1.1004	1.0955	1.0740	1.0848	1.0848
7-8	1.1138	1.1009	1.1004	1.1065	1.1042	1.0828	1.0738	1.0783	1.0783
6-7	1.1143	1.1148	1.1115	1.1046	1.1087	1.0881	1.0910	1.0896	1.0896
5-6	1.1268	1.1367	1.1143	1.1240	1.0978	1.0912	1.1131	1.1022	1.1022
4-5	1.1540	1.1365	1.1390	1.1177	1.1208	1.1348	1.0942	1.1145	1.1145
3-4	1.1707	1.1933	1.1408	1.1475	1.1723	1.1205	1.1315	1.1260	1.1260
2-3	1.2631	1.2401	1.2222	1.2486	1.2201	1.1943	1.2541	1.2242	1.2242
1-2	1.5001	1.4831	1.5264	1.4869	1.4602	1.5148	1.4608	1.4878	1.4878

MEDICAL	Selected Paid LDF	Selected Pd-Incur LDF	Selected Incurred LDF
Beyond			1.0095
28-29	1.0073	1.0714	0.9999
27-28	1.0066	1.0751	1.0021
26-27	1.0085	1.0776	1.0030
25-26	1.0083	1.0727	1.0075
24-25	1.0062	1.0627	1.0013
23-24	1.0091	1.0739	1.0043
22-23	1.0088	1.0722	1.0033
21-22	1.0104	1.0741	1.0052
20-21	1.0091	1.0794	1.0033
19-20	1.0089	1.0841	1.0082
18-19	1.0103	1.0897	0.9991
17-18	1.0088	1.0873	1.0015
16-17	1.0088	1.0853	1.0019
15-16	1.0078	1.0756	1.0025
14-15	1.0099	1.0661	1.0049
13-14	1.0110	1.0706	1.0041
12-13	1.0122	1.0789	1.0085
11-12	1.0102	1.0698	1.0030
10-11	1.0111	1.0823	1.0054
9-10	1.0145	1.0858	1.0036
8-9	1.0148	1.0848	1.0066
7-8	1.0128	1.0783	0.9992
6-7	1.0136	1.0896	1.0120
5-6	1.0162	1.1022	0.9992
4-5	1.0194	1.1145	1.0079
3-4	1.0381	1.1260	1.0026
2-3	1.0773	1.2242	1.0305
1-2	1.2646	1.4878	1.0890

MEDICAL	Policy Year	Incurred LDF	Paid to 29th LDF
Beyond		1.0095	1.0095
28-29	1988	0.9999	1.0714
27-28	1989	1.0021	1.0066
26-27	1990	1.0030	1.0085
25-26	1991	1.0075	1.0083
24-25	1992	1.0013	1.0062
23-24	1993	1.0043	1.0091
22-23	1994	1.0033	1.0088
21-22	1995	1.0052	1.0104
20-21	1996	1.0033	1.0091
19-20	1997	1.0082	1.0089
18-19	1998	0.9991	1.0103
17-18	1999	1.0015	1.0088
16-17	2000	1.0019	1.0088
15-16	2001	1.0025	1.0078
14-15	2002	1.0049	1.0099
13-14	2003	1.0041	1.0110
12-13	2004	1.0085	1.0122
11-12	2005	1.0030	1.0102
10-11	2006	1.0054	1.0111
9-10	2007	1.0036	1.0145
8-9	2008	1.0066	1.0148
7-8	2009	0.9992	1.0128
6-7	2010	1.0120	1.0136
5-6	2011	0.9992	1.0162
4-5	2012	1.0079	1.0194
3-4	2013	1.0026	1.0381
2-3	2014	1.0305	1.0773
1-2	2015	1.0890	1.2646

MEDICAL	Policy Year	Incurred Cum LDF	Paid to 29th Cum LDF
Beyond		1.0095	1.0095
28-29	1988	1.0094	1.0816
27-28	1989	1.0115	1.0887
26-27	1990	1.0146	1.0980
25-26	1991	1.0222	1.1071
24-25	1992	1.0235	1.1139
23-24	1993	1.0279	1.1241
22-23	1994	1.0313	1.1340
21-22	1995	1.0366	1.1458
20-21	1996	1.0401	1.1562
19-20	1997	1.0486	1.1665
18-19	1998	1.0477	1.1785
17-18	1999	1.0492	1.1889
16-17	2000	1.0512	1.1993
15-16	2001	1.0538	1.2087
14-15	2002	1.0590	1.2207
13-14	2003	1.0634	1.2341
12-13	2004	1.0724	1.2491
11-12	2005	1.0756	1.2619
10-11	2006	1.0814	1.2759
9-10	2007	1.0853	1.2944
8-9	2008	1.0925	1.3135
7-8	2009	1.0916	1.3304
6-7	2010	1.1047	1.3484
5-6	2011	1.1038	1.3703
4-5	2012	1.1125	1.3969
3-4	2013	1.1154	1.4501
2-3	2014	1.1494	1.5622
1-2	2015	1.2517	1.9755

MEDICAL	Policy Year	Benefit Level Factor	LAE
Beyond			
28-29	1988	1.0000	1.0000
27-28	1989	1.0000	1.0000
26-27	1990	1.0000	1.0000
25-26	1991	1.0000	1.0000
24-25	1992	1.0000	1.0000
23-24	1993	1.0000	1.0000
22-23	1994	1.0000	1.0000
21-22	1995	1.0000	1.0000
20-21	1996	1.0000	1.0000
19-20	1997	1.0000	1.0000
18-19	1998	1.0000	1.0000
17-18	1999	1.0000	1.0000
16-17	2000	1.0000	1.0000
15-16	2001	1.0000	1.0000
14-15	2002	1.0000	1.0000
13-14	2003	1.0000	1.0000
12-13	2004	1.0000	1.0000
11-12	2005	1.0000	1.0000
10-11	2006	1.0000	1.0000
9-10	2007	1.0000	1.0000
8-9	2008	1.0000	1.0000
7-8	2009	1.0000	1.0000
6-7	2010	1.0000	1.0000
5-6	2011	1.0000	1.0000
4-5	2012	1.0000	1.0000
3-4	2013	1.0000	1.0000
2-3	2014	1.0000	1.0000
1-2	2015	1.0000	1.0000

MEDICAL	Policy Year	Incurred Base	Paid to 29th Base
Beyond			
28-29	1988	530,096,741	500,522,830
27-28	1989	650,931,988	606,260,544
26-27	1990	675,236,229	642,773,747
25-26	1991	624,796,766	589,703,480
24-25	1992	572,316,006	539,156,677
23-24	1993	487,423,444	461,086,469
22-23	1994	459,685,357	430,985,760
21-22	1995	417,082,865	391,255,969
20-21	1996	409,645,488	380,560,173
19-20	1997	425,592,114	395,488,609
18-19	1998	447,683,004	417,212,389
17-18	1999	475,065,809	443,780,085
16-17	2000	507,246,267	478,485,540
15-16	2001	495,406,609	472,443,365
14-15	2002	543,750,938	510,867,434
13-14	2003	556,046,559	526,538,107
12-13	2004	607,439,108	573,508,156
11-12	2005	632,091,760	589,857,309
10-11	2006	641,590,242	600,978,001
9-10	2007	683,097,618	644,965,724
8-9	2008	620,979,499	584,880,586
7-8	2009	574,580,269	533,900,739
6-7	2010	632,800,603	577,651,984
5-6	2011	629,184,365	585,561,271
4-5	2012	587,904,549	540,940,529
3-4	2013	641,740,885	555,282,219
2-3	2014	616,540,479	538,727,874
1-2	2015	570,486,086	412,577,219

MEDICAL	Policy Year	Proj Ult Incurred (Avg Pd & Inc)	Proj Ult Incurred (Incur)	Proj Ult Incurred (Pd-29)
Beyond				
28-29	1988	538,222,572	535,079,650	541,365,493
27-28	1989	659,226,780	658,417,706	660,035,854
26-27	1990	695,430,126	685,094,678	705,765,574
25-26	1991	645,763,989	638,667,254	652,860,723
24-25	1992	593,166,028	585,765,432	600,566,623
23-24	1993	509,664,929	501,022,558	518,307,300
22-23	1994	481,405,681	474,073,509	488,737,852
21-22	1995	440,324,594	432,348,098	448,301,089
20-21	1996	433,037,972	426,072,272	440,003,672
19-20	1997	453,806,677	446,275,891	461,337,462
18-19	1998	480,361,142	469,037,483	491,684,800
17-18	1999	513,024,595	498,439,047	527,610,143
16-17	2000	553,532,492	533,217,276	573,847,708
15-16	2001	546,550,890	522,059,485	571,042,295
14-15	2002	599,724,060	575,832,243	623,615,877
13-14	2003	620,550,295	591,299,911	649,800,678
12-13	2004	683,893,369	651,417,699	716,369,038
11-12	2005	712,109,418	679,877,897	744,340,938
10-11	2006	730,301,760	693,815,688	766,787,831
9-10	2007	788,104,739	741,365,845	834,843,633
8-9	2008	723,330,377	678,420,103	768,240,650
7-8	2009	668,756,683	627,211,822	710,301,543
6-7	2010	738,980,381	699,054,826	778,905,935
5-6	2011	748,444,156	694,493,702	802,394,610
4-5	2012	704,841,818	654,043,811	755,639,825
3-4	2013	760,506,265	715,797,783	805,214,746
2-3	2014	775,126,156	708,651,627	841,600,685
1-2	2015	764,561,865	714,077,434	815,046,296

MEDICAL	Policy Year	Adjusted Incurred (Avg Pd & Inc)	Adjusted Incurred (Incur)	Adjusted Incurred (Pd-29)
Beyond				
28-29	1988	538,222,572	535,079,650	541,365,493
27-28	1989	659,226,780	658,417,706	660,035,854
26-27	1990	695,430,126	685,094,678	705,765,574
25-26	1991	645,763,989	638,667,254	652,860,723
24-25	1992	593,166,028	585,765,432	600,566,623
23-24	1993	509,664,929	501,022,558	518,307,300
22-23	1994	481,405,681	474,073,509	488,737,852
21-22	1995	440,324,594	432,348,098	448,301,089
20-21	1996	433,037,972	426,072,272	440,003,672
19-20	1997	453,806,677	446,275,891	461,337,462
18-19	1998	480,361,142	469,037,483	491,684,800
17-18	1999	513,024,595	498,439,047	527,610,143
16-17	2000	553,532,492	533,217,276	573,847,708
15-16	2001	546,550,890	522,059,485	571,042,295
14-15	2002	599,724,060	575,832,243	623,615,877
13-14	2003	620,550,295	591,299,911	649,800,678
12-13	2004	683,893,369	651,417,699	716,369,038
11-12	2005	712,109,418	679,877,897	744,340,938
10-11	2006	730,301,760	693,815,688	766,787,831
9-10	2007	788,104,739	741,365,845	834,843,633
8-9	2008	723,330,377	678,420,103	768,240,650
7-8	2009	668,756,683	627,211,822	710,301,543
6-7	2010	738,980,381	699,054,826	778,905,935
5-6	2011	748,444,156	694,493,702	802,394,610
4-5	2012	704,841,818	654,043,811	755,639,825
3-4	2013	760,506,265	715,797,783	805,214,746
2-3	2014	775,126,156	708,651,627	841,600,685
1-2	2015	764,561,865	714,077,434	815,046,296

MEDICAL	Policy Year	Loss Ratio (Avg Pd & Inc)	Loss Ratio (Incur)	Loss Ratio (Pd-29)
	1988	0.5235	0.5204	0.5265
	1989	0.6467	0.6459	0.6475
	1990	0.6573	0.6475	0.6671
	1991	0.6911	0.6836	0.6987
	1992	0.6863	0.6777	0.6948
	1993	0.6637	0.6524	0.6749
	1994	0.6499	0.6400	0.6598
	1995	0.6433	0.6316	0.6549
	1996	0.6145	0.6046	0.6244
	1997	0.6416	0.6310	0.6523
	1998	0.6282	0.6134	0.6430
	1999	0.6244	0.6066	0.6421
	2000	0.6265	0.6035	0.6495
	2001	0.5762	0.5503	0.6020
	2002	0.6089	0.5847	0.6332
	2003	0.5933	0.5654	0.6213
	2004	0.6177	0.5884	0.6471
	2005	0.5781	0.5519	0.6043
	2006	0.5617	0.5336	0.5897
	2007	0.5841	0.5494	0.6187
	2008	0.5492	0.5151	0.5832
	2009	0.5374	0.5041	0.5708
	2010	0.5577	0.5276	0.5878
	2011	0.5461	0.5067	0.5855
	2012	0.5188	0.4815	0.5562
	2013	0.5420	0.5102	0.5739
	2014	0.5288	0.4835	0.5742
	2015	0.4954	0.4627	0.5281

MEDICAL FREQUENCY	Policy Year	Claim Frequency	Normalized Frequency	Trend Factor to 1/1/16	Selected Ann Trend Factor	Trend Period # Years	Trend 1/1/16-4/1/19	Combined Trend Factor
					-5.6%	1		
					-5.6%	1		
					-5.6%	1.25		
	2004	23.71	1.0000					
	2005	22.03	0.9291					
	2006	21.22	0.8950					
	2007	19.98	0.8427					
	2008	18.46	0.7786					
	2009	17.85	0.7528					
	2010	17.59	0.7419					
	2011	16.49	0.6955					
	2012	15.43	0.6508					
	2013	15.08	0.6360	0.8918			0.8303	0.7405
	2014	13.82	0.5829	0.9444			0.8303	0.7841
	2015	12.66	0.5340	1.0000			0.8303	0.8303

MEDICAL SEVERITY RATIOS	Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
	2004	0.6177	0.5884	0.6471
	2005	0.6222	0.5940	0.6504
	2006	0.6276	0.5962	0.6589
	2007	0.6931	0.6520	0.7342
	2008	0.7054	0.6616	0.7491
	2009	0.7138	0.6696	0.7582
	2010	0.7517	0.7112	0.7923
	2011	0.7852	0.7286	0.8419
	2012	0.7972	0.7399	0.8547
	2013	0.8522	0.8022	0.9023
	2014	0.9072	0.8295	0.9851
	2015	0.9278	0.8666	0.9890

MEDICAL Linear FITTED	Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	2012	0.8041	0.7484	0.8599
	2013	0.8488	0.7892	0.9085
	2014	0.8934	0.8299	0.9571
	2015	0.9381	0.8707	1.0056
5 Point	2011	0.7749	0.7202	0.8297
	2012	0.8144	0.7568	0.8721
	2013	0.8539	0.7934	0.9146
	2014	0.8934	0.8299	0.9571
	2015	0.9330	0.8665	0.9995
6 Point	2010	0.7439	0.6981	0.7899
	2011	0.7811	0.7307	0.8316
	2012	0.8183	0.7634	0.8733
	2013	0.8555	0.7960	0.9151
	2014	0.8927	0.8286	0.9568
	2015	0.9298	0.8612	0.9986
7 Point	2009	0.7100	0.6674	0.7528
	2010	0.7464	0.6996	0.7935
	2011	0.7829	0.7318	0.8341
	2012	0.8193	0.7639	0.8748
	2013	0.8557	0.7961	0.9154
	2014	0.8922	0.8283	0.9561
	2015	0.9286	0.8605	0.9968
8 Point	2008	0.6868	0.6462	0.7276
	2009	0.7206	0.6762	0.7651
	2010	0.7544	0.7062	0.8027
	2011	0.7882	0.7362	0.8403
	2012	0.8220	0.7661	0.8779
	2013	0.8557	0.7961	0.9154
	2014	0.8895	0.8261	0.9530
	2015	0.9233	0.8561	0.9906
9 Point	2007	0.6682	0.6297	0.7067
	2008	0.6993	0.6573	0.7413
	2009	0.7304	0.6849	0.7759
	2010	0.7615	0.7125	0.8106
	2011	0.7926	0.7401	0.8452
	2012	0.8237	0.7677	0.8798
	2013	0.8548	0.7953	0.9145
	2014	0.8859	0.8229	0.9491
	2015	0.9171	0.8505	0.9837
10 Point	2006	0.6338	0.6001	0.6675
	2007	0.6654	0.6280	0.7029
	2008	0.6971	0.6559	0.7382
	2009	0.7287	0.6839	0.7735
	2010	0.7603	0.7118	0.8089
	2011	0.7919	0.7397	0.8442
	2012	0.8236	0.7676	0.8796
	2013	0.8552	0.7955	0.9149
	2014	0.8868	0.8235	0.9503
	2015	0.9184	0.8514	0.9856

MEDICAL Linear TRENDED		Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	Fitted	1.0833	1.0031	1.1635
5 Point	Fitted	1.0614	0.9853	1.1375
6 Point	Fitted	1.0507	0.9673	1.1342
7 Point	Fitted	1.0470	0.9651	1.1289
8 Point	Fitted	1.0331	0.9536	1.1127
9 Point	Fitted	1.0182	0.9402	1.0963
10 Point	Fitted	1.0212	0.9421	1.1005

MEDICAL Linear Severity Trend Factor		Sev Trend Factor (Avg Pd & Inc)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-29)
4 Point	2013	1.2764	1.2710	1.2807
	2014	1.2125	1.2086	1.2157
	2015	1.1548	1.1521	1.1570
5 Point	2013	1.2430	1.2419	1.2437
	2014	1.1880	1.1872	1.1886
	2015	1.1377	1.1371	1.1381
6 Point	2013	1.2282	1.2152	1.2394
	2014	1.1770	1.1674	1.1854
	2015	1.1300	1.1231	1.1358
7 Point	2013	1.2235	1.2122	1.2332
	2014	1.1735	1.1651	1.1807
	2015	1.1275	1.1216	1.1326
8 Point	2013	1.2072	1.1977	1.2155
	2014	1.1614	1.1543	1.1676
	2015	1.1189	1.1138	1.1233
9 Point	2013	1.1911	1.1822	1.1988
	2014	1.1492	1.1425	1.1551
	2015	1.1102	1.1055	1.1144
10 Point	2013	1.1941	1.1843	1.2028
	2014	1.1516	1.1441	1.1581
	2015	1.1119	1.1066	1.1166

MEDICAL Expon'l FITTED	Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	2012	0.8046	0.7489	0.8604
	2013	0.8474	0.7880	0.9069
	2014	0.8924	0.8290	0.9558
	2015	0.9398	0.8722	1.0074
5 Point	2011	0.7767	0.7219	0.8316
	2012	0.8135	0.7559	0.8711
	2013	0.8520	0.7916	0.9125
	2014	0.8924	0.8290	0.9558
	2015	0.9347	0.8681	1.0012
6 Point	2010	0.7468	0.7007	0.7931
	2011	0.7807	0.7305	0.8310
	2012	0.8161	0.7616	0.8707
	2013	0.8531	0.7940	0.9123
	2014	0.8918	0.8278	0.9559
	2015	0.9323	0.8630	1.0016
7 Point	2009	0.7141	0.6709	0.7575
	2010	0.7466	0.6998	0.7936
	2011	0.7805	0.7298	0.8313
	2012	0.8160	0.7612	0.8709
	2013	0.8531	0.7939	0.9124
	2014	0.8919	0.8280	0.9558
	2015	0.9324	0.8635	1.0013
8 Point	2008	0.6923	0.6509	0.7338
	2009	0.7218	0.6772	0.7665
	2010	0.7526	0.7047	0.8006
	2011	0.7847	0.7332	0.8362
	2012	0.8182	0.7630	0.8735
	2013	0.8531	0.7939	0.9124
	2014	0.8895	0.8260	0.9530
	2015	0.9274	0.8595	0.9954
9 Point	2007	0.6748	0.6354	0.7143
	2008	0.7016	0.6593	0.7439
	2009	0.7294	0.6841	0.7748
	2010	0.7584	0.7099	0.8069
	2011	0.7885	0.7366	0.8403
	2012	0.8198	0.7644	0.8752
	2013	0.8523	0.7931	0.9115
	2014	0.8861	0.8230	0.9492
	2015	0.9213	0.8540	0.9886
	10 Point	2006	0.6416	0.6067
2007		0.6683	0.6305	0.7060
2008		0.6960	0.6552	0.7369
2009		0.7250	0.6808	0.7691
2010		0.7551	0.7075	0.8028
2011		0.7865	0.7352	0.8379
2012		0.8193	0.7640	0.8745
2013		0.8533	0.7939	0.9128
2014		0.8888	0.8250	0.9527
2015		0.9258	0.8573	0.9944

MEDICAL Expon'l TRENDED		Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-29)
4 Point	Fitted	1.1120	1.0286	1.1951
5 Point	Fitted	1.0865	1.0085	1.1642
6 Point	Fitted	1.0768	0.9881	1.1657
7 Point	Fitted	1.0773	0.9900	1.1647
8 Point	Fitted	1.0623	0.9780	1.1468
9 Point	Fitted	1.0454	0.9630	1.1281
10 Point	Fitted	1.0569	0.9713	1.1428

MEDICAL Expon'l Severity Trend Factor		Sev Trend Factor (Avg Pd & Inc)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-29)
4 Point	2013	1.3123	1.3054	1.3178
	2014	1.2461	1.2408	1.2503
	2015	1.1832	1.1794	1.1863
5 Point	2013	1.2752	1.2740	1.2759
	2014	1.2175	1.2165	1.2180
	2015	1.1624	1.1617	1.1628
6 Point	2013	1.2622	1.2445	1.2778
	2014	1.2074	1.1937	1.2195
	2015	1.1551	1.1450	1.1639
7 Point	2013	1.2628	1.2471	1.2765
	2014	1.2079	1.1957	1.2185
	2015	1.1554	1.1465	1.1632
8 Point	2013	1.2452	1.2319	1.2569
	2014	1.1943	1.1839	1.2034
	2015	1.1454	1.1378	1.1521
9 Point	2013	1.2266	1.2141	1.2377
	2014	1.1798	1.1701	1.1884
	2015	1.1348	1.1276	1.1411
10 Point	2013	1.2385	1.2235	1.2520
	2014	1.1891	1.1774	1.1995
	2015	1.1416	1.1330	1.1493

MEDICAL Linear LR Trend Factor		LR Trend Factor (Avg Pd & Inc)	LR Trend Factor (Incur)	LR Trend Factor (Pd-29)
4 Point	2013	0.9452	0.9412	0.9484
	2014	0.9507	0.9477	0.9532
	2015	0.9588	0.9566	0.9607
5 Point	2013	0.9204	0.9196	0.9210
	2014	0.9315	0.9309	0.9320
	2015	0.9446	0.9441	0.9450
6 Point	2013	0.9095	0.8999	0.9178
	2014	0.9229	0.9154	0.9295
	2015	0.9382	0.9325	0.9431
7 Point	2013	0.9060	0.8976	0.9132
	2014	0.9201	0.9136	0.9258
	2015	0.9362	0.9313	0.9404
8 Point	2013	0.8939	0.8869	0.9001
	2014	0.9107	0.9051	0.9155
	2015	0.9290	0.9248	0.9327
9 Point	2013	0.8820	0.8754	0.8877
	2014	0.9011	0.8958	0.9057
	2015	0.9218	0.9179	0.9253
10 Point	2013	0.8842	0.8770	0.8907
	2014	0.9030	0.8971	0.9081
	2015	0.9232	0.9188	0.9271
MEDICAL Expon'l LR Trend Factor		LR Trend Factor (Avg Pd & Inc)	LR Trend Factor (Incur)	LR Trend Factor (Pd-29)
4 Point	2013	0.9718	0.9666	0.9758
	2014	0.9771	0.9729	0.9804
	2015	0.9824	0.9793	0.9850
5 Point	2013	0.9443	0.9434	0.9448
	2014	0.9546	0.9539	0.9550
	2015	0.9651	0.9646	0.9655
6 Point	2013	0.9347	0.9216	0.9462
	2014	0.9467	0.9360	0.9562
	2015	0.9591	0.9507	0.9664
7 Point	2013	0.9351	0.9235	0.9452
	2014	0.9471	0.9375	0.9554
	2015	0.9593	0.9519	0.9658
8 Point	2013	0.9221	0.9122	0.9307
	2014	0.9365	0.9283	0.9436
	2015	0.9510	0.9447	0.9566
9 Point	2013	0.9083	0.8990	0.9165
	2014	0.9251	0.9175	0.9318
	2015	0.9422	0.9362	0.9475
10 Point	2013	0.9171	0.9060	0.9271
	2014	0.9324	0.9232	0.9405
	2015	0.9479	0.9407	0.9543

MEDICAL Linear TRENDED LR	Base Policy Year	Trended LR (Avg Pd & Inc)	Trended LR (Incur)	Trended LR (Pd-29)
4 Point	2013	0.5123	0.4802	0.5443
	2014	0.5027	0.4582	0.5473
	2015	0.4750	0.4426	0.5073
	3 Yr Ave	0.4967	0.4603	0.5330
5 Point	2013	0.4989	0.4692	0.5286
	2014	0.4926	0.4501	0.5352
	2015	0.4680	0.4368	0.4991
	3 Yr Ave	0.4865	0.4520	0.5210
6 Point	2013	0.4929	0.4591	0.5267
	2014	0.4880	0.4426	0.5337
	2015	0.4648	0.4315	0.4981
	3 Yr Ave	0.4819	0.4444	0.5195
7 Point	2013	0.4911	0.4580	0.5241
	2014	0.4865	0.4417	0.5316
	2015	0.4638	0.4309	0.4966
	3 Yr Ave	0.4805	0.4435	0.5174
8 Point	2013	0.4845	0.4525	0.5166
	2014	0.4816	0.4376	0.5257
	2015	0.4602	0.4279	0.4926
	3 Yr Ave	0.4754	0.4393	0.5116
9 Point	2013	0.4780	0.4466	0.5095
	2014	0.4765	0.4331	0.5201
	2015	0.4567	0.4247	0.4887
	3 Yr Ave	0.4704	0.4348	0.5061
10 Point	2013	0.4792	0.4474	0.5112
	2014	0.4775	0.4337	0.5214
	2015	0.4574	0.4251	0.4896
	3 Yr Ave	0.4714	0.4354	0.5074

MEDICAL Expon'l TRENDED LR	Base Policy Year	Trended LR (Avg Pd & Inc)	Trended LR (Incur)	Trended LR (Pd-29)
4 Point	2013	0.5267	0.4932	0.5600
	2014	0.5167	0.4704	0.5629
	2015	0.4867	0.4531	0.5202
	3 Yr Ave	0.5100	0.4722	0.5477
5 Point	2013	0.5118	0.4813	0.5422
	2014	0.5048	0.4612	0.5484
	2015	0.4781	0.4463	0.5099
	3 Yr Ave	0.4982	0.4629	0.5335
6 Point	2013	0.5066	0.4702	0.5430
	2014	0.5006	0.4526	0.5491
	2015	0.4751	0.4399	0.5104
	3 Yr Ave	0.4941	0.4542	0.5342
7 Point	2013	0.5068	0.4712	0.5425
	2014	0.5008	0.4533	0.5486
	2015	0.4752	0.4404	0.5100
	3 Yr Ave	0.4943	0.4550	0.5337
8 Point	2013	0.4998	0.4654	0.5341
	2014	0.4952	0.4488	0.5418
	2015	0.4711	0.4371	0.5052
	3 Yr Ave	0.4887	0.4504	0.5270
9 Point	2013	0.4923	0.4587	0.5260
	2014	0.4892	0.4436	0.5350
	2015	0.4668	0.4332	0.5004
	3 Yr Ave	0.4828	0.4452	0.5205
10 Point	2013	0.4971	0.4622	0.5321
	2014	0.4931	0.4464	0.5400
	2015	0.4696	0.4353	0.5040
	3 Yr Ave	0.4866	0.4480	0.5254

INDEMNITY		(Avg Pd & Inc)	(Incur)	(Pd-29)
Severity				
Annual Trend				
4 Point	Linear	6.1%	4.2%	7.6%
5 Point	Linear	5.2%	3.8%	6.3%
6 Point	Linear	4.3%	3.3%	5.2%
7 Point	Linear	3.6%	2.7%	4.3%
8 Point	Linear	2.9%	2.2%	3.6%
9 Point	Linear	2.7%	2.0%	3.2%
10 Point	Linear	2.7%	2.1%	3.2%
4 Point	Expon'l	7.1%	4.7%	9.3%
5 Point	Expon'l	6.0%	4.3%	7.6%
6 Point	Expon'l	5.0%	3.7%	6.2%
7 Point	Expon'l	4.1%	3.0%	5.0%
8 Point	Expon'l	3.3%	2.4%	4.2%
9 Point	Expon'l	3.1%	2.2%	3.8%
10 Point	Expon'l	3.1%	2.4%	3.8%

MEDICAL		(Avg Pd & Inc)	(Incur)	(Pd-29)
Severity				
Annual Trend				
4 Point	Linear	4.6%	4.5%	4.7%
5 Point	Linear	4.1%	4.1%	4.1%
6 Point	Linear	3.9%	3.7%	4.1%
7 Point	Linear	3.8%	3.6%	4.0%
8 Point	Linear	3.6%	3.4%	3.7%
9 Point	Linear	3.3%	3.1%	3.4%
10 Point	Linear	3.3%	3.2%	3.5%
4 Point	Expon'l	5.3%	5.2%	5.4%
5 Point	Expon'l	4.7%	4.7%	4.7%
6 Point	Expon'l	4.5%	4.3%	4.8%
7 Point	Expon'l	4.5%	4.3%	4.8%
8 Point	Expon'l	4.3%	4.1%	4.5%
9 Point	Expon'l	4.0%	3.8%	4.1%
10 Point	Expon'l	4.2%	3.9%	4.4%

INDEMNITY		(Avg Pd & Inc)	(Incur)	(Pd-29)
Loss Ratio				
Annual Trend				
4 Point	Linear	0.21%	-1.62%	1.69%
5 Point	Linear	-0.69%	-1.99%	0.39%
6 Point	Linear	-1.44%	-2.47%	-0.59%
7 Point	Linear	-2.17%	-3.00%	-1.47%
8 Point	Linear	-2.74%	-3.48%	-2.12%
9 Point	Linear	-2.98%	-3.64%	-2.42%
10 Point	Linear	-2.99%	-3.57%	-2.48%
4 Point	Expon'l	1.19%	-1.15%	3.25%
5 Point	Expon'l	0.13%	-1.54%	1.59%
6 Point	Expon'l	-0.80%	-2.09%	0.34%
7 Point	Expon'l	-1.70%	-2.72%	-0.81%
8 Point	Expon'l	-2.40%	-3.29%	-1.63%
9 Point	Expon'l	-2.66%	-3.46%	-1.95%
10 Point	Expon'l	-2.60%	-3.33%	-1.94%

MEDICAL		(Avg Pd & Inc)	(Incur)	(Pd-29)
Loss Ratio				
Annual Trend				
4 Point	Linear	-1.17%	-1.24%	-1.10%
5 Point	Linear	-1.65%	-1.67%	-1.63%
6 Point	Linear	-1.87%	-2.06%	-1.70%
7 Point	Linear	-1.93%	-2.10%	-1.79%
8 Point	Linear	-2.18%	-2.32%	-2.05%
9 Point	Linear	-2.42%	-2.56%	-2.30%
10 Point	Linear	-2.37%	-2.53%	-2.24%
4 Point	Expon'l	-0.55%	-0.65%	-0.47%
5 Point	Expon'l	-1.09%	-1.11%	-1.08%
6 Point	Expon'l	-1.29%	-1.55%	-1.05%
7 Point	Expon'l	-1.28%	-1.51%	-1.07%
8 Point	Expon'l	-1.54%	-1.75%	-1.37%
9 Point	Expon'l	-1.82%	-2.02%	-1.65%
10 Point	Expon'l	-1.64%	-1.87%	-1.44%