

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 01/01/19 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 (2015-2016 and 2016-2017) are based on the current Table I. Ratios for earlier periods are also shown for comparison purposes. An average of the latest five age-to-age factors has generally been selected for incurred loss development, where available. Averages of the latest three age-to-age factors have been selected for paid loss development and for the ratio of incurred to paid losses, where available. The “tail” factor has been calculated by a method that uses a five-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 two methods shown: case incurred and paid to thirtieth.

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 thirtieth 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 2005 set equal to unity. Staff has selected an annual frequency trend factor of -6.3%.

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 (4/1/20). 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 (4/1/20) 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 12-13	PDF 13-14	PDF 14-15	PDF 15-16	PDF 16-17	4 Year Average	Selected PDF
29-30				1.0000	1.0000		1.0000
28-29			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	1.0001	1.0000	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	1.0002	1.0000	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	1.0001	0.9999	1.0000	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	0.9999	1.0000	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	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000
12-13	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
11-12	0.9999	1.0000	1.0001	1.0000	1.0000	1.0000	1.0000
10-11	1.0000	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000
9-10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
8-9	0.9999	1.0000	1.0000	1.0002	0.9988	0.9998	0.9998
7-8	1.0000	1.0000	1.0000	0.9999	0.9999	1.0000	1.0000
6-7	1.0000	0.9999	1.0000	1.0011	1.0003	1.0003	1.0003
5-6	1.0000	0.9997	0.9997	1.0002	1.0002	1.0000	1.0000
4-5	1.0001	0.9997	1.0001	0.9999	0.9995	0.9998	0.9998
3-4	0.9992	1.0002	1.0002	0.9996	1.0006	1.0002	1.0002
2-3	0.9987	1.0003	0.9994	1.0012	1.0007	1.0004	1.0004
1-2	1.0094	1.0073	1.0099	1.0084	1.0092	1.0087	1.0087

PREMIUMS	Policy Year	Reported SEP	Cum PDF	Ultimate SEP	Premium On-Level To 12/1/92	ECRF	PCCPAP Factor
29-30	1988	1,892,967,737	1.0000	1,892,967,737	1.7528	0.9894	1.0000
28-29	1989	2,028,267,129	1.0000	2,028,267,129	1.6199	0.9902	1.0000
27-28	1990	2,290,233,534	1.0000	2,290,233,534	1.4862	0.9913	1.0000
26-27	1991	2,398,359,195	1.0000	2,398,359,195	1.2445	0.9913	1.0051
25-26	1992	2,244,461,757	1.0000	2,244,461,757	1.2271	0.9916	1.0048
24-25	1993	2,410,370,517	1.0000	2,410,370,517	1.0000	0.9936	1.0048
23-24	1994	1,821,555,070	1.0000	1,821,555,070	1.0000	1.0000	1.0050
22-23	1995	1,680,387,566	1.0000	1,680,387,566	1.0000	1.0000	1.0038
21-22	1996	1,596,668,963	1.0000	1,596,668,963	1.0000	1.0000	0.9963
20-21	1997	1,313,191,877	1.0000	1,313,191,877	1.0000	1.0000	0.9937
19-20	1998	1,259,209,776	1.0000	1,259,209,776	1.0000	1.0000	0.9919
18-19	1999	1,271,772,492	1.0000	1,271,772,492	1.0000	1.0000	0.9919
17-18	2000	1,334,908,458	1.0000	1,334,908,458	1.0000	1.0000	0.9966
16-17	2001	1,430,998,196	1.0000	1,430,998,196	1.0000	1.0000	0.9974
15-16	2002	1,499,188,529	1.0000	1,499,188,529	1.0000	1.0000	0.9988
14-15	2003	1,566,149,453	1.0000	1,566,149,453	1.0000	1.0000	0.9992
13-14	2004	1,674,833,631	1.0000	1,674,833,631	1.0000	1.0000	1.0000
12-13	2005	1,839,505,833	1.0000	1,839,505,833	1.0000	1.0000	1.0016
11-12	2006	1,813,987,513	1.0000	1,813,987,513	1.0000	1.0000	1.0019
10-11	2007	1,875,078,635	1.0000	1,875,078,635	1.0000	1.0000	1.0013
9-10	2008	1,726,572,321	1.0000	1,726,572,321	1.0000	1.0000	0.9989
8-9	2009	1,532,188,924	0.9998	1,531,882,486	1.0000	1.0000	0.9987
7-8	2010	1,602,977,986	0.9998	1,602,657,390	1.0000	1.0000	1.0055
6-7	2011	1,650,529,182	1.0001	1,650,694,235	1.0000	1.0000	1.0057
5-6	2012	1,539,247,581	1.0001	1,539,401,506	1.0000	1.0000	1.0067
4-5	2013	1,502,866,414	0.9999	1,502,716,127	1.0000	1.0000	1.0067
3-4	2014	1,513,882,133	1.0001	1,514,033,521	1.0000	1.0000	1.0066
2-3	2015	1,507,408,015	1.0005	1,508,161,719	1.0000	1.0000	1.0076
1-2	2016	1,492,574,056	1.0092	1,506,305,737	1.0000	1.0000	1.0078

PREMIUMS	Policy Year	On-Level SEP	Expected Loss Ratio 12/1/92 Level	Expected Losses 12/1/92 Level	Loss Cost On-Level To 1/1/19	Expected Losses Current Level
	1988	3,282,823,115	0.7815	2,565,526,264	0.3435	881,258,272
	1989	3,253,391,141	0.7815	2,542,525,177	0.3435	873,357,398
	1990	3,374,132,496	0.7815	2,636,884,546	0.3435	905,769,842
	1991	2,973,880,456	0.7815	2,324,087,576	0.3435	798,324,082
	1992	2,744,152,929	0.7815	2,144,555,514	0.3435	736,654,819
	1993	2,406,439,878	0.79162914	1,905,007,931	0.34393035	655,190,044
	1994	1,830,662,845	0.9869	1,806,681,162	0.3505	633,241,747
	1995	1,686,773,039	0.9864	1,663,832,926	0.3525	586,501,106
	1996	1,590,761,288	0.9789	1,557,196,225	0.3870	602,634,939
	1997	1,304,918,768	0.9725	1,269,033,502	0.4768	605,075,174
	1998	1,249,010,177	0.9660	1,206,543,831	0.5424	654,429,374
	1999	1,261,471,135	0.9651	1,217,445,792	0.5756	700,761,798
	2000	1,330,369,769	0.9925	1,320,391,996	0.5672	748,926,340
	2001	1,427,277,601	0.9923	1,416,287,563	0.5662	801,902,018
	2002	1,497,389,503	0.9929	1,486,758,038	0.5606	833,476,556
	2003	1,564,896,533	0.9910	1,550,812,464	0.5665	878,535,261
	2004	1,674,833,631	0.9906	1,659,090,195	0.5580	925,772,329
	2005	1,842,449,042	0.9912	1,826,235,490	0.5638	1,029,631,569
	2006	1,817,434,089	0.9897	1,798,714,518	0.6041	1,086,603,440
	2007	1,877,516,237	0.9873	1,853,671,781	0.6098	1,130,369,052
	2008	1,724,673,091	0.9862	1,700,872,602	0.6492	1,104,206,493
	2009	1,529,891,039	0.9859	1,508,319,575	0.6877	1,037,271,372
	2010	1,611,472,006	0.9859	1,588,750,251	0.6909	1,097,667,548
	2011	1,660,103,192	0.9862	1,637,193,768	0.6852	1,121,805,170
	2012	1,549,715,496	0.9858	1,527,709,536	0.7114	1,086,812,564
	2013	1,512,784,325	0.9853	1,490,546,395	0.7452	1,110,755,174
	2014	1,524,026,142	0.9857	1,502,232,568	0.7825	1,175,496,984
	2015	1,519,623,748	0.9853	1,497,285,279	0.8299	1,242,597,053
	2016	1,518,054,922	0.9853	1,495,739,515	0.8518	1,274,070,919



INDEMNITY	Selected	Selected	Selected
	Paid	Pd-Incur	Incurred
	LDF	LDF	LDF
Beyond			1.0009
29-30	1.0020	1.0158	1.0005
28-29	1.0021	1.0168	0.9999
27-28	1.0022	1.0184	1.0003
26-27	1.0025	1.0214	1.0004
25-26	1.0030	1.0263	1.0004
24-25	1.0033	1.0294	1.0000
23-24	1.0038	1.0340	1.0007
22-23	1.0040	1.0368	0.9999
21-22	1.0039	1.0365	1.0003
20-21	1.0037	1.0341	1.0000
19-20	1.0027	1.0272	1.0004
18-19	1.0021	1.0199	1.0005
17-18	1.0022	1.0149	1.0004
16-17	1.0021	1.0153	0.9999
15-16	1.0021	1.0163	1.0004
14-15	1.0028	1.0226	1.0007
13-14	1.0042	1.0290	1.0004
12-13	1.0053	1.0392	1.0006
11-12	1.0063	1.0417	1.0016
10-11	1.0082	1.0467	1.0013
9-10	1.0082	1.0462	1.0022
8-9	1.0101	1.0491	1.0018
7-8	1.0129	1.0511	1.0021
6-7	1.0172	1.0596	1.0048
5-6	1.0286	1.0823	1.0045
4-5	1.0412	1.1215	1.0056
3-4	1.0934	1.2069	1.0259
2-3	1.2504	1.4657	1.1000
1-2	1.8596	2.4302	1.3675

INDEMNITY	Policy Year	Incurred	Paid to 30th
		LDF	LDF
Beyond		1.0009	1.0009
29-30	1988	1.0005	1.0158
28-29	1989	0.9999	1.0021
27-28	1990	1.0003	1.0022
26-27	1991	1.0004	1.0025
25-26	1992	1.0004	1.0030
24-25	1993	1.0000	1.0033
23-24	1994	1.0007	1.0038
22-23	1995	0.9999	1.0040
21-22	1996	1.0003	1.0039
20-21	1997	1.0000	1.0037
19-20	1998	1.0004	1.0027
18-19	1999	1.0005	1.0021
17-18	2000	1.0004	1.0022
16-17	2001	0.9999	1.0021
15-16	2002	1.0004	1.0021
14-15	2003	1.0007	1.0028
13-14	2004	1.0004	1.0042
12-13	2005	1.0006	1.0053
11-12	2006	1.0016	1.0063
10-11	2007	1.0013	1.0082
9-10	2008	1.0022	1.0082
8-9	2009	1.0018	1.0101
7-8	2010	1.0021	1.0129
6-7	2011	1.0048	1.0172
5-6	2012	1.0045	1.0286
4-5	2013	1.0056	1.0412
3-4	2014	1.0259	1.0934
2-3	2015	1.1000	1.2504
1-2	2016	1.3675	1.8596

INDEMNITY	Policy Year	Incurred	Paid to 30th
		Cum LDF	Cum LDF
Beyond		1.0009	1.0009
29-30	1988	1.0014	1.0167
28-29	1989	1.0013	1.0188
27-28	1990	1.0016	1.0211
26-27	1991	1.0019	1.0236
25-26	1992	1.0024	1.0267
24-25	1993	1.0023	1.0301
23-24	1994	1.0030	1.0339
22-23	1995	1.0029	1.0380
21-22	1996	1.0032	1.0421
20-21	1997	1.0032	1.0460
19-20	1998	1.0036	1.0488
18-19	1999	1.0040	1.0510
17-18	2000	1.0044	1.0533
16-17	2001	1.0043	1.0555
15-16	2002	1.0047	1.0577
14-15	2003	1.0053	1.0606
13-14	2004	1.0057	1.0651
12-13	2005	1.0063	1.0708
11-12	2006	1.0080	1.0776
10-11	2007	1.0093	1.0865
9-10	2008	1.0115	1.0954
8-9	2009	1.0133	1.1065
7-8	2010	1.0153	1.1208
6-7	2011	1.0202	1.1401
5-6	2012	1.0249	1.1726
4-5	2013	1.0306	1.2209
3-4	2014	1.0572	1.3350
2-3	2015	1.1630	1.6693
1-2	2016	1.5904	3.1043

INDEMNITY	Policy Year	Benefit Level Factor	LAE
Beyond			
29-30	1988	0.9943	1.0000
28-29	1989	0.9943	1.0000
27-28	1990	0.9943	1.0000
26-27	1991	0.9943	1.0000
25-26	1992	0.9946	1.0000
24-25	1993	0.9987	1.0000
23-24	1994	1.0000	1.0000
22-23	1995	1.0000	1.0000
21-22	1996	1.0000	1.0000
20-21	1997	1.0000	1.0000
19-20	1998	1.0000	1.0000
18-19	1999	1.0000	1.0000
17-18	2000	1.0000	1.0000
16-17	2001	1.0000	1.0000
15-16	2002	1.0000	1.0000
14-15	2003	1.0000	1.0000
13-14	2004	1.0000	1.0000
12-13	2005	1.0000	1.0000
11-12	2006	1.0000	1.0000
10-11	2007	1.0000	1.0000
9-10	2008	1.0000	1.0000
8-9	2009	1.0000	1.0000
7-8	2010	1.0000	1.0000
6-7	2011	1.0000	1.0000
5-6	2012	1.0000	1.0000
4-5	2013	1.0000	1.0000
3-4	2014	1.0000	1.0000
2-3	2015	1.0000	1.0000
1-2	2016	1.0000	1.0000

INDEMNITY		Policy Year	Incurred Base	Paid to 30th Base
Beyond				
29-30	1988		979,588,821	966,472,224
28-29	1989		1,142,110,456	1,121,185,339
27-28	1990		1,166,247,884	1,145,284,577
26-27	1991		1,011,749,304	986,836,071
25-26	1992		855,050,848	832,797,450
24-25	1993		746,615,911	726,072,048
23-24	1994		691,263,631	669,464,524
22-23	1995		587,334,801	573,086,417
21-22	1996		505,560,965	494,205,518
20-21	1997		514,132,168	507,328,183
19-20	1998		514,723,208	509,937,775
18-19	1999		586,761,348	579,813,076
17-18	2000		624,014,355	615,828,881
16-17	2001		634,059,265	625,285,886
15-16	2002		664,994,362	648,714,310
14-15	2003		649,749,346	632,027,395
13-14	2004		688,128,676	662,796,389
12-13	2005		693,974,966	674,126,170
11-12	2006		713,046,040	690,652,695
10-11	2007		750,610,425	726,048,352
9-10	2008		700,250,984	678,358,010
8-9	2009		634,354,346	617,701,546
7-8	2010		654,448,556	630,380,745
6-7	2011		629,011,884	597,630,706
5-6	2012		571,753,520	527,719,678
4-5	2013		578,028,628	529,754,399
3-4	2014		564,960,436	488,886,040
2-3	2015		496,705,992	391,792,076
1-2	2016		359,295,065	207,070,815

INDEMNITY		Policy Year	Proj Ult Incurred (Avg Pd & Inc)	Proj Ult Incurred (Incur)	Proj Ult Incurred (Pd-30)
Beyond					
29-30	1988		981,786,278	980,960,245	982,612,310
28-29	1989		1,142,929,412	1,143,595,200	1,142,263,623
27-28	1990		1,168,781,982	1,168,113,881	1,169,450,082
26-27	1991		1,011,898,515	1,013,671,628	1,010,125,402
25-26	1992		856,068,056	857,102,970	855,033,142
24-25	1993		748,129,973	748,333,128	747,926,817
23-24	1994		692,748,397	693,337,422	692,159,371
22-23	1995		591,950,887	589,038,072	594,863,701
21-22	1996		511,095,165	507,178,760	515,011,570
20-21	1997		523,221,335	515,777,391	530,665,279
19-20	1998		525,699,475	516,576,212	534,822,738
18-19	1999		599,245,968	589,108,393	609,383,543
17-18	2000		637,706,289	626,760,018	648,652,560
16-17	2001		648,387,487	636,785,720	659,989,253
15-16	2002		677,132,481	668,119,836	686,145,126
14-15	2003		661,760,637	653,193,018	670,328,255
13-14	2004		698,997,722	692,051,009	705,944,434
12-13	2005		710,100,656	698,347,008	721,854,303
11-12	2006		731,498,876	718,750,408	744,247,344
10-11	2007		773,221,318	757,591,102	788,851,534
9-10	2008		725,688,617	708,303,870	743,073,364
8-9	2009		663,139,010	642,791,259	683,486,761
7-8	2010		685,496,179	664,461,619	706,530,739
6-7	2011		661,538,346	641,717,924	681,358,768
5-6	2012		602,397,139	585,990,183	618,804,094
4-5	2013		621,246,725	595,716,304	646,777,146
3-4	2014		624,969,518	597,276,173	652,662,863
2-3	2015		615,843,791	577,669,069	654,018,512
1-2	2016		607,116,401	571,422,871	642,809,931

INDEMNITY		Policy Year	Adjusted Incurred (Avg Pd & Inc)	Adjusted Incurred (Incur)	Adjusted Incurred (Pd-30)
Beyond					
29-30	1988		976,190,096	975,368,772	977,011,420
28-29	1989		1,136,414,714	1,137,076,707	1,135,752,720
27-28	1990		1,162,119,925	1,161,455,632	1,162,784,217
26-27	1991		1,006,130,694	1,007,893,700	1,004,367,687
25-26	1992		851,445,289	852,474,614	850,415,963
24-25	1993		747,157,404	747,360,295	746,954,512
23-24	1994		692,748,397	693,337,422	692,159,371
22-23	1995		591,950,887	589,038,072	594,863,701
21-22	1996		511,095,165	507,178,760	515,011,570
20-21	1997		523,221,335	515,777,391	530,665,279
19-20	1998		525,699,475	516,576,212	534,822,738
18-19	1999		599,245,968	589,108,393	609,383,543
17-18	2000		637,706,289	626,760,018	648,652,560
16-17	2001		648,387,487	636,785,720	659,989,253
15-16	2002		677,132,481	668,119,836	686,145,126
14-15	2003		661,760,637	653,193,018	670,328,255
13-14	2004		698,997,722	692,051,009	705,944,434
12-13	2005		710,100,656	698,347,008	721,854,303
11-12	2006		731,498,876	718,750,408	744,247,344
10-11	2007		773,221,318	757,591,102	788,851,534
9-10	2008		725,688,617	708,303,870	743,073,364
8-9	2009		663,139,010	642,791,259	683,486,761
7-8	2010		685,496,179	664,461,619	706,530,739
6-7	2011		661,538,346	641,717,924	681,358,768
5-6	2012		602,397,139	585,990,183	618,804,094
4-5	2013		621,246,725	595,716,304	646,777,146
3-4	2014		624,969,518	597,276,173	652,662,863
2-3	2015		615,843,791	577,669,069	654,018,512
1-2	2016		607,116,401	571,422,871	642,809,931

INDEMNITY

Policy Year	Loss Ratio (Avg Pd & Inc)	Loss Ratio (Incur)	Loss Ratio (Pd-30)
1988	1.1077	1.1068	1.1087
1989	1.3012	1.3020	1.3004
1990	1.2830	1.2823	1.2838
1991	1.2603	1.2625	1.2581
1992	1.1558	1.1572	1.1544
1993	1.1404	1.1407	1.1401
1994	1.0940	1.0949	1.0930
1995	1.0093	1.0043	1.0143
1996	0.8481	0.8416	0.8546
1997	0.8647	0.8524	0.8770
1998	0.8033	0.7894	0.8172
1999	0.8551	0.8407	0.8696
2000	0.8515	0.8369	0.8661
2001	0.8086	0.7941	0.8230
2002	0.8124	0.8016	0.8232
2003	0.7533	0.7435	0.7630
2004	0.7550	0.7475	0.7625
2005	0.6897	0.6782	0.7011
2006	0.6732	0.6615	0.6849
2007	0.6840	0.6702	0.6979
2008	0.6572	0.6415	0.6729
2009	0.6393	0.6197	0.6589
2010	0.6245	0.6053	0.6437
2011	0.5897	0.5720	0.6074
2012	0.5543	0.5392	0.5694
2013	0.5593	0.5363	0.5823
2014	0.5317	0.5081	0.5552
2015	0.4956	0.4649	0.5263
2016	0.4765	0.4485	0.5045

INDEMNITY FREQUENCY

Policy Year	Claim Frequency	Normalized Frequency	Trend Factor to 1/1/17	Selected Ann Trend Factor	Trend Period # Years	Trend 1/1/17-4/1/20	Combined Trend Factor
				-6.3%	1		
				-6.3%	1		
				-6.3%	1.25		
2005	25.35	1.0000					
2006	24.42	0.9633					
2007	23.02	0.9081					
2008	21.28	0.8394					
2009	20.60	0.8126					
2010	20.30	0.8008					
2011	19.06	0.7519					
2012	17.82	0.7030					
2013	17.41	0.6868					
2014	15.95	0.6292	0.8777			0.8090	0.7101
2015	14.71	0.5803	0.9369			0.8090	0.7579
2016	13.62	0.5373	1.0000			0.8090	0.8090

INDEMNITY SEVERITY RATIOS

Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
2005	0.6897	0.6782	0.7011
2006	0.6988	0.6867	0.7110
2007	0.7532	0.7380	0.7685
2008	0.7829	0.7642	0.8016
2009	0.7867	0.7626	0.8108
2010	0.7799	0.7559	0.8038
2011	0.7843	0.7608	0.8078
2012	0.7885	0.7670	0.8100
2013	0.8144	0.7809	0.8479
2014	0.8451	0.8075	0.8824
2015	0.8541	0.8012	0.9070
2016	0.8869	0.8348	0.9390



INDEMNITY Linear <b>FITTED</b>	Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
4 Point	2013	0.8162	0.7828	0.8494
	2014	0.8388	0.7983	0.8792
	2015	0.8615	0.8139	0.9090
	2016	0.8841	0.8294	0.9388
5 Point	2012	0.7905	0.7671	0.8138
	2013	0.8142	0.7827	0.8456
	2014	0.8378	0.7983	0.8773
	2015	0.8615	0.8139	0.9090
	2016	0.8851	0.8295	0.9407
6 Point	2011	0.7760	0.7564	0.7956
	2012	0.7971	0.7706	0.8236
	2013	0.8183	0.7849	0.8517
	2014	0.8395	0.7992	0.8797
	2015	0.8606	0.8134	0.9077
	2016	0.8818	0.8277	0.9358
7 Point	2010	0.7665	0.7485	0.7844
	2011	0.7849	0.7613	0.8085
	2012	0.8034	0.7741	0.8327
	2013	0.8219	0.7869	0.8568
	2014	0.8404	0.7997	0.8810
	2015	0.8588	0.8124	0.9052
	2016	0.8773	0.8252	0.9293
8 Point	2009	0.7641	0.7469	0.7813
	2010	0.7794	0.7575	0.8012
	2011	0.7946	0.7680	0.8212
	2012	0.8099	0.7786	0.8411
	2013	0.8251	0.7891	0.8611
	2014	0.8404	0.7997	0.8810
	2015	0.8556	0.8102	0.9009
2016	0.8709	0.8208	0.9209	
9 Point	2008	0.7617	0.7469	0.7766
	2009	0.7747	0.7556	0.7938
	2010	0.7877	0.7643	0.8111
	2011	0.8007	0.7730	0.8283
	2012	0.8136	0.7817	0.8456
	2013	0.8266	0.7903	0.8628
	2014	0.8396	0.7990	0.8801
	2015	0.8526	0.8077	0.8974
2016	0.8656	0.8164	0.9146	
10 Point	2007	0.7503	0.7381	0.7625
	2008	0.7630	0.7468	0.7792
	2009	0.7758	0.7555	0.7960
	2010	0.7885	0.7642	0.8127
	2011	0.8012	0.7729	0.8295
	2012	0.8140	0.7816	0.8463
	2013	0.8267	0.7903	0.8630
	2014	0.8394	0.7990	0.8798
	2015	0.8522	0.8077	0.8965
2016	0.8649	0.8165	0.9133	

INDEMNITY Linear <b>TRENDED</b>		Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
4 Point	Fitted	0.9577	0.8799	1.0356
5 Point	Fitted	0.9620	0.8801	1.0437
6 Point	Fitted	0.9505	0.8740	1.0269
7 Point	Fitted	0.9373	0.8668	1.0078
8 Point	Fitted	0.9204	0.8550	0.9857
9 Point	Fitted	0.9077	0.8447	0.9707
10 Point	Fitted	0.9063	0.8447	0.9677

INDEMNITY Linear <b>Severity Trend Factor</b>		Sev Trend Factor (Avg Pd & Inc)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-30)
4 Point	2014	1.1418	1.1022	1.1779
	2015	1.1117	1.0811	1.1393
	2016	1.0833	1.0609	1.1031
5 Point	2014	1.1482	1.1025	1.1898
	2015	1.1167	1.0814	1.1483
	2016	1.0868	1.0611	1.1096
6 Point	2014	1.1323	1.0937	1.1674
	2015	1.1045	1.0745	1.1313
	2016	1.0780	1.0560	1.0974
7 Point	2014	1.1154	1.0839	1.1440
	2015	1.0914	1.0669	1.1134
	2016	1.0684	1.0504	1.0845
8 Point	2014	1.0952	1.0692	1.1188
	2015	1.0757	1.0553	1.0941
	2016	1.0569	1.0418	1.0704
9 Point	2014	1.0812	1.0571	1.1029
	2015	1.0647	1.0457	1.0817
	2016	1.0487	1.0346	1.0613
10 Point	2014	1.0797	1.0572	1.1000
	2015	1.0635	1.0458	1.0794
	2016	1.0479	1.0346	1.0596

INDEMNITY Expon'l <b>FITTED</b>	Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
4 Point	2013	0.8164	0.7829	0.8498
	2014	0.8385	0.7982	0.8787
	2015	0.8611	0.8137	0.9085
	2016	0.8844	0.8295	0.9393
5 Point	2012	0.7911	0.7674	0.8148
	2013	0.8138	0.7825	0.8449
	2014	0.8371	0.7979	0.8761
	2015	0.8611	0.8137	0.9085
	2016	0.8858	0.8297	0.9421
6 Point	2011	0.7770	0.7569	0.7972
	2012	0.7970	0.7706	0.8234
	2013	0.8176	0.7846	0.8505
	2014	0.8387	0.7988	0.8784
	2015	0.8603	0.8132	0.9073
	2016	0.8825	0.8280	0.9371
7 Point	2010	0.7678	0.7492	0.7865
	2011	0.7851	0.7614	0.8088
	2012	0.8029	0.7738	0.8318
	2013	0.8210	0.7864	0.8554
	2014	0.8396	0.7992	0.8797
	2015	0.8585	0.8123	0.9047
	2016	0.8779	0.8255	0.9303
8 Point	2009	0.7656	0.7477	0.7836
	2010	0.7798	0.7577	0.8020
	2011	0.7944	0.7679	0.8207
	2012	0.8091	0.7782	0.8399
	2013	0.8242	0.7886	0.8596
	2014	0.8396	0.7992	0.8797
	2015	0.8552	0.8100	0.9003
	2016	0.8711	0.8209	0.9213
9 Point	2008	0.7633	0.7476	0.7791
	2009	0.7754	0.7559	0.7949
	2010	0.7877	0.7643	0.8110
	2011	0.8001	0.7727	0.8274
	2012	0.8128	0.7812	0.8442
	2013	0.8257	0.7899	0.8613
	2014	0.8388	0.7986	0.8788
	2015	0.8521	0.8074	0.8966
	2016	0.8656	0.8164	0.9148
10 Point	2007	0.7520	0.7390	0.7653
	2008	0.7638	0.7472	0.7805
	2009	0.7758	0.7555	0.7961
	2010	0.7880	0.7640	0.8119
	2011	0.8004	0.7725	0.8281
	2012	0.8130	0.7811	0.8446
	2013	0.8257	0.7899	0.8614
	2014	0.8387	0.7987	0.8786
	2015	0.8519	0.8076	0.8961
	2016	0.8653	0.8166	0.9139

INDEMNITY Expon'l <b>TRENDED</b>		Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
4 Point	Fitted	0.9644	0.8830	1.0469
5 Point	Fitted	0.9711	0.8840	1.0600
6 Point	Fitted	0.9587	0.8777	1.0409
7 Point	Fitted	0.9440	0.8701	1.0189
8 Point	Fitted	0.9250	0.8572	0.9932
9 Point	Fitted	0.9110	0.8461	0.9764
10 Point	Fitted	0.9103	0.8466	0.9744

INDEMNITY Expon'l <b>Severity Trend Factor</b>		Sev Trend Factor (Avg Pd & Inc)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-30)
4 Point	2014	1.1501	1.1063	1.1914
	2015	1.1199	1.0852	1.1524
	2016	1.0905	1.0645	1.1145
5 Point	2014	1.1601	1.1078	1.2099
	2015	1.1277	1.0864	1.1668
	2016	1.0963	1.0655	1.1252
6 Point	2014	1.1431	1.0989	1.1850
	2015	1.1143	1.0793	1.1473
	2016	1.0863	1.0601	1.1108
7 Point	2014	1.1244	1.0886	1.1583
	2015	1.0996	1.0711	1.1263
	2016	1.0753	1.0540	1.0952
8 Point	2014	1.1017	1.0726	1.1291
	2015	1.0816	1.0584	1.1033
	2016	1.0618	1.0443	1.0780
9 Point	2014	1.0861	1.0594	1.1111
	2015	1.0691	1.0478	1.0890
	2016	1.0524	1.0364	1.0674
10 Point	2014	1.0853	1.0600	1.1091
	2015	1.0685	1.0483	1.0874
	2016	1.0520	1.0367	1.0662

INDEMNITY Linear LR Trend Factor		LR Trend Factor (Avg Pd & Inc)	LR Trend Factor (Incur)	LR Trend Factor (Pd-30)
4 Point	2014	0.8108	0.7827	0.8364
	2015	0.8426	0.8194	0.8635
	2016	0.8764	0.8583	0.8924
5 Point	2014	0.8153	0.7829	0.8449
	2015	0.8463	0.8196	0.8703
	2016	0.8792	0.8584	0.8977
6 Point	2014	0.8040	0.7766	0.8290
	2015	0.8371	0.8144	0.8574
	2016	0.8721	0.8543	0.8878
7 Point	2014	0.7920	0.7697	0.8124
	2015	0.8272	0.8086	0.8438
	2016	0.8643	0.8498	0.8774
8 Point	2014	0.7777	0.7592	0.7945
	2015	0.8153	0.7998	0.8292
	2016	0.8550	0.8428	0.8660
9 Point	2014	0.7678	0.7506	0.7832
	2015	0.8069	0.7925	0.8198
	2016	0.8484	0.8370	0.8586
10 Point	2014	0.7667	0.7507	0.7811
	2015	0.8060	0.7926	0.8181
	2016	0.8478	0.8370	0.8572

INDEMNITY Expon'l LR Trend Factor		LR Trend Factor (Avg Pd & Inc)	LR Trend Factor (Incur)	LR Trend Factor (Pd-30)
4 Point	2014	0.8167	0.7856	0.8460
	2015	0.8488	0.8225	0.8734
	2016	0.8822	0.8612	0.9016
5 Point	2014	0.8238	0.7866	0.8591
	2015	0.8547	0.8234	0.8843
	2016	0.8869	0.8620	0.9103
6 Point	2014	0.8117	0.7803	0.8415
	2015	0.8445	0.8180	0.8695
	2016	0.8788	0.8576	0.8986
7 Point	2014	0.7984	0.7730	0.8225
	2015	0.8334	0.8118	0.8536
	2016	0.8699	0.8527	0.8860
8 Point	2014	0.7823	0.7617	0.8018
	2015	0.8197	0.8022	0.8362
	2016	0.8590	0.8448	0.8721
9 Point	2014	0.7712	0.7523	0.7890
	2015	0.8103	0.7941	0.8254
	2016	0.8514	0.8384	0.8635
10 Point	2014	0.7707	0.7527	0.7876
	2015	0.8098	0.7945	0.8241
	2016	0.8511	0.8387	0.8626

INDEMNITY Linear <b>TRENDED LR</b>	Base Policy Year	Trended LR (Avg Pd & Inc)	Trended LR (Incur)	Trended LR (Pd-30)
4 Point	2014	0.4311	0.3977	0.4644
	2015	0.4176	0.3809	0.4545
	2016	0.4176	0.3849	0.4502
	3 Yr Ave	0.4221	0.3878	0.4564
5 Point	2014	0.4335	0.3978	0.4691
	2015	0.4194	0.3810	0.4580
	2016	0.4189	0.3850	0.4529
	3 Yr Ave	0.4239	0.3879	0.4600
6 Point	2014	0.4275	0.3946	0.4603
	2015	0.4149	0.3786	0.4512
	2016	0.4156	0.3832	0.4479
	3 Yr Ave	0.4193	0.3855	0.4531
7 Point	2014	0.4211	0.3911	0.4510
	2015	0.4100	0.3759	0.4441
	2016	0.4118	0.3811	0.4426
	3 Yr Ave	0.4143	0.3827	0.4459
8 Point	2014	0.4135	0.3857	0.4411
	2015	0.4041	0.3718	0.4364
	2016	0.4074	0.3780	0.4369
	3 Yr Ave	0.4083	0.3785	0.4381
9 Point	2014	0.4082	0.3814	0.4348
	2015	0.3999	0.3684	0.4315
	2016	0.4043	0.3754	0.4332
	3 Yr Ave	0.4041	0.3751	0.4332
10 Point	2014	0.4077	0.3814	0.4337
	2015	0.3995	0.3685	0.4306
	2016	0.4040	0.3754	0.4325
	3 Yr Ave	0.4037	0.3751	0.4323

INDEMNITY Expon'l <b>TRENDED LR</b>	Base Policy Year	Trended LR (Avg Pd & Inc)	Trended LR (Incur)	Trended LR (Pd-30)
4 Point	2014	0.4342	0.3992	0.4697
	2015	0.4207	0.3824	0.4597
	2016	0.4204	0.3862	0.4549
	3 Yr Ave	0.4251	0.3893	0.4614
5 Point	2014	0.4380	0.3997	0.4770
	2015	0.4236	0.3828	0.4654
	2016	0.4226	0.3866	0.4592
	3 Yr Ave	0.4281	0.3897	0.4672
6 Point	2014	0.4316	0.3965	0.4672
	2015	0.4185	0.3803	0.4576
	2016	0.4187	0.3846	0.4533
	3 Yr Ave	0.4229	0.3871	0.4594
7 Point	2014	0.4245	0.3928	0.4567
	2015	0.4130	0.3774	0.4492
	2016	0.4145	0.3824	0.4470
	3 Yr Ave	<b>0.4173</b>	0.3842	0.4510
8 Point	2014	0.4159	0.3870	0.4452
	2015	0.4062	0.3729	0.4401
	2016	0.4093	0.3789	0.4400
	3 Yr Ave	0.4105	0.3796	0.4418
9 Point	2014	0.4100	0.3822	0.4381
	2015	0.4016	0.3692	0.4344
	2016	0.4057	0.3760	0.4356
	3 Yr Ave	0.4058	0.3758	0.4360
10 Point	2014	0.4098	0.3824	0.4373
	2015	0.4013	0.3694	0.4337
	2016	0.4055	0.3762	0.4352
	3 Yr Ave	0.4055	0.3760	0.4354

MEDICAL	Inc. LDF 12-13	Inc. LDF 13-14	Inc. LDF 14-15	Inc. LDF 15-16	Inc. LDF 16-17	2 Yr. Avg. LDF	3 Yr. Avg. LDF	5 Yr. Avg. LDF	Selected Inc. LDF
Beyond	1.0058	1.0201	0.9954	1.0141	1.0036	1.0089	1.0044	1.0078	1.0062
29-30				1.0086	1.0181	1.0134	1.0134	1.0134	1.0093
28-29			0.9984	1.0013	0.9980	0.9997	0.9992	0.9992	0.9992
27-28		1.0035	1.0022	1.0017	1.0010	1.0014	1.0016	1.0021	1.0021
26-27	1.0057	1.0054	0.9993	1.0067	0.9996	1.0032	1.0019	1.0033	1.0033
25-26	1.0097	1.0061	1.0095	1.0055	1.0025	1.0040	1.0058	1.0067	1.0067
24-25	1.0107	1.0042	1.0037	0.9988	0.9995	0.9992	1.0007	1.0034	1.0034
23-24	1.0054	1.0088	1.0041	1.0045	1.0047	1.0046	1.0044	1.0055	1.0055
22-23	1.0065	1.0018	1.0017	1.0057	1.0032	1.0045	1.0035	1.0038	1.0038
21-22	1.0100	1.0052	1.0067	1.0053	1.0013	1.0033	1.0044	1.0057	1.0057
20-21	1.0093	1.0108	1.0079	0.9991	1.0078	1.0035	1.0049	1.0070	1.0070
19-20	1.0061	1.0095	1.0113	1.0060	0.9980	1.0020	1.0051	1.0062	1.0062
18-19	1.0058	1.0016	0.9932	1.0052	1.0082	1.0067	1.0022	1.0028	1.0028
17-18	1.0081	1.0130	1.0026	1.0010	0.9944	0.9977	0.9993	1.0038	1.0038
16-17	1.0121	1.0065	1.0001	1.0035	1.0022	1.0029	1.0019	1.0049	1.0049
15-16	1.0098	1.0042	0.9998	1.0048	1.0006	1.0027	1.0017	1.0038	1.0038
14-15	1.0077	1.0140	1.0054	1.0019	1.0058	1.0039	1.0044	1.0070	1.0070
13-14	1.0066	1.0043	1.0038	1.0033	1.0046	1.0040	1.0039	1.0045	1.0045
12-13	1.0081	1.0044	1.0094	1.0069	1.0033	1.0051	1.0065	1.0064	1.0064
11-12	1.0072	1.0164	1.0063	0.9996	1.0073	1.0035	1.0044	1.0074	1.0074
10-11	1.0102	1.0100	1.0012	1.0083	1.0046	1.0065	1.0047	1.0069	1.0069
9-10	1.0026	1.0115	1.0032	1.0041	1.0022	1.0032	1.0032	1.0047	1.0047
8-9	1.0141	1.0108	1.0072	1.0062	0.9978	1.0020	1.0037	1.0072	1.0072
7-8	1.0131	1.0211	0.9987	0.9991	0.9973	0.9982	0.9984	1.0059	1.0059
6-7	1.0065	1.0061	1.0082	1.0162	1.0082	1.0122	1.0109	1.0090	1.0090
5-6	1.0114	1.0073	0.9982	0.9987	1.0085	1.0036	1.0018	1.0048	1.0048
4-5	1.0125	1.0164	1.0061	1.0088	1.0308	1.0198	1.0152	1.0149	1.0149
3-4	1.0144	1.0139	0.9925	1.0047	0.9974	1.0011	0.9982	1.0046	1.0046
2-3	1.0340	1.0316	1.0252	1.0201	1.0200	1.0201	1.0218	1.0262	1.0262
1-2	1.0904	1.0682	1.0874	1.0717	1.0479	1.0598	1.0690	1.0731	1.0731

MEDICAL	Paid LDF 12-13	Paid LDF 13-14	Paid LDF 14-15	Paid LDF 15-16	Paid LDF 16-17	2 Yr. Avg. LDF	3 Yr. Avg. LDF	5 Yr. Avg. LDF	Selected Paid LDF
29-30				1.0087	1.0093	1.0090	1.0090	1.0090	1.0090
28-29			1.0056	1.0084	1.0049	1.0067	1.0063	1.0063	1.0063
27-28		1.0123	1.0070	1.0058	1.0088	1.0073	1.0072	1.0085	1.0072
26-27	1.0105	1.0084	1.0067	1.0100	1.0060	1.0080	1.0076	1.0083	1.0076
25-26	1.0106	1.0086	1.0087	1.0077	1.0063	1.0070	1.0076	1.0084	1.0076
24-25	1.0075	1.0082	1.0063	1.0059	1.0081	1.0070	1.0068	1.0072	1.0068
23-24	1.0105	1.0070	1.0067	1.0118	1.0094	1.0106	1.0093	1.0091	1.0093
22-23	1.0088	1.0080	1.0102	1.0080	1.0118	1.0099	1.0100	1.0094	1.0100
21-22	1.0097	1.0113	1.0110	1.0125	1.0105	1.0115	1.0113	1.0110	1.0113
20-21	1.0120	1.0126	1.0140	1.0067	1.0097	1.0082	1.0101	1.0110	1.0101
19-20	1.0145	1.0121	1.0082	1.0117	1.0090	1.0104	1.0096	1.0111	1.0096
18-19	1.0135	1.0091	1.0111	1.0115	1.0099	1.0099	1.0103	1.0107	1.0103
17-18	1.0133	1.0110	1.0098	1.0092	1.0068	1.0080	1.0086	1.0100	1.0086
16-17	1.0192	1.0098	1.0105	1.0080	1.0080	1.0080	1.0088	1.0111	1.0088
15-16	1.0113	1.0076	1.0079	1.0081	1.0056	1.0069	1.0072	1.0081	1.0072
14-15	1.0111	1.0134	1.0104	1.0092	1.0110	1.0101	1.0102	1.0110	1.0102
13-14	1.0115	1.0109	1.0067	1.0149	1.0082	1.0116	1.0099	1.0104	1.0099
12-13	1.0126	1.0086	1.0141	1.0107	1.0077	1.0092	1.0108	1.0107	1.0108
11-12	1.0120	1.0156	1.0108	1.0095	1.0102	1.0099	1.0102	1.0116	1.0102
10-11	1.0151	1.0124	1.0109	1.0097	1.0094	1.0096	1.0100	1.0115	1.0100
9-10	1.0128	1.0131	1.0137	1.0146	1.0113	1.0130	1.0132	1.0131	1.0132
8-9	1.0165	1.0142	1.0148	1.0139	1.0095	1.0117	1.0127	1.0138	1.0127
7-8	1.0162	1.0150	1.0135	1.0110	1.0113	1.0120	1.0120	1.0134	1.0120
6-7	1.0215	1.0215	1.0128	1.0134	1.0142	1.0138	1.0135	1.0167	1.0135
5-6	1.0194	1.0169	1.0160	1.0157	1.0148	1.0153	1.0155	1.0166	1.0155
4-5	1.0248	1.0248	1.0203	1.0177	1.0158	1.0168	1.0179	1.0207	1.0179
3-4	1.0403	1.0390	1.0350	1.0372	1.0298	1.0335	1.0340	1.0363	1.0340
2-3	1.0828	1.0831	1.0695	1.0776	1.0632	1.0704	1.0701	1.0752	1.0701
1-2	1.2548	1.2529	1.2528	1.2608	1.2492	1.2550	1.2543	1.2541	1.2543

MEDICAL	Pd-Inc. LDF 12-13	Pd-Inc. LDF 13-14	Pd-Inc. LDF 14-15	Pd-Inc. LDF 15-16	Pd-Inc. LDF 16-17	2 Yr. Avg. LDF	3 Yr. Avg. LDF	5 Yr. Avg. LDF	Selected LDF
29-30				1.0658	1.0877	1.0768	1.0768	1.0768	1.0768
28-29			1.0626	1.0736	1.0561	1.0649	1.0641	1.0641	1.0641
27-28		1.0799	1.0828	1.0637	1.0740	1.0689	1.0735	1.0751	1.0735
26-27	1.0880	1.0884	1.0693	1.0841	1.0498	1.0670	1.0677	1.0759	1.0677
25-26	1.0938	1.0783	1.0856	1.0573	1.0617	1.0595	1.0682	1.0753	1.0682
24-25	1.0796	1.0827	1.0590	1.0657	1.0627	1.0642	1.0625	1.0699	1.0625
23-24	1.0893	1.0613	1.0734	1.0751	1.0695	1.0723	1.0727	1.0737	1.0727
22-23	1.0612	1.0760	1.0810	1.0706	1.0793	1.0750	1.0770	1.0736	1.0770
21-22	1.0843	1.0901	1.0787	1.0865	1.0748	1.0807	1.0800	1.0829	1.0800
20-21	1.0973	1.0835	1.0981	1.0822	1.0920	1.0871	1.0908	1.0906	1.0908
19-20	1.0872	1.1001	1.0897	1.0975	1.0798	1.0887	1.0890	1.0909	1.0890
18-19	1.1040	1.0843	1.1004	1.0979	1.0862	1.0921	1.0948	1.0946	1.0948
17-18	1.0968	1.1154	1.0993	1.0889	1.0676	1.0783	1.0853	1.0936	1.0853
16-17	1.1221	1.1014	1.0970	1.0831	1.0648	1.0740	1.0816	1.0937	1.0816
15-16	1.1066	1.0968	1.0858	1.0719	1.0495	1.0607	1.0691	1.0821	1.0691
14-15	1.1042	1.1050	1.0753	1.0591	1.0712	1.0652	1.0685	1.0830	1.0685
13-14	1.1019	1.0782	1.0612	1.0814	1.0608	1.0711	1.0678	1.0767	1.0678
12-13	1.0868	1.0638	1.0905	1.0667	1.0622	1.0645	1.0731	1.0740	1.0731
11-12	1.0715	1.0936	1.0693	1.0690	1.0782	1.0736	1.0722	1.0763	1.0722
10-11	1.0918	1.0770	1.0791	1.0825	1.0709	1.0767	1.0775	1.0803	1.0775
9-10	1.0796	1.0917	1.0850	1.0822	1.0604	1.0713	1.0759	1.0798	1.0759
8-9	1.0969	1.0968	1.0914	1.0737	1.0574	1.0656	1.0742	1.0832	1.0742
7-8	1.1026	1.0997	1.0789	1.0704	1.0720	1.0712	1.0738	1.0847	1.0738
6-7	1.1000	1.1035	1.0843	1.0921	1.0957	1.0939	1.0907	1.0951	1.0907
5-6	1.1180	1.0935	1.0899	1.1177	1.0866	1.1022	1.0981	1.1011	1.0981
4-5	1.1124	1.1191	1.1348	1.0971	1.1226	1.1099	1.1182	1.1172	1.1182
3-4	1.1453	1.1723	1.1205	1.1315	1.1537	1.1426	1.1352	1.1447	1.1352
2-3	1.2486	1.2201	1.1943	1.2551	1.1814	1.2183	1.2103	1.2199	1.2103
1-2	1.4869	1.4602	1.5148	1.4681	1.4811	1.4746	1.4880	1.4822	1.4880



MEDICAL	Selected Paid LDF	Selected Pd-Incur LDF	Selected Incurred LDF
Beyond			1.0062
29-30	1.0090	1.0768	1.0093
28-29	1.0063	1.0641	0.9992
27-28	1.0072	1.0735	1.0021
26-27	1.0076	1.0677	1.0033
25-26	1.0076	1.0682	1.0067
24-25	1.0068	1.0625	1.0034
23-24	1.0093	1.0727	1.0055
22-23	1.0100	1.0770	1.0038
21-22	1.0113	1.0800	1.0057
20-21	1.0101	1.0908	1.0070
19-20	1.0096	1.0890	1.0062
18-19	1.0103	1.0948	1.0028
17-18	1.0086	1.0853	1.0038
16-17	1.0088	1.0816	1.0049
15-16	1.0072	1.0691	1.0038
14-15	1.0102	1.0685	1.0070
13-14	1.0099	1.0678	1.0045
12-13	1.0108	1.0731	1.0064
11-12	1.0102	1.0722	1.0074
10-11	1.0100	1.0775	1.0069
9-10	1.0132	1.0759	1.0047
8-9	1.0127	1.0742	1.0072
7-8	1.0120	1.0738	1.0059
6-7	1.0135	1.0907	1.0090
5-6	1.0155	1.0981	1.0048
4-5	1.0179	1.1182	1.0149
3-4	1.0340	1.1352	1.0046
2-3	1.0701	1.2103	1.0262
1-2	1.2543	1.4880	1.0731

MEDICAL	Policy Year	Incurred LDF	Paid to 30th LDF
Beyond		1.0062	1.0062
29-30	1988	1.0093	1.0768
28-29	1989	0.9992	1.0063
27-28	1990	1.0021	1.0072
26-27	1991	1.0033	1.0076
25-26	1992	1.0067	1.0076
24-25	1993	1.0034	1.0068
23-24	1994	1.0055	1.0093
22-23	1995	1.0038	1.0100
21-22	1996	1.0057	1.0113
20-21	1997	1.0070	1.0101
19-20	1998	1.0062	1.0096
18-19	1999	1.0028	1.0103
17-18	2000	1.0038	1.0086
16-17	2001	1.0049	1.0088
15-16	2002	1.0038	1.0072
14-15	2003	1.0070	1.0102
13-14	2004	1.0045	1.0099
12-13	2005	1.0064	1.0108
11-12	2006	1.0074	1.0102
10-11	2007	1.0069	1.0100
9-10	2008	1.0047	1.0132
8-9	2009	1.0072	1.0127
7-8	2010	1.0059	1.0120
6-7	2011	1.0090	1.0135
5-6	2012	1.0048	1.0155
4-5	2013	1.0149	1.0179
3-4	2014	1.0046	1.0340
2-3	2015	1.0262	1.0701
1-2	2016	1.0731	1.2543

MEDICAL	Policy Year	Incurred Cum LDF	Paid to 30th Cum LDF
Beyond		1.0062	1.0062
29-30	1988	1.0156	1.0834
28-29	1989	1.0148	1.0903
27-28	1990	1.0169	1.0981
26-27	1991	1.0203	1.1064
25-26	1992	1.0271	1.1148
24-25	1993	1.0306	1.1223
23-24	1994	1.0363	1.1328
22-23	1995	1.0402	1.1441
21-22	1996	1.0461	1.1571
20-21	1997	1.0534	1.1688
19-20	1998	1.0599	1.1800
18-19	1999	1.0629	1.1922
17-18	2000	1.0670	1.2024
16-17	2001	1.0722	1.2130
15-16	2002	1.0763	1.2218
14-15	2003	1.0838	1.2342
13-14	2004	1.0887	1.2465
12-13	2005	1.0957	1.2600
11-12	2006	1.1037	1.2728
10-11	2007	1.1113	1.2855
9-10	2008	1.1165	1.3025
8-9	2009	1.1246	1.3191
7-8	2010	1.1312	1.3349
6-7	2011	1.1414	1.3529
5-6	2012	1.1469	1.3739
4-5	2013	1.1640	1.3985
3-4	2014	1.1694	1.4460
2-3	2015	1.2000	1.5474
1-2	2016	1.2877	1.9409

MEDICAL	Policy Year	Benefit Level Factor	LAE
Beyond			
29-30	1988	1.0000	1.0000
28-29	1989	1.0000	1.0000
27-28	1990	1.0000	1.0000
26-27	1991	1.0000	1.0000
25-26	1992	1.0000	1.0000
24-25	1993	1.0000	1.0000
23-24	1994	1.0000	1.0000
22-23	1995	1.0000	1.0000
21-22	1996	1.0000	1.0000
20-21	1997	1.0000	1.0000
19-20	1998	1.0000	1.0000
18-19	1999	1.0000	1.0000
17-18	2000	1.0000	1.0000
16-17	2001	1.0000	1.0000
15-16	2002	1.0000	1.0000
14-15	2003	1.0000	1.0000
13-14	2004	1.0000	1.0000
12-13	2005	1.0000	1.0000
11-12	2006	1.0000	1.0000
10-11	2007	1.0000	1.0000
9-10	2008	1.0000	1.0000
8-9	2009	1.0000	1.0000
7-8	2010	1.0000	1.0000
6-7	2011	1.0000	1.0000
5-6	2012	1.0000	1.0000
4-5	2013	1.0000	1.0000
3-4	2014	1.0000	1.0000
2-3	2015	1.0000	1.0000
1-2	2016	1.0000	1.0000

MEDICAL	Policy Year	Incurred Base	Paid to 30th Base
Beyond			
29-30	1988	531,644,703	505,825,828
28-29	1989	652,174,133	612,553,295
27-28	1990	672,810,097	644,783,537
26-27	1991	624,824,128	592,197,669
25-26	1992	551,850,822	523,495,677
24-25	1993	432,557,841	408,255,169
23-24	1994	407,092,853	381,638,691
22-23	1995	374,821,900	352,423,286
21-22	1996	376,983,430	348,560,947
20-21	1997	393,373,140	367,596,686
19-20	1998	424,372,325	393,889,797
18-19	1999	449,660,093	424,031,014
17-18	2000	483,494,029	457,712,491
16-17	2001	476,555,529	456,603,866
15-16	2002	537,363,133	507,194,708
14-15	2003	553,079,321	525,618,743
13-14	2004	607,795,211	576,635,051
12-13	2005	636,308,992	596,206,243
11-12	2006	646,488,471	609,399,839
10-11	2007	695,328,858	663,090,515
9-10	2008	626,418,940	598,014,414
8-9	2009	556,677,803	525,267,841
7-8	2010	604,879,879	559,862,860
6-7	2011	596,687,478	557,259,255
5-6	2012	556,010,152	503,111,608
4-5	2013	579,531,357	517,270,705
3-4	2014	584,417,377	525,968,802
2-3	2015	534,288,608	450,619,207
1-2	2016	491,373,811	358,709,085

MEDICAL	Policy Year	Proj Ult Incurred (Avg Pd & Inc)	Proj Ult Incurred (Incur)	Proj Ult Incurred (Pd-30)
Beyond				
29-30	1988	543,975,031	539,938,360	548,011,702
28-29	1989	664,846,584	661,826,310	667,866,858
27-28	1990	696,108,695	684,180,588	708,036,802
26-27	1991	646,357,780	637,508,058	655,207,501
25-26	1992	575,199,480	566,805,979	583,592,981
24-25	1993	451,989,444	445,794,111	458,184,776
23-24	1994	427,095,317	421,870,324	432,320,309
22-23	1995	396,548,611	389,889,740	403,207,482
21-22	1996	398,841,119	394,362,366	403,319,872
20-21	1997	422,013,137	414,379,266	429,647,007
19-20	1998	457,291,094	449,792,227	464,789,960
18-19	1999	491,736,744	477,943,713	505,529,775
17-18	2000	533,120,814	515,888,129	550,353,499
16-17	2001	532,411,664	510,962,838	553,860,489
15-16	2002	599,027,217	578,363,940	619,690,494
14-15	2003	624,073,011	599,427,368	648,718,653
13-14	2004	690,241,119	661,706,646	718,775,591
12-13	2005	724,211,815	697,203,763	751,219,866
11-12	2006	744,586,720	713,529,325	775,644,115
10-11	2007	812,560,909	772,718,960	852,402,857
9-10	2008	739,155,261	699,396,747	778,913,774
8-9	2009	659,460,333	626,039,857	692,880,809
7-8	2010	715,800,526	684,240,119	747,360,932
6-7	2011	717,487,567	681,059,087	753,916,046
5-6	2012	664,456,541	637,688,043	691,225,038
4-5	2013	698,988,791	674,574,500	723,403,081
3-4	2014	721,984,285	683,417,681	760,550,888
2-3	2015	669,217,246	641,146,330	697,288,161
1-2	2016	664,480,260	632,742,056	696,218,463

MEDICAL	Policy Year	Adjusted Incurred (Avg Pd & Inc)	Adjusted Incurred (Incur)	Adjusted Incurred (Pd-30)
Beyond				
29-30	1988	543,975,031	539,938,360	548,011,702
28-29	1989	664,846,584	661,826,310	667,866,858
27-28	1990	696,108,695	684,180,588	708,036,802
26-27	1991	646,357,780	637,508,058	655,207,501
25-26	1992	575,199,480	566,805,979	583,592,981
24-25	1993	451,989,444	445,794,111	458,184,776
23-24	1994	427,095,317	421,870,324	432,320,309
22-23	1995	396,548,611	389,889,740	403,207,482
21-22	1996	398,841,119	394,362,366	403,319,872
20-21	1997	422,013,137	414,379,266	429,647,007
19-20	1998	457,291,094	449,792,227	464,789,960
18-19	1999	491,736,744	477,943,713	505,529,775
17-18	2000	533,120,814	515,888,129	550,353,499
16-17	2001	532,411,664	510,962,838	553,860,489
15-16	2002	599,027,217	578,363,940	619,690,494
14-15	2003	624,073,011	599,427,368	648,718,653
13-14	2004	690,241,119	661,706,646	718,775,591
12-13	2005	724,211,815	697,203,763	751,219,866
11-12	2006	744,586,720	713,529,325	775,644,115
10-11	2007	812,560,909	772,718,960	852,402,857
9-10	2008	739,155,261	699,396,747	778,913,774
8-9	2009	659,460,333	626,039,857	692,880,809
7-8	2010	715,800,526	684,240,119	747,360,932
6-7	2011	717,487,567	681,059,087	753,916,046
5-6	2012	664,456,541	637,688,043	691,225,038
4-5	2013	698,988,791	674,574,500	723,403,081
3-4	2014	721,984,285	683,417,681	760,550,888
2-3	2015	669,217,246	641,146,330	697,288,161
1-2	2016	664,480,260	632,742,056	696,218,463

MEDICAL

Policy Year	Loss Ratio (Avg Pd & Inc)	Loss Ratio (Incur)	Loss Ratio (Pd-30)
1988	0.6173	0.6127	0.6219
1989	0.7613	0.7578	0.7647
1990	0.7685	0.7554	0.7817
1991	0.8096	0.7986	0.8207
1992	0.7808	0.7694	0.7922
1993	0.6899	0.6804	0.6993
1994	0.6745	0.6662	0.6827
1995	0.6761	0.6648	0.6875
1996	0.6618	0.6544	0.6693
1997	0.6975	0.6848	0.7101
1998	0.6988	0.6873	0.7102
1999	0.7017	0.6820	0.7214
2000	0.7118	0.6888	0.7349
2001	0.6639	0.6372	0.6907
2002	0.7187	0.6939	0.7435
2003	0.7104	0.6823	0.7384
2004	0.7456	0.7148	0.7764
2005	0.7034	0.6771	0.7296
2006	0.6852	0.6567	0.7138
2007	0.7188	0.6836	0.7541
2008	0.6694	0.6334	0.7054
2009	0.6358	0.6035	0.6680
2010	0.6521	0.6234	0.6809
2011	0.6396	0.6071	0.6721
2012	0.6114	0.5868	0.6360
2013	0.6293	0.6073	0.6513
2014	0.6142	0.5814	0.6470
2015	0.5386	0.5160	0.5612
2016	0.5215	0.4966	0.5465

MEDICAL FREQUENCY

Policy Year	Claim Frequency	Normalized Frequency	Trend Factor to 1/1/17	Selected Ann Trend Factor	Trend Period # Years	Trend 1/1/17-4/1/20	Combined Trend Factor
				-6.3%	1		
				-6.3%	1		
				-6.3%	1.25		
2005	25.35	1.0000					
2006	24.42	0.9633					
2007	23.02	0.9081					
2008	21.28	0.8394					
2009	20.60	0.8126					
2010	20.30	0.8008					
2011	19.06	0.7519					
2012	17.82	0.7030					
2013	17.41	0.6868					
2014	15.95	0.6292	0.8777			0.8090	0.7101
2015	14.71	0.5803	0.9369			0.8090	0.7579
2016	13.62	0.5373	1.0000			0.8090	0.8090

MEDICAL SEVERITY RATIOS

Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
2005	0.7034	0.6771	0.7296
2006	0.7113	0.6817	0.7410
2007	0.7916	0.7528	0.8304
2008	0.7974	0.7545	0.8403
2009	0.7824	0.7427	0.8220
2010	0.8143	0.7785	0.8503
2011	0.8507	0.8074	0.8939
2012	0.8698	0.8348	0.9047
2013	0.9163	0.8843	0.9483
2014	0.9762	0.9240	1.0283
2015	0.9282	0.8892	0.9671
2016	0.9706	0.9243	1.0172

MEDICAL Linear FITTED	Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
4 Point	2013	0.9306	0.8927	0.9684
	2014	0.9421	0.9012	0.9830
	2015	0.9536	0.9097	0.9975
	2016	0.9651	0.9182	1.0121
5 Point	2012	0.8895	0.8545	0.9244
	2013	0.9109	0.8729	0.9487
	2014	0.9322	0.8913	0.9731
	2015	0.9536	0.9097	0.9975
	2016	0.9749	0.9281	1.0219
6 Point	2011	0.8590	0.8211	0.8968
	2012	0.8829	0.8436	0.9220
	2013	0.9067	0.8661	0.9473
	2014	0.9306	0.8886	0.9725
	2015	0.9544	0.9111	0.9978
	2016	0.9782	0.9336	1.0230
7 Point	2010	0.8255	0.7893	0.8617
	2011	0.8516	0.8139	0.8892
	2012	0.8776	0.8386	0.9167
	2013	0.9037	0.8632	0.9443
	2014	0.9298	0.8879	0.9718
	2015	0.9559	0.9125	0.9993
	2016	0.9820	0.9372	1.0268
8 Point	2009	0.7923	0.7555	0.8291
	2010	0.8198	0.7820	0.8576
	2011	0.8473	0.8084	0.8862
	2012	0.8748	0.8349	0.9147
	2013	0.9023	0.8614	0.9432
	2014	0.9298	0.8879	0.9718
	2015	0.9573	0.9143	1.0003
	2016	0.9848	0.9408	1.0289
9 Point	2008	0.7771	0.7386	0.8156
	2009	0.8025	0.7634	0.8415
	2010	0.8278	0.7882	0.8673
	2011	0.8531	0.8130	0.8932
	2012	0.8784	0.8377	0.9191
	2013	0.9038	0.8625	0.9450
	2014	0.9291	0.8873	0.9709
	2015	0.9544	0.9121	0.9968
	2016	0.9797	0.9369	1.0227
10 Point	2007	0.7655	0.7273	0.8037
	2008	0.7887	0.7500	0.8274
	2009	0.8119	0.7726	0.8511
	2010	0.8350	0.7953	0.8747
	2011	0.8582	0.8179	0.8984
	2012	0.8813	0.8406	0.9221
	2013	0.9045	0.8632	0.9458
	2014	0.9276	0.8859	0.9694
	2015	0.9508	0.9085	0.9931
	2016	0.9740	0.9312	1.0168

MEDICAL Linear <b>TRENDED</b>		Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
4 Point	Fitted	1.0024	0.9459	1.0593
5 Point	Fitted	1.0443	0.9879	1.1011
6 Point	Fitted	1.0557	1.0067	1.1051
7 Point	Fitted	1.0667	1.0173	1.1163
8 Point	Fitted	1.0742	1.0269	1.1216
9 Point	Fitted	1.0621	1.0174	1.1068
10 Point	Fitted	1.0492	1.0048	1.0937

MEDICAL Linear <b>Severity Trend Factor</b>		Sev Trend Factor (Avg Pd & Inc)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-30)
4 Point	2014	1.0640	1.0496	1.0777
	2015	1.0512	1.0398	1.0620
	2016	1.0387	1.0302	1.0467
5 Point	2014	1.1202	1.1083	1.1315
	2015	1.0952	1.0859	1.1039
	2016	1.0712	1.0644	1.0775
6 Point	2014	1.1345	1.1329	1.1363
	2015	1.1062	1.1049	1.1075
	2016	1.0792	1.0783	1.0802
7 Point	2014	1.1473	1.1458	1.1487
	2015	1.1160	1.1148	1.1171
	2016	1.0863	1.0855	1.0871
8 Point	2014	1.1553	1.1566	1.1542
	2015	1.1221	1.1231	1.1212
	2016	1.0907	1.0915	1.0901
9 Point	2014	1.1431	1.1466	1.1400
	2015	1.1128	1.1155	1.1104
	2016	1.0840	1.0860	1.0823
10 Point	2014	1.1311	1.1342	1.1282
	2015	1.1035	1.1060	1.1013
	2016	1.0773	1.0791	1.0757

MEDICAL Expon'l <b>FITTED</b>	Policy Year	Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
4 Point	2013	0.9302	0.8925	0.9678
	2014	0.9417	0.9010	0.9823
	2015	0.9533	0.9095	0.9971
	2016	0.9650	0.9182	1.0120
5 Point	2012	0.8891	0.8542	0.9239
	2013	0.9100	0.8723	0.9477
	2014	0.9314	0.8907	0.9721
	2015	0.9533	0.9095	0.9971
	2016	0.9757	0.9288	1.0227
6 Point	2011	0.8592	0.8211	0.8971
	2012	0.8821	0.8428	0.9212
	2013	0.9055	0.8649	0.9460
	2014	0.9295	0.8877	0.9713
	2015	0.9542	0.9111	0.9974
	2016	0.9796	0.9351	1.0242
7 Point	2010	0.8264	0.7900	0.8628
	2011	0.8508	0.8132	0.8885
	2012	0.8760	0.8370	0.9150
	2013	0.9019	0.8616	0.9423
	2014	0.9286	0.8868	0.9704
	2015	0.9561	0.9129	0.9994
	2016	0.9844	0.9396	1.0292
8 Point	2009	0.7941	0.7571	0.8312
	2010	0.8194	0.7814	0.8573
	2011	0.8454	0.8065	0.8843
	2012	0.8723	0.8324	0.9121
	2013	0.9000	0.8592	0.9408
	2014	0.9286	0.8868	0.9704
	2015	0.9581	0.9154	1.0009
2016	0.9886	0.9448	1.0324	
9 Point	2008	0.7800	0.7413	0.8187
	2009	0.8029	0.7637	0.8421
	2010	0.8265	0.7868	0.8661
	2011	0.8508	0.8106	0.8909
	2012	0.8757	0.8351	0.9164
	2013	0.9014	0.8603	0.9426
	2014	0.9279	0.8863	0.9695
	2015	0.9551	0.9131	0.9972
	2016	0.9832	0.9406	1.0257
10 Point	2007	0.7693	0.7309	0.8077
	2008	0.7900	0.7511	0.8288
	2009	0.8113	0.7719	0.8506
	2010	0.8331	0.7933	0.8728
	2011	0.8555	0.8152	0.8957
	2012	0.8785	0.8378	0.9192
	2013	0.9022	0.8610	0.9433
	2014	0.9264	0.8848	0.9680
	2015	0.9514	0.9093	0.9934
	2016	0.9769	0.9345	1.0194

MEDICAL Expon'l <b>TRENDED</b>		Severity Ratio (Avg Pd & Inc)	Severity Ratio (Incur)	Severity Ratio (Pd-30)
4 Point	Fitted	1.0041	0.9467	1.0623
5 Point	Fitted	1.0522	0.9941	1.1107
6 Point	Fitted	1.0667	1.0174	1.1163
7 Point	Fitted	1.0823	1.0322	1.1324
8 Point	Fitted	1.0944	1.0471	1.1418
9 Point	Fitted	1.0801	1.0362	1.1241
10 Point	Fitted	1.0650	1.0212	1.1088

MEDICAL Expon'l <b>Severity Trend Factor</b>		Sev Trend Factor (Avg Pd & Inc)	Sev Trend Factor (Incur)	Sev Trend Factor (Pd-30)
4 Point	2014	1.0663	1.0508	1.0814
	2015	1.0533	1.0409	1.0654
	2016	1.0405	1.0311	1.0496
5 Point	2014	1.1297	1.1161	1.1427
	2015	1.1037	1.0930	1.1140
	2016	1.0784	1.0704	1.0861
6 Point	2014	1.1476	1.1462	1.1492
	2015	1.1179	1.1168	1.1192
	2016	1.0889	1.0881	1.0899
7 Point	2014	1.1654	1.1639	1.1669
	2015	1.1319	1.1307	1.1331
	2016	1.0994	1.0985	1.1003
8 Point	2014	1.1785	1.1807	1.1766
	2015	1.1422	1.1440	1.1407
	2016	1.1070	1.1083	1.1059
9 Point	2014	1.1640	1.1691	1.1595
	2015	1.1308	1.1348	1.1273
	2016	1.0986	1.1016	1.0959
10 Point	2014	1.1496	1.1541	1.1455
	2015	1.1194	1.1230	1.1162
	2016	1.0901	1.0928	1.0877



MEDICAL Linear LR Trend Factor		LR Trend Factor (Avg Pd & Inc)	LR Trend Factor (Incur)	LR Trend Factor (Pd-30)
4 Point	2014	0.7555	0.7453	0.7653
	2015	0.7967	0.7881	0.8049
	2016	0.8403	0.8334	0.8468
5 Point	2014	0.7955	0.7870	0.8035
	2015	0.8301	0.8230	0.8366
	2016	0.8666	0.8611	0.8717
6 Point	2014	0.8056	0.8045	0.8069
	2015	0.8384	0.8374	0.8394
	2016	0.8731	0.8723	0.8739
7 Point	2014	0.8147	0.8136	0.8157
	2015	0.8458	0.8449	0.8467
	2016	0.8788	0.8782	0.8795
8 Point	2014	0.8204	0.8213	0.8196
	2015	0.8504	0.8512	0.8498
	2016	0.8824	0.8830	0.8819
9 Point	2014	0.8117	0.8142	0.8095
	2015	0.8434	0.8454	0.8416
	2016	0.8770	0.8786	0.8756
10 Point	2014	0.8032	0.8054	0.8011
	2015	0.8363	0.8382	0.8347
	2016	0.8715	0.8730	0.8702

MEDICAL Expon'l LR Trend Factor		LR Trend Factor (Avg Pd & Inc)	LR Trend Factor (Incur)	LR Trend Factor (Pd-30)
4 Point	2014	0.7572	0.7462	0.7679
	2015	0.7983	0.7889	0.8075
	2016	0.8418	0.8342	0.8491
5 Point	2014	0.8022	0.7925	0.8114
	2015	0.8365	0.8284	0.8443
	2016	0.8724	0.8660	0.8787
6 Point	2014	0.8149	0.8139	0.8160
	2015	0.8473	0.8464	0.8482
	2016	0.8809	0.8803	0.8817
7 Point	2014	0.8276	0.8265	0.8286
	2015	0.8579	0.8570	0.8588
	2016	0.8894	0.8887	0.8901
8 Point	2014	0.8369	0.8384	0.8355
	2015	0.8657	0.8670	0.8645
	2016	0.8956	0.8966	0.8947
9 Point	2014	0.8266	0.8302	0.8234
	2015	0.8570	0.8601	0.8544
	2016	0.8888	0.8912	0.8866
10 Point	2014	0.8163	0.8195	0.8134
	2015	0.8484	0.8511	0.8460
	2016	0.8819	0.8841	0.8799

MEDICAL Linear <b>TRENDED LR</b>	Base Policy Year	Trended LR (Avg Pd & Inc)	Trended LR (Incur)	Trended LR (Pd-30)
4 Point	2014	0.4640	0.4333	0.4951
	2015	0.4291	0.4067	0.4517
	2016	0.4382	0.4139	0.4628
	3 Yr Ave	0.4438	0.4180	0.4699
5 Point	2014	0.4886	0.4576	0.5199
	2015	0.4471	0.4247	0.4695
	2016	0.4519	0.4276	0.4764
	3 Yr Ave	0.4625	0.4366	0.4886
6 Point	2014	0.4948	0.4677	0.5221
	2015	0.4516	0.4321	0.4711
	2016	0.4553	0.4332	0.4776
	3 Yr Ave	0.4672	0.4443	0.4903
7 Point	2014	0.5004	0.4730	0.5278
	2015	0.4555	0.4360	0.4752
	2016	0.4583	0.4361	0.4806
	3 Yr Ave	0.4714	0.4484	0.4945
8 Point	2014	0.5039	0.4775	0.5303
	2015	0.4580	0.4392	0.4769
	2016	0.4602	0.4385	0.4820
	3 Yr Ave	0.4740	0.4517	0.4964
9 Point	2014	0.4985	0.4734	0.5237
	2015	0.4543	0.4362	0.4723
	2016	0.4574	0.4363	0.4785
	3 Yr Ave	0.4701	0.4486	0.4915
10 Point	2014	0.4933	0.4683	0.5183
	2015	0.4504	0.4325	0.4684
	2016	0.4545	0.4335	0.4756
	3 Yr Ave	0.4661	0.4448	0.4874

MEDICAL Expon'l <b>TRENDED LR</b>	Base Policy Year	Trended LR (Avg Pd & Inc)	Trended LR (Incur)	Trended LR (Pd-30)
4 Point	2014	0.4651	0.4338	0.4968
	2015	0.4300	0.4071	0.4532
	2016	0.4390	0.4143	0.4640
	3 Yr Ave	0.4447	0.4184	0.4713
5 Point	2014	0.4927	0.4608	0.5250
	2015	0.4505	0.4275	0.4738
	2016	0.4550	0.4301	0.4802
	3 Yr Ave	0.4661	0.4395	0.4930
6 Point	2014	0.5005	0.4732	0.5280
	2015	0.4564	0.4367	0.4760
	2016	0.4594	0.4372	0.4818
	3 Yr Ave	0.4721	0.4490	0.4953
7 Point	2014	0.5083	0.4805	0.5361
	2015	0.4621	0.4422	0.4820
	2016	0.4638	0.4413	0.4864
	3 Yr Ave	<b>0.4781</b>	0.4547	0.5015
8 Point	2014	0.5140	0.4874	0.5406
	2015	0.4663	0.4474	0.4852
	2016	0.4671	0.4453	0.4890
	3 Yr Ave	0.4825	0.4600	0.5049
9 Point	2014	0.5077	0.4827	0.5327
	2015	0.4616	0.4438	0.4795
	2016	0.4635	0.4426	0.4845
	3 Yr Ave	0.4776	0.4564	0.4989
10 Point	2014	0.5014	0.4765	0.5263
	2015	0.4569	0.4392	0.4748
	2016	0.4599	0.4390	0.4809
	3 Yr Ave	0.4727	0.4516	0.4940

INDEMNITY Severity Annual Trend		(Avg Pd & Inc)	(Incur)	(Pd-30)
4 Point	Linear	2.5%	1.9%	3.1%
5 Point	Linear	2.6%	1.9%	3.3%
6 Point	Linear	2.4%	1.7%	2.9%
7 Point	Linear	2.1%	1.5%	2.5%
8 Point	Linear	1.7%	1.3%	2.1%
9 Point	Linear	1.5%	1.0%	1.8%
10 Point	Linear	1.4%	1.1%	1.8%
4 Point	Expon'l	2.7%	1.9%	3.4%
5 Point	Expon'l	2.9%	2.0%	3.7%
6 Point	Expon'l	2.6%	1.8%	3.3%
7 Point	Expon'l	2.3%	1.6%	2.8%
8 Point	Expon'l	1.9%	1.3%	2.3%
9 Point	Expon'l	1.6%	1.1%	2.0%
10 Point	Expon'l	1.6%	1.1%	2.0%

MEDICAL Severity Annual Trend		(Avg Pd & Inc)	(Incur)	(Pd-30)
4 Point	Linear	1.2%	0.9%	1.4%
5 Point	Linear	2.2%	2.0%	2.3%
6 Point	Linear	2.4%	2.4%	2.4%
7 Point	Linear	2.6%	2.6%	2.6%
8 Point	Linear	2.7%	2.8%	2.7%
9 Point	Linear	2.5%	2.6%	2.5%
10 Point	Linear	2.3%	2.4%	2.3%
4 Point	Expon'l	1.2%	0.9%	1.5%
5 Point	Expon'l	2.3%	2.1%	2.6%
6 Point	Expon'l	2.7%	2.6%	2.7%
7 Point	Expon'l	3.0%	2.9%	3.0%
8 Point	Expon'l	3.2%	3.2%	3.1%
9 Point	Expon'l	2.9%	3.0%	2.9%
10 Point	Expon'l	2.7%	2.8%	2.6%

INDEMNITY		(Avg Pd & Inc)	(Incur)	(Pd-30)
Loss Ratio				
Annual Trend				
4 Point	Linear	-3.96%	-4.61%	-3.40%
5 Point	Linear	-3.87%	-4.60%	-3.22%
6 Point	Linear	-4.11%	-4.74%	-3.56%
7 Point	Linear	-4.38%	-4.90%	-3.93%
8 Point	Linear	-4.71%	-5.15%	-4.33%
9 Point	Linear	-4.94%	-5.35%	-4.58%
10 Point	Linear	-4.97%	-5.35%	-4.62%
4 Point	Expon'l	-3.80%	-4.52%	-3.15%
5 Point	Expon'l	-3.64%	-4.50%	-2.87%
6 Point	Expon'l	-3.92%	-4.65%	-3.25%
7 Point	Expon'l	-4.22%	-4.81%	-3.67%
8 Point	Expon'l	-4.59%	-5.08%	-4.14%
9 Point	Expon'l	-4.85%	-5.31%	-4.43%
10 Point	Expon'l	-4.87%	-5.30%	-4.46%

MEDICAL		(Avg Pd & Inc)	(Incur)	(Pd-30)
Loss Ratio				
Annual Trend				
4 Point	Linear	-5.25%	-5.49%	-5.02%
5 Point	Linear	-4.32%	-4.52%	-4.14%
6 Point	Linear	-4.10%	-4.12%	-4.07%
7 Point	Linear	-3.89%	-3.91%	-3.87%
8 Point	Linear	-3.77%	-3.75%	-3.79%
9 Point	Linear	-3.96%	-3.90%	-4.01%
10 Point	Linear	-4.15%	-4.10%	-4.20%
4 Point	Expon'l	-5.20%	-5.47%	-4.95%
5 Point	Expon'l	-4.15%	-4.37%	-3.94%
6 Point	Expon'l	-3.86%	-3.88%	-3.84%
7 Point	Expon'l	-3.57%	-3.60%	-3.55%
8 Point	Expon'l	-3.37%	-3.34%	-3.40%
9 Point	Expon'l	-3.60%	-3.51%	-3.67%
10 Point	Expon'l	-3.83%	-3.75%	-3.90%