

DELAWARE COMPENSATION RATING BUREAU, INC.

Loss Development Triangles – Limited Losses

Pages 1 through 3 of this exhibit display indemnity triangles for incurred and paid loss development factors and the ratios of incurred to paid losses. Reported indemnity losses are not adjusted as there are no reforms impacting these losses.

Pages 4 through 6 of this exhibit display medical triangles on a post-House Bill 373 basis for incurred and paid loss development factors and the ratios of incurred to paid losses.

The number of diagonals shown in this exhibit are limited due to the change from a pre-Senate Bill 1 basis to a post-House Bill 373 basis in the rate and loss cost filing effective December 1, 2017.

Policy Year	INDEMNITY INCURRED																												
	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30
1986																													
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2016																													
2017																													
2018																													
2019																													
AVERAGES																													
3 Year	1.3272	1.1282	1.0468	1.0253	1.0098	1.0148	1.0078	1.0079	1.0033	1.0042	1.0052	1.0022	1.0038	1.0015	0.9971	1.0000	0.9991	0.9991	0.9997	1.0005	1.0008	0.9999	0.9993	1.0017	1.0002	0.9985	0.9992	0.9993	0.9998
4 Year	1.3544	1.1198	1.0488	1.0250	1.0101	1.0160	1.0066	1.0112	1.0084	1.0031	1.0030	1.0015	1.0045	1.0011	0.9974	1.0000	0.9994	0.9985	1.0002	1.0006	0.9985	1.0000	1.0006	1.0004	0.9999	0.9986	0.9996	0.9994	0.9998
5 Year	1.3756	1.1155	1.0450	1.0255	1.0098	1.0188	1.0086	1.0102	1.0058	1.0031	1.0032	1.0016	1.0034	1.0007	0.9971	0.9997	1.0001	0.9989	1.0000	1.0005	0.9987	1.0005	1.0006	1.0000	0.9993	0.9994	0.9992	0.9994	1.0012
8 Year	1.3452	1.1174	1.0516	1.0251	1.0171	1.0183	1.0083	1.0090	1.0058	1.0048	1.0022	1.0006	1.0023	0.9996	0.9974	1.0003	0.9993	0.9993	0.9985	1.0005	0.9986	1.0012	1.0000	1.0012	0.9987	0.9997	0.9993	0.9993	1.0000
All Available	1.3357	1.1404	1.0508	1.0272	1.0180	1.0209	1.0093	1.0093	1.0060	1.0040	1.0016	1.0045	1.0018	0.9997	0.9984	1.0006	0.9971	1.0039	0.9977	0.9998	0.9985	1.0007	1.0003	1.0014	0.9981	0.9996	0.9993	0.9993	1.0000
Last Year Selected	1.3818	1.1074	1.0501	1.0287	1.0184	1.0127	1.0092	1.0069	1.0053	1.0042	1.0034	1.0028	1.0023	1.0019	1.0016	1.0014	1.0012	1.0010	1.0009										
Last Year Cumulative	1.7749	1.2845	1.1599	1.1046	1.0737	1.0543	1.0411	1.0316	1.0246	1.0192	1.0149	1.0115	1.0086	1.0063	1.0044	1.0028	1.0014	1.0002	0.9992										
Selected*	1.3544	1.1196	1.0489	1.0256	1.0156	1.0104	1.0075	1.0056	1.0043	1.0035	1.0028	1.0024	1.0020	1.0017	1.0015	1.0013	1.0011	1.0010	1.0009										
Cumulative	1.7357	1.2815	1.1446	1.0913	1.0640	1.0477	1.0369	1.0292	1.0234	1.0191	1.0155	1.0127	1.0102	1.0082	1.0065	1.0050	1.0037	1.0026	1.0016										

*Y = 1/(a+b*x+c*x^2)
a = 3.812274 b = -4.255945 c = 3.265240

20th to ULT

Policy Year	INDEMNITY PAID																													
	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	
1986																										1.0024	1.0008	1.0018	1.0022	0.9988
1987																								1.0001	0.9848	1.0015	1.0008	0.9985	1.0056	
1988																							1.0019	1.0078	1.0002	1.0045	1.0003	0.9998	1.0000	
1989																					1.0017	1.0006	1.0021	1.0027	0.9968	1.0000	0.9965	0.9997	1.0011	
1990																								1.0006	1.0021	1.0027	1.0012	1.0011	1.0015	1.0019
1991																				1.0055	1.0032	1.0198	1.0040	1.0006	1.0010	0.9996	0.9995	0.9988	0.9993	
1992																			1.0062	0.9976	0.9984	0.9973	0.9985	0.9993	0.9991	0.9982	0.9999	1.0000		
1993																		1.0063	1.0025	1.0007	1.0051	1.0011	1.0034	1.0022	1.0014	1.0029	1.0011			
1994																		1.0040	1.0023	1.0387	1.0025	1.0090	1.0011	1.0039	1.0021	1.0029	1.0017			
1995																		1.0021	1.0025	1.0005	1.0015	1.0002	1.0008	1.0011	1.0011	1.0013	1.0005			
1996																		1.0057	1.0061	1.0035	1.0036	1.0030	1.0016	1.0010	1.0012	1.0001	1.0016			
1997																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
1998																		1.0101	1.0028	1.0101	1.0078	1.0025	1.0067	1.0010	1.0016	1.0026	1.0008			
1999																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
2000																		1.0108	1.0108	1.0087	1.0069	1.0023	1.0119	1.0019	1.0048	1.0002	1.0038			
2001																		1.0114	1.0126	1.0112	1.0092	1.0057	1.0023	1.0017	0.9980	1.0021	1.0016			
2002																		1.0108	1.0108	1.0087	1.0069	1.0023	1.0119	1.0019	1.0048	1.0002	1.0038			
2003																		1.0114	1.0126	1.0112	1.0092	1.0057	1.0023	1.0017	0.9980	1.0021	1.0016			
2004																		1.0101	1.0028	1.0101	1.0078	1.0025	1.0067	1.0010	1.0016	1.0026	1.0008			
2005																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
2006																		1.0057	1.0061	1.0035	1.0036	1.0030	1.0016	1.0010	1.0012	1.0001	1.0016			
2007																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
2008																		1.0101	1.0028	1.0101	1.0078	1.0025	1.0067	1.0010	1.0016	1.0026	1.0008			
2009																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
2010																		1.0101	1.0028	1.0101	1.0078	1.0025	1.0067	1.0010	1.0016	1.0026	1.0008			
2011																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
2012																		1.0101	1.0028	1.0101	1.0078	1.0025	1.0067	1.0010	1.0016	1.0026	1.0008			
2013																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
2014																		1.0101	1.0028	1.0101	1.0078	1.0025	1.0067	1.0010	1.0016	1.0026	1.0008			
2015																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
2016																		1.0101	1.0028	1.0101	1.0078	1.0025	1.0067	1.0010	1.0016	1.0026	1.0008			
2017																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
2018																		1.0101	1.0028	1.0101	1.0078	1.0025	1.0067	1.0010	1.0016	1.0026	1.0008			
2019																		1.0133	1.0129	1.0084	1.0032	0.9992	1.0049	1.0015	1.0032	1.0081	0.9999			
AVERAGES																														20th to ULT
3 Year	1.9112	1.4196	1.1688	1.0734	1.0548	1.0282	1.0237	1.0159	1.0077	1.0163	1.0121	1.0094	1.0057	1.0041	1.0018	1.0021	1.0000	1.0022	1.0006	1.0018	1.0019	1.0034	1.0004	1.0023	1.0016	1.0009	1.0002	0.9999	1.0008	
4 Year	1.9342	1.3943	1.1667	1.0779	1.0519	1.0336	1.0260	1.0203	1.0149	1.0179	1.0103	1.0075	1.0065	1.0043	1.0015	1.0020	1.0005	1.0019	1.0007	1.0017	1.0017	1.0028	1.0013	1.0023	1.0010	1.0006	1.0005	0.9999	1.0006	
5 Year	1.9770	1.3968	1.1754	1.0817	1.0521	1.0373	1.0350	1.0205	1.0141	1.0172	1.0095	1.0072	1.0070	1.0034	1.0016	1.0040	1.0012	1.0028	1.0015	1.0017	1.0015	1.0025	1.0017	1.0017	1.0010	1.0007	0.9997	0.9998	1.0016	
8 Year	1.9634	1.4008	1.1841	1.0839	1.0571	1.0396	1.0336	1.0262	1.0160	1.0195	1.0090	1.0079	1.0068	1.0041	1.0028	1.0059	1.0019	1.0022	1.0064	1.0015	1.0025	1.0038	1.0016	1.0015	1.0004	1.0012	1.0002	1.0000	1.0011	
All Available	1.9635	1.4300	1.1864	1.0914	1.0613	1.0416	1.0330	1.0264	1.0160	1.0183	1.0096	1.0085	1.0087	1.0049	1.0041	1.0055	1.0022	1.0026	1.0060	1.0015	1.0025	1.0031	1.0019	1.0020	0.9990	1.0011	1.0002	1.0000	1.0011	
Last Year Selected	1.9881	1.3881	1.1776	1.0956	1.0575	1.0374	1.0258	1.0186	1.0139	1.0107	1.0084	1.0067	1.0055	1.0046	1.0038	1.0032	1.0028	1.0024	1.0021										1.0004	
Last Year Cumulative	4.3521	2.1891	1.5770	1.3392	1.2223	1.1559	1.1142	1.0862	1.0663	1.0517	1.0406	1.0319	1.0251	1.0195	1.0148	1.0109	1.0077	1.0049	1.0025										1.0004	
Selected*	1.9351	1.3920	1.1678	1.0866	1.0510	1.0329	1.0226	1.0163	1.0123	1.0095	1.0075	1.0061	1.0050	1.0042	1.0035	1.0030	1.0026	1.0022	1.0020										1.0051	
Cumulative	4.1062	2.1219	1.5244	1.3053	1.2013	1.1430	1.1066	1.0822	1.0648	1.0519	1.0420	1.0342	1.0279	1.0228	1.0185	1.0150	1.0120	1.0093	1.0071										1.0051	

*Y = 1-exp(-a*x*b)
 a = 2.734491 b = -2.458259
 ** Selected Paid Tail Factor = Incurred Tail Factor * Selected Paid Bridge Factor (1.0007 * 1.0044 = 1.0051)

Policy Year	INDEMNITY INCURRED - PAID RATIO																														
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	
1986																											1.0207	1.0183	1.0148	1.0152	1.0088
1987																									1.0095	1.0148	1.0139	1.0113	1.0113	1.0153	
1988																								1.0127	1.0091	1.0085	1.0051	1.0026	1.0023	1.0020	
1989																							1.0118	1.0101	1.0083	1.0071	1.0064	1.0075	1.0077	1.0066	
1990																					1.0344	1.0207	1.0186	1.0165	1.0280	1.0245	1.0264	1.0259	1.0242	1.0229	
1991																				1.0025	1.0013	1.0012	1.0029	1.0023	1.0016	1.0013	1.0014	1.0003	1.0005	1.0000	
1992																			1.0372	1.0268	1.0265	1.0247	1.0143	1.0114	1.0055	1.0039	1.0023	1.0010			
1993																		1.0428	1.0747	1.0309	1.0368	1.0165	1.0178	1.0183	1.0185	1.0164	1.0108				
1994																															
1995																															
1996																	1.0346	1.0325	1.0222	1.0248	1.0213	1.0200	1.0104	1.0071	1.0062	1.0037					
1997																1.0539	1.0429	1.0341	1.0244	1.0177	1.0122	1.0113	1.0105	1.0040							
1998																	1.0306	1.0229	1.0161	1.0115	1.0053	1.0059	1.0041	1.0014	1.0010						
1999																	1.0190	1.0108	1.0110	1.0064	1.0050	1.0005	1.0005	1.0005	1.0005						
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2018																															
2019																															
2020																															
AVERAGES																															
3 Year	2.3149	1.5996	1.3121	1.1538	1.1161	1.0650	1.0680	1.0565	1.0416	1.0434	1.0412	1.0390	1.0258	1.0213	1.0169	1.0155	1.0106	1.0149	1.0117	1.0107	1.0061	1.0041	1.0040	1.0048	1.0089	1.0081	1.0048	1.0006	1.0082	1.0098	
4 Year	2.2634	1.6419	1.2958	1.1525	1.1175	1.0761	1.0628	1.0548	1.0509	1.0434	1.0409	1.0380	1.0236	1.0204	1.0201	1.0128	1.0139	1.0154	1.0089	1.0095	1.0074	1.0057	1.0046	1.0082	1.0081	1.0064	1.0039	1.0069	1.0081	1.0079	
5 Year	2.3042	1.6138	1.2882	1.1611	1.1228	1.0764	1.0663	1.0621	1.0520	1.0474	1.0415	1.0343	1.0229	1.0232	1.0174	1.0153	1.0148	1.0133	1.0082	1.0101	1.0099	1.0059	1.0072	1.0088	1.0068	1.0055	1.0084	1.0070	1.0069	1.0094	
8 Year	2.3246	1.6472	1.3141	1.1782	1.1426	1.1002	1.0880	1.0755	1.0598	1.0470	1.0396	1.0350	1.0256	1.0277	1.0213	1.0178	1.0163	1.0156	1.0132	1.0152	1.0151	1.0090	1.0090	1.0097	1.0095	1.0085	1.0084	1.0080	1.0087	1.0093	
All Available	2.3965	1.6655	1.3467	1.1987	1.1476	1.1101	1.0982	1.0768	1.0603	1.0509	1.0424	1.0393	1.0320	1.0277	1.0255	1.0220	1.0189	1.0190	1.0217	1.0151	1.0156	1.0121	1.0102	1.0100	1.0095	1.0103	1.0095	1.0080	1.0087	1.0093	

Policy Year	MEDICAL INCURRED (POST-HB373)																																			
	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30							
1986																									1.0013	0.9757	1.0056	1.0013	1.0004							
1987																									1.0090	1.0281	1.0041	1.0083	1.0077	0.9915						
1988																							1.0022	0.9995	0.9967	1.0040	1.0017	1.0013	1.0016							
1989																							1.0001	1.0027	1.0077	1.0121	1.0050	1.0068	0.9971	1.0021						
1990																							1.0065	0.9917	1.0027	1.0115	1.0134	0.9929	1.0106	1.0009	0.9857					
1991																							0.9995	0.9944	0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027				
1992																								1.0126	1.0014	1.0034	1.0153	1.0083	1.0000	0.9955	1.0030	0.9966	0.9992			
1993																								0.9801	1.0122	1.0070	1.0001	0.9994	1.0081	1.0126	0.9776	1.0000				
1994																								1.0088	1.0116	0.9761	1.0058	0.9865	1.0041	1.0152	1.0129	0.9881	0.9823			
1995																								0.9917	1.0027	1.0115	1.0134	0.9929	1.0106	1.0009	0.9857					
1996																								0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027					
1997																								0.9944	0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027				
1998																								1.0088	1.0116	0.9761	1.0058	0.9865	1.0041	1.0152	1.0129	0.9881	0.9823			
1999																								0.9917	1.0027	1.0115	1.0134	0.9929	1.0106	1.0009	0.9857					
2000																								0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027					
2001																								1.0088	1.0116	0.9761	1.0058	0.9865	1.0041	1.0152	1.0129	0.9881	0.9823			
2002																								0.9917	1.0027	1.0115	1.0134	0.9929	1.0106	1.0009	0.9857					
2003																								0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027					
2004																								1.0088	1.0116	0.9761	1.0058	0.9865	1.0041	1.0152	1.0129	0.9881	0.9823			
2005																								0.9917	1.0027	1.0115	1.0134	0.9929	1.0106	1.0009	0.9857					
2006																								0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027					
2007																								1.0088	1.0116	0.9761	1.0058	0.9865	1.0041	1.0152	1.0129	0.9881	0.9823			
2008																								0.9917	1.0027	1.0115	1.0134	0.9929	1.0106	1.0009	0.9857					
2009																								0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027					
2010																								1.0088	1.0116	0.9761	1.0058	0.9865	1.0041	1.0152	1.0129	0.9881	0.9823			
2011																								0.9917	1.0027	1.0115	1.0134	0.9929	1.0106	1.0009	0.9857					
2012																								0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027					
2013																								1.0088	1.0116	0.9761	1.0058	0.9865	1.0041	1.0152	1.0129	0.9881	0.9823			
2014																								0.9917	1.0027	1.0115	1.0134	0.9929	1.0106	1.0009	0.9857					
2015																								0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027					
2016																								1.0088	1.0116	0.9761	1.0058	0.9865	1.0041	1.0152	1.0129	0.9881	0.9823			
2017																								0.9917	1.0027	1.0115	1.0134	0.9929	1.0106	1.0009	0.9857					
2018																								0.9838	1.0039	0.9996	1.0019	1.0069	1.0004	1.0040	1.0027					
2019																								1.0088	1.0116	0.9761	1.0058	0.9865	1.0041	1.0152	1.0129	0.9881	0.9823			
AVERAGES																																				
3 Year	1.0427	1.0159	0.9793	1.0134	0.9988	0.9928	0.9894	0.9980	1.0009	0.9878	0.9915	0.9858	0.9979	0.9985	1.0018	0.9898	0.9865	0.9918	0.9988	0.9967	0.9873	0.9886	0.9982	1.0018	0.9987	0.9876	0.9990	1.0014	0.9968						20th to ULT	
4 Year	1.0767	1.0158	0.9944	1.0115	1.0076	0.9951	0.9953	1.0072	1.0030	0.9940	0.9950	0.9924	1.0056	1.0015	0.9976	0.9944	0.9818	0.9938	0.9998	1.0013	0.9908	0.9924	1.0025	1.0034	0.9979	0.9925	1.0019	1.0003	0.9980							
5 Year	1.0829	1.0271	1.0102	1.0118	1.0114	1.0054	1.0036	1.0082	1.0025	0.9933	0.9881	1.0019	1.0068	1.0017	0.9992	0.9996	0.9885	0.9947	1.0033	0.9998	0.9873	0.9947	1.0018	1.0027	0.9987	0.9925	1.0029	1.0005	0.9967							
8 Year	1.1427	1.0641	1.0276	1.0349	1.0322	1.0156	1.0214	1.0152	1.0106	1.0049	1.0005	1.0067	1.0086	1.0014	1.0032	0.9995	0.9939	0.9981	0.9992	1.0027	0.9917	0.9966	1.0030	1.0040	1.0020	0.9970	1.0038	1.0016	0.9973							
All Available	1.1523	1.0785	1.0367	1.0346	1.0338	1.0202	1.0192	1.0166	1.0140	1.0031	1.0026	1.0071	1.0057	1.0039	1.0056	1.0041	0.9957	0.9992	0.9987	1.0022	0.9934	0.9965	1.0029	1.0041	1.0045	0.9946	1.0038	1.0016	0.9973							
Last Year Selected	1.1547	1.0838	1.0553	1.0397	1.0298	1.0230	1.0181	1.0144	1.0116	1.0094	1.0076	1.0062	1.0050	1.0040	1.0032	1.0026	1.0020	1.0016	1.0012																1.0322	
Last Year Cumulative	1.6279	1.4098	1.3008	1.2327	1.1856	1.1513	1.1254	1.1054	1.0897	1.0772	1.0672	1.0591	1.0526	1.0474	1.0432	1.0399	1.0372	1.0351	1.0334																1.0322	
Selected*	1.1414	1.0661	1.0413	1.0291	1.0217	1.0169	1.0134	1.0108	1.0088	1.0072	1.0058	1.0047	1.0038	1.0030	1.0023	1.0017	1.0012	1.0007	1.0003																1.0192	
Cumulative	1.4712	1.2890	1.2091	1.1611	1.1283	1.1043	1.0860	1.0716	1.0601	1.0509	1.0434	1.0374	1.0325	1.0286	1.0255	1.0232	1.0214	1.0202	1.0195																1.0192	

*Y = a+b/x+c/x*1.5
a = -0.007232 b = 0.141780 c = 0.006815

Policy Year	MEDICAL PAID (POST-HB373)																																	
	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30					
1986																									1.0028	1.0123	1.0034	1.0044	1.0017					
1987																									1.0239	1.0332	1.0112	1.0083	1.0144	1.0091				
1988																									1.0037	1.0065	1.0050	1.0023	1.0014	1.0005	1.0017			
1989																									1.0044	1.0130	1.0167	1.0196	1.0031	1.0137	1.0023	1.0089		
1990																									1.0128	1.0072	1.0097	1.0044	1.0088	1.0062	1.0094	1.0243		
1991																									1.0083	1.0130	1.0030	1.0042	1.0056	1.0019	1.0041	1.0068		
1992																									1.0092	1.0059	1.0059	1.0015	1.0016	1.0037	1.0027	1.0003		
1993																									1.0104	1.0092	1.0022	1.0016	1.0071	1.0013				
1994																									1.0118	1.0082	1.0116	1.0072	1.0040	1.0022	1.0016	1.0098		
1995																									1.0150	1.0146	1.0086	1.0127	1.0104	1.0092	1.0022	1.0016		
1996																									1.0108	1.0114	1.0243	1.0054	1.0092	1.0059	1.0070	1.0023		
1997																									1.0276	1.0141	1.0064	1.0061	1.0039	1.0039	1.0070	1.0023		
1998																									1.0340	1.0243	1.0181	1.0219	1.0144	1.0097	1.0090	1.0098	1.0026	1.0129
1999																									1.0152	1.0172	1.0226	1.0099	1.0185	1.0065	1.0152	1.0161	1.0022	1.0041
2000																									1.0104	1.0106	1.0047	1.0089	1.0145	1.0209	1.0045	1.0049	1.0043	1.0008
2001																									1.0176	1.0122	1.0046	1.0167	1.0064	1.0034	1.0144	1.0015	1.0128	1.0010
2002																									1.0246	1.0233	1.0212	1.0135	1.0312	1.0148	1.0097	1.0125	1.0076	1.0032
2003																									1.0413	1.0398	1.0320	1.0216	1.0215	1.0321	1.0247	1.0184	1.0078	1.0055
2004																									1.0216	1.0252	1.0274	1.0314	1.0198	1.0175	1.0236	1.0157	1.0096	1.0079
2005																									1.0507	1.0386	1.0287	1.0196	1.0433	1.0179	1.0105	1.0172	1.0169	1.0062
2006																									1.0691	1.0464	1.0455	1.0442	1.0419	1.0216	1.0190	1.0067	1.0162	1.0197
2007																									1.0553	1.0467	1.0357	1.0336	1.0319	1.0396	1.0120	1.0236	1.0182	1.0089
2008																									1.0832	1.0908	1.0532	1.0508	1.0420	1.0235	1.0310	1.0246	1.0096	1.0113
2009																									1.1790	1.0989	1.0575	1.0852	1.0631	1.0426	1.0301	1.0201	1.0286	1.0068
2010																									1.3999	1.1659	1.1042	1.0721	1.0457	1.0408	1.0334	1.0184	1.0143	1.0215
2011																									1.3538	1.1127	1.0794	1.0176	1.0568	1.0247	1.0109	1.0062	1.0084	
2012																									1.3604	1.1744	1.0851	1.0657	1.0323	1.0295	1.0067	1.0083		
2013																									1.4553	1.1890	1.0735	1.0598	1.0268	1.0150	1.0123			
2014																									1.4064	1.1406	1.0519	1.0382	1.0260	1.0243				
2015																									1.3369	1.0890	1.0388	1.0225	1.0106					
2016																									1.3721	1.1023	1.0550	1.0410						
2017																									1.3359	1.1090	1.0430							
2018																									1.3167	1.0847								
2019																									1.4178									
AVERAGES																																		20th to ULT
3 Year	1.3568	1.0987	1.0456	1.0339	1.0211	1.0229	1.0100	1.0110	1.0143	1.0249	1.0133	1.0121	1.0141	1.0174	1.0114	1.0068	1.0093	1.0067	1.0034	1.0067	1.0071	1.0043	1.0046	1.0055	1.0050	1.0069	1.0020	1.0046	1.0133					
4 Year	1.3606	1.0963	1.0472	1.0404	1.0239	1.0234	1.0158	1.0158	1.0185	1.0217	1.0148	1.0117	1.0165	1.0193	1.0123	1.0075	1.0086	1.0086	1.0037	1.0089	1.0076	1.0042	1.0049	1.0098	1.0042	1.0066	1.0030	1.0040	1.0104					
5 Year	1.3559	1.1051	1.0524	1.0454	1.0305	1.0269	1.0212	1.0173	1.0227	1.0217	1.0154	1.0128	1.0196	1.0180	1.0128	1.0073	1.0075	1.0111	1.0043	1.0090	1.0069	1.0045	1.0058	1.0082	1.0042	1.0070	1.0052	1.0033	1.0102					
8 Year	1.3752	1.1252	1.0664	1.0468	1.0421	1.0355	1.0284	1.0239	1.0253	1.0269	1.0189	1.0196	1.0185	1.0181	1.0117	1.0093	1.0100	1.0137	1.0083	1.0082	1.0085	1.0061	1.0066	1.0088	1.0062	1.0065	1.0049	1.0051	1.0088					
All Available	1.3755	1.1347	1.0713	1.0521	1.0452	1.0381	1.0287	1.0258	1.0267	1.0274	1.0215	1.0201	1.0170	1.0171	1.0145	1.0109	1.0119	1.0136	1.0093	1.0080	1.0086	1.0066	1.0070	1.0101	1.0086	1.0071	1.0049	1.0051	1.0088					
Last Year Selected	1.3672	1.1353	1.0736	1.0541	1.0444	1.0381	1.0335	1.0298	1.0267	1.0242	1.0220	1.0200	1.0184	1.0169	1.0155	1.0144	1.0133	1.0123	1.0114														1.0461	
Last Year Cumulative	2.5724	1.8815	1.6573	1.5437	1.4644	1.4022	1.3507	1.3069	1.2691	1.2361	1.2069	1.1809	1.1578	1.1369	1.1180	1.1009	1.0853	1.0710	1.0580														1.0461	
Selected*	1.3752	1.1252	1.0664	1.0479	1.0396	1.0346	1.0308	1.0277	1.0250	1.0226	1.0205	1.0186	1.0169	1.0153	1.0139	1.0126	1.0114	1.0103	1.0093														1.0463	
Cumulative	2.4554	1.7855	1.5868	1.4880	1.4200	1.3659	1.3202	1.2808	1.2463	1.2159	1.1890	1.1651	1.1438	1.1248	1.1079	1.0927	1.0791	1.0669	1.0560														1.0463	

*Y = a+b/x+c/x^2+d/x^3+e/x^4+f/x^5
a = -0.015304 b = 0.602000 c = -2.981799 d = 8.463496 e = -9.442617 f = 3.749424
** Selected Paid Tail Factor = Incurred Tail Factor * Selected Paid Bridge Factor (1.0192 * 1.0266 = 1.0463)

Policy Year	MEDICAL INCURRED - PAID RATIO																													
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th
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2018																														
2019																														
2020																														
AVERAGES																														
3 Year	1.7334	1.3235	1.2202	1.1354	1.1354	1.1047	1.0938	1.0905	1.1114	1.1320	1.1172	1.1158	1.0903	1.0941	1.1125	1.1291	1.1023	1.0827	1.0678	1.0725	1.0465	1.0395	1.0524	1.0581	1.0541	1.0442	1.0183	1.0110	1.0301	1.0155
4 Year	1.7139	1.3251	1.2061	1.1488	1.1314	1.1103	1.1058	1.1148	1.1271	1.1442	1.1258	1.1223	1.1024	1.1162	1.1238	1.1109	1.1183	1.0839	1.0665	1.0673	1.0592	1.0584	1.0517	1.0580	1.0526	1.0355	1.0171	1.0294	1.0251	1.0137
5 Year	1.6809	1.3098	1.2050	1.1549	1.1302	1.1218	1.1270	1.1256	1.1429	1.1456	1.1320	1.1251	1.1172	1.1277	1.1166	1.1223	1.1207	1.0827	1.0639	1.0733	1.0722	1.0566	1.0509	1.0590	1.0451	1.0309	1.0296	1.0265	1.0218	1.0243
8 Year	1.5975	1.2874	1.2053	1.1661	1.1607	1.1545	1.1487	1.1601	1.1632	1.1599	1.1485	1.1357	1.1250	1.1317	1.1193	1.1109	1.1051	1.0918	1.0795	1.0823	1.0740	1.0517	1.0461	1.0480	1.0429	1.0340	1.0304	1.0298	1.0293	1.0245
All Available	1.5595	1.2845	1.2101	1.1726	1.1677	1.1660	1.1660	1.1669	1.1687	1.1695	1.1529	1.1456	1.1300	1.1241	1.1182	1.1214	1.1154	1.0946	1.0864	1.0752	1.0669	1.0567	1.0496	1.0439	1.0442	1.0424	1.0308	1.0298	1.0293	1.0245