

DELAWARE COMPENSATION RATING BUREAU, INC.

Excess Loss Premium Factors
Adjusted to Include Allocated Loss Adjustment Expenses

Average excess loss pure premium ratios by hazard group and loss limitation are derived in Exhibit 17b. Those same excess ratios are presented herein and adjusted to include allocated loss adjustment expenses and to express the resulting loss and ALAE as a portion of residual market rates.

Pages 1 and 2 show the calculation of excess ratios for hazard groups A-G.

DELAWARE
 Excess Loss Factor Study
 Excess Loss Premium Factors with Adjustment for ALAE

Loss Limitation	DE Hazard Group Excess Loss Factors								ELF adjusted for LBA's						ELF adjusted for LBA's & Risk Load							
	HG A	HG B	HG C	HG D	HG E	HG F	HG G	TCR	HG A	HG B	HG C	HG D	HG E	HG F	HG G	HG A	HG B	HG C	HG D	HG E	HG F	HG G
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	
	Pg2	Pg3	Pg4	Pg5	Pg6	Pg7	Pg8	(1)*TCR	(1)*TCR	(2)*TCR	(3)*TCR	(4)*TCR	(5)*TCR	(6)*TCR		Columns (8)-(14) + 0.005 (Max Adj = 1/2 ELF)						
\$10,000	0.862	0.898	0.898	0.918	0.933	0.948	0.951	0.556	0.579	0.579	0.592	0.602	0.612	0.614	0.561	0.584	0.584	0.597	0.607	0.617	0.619	
\$15,000	0.829	0.870	0.870	0.895	0.912	0.931	0.935	0.535	0.561	0.561	0.578	0.589	0.601	0.603	0.540	0.566	0.566	0.583	0.594	0.606	0.608	
\$20,000	0.799	0.845	0.846	0.875	0.894	0.917	0.921	0.516	0.545	0.546	0.565	0.577	0.592	0.594	0.521	0.550	0.551	0.570	0.582	0.597	0.599	
\$25,000	0.774	0.824	0.827	0.856	0.879	0.903	0.909	0.499	0.532	0.534	0.552	0.567	0.583	0.587	0.504	0.537	0.539	0.557	0.572	0.588	0.592	
\$30,000	0.751	0.805	0.808	0.840	0.862	0.891	0.898	0.485	0.519	0.521	0.542	0.556	0.575	0.579	0.490	0.524	0.526	0.547	0.561	0.580	0.584	
\$35,000	0.730	0.787	0.790	0.826	0.850	0.878	0.886	0.471	0.508	0.510	0.533	0.549	0.567	0.572	0.476	0.513	0.515	0.538	0.554	0.572	0.577	
\$40,000	0.711	0.771	0.774	0.811	0.837	0.868	0.876	0.459	0.498	0.499	0.523	0.540	0.560	0.565	0.464	0.503	0.504	0.528	0.545	0.565	0.570	
\$50,000	0.678	0.742	0.745	0.786	0.813	0.848	0.857	0.438	0.479	0.481	0.507	0.525	0.547	0.553	0.443	0.484	0.486	0.512	0.530	0.552	0.558	
\$75,000	0.613	0.683	0.687	0.732	0.764	0.803	0.816	0.396	0.441	0.443	0.472	0.493	0.518	0.527	0.401	0.446	0.448	0.477	0.498	0.523	0.532	
\$100,000	0.562	0.636	0.642	0.691	0.723	0.767	0.780	0.363	0.410	0.414	0.446	0.467	0.495	0.503	0.368	0.415	0.419	0.451	0.472	0.500	0.508	
\$125,000	0.519	0.597	0.604	0.654	0.689	0.735	0.750	0.335	0.385	0.390	0.422	0.445	0.474	0.484	0.340	0.390	0.395	0.427	0.450	0.479	0.489	
\$150,000	0.483	0.563	0.570	0.622	0.658	0.708	0.723	0.312	0.363	0.368	0.401	0.425	0.457	0.467	0.317	0.368	0.373	0.406	0.430	0.462	0.472	
\$175,000	0.453	0.533	0.541	0.595	0.632	0.682	0.698	0.292	0.344	0.349	0.384	0.408	0.440	0.450	0.297	0.349	0.354	0.389	0.413	0.445	0.455	
\$200,000	0.423	0.508	0.515	0.571	0.608	0.660	0.677	0.273	0.328	0.332	0.368	0.392	0.426	0.437	0.278	0.333	0.337	0.373	0.397	0.431	0.442	
\$225,000	0.395	0.481	0.492	0.547	0.587	0.638	0.656	0.255	0.310	0.317	0.353	0.379	0.412	0.423	0.260	0.315	0.322	0.358	0.384	0.417	0.428	
\$250,000	0.371	0.457	0.468	0.526	0.565	0.620	0.638	0.239	0.295	0.302	0.339	0.365	0.400	0.412	0.244	0.300	0.307	0.344	0.370	0.405	0.417	
\$275,000	0.347	0.436	0.448	0.507	0.547	0.600	0.621	0.224	0.281	0.289	0.327	0.353	0.387	0.401	0.229	0.286	0.294	0.332	0.358	0.392	0.406	
\$300,000	0.322	0.413	0.427	0.487	0.528	0.583	0.604	0.208	0.267	0.276	0.314	0.341	0.376	0.390	0.213	0.272	0.281	0.319	0.346	0.381	0.395	
\$325,000	0.300	0.390	0.407	0.469	0.510	0.567	0.587	0.194	0.252	0.263	0.303	0.329	0.366	0.379	0.199	0.257	0.268	0.308	0.334	0.371	0.384	
\$350,000	0.281	0.372	0.388	0.452	0.495	0.552	0.573	0.181	0.240	0.250	0.292	0.319	0.356	0.370	0.186	0.245	0.255	0.297	0.324	0.361	0.375	
\$375,000	0.262	0.353	0.369	0.433	0.478	0.537	0.558	0.169	0.228	0.238	0.279	0.308	0.347	0.360	0.174	0.233	0.243	0.284	0.313	0.352	0.365	
\$400,000	0.245	0.336	0.352	0.417	0.463	0.523	0.545	0.158	0.217	0.227	0.269	0.299	0.337	0.352	0.163	0.222	0.232	0.274	0.304	0.342	0.357	
\$425,000	0.229	0.320	0.335	0.401	0.447	0.509	0.532	0.148	0.206	0.216	0.259	0.288	0.328	0.343	0.153	0.211	0.221	0.264	0.293	0.333	0.348	
\$450,000	0.213	0.303	0.320	0.385	0.432	0.495	0.520	0.137	0.196	0.206	0.248	0.279	0.319	0.336	0.142	0.201	0.211	0.253	0.284	0.324	0.341	
\$475,000	0.199	0.288	0.304	0.371	0.417	0.481	0.507	0.128	0.186	0.196	0.239	0.269	0.310	0.327	0.133	0.191	0.201	0.244	0.274	0.315	0.332	
\$500,000	0.186	0.275	0.290	0.357	0.404	0.469	0.495	0.120	0.177	0.187	0.230	0.261	0.303	0.319	0.125	0.182	0.192	0.235	0.266	0.308	0.324	
\$600,000	0.143	0.226	0.242	0.306	0.354	0.420	0.448	0.092	0.146	0.156	0.197	0.228	0.271	0.289	0.097	0.151	0.161	0.202	0.233	0.276	0.294	
\$700,000	0.110	0.191	0.201	0.263	0.311	0.377	0.407	0.071	0.123	0.130	0.170	0.201	0.243	0.263	0.076	0.128	0.135	0.175	0.206	0.248	0.268	
\$800,000	0.081	0.161	0.170	0.230	0.274	0.339	0.369	0.052	0.104	0.110	0.148	0.177	0.219	0.238	0.057	0.109	0.115	0.153	0.182	0.224	0.243	
\$900,000	0.062	0.138	0.145	0.201	0.244	0.307	0.336	0.040	0.089	0.094	0.130	0.157	0.198	0.217	0.045	0.094	0.099	0.135	0.162	0.203	0.222	
\$1,000,000	0.0502	0.1202	0.1245	0.1766	0.2166	0.2782	0.3069	0.0324	0.0776	0.0803	0.1140	0.1398	0.1795	0.1980	0.0374	0.0826	0.0853	0.1190	0.1448	0.1845	0.2030	
\$2,000,000	0.0290	0.0704	0.0738	0.1074	0.1332	0.1800	0.2053	0.0187	0.0454	0.0476	0.0693	0.0860	0.1162	0.1325	0.0237	0.0504	0.0526	0.0743	0.0910	0.1212	0.1375	
\$3,000,000	0.0210	0.0512	0.0539	0.0796	0.0996	0.1383	0.1614	0.0136	0.0330	0.0348	0.0514	0.0643	0.0892	0.1042	0.0186	0.0380	0.0398	0.0564	0.0693	0.0942	0.1092	
\$4,000,000	0.0166	0.0407	0.0432	0.0638	0.0804	0.1135	0.1347	0.0107	0.0263	0.0279	0.0412	0.0519	0.0732	0.0869	0.0157	0.0313	0.0329	0.0462	0.0569	0.0782	0.0919	
\$5,000,000	0.0139	0.0341	0.0361	0.0540	0.0680	0.0971	0.1166	0.0090	0.0220	0.0233	0.0348	0.0439	0.0627	0.0752	0.0135	0.0270	0.0283	0.0398	0.0489	0.0677	0.0802	
\$6,000,000	0.0119	0.0292	0.0312	0.0466	0.0591	0.0851	0.1028	0.0077	0.0188	0.0201	0.0301	0.0381	0.0549	0.0663	0.0116	0.0238	0.0251	0.0351	0.0431	0.0599	0.0713	
\$7,000,000	0.0104	0.0257	0.0276	0.0413	0.0524	0.0759	0.0924	0.0067	0.0166	0.0178	0.0267	0.0338	0.0490	0.0596	0.0101	0.0216	0.0228	0.0317	0.0388	0.0540	0.0646	
\$8,000,000	0.0092	0.0227	0.0247	0.0369	0.0472	0.0687	0.0838	0.0059	0.0146	0.0159	0.0238	0.0305	0.0443	0.0541	0.0089	0.0196	0.0209	0.0288	0.0355	0.0493	0.0591	
\$9,000,000	0.0081	0.0203	0.0222	0.0336	0.0429	0.0626	0.0767	0.0052	0.0131	0.0143	0.0217	0.0277	0.0404	0.0495	0.0078	0.0181	0.0193	0.0267	0.0327	0.0454	0.0545	
\$10,000,000	0.0071	0.0184	0.0199	0.0306	0.0392	0.0576	0.0709	0.0046	0.0119	0.0128	0.0197	0.0253	0.0372	0.0458	0.0069	0.0169	0.0178	0.0247	0.0303	0.0422	0.0508	

* Excess ratios for loss limits above \$1,000,000 are calculated by applying the relativities from Exhibit III to the excess ratios at \$1,000,000.

DELAWARE
EXCESS LOSS FACTOR STUDY
PROPOSED EFFECTIVE DATE: 12/1/16
Excess Loss Premium Factors with Adjustment for ALAE

Per Accident Limit	2016 Excess Loss Factors*							2015 Excess Loss Factors							Percentage Change						
	A	B	C	D	E	F	G	A	B	C	D	E	F	G	A	B	C	D	E	F	G
\$10,000	0.561	0.584	0.584	0.597	0.607	0.617	0.619	0.565	0.586	0.587	0.600	0.613	0.625	0.632	-0.7%	-0.3%	-0.5%	-0.5%	-1.0%	-1.3%	-2.1%
\$15,000	0.540	0.566	0.566	0.583	0.594	0.606	0.608	0.542	0.568	0.569	0.583	0.601	0.614	0.624	-0.4%	-0.4%	-0.5%	0.0%	-1.2%	-1.3%	-2.6%
\$20,000	0.521	0.550	0.551	0.570	0.582	0.597	0.599	0.523	0.551	0.554	0.571	0.589	0.606	0.616	-0.4%	-0.2%	-0.5%	-0.2%	-1.2%	-1.5%	-2.8%
\$25,000	0.504	0.537	0.539	0.557	0.572	0.588	0.592	0.506	0.538	0.540	0.559	0.580	0.598	0.609	-0.4%	-0.2%	-0.2%	-0.4%	-1.4%	-1.7%	-2.8%
\$30,000	0.490	0.524	0.526	0.547	0.561	0.580	0.584	0.491	0.525	0.528	0.548	0.570	0.590	0.602	-0.2%	-0.2%	-0.4%	-0.2%	-1.6%	-1.7%	-3.0%
\$35,000	0.476	0.513	0.515	0.538	0.553	0.572	0.577	0.477	0.512	0.517	0.538	0.561	0.582	0.596	-0.2%	0.2%	-0.4%	0.0%	-1.4%	-1.7%	-3.2%
\$40,000	0.464	0.503	0.504	0.528	0.545	0.565	0.570	0.465	0.501	0.506	0.529	0.553	0.575	0.590	-0.2%	0.4%	-0.4%	-0.2%	-1.4%	-1.7%	-3.4%
\$50,000	0.443	0.484	0.486	0.512	0.530	0.552	0.558	0.445	0.483	0.488	0.511	0.537	0.562	0.579	-0.4%	0.2%	-0.4%	0.2%	-1.3%	-1.8%	-3.6%
\$75,000	0.401	0.446	0.448	0.477	0.498	0.523	0.532	0.403	0.445	0.450	0.477	0.506	0.534	0.554	-0.5%	0.2%	-0.4%	0.0%	-1.6%	-2.1%	-4.0%
\$100,000	0.368	0.415	0.419	0.451	0.472	0.500	0.508	0.370	0.415	0.422	0.449	0.480	0.510	0.533	-0.5%	0.0%	-0.7%	0.4%	-1.7%	-2.0%	-4.7%
\$125,000	0.340	0.390	0.395	0.427	0.450	0.479	0.489	0.341	0.388	0.396	0.426	0.460	0.489	0.514	-0.3%	0.5%	-0.3%	0.2%	-2.2%	-2.0%	-4.9%
\$150,000	0.317	0.368	0.373	0.406	0.430	0.462	0.472	0.319	0.366	0.375	0.405	0.439	0.472	0.497	-0.6%	0.5%	-0.5%	0.2%	-2.1%	-2.1%	-5.0%
\$175,000	0.297	0.349	0.354	0.389	0.413	0.445	0.455	0.297	0.346	0.356	0.387	0.422	0.455	0.481	0.0%	0.9%	-0.6%	0.5%	-2.1%	-2.2%	-5.4%
\$200,000	0.278	0.332	0.337	0.373	0.397	0.431	0.442	0.277	0.328	0.339	0.371	0.406	0.441	0.468	0.4%	1.2%	-0.6%	0.5%	-2.2%	-2.3%	-5.6%
\$225,000	0.260	0.315	0.322	0.358	0.384	0.417	0.428	0.258	0.311	0.322	0.355	0.392	0.428	0.455	0.8%	1.3%	0.0%	0.8%	-2.0%	-2.6%	-5.9%
\$250,000	0.244	0.300	0.307	0.344	0.370	0.405	0.417	0.240	0.295	0.307	0.341	0.378	0.415	0.444	1.7%	1.7%	0.0%	0.9%	-2.1%	-2.4%	-6.1%
\$275,000	0.229	0.286	0.294	0.332	0.358	0.392	0.406	0.224	0.279	0.291	0.327	0.366	0.402	0.432	2.2%	2.5%	1.0%	1.5%	-2.2%	-2.5%	-6.0%
\$300,000	0.213	0.272	0.281	0.319	0.346	0.381	0.395	0.208	0.264	0.278	0.313	0.353	0.391	0.422	2.4%	3.0%	1.1%	1.9%	-2.0%	-2.6%	-6.4%
\$325,000	0.199	0.259	0.268	0.308	0.334	0.371	0.384	0.194	0.250	0.264	0.301	0.341	0.381	0.411	2.6%	3.6%	1.5%	2.3%	-2.1%	-2.6%	-6.6%
\$350,000	0.186	0.245	0.255	0.296	0.324	0.361	0.375	0.180	0.236	0.251	0.289	0.330	0.370	0.402	3.3%	3.8%	1.6%	2.4%	-1.8%	-2.4%	-6.7%
\$375,000	0.174	0.233	0.243	0.285	0.313	0.352	0.365	0.167	0.223	0.238	0.277	0.319	0.360	0.393	4.2%	4.5%	2.1%	2.9%	-1.9%	-2.2%	-7.1%
\$400,000	0.163	0.222	0.232	0.274	0.303	0.342	0.357	0.156	0.211	0.227	0.265	0.308	0.350	0.384	4.5%	5.2%	2.2%	3.4%	-1.6%	-2.3%	-7.0%
\$425,000	0.153	0.211	0.221	0.264	0.293	0.333	0.348	0.144	0.200	0.215	0.254	0.298	0.341	0.375	6.3%	5.5%	2.8%	3.9%	-1.7%	-2.3%	-7.2%
\$450,000	0.142	0.201	0.211	0.253	0.284	0.324	0.340	0.133	0.189	0.204	0.244	0.287	0.331	0.366	6.8%	6.3%	3.4%	3.7%	-1.0%	-2.1%	-7.1%
\$475,000	0.133	0.191	0.201	0.244	0.275	0.315	0.332	0.124	0.178	0.194	0.233	0.277	0.322	0.358	7.3%	7.3%	3.6%	4.7%	-0.7%	-2.2%	-7.3%
\$500,000	0.125	0.182	0.192	0.235	0.266	0.308	0.324	0.116	0.170	0.185	0.224	0.268	0.313	0.349	7.8%	7.1%	3.8%	4.9%	-0.7%	-1.6%	-7.2%
\$600,000	0.097	0.151	0.161	0.202	0.233	0.278	0.294	0.088	0.138	0.151	0.190	0.235	0.280	0.319	10.2%	9.4%	6.6%	6.3%	-0.9%	-0.7%	-7.8%
\$700,000	0.076	0.128	0.135	0.175	0.206	0.248	0.268	0.067	0.113	0.125	0.162	0.205	0.250	0.290	13.4%	13.3%	8.0%	8.0%	0.5%	-0.8%	-7.6%
\$800,000	0.057	0.109	0.115	0.153	0.182	0.224	0.243	0.052	0.096	0.104	0.139	0.181	0.225	0.264	9.6%	13.5%	10.6%	10.1%	0.6%	-0.4%	-8.0%
\$900,000	0.045	0.094	0.099	0.135	0.162	0.203	0.222	0.042	0.083	0.088	0.120	0.160	0.203	0.242	7.1%	13.3%	12.5%	12.5%	1.3%	0.0%	-8.3%
\$1,000,000	0.0374	0.0826	0.0853	0.1190	0.1448	0.1845	0.2030	0.0336	0.0718	0.0756	0.1043	0.1427	0.1838	0.2217	11.3%	15.0%	12.8%	14.1%	1.5%	0.4%	-8.4%
\$2,000,000	0.0237	0.0504	0.0526	0.0743	0.0910	0.1212	0.1375	0.0212	0.0432	0.0461	0.0645	0.0887	0.1191	0.1480	11.8%	16.7%	14.1%	15.2%	2.6%	1.8%	-7.1%
\$3,000,000	0.0186	0.0380	0.0398	0.0564	0.0693	0.0942	0.1092	0.0164	0.0320	0.0343	0.0480	0.0666	0.0915	0.1164	13.4%	18.8%	16.0%	17.5%	4.1%	3.0%	-6.2%
\$4,000,000	0.0157	0.0313	0.0329	0.0462	0.0569	0.0782	0.0919	0.0131	0.0258	0.0278	0.0388	0.0536	0.0747	0.0967	19.8%	21.3%	18.3%	19.1%	6.2%	4.7%	-5.0%
\$5,000,000	0.0135	0.0270	0.0283	0.0398	0.0489	0.0677	0.0802	0.0107	0.0220	0.0237	0.0328	0.0452	0.0635	0.0828	26.2%	22.7%	19.4%	21.3%	8.2%	6.6%	-3.1%
\$6,000,000	0.0116	0.0238	0.0251	0.0351	0.0431	0.0599	0.0713	0.0089	0.0192	0.0208	0.0284	0.0394	0.0551	0.0724	30.3%	24.0%	20.7%	23.6%	9.4%	8.7%	-1.5%
\$7,000,000	0.0101	0.0216	0.0228	0.0317	0.0388	0.0540	0.0646	0.0077	0.0172	0.0186	0.0253	0.0349	0.0490	0.0644	31.2%	25.6%	22.6%	25.3%	11.2%	10.2%	0.3%
\$8,000,000	0.0089	0.0196	0.0209	0.0288	0.0355	0.0493	0.0591	0.0066	0.0156	0.0169	0.0230	0.0313	0.0440	0.0581	34.8%	25.6%	23.7%	25.2%	13.4%	12.0%	1.7%
\$9,000,000	0.0078	0.0181	0.0193	0.0267	0.0327	0.0454	0.0545	0.0057	0.0140	0.0156	0.0209	0.0285	0.0399	0.0527	36.8%	29.3%	23.7%	27.8%	14.7%	13.8%	3.4%
\$10,000,000	0.0069	0.0169	0.0178	0.0247	0.0303	0.0422	0.0508	0.0050	0.0125	0.0143	0.0193	0.0262	0.0365	0.0486	38.0%	35.2%	24.5%	28.0%	15.6%	15.6%	4.5%

* Adjusted