

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 through G.

DELAWARE

Excess Loss Factor Study

Excess Loss Premium Factors with Adjustment for ALAE

Loss Limitation	DE Hazard Group Excess Loss Factors							TCR 0.6719	ELF adjusted for LBA's						ELF adjusted for LBA's & Risk Load							
	HG A (1) Pg2	HG B (2) Pg3	HG C (3) Pg4	HG D (4) Pg5	HG E (5) Pg6	HG F (6) Pg7	HG G (7) Pg8		HG A (8) (1)*TCR	HG B (9) (1)*TCR	HG C (10) (2)*TCR	HG D (11) (3)*TCR	HG E (12) (4)*TCR	HG F (13) (5)*TCR	HG G (14) (6)*TCR	HG A (15)	HG B (16) Columns (8)-(14) + 0.005 (Max Adj = 1/2 ELF)	HG C (17)	HG D (18)	HG E (19)	HG F (20)	HG G (21)
\$10,000	0.860	0.894	0.890	0.909	0.919	0.930	0.943	0.578	0.601	0.598	0.611	0.617	0.625	0.634	0.583	0.606	0.603	0.616	0.622	0.630	0.639	
\$15,000	0.825	0.866	0.861	0.883	0.892	0.907	0.924	0.554	0.582	0.579	0.593	0.599	0.609	0.621	0.559	0.587	0.584	0.598	0.604	0.614	0.626	
\$20,000	0.797	0.840	0.834	0.859	0.869	0.887	0.906	0.536	0.564	0.560	0.577	0.584	0.596	0.609	0.541	0.569	0.565	0.582	0.589	0.601	0.614	
\$25,000	0.770	0.818	0.812	0.839	0.848	0.868	0.890	0.517	0.550	0.546	0.564	0.570	0.583	0.598	0.522	0.555	0.551	0.569	0.575	0.588	0.603	
\$30,000	0.748	0.797	0.791	0.819	0.830	0.852	0.875	0.503	0.536	0.531	0.550	0.558	0.572	0.588	0.508	0.541	0.536	0.555	0.563	0.577	0.593	
\$35,000	0.726	0.779	0.773	0.802	0.813	0.836	0.860	0.488	0.523	0.519	0.539	0.546	0.562	0.578	0.493	0.528	0.524	0.544	0.551	0.567	0.583	
\$40,000	0.707	0.760	0.755	0.787	0.796	0.821	0.847	0.475	0.511	0.507	0.529	0.535	0.552	0.569	0.480	0.516	0.512	0.534	0.540	0.557	0.574	
\$50,000	0.672	0.729	0.724	0.756	0.768	0.795	0.823	0.452	0.490	0.486	0.508	0.516	0.534	0.553	0.457	0.495	0.491	0.513	0.521	0.539	0.558	
\$75,000	0.605	0.667	0.659	0.697	0.707	0.736	0.769	0.406	0.448	0.443	0.468	0.475	0.495	0.517	0.411	0.453	0.448	0.473	0.480	0.500	0.522	
\$100,000	0.551	0.617	0.610	0.649	0.660	0.691	0.725	0.370	0.415	0.410	0.436	0.443	0.464	0.487	0.375	0.420	0.415	0.441	0.448	0.469	0.492	
\$125,000	0.508	0.576	0.568	0.608	0.619	0.653	0.690	0.341	0.387	0.382	0.409	0.416	0.439	0.464	0.346	0.392	0.387	0.414	0.421	0.444	0.469	
\$150,000	0.472	0.542	0.534	0.574	0.584	0.620	0.658	0.317	0.364	0.359	0.386	0.392	0.417	0.442	0.322	0.369	0.364	0.391	0.397	0.422	0.447	
\$175,000	0.442	0.510	0.503	0.545	0.555	0.589	0.627	0.297	0.343	0.338	0.366	0.373	0.396	0.421	0.302	0.348	0.343	0.371	0.378	0.401	0.426	
\$200,000	0.414	0.482	0.476	0.518	0.527	0.563	0.602	0.278	0.324	0.320	0.348	0.354	0.378	0.404	0.283	0.329	0.325	0.353	0.359	0.383	0.409	
\$225,000	0.387	0.459	0.451	0.492	0.503	0.539	0.578	0.260	0.308	0.303	0.331	0.338	0.362	0.388	0.265	0.313	0.308	0.336	0.343	0.367	0.393	
\$250,000	0.363	0.434	0.428	0.470	0.480	0.517	0.558	0.244	0.292	0.288	0.316	0.323	0.347	0.375	0.249	0.297	0.293	0.321	0.328	0.352	0.380	
\$275,000	0.341	0.413	0.405	0.450	0.460	0.497	0.538	0.229	0.277	0.272	0.302	0.309	0.334	0.361	0.234	0.282	0.277	0.307	0.314	0.339	0.366	
\$300,000	0.319	0.392	0.386	0.430	0.441	0.477	0.519	0.214	0.263	0.259	0.289	0.296	0.320	0.349	0.219	0.268	0.264	0.294	0.301	0.325	0.354	
\$325,000	0.298	0.371	0.365	0.410	0.421	0.460	0.502	0.200	0.249	0.245	0.275	0.283	0.309	0.337	0.205	0.254	0.250	0.280	0.288	0.314	0.342	
\$350,000	0.279	0.352	0.347	0.392	0.403	0.444	0.485	0.187	0.237	0.233	0.263	0.271	0.298	0.326	0.192	0.242	0.238	0.268	0.276	0.303	0.331	
\$375,000	0.261	0.334	0.328	0.375	0.386	0.426	0.470	0.175	0.224	0.220	0.252	0.259	0.286	0.316	0.180	0.229	0.225	0.257	0.264	0.291	0.321	
\$400,000	0.242	0.316	0.311	0.358	0.369	0.410	0.455	0.163	0.212	0.209	0.241	0.248	0.275	0.306	0.168	0.217	0.214	0.246	0.253	0.280	0.311	
\$425,000	0.226	0.299	0.294	0.340	0.354	0.394	0.440	0.152	0.201	0.198	0.228	0.238	0.265	0.296	0.157	0.206	0.203	0.233	0.243	0.270	0.301	
\$450,000	0.210	0.284	0.279	0.326	0.338	0.379	0.425	0.141	0.191	0.187	0.219	0.227	0.255	0.286	0.146	0.196	0.192	0.224	0.232	0.260	0.291	
\$475,000	0.197	0.269	0.264	0.310	0.322	0.364	0.411	0.132	0.181	0.177	0.208	0.216	0.245	0.276	0.137	0.186	0.182	0.213	0.221	0.250	0.281	
\$500,000	0.183	0.256	0.249	0.297	0.308	0.351	0.397	0.123	0.172	0.167	0.200	0.207	0.236	0.267	0.128	0.177	0.172	0.205	0.212	0.241	0.272	
\$600,000	0.140	0.208	0.201	0.246	0.257	0.299	0.346	0.094	0.140	0.135	0.165	0.173	0.201	0.232	0.099	0.145	0.140	0.170	0.178	0.206	0.237	
\$700,000	0.108	0.171	0.163	0.205	0.215	0.255	0.303	0.073	0.115	0.110	0.138	0.144	0.171	0.204	0.078	0.120	0.115	0.143	0.149	0.176	0.209	
\$800,000	0.081	0.143	0.133	0.173	0.180	0.220	0.266	0.054	0.096	0.089	0.116	0.121	0.148	0.179	0.059	0.101	0.094	0.121	0.126	0.153	0.184	
\$900,000	0.064	0.120	0.109	0.148	0.153	0.190	0.235	0.043	0.081	0.073	0.099	0.103	0.128	0.158	0.048	0.086	0.078	0.104	0.108	0.133	0.163	
* \$1,000,000	0.0503	0.1033	0.0915	0.1264	0.1308	0.1663	0.2084	0.0338	0.0694	0.0615	0.0849	0.0879	0.1117	0.1400	0.0388	0.0744	0.0665	0.0899	0.0929	0.1167	0.1450	
\$2,000,000	0.0285	0.0596	0.0536	0.0762	0.0797	0.1071	0.1394	0.0191	0.0400	0.0360	0.0512	0.0536	0.0720	0.0937	0.0241	0.0450	0.0410	0.0562	0.0586	0.0770	0.0987	
\$3,000,000	0.0206	0.0435	0.0392	0.0566	0.0595	0.0825	0.1100	0.0138	0.0292	0.0263	0.0380	0.0400	0.0554	0.0739	0.0188	0.0342	0.0313	0.0430	0.0450	0.0604	0.0789	
\$4,000,000	0.0165	0.0348	0.0316	0.0458	0.0484	0.0682	0.0923	0.0111	0.0234	0.0212	0.0308	0.0325	0.0458	0.0620	0.0161	0.0284	0.0262	0.0358	0.0375	0.0508	0.0670	
\$5,000,000	0.0138	0.0294	0.0266	0.0388	0.0411	0.0585	0.0804	0.0093	0.0198	0.0179	0.0261	0.0276	0.0393	0.0540	0.0140	0.0248	0.0229	0.0311	0.0326	0.0443	0.0590	
\$6,000,000	0.0120	0.0255	0.0231	0.0339	0.0358	0.0516	0.0715	0.0081	0.0171	0.0155	0.0228	0.0241	0.0347	0.0480	0.0122	0.0221	0.0205	0.0278	0.0291	0.0397	0.0530	
\$7,000,000	0.0106	0.0223	0.0206	0.0301	0.0320	0.0462	0.0646	0.0071	0.0150	0.0138	0.0202	0.0215	0.0310	0.0434	0.0107	0.0200	0.0188	0.0252	0.0265	0.0360	0.0484	
\$8,000,000	0.0093	0.0201	0.0183	0.0270	0.0290	0.0421	0.0590	0.0062	0.0135	0.0123	0.0181	0.0195	0.0283	0.0396	0.0093	0.0185	0.0173	0.0231	0.0245	0.0333	0.0446	
\$9,000,000	0.0084	0.0180	0.0167	0.0245	0.0264	0.0386	0.0542	0.0056	0.0121	0.0112	0.0165	0.0177	0.0259	0.0364	0.0084	0.0171	0.0162	0.0215	0.0227	0.0309	0.0414	
\$10,000,000	0.0074	0.0163	0.0152	0.0225	0.0243	0.0358	0.0502	0.0050	0.0110	0.0102	0.0151	0.0163	0.0241	0.0337	0.0075	0.0160	0.0152	0.0201	0.0213	0.0291	0.0387	

* 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: 12/1/18
Excess Loss Premium Factors with Adjustment for ALAE

Per Accident Limit	2018 Excess Loss Factors*							2017 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	0.583	0.606	0.603	0.616	0.622	0.630	0.639	0.576	0.599	0.596	0.611	0.617	0.627	0.636	1.2%	1.2%	1.2%	0.8%	0.8%	0.5%	0.5%
\$15,000	0.559	0.587	0.584	0.598	0.604	0.614	0.626	0.552	0.581	0.576	0.594	0.601	0.613	0.625	1.3%	1.0%	1.4%	0.7%	0.5%	0.2%	0.2%
\$20,000	0.541	0.569	0.565	0.582	0.589	0.601	0.614	0.531	0.564	0.558	0.579	0.587	0.600	0.615	1.9%	0.9%	1.3%	0.5%	0.3%	0.2%	-0.2%
\$25,000	0.522	0.555	0.551	0.569	0.575	0.588	0.603	0.513	0.548	0.544	0.566	0.574	0.589	0.605	1.8%	1.3%	1.3%	0.5%	0.2%	-0.2%	-0.3%
\$30,000	0.508	0.541	0.536	0.555	0.563	0.577	0.593	0.498	0.535	0.530	0.554	0.562	0.579	0.596	2.0%	1.1%	1.1%	0.2%	0.2%	-0.3%	-0.5%
\$35,000	0.493	0.528	0.524	0.545	0.551	0.567	0.583	0.482	0.523	0.516	0.543	0.551	0.569	0.588	2.3%	1.0%	1.6%	0.4%	0.0%	-0.4%	-0.9%
\$40,000	0.480	0.516	0.512	0.534	0.540	0.557	0.574	0.470	0.510	0.505	0.532	0.540	0.560	0.579	2.1%	1.2%	1.4%	0.4%	0.0%	-0.5%	-0.9%
\$50,000	0.457	0.495	0.491	0.513	0.521	0.539	0.558	0.446	0.489	0.484	0.513	0.522	0.544	0.564	2.5%	1.2%	1.4%	0.0%	-0.2%	-0.9%	-1.1%
\$75,000	0.411	0.453	0.448	0.473	0.480	0.500	0.522	0.398	0.446	0.440	0.473	0.482	0.507	0.532	3.3%	1.6%	1.8%	0.0%	-0.4%	-1.4%	-1.9%
\$100,000	0.375	0.420	0.415	0.441	0.448	0.469	0.492	0.364	0.414	0.406	0.442	0.450	0.478	0.504	3.0%	1.4%	2.2%	-0.2%	-0.4%	-1.9%	-2.4%
\$125,000	0.346	0.392	0.387	0.414	0.421	0.444	0.469	0.336	0.387	0.380	0.416	0.424	0.452	0.480	3.0%	1.3%	1.8%	-0.5%	-0.7%	-1.8%	-2.3%
\$150,000	0.322	0.369	0.364	0.391	0.397	0.422	0.447	0.312	0.363	0.357	0.393	0.402	0.431	0.460	3.2%	1.7%	2.0%	-0.5%	-1.2%	-2.1%	-2.8%
\$175,000	0.302	0.348	0.343	0.371	0.378	0.401	0.426	0.292	0.345	0.337	0.374	0.382	0.412	0.442	3.4%	0.9%	1.8%	-0.8%	-1.0%	-2.7%	-3.6%
\$200,000	0.283	0.329	0.325	0.353	0.359	0.383	0.409	0.274	0.327	0.319	0.356	0.365	0.394	0.425	3.3%	0.6%	1.9%	-0.8%	-1.6%	-2.8%	-3.8%
\$225,000	0.265	0.313	0.308	0.336	0.343	0.367	0.393	0.257	0.312	0.304	0.342	0.350	0.380	0.411	3.1%	0.3%	1.3%	-1.8%	-2.0%	-3.4%	-4.4%
\$250,000	0.249	0.297	0.293	0.321	0.328	0.352	0.380	0.241	0.296	0.289	0.328	0.336	0.367	0.398	3.3%	0.3%	1.4%	-2.1%	-2.4%	-4.1%	-4.5%
\$275,000	0.234	0.282	0.277	0.307	0.314	0.339	0.366	0.226	0.281	0.276	0.315	0.323	0.354	0.386	3.5%	0.4%	0.4%	-2.5%	-2.8%	-4.2%	-5.2%
\$300,000	0.219	0.268	0.264	0.294	0.301	0.325	0.354	0.212	0.267	0.263	0.303	0.311	0.342	0.374	3.3%	0.4%	0.4%	-3.0%	-3.2%	-5.0%	-5.3%
\$325,000	0.205	0.255	0.250	0.280	0.288	0.314	0.342	0.197	0.254	0.251	0.290	0.299	0.331	0.363	4.1%	0.4%	-0.4%	-3.4%	-3.7%	-5.1%	-5.8%
\$350,000	0.192	0.242	0.238	0.268	0.276	0.302	0.331	0.185	0.241	0.238	0.279	0.288	0.321	0.353	3.8%	0.4%	0.0%	-3.9%	-4.2%	-5.9%	-6.2%
\$375,000	0.180	0.229	0.225	0.256	0.264	0.291	0.321	0.173	0.230	0.226	0.267	0.278	0.311	0.344	4.0%	-0.4%	-0.4%	-4.1%	-5.0%	-6.4%	-6.7%
\$400,000	0.168	0.217	0.214	0.245	0.253	0.281	0.311	0.161	0.218	0.215	0.257	0.267	0.302	0.335	4.3%	-0.5%	-0.5%	-4.7%	-5.2%	-7.0%	-7.2%
\$425,000	0.157	0.206	0.203	0.233	0.243	0.270	0.301	0.151	0.208	0.204	0.246	0.257	0.292	0.326	4.0%	-1.0%	-0.5%	-5.3%	-5.4%	-7.5%	-7.7%
\$450,000	0.146	0.196	0.192	0.223	0.232	0.260	0.291	0.141	0.198	0.193	0.236	0.247	0.283	0.317	3.5%	-1.0%	-0.5%	-5.5%	-6.1%	-8.1%	-8.2%
\$475,000	0.137	0.186	0.182	0.214	0.222	0.250	0.281	0.133	0.189	0.184	0.226	0.238	0.273	0.309	3.0%	-1.6%	-1.1%	-5.3%	-6.7%	-8.4%	-9.1%
\$500,000	0.128	0.177	0.172	0.205	0.212	0.241	0.272	0.124	0.179	0.175	0.217	0.229	0.265	0.301	3.2%	-1.1%	-1.7%	-5.5%	-7.4%	-9.1%	-9.6%
\$600,000	0.099	0.145	0.140	0.170	0.178	0.206	0.237	0.096	0.149	0.143	0.185	0.195	0.233	0.269	3.1%	-2.7%	-2.1%	-8.1%	-8.7%	-11.6%	-11.9%
\$700,000	0.078	0.120	0.115	0.143	0.149	0.176	0.209	0.075	0.125	0.118	0.158	0.168	0.204	0.241	4.0%	-4.0%	-2.5%	-9.5%	-11.3%	-13.7%	-13.3%
\$800,000	0.059	0.101	0.094	0.121	0.126	0.153	0.184	0.060	0.107	0.098	0.135	0.144	0.179	0.217	-1.7%	-5.6%	-4.1%	-10.4%	-12.5%	-14.5%	-15.2%
\$900,000	0.048	0.086	0.078	0.104	0.108	0.133	0.163	0.049	0.092	0.082	0.118	0.125	0.159	0.195	-2.0%	-6.5%	-4.9%	-11.9%	-13.6%	-16.4%	-16.4%
\$1,000,000	0.0388	0.0744	0.0665	0.0899	0.0929	0.1167	0.1450	0.0393	0.0800	0.0696	0.1023	0.1086	0.1413	0.1763	-1.3%	-7.0%	-4.5%	-12.1%	-14.5%	-17.4%	-17.8%
\$2,000,000	0.0241	0.0450	0.0410	0.0562	0.0586	0.0770	0.0987	0.0244	0.0483	0.0428	0.0637	0.0681	0.0927	0.1196	-1.2%	-6.8%	-4.2%	-11.8%	-14.0%	-16.9%	-17.5%
\$3,000,000	0.0188	0.0342	0.0313	0.0430	0.0450	0.0604	0.0789	0.0190	0.0366	0.0326	0.0486	0.0521	0.0726	0.0955	-1.1%	-6.6%	-4.0%	-11.5%	-13.6%	-16.8%	-17.4%
\$4,000,000	0.0161	0.0284	0.0262	0.0358	0.0375	0.0508	0.0670	0.0163	0.0303	0.0273	0.0402	0.0433	0.0609	0.0809	-1.2%	-6.3%	-4.0%	-10.9%	-13.4%	-16.6%	-17.2%
\$5,000,000	0.0140	0.0248	0.0229	0.0311	0.0326	0.0443	0.0590	0.0143	0.0264	0.0238	0.0349	0.0376	0.0530	0.0711	-2.1%	-6.1%	-3.8%	-10.9%	-13.3%	-16.4%	-17.0%
\$6,000,000	0.0122	0.0221	0.0205	0.0278	0.0291	0.0397	0.0530	0.0123	0.0235	0.0213	0.0311	0.0334	0.0473	0.0638	-0.8%	-6.0%	-3.8%	-10.6%	-12.9%	-16.1%	-16.9%
\$7,000,000	0.0107	0.0200	0.0188	0.0252	0.0265	0.0360	0.0484	0.0109	0.0212	0.0195	0.0282	0.0304	0.0429	0.0581	-1.8%	-5.7%	-3.6%	-10.6%	-12.8%	-16.1%	-16.7%
\$8,000,000	0.0093	0.0185	0.0173	0.0231	0.0245	0.0333	0.0446	0.0095	0.0196	0.0179	0.0258	0.0280	0.0395	0.0535	-2.1%	-5.6%	-3.4%	-10.5%	-12.5%	-15.7%	-16.6%
\$9,000,000	0.0084	0.0171	0.0162	0.0215	0.0227	0.0309	0.0414	0.0086	0.0180	0.0168	0.0239	0.0260	0.0366	0.0495	-2.3%	-5.0%	-3.6%	-10.0%	-12.7%	-15.6%	-16.4%
\$10,000,000	0.0075	0.0160	0.0152	0.0201	0.0213	0.0291	0.0387	0.0077	0.0168	0.0157	0.0223	0.0243	0.0343	0.0463	-2.6%	-4.8%	-3.2%	-9.9%	-12.3%	-15.2%	-16.4%

* Adjusted