

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 (1)*TCR	ELF adjusted for LBA's							ELF adjusted for LBA's & Risk Load							
									0.6435														
	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)	HG B (9)	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)	HG C (17)	HG D (18)	HG E (19)	HG F (20)	HG G (21)	
\$10,000	0.818	0.857	0.856	0.880	0.892	0.910	0.928	0.526	0.551	0.551	0.566	0.574	0.586	0.597	0.531	0.556	0.556	0.571	0.579	0.591	0.602		
\$15,000	0.773	0.819	0.819	0.847	0.859	0.882	0.905	0.497	0.527	0.527	0.545	0.553	0.568	0.582	0.502	0.532	0.532	0.550	0.558	0.573	0.587		
\$20,000	0.736	0.788	0.787	0.819	0.832	0.857	0.884	0.474	0.507	0.506	0.527	0.535	0.551	0.569	0.479	0.512	0.511	0.532	0.540	0.556	0.574		
\$25,000	0.706	0.761	0.760	0.794	0.808	0.835	0.865	0.454	0.490	0.489	0.511	0.520	0.537	0.557	0.459	0.495	0.494	0.516	0.525	0.542	0.562		
\$30,000	0.679	0.738	0.736	0.774	0.787	0.816	0.849	0.437	0.475	0.474	0.498	0.506	0.525	0.546	0.442	0.480	0.479	0.503	0.511	0.530	0.551		
\$35,000	0.655	0.717	0.716	0.754	0.768	0.799	0.833	0.421	0.461	0.461	0.485	0.494	0.514	0.536	0.426	0.466	0.466	0.490	0.499	0.519	0.541		
\$40,000	0.636	0.698	0.696	0.736	0.751	0.784	0.819	0.409	0.449	0.448	0.474	0.483	0.505	0.527	0.414	0.454	0.453	0.479	0.488	0.510	0.532		
\$50,000	0.600	0.666	0.665	0.707	0.720	0.754	0.793	0.386	0.429	0.428	0.455	0.463	0.485	0.510	0.391	0.434	0.433	0.460	0.468	0.490	0.515		
\$75,000	0.534	0.603	0.603	0.646	0.660	0.699	0.740	0.344	0.388	0.388	0.416	0.425	0.450	0.476	0.349	0.393	0.393	0.421	0.430	0.455	0.481		
\$100,000	0.481	0.555	0.553	0.602	0.615	0.655	0.700	0.310	0.357	0.356	0.387	0.396	0.421	0.450	0.315	0.362	0.361	0.392	0.401	0.426	0.455		
\$125,000	0.438	0.513	0.512	0.562	0.579	0.620	0.666	0.282	0.330	0.329	0.362	0.373	0.399	0.429	0.287	0.335	0.334	0.367	0.378	0.404	0.434		
\$150,000	0.402	0.478	0.478	0.528	0.544	0.588	0.637	0.259	0.308	0.308	0.340	0.350	0.378	0.410	0.264	0.313	0.313	0.345	0.355	0.383	0.415		
\$175,000	0.371	0.449	0.448	0.498	0.516	0.560	0.609	0.239	0.289	0.288	0.320	0.332	0.360	0.392	0.244	0.294	0.293	0.325	0.337	0.365	0.397		
\$200,000	0.344	0.422	0.420	0.473	0.490	0.533	0.583	0.221	0.272	0.270	0.304	0.315	0.343	0.375	0.226	0.277	0.275	0.309	0.320	0.348	0.380		
\$225,000	0.317	0.395	0.396	0.448	0.466	0.511	0.562	0.204	0.254	0.255	0.288	0.300	0.329	0.362	0.209	0.259	0.260	0.293	0.305	0.334	0.367		
\$250,000	0.293	0.374	0.374	0.426	0.442	0.489	0.542	0.189	0.241	0.241	0.274	0.284	0.315	0.349	0.194	0.246	0.246	0.279	0.289	0.320	0.354		
\$275,000	0.271	0.352	0.353	0.407	0.423	0.469	0.521	0.174	0.227	0.227	0.262	0.272	0.302	0.335	0.179	0.232	0.232	0.267	0.277	0.307	0.340		
\$300,000	0.249	0.331	0.333	0.386	0.405	0.451	0.504	0.160	0.213	0.214	0.248	0.261	0.290	0.324	0.165	0.218	0.219	0.253	0.266	0.295	0.329		
\$325,000	0.230	0.311	0.314	0.369	0.387	0.435	0.487	0.148	0.200	0.202	0.237	0.249	0.280	0.313	0.153	0.205	0.207	0.242	0.254	0.285	0.318		
\$350,000	0.212	0.292	0.296	0.352	0.370	0.417	0.471	0.136	0.188	0.190	0.227	0.238	0.268	0.303	0.141	0.193	0.195	0.232	0.243	0.273	0.308		
\$375,000	0.195	0.275	0.278	0.334	0.354	0.402	0.458	0.125	0.177	0.179	0.215	0.228	0.259	0.295	0.130	0.182	0.184	0.220	0.233	0.264	0.300		
\$400,000	0.180	0.259	0.261	0.317	0.338	0.388	0.443	0.116	0.167	0.168	0.204	0.218	0.250	0.285	0.121	0.172	0.173	0.209	0.223	0.255	0.290		
\$425,000	0.164	0.244	0.247	0.303	0.322	0.372	0.429	0.106	0.157	0.159	0.195	0.207	0.239	0.276	0.111	0.162	0.164	0.200	0.212	0.244	0.281		
\$450,000	0.152	0.229	0.233	0.289	0.308	0.358	0.416	0.098	0.147	0.150	0.186	0.198	0.230	0.268	0.103	0.152	0.155	0.191	0.203	0.235	0.273		
\$475,000	0.140	0.217	0.218	0.274	0.294	0.346	0.402	0.090	0.140	0.140	0.176	0.189	0.223	0.259	0.095	0.145	0.145	0.181	0.194	0.228	0.264		
\$500,000	0.129	0.204	0.205	0.261	0.281	0.332	0.389	0.083	0.131	0.132	0.168	0.181	0.214	0.250	0.088	0.136	0.137	0.173	0.186	0.219	0.255		
\$600,000	0.094	0.164	0.162	0.215	0.233	0.285	0.343	0.060	0.106	0.104	0.138	0.150	0.183	0.221	0.065	0.111	0.109	0.143	0.155	0.188	0.226		
\$700,000	0.066	0.133	0.129	0.179	0.195	0.243	0.300	0.042	0.086	0.083	0.115	0.125	0.156	0.193	0.047	0.091	0.088	0.120	0.130	0.161	0.198		
\$800,000	0.051	0.109	0.105	0.150	0.163	0.210	0.266	0.033	0.070	0.068	0.097	0.105	0.135	0.171	0.038	0.075	0.073	0.102	0.110	0.140	0.176		
\$900,000	0.039	0.094	0.084	0.129	0.138	0.182	0.237	0.025	0.060	0.054	0.083	0.089	0.117	0.153	0.030	0.065	0.059	0.088	0.094	0.122	0.158		
\$1,000,000	0.0301	0.0822	0.0717	0.1087	0.1186	0.1598	0.2111	0.0194	0.0529	0.0461	0.0699	0.0763	0.1028	0.1358	0.0244	0.0579	0.0511	0.0749	0.0813	0.1078	0.1408		
\$2,000,000	0.0172	0.0476	0.0423	0.0661	0.0729	0.1039	0.1433	0.0111	0.0306	0.0272	0.0425	0.0469	0.0669	0.0922	0.0161	0.0356	0.0322	0.0475	0.0519	0.0719	0.0972		
\$3,000,000	0.0123	0.0344	0.0310	0.0490	0.0548	0.0809	0.1148	0.0079	0.0221	0.0199	0.0315	0.0353	0.0521	0.0739	0.0119	0.0271	0.0249	0.0365	0.0403	0.0571	0.0789		
\$4,000,000	0.0097	0.0271	0.0246	0.0396	0.0445	0.0671	0.0973	0.0062	0.0174	0.0158	0.0255	0.0286	0.0432	0.0626	0.0093	0.0224	0.0208	0.0305	0.0336	0.0482	0.0676		
\$5,000,000	0.0079	0.0224	0.0203	0.0333	0.0377	0.0577	0.0853	0.0051	0.0144	0.0131	0.0214	0.0243	0.0371	0.0549	0.0077	0.0194	0.0181	0.0264	0.0293	0.0421	0.0599		
\$6,000,000	0.0067	0.0192	0.0175	0.0286	0.0329	0.0507	0.0760	0.0043	0.0124	0.0113	0.0184	0.0212	0.0326	0.0489	0.0065	0.0174	0.0163	0.0234	0.0262	0.0376	0.0539		
\$7,000,000	0.0057	0.0164	0.0153	0.0251	0.0291	0.0454	0.0688	0.0037	0.0106	0.0098	0.0162	0.0187	0.0292	0.0443	0.0056	0.0156	0.0147	0.0212	0.0237	0.0342	0.0493		
\$8,000,000	0.0049	0.0145	0.0135	0.0225	0.0260	0.0411	0.0629	0.0032	0.0093	0.0087	0.0145	0.0167	0.0264	0.0405	0.0048	0.0140	0.0131	0.0195	0.0217	0.0314	0.0455		
\$9,000,000	0.0043	0.0127	0.0120	0.0201	0.0235	0.0374	0.0578	0.0028	0.0082	0.0077	0.0129	0.0151	0.0241	0.0372	0.0042	0.0123	0.0116	0.0179	0.0201	0.0291	0.0422		
\$10,000,000	0.0037	0.0112	0.0108	0.0183	0.0215	0.0344	0.0534	0.0024	0.0072	0.0069	0.0118	0.0138	0.0221	0.0344	0.0036	0.0108	0.0104	0.0168	0.0188	0.0271	0.0394		

* 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: 12/1/21

Excess Loss Premium Factors with Adjustment for ALAE

Per Accident Limit	2021 Excess Loss Factors*							2020 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	0.531	0.556	0.556	0.571	0.579	0.591	0.602	0.552	0.576	0.575	0.588	0.596	0.605	0.616	-3.8%	-3.5%	-3.3%	-2.9%	-2.9%	-2.3%	-2.3%
\$15,000	0.502	0.532	0.532	0.550	0.558	0.573	0.587	0.526	0.554	0.553	0.569	0.578	0.589	0.603	-4.6%	-4.0%	-3.8%	-3.3%	-3.5%	-2.7%	-2.7%
\$20,000	0.479	0.512	0.511	0.532	0.540	0.556	0.574	0.505	0.535	0.534	0.553	0.562	0.575	0.590	-5.1%	-4.3%	-4.3%	-3.8%	-3.9%	-3.3%	-2.7%
\$25,000	0.459	0.495	0.494	0.516	0.525	0.542	0.562	0.488	0.519	0.519	0.538	0.548	0.563	0.579	-5.9%	-4.6%	-4.8%	-4.1%	-4.2%	-3.7%	-2.9%
\$30,000	0.442	0.480	0.479	0.503	0.511	0.530	0.551	0.471	0.506	0.504	0.525	0.536	0.552	0.568	-6.2%	-5.1%	-5.0%	-4.2%	-4.7%	-4.0%	-3.0%
\$35,000	0.426	0.466	0.466	0.490	0.499	0.520	0.541	0.457	0.493	0.492	0.514	0.525	0.541	0.559	-6.8%	-5.5%	-5.3%	-4.7%	-5.0%	-3.9%	-3.2%
\$40,000	0.414	0.454	0.453	0.479	0.488	0.510	0.532	0.446	0.482	0.481	0.504	0.514	0.532	0.551	-7.2%	-5.8%	-5.8%	-5.0%	-5.1%	-4.1%	-3.4%
\$50,000	0.391	0.434	0.433	0.460	0.468	0.490	0.515	0.425	0.463	0.462	0.486	0.496	0.516	0.536	-8.0%	-6.3%	-6.3%	-5.3%	-5.6%	-5.0%	-3.9%
\$75,000	0.349	0.393	0.393	0.421	0.430	0.455	0.481	0.384	0.426	0.424	0.450	0.462	0.482	0.505	-9.1%	-7.7%	-7.3%	-6.4%	-6.9%	-5.6%	-4.8%
\$100,000	0.315	0.362	0.361	0.392	0.401	0.426	0.455	0.352	0.396	0.395	0.422	0.434	0.456	0.479	-10.5%	-8.6%	-8.6%	-7.1%	-7.6%	-6.6%	-5.0%
\$125,000	0.287	0.335	0.334	0.367	0.378	0.404	0.434	0.325	0.370	0.398	0.411	0.435	0.460	-11.7%	-9.5%	-9.7%	-7.8%	-8.0%	-7.1%	-5.7%	
\$150,000	0.264	0.313	0.313	0.345	0.355	0.383	0.415	0.302	0.348	0.347	0.377	0.390	0.415	0.441	-12.6%	-10.1%	-9.8%	-8.5%	-9.0%	-7.7%	-5.9%
\$175,000	0.244	0.294	0.293	0.325	0.337	0.365	0.397	0.279	0.329	0.328	0.359	0.371	0.397	0.424	-12.5%	-10.6%	-10.7%	-9.5%	-9.2%	-8.1%	-6.4%
\$200,000	0.226	0.277	0.275	0.309	0.320	0.348	0.380	0.261	0.309	0.310	0.342	0.356	0.382	0.408	-13.4%	-10.4%	-11.3%	-9.6%	-10.1%	-8.9%	-6.9%
\$225,000	0.209	0.259	0.260	0.293	0.305	0.334	0.367	0.243	0.293	0.293	0.325	0.340	0.367	0.395	-14.0%	-11.6%	-11.3%	-9.8%	-10.3%	-9.0%	-7.1%
\$250,000	0.194	0.246	0.246	0.279	0.289	0.320	0.354	0.227	0.277	0.277	0.311	0.325	0.353	0.381	-14.5%	-11.2%	-11.2%	-10.3%	-11.1%	-9.3%	-7.1%
\$275,000	0.179	0.232	0.232	0.266	0.277	0.308	0.342	0.210	0.261	0.263	0.297	0.310	0.339	0.369	-14.8%	-11.1%	-11.8%	-10.4%	-10.6%	-9.1%	-7.3%
\$300,000	0.165	0.219	0.219	0.253	0.266	0.295	0.329	0.195	0.246	0.249	0.283	0.298	0.327	0.357	-15.4%	-11.0%	-12.0%	-10.6%	-10.7%	-9.8%	-7.8%
\$325,000	0.153	0.205	0.207	0.242	0.254	0.284	0.318	0.180	0.232	0.235	0.270	0.286	0.315	0.346	-15.0%	-11.6%	-11.9%	-10.4%	-11.2%	-9.8%	-8.1%
\$350,000	0.141	0.193	0.195	0.231	0.243	0.273	0.308	0.168	0.220	0.222	0.257	0.274	0.304	0.335	-16.1%	-12.3%	-12.2%	-10.1%	-11.3%	-10.2%	-8.1%
\$375,000	0.130	0.182	0.184	0.220	0.233	0.263	0.299	0.156	0.207	0.210	0.246	0.263	0.294	0.325	-16.7%	-12.1%	-12.4%	-10.6%	-11.4%	-10.5%	-8.0%
\$400,000	0.121	0.172	0.174	0.210	0.223	0.254	0.290	0.145	0.196	0.199	0.235	0.251	0.283	0.315	-16.6%	-12.2%	-12.6%	-10.6%	-11.2%	-10.2%	-7.9%
\$425,000	0.111	0.162	0.164	0.200	0.213	0.244	0.281	0.133	0.185	0.188	0.224	0.240	0.273	0.305	-16.5%	-12.4%	-12.8%	-10.7%	-11.3%	-10.6%	-7.9%
\$450,000	0.103	0.152	0.155	0.191	0.203	0.235	0.273	0.124	0.174	0.177	0.213	0.230	0.263	0.296	-16.9%	-12.6%	-12.4%	-10.3%	-11.7%	-10.6%	-7.8%
\$475,000	0.095	0.144	0.145	0.181	0.194	0.227	0.264	0.115	0.164	0.168	0.204	0.220	0.253	0.287	-17.4%	-12.2%	-13.7%	-11.3%	-11.8%	-10.3%	-8.0%
\$500,000	0.088	0.136	0.137	0.173	0.186	0.219	0.256	0.107	0.156	0.158	0.194	0.210	0.244	0.278	-17.8%	-12.8%	-13.3%	-10.8%	-11.4%	-10.2%	-7.9%
\$600,000	0.065	0.111	0.109	0.143	0.155	0.188	0.226	0.080	0.126	0.127	0.161	0.177	0.210	0.244	-18.8%	-11.9%	-14.2%	-11.2%	-12.4%	-10.5%	-7.4%
\$700,000	0.047	0.091	0.088	0.120	0.130	0.161	0.198	0.059	0.104	0.103	0.135	0.149	0.181	0.216	-20.3%	-12.5%	-14.6%	-11.1%	-12.8%	-11.0%	-8.3%
\$800,000	0.038	0.075	0.073	0.102	0.110	0.140	0.176	0.047	0.086	0.085	0.114	0.127	0.158	0.191	-19.1%	-12.8%	-14.1%	-10.5%	-13.4%	-11.4%	-7.9%
\$900,000	0.030	0.065	0.059	0.088	0.094	0.122	0.158	0.038	0.075	0.069	0.099	0.109	0.138	0.171	-21.1%	-13.3%	-14.5%	-11.1%	-13.8%	-11.6%	-7.6%
\$1,000,000	0.0244	0.0579	0.0511	0.0749	0.0813	0.1078	0.1408	0.0301	0.0647	0.0594	0.0846	0.0942	0.1216	0.1526	-18.9%	-10.5%	-14.0%	-11.5%	-13.7%	-11.3%	-7.7%
\$2,000,000	0.0161	0.0356	0.0322	0.0475	0.0519	0.0719	0.0972	0.0194	0.0399	0.0374	0.0538	0.0604	0.0813	0.1055	-17.0%	-10.8%	-13.9%	-11.7%	-14.1%	-11.6%	-7.9%
\$3,000,000	0.0119	0.0271	0.0249	0.0365	0.0403	0.0571	0.0789	0.0155	0.0304	0.0288	0.0415	0.0467	0.0644	0.0852	-23.2%	-10.9%	-13.5%	-12.0%	-13.7%	-11.3%	-7.4%
\$4,000,000	0.0093	0.0224	0.0208	0.0305	0.0336	0.0482	0.0676	0.0125	0.0252	0.0241	0.0345	0.0390	0.0546	0.0732	-25.6%	-11.1%	-13.7%	-11.6%	-13.8%	-11.7%	-7.7%
\$5,000,000	0.0077	0.0194	0.0181	0.0264	0.0293	0.0421	0.0599	0.0102	0.0218	0.0211	0.0300	0.0339	0.0477	0.0646	-24.5%	-11.0%	-14.2%	-12.0%	-13.6%	-11.7%	-7.3%
\$6,000,000	0.0065	0.0174	0.0163	0.0234	0.0262	0.0376	0.0539	0.0089	0.0193	0.0188	0.0267	0.0302	0.0425	0.0583	-27.0%	-9.8%	-13.3%	-12.4%	-13.2%	-11.5%	-7.5%
\$7,000,000	0.0056	0.0156	0.0147	0.0212	0.0237	0.0342	0.0493	0.0075	0.0176	0.0171	0.0241	0.0274	0.0387	0.0531	-25.3%	-11.4%	-14.0%	-12.0%	-13.5%	-11.6%	-7.2%
\$8,000,000	0.0048	0.0140	0.0131	0.0195	0.0217	0.0314	0.0455	0.0066	0.0161	0.0157	0.0220	0.0252	0.0356	0.0491	-27.3%	-13.0%	-16.6%	-11.4%	-13.9%	-11.8%	-7.3%
\$9,000,000	0.0042	0.0123	0.0116	0.0179	0.0201	0.0291	0.0422	0.0057	0.0147	0.0143	0.0204	0.0234	0.0331	0.0456	-26.3%	-16.3%	-18.9%	-12.3%	-14.1%	-12.1%	-7.5%
\$10,000,000	0.0036	0.0108	0.0104	0.0168	0.0188	0.0271	0.0394	0.0050	0.0132	0.0129	0.0191	0.0218	0.0306	0.0427	-28.0%	-18.2%	-19.4%	-12.0%	-13.8%	-11.4%	-7.7%

* Adjusted