

DELAWARE COMPENSATION RATING BUREAU, INC

Excess Loss Pure 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 a provision for allocated loss adjustment expenses.

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

These factors are applicable to voluntary market loss costs.

DELAWARE
 Excess Loss Factor Study
 Excess Loss (Pure 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	TCR	0.9182	HG D	HG E	HG F	HG G	HG A	HG B	HG C	HG D	HG E	HG F	HG G
	(1) Pg2	(2) Pg3	(3) Pg4	(4) Pg5	(5) Pg6	(6) Pg7	(7) Pg8	(8) (1)*TCR	(9) (1)*TCR	(10) (2)*TCR	(11) (3)*TCR	(12) (4)*TCR	(13) (5)*TCR	(14) (6)*TCR	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Columns (8)-(14) + 0.005 (Max Adj = 1/2 ELF)																					
\$10,000	0.858	0.891	0.892	0.912	0.932	0.951	0.960	0.788	0.818	0.819	0.837	0.856	0.873	0.881	0.793	0.823	0.824	0.842	0.861	0.878	0.886
\$15,000	0.823	0.863	0.865	0.887	0.914	0.934	0.949	0.756	0.792	0.794	0.814	0.839	0.858	0.871	0.761	0.797	0.799	0.819	0.844	0.863	0.876
\$20,000	0.794	0.838	0.842	0.868	0.896	0.921	0.936	0.729	0.769	0.773	0.797	0.823	0.846	0.859	0.734	0.774	0.778	0.802	0.828	0.851	0.864
\$25,000	0.768	0.817	0.821	0.850	0.881	0.909	0.926	0.705	0.750	0.754	0.780	0.809	0.835	0.850	0.710	0.755	0.759	0.785	0.814	0.840	0.855
\$30,000	0.745	0.797	0.802	0.833	0.866	0.897	0.917	0.684	0.732	0.736	0.765	0.795	0.824	0.842	0.689	0.737	0.741	0.770	0.800	0.829	0.847
\$35,000	0.724	0.778	0.786	0.818	0.853	0.885	0.906	0.665	0.714	0.722	0.751	0.783	0.813	0.832	0.670	0.719	0.727	0.756	0.788	0.818	0.837
\$40,000	0.705	0.761	0.769	0.804	0.840	0.874	0.897	0.647	0.699	0.706	0.738	0.771	0.803	0.824	0.652	0.704	0.711	0.743	0.776	0.808	0.829
\$50,000	0.674	0.733	0.741	0.776	0.816	0.854	0.880	0.619	0.673	0.680	0.713	0.749	0.784	0.808	0.624	0.678	0.685	0.718	0.754	0.789	0.813
\$75,000	0.610	0.674	0.683	0.724	0.769	0.811	0.842	0.560	0.619	0.627	0.665	0.706	0.745	0.773	0.565	0.624	0.632	0.670	0.711	0.750	0.778
\$100,000	0.559	0.628	0.639	0.681	0.729	0.775	0.809	0.513	0.577	0.587	0.625	0.669	0.712	0.743	0.518	0.582	0.592	0.630	0.674	0.717	0.748
\$125,000	0.516	0.587	0.600	0.645	0.697	0.742	0.780	0.474	0.539	0.551	0.592	0.640	0.681	0.716	0.479	0.544	0.556	0.597	0.645	0.686	0.721
\$150,000	0.482	0.554	0.567	0.614	0.665	0.716	0.755	0.443	0.509	0.521	0.564	0.611	0.657	0.693	0.448	0.514	0.526	0.569	0.616	0.662	0.698
\$175,000	0.448	0.523	0.539	0.586	0.639	0.690	0.730	0.411	0.480	0.495	0.538	0.587	0.634	0.670	0.416	0.485	0.500	0.543	0.592	0.639	0.675
\$200,000	0.417	0.495	0.512	0.561	0.615	0.668	0.710	0.383	0.455	0.470	0.515	0.565	0.613	0.652	0.388	0.460	0.475	0.520	0.570	0.618	0.657
\$225,000	0.388	0.470	0.486	0.536	0.594	0.648	0.690	0.356	0.432	0.446	0.492	0.545	0.595	0.634	0.361	0.437	0.451	0.497	0.550	0.600	0.639
\$250,000	0.361	0.444	0.463	0.515	0.572	0.629	0.673	0.331	0.408	0.425	0.473	0.525	0.578	0.618	0.336	0.413	0.430	0.478	0.530	0.583	0.623
\$275,000	0.336	0.420	0.439	0.494	0.553	0.609	0.655	0.309	0.386	0.403	0.454	0.508	0.559	0.601	0.314	0.391	0.408	0.459	0.513	0.564	0.606
\$300,000	0.312	0.397	0.418	0.473	0.534	0.592	0.639	0.286	0.365	0.384	0.434	0.490	0.544	0.587	0.291	0.370	0.389	0.439	0.495	0.549	0.592
\$325,000	0.290	0.376	0.398	0.454	0.516	0.576	0.623	0.266	0.345	0.365	0.417	0.474	0.529	0.572	0.271	0.350	0.370	0.422	0.479	0.534	0.577
\$350,000	0.269	0.355	0.376	0.435	0.498	0.560	0.609	0.247	0.326	0.345	0.399	0.457	0.514	0.559	0.252	0.331	0.350	0.404	0.462	0.519	0.564
\$375,000	0.249	0.334	0.357	0.418	0.482	0.544	0.595	0.229	0.307	0.328	0.384	0.443	0.500	0.546	0.234	0.312	0.333	0.389	0.448	0.505	0.551
\$400,000	0.231	0.316	0.340	0.398	0.465	0.529	0.580	0.212	0.290	0.312	0.365	0.427	0.486	0.533	0.217	0.295	0.317	0.370	0.432	0.491	0.538
\$425,000	0.214	0.299	0.323	0.383	0.449	0.515	0.567	0.196	0.275	0.297	0.352	0.412	0.473	0.521	0.201	0.280	0.302	0.357	0.417	0.478	0.526
\$450,000	0.197	0.283	0.305	0.367	0.433	0.500	0.553	0.181	0.260	0.280	0.337	0.398	0.459	0.508	0.186	0.265	0.285	0.342	0.403	0.464	0.513
\$475,000	0.183	0.266	0.290	0.350	0.419	0.486	0.541	0.168	0.244	0.266	0.321	0.385	0.446	0.497	0.173	0.249	0.271	0.326	0.390	0.451	0.502
\$500,000	0.170	0.253	0.276	0.336	0.404	0.472	0.528	0.156	0.232	0.253	0.309	0.371	0.433	0.485	0.161	0.237	0.258	0.314	0.376	0.438	0.490
\$600,000	0.127	0.204	0.224	0.283	0.352	0.421	0.481	0.117	0.187	0.206	0.260	0.323	0.387	0.442	0.122	0.192	0.211	0.265	0.328	0.392	0.447
\$700,000	0.095	0.166	0.184	0.240	0.307	0.376	0.437	0.087	0.152	0.169	0.220	0.282	0.345	0.401	0.092	0.157	0.174	0.225	0.287	0.350	0.406
\$800,000	0.072	0.140	0.152	0.205	0.270	0.338	0.397	0.066	0.129	0.140	0.188	0.248	0.310	0.365	0.071	0.134	0.145	0.193	0.253	0.315	0.370
\$900,000	0.056	0.119	0.127	0.177	0.237	0.304	0.363	0.051	0.109	0.117	0.163	0.218	0.279	0.333	0.056	0.114	0.122	0.168	0.223	0.284	0.338
* \$1,000,000	0.0439	0.1025	0.1083	0.1523	0.2112	0.2742	0.3323	0.0403	0.0941	0.0994	0.1398	0.1939	0.2518	0.3051	0.0453	0.0991	0.1044	0.1448	0.1989	0.2568	0.3101
\$2,000,000	0.0248	0.0586	0.0631	0.0912	0.1284	0.1749	0.2193	0.0228	0.0538	0.0579	0.0837	0.1179	0.1606	0.2014	0.0278	0.0588	0.0629	0.0887	0.1229	0.1656	0.2064
\$3,000,000	0.0175	0.0414	0.0449	0.0659	0.0944	0.1327	0.1708	0.0161	0.0380	0.0412	0.0605	0.0867	0.1218	0.1568	0.0211	0.0430	0.0462	0.0655	0.0917	0.1268	0.1618
\$4,000,000	0.0134	0.0319	0.0349	0.0519	0.0746	0.1069	0.1406	0.0123	0.0293	0.0320	0.0477	0.0685	0.0982	0.1291	0.0173	0.0343	0.0370	0.0527	0.0735	0.1032	0.1341
\$5,000,000	0.0109	0.0260	0.0286	0.0426	0.0617	0.0897	0.1193	0.0100	0.0239	0.0263	0.0391	0.0567	0.0824	0.1095	0.0150	0.0289	0.0313	0.0441	0.0617	0.0874	0.1145
\$6,000,000	0.0091	0.0218	0.0243	0.0359	0.0528	0.0768	0.1033	0.0084	0.0200	0.0223	0.0330	0.0485	0.0705	0.0949	0.0126	0.0250	0.0273	0.0380	0.0535	0.0755	0.0999
\$7,000,000	0.0078	0.0187	0.0208	0.0311	0.0458	0.0675	0.0911	0.0072	0.0172	0.0191	0.0286	0.0421	0.0620	0.0836	0.0108	0.0222	0.0241	0.0336	0.0471	0.0670	0.0886
\$8,000,000	0.0068	0.0164	0.0182	0.0276	0.0403	0.0598	0.0814	0.0062	0.0151	0.0167	0.0253	0.0370	0.0549	0.0747	0.0093	0.0201	0.0217	0.0303	0.0420	0.0599	0.0797
\$9,000,000	0.0058	0.0147	0.0162	0.0244	0.0361	0.0535	0.0731	0.0053	0.0135	0.0149	0.0224	0.0331	0.0491	0.0671	0.0080	0.0185	0.0199	0.0274	0.0381	0.0541	0.0721
\$10,000,000	0.0051	0.0128	0.0145	0.0219	0.0325	0.0483	0.0668	0.0047	0.0118	0.0133	0.0201	0.0298	0.0443	0.0613	0.0071	0.0168	0.0183	0.0251	0.0348	0.0493	0.0663

* 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: 12/1/15
Excess Loss (Pure Premium) Factors with Adjustment for ALAE

Per Accident Limit	2015 Excess Loss Factors*							2014 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	0.793	0.823	0.824	0.842	0.861	0.878	0.886	0.793	0.822	0.824	0.842	0.857	0.875	0.884	0.0%	0.1%	0.0%	0.0%	0.5%	0.3%	0.2%
\$15,000	0.761	0.797	0.799	0.819	0.844	0.863	0.875	0.761	0.796	0.800	0.820	0.838	0.860	0.872	0.0%	0.1%	-0.1%	-0.1%	0.7%	0.3%	0.3%
\$20,000	0.734	0.774	0.778	0.802	0.828	0.851	0.864	0.736	0.775	0.778	0.803	0.822	0.846	0.861	-0.3%	-0.1%	0.0%	-0.1%	0.7%	0.6%	0.3%
\$25,000	0.710	0.755	0.759	0.785	0.814	0.840	0.855	0.712	0.754	0.759	0.786	0.808	0.835	0.851	-0.3%	0.1%	0.0%	-0.1%	0.7%	0.6%	0.5%
\$30,000	0.689	0.737	0.741	0.770	0.800	0.829	0.846	0.693	0.735	0.742	0.770	0.794	0.823	0.842	-0.6%	0.3%	-0.1%	0.0%	0.8%	0.7%	0.5%
\$35,000	0.670	0.719	0.726	0.756	0.788	0.818	0.837	0.674	0.720	0.727	0.756	0.781	0.812	0.833	-0.6%	-0.1%	-0.1%	0.0%	0.9%	0.7%	0.5%
\$40,000	0.652	0.704	0.711	0.743	0.776	0.808	0.829	0.659	0.707	0.714	0.742	0.769	0.801	0.823	-1.1%	-0.4%	-0.4%	0.1%	0.9%	0.9%	0.7%
\$50,000	0.624	0.678	0.685	0.718	0.754	0.789	0.813	0.630	0.681	0.688	0.719	0.748	0.782	0.807	-1.0%	-0.4%	-0.4%	-0.1%	0.8%	0.9%	0.7%
\$75,000	0.565	0.624	0.632	0.670	0.711	0.750	0.778	0.575	0.629	0.639	0.674	0.704	0.742	0.771	-1.7%	-0.8%	-1.1%	-0.6%	1.0%	1.1%	0.9%
\$100,000	0.518	0.582	0.592	0.630	0.674	0.717	0.748	0.531	0.588	0.598	0.635	0.669	0.711	0.741	-2.4%	-1.0%	-1.0%	-0.8%	0.7%	0.8%	0.9%
\$125,000	0.479	0.544	0.556	0.597	0.645	0.686	0.721	0.494	0.553	0.565	0.603	0.637	0.680	0.715	-3.0%	-1.6%	-1.6%	-1.0%	1.3%	0.9%	0.8%
\$150,000	0.448	0.514	0.526	0.569	0.616	0.662	0.698	0.462	0.523	0.536	0.574	0.610	0.655	0.689	-3.0%	-1.7%	-1.9%	-0.9%	1.0%	1.1%	1.3%
\$175,000	0.416	0.485	0.500	0.543	0.592	0.639	0.675	0.434	0.496	0.509	0.550	0.586	0.633	0.668	-4.1%	-2.2%	-1.8%	-1.3%	1.0%	0.9%	1.0%
\$200,000	0.388	0.460	0.475	0.520	0.570	0.618	0.657	0.406	0.470	0.485	0.526	0.563	0.611	0.650	-4.4%	-2.1%	-2.1%	-1.1%	1.2%	1.1%	1.1%
\$225,000	0.361	0.437	0.451	0.497	0.550	0.600	0.639	0.382	0.447	0.462	0.505	0.543	0.592	0.631	-5.5%	-2.2%	-2.4%	-1.6%	1.3%	1.4%	1.3%
\$250,000	0.336	0.413	0.430	0.478	0.530	0.582	0.623	0.357	0.425	0.442	0.483	0.525	0.575	0.613	-5.9%	-2.8%	-2.7%	-1.0%	1.0%	1.2%	1.6%
\$275,000	0.314	0.391	0.408	0.459	0.513	0.564	0.606	0.334	0.404	0.422	0.466	0.506	0.558	0.598	-6.0%	-3.2%	-3.3%	-1.5%	1.4%	1.1%	1.3%
\$300,000	0.291	0.370	0.389	0.441	0.495	0.549	0.592	0.313	0.382	0.402	0.448	0.490	0.541	0.583	-7.0%	-3.1%	-3.2%	-1.6%	1.0%	1.5%	1.5%
\$325,000	0.271	0.350	0.369	0.422	0.479	0.534	0.577	0.293	0.363	0.383	0.431	0.473	0.526	0.568	-7.5%	-3.6%	-3.7%	-2.1%	1.3%	1.5%	1.6%
\$350,000	0.252	0.331	0.350	0.404	0.462	0.519	0.564	0.275	0.345	0.366	0.413	0.457	0.511	0.554	-8.4%	-4.1%	-4.4%	-2.2%	1.1%	1.6%	1.8%
\$375,000	0.234	0.312	0.333	0.387	0.447	0.505	0.551	0.256	0.328	0.348	0.397	0.441	0.497	0.540	-8.6%	-4.9%	-4.3%	-2.5%	1.4%	1.6%	2.0%
\$400,000	0.217	0.295	0.317	0.370	0.432	0.491	0.538	0.240	0.311	0.331	0.380	0.426	0.482	0.528	-9.6%	-5.1%	-4.2%	-2.6%	1.4%	1.9%	1.9%
\$425,000	0.201	0.279	0.301	0.356	0.417	0.478	0.526	0.225	0.295	0.316	0.365	0.412	0.469	0.515	-10.7%	-5.4%	-4.7%	-2.5%	1.2%	1.9%	2.1%
\$450,000	0.186	0.264	0.285	0.342	0.403	0.464	0.513	0.210	0.280	0.301	0.350	0.397	0.455	0.503	-11.4%	-5.7%	-5.3%	-2.3%	1.5%	2.0%	2.0%
\$475,000	0.173	0.249	0.271	0.328	0.390	0.451	0.502	0.196	0.266	0.287	0.336	0.383	0.442	0.490	-11.7%	-6.4%	-5.6%	-2.4%	1.8%	2.0%	2.4%
\$500,000	0.161	0.237	0.258	0.314	0.376	0.438	0.490	0.183	0.252	0.273	0.321	0.370	0.428	0.478	-12.0%	-6.0%	-5.5%	-2.2%	1.6%	2.3%	2.5%
\$600,000	0.122	0.192	0.211	0.265	0.328	0.392	0.447	0.141	0.208	0.226	0.273	0.322	0.381	0.432	-13.5%	-7.7%	-6.6%	-2.9%	1.9%	2.9%	3.5%
\$700,000	0.092	0.157	0.174	0.225	0.287	0.350	0.406	0.111	0.173	0.188	0.235	0.280	0.340	0.392	-17.1%	-9.2%	-7.4%	-4.3%	2.5%	2.9%	3.6%
\$800,000	0.071	0.134	0.145	0.193	0.253	0.315	0.370	0.088	0.145	0.159	0.202	0.247	0.304	0.355	-19.3%	-7.6%	-8.8%	-4.5%	2.4%	3.6%	4.2%
\$900,000	0.056	0.114	0.122	0.168	0.223	0.284	0.338	0.068	0.124	0.134	0.174	0.216	0.273	0.324	-17.6%	-8.1%	-9.0%	-3.4%	3.2%	4.0%	4.3%
\$1,000,000	0.0453	0.0991	0.1044	0.1448	0.1989	0.2568	0.3101	0.0566	0.1077	0.1161	0.1525	0.1924	0.2463	0.2958	-20.0%	-8.0%	-10.1%	-5.0%	3.4%	4.3%	4.8%
\$2,000,000	0.0278	0.0588	0.0629	0.0887	0.1229	0.1656	0.2064	0.0313	0.0577	0.0630	0.0841	0.1073	0.1448	0.1812	-11.2%	1.9%	-0.2%	5.5%	14.5%	14.4%	13.9%
\$3,000,000	0.0211	0.0430	0.0462	0.0655	0.0917	0.1268	0.1618	0.0224	0.0402	0.0439	0.0587	0.0751	0.1034	0.1324	-5.8%	7.0%	5.2%	11.6%	22.1%	22.6%	22.2%
\$4,000,000	0.0173	0.0343	0.0370	0.0527	0.0735	0.1032	0.1341	0.0180	0.0312	0.0341	0.0454	0.0581	0.0808	0.1042	-3.9%	9.9%	8.5%	16.1%	26.5%	27.7%	28.7%
\$5,000,000	0.0150	0.0289	0.0313	0.0441	0.0617	0.0874	0.1145	0.0152	0.0258	0.0282	0.0370	0.0475	0.0661	0.0858	-1.3%	12.0%	11.0%	19.2%	29.9%	32.2%	33.4%
\$6,000,000	0.0126	0.0250	0.0273	0.0380	0.0535	0.0755	0.0999	0.0126	0.0222	0.0240	0.0315	0.0403	0.0560	0.0728	0.0%	12.6%	13.8%	20.6%	32.8%	34.8%	37.2%
\$7,000,000	0.0108	0.0222	0.0241	0.0336	0.0471	0.0670	0.0886	0.0107	0.0196	0.0210	0.0277	0.0350	0.0484	0.0635	0.9%	13.3%	14.8%	21.3%	34.6%	38.4%	39.5%
\$8,000,000	0.0093	0.0201	0.0217	0.0303	0.0420	0.0599	0.0797	0.0092	0.0174	0.0190	0.0247	0.0311	0.0429	0.0559	1.1%	15.5%	14.2%	22.7%	35.0%	39.6%	42.6%
\$9,000,000	0.0080	0.0185	0.0199	0.0274	0.0381	0.0541	0.0721	0.0078	0.0157	0.0172	0.0221	0.0277	0.0383	0.0501	2.6%	17.8%	15.7%	24.0%	37.5%	41.3%	43.9%
\$10,000,000	0.0071	0.0168	0.0183	0.0251	0.0348	0.0493	0.0663	0.0071	0.0143	0.0157	0.0202	0.0257	0.0347	0.0454	0.0%	17.5%	16.6%	24.3%	35.4%	42.1%	46.0%

* Adjusted