

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 (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	TCR (8) (1)*TCR	0.9174 HG A (10)	1.09004 HG B (9) (2)*TCR	HG C (11) (3)*TCR	HG D (12) (4)*TCR	HG E (13) (5)*TCR	HG F (14) (6)*TCR	HG G (15)	HG A (16)	HG B (17)	HG C (18)	HG D (19)	HG E (20)	HG F (21)			
																							Columns (8)-(14) + 0.005 (Max Adj = 1/2 ELF)	
\$10,000	0.890	0.906	0.906	0.919	0.928	0.943	0.960	0.816	0.831	0.831	0.843	0.851	0.865	0.881	0.821	0.836	0.836	0.848	0.856	0.870	0.886			
\$15,000	0.862	0.882	0.882	0.898	0.909	0.927	0.947	0.791	0.809	0.809	0.824	0.834	0.850	0.869	0.796	0.814	0.814	0.829	0.839	0.855	0.874			
\$20,000	0.840	0.860	0.862	0.879	0.892	0.913	0.934	0.771	0.789	0.791	0.806	0.818	0.838	0.857	0.776	0.794	0.796	0.811	0.823	0.843	0.862			
\$25,000	0.820	0.844	0.844	0.863	0.877	0.898	0.924	0.752	0.774	0.774	0.792	0.805	0.824	0.848	0.757	0.779	0.779	0.797	0.810	0.829	0.853			
\$30,000	0.800	0.827	0.829	0.848	0.863	0.887	0.915	0.734	0.759	0.761	0.778	0.792	0.814	0.839	0.739	0.764	0.766	0.783	0.797	0.819	0.844			
\$35,000	0.784	0.812	0.815	0.835	0.851	0.876	0.906	0.719	0.745	0.748	0.766	0.781	0.804	0.831	0.724	0.750	0.753	0.771	0.786	0.809	0.836			
\$40,000	0.767	0.798	0.800	0.823	0.839	0.865	0.898	0.704	0.732	0.734	0.755	0.770	0.794	0.824	0.709	0.737	0.739	0.760	0.775	0.799	0.829			
\$50,000	0.742	0.773	0.776	0.800	0.818	0.847	0.882	0.681	0.709	0.712	0.734	0.750	0.777	0.809	0.686	0.714	0.717	0.739	0.755	0.782	0.814			
\$75,000	0.689	0.724	0.728	0.752	0.774	0.806	0.844	0.632	0.664	0.668	0.690	0.710	0.739	0.774	0.637	0.669	0.673	0.695	0.715	0.744	0.779			
\$100,000	0.647	0.683	0.689	0.717	0.740	0.773	0.814	0.594	0.627	0.632	0.658	0.679	0.709	0.747	0.599	0.632	0.637	0.663	0.684	0.714	0.752			
\$125,000	0.612	0.650	0.657	0.684	0.708	0.744	0.787	0.561	0.596	0.603	0.628	0.650	0.683	0.722	0.566	0.601	0.608	0.633	0.655	0.688	0.727			
\$150,000	0.583	0.621	0.628	0.658	0.681	0.718	0.764	0.535	0.570	0.576	0.604	0.625	0.659	0.701	0.540	0.575	0.581	0.609	0.630	0.664	0.706			
\$175,000	0.556	0.595	0.604	0.632	0.659	0.695	0.742	0.510	0.546	0.554	0.580	0.605	0.638	0.681	0.515	0.551	0.559	0.585	0.610	0.643	0.686			
\$200,000	0.532	0.573	0.581	0.610	0.636	0.673	0.721	0.488	0.526	0.533	0.560	0.583	0.617	0.661	0.493	0.531	0.538	0.565	0.588	0.622	0.666			
\$225,000	0.510	0.550	0.561	0.590	0.616	0.655	0.703	0.468	0.505	0.515	0.541	0.565	0.601	0.645	0.473	0.510	0.520	0.546	0.570	0.606	0.650			
\$250,000	0.488	0.529	0.539	0.570	0.596	0.636	0.686	0.448	0.485	0.494	0.523	0.547	0.583	0.629	0.453	0.490	0.499	0.528	0.552	0.588	0.634			
\$275,000	0.467	0.510	0.520	0.553	0.580	0.620	0.669	0.428	0.468	0.477	0.507	0.532	0.569	0.614	0.433	0.473	0.482	0.512	0.537	0.574	0.619			
\$300,000	0.445	0.492	0.502	0.534	0.562	0.603	0.655	0.408	0.451	0.461	0.490	0.516	0.553	0.601	0.413	0.456	0.466	0.495	0.521	0.558	0.606			
\$325,000	0.425	0.470	0.483	0.517	0.546	0.589	0.639	0.390	0.431	0.443	0.474	0.501	0.540	0.586	0.395	0.436	0.448	0.479	0.506	0.545	0.591			
\$350,000	0.407	0.451	0.466	0.500	0.529	0.572	0.625	0.373	0.414	0.428	0.459	0.485	0.525	0.573	0.378	0.419	0.433	0.464	0.490	0.530	0.578			
\$375,000	0.389	0.434	0.448	0.485	0.514	0.558	0.611	0.357	0.398	0.411	0.445	0.472	0.512	0.561	0.362	0.403	0.416	0.450	0.477	0.517	0.566			
\$400,000	0.371	0.418	0.433	0.468	0.498	0.543	0.596	0.340	0.383	0.397	0.429	0.457	0.498	0.547	0.345	0.388	0.402	0.434	0.462	0.503	0.552			
\$425,000	0.355	0.402	0.416	0.452	0.484	0.528	0.583	0.326	0.369	0.382	0.415	0.444	0.484	0.535	0.331	0.374	0.387	0.420	0.449	0.489	0.540			
\$450,000	0.340	0.385	0.400	0.436	0.471	0.514	0.571	0.312	0.353	0.367	0.400	0.432	0.472	0.524	0.317	0.358	0.372	0.405	0.437	0.477	0.529			
\$475,000	0.323	0.370	0.387	0.422	0.455	0.501	0.557	0.296	0.339	0.355	0.387	0.417	0.460	0.511	0.301	0.344	0.360	0.392	0.422	0.465	0.516			
\$500,000	0.309	0.357	0.370	0.407	0.440	0.488	0.544	0.283	0.328	0.339	0.373	0.404	0.448	0.499	0.288	0.333	0.344	0.378	0.409	0.453	0.504			
\$600,000	0.259	0.303	0.320	0.356	0.390	0.438	0.497	0.238	0.278	0.294	0.327	0.358	0.402	0.456	0.243	0.283	0.299	0.332	0.363	0.407	0.461			
\$700,000	0.217	0.260	0.275	0.312	0.346	0.393	0.454	0.199	0.239	0.252	0.286	0.317	0.361	0.416	0.204	0.244	0.257	0.291	0.322	0.366	0.421			
\$800,000	0.183	0.225	0.239	0.273	0.307	0.355	0.415	0.168	0.206	0.219	0.250	0.282	0.326	0.381	0.173	0.211	0.224	0.255	0.287	0.331	0.386			
\$900,000	0.155	0.194	0.207	0.242	0.272	0.321	0.380	0.142	0.178	0.190	0.222	0.250	0.294	0.349	0.147	0.183	0.195	0.227	0.255	0.299	0.354			
* \$1,000,000	0.1326	0.1693	0.1816	0.2132	0.2440	0.2897	0.3496	0.1216	0.1553	0.1666	0.1956	0.2238	0.2658	0.3207	0.1266	0.1603	0.1716	0.2006	0.2288	0.2708	0.3257			
\$2,000,000	0.0647	0.0840	0.0913	0.1113	0.1310	0.1657	0.2105	0.0594	0.0771	0.0838	0.1021	0.1202	0.1520	0.1931	0.0644	0.0821	0.0888	0.1071	0.1252	0.1570	0.1981			
\$3,000,000	0.0423	0.0547	0.0599	0.0736	0.0874	0.1141	0.1496	0.0388	0.0502	0.0550	0.0675	0.0802	0.1047	0.1372	0.0438	0.0552	0.0600	0.0725	0.0852	0.1097	0.1422			
\$4,000,000	0.0309	0.0396	0.0436	0.0542	0.0649	0.0855	0.1147	0.0283	0.0363	0.0400	0.0497	0.0595	0.0784	0.1052	0.0333	0.0413	0.0450	0.0547	0.0645	0.0834	0.1102			
\$5,000,000	0.0237	0.0313	0.0343	0.0426	0.0512	0.0678	0.0919	0.0217	0.0287	0.0315	0.0391	0.0470	0.0622	0.0843	0.0267	0.0337	0.0365	0.0441	0.0520	0.0672	0.0893			
\$6,000,000	0.0192	0.0252	0.0281	0.0350	0.0417	0.0559	0.0762	0.0176	0.0231	0.0258	0.0321	0.0383	0.0513	0.0699	0.0226	0.0281	0.0308	0.0371	0.0433	0.0563	0.0749			
\$7,000,000	0.0163	0.0213	0.0232	0.0292	0.0354	0.0472	0.0650	0.0150	0.0195	0.0213	0.0268	0.0325	0.0433	0.0596	0.0200	0.0245	0.0263	0.0318	0.0375	0.0483	0.0646			
\$8,000,000	0.0139	0.0179	0.0202	0.0252	0.0305	0.0408	0.0563	0.0128	0.0164	0.0185	0.0231	0.0280	0.0374	0.0516	0.0178	0.0214	0.0235	0.0281	0.0330	0.0424	0.0566			
\$9,000,000	0.0117	0.0156	0.0174	0.0217	0.0266	0.0356	0.0493	0.0107	0.0143	0.0160	0.0199	0.0244	0.0327	0.0452	0.0157	0.0193	0.0210	0.0249	0.0294	0.0377	0.0502			
\$10,000,000	0.0101	0.0137	0.0153	0.0192	0.0234	0.0316	0.0440	0.0093	0.0126	0.0140	0.0176	0.0215	0.0290	0.0404	0.0140	0.0176	0.0190	0.0226	0.0265	0.0340	0.0454			

* 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: 12/1/13

Excess Loss (Pure Premium) Factors with Adjustment for ALAE

Per Accident Limit	2013 Excess Loss Factors*							2012 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	0.821	0.836	0.836	0.848	0.856	0.870	0.886	0.806	0.825	0.832	0.838	0.850	0.869	0.878	1.9%	1.3%	0.5%	1.2%	0.7%	0.1%	0.9%
\$15,000	0.796	0.814	0.814	0.829	0.839	0.855	0.874	0.779	0.801	0.811	0.816	0.831	0.853	0.865	2.2%	1.6%	0.4%	1.6%	1.0%	0.2%	1.0%
\$20,000	0.776	0.794	0.796	0.811	0.823	0.842	0.862	0.756	0.782	0.791	0.798	0.816	0.840	0.854	2.6%	1.5%	0.6%	1.6%	0.9%	0.2%	0.9%
\$25,000	0.757	0.779	0.779	0.797	0.810	0.829	0.853	0.738	0.764	0.775	0.782	0.801	0.828	0.843	2.6%	2.0%	0.5%	1.9%	1.1%	0.1%	1.2%
\$30,000	0.739	0.764	0.766	0.783	0.797	0.819	0.844	0.720	0.747	0.760	0.768	0.788	0.817	0.832	2.6%	2.3%	0.8%	2.0%	1.1%	0.2%	1.4%
\$35,000	0.724	0.750	0.752	0.771	0.786	0.809	0.837	0.704	0.733	0.747	0.754	0.775	0.806	0.824	2.8%	2.3%	0.7%	2.3%	1.4%	0.4%	1.6%
\$40,000	0.709	0.737	0.739	0.760	0.775	0.799	0.829	0.689	0.720	0.733	0.743	0.764	0.796	0.815	2.9%	2.4%	0.8%	2.3%	1.4%	0.4%	1.7%
\$50,000	0.686	0.714	0.717	0.739	0.755	0.782	0.814	0.665	0.697	0.713	0.720	0.743	0.778	0.799	3.2%	2.4%	0.6%	2.6%	1.6%	0.5%	1.9%
\$75,000	0.637	0.669	0.673	0.695	0.715	0.744	0.779	0.613	0.649	0.666	0.676	0.701	0.740	0.763	3.9%	3.1%	1.1%	2.8%	2.0%	0.5%	2.1%
\$100,000	0.599	0.632	0.637	0.663	0.684	0.714	0.752	0.576	0.612	0.630	0.640	0.667	0.709	0.733	4.0%	3.3%	1.1%	3.6%	2.5%	0.7%	2.6%
\$125,000	0.566	0.601	0.608	0.633	0.655	0.688	0.727	0.543	0.581	0.600	0.610	0.637	0.682	0.708	4.2%	3.4%	1.3%	3.8%	2.8%	0.9%	2.7%
\$150,000	0.540	0.575	0.581	0.609	0.630	0.664	0.706	0.516	0.554	0.574	0.584	0.612	0.656	0.684	4.7%	3.8%	1.2%	4.3%	2.9%	1.2%	3.2%
\$175,000	0.515	0.551	0.559	0.585	0.609	0.643	0.686	0.491	0.530	0.550	0.561	0.590	0.634	0.663	4.9%	4.0%	1.6%	4.3%	3.2%	1.4%	3.5%
\$200,000	0.493	0.531	0.538	0.565	0.588	0.622	0.666	0.469	0.509	0.530	0.540	0.569	0.615	0.643	5.1%	4.3%	1.5%	4.6%	3.3%	1.1%	3.6%
\$225,000	0.473	0.510	0.519	0.546	0.570	0.605	0.650	0.448	0.487	0.509	0.520	0.550	0.598	0.626	5.6%	4.7%	2.0%	5.0%	3.6%	1.2%	3.8%
\$250,000	0.453	0.490	0.499	0.528	0.552	0.588	0.634	0.427	0.469	0.490	0.503	0.533	0.582	0.611	6.1%	4.5%	1.8%	5.0%	3.6%	1.0%	3.8%
\$275,000	0.433	0.472	0.482	0.512	0.537	0.573	0.619	0.408	0.450	0.473	0.486	0.516	0.565	0.595	6.1%	4.9%	1.9%	5.3%	4.1%	1.4%	4.0%
\$300,000	0.413	0.454	0.465	0.495	0.521	0.558	0.605	0.388	0.432	0.455	0.470	0.501	0.549	0.580	6.4%	5.1%	2.2%	5.3%	4.0%	1.6%	4.3%
\$325,000	0.395	0.436	0.448	0.479	0.506	0.544	0.591	0.371	0.413	0.438	0.453	0.485	0.535	0.565	6.5%	5.6%	2.3%	5.7%	4.3%	1.7%	4.6%
\$350,000	0.378	0.419	0.432	0.464	0.490	0.530	0.578	0.354	0.397	0.421	0.437	0.470	0.520	0.552	6.8%	5.5%	2.6%	6.2%	4.3%	1.9%	4.7%
\$375,000	0.362	0.403	0.416	0.449	0.476	0.516	0.565	0.338	0.382	0.406	0.421	0.455	0.506	0.539	7.1%	5.5%	2.5%	6.7%	4.6%	2.0%	4.8%
\$400,000	0.345	0.388	0.401	0.434	0.462	0.503	0.552	0.322	0.366	0.391	0.407	0.440	0.493	0.526	7.1%	6.0%	2.6%	6.6%	5.0%	2.0%	4.9%
\$425,000	0.331	0.373	0.387	0.419	0.449	0.489	0.540	0.307	0.352	0.377	0.393	0.427	0.479	0.513	7.8%	6.0%	2.7%	6.6%	5.2%	2.1%	5.3%
\$450,000	0.316	0.358	0.372	0.405	0.435	0.477	0.528	0.293	0.337	0.363	0.379	0.413	0.466	0.500	7.8%	6.2%	2.5%	6.9%	5.3%	2.4%	5.6%
\$475,000	0.302	0.346	0.358	0.392	0.422	0.465	0.516	0.279	0.323	0.350	0.365	0.401	0.454	0.487	8.2%	7.1%	2.3%	7.4%	5.2%	2.4%	6.0%
\$500,000	0.288	0.333	0.344	0.378	0.409	0.453	0.504	0.267	0.311	0.336	0.353	0.388	0.441	0.475	7.9%	7.1%	2.4%	7.1%	5.4%	2.7%	6.1%
\$600,000	0.243	0.283	0.299	0.332	0.363	0.407	0.461	0.223	0.266	0.292	0.306	0.343	0.397	0.432	9.0%	6.4%	2.4%	8.5%	5.8%	2.5%	6.7%
\$700,000	0.204	0.244	0.257	0.291	0.322	0.366	0.421	0.186	0.229	0.253	0.268	0.303	0.357	0.392	9.7%	6.6%	1.6%	8.6%	6.3%	2.5%	7.4%
\$800,000	0.173	0.211	0.224	0.255	0.287	0.331	0.386	0.159	0.197	0.220	0.235	0.267	0.322	0.359	8.8%	7.1%	1.8%	8.5%	7.5%	2.8%	7.5%
\$900,000	0.147	0.183	0.195	0.227	0.255	0.299	0.354	0.135	0.171	0.194	0.206	0.239	0.292	0.326	8.9%	7.0%	0.5%	10.2%	6.7%	2.4%	8.6%
\$1,000,000	0.1266	0.1603	0.1716	0.2006	0.2288	0.2708	0.3257	0.1152	0.1507	0.1714	0.1828	0.2135	0.2661	0.3005	9.9%	6.4%	0.1%	9.7%	7.2%	1.8%	8.4%
\$2,000,000	0.0644	0.0821	0.0888	0.1071	0.1252	0.1570	0.1981	0.0583	0.0769	0.0885	0.0978	0.1172	0.1557	0.1844	10.5%	6.8%	0.3%	9.5%	6.8%	0.8%	7.4%
\$3,000,000	0.0438	0.0552	0.0600	0.0725	0.0852	0.1097	0.1422	0.0395	0.0518	0.0601	0.0670	0.0813	0.1110	0.1362	10.9%	6.6%	-0.2%	8.2%	4.8%	-1.2%	4.4%
\$4,000,000	0.0333	0.0413	0.0450	0.0547	0.0645	0.0834	0.1102	0.0300	0.0391	0.0453	0.0512	0.0625	0.0862	0.1078	11.0%	5.6%	-0.7%	6.8%	3.2%	-3.2%	2.2%
\$5,000,000	0.0267	0.0337	0.0365	0.0441	0.0520	0.0672	0.0893	0.0246	0.0318	0.0365	0.0414	0.0507	0.0703	0.0889	8.5%	6.0%	0.0%	6.5%	2.6%	-4.4%	0.4%
\$6,000,000	0.0226	0.0281	0.0308	0.0371	0.0433	0.0563	0.0749	0.0210	0.0269	0.0306	0.0346	0.0427	0.0593	0.0756	7.6%	4.5%	0.7%	7.2%	1.4%	-5.1%	-0.9%
\$7,000,000	0.0200	0.0245	0.0263	0.0318	0.0375	0.0483	0.0646	0.0182	0.0230	0.0268	0.0301	0.0367	0.0512	0.0656	9.9%	6.5%	-1.9%	5.6%	2.2%	-5.7%	-1.5%
\$8,000,000	0.0178	0.0214	0.0235	0.0281	0.0330	0.0424	0.0566	0.0162	0.0207	0.0237	0.0265	0.0324	0.0453	0.0582	9.9%	3.4%	-0.8%	6.0%	1.9%	-6.4%	-2.7%
\$9,000,000	0.0157	0.0193	0.0210	0.0249	0.0294	0.0377	0.0502	0.0147	0.0185	0.0211	0.0237	0.0290	0.0402	0.0520	6.8%	4.3%	-0.5%	5.1%	1.4%	-6.2%	-3.5%
\$10,000,000	0.0140	0.0176	0.0190	0.0226	0.0265	0.0340	0.0454	0.0132	0.0170	0.0193	0.0216	0.0265	0.0363	0.0470	6.1%	3.5%	-1.6%	4.6%	0.0%	-6.3%	-3.4%

* Adjusted