

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	0.9174	1.09004	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	0.889	0.906	0.906	0.919	0.929	0.943	0.960	0.816	0.831	0.831	0.843	0.852	0.865	0.881	0.821	0.836	0.836	0.848	0.857	0.870	0.886
\$15,000	0.862	0.884	0.883	0.899	0.909	0.928	0.947	0.791	0.811	0.810	0.825	0.834	0.851	0.869	0.796	0.816	0.815	0.830	0.839	0.856	0.874
\$20,000	0.839	0.862	0.864	0.880	0.892	0.913	0.935	0.770	0.791	0.793	0.807	0.818	0.838	0.858	0.775	0.796	0.798	0.812	0.823	0.843	0.863
\$25,000	0.819	0.845	0.846	0.864	0.878	0.899	0.924	0.751	0.775	0.776	0.793	0.805	0.825	0.848	0.756	0.780	0.781	0.798	0.810	0.830	0.853
\$30,000	0.801	0.828	0.830	0.848	0.863	0.888	0.915	0.735	0.760	0.761	0.778	0.792	0.815	0.839	0.740	0.765	0.766	0.783	0.797	0.820	0.844
\$35,000	0.784	0.813	0.816	0.836	0.853	0.877	0.906	0.719	0.746	0.749	0.767	0.783	0.805	0.831	0.724	0.751	0.754	0.772	0.788	0.810	0.836
\$40,000	0.768	0.799	0.802	0.823	0.840	0.866	0.898	0.705	0.733	0.736	0.755	0.771	0.794	0.824	0.710	0.738	0.741	0.760	0.776	0.799	0.829
\$50,000	0.742	0.775	0.778	0.801	0.819	0.848	0.882	0.681	0.711	0.714	0.735	0.751	0.778	0.809	0.686	0.716	0.719	0.740	0.756	0.783	0.814
\$75,000	0.689	0.725	0.730	0.755	0.776	0.807	0.844	0.632	0.665	0.670	0.693	0.712	0.740	0.774	0.637	0.670	0.675	0.698	0.717	0.745	0.779
\$100,000	0.647	0.685	0.692	0.718	0.740	0.774	0.815	0.594	0.628	0.635	0.659	0.679	0.710	0.748	0.599	0.633	0.640	0.664	0.684	0.715	0.753
\$125,000	0.613	0.653	0.658	0.685	0.710	0.745	0.788	0.562	0.599	0.604	0.628	0.651	0.683	0.723	0.567	0.604	0.609	0.633	0.656	0.688	0.728
\$150,000	0.584	0.622	0.629	0.659	0.683	0.721	0.765	0.536	0.571	0.577	0.605	0.627	0.661	0.702	0.541	0.576	0.582	0.610	0.632	0.666	0.707
\$175,000	0.557	0.597	0.605	0.634	0.660	0.696	0.743	0.511	0.548	0.555	0.582	0.605	0.639	0.682	0.516	0.553	0.560	0.587	0.610	0.644	0.687
\$200,000	0.532	0.574	0.583	0.613	0.637	0.674	0.723	0.488	0.527	0.535	0.562	0.584	0.618	0.663	0.493	0.532	0.540	0.567	0.589	0.623	0.668
\$225,000	0.510	0.552	0.563	0.592	0.617	0.656	0.704	0.468	0.506	0.516	0.543	0.566	0.602	0.646	0.473	0.511	0.521	0.548	0.571	0.607	0.651
\$250,000	0.489	0.531	0.542	0.572	0.599	0.638	0.687	0.449	0.487	0.497	0.525	0.550	0.585	0.630	0.454	0.492	0.502	0.530	0.555	0.590	0.635
\$275,000	0.468	0.511	0.522	0.554	0.581	0.621	0.671	0.429	0.469	0.479	0.508	0.533	0.570	0.616	0.434	0.474	0.484	0.513	0.538	0.575	0.621
\$300,000	0.446	0.493	0.504	0.536	0.564	0.605	0.651	0.409	0.452	0.462	0.492	0.517	0.555	0.603	0.414	0.457	0.467	0.497	0.522	0.560	0.608
\$325,000	0.427	0.473	0.486	0.519	0.547	0.590	0.641	0.392	0.434	0.446	0.476	0.502	0.541	0.588	0.397	0.439	0.451	0.481	0.507	0.546	0.593
\$350,000	0.408	0.455	0.469	0.502	0.531	0.573	0.627	0.374	0.417	0.430	0.461	0.487	0.526	0.575	0.379	0.422	0.435	0.466	0.492	0.531	0.580
\$375,000	0.391	0.437	0.451	0.487	0.517	0.560	0.612	0.359	0.401	0.414	0.447	0.474	0.514	0.561	0.364	0.406	0.419	0.452	0.479	0.519	0.566
\$400,000	0.372	0.420	0.435	0.470	0.502	0.545	0.599	0.341	0.385	0.399	0.431	0.461	0.500	0.550	0.346	0.390	0.404	0.436	0.466	0.505	0.555
\$425,000	0.356	0.404	0.418	0.455	0.486	0.532	0.584	0.327	0.371	0.383	0.417	0.446	0.488	0.536	0.332	0.376	0.388	0.422	0.451	0.493	0.541
\$450,000	0.341	0.387	0.403	0.438	0.472	0.516	0.573	0.313	0.355	0.370	0.402	0.433	0.473	0.526	0.318	0.360	0.375	0.407	0.438	0.478	0.531
\$475,000	0.325	0.372	0.389	0.425	0.457	0.503	0.559	0.298	0.341	0.357	0.390	0.419	0.461	0.513	0.303	0.346	0.362	0.395	0.424	0.466	0.518
\$500,000	0.311	0.359	0.373	0.410	0.443	0.489	0.547	0.285	0.329	0.342	0.376	0.406	0.449	0.502	0.290	0.334	0.347	0.381	0.411	0.454	0.507
\$600,000	0.260	0.305	0.323	0.359	0.393	0.440	0.498	0.239	0.280	0.296	0.329	0.361	0.404	0.457	0.244	0.285	0.301	0.334	0.366	0.409	0.462
\$700,000	0.219	0.262	0.277	0.315	0.348	0.395	0.456	0.201	0.240	0.254	0.289	0.319	0.362	0.418	0.206	0.245	0.259	0.294	0.324	0.367	0.423
\$800,000	0.185	0.226	0.240	0.276	0.310	0.357	0.418	0.170	0.207	0.220	0.253	0.284	0.328	0.383	0.175	0.212	0.225	0.258	0.289	0.333	0.388
\$900,000	0.156	0.196	0.210	0.243	0.276	0.323	0.383	0.143	0.180	0.193	0.223	0.253	0.296	0.351	0.148	0.185	0.198	0.228	0.258	0.301	0.356
\$1,000,000	0.1338	0.1711	0.1835	0.2149	0.2458	0.2921	0.3520	0.1227	0.1570	0.1683	0.1971	0.2255	0.2680	0.3229	0.1277	0.1620	0.1733	0.2021	0.2305	0.2730	0.3279
\$2,000,000	0.0653	0.0849	0.0923	0.1122	0.1320	0.1671	0.2119	0.0599	0.0779	0.0847	0.1029	0.1211	0.1533	0.1944	0.0649	0.0829	0.0897	0.1079	0.1261	0.1583	0.1994
\$3,000,000	0.0427	0.0553	0.0606	0.0741	0.0880	0.1151	0.1507	0.0392	0.0507	0.0556	0.0680	0.0807	0.1056	0.1383	0.0442	0.0557	0.0606	0.0730	0.0857	0.1106	0.1433
\$4,000,000	0.0312	0.0400	0.0440	0.0546	0.0654	0.0862	0.1155	0.0286	0.0367	0.0404	0.0501	0.0600	0.0791	0.1060	0.0336	0.0417	0.0454	0.0551	0.0650	0.0841	0.1110
\$5,000,000	0.0240	0.0317	0.0347	0.0430	0.0516	0.0684	0.0926	0.0220	0.0291	0.0318	0.0394	0.0473	0.0628	0.0850	0.0270	0.0341	0.0368	0.0444	0.0523	0.0678	0.0900
\$6,000,000	0.0194	0.0255	0.0284	0.0352	0.0420	0.0564	0.0767	0.0178	0.0234	0.0261	0.0323	0.0385	0.0517	0.0704	0.0228	0.0284	0.0311	0.0373	0.0435	0.0567	0.0754
\$7,000,000	0.0165	0.0216	0.0235	0.0294	0.0356	0.0476	0.0655	0.0151	0.0198	0.0216	0.0270	0.0327	0.0437	0.0601	0.0201	0.0248	0.0266	0.0320	0.0377	0.0487	0.0651
\$8,000,000	0.0140	0.0181	0.0204	0.0254	0.0307	0.0412	0.0567	0.0128	0.0166	0.0187	0.0233	0.0282	0.0378	0.0520	0.0178	0.0216	0.0237	0.0283	0.0332	0.0428	0.0570
\$9,000,000	0.0118	0.0157	0.0176	0.0219	0.0268	0.0359	0.0496	0.0108	0.0144	0.0161	0.0201	0.0246	0.0329	0.0455	0.0158	0.0194	0.0211	0.0251	0.0296	0.0379	0.0505
\$10,000,000	0.0102	0.0139	0.0154	0.0193	0.0236	0.0318	0.0444	0.0094	0.0128	0.0141	0.0177	0.0217	0.0292	0.0407	0.0141	0.0178	0.0191	0.0227	0.0267	0.0342	0.0457

* 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	0.857	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%	0.8%	0.1%	0.9%
\$15,000	0.796	0.816	0.815	0.830	0.839	0.856	0.874	0.779	0.801	0.811	0.816	0.831	0.853	0.865	2.2%	1.9%	0.5%	1.7%	1.0%	0.4%	1.0%
\$20,000	0.775	0.796	0.798	0.812	0.823	0.843	0.863	0.756	0.782	0.791	0.798	0.816	0.840	0.854	2.5%	1.8%	0.9%	1.8%	0.9%	0.4%	1.1%
\$25,000	0.756	0.780	0.781	0.798	0.810	0.831	0.853	0.738	0.764	0.775	0.782	0.801	0.828	0.843	2.4%	2.1%	0.8%	2.0%	1.1%	0.3%	1.2%
\$30,000	0.740	0.765	0.766	0.783	0.797	0.820	0.844	0.720	0.747	0.760	0.768	0.788	0.817	0.832	2.8%	2.4%	0.8%	2.0%	1.1%	0.4%	1.4%
\$35,000	0.724	0.751	0.754	0.771	0.787	0.810	0.837	0.704	0.733	0.747	0.754	0.775	0.806	0.824	2.8%	2.5%	0.9%	2.3%	1.5%	0.4%	1.5%
\$40,000	0.710	0.738	0.741	0.760	0.776	0.799	0.829	0.689	0.720	0.733	0.743	0.764	0.796	0.815	3.0%	2.5%	1.1%	2.3%	1.6%	0.4%	1.7%
\$50,000	0.686	0.716	0.719	0.740	0.756	0.783	0.814	0.665	0.697	0.713	0.720	0.743	0.778	0.799	3.2%	2.7%	0.8%	2.8%	1.7%	0.6%	1.9%
\$75,000	0.637	0.670	0.675	0.698	0.717	0.745	0.779	0.613	0.649	0.666	0.676	0.701	0.740	0.763	3.9%	3.2%	1.4%	3.3%	2.3%	0.7%	2.1%
\$100,000	0.599	0.633	0.640	0.664	0.684	0.715	0.753	0.576	0.612	0.630	0.640	0.667	0.709	0.733	4.0%	3.4%	1.6%	3.8%	2.5%	0.8%	2.7%
\$125,000	0.567	0.604	0.609	0.633	0.656	0.688	0.728	0.543	0.581	0.600	0.610	0.637	0.682	0.708	4.4%	4.0%	1.5%	3.8%	3.0%	0.9%	2.8%
\$150,000	0.541	0.576	0.582	0.610	0.632	0.666	0.707	0.516	0.554	0.574	0.584	0.612	0.656	0.684	4.8%	4.0%	1.4%	4.5%	3.3%	1.5%	3.4%
\$175,000	0.516	0.553	0.560	0.587	0.610	0.644	0.687	0.491	0.530	0.550	0.561	0.590	0.634	0.663	5.1%	4.3%	1.8%	4.6%	3.4%	1.6%	3.6%
\$200,000	0.493	0.532	0.540	0.567	0.589	0.623	0.668	0.469	0.509	0.530	0.540	0.569	0.615	0.643	5.1%	4.5%	1.9%	5.0%	3.5%	1.3%	3.9%
\$225,000	0.473	0.511	0.521	0.548	0.571	0.607	0.651	0.448	0.487	0.509	0.520	0.550	0.598	0.626	5.6%	4.9%	2.4%	5.4%	3.8%	1.4%	4.0%
\$250,000	0.454	0.492	0.502	0.530	0.555	0.590	0.635	0.427	0.469	0.490	0.503	0.533	0.582	0.611	6.2%	4.9%	2.4%	5.4%	4.0%	1.4%	3.9%
\$275,000	0.434	0.474	0.484	0.513	0.538	0.575	0.621	0.408	0.450	0.473	0.486	0.516	0.565	0.595	6.4%	5.3%	2.3%	5.6%	4.3%	1.8%	4.4%
\$300,000	0.416	0.457	0.467	0.497	0.522	0.560	0.607	0.388	0.432	0.455	0.470	0.501	0.549	0.580	7.1%	5.7%	2.6%	5.7%	4.2%	2.0%	4.7%
\$325,000	0.397	0.439	0.451	0.481	0.507	0.546	0.593	0.371	0.413	0.438	0.453	0.485	0.535	0.565	7.0%	6.3%	3.0%	6.2%	4.5%	2.0%	5.0%
\$350,000	0.379	0.422	0.435	0.466	0.492	0.531	0.580	0.354	0.397	0.421	0.437	0.470	0.520	0.552	7.1%	6.3%	3.3%	6.6%	4.7%	2.1%	5.0%
\$375,000	0.363	0.406	0.419	0.451	0.478	0.518	0.566	0.338	0.382	0.406	0.421	0.455	0.506	0.539	7.2%	6.3%	3.2%	7.1%	5.1%	2.3%	5.0%
\$400,000	0.346	0.390	0.404	0.436	0.465	0.504	0.554	0.322	0.366	0.391	0.407	0.440	0.493	0.526	7.5%	6.6%	3.2%	7.1%	5.6%	2.2%	5.2%
\$425,000	0.332	0.375	0.388	0.422	0.451	0.491	0.541	0.307	0.352	0.377	0.393	0.427	0.479	0.513	8.1%	6.5%	2.9%	7.3%	5.6%	2.5%	5.5%
\$450,000	0.318	0.360	0.374	0.407	0.438	0.478	0.530	0.293	0.337	0.363	0.379	0.413	0.466	0.500	8.5%	6.8%	3.0%	7.4%	5.9%	2.6%	5.9%
\$475,000	0.304	0.346	0.361	0.394	0.424	0.466	0.518	0.279	0.323	0.350	0.365	0.401	0.454	0.487	9.0%	7.1%	3.0%	7.9%	5.7%	2.6%	6.4%
\$500,000	0.290	0.333	0.347	0.381	0.411	0.454	0.507	0.267	0.311	0.336	0.353	0.388	0.441	0.475	8.6%	7.1%	3.3%	7.9%	5.9%	2.9%	6.7%
\$600,000	0.244	0.285	0.301	0.334	0.366	0.409	0.462	0.223	0.266	0.292	0.306	0.343	0.397	0.432	9.4%	7.1%	3.1%	9.2%	6.7%	3.0%	6.9%
\$700,000	0.206	0.245	0.259	0.294	0.324	0.367	0.423	0.186	0.229	0.253	0.268	0.303	0.357	0.392	10.8%	7.0%	2.4%	9.7%	6.9%	2.8%	7.9%
\$800,000	0.175	0.212	0.225	0.258	0.289	0.333	0.388	0.159	0.197	0.220	0.235	0.267	0.322	0.359	10.1%	7.6%	2.3%	9.8%	8.2%	3.4%	8.1%
\$900,000	0.148	0.185	0.198	0.228	0.258	0.301	0.356	0.135	0.171	0.194	0.206	0.239	0.292	0.326	9.6%	8.2%	2.1%	10.7%	7.9%	3.1%	9.2%
\$1,000,000	0.1277	0.1620	0.1733	0.2021	0.2305	0.2730	0.3279	0.1152	0.1507	0.1714	0.1828	0.2135	0.2661	0.3005	10.9%	7.5%	1.1%	10.6%	8.0%	2.6%	9.1%
\$2,000,000	0.0649	0.0829	0.0897	0.1079	0.1261	0.1583	0.1994	0.0583	0.0769	0.0885	0.0978	0.1172	0.1557	0.1844	11.3%	7.8%	1.4%	10.3%	7.6%	1.7%	8.1%
\$3,000,000	0.0442	0.0557	0.0606	0.0730	0.0857	0.1106	0.1433	0.0395	0.0518	0.0601	0.0670	0.0813	0.1110	0.1362	11.9%	7.5%	0.8%	9.0%	5.4%	-0.4%	5.2%
\$4,000,000	0.0336	0.0417	0.0454	0.0551	0.0650	0.0841	0.1110	0.0300	0.0391	0.0453	0.0512	0.0625	0.0862	0.1078	12.0%	6.6%	0.2%	7.6%	4.0%	-2.4%	3.0%
\$5,000,000	0.0270	0.0341	0.0368	0.0444	0.0523	0.0678	0.0900	0.0246	0.0318	0.0365	0.0414	0.0507	0.0703	0.0889	9.8%	7.2%	0.8%	7.2%	3.2%	-3.6%	1.2%
\$6,000,000	0.0228	0.0284	0.0311	0.0373	0.0435	0.0567	0.0754	0.0210	0.0269	0.0306	0.0346	0.0427	0.0593	0.0756	8.6%	5.6%	1.6%	7.8%	1.9%	-4.4%	-0.3%
\$7,000,000	0.0201	0.0248	0.0266	0.0320	0.0377	0.0487	0.0651	0.0182	0.0230	0.0268	0.0301	0.0367	0.0512	0.0656	10.4%	7.8%	-0.7%	6.3%	2.7%	-4.9%	-0.8%
\$8,000,000	0.0178	0.0216	0.0237	0.0283	0.0332	0.0428	0.0570	0.0162	0.0207	0.0237	0.0265	0.0324	0.0453	0.0582	9.9%	4.3%	0.0%	6.8%	2.5%	-5.5%	-2.1%
\$9,000,000	0.0158	0.0194	0.0211	0.0251	0.0296	0.0379	0.0505	0.0147	0.0185	0.0211	0.0237	0.0290	0.0402	0.0520	7.5%	4.9%	0.0%	5.9%	2.1%	-5.7%	-2.9%
\$10,000,000	0.0141	0.0178	0.0191	0.0227	0.0267	0.0342	0.0457	0.0132	0.0170	0.0193	0.0216	0.0265	0.0363	0.0470	6.8%	4.7%	-1.0%	5.1%	0.8%	-5.8%	-2.8%

* Adjusted