

DELAWARE COMPENSATION RATING BUREAU, INC.

Small Deductible Program

The attached exhibits review the impact of deductibles on loss costs and residual market manual rates. Staff has proposed nominal changes to the loss elimination ratios and premium credit factors currently in effect.

2024 DELAWARE DEDUCTIBLE STUDY

Proposed Effective Date 12/1/24

Deduct. Level	Effect of Deductible on Losses	Selected	Loss Elimination Ratio	Current Loss Elimination Ratio
		(12)	(13)	(14)
500	0.9784	0.979	0.021	0.019
1,000	0.9631	0.964	0.036	0.034
1,500	0.9511	0.953	0.047	0.045
2,000	0.9411	0.943	0.057	0.055
2,500	0.9324	0.934	0.066	0.063
3,000	0.9246	0.926	0.074	0.071
3,500	0.9175	0.919	0.081	0.078
4,000	0.9109	0.913	0.087	0.084
4,500	0.9048	0.907	0.093	0.090
5,000	0.8992	0.901	0.099	0.096

Deduct. Level	Effect of Deductible on Man.Rate	Selected	Premium Credit	Current Premium Credit
		(15)	(16)	(17)
500	0.9844	0.985	0.015	0.014
1,000	0.9734	0.974	0.026	0.025
1,500	0.9648	0.966	0.034	0.033
2,000	0.9576	0.959	0.041	0.040
2,500	0.9513	0.952	0.048	0.046
3,000	0.9457	0.947	0.053	0.052
3,500	0.9406	0.942	0.058	0.057
4,000	0.9358	0.937	0.063	0.062
4,500	0.9314	0.933	0.067	0.066
5,000	0.9274	0.929	0.071	0.070

2024 DELAWARE DEDUCTIBLE STUDY

Loss Range	Total Incurred Losses (1)	Adj Factor (2) a	Adj Factor (3) b	Adjusted Losses (1)*(2)*(3) (4)
0 - 499	3,027,265	1.000	0.9996	3,026,054
500 - 999	4,297,949	0.995	0.9996	4,274,749
1,000 - 1,499	3,652,832	0.990	0.9996	3,614,857
1,500 - 1,999	3,253,937	0.985	0.9996	3,203,846
2,000 - 2,499	2,967,386	0.980	0.9996	2,906,875
2,500 - 2,999	2,630,087	0.975	0.9996	2,563,309
3,000 - 3,499	2,315,719	0.970	0.9996	2,245,349
3,500 - 3,999	2,262,539	0.965	0.9996	2,182,477
4,000 - 4,499	2,224,002	0.960	0.9996	2,134,188
4,500 - 4,999	2,066,900	0.955	0.9996	1,973,100
5,000 - & UP	329,294,153	0.950	0.9996	312,704,314

Deduct. Level (5)	# Claims >= Deduct Level (6)	Adj Losses < Deduct. Level (7) c	[(2)*(3)* (5)*(6)] (8)	Adj Tot Ded Collected (7)+(8) (9)
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500	23,137	3,026,054	11,506,053	14,532,107
1,000	17,135	7,300,803	16,956,865	24,257,668
1,500	14,161	10,915,660	20,914,508	31,830,168
2,000	12,283	14,119,506	24,065,050	38,184,556
2,500	10,956	17,026,381	26,694,568	43,720,949
3,000	9,994	19,589,690	29,070,907	48,660,597
3,500	9,280	21,835,039	31,330,663	53,165,702
4,000	8,675	24,017,516	33,298,675	57,316,191
4,500	8,151	26,151,704	35,014,911	61,166,615
5,000	7,715	28,124,804	36,631,592	64,756,396

Deduct. Level (5)	Effect of Deductible on Losses (10) d	Effect of Deductible on Manual Rate (11) e
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500	0.9784	0.9844
1,000	0.9631	0.9734
1,500	0.9511	0.9648
2,000	0.9411	0.9576
2,500	0.9324	0.9513
3,000	0.9246	0.9457
3,500	0.9175	0.9406
4,000	0.9109	0.9358
4,500	0.9048	0.9314
5,000	0.8992	0.9274

2024 DELAWARE DEDUCTIBLE STUDY

- a Adjustment factor for the amount of the deductible which will actually be reimbursed to the insurer by the insured.
- b Adjustment factor to put deductibles on a per occurrence basis instead of a per claim basis = 0.9996

c Downward accumulation of Column (4).

- d Effect of deductible on Losses

$$= [A/B - \text{Col}(9) + P * C * \text{Col}(3)] / (A/B)$$

A = Total incurred indemnity on death claims plus total incurred medical on all claims =
 sum of Column (4) = 340,829,118

B = Death indemnity losses plus all medical losses as a % of all losses = 0.538
 Per Table II 2024 , Sect C

1.All Losses	623,666,910
2.Death Indem (00)	158,439
3.All Medical (00)	3,195,577
4.[((2)+(3))/(1)] * 100	0.538

C = # of death indemnity claims plus # of claims with some medical portion = 35,004

P = Processing expense per claim = 25.00

- e Effect of deductible on Manual Rate

$$= [(\text{Column (10)} * \text{permissible loss ratio}) + \text{fixed expenses}] / (1 - \text{variable expenses})$$

Fixed expenses = LAE + General + Admin
 = 0.2289

Variable expenses = Acquisition + P&C + Prem Tax + Workers' Comp. Fund + Misc. Tax + Prem Discount + Uncollectible Premium = 0.1812

Permissible Loss Ratio = 0.5899