

Monte Carlo (Modeler)

Time period of projection: 10/1/2018 - 9/30/2019

Number of Employees: 1641

Number of members (estimated): 3446

Number of Claims Exceeding Specific Deductible

Carrier Options	Renewal					
	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)
Deductible Level	\$300,000	\$350,000	\$300,000	\$350,000	\$300,000	\$350,000
Average	3.9	2.9	3.9	2.9	3.9	2.9
Minimum Based on Simulations	0.0	0.0	0.0	0.0	0.0	0.0
25th Percentile	2.0	2.0	2.0	2.0	2.0	2.0
75th Percentile	5.0	4.0	5.0	4.0	5.0	4.0
Maximum Based on Simulations	14.0	10.0	14.0	10.0	14.0	10.0

Total Dollar Amount of Claims Exceeding Specific Deductible

Carrier Options	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)
Deductible Level	\$300,000	\$350,000	\$300,000	\$350,000	\$300,000	\$350,000
Average	\$746,051	\$590,044	\$789,776	\$629,540	\$702,013	\$551,101
Minimum Based on Simulations	\$0	\$0	\$0	\$0	\$0	\$0
25th Percentile	\$166,750	\$36,000	\$215,500	\$84,750	\$115,500	\$0
75th Percentile	\$1,029,875	\$826,250	\$1,078,625	\$875,000	\$978,625	\$775,000
Maximum Based on Simulations	\$9,421,250	\$9,135,750	\$9,470,000	\$9,184,500	\$9,370,000	\$9,084,500

What is the plan's expected cost under the various options?

Carrier Options	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)	Florida Blue (HM)
Deductible Level	\$300,000	\$350,000	\$300,000	\$350,000	\$300,000	\$350,000
Total Expected Claims (Paid by Plan after specific and aggregate)	\$18,706,377	\$18,852,339	\$18,652,702	\$18,812,842	\$18,740,465	\$18,891,281
Specific Premium	\$555,117	\$449,175	\$593,517	\$478,713	\$520,656	\$418,652
Aggregate Premium	\$32,098	\$33,083	\$32,098	\$33,083	\$32,098	\$33,083
Total Expected Cost (Expected Claims + Stop Loss Premium)	\$19,293,592	\$19,334,596	\$19,278,317	\$19,324,637	\$19,293,220	\$19,343,016
% of simulations this option "wins" when all contract options considered	0.0%	0.0%	65.1%	14.4%	0.0%	20.4%
% of simulations this option "wins" when compared to the renewal	0.0%	32.8%	100.0%	35.4%	14.6%	25.7%