

UNDERWRITING RISK

Experience Fluctuation Risk

		1	2	3	4	5	(6)	(7)
	Line of Business	Comprehensive Medical	Medicare Supplement	Dental & Vision	Stand-Alone Medicare Part D Coverage	Other Health	Other Non-Health	Total
(1)	† Premium							0
(2)	† Title XVIII-Medicare		XXX	XXX	XXX	XXX	XXX	0
(3)	† Title XIX-Medicaid		XXX	XXX	XXX	XXX	XXX	0
(4)	† Other Health Risk Revenue		XXX				XXX	0
(5)	Medicaid Pass-Through Payments Reported as Premiums		XXX	XXX	XXX	XXX	XXX	0
(6)	Underwriting Risk Revenue = Lines (1) + (2) + (3) + (4) - (5)	0	0	0	0	0	0	0
(7)	† Net Incurred Claims						XXX	0
(8)	Medicaid Pass-Through Payments Reported as Claims		XXX	XXX	XXX	XXX	XXX	0
(9)	Total Net Incurred Claims Less Medicaid Pass-Through Payments Reported as Claims = Lines (7) - (8)	0	0	0	0	0	XXX	0
(10)	† Fee-For-Service Offset		XXX				XXX	0
(11)	Underwriting Risk Incurred Claims = Lines (9) - (10)	0	0	0	0	0	XXX	0
(12)	Underwriting Risk Claims Ratio = For Column (1) through (5), Lines (11)/(6)	0.0000	0.0000	0.0000	0.000	0.000	1.000	XXX
(13)	Underwriting Risk Factor*	0.1493	0.1043	0.1195	0.251	0.130	0.130	XXX
(14)	Base Underwriting Risk RBC = Lines (6) x (12) x (13)	0	0	0	0	0	0	0
(15)	Managed Care Discount Factor	1.0000	1.0000	1.0000	1.000	1.000	XXX	XXX
(16)	RBC After Managed Care Discount = Lines (14) x (15)	0	0	0	0	0	XXX	0
(17)	† Maximum Per-Individual Risk after Reinsurance						XXX	XXX
(18)	Alternate Risk Charge **	0	0	0	0	0	XXX	XXX
(19)	Alternate Risk Adjustment	0	0	0	0	0	XXX	XXX
(20)	Net Alternate Risk Charge***	0	0	0	0	0	XXX	0
(21)	Net Underwriting Risk RBC (MAX{Line (16), Line (20)}) for Columns (1) through (5), Column (6), Line (14)	0	0	0	0	0	0	0

TIERED RBC FACTORS *						
	Comprehensive Medical	Medicare Supplement	Dental & Vision	Stand-Alone Medicare Part D Coverage	Other Health	Other Non-Health
\$0 - \$3 Million	0.1493	0.1043	0.1195	0.251	0.130	0.130
\$3 - \$25 Million	0.1493	0.0663	0.0755	0.251	0.130	0.130
Over \$25 Million	0.0893	0.0663	0.0755	0.151	0.130	0.130
ALTERNATE RISK CHARGE**						
**The Line (18) Alternate Risk Charge is calculated as follows:						
LESSER OF:	1,500,000 or 2 x Maximum Individual Risk	50,000 or 2 x Maximum Individual Risk	50,000 or 2 x Maximum Individual Risk	150,000 or 6 x Maximum Individual Risk	50,000 or 2 x Maximum Individual Risk	N/A

† The Annual Statement Sources are found on page XR014

* This column is for a single result for the Comprehensive Medical & Hospital, Medicare Supplement and Dental/Vision managed care discount factor.

*** Limited to the largest of the applicable alternate risk adjustments, prorated if necessary.

Table 1.2 - XR013 UNDERWRITING RISK - RECOMMENDED TEMPLATE

Experience Fluctuation Risk

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Line of Business	Comprehensive Individual	Comprehensive Group	Medicare Supplement	Vision Only	Dental Only	Title XVIII- Medicare	Title XIX- Medicaid	Stand-Alone Medicare Part D Coverage	Other Health	Other Non-Health	Total
(1)	† Premium											0
(2)	† Other Health Risk Revenue											0
(3)	Medicaid Pass-Through Payments Reported as Premiums	XXX	XXX	XXX	XXX	XXX	XXX		XXX	XXX	XXX	0
(4)	Underwriting Risk Revenue = Lines (1) + (2) - (3)	0	0	0	0	0	0	0	0	0	0	0
(5)	† Net Incurred Claims											0
(6)	Medicaid Pass-Through Payments Reported as Claims	XXX	XXX	XXX	XXX	XXX	XXX		XXX	XXX	XXX	0
(7)	† Fee-For-Service Offset											0
(8)	Underwriting Risk Incurred Claims = Lines (5) - (6) - (7)	0	0	0	0	0	0	0	0	0	0	0
(9)	Underwriting Risk Claims Ratio = Lines (8)/(4)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	XXX
(10.1)	Underwriting Risk Factor for Initial Amounts Of Premium†											
(10.2)	Underwriting Risk Factor for Excess of Initial Amount†											
(10.3)	Composite Underwriting Risk Factor	0.1493	0.1493	0.1493	0.1493	0.1493	0.1493	0.1493	0.1493	0.1493	0.1493	XXX
(11)	Base Underwriting Risk RBC = Lines (4) x (9) x (10.3)	0	0	0	0	0	0	0	0	0	0	0
(12)	Managed Care Discount Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	XXX	XXX
(13)	RBC After Managed Care Discount = Lines (11) x (12)	0	0	0	0	0	0	0	0	0	XXX	0
(14)	Alternate Risk Charge **	0	0	0	0	0	0	0	0	0	XXX	XXX
(15)	Net Underwriting Risk RBC (MAX[Line (13), Line (14)])	0	0	0	0	0	0	0	0	0	0	0

† The Annual Statement Sources are found on page XR014

* This column is for a single result for the Comprehensive Medical & Hospital, Medicare Supplement and Dental/Vision managed care discount factor.

*** Limited to the largest of the applicable alternate risk adjustments, prorated if necessary.

‡ For Comprehensive Medical the Initial Premium Amount is \$25,000,000 or the amount in Line (1.3) if smaller. For Medicare Supplement and Dental & Vision the Initial Premium Amount is \$3,000,000 or the amount in Line (1.3) if smaller. For Stand-Alone Medicare Part D the Initial Premium Amount is \$25,000,000 or the amount in Line (1.3) if smaller.

(13) Base RBC After Managed Care Discount = Line (11) x Line (12)
 (14) Alternate Risk Charge
 (15) Net Underwriting Risk RBC (Maximum of Line (13) or Line (14))

Table 1.3 - Health Premiums - LR019 Changes

HEALTH PREMIUMS PR019/LR019

		(1)		(2)		
		Statement		RBC		
		Value		Requirement		
<u>Medical Insurance Premiums</u>						
(1)	Comprehensive Individual	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	†	XXX	• Comprehensive Individual
(2)	Comprehensive Group	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	†	XXX	• Comprehensive Group
(3)	Medicare Supplement	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	†	XXX	• Medicare Supplement
(4)	Vision Only	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	†	XXX	• Vision Only
(5)	Dental Only	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	†	XXX	• Dental Only
(6)	Title XVIII-Medicare	Earned Premium (Schedule H Part 1 Line 2 in part)		†	XXX	• Medicare
(7)	Title XIX-Medicaid	Earned Premium (Schedule H Part 1 Line 2 in part)		†	XXX	• Medicaid
(8)	Medicaid Pass-Through Payments Reported as Premium	Company Records	\$0	†	XXX	
(9)	Stand-Alone Medicare Part D Coverage	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	†	XXX	• Stand-Alone Medicare Part D
(10)	Supplemental benefits within Stand-Alone Part D Coverage (Claims Incurred)	Company Records	\$0	X	0.500 =	\$0
(11)	Hospital Indemnity and Specified Disease	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	X	* =	\$0
(12)	AD&D (Maximum Retained Risk Per Life	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	X	‡ =	\$0
(13)	Other Accident	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	X	0.050 =	\$0
(14)	Stop Loss and Minimum Premium	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	X	¥ =	\$0
(15)	Federal Employee Health Benefit Plan	Earned Premium (Schedule H Part 1 Line 2 in part)	\$0	X	0.000 =	\$0

Table 1.4 - UNDERWRITING RISK - PREMIUM RISK FOR COMPREHENSIVE MEDICAL, MEDICARE SUPPLEMENT AND DENTAL & VISION - LR020 Changes

Comprehensive · Comprehensive · Medicare Suppl · Vision Only · Dental Only · Title XVIII-Medic · Title XIX-Medica · Stand-Alone Me · Other Health* · Other Non-Health*

UNDERWRITING RISK - PREMIUM RISK FOR COMPREHENSIVE MEDICAL, MEDICARE SUPPLEMENT AND DENTAL & VISION PR020

(Experience Fluctuation Risk in Life RBC Formula)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Line of Business	Comprehensive Individual	Comprehensive Group	Medicare Supplement	Vision Only	Dental Only	Title XVIII-Medicare	Title XIX-Medicaid	Stand-Alone Medicare Part D Coverage	TOTAL
(1) Premium									0
(4) Other Health Risk Revenue†			XXX						0
(5) Underwriting Risk Revenue = Lines (1) + (2) + (3) + (4)									0
(6) Net Incurred Claims									0
(7) Fee-for-Service Offset‡			XXX						0
(8) Underwriting Risk Incurred Claims = Line (6) – Line (7)									0
(9) Underwriting Risk Claims Ratio = Line (8) / Line (5)									XXX
(10.1) Underwriting Risk Factor for Initial Amounts Of Premium‡									XXX
(10.2) Underwriting Risk Factor for Excess of Initial Amount‡									XXX
(10.3) Composite Underwriting Risk Factor									XXX
(11) Base Underwriting Risk RBC = Line (5) x Line (9) x Line (10.3)									0
(12) Managed Care Discount Factor = PR021 Line (12)									XXX
(13) Base RBC After Managed Care Discount = Line (11) x Line (12)									0
(14) Alternate Risk Charge	1,500,000	1,500,000	50,000	50,000	50,000	1,500,000	1,500,000	150,000	0
(15) Net Underwriting Risk RBC (Maximum of Line (13) or Line (14))									0

† Source is company records unless already included in premiums.

‡ For Comprehensive Medical the Initial Premium Amount is \$25,000,000 or the amount in Line (1.3) if smaller. For Medicare Supplement and Dental & Vision the Initial Premium Amount is \$3,000,000 or the amount in Line (1.3) if smaller. For Stand-Alone Medicare Part D the Initial Premium Amount is \$25,000,000 or the amount in Line (1.3) if smaller.

§ Formula applies only to Column (1), for all other columns Line (14) should equal Line (13).

£ Applicable only if Line (16) for a column equals Line (16) for Column (5), otherwise zero.

Denotes items that must be manually entered on the filing software.

Risk Factor Summary Exhibits

2022 Underwriting Risk Factors (Prior to Investment Income Adjustment) at

**Table 2.1: 2022 Underwriting Risk Factors (Prior to Investment Income Adjustment) at
By Market**

Market	Tier \$0 - \$3M	Tier \$3M - \$25M	Tier \$25M and above
Comprehensive Hospital & Medical \$0-\$25M, \$25M+	0.150	0.150	0.090
Medicare Supplement \$0-\$3M, \$3M+	0.105	0.067	0.067
Dental and Vision \$0-\$3M, \$3M+	0.120	0.076	0.076
Stand-Alone Medicare Part D Coverage \$0-\$25M, \$25M+	0.251	0.251	0.151
Other Health N/A	0.130	0.130	0.130
Other Non-Health N/A	0.130	0.130	0.130

Table 2.2 - Claims Based Risk Factors, Gross of Managed Care Credit Factor and Aggregate Adjustments and Rebalanced by Tier By Market (87.5th Percentile and 95th Percentile at 1-Year Time Horizon)

Market	Percentile	Tier \$0 - \$10M	Tier \$10M - \$100M	Tier \$100M and above
Comprehensive - Group	87.5	0.251	0.251	0.048
\$0-\$100M, \$100M+	95.0	0.406	0.406	0.083
Comprehensive - Individual	87.5	0.247	0.247	0.138
\$0-\$100M, \$100M+	95.0	0.454	0.454	0.175
Medicaid	87.5	0.083	0.083	0.083
\$0-\$100M, \$100M+	95.0	0.148	0.148	0.148
Medicare Supplemental	87.5	0.369	0.005	0.005
\$0-\$10M, \$10M+	95.0	0.629	0.081	0.081
Medicare Advantage	87.5	0.296	0.296	0.044
\$0-\$100M, \$100M+	95.0	0.456	0.456	0.106
Stand-alone Part D	87.5	0.267	0.267	0.060
\$0-\$100M, \$100M+	95.0	0.477	0.477	0.093
Dental	87.5	0.164	0.011	0.011
\$0-\$10M, \$10M+	95.0	0.311	0.096	0.096
Vision	87.5	0.094	-0.057	-0.057
\$0-\$10M, \$10M+	95.0	0.303	0.016	0.016
Other Health	N/A	0.130	0.130	0.130
N/A				
Other Non-Health	N/A	0.130	0.130	0.130
N/A				

Appendix 2.B.1

Compilation of Claims-Based Risk Factors - Net of Managed Care Impact By Market, Horizon, and Percentile

Market	Percentile	Tier \$0 - \$10M			Tier \$0 - \$100M			Tier \$10M and above			Tier \$100M and above		
		1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year
Comprehensive - Group \$0-\$100M, \$100M+	87.5				0.213	0.190	0.181				0.060	0.054	0.044
	95.0				0.343	0.318	0.264				0.100	0.084	0.078
Comprehensive - Individual \$0-\$100M, \$100M+	87.5				0.206	0.200	0.247				0.136	0.117	0.099
	95.0				0.378	0.411	0.367				0.197	0.159	0.144
Medicaid \$0-\$100M, \$100M+	87.5				0.065	0.058	0.052	(1)			0.065	0.058	0.052
	95.0				0.116	0.107	0.107	(1)			0.116	0.107	0.107
Medicare Supplemental \$0-\$10M, \$10M+	87.5	0.304	0.316	0.379				0.027	0.009	0.009			
	95.0	0.519	0.577	0.737				0.105	0.086	0.077			
Medicare Advantage	87.5				0.246	0.242	0.225				0.058	0.055	0.048
	95.0				0.379	0.344	0.311				0.115	0.101	0.090
Stand-alone Part D \$0-\$100M, \$100M+	87.5				0.204	0.116	0.111				0.069	0.039	0.018
	95.0				0.366	0.214	0.207				0.114	0.088	0.079
Dental \$0-\$10M, \$10M+	87.5	0.125	0.119	0.123				0.023	0.015	0.001			
	95.0	0.237	0.230	0.206				0.107	0.110	0.099			
Vision \$0-\$10M, \$10M+	87.5	0.083	0.097	0.094				-0.035	-0.035	-0.041			
	95.0	0.268	0.244	0.265				0.043	0.065	-0.015			

(1) Medicaid values reflect an aggregate tier across all revenue levels

Appendix 2.B.2.a
Aggregate Adjustments
By Market, Horizon, and Percentile

Market	Percentile	Tier \$0 - \$10M			Tier \$0 - \$100M			Tier \$10M and above			Tier \$100M and above		
		1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year
Comprehensive - Group \$0-\$100M, \$100M+	87.5				1.000	1.000	1.000				1.000	1.000	1.000
	95.0				1.000	1.000	1.000				1.000	1.000	1.000
Comprehensive - Individual \$0-\$100M, \$100M+	87.5				1.000	1.000	1.000				1.000	1.000	1.000
	95.0				1.000	1.000	1.000				1.000	1.000	1.000
Medicaid \$0-\$100M, \$100M+	87.5				1.025	1.025	1.025				1.025	1.025	1.025
	95.0				1.025	1.025	1.025				1.025	1.025	1.025
Medicare Supplemental \$0-\$10M, \$10M+	87.5	1.000	1.000	1.000				1.000	1.000	1.000			
	95.0	1.000	1.000	1.000				1.000	1.000	1.000			
Medicare Advantage	87.5				1.000	1.000	1.000				1.000	1.000	1.000
	95.0				1.000	1.000	1.000				1.000	1.000	1.000
Stand-alone Part D \$0-\$100M, \$100M+	87.5				1.000	1.000	1.000				1.000	1.000	1.000
	95.0				1.000	1.000	1.000				1.000	1.000	1.000
Dental \$0-\$10M, \$10M+	87.5	1.000	1.000	1.000				1.000	1.000	1.000			
	95.0	1.000	1.000	1.000				1.000	1.000	1.000			
Vision \$0-\$10M, \$10M+	87.5	1.000	1.000	1.000				1.000	1.000	1.000			
	95.0	1.000	1.000	1.000				1.000	1.000	1.000			

Note: Aggregate adjustment for Medicaid made to account for expected nationwide impact of provider pass through payment carve out in H2 RBC factor calculation

Appendix 2.B.2.b

Composite Managed Care Credit Factors in Historical Data

By Market, Horizon, and Percentile

Market	Percentile	Tier \$0 - \$10M			Tier \$0 - \$100M			Tier \$10M and above			Tier \$100M and above		
		1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year
Comprehensive - Group \$0-\$100M, \$100M+	87.5				0.846	0.844	0.849				0.824	0.824	0.823
	95.0				0.846	0.844	0.849				0.824	0.824	0.823
Comprehensive - Individual \$0-\$100M, \$100M+	87.5				0.834	0.837	0.833				0.846	0.846	0.846
	95.0				0.834	0.837	0.833				0.846	0.846	0.846
Medicaid \$0-\$100M, \$100M+	87.5				0.806	0.808	0.803				0.806	0.808	0.803
	95.0				0.806	0.808	0.803				0.806	0.808	0.803
Medicare Supplemental \$0-\$10M, \$10M+	87.5	0.824	0.830	0.825				0.874	0.875	0.874			
	95.0	0.824	0.830	0.825				0.874	0.875	0.874			
Medicare Advantage	87.5				0.830	0.834	0.825				0.776	0.775	0.778
	95.0				0.830	0.834	0.825				0.776	0.775	0.778
Stand-alone Part D \$0-\$100M, \$100M+	87.5				0.767	0.767	0.767				0.767	0.767	0.767
	95.0				0.767	0.767	0.767				0.767	0.767	0.767
Dental \$0-\$10M, \$10M+	87.5	0.762	0.762	0.760				0.912	0.913	0.913			
	95.0	0.762	0.762	0.760				0.912	0.913	0.913			
Vision \$0-\$10M, \$10M+	87.5	0.884	0.887	0.885				0.885	0.883	0.870			
	95.0	0.884	0.887	0.885				0.885	0.883	0.870			

Note: Stand-alone Part D factor based on assumption that essentially all payments are in Category 3a (Federal Reinsurance and Risk Corridor Protection Apply; see XR018). Medicaid values reflect all entities and an aggregated tier across all revenue levels.

Appendix 2.B.2.c

Upper Tier Factor Balancing Adjustment

By Market, Horizon, and Percentile

Market	Percentile	Tier \$0 - \$10M			Tier \$0 - \$100M			Tier \$10M and above			Tier \$100M and above		
		1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year
Comprehensive - Group	87.5										-33%	-10%	-7%
\$0-\$100M, \$100M+	95.0										-32%	-11%	-6%
Comprehensive - Individual	87.5										-14%	-6%	-7%
\$0-\$100M, \$100M+	95.0										-25%	-12%	-7%
Medicaid	87.5										0%	0%	0%
\$0-\$100M, \$100M+	95.0										0%	0%	0%
Medicare Supplemental	87.5							-85%	-88%	-68%			
\$0-\$10M, \$10M+	95.0							-33%	-15%	-14%			
Medicare Advantage	87.5										-40%	-13%	-9%
	95.0										-28%	-9%	-6%
Stand-alone Part D	87.5										-33%	-10%	-16%
\$0-\$100M, \$100M+	95.0										-38%	-7%	-5%
Dental	87.5							-59%	-28%	-405%			
\$0-\$10M, \$10M+	95.0							-18%	-5%	-3%			
Vision	87.5							42%	15%	8%			
\$0-\$10M, \$10M+	95.0							-66%	-11%	45%			

Note: balancing adjustment is zero for Medicaid because a values reflect an aggregated tier across all revenue levels

Appendix 2.B.3

Claims Based Risk Factors, Gross of Managed Care Credit Factor and Aggregate Adjustments and Rebalanced by Tier By Market, Horizon, and Percentile

Market	Percentile	Tier \$0 - \$10M			Tier \$0 - \$100M			Tier \$10M and above			Tier \$100M and above		
		1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year	1-Year	3-Year	5-Year
Comprehensive - Group \$0-\$100M, \$100M+	87.5				0.251	0.226	0.213				0.048	0.059	0.049
	95.0				0.406	0.377	0.311				0.083	0.091	0.089
Comprehensive - Individual \$0-\$100M, \$100M+	87.5				0.247	0.239	0.296				0.138	0.131	0.109
	95.0				0.454	0.491	0.441				0.175	0.164	0.158
Medicaid \$0-\$100M, \$100M+	87.5				0.083	0.074	0.066				0.083	0.074	0.066
	95.0				0.148	0.135	0.137				0.148	0.135	0.137
Medicare Supplemental \$0-\$10M, \$10M+	87.5	0.369	0.381	0.460				0.005	0.001	0.003			
	95.0	0.629	0.695	0.894				0.081	0.084	0.076			
Medicare Advantage	87.5				0.296	0.290	0.273				0.044	0.062	0.056
	95.0				0.456	0.412	0.377				0.106	0.118	0.109
Stand-alone Part D \$0-\$100M, \$100M+	87.5				0.267	0.151	0.145				0.060	0.046	0.019
	95.0				0.477	0.279	0.270				0.093	0.106	0.098
Dental \$0-\$10M, \$10M+	87.5	0.164	0.156	0.162				0.011	0.012	-0.003			
	95.0	0.311	0.301	0.272				0.096	0.114	0.106			
Vision \$0-\$10M, \$10M+	87.5	0.094	0.109	0.106				-0.057	-0.045	-0.051			
	95.0	0.303	0.275	0.300				0.016	0.066	-0.024			

Note: Medicaid values reflect an aggregated tier across all revenue levels

Appendix 2.C

Step Through of Historical Data and Calculations for an Illustrative Market, Percentile, and Horizon

Market and Tiering Method

Comprehensive - Group
Tier \$0 - \$100M - Tier \$100M and above

Horizon and Percentile

1-Year
Percentile 95

		Tier 1 Entities	Tier 2 Entities	Source	Notes
Historical Sample Characteristics					
Revenue Tier		LT \$100M	GE \$100M		Assigned based on average revenue during analysis period
Annual Revenue (\$Billions)	R	\$39	\$1,447	App 2.B.2.c.1	
Entity Count	N	1,184	1,715	App 2.B.2.c.2	
Statistical Calculations					
Claims-Based Risk Factor - Net of Managed Care Impact	a	0.343	0.100	App 2.B.1	Historical adverse claims risk at 95 percentile
Aggregate Adjustments (if applicable)	b1	1.000	1.000	App 2.B.2.a	Not applicable
Average Managed Care Credit Factor	b2	0.846	0.824	App 2.B.2.b	MCC is calculated at the company level; here, the average for the market and tier composited using each entity's revenue in the applicable line of business
Claims-Based Risk Factor - Gross of Managed Care Credit Factor	c = a*b1/b2	0.406	0.121		Estimate of claims-based risk factor after removing RBC model's assumed impact of managed care credit and applying any aggregate adjustments (if applicable)
Rebalance Claims-Based Risk Factor by Tier					
Tier 1 Factor	d	0.406			Set equal to factor calculated from companies in Tier 1 and intended to apply to company's annual revenue LT \$100M
Threshold for 2nd Tier (\$millions)	e		\$100		
Tier 2 Factor	f		0.083		Rebalanced to apply to only revenue GE \$100M $f = [(R * c) - (d * e/1,000)] / [R - N * e/1,000]$
Impact of Rebalancing Tier 2 Factor	=f/c		-31.6%	App 2.B.2.c	Percentage change in upper tier fctor after rebalancing
Rebalance Claims-Based Risk Factor by Tier		LT \$100M	GE \$100M	Source	Notes
Tiered Risk Factors	d,f	0.406	0.083	App 2.B.3	
Risk Factor Calculation for Example Company					
Revenue in LOB (\$millions)	x			\$800	Illustrative input
Managed Care Credit Factor	y			0.750	Illustrative input
Gross risk in first tier	$z1 = e * d$	40.6			
Gross risk in second tier	$z2 = (x - e) * f$		58.0		
Total gross risk, divided by revenue				0.123	
Average risk, after Managed Care Credit Factor				0.092	

Appendix 2.C.1 - Comprehensive - Group, 87.5th percentile, 1-Year Horizon
Step Through of Historical Data and Calculations for an Illustrative Market, Percentile, and Horizon

Market and Tiering Method

Comprehensive - Group
Tier \$0 - \$100M - Tier \$100M and above

Horizon and Percentile

1-Year
Percentile 87.5

		Tier 1 Entities	Tier 2 Entities	Source	Notes
Historical Sample Characteristics					
Revenue Tier		LT \$100M	GE \$100M		Assigned based on average revenue during analysis period
Annual Revenue (\$Billions)	R	\$39	\$1,447	App 2.B.2.c.1	
Entity Count	N	1,184	1,715	App 2.B.2.c.2	
Statistical Calculations					
Claims-Based Risk Factor - Net of Managed Care Impact	a	0.213	0.060	App 2.B.1	Historical adverse claims risk at 87.5 percentile
Aggregate Adjustments (if applicable)	b1	1.000	1.000	App 2.B.2.a	Not applicable
Average Managed Care Credit Factor	b2	0.846	0.824	App 2.B.2.b	MCC is calculated at the company level; here, the average for the market and tier composited using each entity's revenue in the applicable line of business
Claims-Based Risk Factor - Gross of Managed Care Credit Factor	c = a*b1/b2	0.251	0.072		Estimate of claims-based risk factor after removing RBC model's assumed impact of managed care credit and applying any aggregate adjustments (if applicable)
Rebalance Claims-Based Risk Factor by Tier					
Tier 1 Factor	d	0.251			Set equal to factor calculated from companies in Tier 1 and intended to apply to company's annual revenue LT \$100M
Threshold for 2nd Tier (\$millions)	e		\$100		
Tier 2 Factor	f		0.048		Rebalanced to apply to only revenue GE \$100M f = [(R * c) - (d * e/1,000)] / [R - N * e/1,000]
Impact of Rebalancing Tier 2 Factor	=f/c		-33.3%	App 2.B.2.c	Percentage change in upper tier fctor after rebalancing
Rebalance Claims-Based Risk Factor by Tier		LT \$100M	GE \$100M	Source	Notes
Tiered Risk Factors	d,f	0.251	0.048	App 2.B.3	
Risk Factor Calculation for Example Company					
Revenue in LOB (\$millions)	x			\$800	Illustrative input
Managed Care Credit Factor	y			0.750	Illustrative input
Gross risk in first tier	z1 = e * d	25.1			
Gross risk in second tier	z2 = (x - e) * f		33.8		
Total gross risk, divided by revenue				0.074	
Average risk, after Managed Care Credit Factor				0.055	

Appendix 2.C.2 - Medicaid, 87.5th percentile, 1-Year Horizon
Step Through of Historical Data and Calculations for an Illustrative Market, Percentile, and Horizon

Market and Tiering Method

Medicaid
Tier \$0 - \$100M - Tier \$100M and above

Horizon and Percentile

1-Year
Percentile 87.5

		Tier 1 Entities	Tier 2 Entities	Source	Notes
Historical Sample Characteristics					
Revenue Tier		LT \$100M	GE \$100M		Assigned based on average revenue during analysis period
Annual Revenue (\$Billions)	R	\$15	\$1,688	App 2.B.2.c.1	
Entity Count	N	409	1,741	App 2.B.2.c.2	
Statistical Calculations					
Claims-Based Risk Factor - Net of Managed Care Impact	a	0.065	0.065	App 2.B.1	Historical adverse claims risk at 87.5 percentile
Aggregate Adjustments (if applicable)	b1	1.025	1.025	App 2.B.2.a	Aggregate adjustment to adjust for expected nationwide impact of pass through payments. These payments are removed from the RBC calculation, so the observed RBC
Average Managed Care Credit Factor	b2	0.806	0.806	App 2.B.2.b	MCC is calculated at the company level; here, the average for the market and tier composited using each entity's revenue in the applicable line of business
Claims-Based Risk Factor - Gross of Managed Care Credit Factor	c = a*b1/b2	0.083	0.083		Estimate of claims-based risk factor after removing RBC model's assumed impact of managed care credit and applying any aggregate adjustments (if applicable)
Rebalance Claims-Based Risk Factor by Tier					
Tier 1 Factor	d	0.083			Set equal to factor calculated from companies in Tier 1 and intended to apply to company's annual revenue LT \$100M
Threshold for 2nd Tier (\$millions)	e		\$100		
Tier 2 Factor	f		0.083		Rebalanced to apply to only revenue GE \$100M f = [(R * c) - (d * e/1,000)] / [R - N * e/1,000]
Impact of Rebalancing Tier 2 Factor	=f/c		0.0%	App 2.B.2.c	Percentage change in upper tier factor after rebalancing
Rebalance Claims-Based Risk Factor by Tier		LT \$100M	GE \$100M	Source	Notes
Tiered Risk Factors	d,f	0.083	0.083	App 2.B.3	
Risk Factor Calculation for Example Company					
Revenue in LOB (\$millions)	x			\$800	Illustrative input
Managed Care Credit Factor	y			0.750	Illustrative input
Gross risk in first tier	z1 = e * d	8.3			
Gross risk in second tier	z2 = (x - e) * f		57.9		
Total gross risk, divided by revenue				0.083	
Average risk, after Managed Care Credit Factor				0.062	

Appendix 2.C.3 - Dental, 87.5th percentile, 1-Year Horizon
Step Through of Historical Data and Calculations for an Illustrative Market, Percentile, and Horizon

Market and Tiering Method

Dental
Tier \$0 - \$10M - Tier \$10M and above

Horizon and Percentile

1-Year
Percentile 87.5

		Tier 1 Entities	Tier 2 Entities	Source	Notes
Historical Sample Characteristics					
Revenue Tier		LT \$10M	GE \$10M		Assigned based on average revenue during analysis period
Annual Revenue (\$Billions)	R	\$4	\$125	App 2.B.2.c.1	
Entity Count	N	1,299	1,240	App 2.B.2.c.2	
Statistical Calculations					
Claims-Based Risk Factor - Net of Managed Care Impact	a	0.125	0.023	App 2.B.1	Historical adverse claims risk at 87.5 percentile
Aggregate Adjustments (if applicable)	b1	1.000	1.000	App 2.B.2.a	Not applicable
Average Managed Care Credit Factor	b2	0.762	0.912	App 2.B.2.b	MCC is calculated at the company level; here, the average for the market and tier composited using each entity's revenue in the applicable line of business
Claims-Based Risk Factor - Gross of Managed Care Credit Factor	c = a*b1/b2	0.164	0.026		Estimate of claims-based risk factor after removing RBC model's assumed impact of managed care credit and applying any aggregate adjustments (if applicable)
Rebalance Claims-Based Risk Factor by Tier					
Tier 1 Factor	d	0.164			Set equal to factor calculated from companies in Tier 1 and intended to apply to company's annual revenue LT \$10M
Threshold for 2nd Tier (\$millions)	e		\$10		
Tier 2 Factor	f		0.011		Rebalanced to apply to only revenue GE \$10M f = [(R * c) - (d * e/1,000)] / [R - N * e/1,000]
Impact of Rebalancing Tier 2 Factor	=f/c		-59.0%	App 2.B.2.c	Percentage change in upper tier fctor after rebalancing
Rebalance Claims-Based Risk Factor by Tier		LT \$10M	GE \$10M	Source	Notes
Tiered Risk Factors	d,f	0.164	0.011	App 2.B.3	
Risk Factor Calculation for Example Company					
Revenue in LOB (\$millions)	x			\$80	Illustrative input
Managed Care Credit Factor	y			0.900	Illustrative input
Gross risk in first tier	z1 = e * d	1.6			
Gross risk in second tier	z2 = (x - e) * f		0.7		
Total gross risk, divided by revenue				0.030	
Average risk, after Managed Care Credit Factor				0.027	

Appendix 2.D.1

Comprehensive (Group and Individual) Historical Health Risk Analysis

Data Sources: Analysis of Operations by Line of Business (2012-2021)

For Excel Only

Comprehensive - Ind & Grp Combined													Average 2012-2021	Average 2014-2018	Average 12- 13, 17-21	Average 2017-2021	Average 2012-2019
Comprehensive	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			302	376	301	359	302
Observations	310	302	414		396	367	364	349	353	361	368						
Total Revenue (\$M)	\$ 172,156	\$ 177,813	\$ 193,302	\$ 198,672	\$ 202,839	\$ 210,233	\$ 217,217	\$ 213,902	\$ 218,893	\$ 219,064							
Average Revenue/Entity	\$ 553.5	\$ 585.4	\$ 468.4	\$ 514.7	\$ 502.2	\$ 577.6	\$ 621.8	\$ 606.0	\$ 619.1	\$ 595.3							
Average Combined Ratio - Weighted	97.7%	97.8%	100.2%	101.0%	100.5%	96.0%	94.5%	96.4%	95.2%	100.0%	98.0%	98.5%	96.5%	96.5%	98.0%	98.0%	
Average Loss Ratio - Entity	85.2%	85.7%	89.0%	88.8%	89.6%	88.7%	81.8%	87.4%	80.3%	88.9%	86.3%	87.2%	85.1%	85.0%	86.8%	86.8%	
Average Loss Ratio - Weighted	84.5%	84.5%	88.2%	88.1%	87.7%	83.3%	75.3%	80.3%	72.9%	87.9%	85.0%	85.1%	83.5%	83.1%	84.7%	83.9%	
Loss Ratio - 50th Percentile	85.7%	85.2%	88.7%	87.6%	87.8%	85.0%	82.1%	84.5%	81.0%	87.1%	85.3%	85.8%	84.4%	83.9%	85.6%	85.6%	
Loss Ratio - 75th Percentile	90.2%	89.6%	94.2%	94.3%	93.9%	90.8%	87.5%	89.2%	85.5%	93.7%	90.9%	92.1%	89.4%	89.3%	91.2%	91.2%	
Loss Ratio - 87.5th Percentile	93.6%	93.4%	98.2%	100.1%	94.8%	94.9%	92.4%	95.5%	91.9%	97.1%	94.5%	94.4%	94.2%	94.5%	96.0%	94.5%	
Loss Ratio - 90th Percentile	94.7%	94.8%	100.1%	103.1%	103.1%	96.2%	94.0%	98.6%	93.0%	101.2%	98.7%	100.8%	96.1%	96.6%	99.0%	99.0%	
Loss Ratio - 95th Percentile	99.7%	100.9%	111.9%	120.0%	112.4%	104.6%	99.2%	107.5%	98.7%	108.9%	106.2%	109.6%	102.5%	103.4%	107.0%	107.0%	
Loss Ratio - 97.5th Percentile	107.0%	109.9%	136.5%	133.0%	127.1%	115.7%	108.2%	122.1%	105.9%	117.3%	118.1%	123.7%	112.3%	113.8%	119.7%	119.7%	
Loss Ratio - 98th Percentile	109.6%	116.5%	140.1%	134.0%	131.5%	124.9%	112.0%	133.9%	107.4%	121.4%	123.2%	128.7%	117.9%	119.9%	125.4%	125.4%	
Loss Ratio - 99th Percentile	118.2%	132.9%	151.7%	144.4%	149.5%	140.1%	125.8%	224.5%	111.9%	154.4%	146.4%	142.3%	145.5%	153.3%	148.5%	148.5%	
Loss Ratio - 99.5th Percentile	120.8%	170.6%	151.3%	158.7%	204.7%	180.1%	140.0%	276.1%	117.5%	198.6%	185.1%	175.2%	195.1%	199.6%	199.6%	199.6%	
Deviation from Average Loss Ratio (50th Percentile)	1.2%	0.6%	0.4%	0.5%	0.9%	1.8%	1.9%	1.0%	0.6%	-0.8%	0.7%	0.9%	0.9%	0.9%	0.9%	0.9%	
Deviation from Average Loss Ratio (75th Percentile)	5.7%	5.0%	7.6%	6.2%	6.9%	7.3%	7.3%	5.6%	5.0%	5.8%	6.3%	7.1%	6.0%	6.2%	6.2%	6.2%	
Deviation from Average Loss Ratio (87.5th Percentile)	8.1%	8.9%	15.3%	14.1%	11.7%	12.3%	12.1%	10.5%	11.2%	11.9%	11.9%	13.5%	10.8%	11.5%	12.2%	12.2%	
Deviation from Average Loss Ratio (90th Percentile)	10.3%	10.3%	17.3%	19.0%	16.1%	12.9%	13.8%	15.0%	12.5%	13.3%	14.1%	15.9%	12.6%	13.5%	14.4%	14.4%	
Deviation from Average Loss Ratio (95th Percentile)	15.3%	16.4%	26.8%	31.6%	25.4%	24.0%	24.0%	24.0%	24.0%	24.0%	24.0%	24.0%	24.0%	24.0%	24.0%	24.0%	
Deviation from Average Loss Ratio (97.5th Percentile)	22.5%	25.4%	50.2%	42.9%	40.1%	32.4%	38.6%	25.4%	29.4%	33.5%	33.5%	38.7%	28.8%	30.8%	35.0%	35.0%	
Deviation from Average Loss Ratio (98th Percentile)	25.1%	31.9%	53.8%	46.8%	44.6%	41.8%	31.8%	50.4%	26.9%	33.3%	38.6%	43.7%	34.3%	36.8%	40.8%	40.8%	
Deviation from Average Loss Ratio (99th Percentile)	34.7%	48.4%	69.6%	57.3%	62.5%	52.8%	42.1%	137.2%	26.9%	77.1%	69.9%	64.9%	66.8%	68.4%	61.6%	61.6%	
Deviation from Average Loss Ratio (99.5th Percentile)	38.4%	91.1%	105.0%	71.6%	117.7%	96.8%	59.8%	191.5%	37.0%	198.6%	100.6%	90.2%	101.6%	116.7%	96.2%	96.2%	
Average Margin (1 - Combined)	2.3%	2.2%	-0.2%	-1.0%	-0.5%	4.0%	5.5%	3.6%	4.8%	-0.8%	2.0%	1.5%	3.1%	3.5%	2.0%	2.0%	
Deviation from Average Loss Ratio less Avg Margin (87.5)	6.8%	6.7%	15.5%	15.1%	14.6%	7.7%	6.8%	8.4%	5.7%	11.8%	9.9%	11.9%	7.7%	8.1%	10.2%	10.2%	
Deviation from Average Loss Ratio less Avg Margin (90)	7.9%	8.2%	17.7%	20.0%	16.6%	1.9%	8.4%	11.4%	7.7%	13.9%	12.1%	14.3%	9.3%	10.1%	12.4%	12.4%	
Deviation from Average Loss Ratio less Avg Margin (95)	12.3%	12.3%	22.8%	25.8%	22.4%	11.6%	13.6%	15.0%	12.1%	13.6%	14.1%	16.3%	10.3%	10.3%	14.4%	14.4%	
Deviation from Average Loss Ratio less Avg Margin (97.5)	20.2%	23.2%	50.4%	43.9%	40.6%	28.4%	22.6%	34.9%	20.6%	30.0%	31.5%	37.2%	25.7%	27.7%	33.0%	33.0%	
Deviation from Average Loss Ratio less Avg Margin (98)	22.8%	29.8%	54.0%	47.8%	45.0%	37.0%	28.4%	48.8%	22.1%	34.1%	36.6%	42.2%	31.4%	33.4%	38.8%	38.8%	
Deviation from Average Loss Ratio less Avg Margin (99)	32.4%	46.3%	69.6%	57.3%	62.5%	52.8%	42.1%	137.2%	26.9%	77.1%	69.9%	64.9%	66.8%	68.4%	61.6%	61.6%	
Deviation from Average Loss Ratio less Avg Margin (99.5)	34.0%	89.8%	105.2%	72.6%	118.2%	92.8%	54.3%	187.9%	32.2%	194.2%	95.8%	88.7%	98.5%	113.3%	94.3%	94.3%	
Claims-Based Risk Factor (87.5)	0.089	0.088	0.179	0.172	0.168	0.082	0.085	0.101	0.076	0.136	0.117	0.141	0.082	0.087	0.120	0.120	
Claims-Based Risk Factor (90)	0.094	0.086	0.205	0.227	0.191	0.187	0.105	0.137	0.095	0.158	0.143	0.169	0.114	0.121	0.144	0.144	
Claims-Based Risk Factor (95)	0.133	0.189	0.299	0.374	0.297	0.209	0.178	0.249	0.167	0.223	0.232	0.272	0.191	0.203	0.244	0.244	
Claims-Based Risk Factor (97.5)	0.199	0.275	0.584	0.488	0.466	0.341	0.282	0.418	0.268	0.341	0.377	0.438	0.308	0.329	0.399	0.399	
Claims-Based Risk Factor (98)	0.270	0.362	0.826	0.634	0.618	0.482	0.339	0.560	0.374	0.388	0.433	0.498	0.376	0.402	0.454	0.454	
Claims-Based Risk Factor (99)	0.383	0.547	0.760	0.651	0.729	0.639	0.601	1.044	0.389	0.877	0.768	0.887	0.706	0.844	0.714	0.714	
Claims-Based Risk Factor (99.5)	0.403	1.062	1.119	0.854	1.159	0.878	2.249	0.489	2.066	1.165	1.165	1.165	1.189	1.384	1.113	1.113	

Comprehensive - Individual LOB Only																	
Comprehensive	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average 2012-2021	Average 2014-2018	Average 12- 13, 17-21	Average 2017-2021	Average 2012-2019		
Observations	187	188	211	216	564	237	217	226	229	233	246	277	218	228	250		
Total Revenue (\$M)	\$ 20,760	\$ 21,889	\$ 24,837	\$ 33,510	\$ 87,472	\$ 93,429	\$ 93,429	\$ 93,429	\$ 93,429	\$ 93,429							
Average Revenue/Entity	\$ 111.0	\$ 109.1	\$ 117.8	\$ 155.1	\$ 169.6	\$ 397.0	\$ 269.6	\$ 285.0	\$ 285.0	\$ 276.4							
Average Combined Ratio - Weighted	97.5%	97.4%	99.5%	101.6%	101.6%	96.7%	92.4%	95.1%	94.3%	100.3%	97.5%	98.2%	96.1%	95.6%	97.6%		
Average Loss Ratio - Entity	81.7%	81.7%	85.4%	86.6%	86.6%	84.7%	75.1%	81.4%	77.2%	81.9%	83.4%	85.7%	82.7%	80.4%	84.1%		
Average Loss Ratio - Weighted	82.5%	83.2%	88.7%	92.3%	88.3%	81.7%	73.0%	79.0%	74.9%	85.2%	82.9%	84.8%	80.0%	78.8%	83.6%		
Loss Ratio - 50th Percentile	81.0%	81.2%	88.5%	88.5%	86.3%	83.9%	75.3%	80.1%	77.2%	84.4%	82.7%	84.5%	80.6%	80.2%	83.2%		
Loss Ratio - 75th Percentile	86.1%	86.9%	92.7%	97.1%	95.3%	91.6%	85.3%	85.4%	82.0%	92.0%	88.9%	91.8%	86.9%	87.0%	90.3%		
Loss Ratio - 87.5th Percentile	90.5%	90.6%	106.6%	106.6%	96.5%	96.2%	90.2%	91.7%	90.3%	99.3%	96.4%	98.5%	94.0%	93.5%	96.8%		
Loss Ratio - 90th Percentile	96.4%	97.5%	110.4%	110.9%	98.4%	97.4%	92.4%	92.5%	92.9%	100.3%	98.9%	101.9%	95.0%	95.1%	99.5%		
Loss Ratio - 95th Percentile	101.6%	103.1%	129.0%	129.0%	106.9%	109.9%	98.4%	97.1%	99.9%	104.5%	105.9%	112.4%	102.0%	100.9%	108.0%		
Loss Ratio - 97.5th Percentile	110.8%	117.2%	176.2%	138.0%	115.8%	112.1%	100.9%	109.0%	100.2%	112.2%	118.1%	126.3%	108.9%	106.9%	121.1%		
Loss Ratio - 98th Percentile	114.6%	121.3%	178.2%	140.9%	118.3%	123.2%	102.5%	109.9%	102.9%	114.0%	122.5%	132.6%	112.3%	110.4%	128.0%		
Loss Ratio - 99th Percentile	127.2%	136.1%	194.8%	143.3%	145.0%	108.0%	145.0%	108.0%	113.0%	113.0%	132.6%	149.9%	113.0%	113.0%	137.6%		
Loss Ratio - 99.5th Percentile	177.5%	165.0%	200.6%	155.7%	184.6%	290.7%	111.7%	354.9%	111.4%	117.9%	186.4%	188.7%	189.0%	197.3%	204.3%		
Deviation from Average Loss Ratio (50th Percentile)	-1.0%	-0.2%	-0.2%	-3.8%	-2.0%	2.2%	2.3%	1.1%	2.4%	-0.8%	-0.2%	-0.3%	0.6%	1.4%	-0.4%		
Deviation from Average Loss Ratio (75th Percentile)	7.2%	6.8%	7.5%	4.9%	-2.0%	9.9%	12.3%	6.9%	9.1%	7.8%	7.0%	6.5%	8.5%	9.2%	6.7%		
Deviation from Average Loss Ratio (87.5th Percentile)	12.1%	12.3%	36.9%	11.8%	8.2%	14.3%	17.2%	12.7%	15.4%	14.1%	13.5%	13.7%	14.0%	14.8%	13.2%		
Deviation from Average Loss Ratio (90th Percentile)	13.1%	14.1%	21.7%	38.6%	19.1%	17.9%	19.4%	13.7%	19.4%	16.3%	16.0%	17.1%	13.9%	13.3%	15.8%		
Deviation from Average Loss Ratio (95th Percentile)	18.7%	20.3%	40.3%	34.5%	18.6%	19.2%	25.4%	18.1%	24.1%	21.2%	24.0%	27.6%	21.0%	21.6%	24.4%		
Deviation from Average Loss Ratio (97.5th Percentile)	27.9%	34.0%	75.3%	46.6%	27.5%	30.4%	27.9%	30.0%	25.3%	27.0%	35.2%	43.5%	28.9%	28.1%	37.4%		
Deviation from Average Loss Ratio (98th Percentile)	29.1%	48.1%	89.1%	68.1%	48.1%	29.1%	29.1%	30.3%	27.8%	31.8%	38.6%	51.8%	33.8%	31.8%	42.4%		
Deviation from Average Loss Ratio (99th Percentile)	44.3%	53.0%	106.1%	51.0%	44.3%	63.3%	35.6%	34.2%	35.5%	29.8%	49.7%	60.1%	42.2%	39.7%	54.0%		
Deviation from Average Loss Ratio (99.5th Percentile)	86.6%	81.8%	111.9%	63.6%	96.3%	209.0%	58.7%	275.8%	36.5%	32.7%	103.5%	103.9%	105.0%	118.5%	120.7%		
Average Margin (1 - Combined)	2.5%	2.6%	0.5%	-1.6%	-1.6%	4.3%	7.6%	4.9%	5.7%	-0.3%	2.5%	1.8%	3.9%	4.4%	2.4%		
Deviation from Average Loss Ratio less Avg Margin (87.5)	9.0%	9.7%	82.4%	13.4%	9.9%	82.2%	9.9%	7.6%	7.8%	9.7%	14.4%	11.1%	11.9%	10.1%	10.3%		
Deviation from Average Loss Ratio less Avg Margin (90)	11.0%	11.7%	21.2%	20.2%	11.7%	11.4%	11.8%	8.5%	12.3%	15.4%	13.5%	15.3%	11.7%	11.9%	13.4%		
Deviation from Average Loss Ratio less Avg Margin (95)	16.1%	17.7%	39.8%	36.1%	20.2%	14.8%	17.8%	13.2%	18.4%	21.5%	21.9%	25.7%	17.1%	17.1%	22.0%		
Deviation from Average Loss Ratio less Avg Margin (97.5)	25.3%	31.4%	74.8%	48.2%	28.1%	26.1%	29.3%	25.1%	29.9%	27.2%	32.7%	39.7%	25.0%	23.7%	35.0%		
Deviation from Average Loss Ratio less Avg Margin (98)	29.2%	48.2%	89.2%	68.2%	48.2%	29.2%	29.2%	30.4%	27.9%	31.9%	38.7%	51.9%	33.9%	31.9%	42.5%		
Deviation from Average Loss Ratio less Avg Margin (99)	45.1%	54.0%	107.0%	52.0%	45.1%	64.0%	36.0%	29.0%	29.0%	33.0%	50.7%	59.0%	33.0%	33.0%	55.0%		
Deviation from Average Loss Ratio less Avg Margin (99.5)	88.6%	79.2%	111.4%	65.1%	97.9%	204.6%	61.1%	279.9%	30.8%	33.0%	103.0%	102.0%	105.1%	114.1%	118.9%		
Claims-Based Risk Factor (87.5)	0.115	0.117	0.185	0.146	0.111	0.135	0.132	0.099	0.130	0.109	0.133	0.140	0.127	0.131	0.128		
Claims-Based Risk Factor (90)	0.132	0.141	0.239	0.238	0.132	0.139	0.132	0.108	0.164	0.131	0.163	0.180	0.147	0.151	0.161		
Claims-Based Risk Factor (95)	0.233	0.244	0.448	0.391	0.242	0.249	0.243	0.167	0.243	0.195	0.246	0.283	0.238	0.238	0.248		
Claims-Based Risk Factor (97.5)	0.306	0.377	0.848	0.529	0.339	0.310	0.298	0.181	0.382	0.321	0.395	0.468	0.313	0.301	0.419		
Claims-Based Risk Factor (98)	0.382	0.427	1.083	0.645	0.368	0.455	0.390	0.321	0.618	0.441	0.448	0.542	0.388	0.384	0.475		
Claims-Based Risk Factor (99)	0.632	0.686	1.581	0.922	0.622	0.629	0.429	0.387	0.867	0.617	0.687	0.817	0.647	0.647	0.745		
Claims-Based Risk Factor (99.5)	1.039	0.952	1.257	0.700	1.100	2.026	1.427	1.429	0.281	0.387	1.128	1.204	1.334	1.469	1.415		

Deviation from Average Loss Ratio (95.5th Percentile)	34.3%	36.5%	72.3%	80.5%	74.6%	46.8%	41.5%	102.1%	32.7%	158.8%	68.0%	63.2%	64.7%	76.4%	61.5%
Average Margin (1 - Combined)	2.3%	2.1%	0.0%	-0.5%	-0.1%	3.9%	4.6%	3.1%	4.4%	-0.8%	1.9%	1.6%	2.8%	3.1%	1.9%
Deviation from Average Loss Ratio less Avg Margin (87.5)	6.5%	6.7%	11.8%	14.0%	11.6%	6.9%	5.1%	5.6%	3.8%	11.1%	8.3%	9.9%	6.5%	6.5%	8.5%
Deviation from Average Loss Ratio less Avg Margin (90)	7.6%	7.5%	13.0%	15.6%	13.1%	8.1%	6.5%	8.6%	4.9%	12.2%	9.8%	11.4%	7.9%	8.1%	10.1%
Deviation from Average Loss Ratio less Avg Margin (95)	12.2%	12.2%	28.9%	26.5%	19.0%	12.8%	12.8%	17.5%	11.3%	17.5%	16.0%	17.8%	13.7%	14.1%	16.4%
Deviation from Average Loss Ratio less Avg Margin (97.5)	15.3%	16.4%	28.1%	37.7%	25.6%	22.8%	18.6%	26.7%	18.4%	26.6%	23.5%	26.6%	20.7%	22.6%	23.9%
Deviation from Average Loss Ratio less Avg Margin (98)	17.4%	18.4%	31.9%	38.9%	27.6%	26.0%	19.5%	34.6%	20.0%	38.0%	27.2%	28.8%	24.9%	27.7%	28.6%
Deviation from Average Loss Ratio less Avg Margin (99)	25.0%	29.8%	47.6%	55.0%	45.6%	38.3%	24.8%	50.8%	26.4%	85.7%	42.4%	42.3%	39.4%	44.2%	39.6%
Deviation from Average Loss Ratio less Avg Margin (99.5)	32.0%	34.4%	72.3%	81.0%	74.8%	43.0%	36.9%	99.0%	28.3%	158.5%	66.1%	61.6%	61.9%	73.3%	59.2%
Claims-Based Risk Factor (87.5)	0.077	0.080	0.142	0.187	0.139	0.082	0.061	0.066	0.046	0.126	0.099	0.118	0.077	0.077	0.102
Claims-Based Risk Factor (90)	0.090	0.089	0.183	0.187	0.156	0.098	0.079	0.101	0.058	0.138	0.116	0.137	0.094	0.095	0.120
Claims-Based Risk Factor (95)	0.143	0.156	0.227	0.227	0.227	0.156	0.109	0.136	0.109	0.199	0.182	0.187	0.136	0.136	0.186
Claims-Based Risk Factor (97.5)	0.182	0.194	0.337	0.462	0.308	0.273	0.224	0.314	0.222	0.382	0.321	0.319	0.245	0.267	0.285
Claims-Based Risk Factor (98)	0.205	0.218	0.378	0.466	0.329	0.319	0.235	0.406	0.241	0.430	0.363	0.345	0.295	0.328	0.319
Claims-Based Risk Factor (99)	0.296	0.383	0.678	0.844	0.480	0.389	0.296	0.814	0.389	0.863	0.607	0.486	0.623	0.472	0.619
Claims-Based Risk Factor (99.5)	0.379	0.407	0.868	0.971	0.883	0.515	0.444	1.163	0.341	1.809	0.725	0.739	0.722	0.887	0.701

Comprehensive	1-Year Horizon (All)			1-Year Horizon (Ind)			1-Year Horizon (Grp)			3-Year Horizon (All)			3-Year Horizon (Ind)			3-Year Horizon (Grp)			5-Year Horizon (All)			5-Year Horizon (Ind)			5-Year Horizon (Grp)		
	LT \$100M			GE \$100M			LT \$100M			GE \$100M			LT \$100M			GE \$100M			LT \$100M			GE \$100M			LT \$100M		
	Total			Total			Total			Total			Total			Total			Total			Total					
Closest to	1,211	2,124	2,626	1,201	883	2,184	1,184	1,713	2,899	580	842	1,054	487	288	773	419	368	927	886	447	423	981	886	425	342	867	
Total Revenue (\$M)	\$ 47,863	\$ 1,979,202	\$ 2,005,866	\$ 38,423	\$ 424,851	\$ 463,305	\$ 38,892	\$ 1,446,707	\$ 1,456,559	\$ 50,543	\$ 1,861,585	\$ 1,852,128	\$ 43,816	\$ 403,472	\$ 447,268	\$ 36,794	\$ 1,292,069	\$ 1,328,853	\$ 59,788	\$ 1,970,890	\$ 2,030,677	\$ 51,213	\$ 388,906	\$ 450,218	\$ 1,434,048	\$ 1,479,644	
Average Annual Revenue/Entity	\$ 31.5	\$ 931.4	\$ 557.3	\$ 30.3	\$ 481.2	\$ 214.1	\$ 30.8	\$ 843.6	\$ 512.4	\$ 90.3	\$ 2,896.2	\$ 1,540.9	\$ 97.8	\$ 90.3	\$ 1,410.7	\$ 578.8	\$ 97.8	\$ 2,543.4	\$ 1,433.5	\$ 131.8	\$ 4,551.7	\$ 2,307.6	\$ 132.3	\$ 2,305.8	\$ 802.5	\$ 2,209.4	
Average Combined Ratio - Weighted	102.2%	97.8%	97.9%	102.0%	96.5%	96.9%	102.0%	98.0%	98.1%	102.0%	97.0%	97.0%	102.0%	96.5%	97.0%	102.0%	98.0%	98.1%	102.0%	97.0%	97.9%	102.0%	96.5%	96.7%	102.2%	97.5%	96.0%
Average Loss Ratio - Entity	86.2%	86.0%	86.3%	83.0%	83.0%	83.0%	86.7%	84.2%	85.2%	86.3%	85.1%	86.6%	86.2%	84.1%	85.6%	86.3%	84.1%	85.4%	86.3%	84.1%	85.4%	87.7%	83.8%	86.5%	83.8%	84.2%	85.8%
Average Loss Ratio - Weighted	86.2%	84.5%	84.5%	83.8%	81.5%	81.7%	86.0%	84.2%	84.2%	86.5%	84.5%	84.5%	86.1%	82.1%	82.5%	86.3%	84.2%	84.2%	86.3%	84.2%	84.2%	87.2%	84.4%	84.5%	86.4%	84.1%	84.2%
Loss Ratio - 50th Percentile	85.1%	84.9%	85.0%	81.9%	83.1%	82.4%	85.5%	84.2%	84.5%	86.0%	85.0%	85.5%	86.2%	84.0%	84.5%	86.3%	84.2%	84.5%	86.7%	85.4%	85.7%	84.7%	83.3%	84.3%	85.8%	84.4%	84.8%
Loss Ratio - 75th Percentile	94.6%	88.4%	91.0%	91.9%	90.5%	91.5%	93.7%	88.3%	89.9%	93.9%	88.9%	91.0%	94.5%	90.0%	92.9%	93.9%	87.5%	89.8%	95.6%	88.7%	91.6%	93.8%	89.3%	92.9%	93.8%	87.4%	89.8%
Loss Ratio - 87.5th Percentile	104.3%	93.2%	96.8%	100.0%	96.1%	98.1%	101.5%	91.2%	96.5%	101.5%	91.2%	96.5%	101.7%	95.2%	96.5%	99.7%	90.7%	98.1%	104.5%	91.6%	98.1%	106.4%	93.2%	100.9%	99.3%	89.9%	94.5%
Loss Ratio - 90th Percentile	108.3%	94.2%	98.8%	102.3%	97.3%	99.8%	103.6%	92.2%	98.2%	103.6%	92.2%	98.2%	103.9%	96.2%	100.6%	103.9%	91.1%	98.9%	109.6%	93.0%	100.4%	109.6%	93.0%	104.2%	106.6%	90.8%	96.9%
Loss Ratio - 95th Percentile	121.4%	97.6%	107.1%	114.4%	101.1%	109.1%	112.7%	94.6%	102.2%	112.7%	96.9%	107.4%	118.9%	98.6%	112.2%	118.9%	98.6%	109.7%	116.9%	96.6%	114.3%	106.5%	96.6%	109.7%	106.5%	92.7%	100.5%
Loss Ratio - 97.5th Percentile	140.3%	101.0%	118.5%	139.0%	104.0%	119.0%	127.2%	96.9%	110.9%	137.7%	98.0%	121.0%	139.0%	100.7%	123.9%	131.1%	95.9%	108.9%	139.0%	99.9%	120.1%	140.6%	98.8%	123.8%	114.6%	95.9%	106.4%
Loss Ratio - 98th Percentile	151.4%	101.9%	124.9%	139.9%	106.6%	127.9%	133.3%	98.0%	113.9%	140.2%	102.4%	123.9%	142.8%	96.0%	112.1%	154.0%	101.0%	123.3%	154.0%	101.0%	123.3%	154.0%	101.0%	123.3%	118.4%	95.9%	107.9%
Loss Ratio - 99th Percentile	213.5%	106.4%	141.7%	178.9%	111.9%	148.7%	166.0%	100.0%	127.8%	182.1%	103.5%	139.3%	184.5%	104.4%	145.3%	135.1%	96.8%	123.6%	178.7%	104.2%	154.2%	196.9%	104.6%	165.6%	123.8%	97.2%	118.0%
Loss Ratio - 99.5th Percentile	284.3%	114.0%	180.7%	201.9%	117.8%	193.1%	207.8%	102.8%	155.6%	214.5%	105.2%	161.0%	257.3%	111.0%	177.2%	198.0%	98.1%	130.5%	456.7%	106.6%	179.2%	277.7%	105.5%	264.7%	143.4%	97.7%	123.8%
Deviation from Average Loss Ratio (50th Percentile)	-1.1%	0.5%	0.5%	-1.8%	1.6%	0.7%	-0.5%	0.0%	0.2%	0.1%	0.5%	1.0%	-1.8%	2.5%	2.0%	0.0%	0.2%	0.6%	-0.5%	1.0%	1.1%	-2.2%	2.1%	2.5%	-0.6%	0.2%	0.6%
Deviation from Average Loss Ratio (75th Percentile)	8.4%	5.0%	6.5%	8.1%	9.0%	9.8%	7.7%	4.1%	5.7%	8.7%	4.4%	6.5%	8.7%	7.9%	10.5%	7.6%	3.4%	5.6%	8.5%	4.3%	7.0%	8.7%	5.1%	11.1%	7.4%	3.3%	5.7%
Deviation from Average Loss Ratio (87.5th Percentile)	18.1%	8.7%	12.2%	20.2%	14.6%	16.4%	15.4%	7.1%	10.3%	17.0%	7.2%	11.9%	15.6%	13.1%	16.2%	13.4%	6.8%	10.9%	17.3%	7.2%	12.6%	15.9%	12.0%	19.1%	12.9%	5.8%	10.3%
Deviation from Average Loss Ratio (90th Percentile)	22.1%	9.8%	14.3%	21.8%	10.5%	18.1%	17.8%	8.0%	11.9%	21.7%	8.4%	13.9%	17.5%	12.4%	18.2%	15.7%	6.9%	11.8%	22.4%	8.2%	15.9%	22.9%	12.7%	22.4%	24.1%	6.6%	11.4%
Deviation from Average Loss Ratio (95th Percentile)	35.2%	13.2%	22.6%	30.7%	19.6%	27.4%	28.7%	10.4%	18.0%	35.8%	11.4%	22.8%	33.8%	16.5%	29.7%	24.5%	9.1%	17.9%	32.8%	12.0%	25.2%	30.0%	15.6%	32.5%	20.3%	8.6%	16.3%
Deviation from Average Loss Ratio (97.5th Percentile)	54.0%	16.6%	34.6%	51.2%	22.5%	37.5%	41.0%	12.7%	26.7%	51.2%	13.1%	36.4%	51.2%	18.7%	41.4%	54.8%	11.4%	24.7%	51.8%	15.4%	35.5%	53.1%	17.7%	41.9%	28.2%	10.5%	22.3%
Deviation from Average Loss Ratio (98th Percentile)	65.2%	17.5%	40.3%	66.2%	25.1%	46.2%	45.3%	13.8%	29.5%	65.2%	14.8%	34.9%	65.2%	20.4%	50.0%	68.0%	11.9%	27.9%	66.8%	16.6%	38.7%	68.0%	18.9%	53.4%	32.1%	11.4%	23.7%
Deviation from Average Loss Ratio (99th Percentile)	127.3%	21.9%	57.2%	95.2%	30.4%	67.0%	80.5%	15.8%	43.6%	75.5%	19.1%	54.8%	78.5%	22.3%	62.9%	48.8%	12.6%	38.4%	91.5%	19.7%	69.7%	110.0%	23.4%	83.7%	37.5%	13.1%	33.9%
Deviation from Average Loss Ratio (99.5th Percentile)	198.1%	28.5%	106.2%	218.1%	36.3%	111.4%	121.8%	18.6%	71.3%	131.9%	18.6%	76.4%	171.8%	25.4%	94.7%	111.7%	14.0%	46.3%	111.7%	14.0%	46.3%	369.5%	22.1%	94.7%	57.0%	13.6%	38.6%
Average Margin (1 - Combined)	-3.2%	2.2%	2.1%	-1.0%	3.5%	3.1%	-2.9%	2.0%	1.9%	-0.6%	2.2%	2.0%	-1.6%	3.5%	3.0%	-3.0%	2.0%	1.9%	-3.2%	2.2%	2.1%	-1.9%	4.0%	3.3%	-2.7%	2.1%	2.0%
Deviation from Average Loss Ratio less Avg Margin (87.5)	21.3%	6.5%	10.2%	17.3%	11.1%	13.3%	18.3%	5.0%	8.4%	20.6%	5.1%	9.9%	17.2%	9.6%	13.1%	43.6%	16.4%	8.9%	25.6%	5.0%	11.9%	21.4%	8.1%	15.8%	15.8%	3.7%	8.4%
Deviation from Average Loss Ratio less Avg Margin (90)	25.3%	7.6%	12.3%	19.6%	12.3%	15.0%	19.4%	5.9%	10.9%	25.3%	6.2%	11.9%	18.6%	4.9%	9.9%	18.6%	6.3%	13.8%	25.6%	6.3%	13.8%	24.8%	8.9%	18.1%	17.7%	4.5%	9.5%
Deviation from Average Loss Ratio less Avg Margin (95)	38.4%	11.0%	20.6%	31.7%	16.1%	24.3%	29.5%	8.4%	16.1%	39.4%	9.2%	20.8%	35.4%	13.0%	26.7%	35.4%	13.0%	26.7%	37.5%	7.1%	15.1%	36.1%	9.8%	23.1%	22.8%	6.5%	14.4%
Deviation from Average Loss Ratio less Avg Margin (97.5)	57.2%	14.4%	31.9%	52.3%	19.0%	34.6%	44.0%	10.7%	24.8%	54.8%	11.3%	34.4%	54.8%	15.2%	38.4%	54.8%	9.3%	22.8%	55.0%	13.2%	33.9%	55.0%	13.2%	38.6%	31.8%	8.8%	20.3%
Deviation from Average Loss Ratio less Avg Margin (98)	68.4%	15.3%	38.3%	67.2%	21.6%	43.1%	48.2%	11.8%	27.6%	57.0%	12.6%	37.5%	55.6%	16.9%	47.0%	41.5%	9.8%	26.0%	69.3%	14.3%	36.6%	70.0%	14.3%	36.6%	34.4%	9.3%	21.7%
Deviation from Average Loss Ratio less Avg Margin (99)	130.5%	19.7%	55.1%	98.2%	28.9%	63.9%	82.4%	13.8%	41.7%	79.1%	16.5%	52.7%	80.2%	18.8%	59.8%	61.8%	13.8%	37.6%	94.8%	17.5%	67.6%	111.9%	19.4%	80.4%	40.2%	11.0%	31.9%
Deviation from Average Loss Ratio less Avg Margin (99.5)	201.3%	27.3%	104.1%	210.1%	32.8%	108.3%	124.8%	16.6%	68.4%	135.0%	18.6%	74.4%	172.8%	25.4%	91.7%	114.7%	12.0%	44.4%	111.7%	18.9%	92.6%	372.7%	18.9%	92.6%	59.8%	11.5%	37.6%
Claims-Based Risk Factor (87.5)	0.247	0.077	0.120	0.206	0.136	0.162	0.213	0.060	0.099	0.238	0.060	0.117	0.200	0.117	0.159	0.180	0.054	0.096	0.238	0.069	0.136	0.247	0.099	0.193	0.181	0.044	0.100
Claims-Based Risk Factor (90)	0.293	0.093	0.146	0.234	0.151	0.184	0.237	0.071	0.119	0.282	0.074	0.141	0.238	0.111	0.184	0.218	0.069	0.117	0.293	0.078	0.169	0.293	0.088	0.197	0.197	0.054	0.113
Claims-Based Risk Factor (95)	0.419	0.139	0.240	0.406	0.197	0.286	0.440	0.190	0.286	0.540	0.190	0.340	0.440	0.240	0.390	0.440	0.140	0.240	0.440	0.140	0.240	0.440	0.140	0.240	0.440	0.140	0.240
Claims-Based Risk Factor (97.5)	0.664	0.170	0.287	0.624	0.233	0.294	0.632	0.134	0.247	0.632	0.134	0.247	0.632	0.134	0.247	0.632	0.134	0.247	0.632	0.134	0.247	0.632	0.134	0.247	0.632	0.134	0.247
Claims-Based Risk Factor (99)	0.793	0.181	0.463	0.683	0.264	0.328	0.686	0.140	0.238	0.686	0.140	0.238	0.686	0.140	0.238	0.686	0.140	0.238	0.686	0.140	0.238	0.686	0.140	0.238	0.686	0.140	0.238
Claims-Based Risk Factor (99.5)	1.023	0.233	0.440	0.946	0.286	0.364	0.946	0.286	0.364	0.946	0.286	0.364	0.946	0.286	0.364	0.946	0.286	0.364	0.946	0.286	0.364	0.946	0.286	0.364	0.946	0.286	0.364
Claims-Based Risk Factor (99.5)	1.294	0.333	0.522	1.268	0.406	0.468	1.268	0.406	0.468	1.268	0.406	0.468	1.268	0.406	0.468	1.268	0.406	0.468	1.268	0.406	0.468	1.268	0.406	0.468	1.268	0.406	0.468

Appendix 2.D.2
Medicaid Historical Health Risk Analysis
Data Sources: Analysis of Operations by Line of Business (2012-2021)

Medicaid	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average 2012-2021	Average 2017-2021	Average 2012-2019
Entity Count	198	204	213	216	216	216	217	215	225	230	215	221	212
Total Revenue (\$M)	\$ 78,080	\$ 88,365	\$ 115,268	\$ 149,449	\$ 170,794	\$ 181,539	\$ 192,709	\$ 208,141	\$ 241,650	\$ 277,068			
Average Revenue/Entity	\$ 394.3	\$ 433.2	\$ 541.2	\$ 691.9	\$ 790.7	\$ 840.5	\$ 888.1	\$ 968.1	\$ 1,074.0	\$ 1,204.6			
Average Combined Ratio - Weighted	99.4%	98.7%	98.0%	97.6%	99.2%	99.4%	99.5%	100.0%	97.2%	96.7%	98.6%	98.5%	99.0%
Average Loss Ratio - Entity	87.9%	87.8%	86.6%	86.8%	85.6%	88.1%	88.2%	91.3%	85.2%	90.7%	87.8%	88.7%	87.8%
Average Loss Ratio - Weighted	87.8%	87.2%	85.8%	85.6%	87.0%	88.6%	87.5%	89.1%	85.2%	86.2%	87.0%	87.3%	87.3%
Loss Ratio - 50th Percentile	87.9%	87.4%	86.7%	86.0%	86.7%	88.4%	86.9%	89.2%	84.5%	85.2%	86.9%	86.8%	87.4%
Loss Ratio - 75th Percentile	91.2%	91.8%	90.3%	90.1%	90.3%	92.0%	91.4%	92.3%	88.1%	89.1%	90.7%	90.6%	91.2%
Loss Ratio - 87.5th Percentile	94.9%	94.8%	92.9%	93.4%	94.5%	95.6%	94.1%	95.2%	91.3%	92.0%	93.9%	93.6%	94.4%
Loss Ratio - 90th Percentile	95.4%	95.7%	94.7%	94.6%	95.1%	97.0%	95.1%	95.9%	92.4%	93.0%	94.9%	94.7%	95.4%
Loss Ratio - 95th Percentile	101.4%	99.3%	98.3%	98.5%	99.7%	103.0%	98.2%	98.5%	95.0%	96.4%	98.8%	98.2%	99.6%
Loss Ratio - 97.5th Percentile	109.6%	102.9%	110.1%	101.3%	105.6%	109.4%	103.8%	108.0%	96.0%	114.1%	106.1%	106.3%	106.3%
Loss Ratio - 98th Percentile	115.9%	104.7%	113.5%	102.8%	106.1%	110.1%	112.0%	117.1%	97.1%	122.6%	110.2%	111.8%	110.3%
Loss Ratio - 99th Percentile	148.0%	138.6%	118.6%	108.0%	115.7%	134.8%	148.3%	249.2%	117.7%	233.9%	151.3%	176.8%	145.1%
Loss Ratio - 99.5th Percentile	155.1%	161.1%	146.2%	111.5%	120.7%	175.1%	184.3%	304.9%	203.0%	448.5%	201.0%	263.2%	169.9%
Deviation from Average Loss Ratio (50th Percentile)	0.1%	0.2%	0.9%	0.4%	-0.3%	-0.2%	-0.6%	0.1%	-0.7%	-1.0%	-0.1%	-0.5%	0.1%
Deviation from Average Loss Ratio (75th Percentile)	3.4%	4.6%	4.6%	4.4%	3.3%	3.3%	3.9%	3.2%	2.9%	3.0%	3.7%	3.3%	3.8%
Deviation from Average Loss Ratio (87.5th Percentile)	7.1%	7.6%	7.1%	7.8%	7.5%	7.0%	6.5%	6.1%	6.1%	5.8%	6.8%	6.3%	7.1%
Deviation from Average Loss Ratio (90th Percentile)	7.6%	8.4%	8.9%	9.0%	8.1%	8.3%	7.6%	6.8%	7.2%	6.8%	7.9%	7.4%	8.1%
Deviation from Average Loss Ratio (95th Percentile)	13.5%	12.0%	12.5%	12.8%	12.7%	14.4%	10.6%	9.5%	9.8%	10.2%	11.8%	10.9%	12.2%
Deviation from Average Loss Ratio (97.5th Percentile)	21.7%	15.7%	24.3%	15.7%	18.6%	20.8%	16.3%	18.9%	10.8%	27.9%	19.1%	18.9%	19.0%
Deviation from Average Loss Ratio (98th Percentile)	28.1%	17.5%	27.7%	17.2%	19.1%	21.5%	24.5%	28.0%	11.9%	36.4%	23.2%	24.5%	22.9%
Deviation from Average Loss Ratio (99th Percentile)	60.1%	51.3%	32.8%	22.4%	28.7%	46.2%	60.7%	160.1%	32.5%	147.7%	64.3%	89.4%	57.8%
Deviation from Average Loss Ratio (99.5th Percentile)	67.3%	73.9%	60.5%	25.9%	33.7%	86.5%	96.7%	215.8%	117.8%	362.3%	114.0%	175.8%	82.5%
Average Margin (1 - Combined)	0.6%	1.3%	2.0%	2.4%	0.8%	0.6%	0.5%	0.0%	2.8%	3.3%	1.4%	1.5%	1.0%
Deviation from Average Loss Ratio less Avg Margin (87.5)	6.5%	6.3%	5.2%	5.3%	6.7%	6.4%	6.0%	6.1%	3.2%	2.4%	5.4%	4.8%	6.1%
Deviation from Average Loss Ratio less Avg Margin (90)	7.0%	7.1%	6.9%	6.6%	7.3%	7.8%	7.1%	6.7%	4.4%	3.5%	6.4%	5.9%	7.1%
Deviation from Average Loss Ratio less Avg Margin (95)	12.9%	10.7%	10.5%	10.4%	11.8%	13.8%	10.1%	9.4%	7.0%	6.8%	10.4%	9.4%	11.2%
Deviation from Average Loss Ratio less Avg Margin (97.5)	21.1%	14.4%	22.4%	13.2%	17.8%	20.2%	15.8%	18.9%	8.0%	24.5%	17.6%	17.5%	18.0%
Deviation from Average Loss Ratio less Avg Margin (98)	27.5%	16.2%	25.7%	14.8%	18.3%	20.9%	24.0%	28.0%	9.0%	33.1%	21.7%	23.0%	21.9%
Deviation from Average Loss Ratio less Avg Margin (99)	59.5%	50.1%	30.8%	20.0%	27.8%	45.6%	60.2%	160.1%	29.7%	144.4%	62.8%	88.0%	56.8%
Deviation from Average Loss Ratio less Avg Margin (99.5)	66.7%	72.6%	58.5%	23.4%	32.9%	86.0%	96.2%	215.8%	114.9%	359.0%	112.6%	174.4%	81.5%
Claims-Based Risk Factor (87.5)	0.074	0.072	0.060	0.062	0.077	0.072	0.069	0.068	0.038	0.028	0.062	0.055	0.069
Claims-Based Risk Factor (90)	0.080	0.082	0.081	0.077	0.084	0.088	0.081	0.076	0.052	0.041	0.074	0.068	0.081
Claims-Based Risk Factor (95)	0.147	0.123	0.123	0.121	0.136	0.156	0.115	0.106	0.082	0.079	0.119	0.108	0.128
Claims-Based Risk Factor (97.5)	0.240	0.165	0.261	0.155	0.204	0.228	0.180	0.212	0.093	0.285	0.203	0.200	0.206
Claims-Based Risk Factor (98)	0.313	0.186	0.300	0.173	0.210	0.236	0.274	0.314	0.106	0.384	0.250	0.263	0.251
Claims-Based Risk Factor (99)	0.678	0.574	0.359	0.233	0.320	0.515	0.688	1.796	0.348	1.675	0.722	1.008	0.650
Claims-Based Risk Factor (99.5)	0.759	0.832	0.682	0.273	0.378	0.970	1.099	2.422	1.349	4.165	1.294	1.997	0.933

Medicaid	1-Year Horizon			2-Year Horizon			3-Year Horizon			4-Year Horizon			5-Year Horizon		
	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total
Entity Count	409	1,741	2,150	243	894	1,137	156	566	722	111	393	504	141	380	521
Total Revenue (\$M)	\$ 15,198	\$ 1,687,865	\$ 1,703,062	\$ 17,497	\$ 1,685,827	\$ 1,703,324	\$ 16,177	\$ 1,608,909	\$ 1,625,086	\$ 14,726	\$ 1,522,120	\$ 1,536,846	\$ 26,212	\$ 1,677,501	\$ 1,703,714
Average Annual Revenue/Entity	\$ 37.2	\$ 969.5	\$ 792.1	\$ 36.0	\$ 942.9	\$ 749.0	\$ 34.6	\$ 947.5	\$ 750.3	\$ 33.2	\$ 968.3	\$ 762.3	\$ 37.2	\$ 882.9	\$ 654.0
Average Combined Ratio - Weighted	102.7%	98.4%	98.4%	101.1%	98.4%	98.4%	99.4%	98.4%	98.4%	101.0%	98.3%	98.3%	99.8%	98.4%	98.4%
Average Loss Ratio - Entity	92.8%	86.6%	87.8%	90.6%	86.7%	87.5%	92.0%	86.8%	88.0%	93.9%	86.6%	88.2%	89.5%	86.9%	87.6%
Average Loss Ratio - Weighted	87.2%	86.9%	87.0%	87.1%	86.9%	86.9%	85.5%	86.9%	86.9%	87.1%	86.9%	86.9%	86.7%	86.9%	86.9%
Loss Ratio - 50th Percentile	85.5%	86.8%	86.7%	86.6%	86.8%	86.8%	85.9%	86.7%	86.6%	87.2%	86.6%	86.6%	85.6%	86.9%	86.6%
Loss Ratio - 75th Percentile	93.8%	90.6%	90.9%	94.0%	90.3%	90.8%	92.6%	90.2%	90.5%	93.0%	89.7%	90.2%	92.1%	90.0%	90.3%
Loss Ratio - 87.5th Percentile	104.8%	93.2%	94.2%	100.6%	93.0%	94.0%	98.6%	93.2%	93.6%	107.3%	92.6%	93.3%	98.0%	92.5%	93.0%
Loss Ratio - 90th Percentile	109.2%	94.1%	95.1%	103.0%	93.9%	95.0%	103.9%	93.6%	94.2%	110.8%	92.9%	94.2%	100.9%	93.0%	93.6%
Loss Ratio - 95th Percentile	147.9%	96.4%	98.7%	123.0%	95.6%	97.9%	136.7%	95.3%	97.8%	133.3%	95.0%	98.2%	120.8%	94.9%	97.8%
Loss Ratio - 97.5th Percentile	192.5%	98.5%	107.4%	159.1%	97.7%	106.1%	232.4%	97.1%	105.2%	196.0%	96.3%	109.8%	141.7%	96.7%	107.2%
Loss Ratio - 98th Percentile	247.5%	99.2%	111.5%	188.6%	98.2%	107.7%	264.5%	98.2%	112.2%	235.4%	96.8%	114.7%	152.9%	97.8%	111.6%
Loss Ratio - 99th Percentile	399.4%	103.0%	143.7%	335.5%	101.0%	127.5%	404.4%	102.1%	139.6%	331.3%	99.7%	136.5%	268.7%	107.6%	128.7%
Loss Ratio - 99.5th Percentile	480.4%	107.5%	188.8%	465.6%	107.0%	165.6%	483.7%	105.8%	243.6%	440.6%	107.4%	212.8%	399.6%	112.9%	159.0%
Deviation from Average Loss Ratio (50th Percentile)	-1.7%	-0.2%	-0.3%	-0.5%	-0.1%	-0.2%	0.3%	-0.2%	-0.3%	0.1%	-0.3%	-0.3%	-1.1%	-0.1%	-0.3%
Deviation from Average Loss Ratio (75th Percentile)	6.6%	3.7%	4.0%	7.0%	3.3%	3.9%	7.0%	3.3%	3.6%	5.8%	2.9%	3.4%	5.5%	3.0%	3.4%
Deviation from Average Loss Ratio (87.5th Percentile)	17.6%	6.3%	7.3%	13.6%	6.1%	7.1%	13.1%	6.2%	6.7%	20.2%	5.7%	6.4%	11.3%	5.5%	6.1%
Deviation from Average Loss Ratio (90th Percentile)	21.9%	7.2%	8.2%	16.0%	6.9%	8.0%	18.4%	6.7%	7.3%	23.6%	6.1%	7.3%	14.2%	6.1%	6.6%
Deviation from Average Loss Ratio (95th Percentile)	60.7%	9.4%	11.7%	35.9%	8.7%	10.9%	51.2%	8.4%	10.9%	46.2%	8.1%	11.4%	34.1%	8.0%	10.9%
Deviation from Average Loss Ratio (97.5th Percentile)	105.3%	11.6%	20.5%	72.0%	10.8%	19.1%	146.8%	10.2%	18.3%	108.9%	9.4%	22.9%	55.1%	9.8%	20.3%
Deviation from Average Loss Ratio (98th Percentile)	160.2%	12.2%	24.6%	101.5%	11.2%	20.7%	179.0%	11.2%	25.3%	148.2%	10.0%	27.8%	66.2%	10.8%	24.7%
Deviation from Average Loss Ratio (99th Percentile)	312.2%	16.0%	56.8%	248.5%	14.1%	40.6%	318.9%	15.1%	52.7%	244.2%	12.8%	49.7%	182.0%	20.6%	41.7%
Deviation from Average Loss Ratio (99.5th Percentile)	393.2%	20.5%	101.8%	378.5%	20.1%	78.7%	398.2%	18.8%	156.7%	353.5%	20.5%	126.0%	312.9%	25.9%	72.1%
Average Margin (1 - Combined)	-2.7%	1.6%	1.6%	-1.1%	1.6%	1.6%	0.6%	1.6%	1.6%	-1.0%	1.7%	1.7%	0.2%	1.6%	1.6%
Deviation from Average Loss Ratio less Avg Margin (87.5)	20.3%	4.6%	5.7%	14.7%	4.5%	5.5%	12.5%	4.6%	5.1%	21.2%	4.0%	4.7%	11.1%	3.9%	4.5%
Deviation from Average Loss Ratio less Avg Margin (90)	24.6%	5.5%	6.6%	17.1%	5.3%	6.4%	17.8%	5.0%	5.7%	24.6%	4.4%	5.6%	14.0%	4.5%	5.0%
Deviation from Average Loss Ratio less Avg Margin (95)	63.4%	7.8%	10.1%	37.1%	7.1%	9.3%	50.5%	6.7%	9.3%	47.2%	6.4%	9.7%	33.9%	6.3%	9.3%
Deviation from Average Loss Ratio less Avg Margin (97.5)	108.0%	9.9%	18.9%	73.1%	9.2%	17.5%	146.2%	8.5%	16.7%	109.9%	7.8%	21.3%	54.8%	8.2%	18.7%
Deviation from Average Loss Ratio less Avg Margin (98)	162.9%	10.6%	23.0%	102.6%	9.6%	19.1%	178.3%	9.6%	23.6%	149.2%	8.3%	26.1%	66.0%	9.2%	23.1%
Deviation from Average Loss Ratio less Avg Margin (99)	314.9%	14.4%	55.2%	249.6%	12.5%	39.0%	318.3%	13.5%	51.1%	245.2%	11.2%	48.0%	181.8%	19.0%	40.1%
Deviation from Average Loss Ratio less Avg Margin (99.5)	395.9%	18.9%	100.2%	379.7%	18.5%	77.1%	397.6%	17.2%	155.0%	354.5%	18.8%	124.3%	312.7%	24.3%	70.5%
Claims-Based Risk Factor (87.5)	0.233	0.053	0.065	0.169	0.052	0.063	0.146	0.053	0.058	0.243	0.046	0.055	0.128	0.045	0.052
Claims-Based Risk Factor (90)	0.282	0.064	0.076	0.196	0.061	0.074	0.208	0.058	0.065	0.283	0.050	0.065	0.161	0.052	0.058
Claims-Based Risk Factor (95)	0.726	0.090	0.116	0.426	0.081	0.107	0.591	0.077	0.107	0.542	0.074	0.112	0.391	0.073	0.107
Claims-Based Risk Factor (97.5)	1.238	0.114	0.217	0.840	0.106	0.202	1.709	0.098	0.192	1.261	0.089	0.245	0.632	0.094	0.215
Claims-Based Risk Factor (98)	1.868	0.122	0.264	1.179	0.111	0.220	2.085	0.110	0.272	1.713	0.095	0.301	0.761	0.106	0.266
Claims-Based Risk Factor (99)	3.611	0.165	0.635	2.867	0.144	0.448	3.721	0.155	0.588	2.814	0.129	0.553	2.097	0.219	0.461
Claims-Based Risk Factor (99.5)	4.539	0.217	1.152	4.361	0.212	0.886	4.648	0.198	1.784	4.069	0.217	1.431	3.607	0.280	0.811

Appendix 2.D.3

Medicare Supplemental Historical Health Risk Analysis

Data Sources: Analysis of Operations by Line of Business (2012-2021)

Medicare Supplement	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average 2012-2021	Average 2017-2021	Average 2012-2019
Entity Count	117	119	116	121	123	125	126	125	131	133	124	128	122
Total Revenue (\$M)	\$ 8,066	\$ 8,147	\$ 8,411	\$ 9,113	\$ 9,577	\$ 10,081	\$ 10,235	\$ 10,961	\$ 11,448	\$ 12,009			
Average Revenue/Entity	\$ 68.9	\$ 68.5	\$ 72.5	\$ 75.3	\$ 77.9	\$ 80.6	\$ 81.2	\$ 87.7	\$ 87.4	\$ 90.3			
Average Combined Ratio - Weighted	96.8%	96.3%	93.1%	98.7%	97.2%	95.6%	96.6%	100.1%	92.9%	96.3%	96.4%	96.3%	96.8%
Average Loss Ratio - Entity	77.8%	80.6%	75.7%	79.6%	78.0%	80.9%	81.5%	80.1%	72.9%	78.8%	78.6%	78.8%	79.3%
Average Loss Ratio - Weighted	80.0%	79.2%	76.6%	80.6%	79.6%	77.4%	78.8%	80.3%	73.4%	77.1%	78.3%	77.4%	79.1%
Loss Ratio - 50th Percentile	75.8%	75.8%	75.3%	77.9%	76.9%	77.0%	77.8%	80.4%	71.8%	77.7%	76.6%	76.9%	77.1%
Loss Ratio - 75th Percentile	84.1%	82.7%	81.6%	83.0%	81.5%	81.3%	83.4%	85.9%	79.2%	83.4%	82.6%	82.6%	82.9%
Loss Ratio - 87.5th Percentile	92.7%	92.8%	86.1%	89.5%	90.3%	89.7%	92.1%	94.9%	86.9%	92.3%	90.7%	91.2%	91.0%
Loss Ratio - 90th Percentile	97.6%	94.9%	86.9%	93.7%	93.8%	94.0%	94.4%	95.4%	88.9%	95.0%	93.4%	93.5%	93.8%
Loss Ratio - 95th Percentile	110.7%	107.0%	94.2%	99.9%	102.3%	103.5%	111.4%	100.3%	95.7%	107.7%	103.3%	103.7%	103.7%
Loss Ratio - 97.5th Percentile	118.5%	158.7%	100.7%	143.3%	109.0%	122.4%	127.9%	108.2%	101.8%	119.2%	121.0%	115.9%	123.6%
Loss Ratio - 98th Percentile	123.8%	166.4%	104.5%	145.4%	111.7%	144.6%	129.9%	111.6%	102.7%	126.2%	126.7%	123.0%	129.7%
Loss Ratio - 99th Percentile	145.3%	180.5%	117.9%	154.7%	126.8%	198.6%	141.0%	115.6%	103.6%	150.6%	143.5%	141.9%	147.5%
Loss Ratio - 99.5th Percentile	165.4%	210.8%	135.6%	177.4%	141.6%	279.0%	255.9%	117.2%	106.3%	166.4%	175.6%	184.9%	185.4%
Deviation from Average Loss Ratio (50th Percentile)	-4.3%	-3.5%	-1.3%	-2.7%	-2.7%	-0.4%	-1.0%	0.1%	-1.6%	0.6%	-1.7%	-0.5%	-2.0%
Deviation from Average Loss Ratio (75th Percentile)	4.0%	3.5%	5.1%	2.5%	1.9%	3.9%	4.6%	5.5%	5.8%	6.3%	4.3%	5.2%	3.9%
Deviation from Average Loss Ratio (87.5th Percentile)	12.6%	13.6%	9.5%	9.0%	10.7%	12.3%	13.3%	14.5%	13.6%	15.2%	12.4%	13.8%	11.9%
Deviation from Average Loss Ratio (90th Percentile)	17.6%	15.7%	10.3%	13.1%	14.2%	16.6%	15.6%	15.0%	15.5%	17.9%	15.1%	16.1%	14.7%
Deviation from Average Loss Ratio (95th Percentile)	30.7%	27.8%	17.7%	19.4%	22.7%	26.1%	32.6%	20.0%	22.4%	30.6%	25.0%	26.3%	24.6%
Deviation from Average Loss Ratio (97.5th Percentile)	38.4%	79.5%	24.1%	62.8%	29.3%	45.0%	49.1%	27.9%	28.5%	42.1%	42.7%	38.5%	44.5%
Deviation from Average Loss Ratio (98th Percentile)	43.8%	87.2%	27.9%	64.8%	32.1%	67.2%	51.1%	31.3%	29.3%	49.1%	48.4%	45.6%	50.7%
Deviation from Average Loss Ratio (99th Percentile)	65.2%	101.3%	41.3%	74.1%	47.2%	121.2%	62.1%	35.3%	30.3%	73.5%	65.2%	64.5%	68.5%
Deviation from Average Loss Ratio (99.5th Percentile)	85.4%	131.6%	59.0%	96.8%	62.0%	201.6%	177.1%	36.9%	32.9%	89.3%	97.2%	107.5%	106.3%
Average Margin (1 - Combined)	3.2%	3.7%	6.9%	1.3%	2.8%	4.4%	3.4%	-0.1%	7.1%	3.7%	3.6%	3.7%	3.2%
Deviation from Average Loss Ratio less Avg Margin (87.5)	9.4%	9.8%	2.6%	7.7%	7.9%	7.9%	9.9%	14.6%	6.5%	11.5%	8.8%	10.1%	8.7%
Deviation from Average Loss Ratio less Avg Margin (90)	14.4%	11.9%	3.4%	11.8%	11.4%	12.2%	12.2%	15.1%	8.5%	14.2%	11.5%	12.4%	11.5%
Deviation from Average Loss Ratio less Avg Margin (95)	27.5%	24.1%	10.7%	18.1%	19.8%	21.7%	29.3%	20.1%	15.3%	26.9%	21.3%	22.7%	21.4%
Deviation from Average Loss Ratio less Avg Margin (97.5)	35.2%	75.7%	17.2%	61.5%	26.5%	40.6%	45.7%	28.0%	21.4%	38.4%	39.0%	34.8%	41.3%
Deviation from Average Loss Ratio less Avg Margin (98)	40.6%	83.4%	21.0%	63.5%	29.3%	62.8%	47.7%	31.4%	22.2%	45.4%	44.7%	41.9%	47.5%
Deviation from Average Loss Ratio less Avg Margin (99)	62.0%	97.5%	34.4%	72.9%	44.4%	116.8%	58.8%	35.4%	23.2%	69.8%	61.5%	60.8%	65.3%
Deviation from Average Loss Ratio less Avg Margin (99.5)	82.2%	127.9%	52.1%	95.5%	59.1%	197.2%	173.7%	37.0%	25.8%	85.6%	93.6%	103.9%	103.1%
Claims-Based Risk Factor (87.5)	0.118	0.124	0.034	0.095	0.099	0.102	0.126	0.182	0.088	0.149	0.112	0.130	0.111
Claims-Based Risk Factor (90)	0.179	0.151	0.044	0.147	0.143	0.158	0.155	0.188	0.115	0.184	0.147	0.160	0.146
Claims-Based Risk Factor (95)	0.343	0.304	0.140	0.224	0.249	0.281	0.371	0.250	0.208	0.349	0.273	0.293	0.271
Claims-Based Risk Factor (97.5)	0.440	0.956	0.225	0.763	0.333	0.525	0.580	0.348	0.291	0.498	0.498	0.450	0.523
Claims-Based Risk Factor (98)	0.507	1.053	0.274	0.788	0.368	0.812	0.605	0.391	0.303	0.589	0.571	0.541	0.600
Claims-Based Risk Factor (99)	0.775	1.231	0.449	0.904	0.557	1.510	0.746	0.441	0.316	0.905	0.785	0.785	0.825
Claims-Based Risk Factor (99.5)	1.027	1.613	0.680	1.186	0.743	2.549	2.205	0.460	0.352	1.110	1.195	1.342	1.304

Medicare Supplement	1-Year Horizon			2-Year Horizon			3-Year Horizon			4-Year Horizon			5-Year Horizon		
	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total
Entity Count	543	693	1,236	292	353	645	182	213	395	127	145	272	137	144	281
Total Revenue (\$M)	\$ 1,413	\$ 96,635	\$ 98,048	\$ 1,450	\$ 96,371	\$ 97,821	\$ 1,367	\$ 88,993	\$ 90,360	\$ 1,305	\$ 80,865	\$ 82,170	\$ 1,661	\$ 96,785	\$ 98,445
Average Annual Revenue/Entity	\$ 2.6	\$ 139.4	\$ 79.3	\$ 2.5	\$ 136.5	\$ 75.8	\$ 2.5	\$ 139.3	\$ 76.3	\$ 2.6	\$ 139.4	\$ 75.5	\$ 2.4	\$ 134.4	\$ 70.1
Average Combined Ratio - Weighted	105.2%	96.2%	96.4%	105.8%	95.9%	96.0%	107.4%	96.2%	96.4%	108.3%	96.2%	96.4%	106.5%	96.2%	96.4%
Average Loss Ratio - Entity	80.9%	76.7%	78.6%	81.2%	76.6%	78.7%	82.6%	76.7%	79.4%	81.7%	76.6%	79.0%	86.5%	77.0%	81.6%
Average Loss Ratio - Weighted	80.7%	78.1%	78.2%	81.5%	77.9%	78.0%	82.4%	78.2%	78.3%	81.4%	78.1%	78.2%	81.2%	78.4%	78.4%
Loss Ratio - 50th Percentile	78.9%	75.9%	76.6%	79.7%	75.8%	76.7%	79.7%	76.1%	76.9%	80.4%	76.4%	77.7%	80.1%	76.5%	77.4%
Loss Ratio - 75th Percentile	89.4%	80.4%	83.1%	90.0%	80.5%	83.1%	90.4%	80.3%	83.6%	88.8%	79.8%	83.2%	90.8%	80.4%	83.5%
Loss Ratio - 87.5th Percentile	100.1%	84.0%	90.6%	99.5%	83.5%	91.9%	101.1%	82.7%	91.8%	96.1%	82.3%	89.7%	105.5%	82.8%	93.4%
Loss Ratio - 90th Percentile	104.0%	85.2%	94.6%	103.6%	84.8%	94.0%	102.6%	83.6%	95.2%	102.9%	83.8%	92.5%	109.3%	83.5%	95.0%
Loss Ratio - 95th Percentile	117.5%	90.1%	104.8%	120.1%	90.6%	104.5%	122.5%	88.8%	102.7%	122.8%	87.7%	103.1%	134.6%	88.2%	110.6%
Loss Ratio - 97.5th Percentile	145.4%	95.0%	117.8%	141.5%	94.0%	118.4%	141.9%	92.3%	122.9%	133.5%	94.3%	123.3%	164.7%	92.3%	137.3%
Loss Ratio - 98th Percentile	158.1%	95.5%	123.9%	146.3%	94.2%	130.5%	149.4%	95.3%	134.2%	141.4%	96.4%	127.9%	178.5%	94.2%	147.7%
Loss Ratio - 99th Percentile	185.9%	107.0%	157.6%	169.2%	103.6%	146.9%	171.0%	101.7%	152.8%	150.8%	100.0%	138.4%	218.4%	99.7%	175.0%
Loss Ratio - 99.5th Percentile	221.5%	132.7%	182.4%	202.8%	111.2%	167.1%	228.4%	107.3%	160.1%	157.4%	109.5%	150.7%	276.6%	116.8%	217.8%
Deviation from Average Loss Ratio (50th Percentile)	-1.8%	-2.3%	-1.6%	-1.8%	-2.1%	-1.2%	-2.7%	-2.2%	-1.4%	-1.0%	-1.7%	-0.4%	-1.1%	-1.9%	-1.0%
Deviation from Average Loss Ratio (75th Percentile)	8.7%	2.3%	5.0%	8.5%	2.6%	5.1%	8.0%	2.1%	5.3%	7.5%	1.7%	5.0%	9.6%	2.1%	5.1%
Deviation from Average Loss Ratio (87.5th Percentile)	19.4%	5.9%	12.5%	18.0%	5.6%	14.0%	18.7%	4.5%	13.5%	14.8%	4.1%	11.5%	24.3%	4.5%	15.0%
Deviation from Average Loss Ratio (90th Percentile)	23.3%	7.0%	16.4%	22.1%	6.9%	16.0%	20.2%	5.3%	16.9%	21.5%	5.7%	14.3%	28.1%	5.2%	16.6%
Deviation from Average Loss Ratio (95th Percentile)	36.7%	12.0%	26.6%	38.6%	12.7%	26.6%	40.1%	10.6%	24.4%	41.5%	9.6%	24.9%	53.4%	9.9%	32.1%
Deviation from Average Loss Ratio (97.5th Percentile)	64.6%	16.9%	39.6%	60.0%	16.1%	40.4%	59.5%	14.1%	44.6%	52.1%	16.2%	45.2%	83.5%	13.9%	58.8%
Deviation from Average Loss Ratio (98th Percentile)	77.4%	17.3%	45.8%	64.7%	16.3%	52.5%	67.0%	17.1%	56.0%	60.0%	18.3%	49.8%	97.3%	15.8%	69.3%
Deviation from Average Loss Ratio (99th Percentile)	105.2%	28.8%	79.5%	87.6%	25.7%	68.9%	88.5%	23.5%	74.6%	69.5%	21.9%	60.3%	137.1%	21.3%	96.6%
Deviation from Average Loss Ratio (99.5th Percentile)	140.8%	54.6%	104.2%	121.3%	33.3%	89.1%	146.0%	29.1%	81.8%	76.1%	31.4%	72.5%	195.4%	38.4%	139.4%
Average Margin (1 - Combined)	-5.2%	3.8%	3.6%	-5.8%	4.1%	4.0%	-7.4%	3.8%	3.6%	-8.3%	3.8%	3.6%	-6.5%	3.8%	3.6%
Deviation from Average Loss Ratio less Avg Margin (87.5)	24.5%	2.1%	8.8%	23.8%	1.5%	10.0%	26.1%	0.7%	9.9%	23.0%	0.3%	7.9%	30.8%	0.7%	11.4%
Deviation from Average Loss Ratio less Avg Margin (90)	28.4%	3.3%	12.8%	27.8%	2.8%	12.1%	27.6%	1.5%	13.3%	29.8%	1.8%	10.7%	34.6%	1.4%	13.0%
Deviation from Average Loss Ratio less Avg Margin (95)	41.9%	8.2%	22.9%	44.3%	8.6%	22.6%	47.5%	6.8%	20.8%	49.8%	5.7%	21.3%	59.9%	6.1%	28.5%
Deviation from Average Loss Ratio less Avg Margin (97.5)	69.8%	13.1%	36.0%	65.8%	12.0%	36.5%	66.9%	10.3%	40.9%	60.4%	12.4%	41.5%	90.0%	10.1%	55.2%
Deviation from Average Loss Ratio less Avg Margin (98)	82.5%	13.6%	42.1%	70.5%	12.2%	48.6%	74.4%	13.2%	52.3%	68.3%	14.5%	46.1%	103.8%	12.0%	65.7%
Deviation from Average Loss Ratio less Avg Margin (99)	110.3%	25.1%	75.8%	93.4%	21.6%	64.9%	95.9%	19.7%	70.9%	77.8%	18.1%	56.6%	143.7%	17.5%	93.0%
Deviation from Average Loss Ratio less Avg Margin (99.5)	145.9%	50.8%	100.6%	127.1%	29.2%	85.1%	153.4%	25.3%	78.2%	84.4%	27.5%	68.9%	201.9%	34.7%	135.8%
Claims-Based Risk Factor (87.5)	0.304	0.027	0.113	0.291	0.020	0.129	0.316	0.009	0.126	0.283	0.004	0.101	0.379	0.009	0.146
Claims-Based Risk Factor (90)	0.352	0.042	0.163	0.341	0.036	0.155	0.335	0.020	0.170	0.366	0.023	0.137	0.426	0.018	0.166
Claims-Based Risk Factor (95)	0.519	0.105	0.294	0.544	0.110	0.290	0.577	0.086	0.265	0.612	0.073	0.272	0.737	0.077	0.364
Claims-Based Risk Factor (97.5)	0.864	0.168	0.460	0.807	0.154	0.468	0.812	0.132	0.523	0.742	0.158	0.532	1.109	0.129	0.704
Claims-Based Risk Factor (98)	1.022	0.174	0.539	0.865	0.156	0.623	0.903	0.169	0.668	0.840	0.186	0.590	1.279	0.153	0.837
Claims-Based Risk Factor (99)	1.366	0.321	0.970	1.146	0.277	0.833	1.164	0.252	0.906	0.956	0.231	0.724	1.769	0.224	1.186
Claims-Based Risk Factor (99.5)	1.807	0.650	1.287	1.559	0.375	1.092	1.861	0.323	0.999	1.037	0.352	0.881	2.487	0.442	1.732

Medicare (Title XVIII)	1-Year Horizon			2-Year Horizon			3-Year Horizon			4-Year Horizon			5-Year Horizon		
	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total
Entity Count	1,674	2,030	3,704	968	1,029	1,997	697	630	1,327	519	437	956	569	422	991
Total Revenue (\$M)	\$ 51,265	\$ 1,705,680	\$ 1,756,944	\$ 54,187	\$ 1,705,208	\$ 1,759,394	\$ 53,410	\$ 1,607,466	\$ 1,660,876	\$ 51,171	\$ 1,504,119	\$ 1,555,290	\$ 68,979	\$ 1,691,124	\$ 1,760,103
Average Annual Revenue/Entity	\$ 30.6	\$ 840.2	\$ 474.3	\$ 28.0	\$ 828.6	\$ 440.5	\$ 25.5	\$ 850.5	\$ 417.2	\$ 24.6	\$ 860.5	\$ 406.7	\$ 24.2	\$ 801.5	\$ 355.2
Average Combined Ratio - Weighted	105.8%	97.0%	97.3%	106.4%	97.0%	97.3%	106.1%	97.1%	97.4%	106.3%	97.1%	97.4%	105.1%	97.0%	97.3%
Average Loss Ratio - Entity	89.5%	86.8%	88.0%	89.7%	86.8%	88.2%	91.2%	87.0%	89.2%	89.9%	86.8%	88.5%	89.9%	86.8%	88.6%
Average Loss Ratio - Weighted	88.2%	85.4%	85.5%	88.4%	85.4%	85.5%	88.3%	85.4%	85.5%	88.4%	85.3%	85.4%	85.4%	85.4%	85.5%
Loss Ratio - 50th Percentile	88.0%	86.4%	86.9%	88.4%	86.2%	87.0%	88.5%	86.4%	87.2%	88.2%	86.1%	87.1%	88.5%	86.3%	87.5%
Loss Ratio - 75th Percentile	95.9%	90.4%	92.2%	95.1%	90.2%	92.1%	96.7%	90.2%	92.5%	96.2%	89.9%	92.4%	95.2%	89.8%	92.2%
Loss Ratio - 87.5th Percentile	104.1%	93.3%	97.9%	103.1%	93.0%	97.4%	103.6%	93.0%	98.5%	102.8%	92.6%	98.5%	103.3%	92.5%	98.1%
Loss Ratio - 90th Percentile	106.1%	94.3%	99.9%	105.7%	93.9%	99.6%	106.0%	93.9%	100.8%	104.5%	93.3%	100.2%	105.0%	93.1%	100.0%
Loss Ratio - 95th Percentile	115.8%	98.2%	106.1%	112.3%	96.7%	106.9%	112.6%	96.9%	107.1%	110.0%	95.7%	105.6%	111.0%	96.1%	106.1%
Loss Ratio - 97.5th Percentile	132.4%	101.5%	114.7%	126.5%	100.0%	111.8%	132.4%	99.7%	114.5%	117.7%	99.0%	110.6%	118.9%	99.0%	111.6%
Loss Ratio - 98th Percentile	139.6%	102.4%	118.3%	129.3%	100.8%	114.1%	143.5%	100.7%	117.8%	118.8%	99.4%	112.7%	122.7%	99.9%	113.8%
Loss Ratio - 99th Percentile	172.9%	105.8%	136.7%	143.0%	105.2%	129.0%	173.8%	102.7%	145.0%	127.8%	101.9%	119.0%	135.0%	102.0%	127.0%
Loss Ratio - 99.5th Percentile	197.6%	108.0%	168.9%	153.8%	107.5%	142.9%	223.3%	105.7%	175.3%	144.0%	105.3%	128.7%	143.3%	103.4%	135.8%
Deviation from Average Loss Ratio (50th Percentile)	-0.2%	1.0%	1.4%	0.0%	0.8%	1.5%	0.1%	0.9%	1.7%	-0.2%	0.8%	1.7%	0.0%	0.9%	2.0%
Deviation from Average Loss Ratio (75th Percentile)	7.7%	5.0%	6.7%	6.7%	4.8%	6.6%	8.3%	4.7%	7.0%	7.8%	4.6%	6.9%	6.6%	4.4%	6.8%
Deviation from Average Loss Ratio (87.5th Percentile)	15.9%	7.9%	12.4%	14.7%	7.6%	11.9%	15.3%	7.6%	13.0%	14.5%	7.2%	13.0%	14.8%	7.1%	12.6%
Deviation from Average Loss Ratio (90th Percentile)	17.9%	9.0%	14.4%	17.4%	8.5%	14.1%	17.7%	8.5%	15.3%	16.1%	8.0%	14.8%	16.5%	7.7%	14.5%
Deviation from Average Loss Ratio (95th Percentile)	27.6%	12.8%	20.6%	23.9%	11.3%	21.4%	24.3%	11.5%	21.6%	21.7%	10.3%	20.2%	22.5%	10.7%	20.6%
Deviation from Average Loss Ratio (97.5th Percentile)	44.2%	16.1%	29.3%	38.1%	14.6%	26.4%	44.1%	14.3%	29.0%	29.4%	13.7%	25.2%	30.4%	13.7%	26.2%
Deviation from Average Loss Ratio (98th Percentile)	51.5%	17.0%	32.8%	41.0%	15.4%	28.6%	55.1%	15.2%	32.3%	30.4%	14.0%	27.3%	34.2%	14.5%	28.3%
Deviation from Average Loss Ratio (99th Percentile)	84.7%	20.4%	51.2%	54.7%	19.8%	43.5%	85.5%	17.2%	59.5%	39.4%	16.6%	33.6%	46.4%	16.6%	41.5%
Deviation from Average Loss Ratio (99.5th Percentile)	109.4%	22.6%	83.4%	65.4%	22.1%	57.4%	134.9%	20.3%	89.8%	55.7%	20.0%	43.3%	54.8%	18.0%	50.3%
Average Margin (1 - Combined)	-5.8%	3.0%	2.7%	-6.4%	3.0%	2.7%	-6.1%	2.9%	2.6%	-6.3%	2.9%	2.6%	-5.1%	3.0%	2.7%
Deviation from Average Loss Ratio less Avg Margin (87.5)	21.7%	4.9%	9.7%	21.0%	4.6%	9.2%	21.4%	4.7%	10.4%	20.7%	4.3%	10.4%	19.9%	4.1%	9.9%
Deviation from Average Loss Ratio less Avg Margin (90)	23.7%	6.0%	11.7%	23.7%	5.5%	11.4%	23.7%	5.6%	12.7%	22.4%	5.0%	12.1%	21.6%	4.7%	11.8%
Deviation from Average Loss Ratio less Avg Margin (95)	33.4%	9.8%	17.9%	30.3%	8.3%	18.7%	30.4%	8.6%	19.0%	27.9%	7.4%	17.5%	27.6%	7.7%	17.9%
Deviation from Average Loss Ratio less Avg Margin (97.5)	50.0%	13.1%	26.6%	44.5%	11.6%	23.6%	50.1%	11.4%	26.4%	35.6%	10.7%	22.6%	35.5%	10.7%	23.5%
Deviation from Average Loss Ratio less Avg Margin (98)	57.3%	14.0%	30.1%	47.3%	12.4%	25.9%	61.2%	12.3%	29.7%	36.7%	11.1%	24.7%	39.3%	11.5%	25.6%
Deviation from Average Loss Ratio less Avg Margin (99)	90.5%	17.4%	48.5%	61.0%	16.8%	40.8%	91.5%	14.3%	56.9%	45.7%	13.7%	31.0%	51.6%	13.6%	38.8%
Deviation from Average Loss Ratio less Avg Margin (99.5)	115.3%	19.6%	80.7%	71.8%	19.1%	54.7%	141.0%	17.4%	87.2%	61.9%	17.1%	40.7%	59.9%	15.0%	47.6%
Claims-Based Risk Factor (87.5)	0.246	0.058	0.113	0.238	0.054	0.108	0.242	0.055	0.121	0.235	0.051	0.122	0.225	0.048	0.115
Claims-Based Risk Factor (90)	0.269	0.070	0.137	0.268	0.065	0.134	0.268	0.066	0.149	0.253	0.059	0.142	0.244	0.055	0.138
Claims-Based Risk Factor (95)	0.379	0.115	0.209	0.343	0.097	0.218	0.344	0.101	0.222	0.316	0.087	0.205	0.311	0.090	0.209
Claims-Based Risk Factor (97.5)	0.567	0.153	0.311	0.503	0.136	0.277	0.567	0.133	0.309	0.403	0.126	0.264	0.402	0.125	0.274
Claims-Based Risk Factor (98)	0.650	0.164	0.352	0.535	0.145	0.303	0.693	0.144	0.347	0.415	0.130	0.289	0.444	0.135	0.299
Claims-Based Risk Factor (99)	1.027	0.204	0.567	0.690	0.197	0.477	1.036	0.168	0.665	0.517	0.160	0.363	0.582	0.160	0.454
Claims-Based Risk Factor (99.5)	1.307	0.230	0.944	0.812	0.224	0.640	1.596	0.203	1.019	0.701	0.200	0.476	0.677	0.176	0.556

Appendix 2.D.5
Stand-Alone Part D Historical Health Risk Analysis
Data Sources: Accident and Health Policy Experience Exhibit (2012-2021)
PDP

PDP	1-Year Horizon			2-Year Horizon			3-Year Horizon			4-Year Horizon			5-Year Horizon		
	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total	LT \$100M	GE \$100M	Total
Entity Count	563	138	701	164	66	230	93	39	132	59	25	84	55	23	78
Total Revenue (\$M)	\$10,014	\$94,534	\$104,548	\$9,162	\$95,921	\$105,083	\$7,118	\$83,435	\$90,553	\$5,896	\$80,782	\$86,678	\$7,482	\$81,264	\$88,747
Average Annual Revenue/Entity	\$17.79	\$685.03	\$149.14	\$27.93	\$726.67	\$228.44	\$25.51	\$713.12	\$228.67	\$24.98	\$807.82	\$257.97	\$27.21	\$706.65	\$227.56
Average Combined Ratio - Weighted	98.16%	90.63%	90.95%	98.12%	90.48%	90.80%	98.49%	90.19%	90.57%	98.34%	89.55%	89.94%	95.50%	90.42%	90.63%
Average Loss Ratio - Entity	80.91%	79.00%	81.15%	80.57%	83.35%	81.30%	79.29%	82.70%	80.20%	79.62%	81.66%	80.14%	79.12%	81.87%	79.85%
Average Loss Ratio - Weighted	80.57%	79.00%	79.15%	80.25%	78.87%	78.99%	80.81%	78.51%	78.69%	80.48%	77.81%	77.99%	78.93%	78.80%	78.82%
Loss Ratio - 50th Percentile	79.09%	80.48%	79.36%	78.83%	81.38%	79.50%	77.80%	81.05%	79.04%	77.28%	80.33%	78.44%	77.82%	80.13%	78.71%
Loss Ratio - 75th Percentile	89.00%	88.33%	88.78%	85.74%	86.78%	86.65%	84.94%	85.62%	85.43%	84.04%	84.35%	84.42%	82.76%	82.90%	82.87%
Loss Ratio - 87.5th Percentile	98.88%	93.85%	97.39%	96.07%	92.70%	94.17%	91.67%	91.38%	91.57%	95.71%	91.05%	93.86%	92.22%	89.77%	91.84%
Loss Ratio - 90th Percentile	102.13%	95.06%	99.50%	98.22%	93.80%	96.52%	94.17%	92.93%	94.15%	97.83%	91.07%	96.15%	94.02%	91.61%	93.28%
Loss Ratio - 95th Percentile	111.88%	97.41%	107.94%	106.18%	99.23%	104.48%	99.62%	95.19%	99.04%	99.43%	94.10%	98.74%	99.76%	94.59%	98.67%
Loss Ratio - 97.5th Percentile	128.02%	100.39%	121.54%	111.90%	104.82%	111.57%	104.74%	98.19%	102.52%	102.70%	95.41%	101.21%	101.00%	95.31%	100.98%
Loss Ratio - 98th Percentile	141.47%	102.10%	128.11%	112.75%	106.11%	112.50%	106.42%	98.97%	103.93%	103.56%	95.67%	102.32%	101.01%	95.46%	100.99%
Loss Ratio - 99th Percentile	171.08%	107.14%	163.12%	132.73%	113.51%	128.73%	111.04%	100.55%	109.03%	111.65%	96.18%	107.44%	102.58%	95.75%	101.83%
Loss Ratio - 99.5th Percentile	177.90%	112.34%	176.16%	140.11%	118.42%	135.74%	117.18%	101.33%	114.86%	117.49%	96.43%	115.38%	103.58%	95.89%	103.20%
Deviation from Average Loss Ratio (50th Percentile)	-1.48%	1.48%	0.21%	-1.42%	2.51%	0.51%	-3.00%	2.54%	0.35%	-3.21%	2.52%	0.45%	-1.12%	1.32%	-0.10%
Deviation from Average Loss Ratio (75th Percentile)	8.44%	9.33%	9.63%	5.49%	7.91%	7.66%	4.13%	7.11%	6.74%	3.56%	6.54%	6.42%	3.82%	4.10%	4.05%
Deviation from Average Loss Ratio (87.5th Percentile)	18.32%	14.85%	18.24%	15.82%	13.82%	15.18%	10.86%	12.87%	12.88%	15.22%	13.24%	15.87%	13.29%	10.97%	13.02%
Deviation from Average Loss Ratio (90th Percentile)	21.56%	16.06%	20.35%	17.96%	14.93%	17.52%	13.37%	14.42%	15.47%	17.34%	13.26%	18.16%	15.09%	12.81%	14.47%
Deviation from Average Loss Ratio (95th Percentile)	31.31%	18.41%	28.79%	25.93%	20.36%	25.49%	18.82%	16.69%	20.35%	18.95%	16.29%	20.75%	20.83%	15.78%	19.85%
Deviation from Average Loss Ratio (97.5th Percentile)	47.45%	21.39%	42.39%	31.65%	25.94%	32.58%	23.93%	19.68%	23.83%	22.21%	17.60%	23.22%	22.07%	16.51%	22.16%
Deviation from Average Loss Ratio (98th Percentile)	60.91%	23.10%	48.96%	32.50%	27.24%	33.51%	25.62%	20.46%	25.24%	23.08%	17.86%	24.32%	22.08%	16.65%	22.18%
Deviation from Average Loss Ratio (99th Percentile)	90.51%	28.14%	83.97%	52.48%	34.64%	49.74%	30.24%	22.04%	30.34%	31.17%	18.37%	29.45%	23.65%	16.94%	23.02%
Deviation from Average Loss Ratio (99.5th Percentile)	97.33%	33.34%	97.01%	59.86%	39.55%	56.75%	36.38%	22.82%	36.17%	37.00%	18.62%	37.39%	24.65%	17.09%	24.39%
Average Margin (1 - Combined)	-5.90%	3.00%	2.70%	-6.20%	3.00%	2.70%	-6.10%	2.90%	2.60%	-6.20%	2.90%	2.60%	-5.00%	3.00%	2.70%
Deviation from Average Loss Ratio less Avg Margin (87.5)	16.47%	5.48%	9.20%	13.94%	4.30%	5.97%	9.35%	3.07%	3.45%	13.56%	2.79%	5.81%	8.79%	1.39%	3.65%
Deviation from Average Loss Ratio less Avg Margin (90)	19.72%	6.68%	11.30%	16.08%	5.41%	8.32%	11.86%	4.61%	6.03%	15.68%	2.81%	8.09%	10.59%	3.22%	5.10%
Deviation from Average Loss Ratio less Avg Margin (95)	29.46%	9.04%	19.74%	24.05%	10.84%	16.28%	17.31%	6.88%	10.92%	17.29%	5.84%	10.69%	16.33%	6.20%	10.48%
Deviation from Average Loss Ratio less Avg Margin (97.5)	45.61%	12.01%	33.34%	29.77%	16.42%	23.37%	22.42%	9.87%	14.40%	20.55%	7.15%	13.15%	17.57%	6.93%	12.79%
Deviation from Average Loss Ratio less Avg Margin (98)	59.06%	13.73%	39.91%	30.62%	17.72%	24.31%	24.10%	10.66%	15.80%	21.42%	7.41%	14.26%	17.58%	7.07%	12.81%
Deviation from Average Loss Ratio less Avg Margin (99)	88.67%	18.76%	74.93%	50.60%	25.12%	40.53%	28.73%	12.23%	20.91%	29.51%	7.92%	19.39%	19.15%	7.36%	13.65%
Deviation from Average Loss Ratio less Avg Margin (99.5)	95.49%	23.97%	87.96%	57.98%	30.03%	47.54%	34.87%	13.02%	26.74%	35.34%	8.17%	27.33%	20.15%	7.51%	15.02%
Claims-Based Risk Factor (87.5)	0.204	0.069	0.116	0.174	0.055	0.076	0.116	0.039	0.044	0.169	0.036	0.074	0.111	0.018	0.046
Claims-Based Risk Factor (90)	0.245	0.085	0.143	0.200	0.069	0.105	0.147	0.059	0.077	0.195	0.036	0.104	0.134	0.041	0.065
Claims-Based Risk Factor (95)	0.366	0.114	0.249	0.300	0.137	0.206	0.214	0.088	0.139	0.215	0.075	0.137	0.207	0.079	0.133
Claims-Based Risk Factor (97.5)	0.566	0.152	0.421	0.371	0.208	0.296	0.277	0.126	0.183	0.255	0.092	0.169	0.223	0.088	0.162
Claims-Based Risk Factor (98)	0.733	0.174	0.504	0.382	0.225	0.308	0.298	0.136	0.201	0.266	0.095	0.183	0.223	0.090	0.162
Claims-Based Risk Factor (99)	1.101	0.238	0.947	0.631	0.318	0.513	0.356	0.156	0.266	0.367	0.102	0.249	0.243	0.093	0.173
Claims-Based Risk Factor (99.5)	1.185	0.303	1.111	0.722	0.381	0.602	0.432	0.166	0.340	0.439	0.105	0.350	0.255	0.095	0.191

Appendix 2.D.6

Dental Historical Health Risk Analysis

Data Sources: Analysis of Operations by Line of Business (2012-2021)

Dental	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average 2012-2021	Average 2017-2021	Average 2012-2019
Observations	257	257	267	259	252	252	250	249	245	251	254	249	255
Total Revenue (\$M)	\$ 10,080	\$ 10,548	\$ 11,963	\$ 12,788	\$ 13,054	\$ 13,266	\$ 13,872	\$ 14,290	\$ 13,967	\$ 15,670			
Average Revenue/Entity	\$ 39.2	\$ 41.0	\$ 44.8	\$ 49.4	\$ 51.8	\$ 52.6	\$ 55.5	\$ 57.4	\$ 57.0	\$ 62.4			
Average Combined Ratio - Weighted	93.1%	91.9%	93.7%	94.2%	94.0%	93.8%	94.8%	94.9%	90.1%	94.2%	93.5%	93.6%	93.8%
Average Loss Ratio - Entity	72.1%	69.8%	68.4%	68.7%	69.6%	68.8%	68.4%	68.8%	62.7%	69.3%	68.7%	67.6%	69.3%
Average Loss Ratio - Weighted	77.1%	76.2%	76.1%	76.1%	76.1%	76.4%	76.3%	77.2%	69.6%	76.6%	75.8%	75.2%	76.4%
Loss Ratio - 50th Percentile	74.5%	72.8%	70.8%	71.3%	71.0%	72.2%	71.2%	73.2%	64.2%	72.5%	71.4%	70.7%	72.1%
Loss Ratio - 75th Percentile	81.6%	80.2%	80.0%	79.7%	79.6%	79.5%	79.2%	80.4%	73.0%	80.0%	79.3%	78.4%	80.0%
Loss Ratio - 87.5th Percentile	85.9%	84.9%	85.0%	84.7%	85.0%	84.0%	83.7%	83.4%	80.0%	84.0%	84.0%	83.0%	84.6%
Loss Ratio - 90th Percentile	87.3%	86.1%	88.5%	86.8%	86.8%	85.1%	85.0%	84.2%	80.7%	86.5%	85.7%	84.3%	86.2%
Loss Ratio - 95th Percentile	94.6%	90.6%	91.8%	91.3%	90.7%	90.5%	90.8%	90.5%	85.2%	90.3%	90.6%	89.4%	91.3%
Loss Ratio - 97.5th Percentile	98.6%	92.0%	95.0%	95.8%	96.0%	97.8%	96.9%	97.2%	90.0%	93.8%	95.3%	95.2%	96.2%
Loss Ratio - 98th Percentile	102.2%	93.3%	96.3%	98.8%	97.3%	97.9%	97.9%	97.6%	90.6%	96.8%	97.0%	96.2%	97.8%
Loss Ratio - 99th Percentile	130.4%	96.3%	105.2%	107.7%	118.6%	111.9%	104.0%	105.3%	93.4%	121.1%	109.4%	107.1%	109.9%
Loss Ratio - 99.5th Percentile	143.1%	98.3%	120.8%	153.9%	186.5%	115.6%	106.8%	109.5%	96.4%	126.2%	125.7%	110.9%	129.3%
Deviation from Average Loss Ratio (50th Percentile)	-2.6%	-3.4%	-5.3%	-4.9%	-5.1%	-4.2%	-5.1%	-4.0%	-5.4%	-4.1%	-4.4%	-4.6%	-4.3%
Deviation from Average Loss Ratio (75th Percentile)	4.5%	4.0%	3.9%	3.5%	3.5%	3.1%	2.9%	3.1%	3.5%	3.4%	3.5%	3.2%	3.6%
Deviation from Average Loss Ratio (87.5th Percentile)	8.8%	8.7%	8.9%	8.5%	8.9%	7.6%	7.4%	6.2%	10.4%	7.4%	8.3%	7.8%	8.1%
Deviation from Average Loss Ratio (90th Percentile)	10.2%	9.9%	12.4%	10.6%	10.8%	8.8%	8.7%	6.9%	11.1%	9.9%	9.9%	9.1%	9.8%
Deviation from Average Loss Ratio (95th Percentile)	17.5%	14.4%	15.7%	15.2%	14.6%	14.1%	14.5%	13.2%	15.6%	13.7%	14.9%	14.2%	14.9%
Deviation from Average Loss Ratio (97.5th Percentile)	21.5%	15.8%	18.9%	19.6%	20.0%	21.4%	20.6%	20.0%	20.4%	17.2%	19.6%	19.9%	19.7%
Deviation from Average Loss Ratio (98th Percentile)	25.2%	17.1%	20.2%	23.6%	21.2%	21.5%	21.6%	20.3%	21.0%	20.2%	21.2%	20.9%	21.4%
Deviation from Average Loss Ratio (99th Percentile)	53.4%	20.1%	29.1%	31.6%	42.5%	35.5%	27.7%	28.0%	23.8%	44.6%	33.6%	31.9%	33.5%
Deviation from Average Loss Ratio (99.5th Percentile)	66.0%	22.1%	44.7%	77.8%	110.4%	39.2%	30.5%	32.2%	26.9%	49.6%	49.9%	35.7%	52.9%
Average Margin (1 - Combined)	6.9%	8.1%	6.3%	5.8%	6.0%	6.2%	5.2%	5.1%	9.9%	5.8%	6.5%	6.4%	6.2%
Deviation from Average Loss Ratio less Avg Margin (87.5)	1.9%	0.7%	2.6%	2.7%	2.9%	1.4%	2.2%	1.0%	0.5%	1.6%	1.7%	1.4%	1.9%
Deviation from Average Loss Ratio less Avg Margin (90)	3.3%	1.9%	6.1%	4.8%	4.7%	2.6%	3.6%	1.8%	1.2%	4.1%	3.4%	2.6%	3.6%
Deviation from Average Loss Ratio less Avg Margin (95)	10.6%	6.4%	9.4%	9.3%	8.6%	8.0%	9.3%	8.1%	5.6%	7.8%	8.3%	7.8%	8.7%
Deviation from Average Loss Ratio less Avg Margin (97.5)	14.6%	7.8%	12.6%	13.8%	13.9%	15.3%	15.5%	14.9%	10.5%	11.4%	13.0%	13.5%	13.5%
Deviation from Average Loss Ratio less Avg Margin (98)	18.2%	9.1%	13.9%	17.8%	15.1%	15.4%	16.5%	15.2%	11.1%	14.4%	14.7%	14.5%	15.2%
Deviation from Average Loss Ratio less Avg Margin (99)	46.4%	12.1%	22.8%	25.7%	36.5%	29.4%	22.6%	22.9%	13.9%	38.7%	27.1%	25.5%	27.3%
Deviation from Average Loss Ratio less Avg Margin (99.5)	59.1%	14.0%	38.4%	71.9%	104.4%	33.0%	25.3%	27.1%	16.9%	43.8%	43.4%	29.2%	46.7%
Claims-Based Risk Factor (87.5)	0.024	0.009	0.034	0.035	0.038	0.018	0.029	0.014	0.007	0.021	0.023	0.018	0.025
Claims-Based Risk Factor (90)	0.043	0.025	0.081	0.063	0.062	0.034	0.047	0.024	0.017	0.053	0.045	0.035	0.047
Claims-Based Risk Factor (95)	0.137	0.084	0.123	0.123	0.113	0.104	0.123	0.105	0.081	0.102	0.110	0.103	0.114
Claims-Based Risk Factor (97.5)	0.189	0.102	0.165	0.181	0.183	0.200	0.203	0.193	0.151	0.149	0.172	0.179	0.177
Claims-Based Risk Factor (98)	0.237	0.119	0.183	0.234	0.199	0.201	0.216	0.197	0.159	0.188	0.194	0.193	0.198
Claims-Based Risk Factor (99)	0.603	0.158	0.300	0.338	0.480	0.384	0.296	0.297	0.199	0.506	0.358	0.339	0.357
Claims-Based Risk Factor (99.5)	0.767	0.184	0.504	0.945	1.372	0.432	0.332	0.351	0.243	0.571	0.573	0.389	0.611

Dental	1-Year Horizon			2-Year Horizon			3-Year Horizon			4-Year Horizon			5-Year Horizon		
	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total
Observations	1,299	1,240	2,539	696	626	1,322	435	380	815	304	253	557	323	253	576
Total Revenue (\$M)	\$ 4,015	\$ 125,482	\$ 129,498	\$ 4,104	\$ 125,491	\$ 129,595	\$ 3,849	\$ 115,698	\$ 119,547	\$ 3,467	\$ 105,454	\$ 108,920	\$ 4,396	\$ 125,164	\$ 129,560
Average Annual Revenue/Entity	\$ 3.1	\$ 101.2	\$ 51.0	\$ 2.9	\$ 100.2	\$ 49.0	\$ 2.9	\$ 101.5	\$ 48.9	\$ 2.9	\$ 104.2	\$ 48.9	\$ 2.7	\$ 98.9	\$ 45.0
Average Combined Ratio - Weighted	90.0%	93.6%	93.5%	90.0%	93.6%	93.5%	89.5%	93.7%	93.5%	90.4%	93.8%	93.7%	90.4%	93.6%	93.5%
Average Loss Ratio - Entity	64.9%	72.6%	68.7%	65.8%	72.7%	69.1%	64.1%	72.7%	68.1%	63.7%	72.4%	67.7%	65.9%	72.8%	68.9%
Average Loss Ratio - Weighted	66.2%	76.0%	75.7%	66.4%	76.0%	75.7%	65.8%	75.9%	75.6%	66.0%	75.9%	75.5%	67.0%	76.0%	75.7%
Loss Ratio - 50th Percentile	66.0%	75.2%	71.3%	65.6%	74.7%	71.1%	65.4%	74.8%	70.5%	64.7%	74.4%	70.1%	65.7%	75.3%	71.1%
Loss Ratio - 75th Percentile	78.5%	80.5%	79.8%	78.4%	80.4%	79.7%	76.6%	80.1%	79.3%	77.0%	79.6%	78.8%	77.4%	80.0%	79.3%
Loss Ratio - 87.5th Percentile	84.5%	84.2%	84.3%	83.8%	83.9%	83.9%	84.1%	83.4%	83.6%	84.1%	82.7%	83.3%	84.8%	82.5%	83.4%
Loss Ratio - 90th Percentile	86.5%	85.1%	85.6%	85.6%	85.0%	85.3%	85.8%	84.3%	85.1%	85.4%	83.6%	84.6%	86.3%	83.8%	85.2%
Loss Ratio - 95th Percentile	91.9%	90.5%	91.2%	91.4%	90.5%	90.9%	91.5%	90.6%	91.1%	90.0%	89.5%	90.0%	90.4%	90.0%	90.2%
Loss Ratio - 97.5th Percentile	97.7%	94.2%	96.6%	97.8%	93.9%	97.0%	97.7%	94.8%	97.0%	95.9%	93.8%	95.6%	97.8%	94.5%	96.2%
Loss Ratio - 98th Percentile	98.5%	97.1%	97.7%	100.6%	97.1%	97.8%	99.9%	97.2%	97.8%	97.8%	96.6%	97.2%	100.5%	96.5%	97.7%
Loss Ratio - 99th Percentile	122.5%	100.9%	110.2%	129.0%	101.2%	110.7%	126.2%	101.8%	110.6%	104.6%	97.5%	104.1%	121.4%	98.5%	104.4%
Loss Ratio - 99.5th Percentile	145.0%	112.6%	127.0%	180.6%	111.1%	129.5%	186.9%	109.0%	132.6%	118.9%	107.6%	111.8%	174.6%	102.6%	125.7%
Deviation from Average Loss Ratio (50th Percentile)	-0.2%	-0.8%	-4.5%	-0.8%	-1.3%	-4.6%	-0.4%	-1.1%	-5.1%	-1.3%	-1.5%	-5.4%	-1.2%	-0.7%	-4.6%
Deviation from Average Loss Ratio (75th Percentile)	12.3%	4.4%	4.1%	11.9%	4.4%	3.9%	10.8%	4.2%	3.7%	10.9%	3.8%	3.3%	10.4%	4.0%	3.6%
Deviation from Average Loss Ratio (87.5th Percentile)	18.3%	8.2%	8.5%	17.4%	7.8%	8.1%	18.3%	7.5%	8.0%	18.0%	6.9%	7.8%	17.9%	6.4%	7.7%
Deviation from Average Loss Ratio (90th Percentile)	20.3%	9.1%	9.9%	19.2%	8.9%	9.6%	20.0%	8.3%	9.5%	19.3%	7.8%	9.1%	19.4%	7.8%	9.4%
Deviation from Average Loss Ratio (95th Percentile)	25.7%	14.5%	15.5%	24.9%	14.5%	15.2%	25.6%	14.7%	15.5%	24.0%	13.6%	14.5%	23.5%	13.9%	14.5%
Deviation from Average Loss Ratio (97.5th Percentile)	31.5%	18.2%	20.9%	31.3%	17.9%	21.3%	31.9%	18.9%	21.4%	29.9%	17.9%	20.1%	30.8%	18.4%	20.5%
Deviation from Average Loss Ratio (98th Percentile)	32.3%	21.1%	22.0%	34.1%	21.1%	22.1%	34.0%	21.3%	22.2%	31.8%	20.8%	21.6%	33.6%	20.5%	22.0%
Deviation from Average Loss Ratio (99th Percentile)	56.3%	24.9%	34.5%	62.5%	25.2%	35.0%	60.3%	25.9%	35.0%	38.6%	21.6%	28.5%	54.4%	22.5%	28.6%
Deviation from Average Loss Ratio (99.5th Percentile)	78.8%	36.6%	51.3%	114.2%	35.1%	53.8%	121.1%	33.1%	57.0%	52.8%	31.8%	36.2%	107.7%	26.6%	50.0%
Average Margin (1 - Combined)	10.0%	6.4%	6.5%	10.0%	6.4%	6.5%	10.5%	6.3%	6.5%	9.6%	6.2%	6.3%	9.6%	6.4%	6.5%
Deviation from Average Loss Ratio less Avg Margin (87.5)	8.3%	1.8%	2.1%	7.4%	1.5%	1.6%	7.8%	1.2%	1.5%	8.4%	0.7%	1.5%	8.2%	0.1%	1.2%
Deviation from Average Loss Ratio less Avg Margin (90)	10.2%	2.7%	3.4%	9.1%	2.5%	3.1%	9.5%	2.0%	3.0%	9.7%	1.6%	2.8%	9.7%	1.4%	3.0%
Deviation from Average Loss Ratio less Avg Margin (95)	15.7%	8.1%	9.0%	14.9%	8.1%	8.7%	15.1%	8.3%	9.1%	14.4%	7.4%	8.2%	13.8%	7.6%	8.0%
Deviation from Average Loss Ratio less Avg Margin (97.5)	21.4%	11.8%	14.4%	21.3%	11.5%	14.8%	21.3%	12.6%	14.9%	20.3%	11.7%	13.8%	21.2%	12.0%	14.0%
Deviation from Average Loss Ratio less Avg Margin (98)	22.2%	14.7%	15.5%	24.1%	14.7%	15.6%	23.5%	15.0%	15.7%	22.2%	14.6%	15.3%	23.9%	14.1%	15.5%
Deviation from Average Loss Ratio less Avg Margin (99)	46.3%	18.5%	28.0%	52.5%	18.8%	28.5%	49.8%	19.5%	28.5%	29.0%	15.4%	22.2%	44.8%	16.1%	22.1%
Deviation from Average Loss Ratio less Avg Margin (99.5)	68.7%	30.2%	44.8%	104.2%	28.7%	47.3%	110.6%	26.8%	50.5%	43.2%	25.6%	29.9%	98.0%	20.2%	43.5%
Claims-Based Risk Factor (87.5)	0.125	0.023	0.027	0.111	0.019	0.022	0.119	0.015	0.020	0.128	0.009	0.019	0.123	0.001	0.015
Claims-Based Risk Factor (90)	0.155	0.036	0.045	0.137	0.034	0.040	0.144	0.026	0.040	0.147	0.021	0.037	0.146	0.018	0.039
Claims-Based Risk Factor (95)	0.237	0.107	0.119	0.224	0.106	0.115	0.230	0.110	0.120	0.218	0.098	0.108	0.206	0.099	0.106
Claims-Based Risk Factor (97.5)	0.324	0.155	0.190	0.321	0.151	0.195	0.324	0.165	0.197	0.307	0.154	0.183	0.316	0.158	0.184
Claims-Based Risk Factor (98)	0.336	0.193	0.205	0.362	0.194	0.206	0.357	0.197	0.208	0.336	0.192	0.203	0.357	0.186	0.205
Claims-Based Risk Factor (99)	0.699	0.243	0.370	0.790	0.248	0.376	0.757	0.257	0.377	0.439	0.203	0.294	0.669	0.212	0.292
Claims-Based Risk Factor (99.5)	1.039	0.398	0.592	1.568	0.378	0.625	1.680	0.352	0.668	0.655	0.337	0.396	1.464	0.265	0.574

Appendix 2.D.7

Vision Historical Health Risk Analysis

Data Sources: Analysis of Operations by Line of Business (2012-2021)

Vision	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Average 2012-2021	Average 2017-2021	Average 2012-2019
Observations	88	98	107	93	95	90	103	98	104	107	98	100	97
Total Revenue (\$M)	\$ 1,738	\$ 1,807	\$ 2,283	\$ 2,447	\$ 2,612	\$ 2,829	\$ 3,801	\$ 3,969	\$ 4,064	\$ 4,520			
Average Revenue/Entity	\$ 19.8	\$ 18.4	\$ 21.3	\$ 26.3	\$ 27.5	\$ 31.4	\$ 36.9	\$ 40.5	\$ 39.1	\$ 42.2			
Average Combined Ratio - Weighted	89.6%	90.0%	92.2%	92.6%	90.4%	88.9%	91.2%	89.0%	82.0%	83.1%	88.9%	86.8%	90.5%
Average Loss Ratio - Entity	72.7%	68.8%	69.9%	71.4%	69.5%	71.4%	68.5%	67.2%	59.0%	63.8%	68.2%	66.0%	69.9%
Average Loss Ratio - Weighted	75.4%	75.4%	74.4%	74.6%	73.1%	72.4%	76.1%	74.7%	67.2%	69.9%	73.3%	72.1%	74.5%
Loss Ratio - 50th Percentile	72.4%	72.5%	69.6%	72.7%	71.8%	71.0%	68.6%	68.3%	60.4%	65.2%	69.3%	66.7%	70.9%
Loss Ratio - 75th Percentile	78.2%	77.7%	78.2%	82.2%	81.8%	79.4%	77.6%	76.2%	68.5%	74.3%	77.4%	75.2%	78.9%
Loss Ratio - 87.5th Percentile	83.2%	83.0%	83.8%	90.7%	84.6%	84.7%	84.1%	81.9%	74.5%	78.9%	82.9%	80.8%	84.5%
Loss Ratio - 90th Percentile	85.3%	83.9%	87.6%	91.8%	85.2%	86.7%	88.3%	83.1%	77.8%	80.5%	85.0%	83.3%	86.5%
Loss Ratio - 95th Percentile	100.7%	88.3%	105.1%	101.2%	91.5%	99.6%	93.9%	90.5%	82.4%	87.5%	94.1%	90.8%	96.4%
Loss Ratio - 97.5th Percentile	134.3%	98.3%	116.3%	123.8%	93.8%	119.3%	111.0%	91.9%	86.5%	91.0%	106.6%	99.9%	111.1%
Loss Ratio - 98th Percentile	141.1%	104.5%	124.7%	128.6%	94.5%	124.3%	117.2%	94.9%	88.8%	91.5%	111.0%	103.3%	116.2%
Loss Ratio - 99th Percentile	174.3%	129.7%	136.5%	129.6%	96.6%	135.6%	122.8%	140.9%	105.4%	106.4%	127.8%	122.2%	133.2%
Loss Ratio - 99.5th Percentile	279.7%	129.8%	258.9%	131.6%	99.7%	166.5%	124.6%	141.0%	151.7%	115.6%	159.9%	139.9%	166.5%
Deviation from Average Loss Ratio (50th Percentile)	-3.0%	-2.8%	-4.8%	-2.0%	-1.3%	-1.4%	-7.5%	-6.4%	-6.7%	-4.7%	-4.1%	-5.4%	-3.7%
Deviation from Average Loss Ratio (75th Percentile)	2.8%	2.3%	3.8%	7.6%	8.8%	7.0%	1.6%	1.4%	1.3%	4.4%	4.1%	3.1%	4.4%
Deviation from Average Loss Ratio (87.5th Percentile)	7.8%	7.6%	9.3%	16.0%	11.5%	12.3%	8.0%	7.2%	7.4%	9.0%	9.6%	8.8%	10.0%
Deviation from Average Loss Ratio (90th Percentile)	9.9%	8.5%	13.1%	17.1%	12.1%	14.2%	12.2%	8.4%	10.6%	10.6%	11.7%	11.2%	11.9%
Deviation from Average Loss Ratio (95th Percentile)	25.3%	12.9%	30.7%	26.6%	18.5%	27.2%	17.9%	15.8%	15.2%	17.7%	20.8%	18.7%	21.8%
Deviation from Average Loss Ratio (97.5th Percentile)	58.9%	22.9%	41.9%	49.2%	20.7%	46.8%	34.9%	17.2%	19.4%	21.1%	33.3%	27.9%	36.6%
Deviation from Average Loss Ratio (98th Percentile)	65.7%	29.2%	50.3%	54.0%	21.5%	51.9%	41.1%	20.2%	21.6%	21.6%	37.7%	31.3%	41.7%
Deviation from Average Loss Ratio (99th Percentile)	98.9%	54.3%	62.0%	55.0%	23.5%	63.2%	46.7%	66.2%	38.3%	36.6%	54.5%	50.2%	58.7%
Deviation from Average Loss Ratio (99.5th Percentile)	204.3%	54.4%	184.5%	56.9%	26.6%	94.1%	48.6%	66.3%	84.5%	45.8%	86.6%	67.8%	92.0%
Average Margin (1 - Combined)	10.4%	10.0%	7.8%	7.4%	9.6%	11.1%	8.8%	11.0%	18.0%	16.9%	11.1%	13.2%	9.5%
Deviation from Average Loss Ratio less Avg Margin (87.5)	-2.7%	-2.4%	1.6%	8.7%	1.9%	1.2%	-0.8%	-3.8%	-10.7%	-7.9%	-1.5%	-4.4%	0.5%
Deviation from Average Loss Ratio less Avg Margin (90)	-0.5%	-1.5%	5.4%	9.8%	2.5%	3.2%	3.4%	-2.6%	-7.4%	-6.3%	0.6%	-1.9%	2.5%
Deviation from Average Loss Ratio less Avg Margin (95)	14.8%	2.9%	22.9%	19.2%	8.9%	16.1%	9.1%	4.8%	-2.9%	0.7%	9.7%	5.6%	12.3%
Deviation from Average Loss Ratio less Avg Margin (97.5)	48.5%	13.0%	34.1%	41.8%	11.1%	35.8%	26.2%	6.2%	1.3%	4.2%	22.2%	14.7%	27.1%
Deviation from Average Loss Ratio less Avg Margin (98)	55.3%	19.2%	42.5%	46.6%	11.9%	40.8%	32.4%	9.2%	3.6%	4.7%	26.6%	18.1%	32.2%
Deviation from Average Loss Ratio less Avg Margin (99)	88.5%	44.3%	54.2%	47.6%	13.9%	52.1%	37.9%	55.2%	20.2%	19.6%	43.4%	37.0%	49.2%
Deviation from Average Loss Ratio less Avg Margin (99.5)	193.9%	44.5%	176.7%	49.6%	17.0%	83.0%	39.8%	55.3%	66.5%	28.8%	75.5%	54.7%	82.5%
Claims-Based Risk Factor (87.5)	(0.035)	(0.032)	0.021	0.116	0.026	0.017	(0.010)	(0.051)	(0.159)	(0.114)	(0.020)	(0.061)	0.006
Claims-Based Risk Factor (90)	(0.007)	(0.020)	0.072	0.131	0.035	0.044	0.045	(0.035)	(0.110)	(0.091)	0.008	(0.027)	0.033
Claims-Based Risk Factor (95)	0.197	0.039	0.308	0.257	0.121	0.223	0.119	0.064	(0.042)	0.011	0.132	0.077	0.166
Claims-Based Risk Factor (97.5)	0.643	0.172	0.458	0.560	0.152	0.494	0.344	0.083	0.020	0.060	0.303	0.205	0.363
Claims-Based Risk Factor (98)	0.733	0.255	0.571	0.625	0.162	0.564	0.425	0.123	0.053	0.067	0.363	0.252	0.432
Claims-Based Risk Factor (99)	1.173	0.588	0.729	0.638	0.190	0.719	0.498	0.739	0.301	0.281	0.592	0.514	0.661
Claims-Based Risk Factor (99.5)	2.571	0.590	2.374	0.664	0.233	1.146	0.523	0.740	0.989	0.413	1.030	0.759	1.107

Vision	1-Year Horizon			2-Year Horizon			3-Year Horizon			4-Year Horizon			5-Year Horizon		
	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total	LT \$10M	GE \$10M	Total
Observations	670	313	983	372	155	527	243	101	344	174	67	241	179	66	245
Total Revenue (\$M)	\$ 1,809	\$ 28,262	\$ 30,071	\$ 1,939	\$ 28,148	\$ 30,087	\$ 1,715	\$ 26,682	\$ 28,398	\$ 1,603	\$ 24,991	\$ 26,594	\$ 1,986	\$ 28,154	\$ 30,140
Average Annual Revenue/Entity	\$ 2.7	\$ 90.3	\$ 30.6	\$ 2.6	\$ 90.8	\$ 28.5	\$ 2.4	\$ 88.1	\$ 27.5	\$ 2.3	\$ 93.3	\$ 27.6	\$ 2.2	\$ 85.3	\$ 24.6
Average Combined Ratio - Weighted	90.1%	88.1%	88.2%	90.5%	88.0%	88.2%	90.5%	88.0%	88.1%	90.7%	87.8%	88.0%	90.8%	88.0%	88.2%
Average Loss Ratio - Entity	66.3%	71.9%	68.0%	66.5%	71.9%	68.1%	64.9%	72.0%	67.0%	65.5%	71.4%	67.2%	64.9%	71.9%	66.8%
Average Loss Ratio - Weighted	68.6%	73.1%	72.8%	68.9%	73.1%	72.8%	68.0%	73.0%	72.7%	69.0%	72.8%	72.5%	68.7%	73.2%	72.9%
Loss Ratio - 50th Percentile	66.3%	72.9%	68.7%	65.6%	72.7%	68.1%	65.8%	72.2%	67.8%	65.7%	70.4%	67.1%	65.9%	72.3%	67.6%
Loss Ratio - 75th Percentile	77.3%	78.4%	77.8%	76.9%	78.4%	77.4%	77.2%	78.8%	78.0%	75.7%	79.0%	75.9%	76.7%	78.2%	77.2%
Loss Ratio - 87.5th Percentile	84.2%	82.4%	83.6%	83.0%	82.7%	82.8%	84.1%	82.5%	83.3%	82.6%	83.0%	83.0%	84.4%	82.1%	83.2%
Loss Ratio - 90th Percentile	87.6%	83.4%	84.8%	86.9%	83.5%	85.4%	86.6%	83.6%	85.9%	86.0%	83.5%	84.2%	85.8%	83.1%	84.7%
Loss Ratio - 95th Percentile	96.9%	88.2%	92.7%	97.2%	87.5%	92.7%	94.1%	89.8%	93.7%	97.0%	88.2%	94.6%	96.2%	84.1%	93.9%
Loss Ratio - 97.5th Percentile	124.2%	91.9%	107.1%	121.9%	90.6%	106.2%	102.9%	94.4%	98.1%	111.3%	93.8%	101.4%	113.9%	90.7%	105.0%
Loss Ratio - 98th Percentile	128.3%	93.7%	119.5%	131.2%	91.1%	115.4%	110.4%	94.8%	102.7%	113.5%	95.0%	108.1%	118.4%	92.8%	110.0%
Loss Ratio - 99th Percentile	140.6%	98.0%	130.5%	165.5%	94.8%	134.5%	138.9%	97.9%	128.1%	164.6%	96.3%	136.9%	131.6%	95.0%	122.0%
Loss Ratio - 99.5th Percentile	178.6%	108.8%	141.3%	234.4%	97.6%	207.9%	157.3%	100.3%	148.7%	224.3%	96.4%	188.5%	167.8%	95.3%	149.7%
Deviation from Average Loss Ratio (50th Percentile)	-2.3%	-0.2%	-4.1%	-3.3%	-0.4%	-4.7%	-2.2%	-0.8%	-4.9%	-3.2%	-2.4%	-5.5%	-2.9%	-0.9%	-5.3%
Deviation from Average Loss Ratio (75th Percentile)	8.7%	5.3%	4.9%	8.0%	5.3%	4.5%	9.2%	5.8%	5.3%	6.8%	6.3%	3.4%	7.9%	5.1%	4.3%
Deviation from Average Loss Ratio (87.5th Percentile)	15.6%	9.3%	10.8%	14.2%	9.6%	10.0%	16.1%	9.5%	10.6%	13.7%	10.2%	10.5%	15.6%	9.0%	10.3%
Deviation from Average Loss Ratio (90th Percentile)	19.0%	10.3%	11.9%	18.0%	10.4%	12.6%	18.6%	10.5%	13.2%	17.0%	10.8%	11.7%	17.1%	9.9%	11.8%
Deviation from Average Loss Ratio (95th Percentile)	28.3%	15.0%	19.9%	28.3%	14.4%	19.8%	26.1%	16.8%	21.0%	28.0%	15.4%	22.0%	27.4%	10.9%	21.1%
Deviation from Average Loss Ratio (97.5th Percentile)	55.6%	18.8%	34.3%	53.0%	17.5%	33.3%	34.9%	21.4%	25.4%	42.3%	21.0%	28.9%	45.1%	17.5%	32.2%
Deviation from Average Loss Ratio (98th Percentile)	59.7%	20.6%	46.7%	62.3%	18.0%	42.5%	42.4%	21.8%	30.0%	44.5%	22.3%	35.6%	49.6%	19.6%	37.1%
Deviation from Average Loss Ratio (99th Percentile)	72.0%	24.9%	57.7%	96.6%	21.7%	61.7%	70.9%	24.9%	55.4%	95.6%	23.6%	64.4%	62.9%	21.9%	49.2%
Deviation from Average Loss Ratio (99.5th Percentile)	110.0%	35.7%	68.5%	165.5%	24.5%	135.1%	89.3%	27.2%	76.0%	155.3%	23.6%	115.9%	99.0%	22.2%	76.9%
Average Margin (1 - Combined)	9.9%	11.9%	11.8%	9.5%	12.0%	11.8%	9.5%	12.0%	11.9%	9.3%	12.2%	12.0%	9.2%	12.0%	11.8%
Deviation from Average Loss Ratio less Avg Margin (87.5)	5.7%	-2.6%	-1.0%	4.6%	-2.4%	-1.9%	6.6%	-2.6%	-1.2%	4.3%	-1.9%	-1.5%	6.4%	-3.0%	-1.5%
Deviation from Average Loss Ratio less Avg Margin (90)	9.1%	-1.6%	0.1%	8.5%	-1.6%	0.8%	9.1%	-1.5%	1.3%	7.7%	-1.4%	-0.3%	7.9%	-2.1%	0.0%
Deviation from Average Loss Ratio less Avg Margin (95)	18.4%	3.1%	8.1%	18.8%	2.4%	8.0%	16.6%	4.7%	9.1%	18.7%	3.3%	10.0%	18.2%	-1.1%	9.3%
Deviation from Average Loss Ratio less Avg Margin (97.5)	45.7%	6.9%	22.5%	43.5%	5.6%	21.5%	25.4%	9.4%	13.6%	33.0%	8.9%	16.9%	36.0%	5.5%	20.4%
Deviation from Average Loss Ratio less Avg Margin (98)	49.8%	8.7%	34.9%	52.8%	6.1%	30.7%	32.9%	9.8%	18.1%	35.2%	10.1%	23.6%	40.5%	7.6%	25.3%
Deviation from Average Loss Ratio less Avg Margin (99)	62.1%	13.0%	45.9%	87.1%	9.7%	49.9%	61.3%	12.9%	43.5%	86.3%	11.4%	52.4%	53.7%	9.9%	37.4%
Deviation from Average Loss Ratio less Avg Margin (99.5)	100.1%	23.8%	56.7%	156.0%	12.5%	123.3%	79.7%	15.2%	64.1%	146.0%	11.5%	103.9%	89.9%	10.2%	65.1%
Claims-Based Risk Factor (87.5)	0.083	(0.035)	(0.014)	0.067	(0.032)	(0.026)	0.097	(0.035)	(0.017)	0.063	(0.026)	(0.021)	0.094	(0.041)	(0.020)
Claims-Based Risk Factor (90)	0.133	(0.022)	0.002	0.123	(0.022)	0.011	0.134	(0.020)	0.018	0.112	(0.019)	(0.004)	0.114	(0.028)	0.000
Claims-Based Risk Factor (95)	0.268	0.043	0.111	0.273	0.033	0.110	0.244	0.065	0.125	0.271	0.045	0.139	0.265	(0.015)	0.127
Claims-Based Risk Factor (97.5)	0.666	0.094	0.309	0.631	0.076	0.296	0.373	0.129	0.186	0.479	0.122	0.233	0.523	0.076	0.280
Claims-Based Risk Factor (98)	0.726	0.119	0.479	0.766	0.083	0.422	0.483	0.134	0.249	0.510	0.139	0.326	0.588	0.105	0.348
Claims-Based Risk Factor (99)	0.906	0.177	0.630	1.265	0.133	0.685	0.902	0.176	0.598	1.251	0.157	0.722	0.781	0.136	0.513
Claims-Based Risk Factor (99.5)	1.459	0.325	0.778	2.265	0.171	1.693	1.173	0.208	0.881	2.117	0.158	1.433	1.307	0.140	0.893