



February 1, 2021

Honorable Mike Causey
Commissioner of Insurance
North Carolina Department of Insurance
1201 Mail Service Center
Raleigh, NC 27699-1201

Re: Review of Automobile Insurance Rates -
Private Passenger Cars and Motorcycles

Dear Commissioner Causey:

In accordance with Article 36 of Chapter 58 of the General Statutes of North Carolina, the North Carolina Rate Bureau hereby submits experience, data, statistics and information for automobile insurance – private passenger cars and motorcycles. This constitutes the rate review required by law to be submitted on or before February 1, 2021.

Sincerely,

Joanna Biliouris

Chief Operating Officer
NC Rate Bureau

JB:ko
Attachments

**NORTH CAROLINA RATE BUREAU
2021 PRIVATE PASSENGER AUTOMOBILE INSURANCE
EXPERIENCE REVIEW**

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**NORTH CAROLINA RATE BUREAU
2021 PRIVATE PASSENGER AUTOMOBILE INSURANCE
EXPERIENCE REVIEW**

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North Carolina Private Passenger Automobile

Voluntary & Ceded Combined

	AY 2017	AY 2018	AY 2019
<u>Bodily Injury</u>			
Exposures	6,815,077	7,011,689	7,197,359
Prem at Pres NCRB Rates	1,228,114,040	1,259,146,582	1,287,471,708
B/L Incurred Losses	670,068,287	667,207,363	668,015,522
T/L Incurred Losses	825,618,293	817,600,822	804,870,183
<u>Property Damage</u>			
Exposures	6,815,077	7,011,689	7,197,359
Prem at Pres NCRB Rates	1,516,204,467	1,555,236,404	1,590,943,339
B/L Incurred Losses	836,005,940	875,418,844	935,302,820
T/L Incurred Losses	848,858,534	889,389,464	952,245,722
<u>Medical Payments</u>			
Exposures	4,598,098	4,660,443	4,725,127
Prem at Pres NCRB Rates	157,912,010	158,876,739	160,548,569
Incurred Losses	86,629,785	82,350,105	82,498,557

North Carolina Private Passenger Automobile

Standard & Non-Standard Combined

	CY 2017	CY 2018	CY 2019
<u>Comprehensive</u>			
Exposures	4,982,371	5,168,869	5,333,661
Prem at Pres NCRB Rates	723,491,807	745,373,585	763,984,944
Paid Losses ¹	350,846,293	389,520,784	444,312,229

Collision

Exposures	4,640,619	4,817,181	4,975,618
Prem at Pres NCRB Rates	1,831,659,728	1,899,862,484	1,962,961,139
Paid Losses	819,310,393	907,188,530	984,541,441

Notes:

1 Comprehensive losses include an adjustment for wind and water losses.

North Carolina Private Passenger Automobile

Voluntary & Ceded Combined

	AY 2017	AY 2018	AY 2019
<u>Uninsured Motorists BI</u>			
Exposures	6,034,246	6,085,985	6,263,212
B/L Prem at Pres NCRB Rates	96,547,936	97,375,760	100,211,392
T/L Prem at Pres NCRB Rates	118,213,499	119,227,063	122,699,043
B/L Incurred Losses	41,353,196	43,100,469	46,086,681
T/L Incurred Losses	54,216,800	54,700,969	58,892,502

Uninsured Motorists PD

Exposures	6,034,246	6,085,985	6,263,212
B/L Prem at Pres NCRB Rates	12,068,492	12,171,970	12,526,424
T/L Prem at Pres NCRB Rates	18,102,738	18,257,952	18,789,636
B/L Incurred Losses	14,417,281	14,601,385	15,594,312
T/L Incurred Losses	14,506,645	14,713,093	15,679,644

Underinsured Motorists BI

Exposures	4,593,395	4,632,780	4,767,688
T/L Prem at Pres NCRB Rates	157,191,093	158,538,812	163,155,591
T/L Incurred Losses	81,508,617	69,298,871	53,695,503

Motorcycle Liability

Exposures	278,741	286,848	295,011
T/L Prem at Pres NCRB Rates	48,792,862	50,792,688	51,880,987
T/L Incurred Losses	21,940,077	20,804,693	24,784,566

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
COMPREHENSIVE COVERAGES
DERIVATION OF WIND AND WATER ADJUSTMENT

Year	(1) Wind & Water Paid Losses (a)(b)	(2) Total Paid Losses(a)(b)	(3) (2)-(1) [Total - Wind & Water]	(4) [Wind & Water] / [Total - Wind & Water]	(5) Avg.(4)-(4) Variation From Avg. W&W Ratio	(6) (3) x (5) Wind and Water Adj.
12/31/90	4,423,094	26,845,160	22,422,066	0.197	0.026	\$ 582,974
12/31/91	1,271,154	21,820,454	20,549,300	0.062	0.161	3,308,437
12/31/92	1,928,913	21,696,593	19,767,680	0.098	0.125	2,470,960
12/31/93	18,640,617	67,247,004	48,606,387	0.384	-0.161	(7,825,628)
12/31/94	3,267,309	54,565,559	51,298,250	0.064	0.159	8,156,422
12/31/95	9,648,334	65,189,949	55,541,615	0.174	0.049	2,721,539
12/31/96	49,270,157	121,767,966	72,497,809	0.680	-0.457	(33,131,499)
12/31/97	8,337,582	74,959,385	66,621,803	0.125	0.098	6,528,937
12/31/98	36,582,228	109,433,029	72,850,801	0.502	-0.279	(20,325,373)
12/31/99	82,839,636	254,543,319	171,703,683	0.482	-0.259	(44,471,254)
12/31/00	26,900,286	219,752,475	192,852,189	0.139	0.084	16,199,584
12/31/01	12,205,306	195,182,807	182,977,501	0.067	0.156	28,544,490
12/31/02	19,987,319	207,651,735	187,664,416	0.107	0.116	21,769,072
12/31/03	71,165,906	270,447,922	199,282,016	0.357	-0.134	(26,703,790)
12/31/04	22,627,816	242,377,216	219,749,400	0.103	0.120	26,369,928
12/31/05	15,400,792	234,388,376	218,987,584	0.070	0.153	33,505,100
12/31/06	35,338,646	273,491,755	238,153,109	0.148	0.075	17,861,483
12/31/07	18,082,928	266,769,682	248,686,754	0.073	0.150	37,303,013
12/31/08	40,583,664	308,375,011	267,791,347	0.152	0.071	19,013,186
12/31/09	26,400,184	283,714,317	257,314,133	0.103	0.120	30,877,696
12/31/10	28,265,837	298,598,932	270,333,095	0.105	0.118	31,899,305
12/31/11	203,657,338	480,977,217	277,319,879	0.734	-0.511	(141,710,458)
12/31/12	62,581,368	321,750,613	259,169,245	0.241	-0.018	(4,665,046)
12/31/13	19,758,670	278,450,013	258,691,343	0.076	0.147	38,027,627
12/31/14	37,932,870	302,875,301	264,942,431	0.143	0.080	21,195,394
12/31/15	39,044,951	329,490,008	290,445,057	0.134	0.089	25,849,610
12/31/16	134,032,466	450,053,876	316,021,410	0.424	-0.201	(63,520,303)
12/31/17	46,380,142	333,331,249	286,951,107	0.162	0.061	17,504,018
12/31/18	113,793,702	432,159,933	318,366,231	0.357	-0.134	(42,661,075)
12/31/19	86,389,350	449,719,478	363,330,128	0.238	-0.015	(5,449,952)

Average (4) = 0.223

- (a) Losses are for Full Coverage, \$50 Deductible and \$100 Deductible Comprehensive for 1990.
Losses are for Full Coverage, \$50, \$100 and \$250 Deductible Comprehensive for 1991-1992.
Losses are for Full Coverage, \$50, \$100, \$250 and \$500 Deductible Comprehensive for 1993-1996.
Losses are for Full Coverage, \$50, \$100, \$250, \$500 and \$1000 Deductible Comprehensive for 1997-2019.
- (b) Data prior to 1999 is for ISO reporting companies only. Data prior to 2004 excludes Non-Standard Business.

NORTH CAROLINA

DERIVATION OF INCURRED-TO-PAID FACTOR (A)

(1) <u>Year</u>	(2) <u>Incurred Losses</u>	(3) <u>Paid Losses</u>	(4) <u>(2)/(3) Factor</u>
2017	1,556,421,576	1,553,104,763	1.002
2018	1,810,487,076	1,767,764,953	1.024
2019	1,865,813,260	1,872,828,853	0.996

(A) Source: Statutory Page 14 Private Passenger Auto Physical Damage (line 21.1)

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
CALCULATION OF AVERAGE INCREASED LIMITS FACTORS

Year Ending 12/31/2019
Voluntary and Ceded Bodily Injury - 30/60 base

Limit Of Liability	(1) Written Premium	(2) Prior ILF	(3) 30/60 Premium	(4) Current ILF	(5) (3)x(4) T/L Premium
30/60	356,570,128	1.00	356,570,128	1.00	356,570,128
50/100	276,039,108	1.18	233,931,447	1.18	276,039,107
100/200	8,732,108	1.39	6,282,092	1.39	8,732,108
100/300	414,968,208	1.40	296,405,863	1.40	414,968,208
250/500	149,562,726	1.66	90,098,028	1.66	149,562,726
300/300	18,276,716	1.62	11,281,923	1.62	18,276,715
500/1000	8,144,581	1.85	4,402,476	1.85	8,144,581
1000/1000	4,847,567	1.96	2,473,248	1.96	4,847,566
All Other	4,314,065	1.235	3,493,170	1.235	4,314,065
	1,241,455,207	1.235	1,004,938,375	1.235	1,241,455,204

Year Ending 12/31/2018
Voluntary and Ceded Bodily Injury - 30/60 base

Limit Of Liability	(1) Written Premium	(2) Prior ILF	(3) 30/60 Premium	(4) Current ILF	(5) (3)x(4) T/L Premium
30/60	341,428,531	1.00	341,428,531	1.00	341,428,531
50/100	274,421,313	1.18	232,560,435	1.18	274,421,313
100/200	8,690,351	1.39	6,252,051	1.39	8,690,351
100/300	413,503,479	1.40	295,359,628	1.40	413,503,479
250/500	143,430,105	1.66	86,403,678	1.66	143,430,105
300/300	18,632,109	1.62	11,501,302	1.62	18,632,109
500/1000	8,240,755	1.85	4,454,462	1.85	8,240,755
1000/1000	4,404,513	1.96	2,247,201	1.96	4,404,514
All Other	4,381,166	1.237	3,541,767	1.237	4,381,166
	1,217,132,322	1.237	983,749,055	1.237	1,217,132,323

Year Ending 12/31/2017
Voluntary and Ceded Bodily Injury - 30/60 base

Limit Of Liability	(1) Written Premium	(2) Prior ILF	(3) 30/60 Premium	(4) Current ILF	(5) (3)x(4) T/L Premium
30/60	314,717,425	1.00	314,717,425	1.00	314,717,425
50/100	266,615,294	1.18	225,945,164	1.18	266,615,294
100/200	8,511,261	1.39	6,123,209	1.39	8,511,261
100/300	406,392,806	1.40	290,280,576	1.40	406,392,806
250/500	136,645,702	1.66	82,316,688	1.66	136,645,702
300/300	18,325,435	1.62	11,311,997	1.62	18,325,435
500/1000	8,394,729	1.85	4,537,691	1.85	8,394,728
1000/1000	4,225,048	1.96	2,155,637	1.96	4,225,049
All Other	5,744,851	1.242	4,625,484	1.242	5,744,851
	1,169,572,551	1.242	942,013,871	1.242	1,169,572,551

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
CALCULATION OF AVERAGE INCREASED LIMITS FACTORS

Year Ending 12/31/2019

Voluntary and Ceded Property Damage - \$25,000 base

Limit Of Liability	(1) Written Premium	(2) Prior ILF	(3) \$25,000 Premium	(4) Current ILF	(5) (3)x(4) T/L Premium
25,000	376,318,094	1.000	376,318,094	1.000	376,318,094
35,000	420,199	1.005	418,108	1.005	420,199
50,000	513,364,315	1.010	508,281,500	1.010	513,364,315
100,000	314,114,278	1.030	304,965,318	1.030	314,114,278
250,000	6,397,962	1.059	6,041,513	1.059	6,397,962
300,000	178,512	1.071	166,678	1.071	178,512
500,000	3,275,200	1.113	2,942,677	1.113	3,275,200
1,000,000	409,950	1.202	341,057	1.202	409,951
All Other	2,475,492	1.013	2,443,724	1.013	2,475,492
	1,216,954,002	1.013	1,201,918,669	1.013	1,216,954,003

Year Ending 12/31/2018

Voluntary and Ceded Property Damage - \$25,000 base

Limit Of Liability	(1) Written Premium	(2) Prior ILF	(3) \$25,000 Premium	(4) Current ILF	(5) (3)x(4) T/L Premium
25,000	352,496,585	1.000	352,496,585	1.000	352,496,585
35,000	380,822	1.005	378,927	1.005	380,822
50,000	491,136,551	1.010	486,273,813	1.010	491,136,551
100,000	294,436,669	1.030	285,860,844	1.030	294,436,669
250,000	5,354,392	1.059	5,056,083	1.059	5,354,392
300,000	169,660	1.071	158,413	1.071	169,660
500,000	3,021,211	1.113	2,714,475	1.113	3,021,211
1,000,000	379,705	1.202	315,894	1.202	379,705
All Other	3,118,880	1.012	3,081,897	1.012	3,118,880
	1,150,494,475	1.012	1,136,336,931	1.012	1,150,494,475

Year Ending 12/31/2017

Voluntary and Ceded Property Damage - \$25,000 base

Limit Of Liability	(1) Written Premium	(2) Prior ILF	(3) \$25,000 Premium	(4) Current ILF	(5) (3)x(4) T/L Premium
25,000	302,377,872	1.000	302,377,872	1.000	302,377,872
35,000	316,233	1.005	314,660	1.005	316,233
50,000	427,531,578	1.010	423,298,592	1.010	427,531,578
100,000	246,010,898	1.030	238,845,532	1.030	246,010,898
250,000	4,401,646	1.059	4,156,417	1.059	4,401,646
300,000	165,168	1.071	154,218	1.071	165,167
500,000	2,566,980	1.113	2,306,361	1.113	2,566,980
1,000,000	342,910	1.202	285,283	1.202	342,910
All Other	4,123,830	1.012	4,074,931	1.012	4,123,830
	987,837,115	1.012	975,813,866	1.012	987,837,114

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
CALCULATION OF AVERAGE INCREASED LIMITS FACTORS
MEDICAL PAYMENTS

Year Ending 12/31/2019
Voluntary and Ceded Medical Payments - \$500 Base

Limit	(1) Written Premium	(2) Current ILF	(3) (1)/(2) B/L Premium
\$500	2,777,830	1.00	2,777,830
750	115,805	1.33	87,071
1,000	34,426,151	1.60	21,516,344
2,000	46,580,107	2.34	19,906,029
3,000	585,576	2.79	209,884
5,000	30,757,303	3.38	9,099,794
10,000	10,021,824	3.86	2,596,327
All Other	7,976,185	2.229	3,578,369
Total	133,240,781	2.229	59,771,648

Year Ending 12/31/2018
Voluntary and Ceded Medical Payments - \$500 Base

Limit	(1) Written Premium	(2) Current ILF	(3) (1)/(2) B/L Premium
\$500	2,733,682	1.00	2,733,682
750	102,079	1.33	76,751
1,000	34,332,190	1.60	21,457,619
2,000	46,576,649	2.34	19,904,551
3,000	557,542	2.79	199,836
5,000	29,927,989	3.38	8,854,435
10,000	9,426,786	3.86	2,442,173
All Other	7,876,849	2.221	3,546,533
Total	131,533,766	2.221	59,215,580

Year Ending 12/31/2017
Voluntary and Ceded Medical Payments - \$500 Base

Limit	(1) Written Premium	(2) Current ILF	(3) (1)/(2) B/L Premium
\$500	2,447,638	1.00	2,447,638
750	83,888	1.33	63,074
1,000	33,133,119	1.60	20,708,199
2,000	44,336,310	2.34	18,947,141
3,000	511,265	2.79	183,249
5,000	28,186,821	3.38	8,339,296
10,000	8,578,730	3.86	2,222,469
All Other	7,765,218	2.217	3,502,579
Total	125,042,989	2.217	56,413,645

North Carolina Dividends

LIABILITY			
Year	Vol + Ced Manual Earned Prem.	Amount of Dividend	Dividend as % of Vol+Ced Manual Earned Prem.
2014	3,175,293,012	10,791,543	0.34%
2015	3,212,726,380	11,038,054	0.34%
2016	3,312,275,573	9,159,705	0.28%
2017	3,500,381,382	10,265,267	0.29%
2018	3,809,373,209	11,815,554	0.31%
2019	3,923,321,884	18,559,790	0.47%
		6 year average:	0.34%

PHYSICAL DAMAGE				
Year	Standard Manual Earned Prem.	Non-Standard Manual Earned Prem.	Amount of Dividend	Dividend as % of Manual Earned Prem.*
2014	1,772,566,198	514,204,735	7,836,312	0.34%
2015	1,935,815,351	565,355,305	8,120,288	0.32%
2016	2,155,650,143	643,666,211	8,031,384	0.29%
2017	2,324,372,761	736,769,450	9,532,087	0.31%
2018	2,412,969,095	765,853,691	11,422,852	0.36%
2019	2,588,238,948	846,267,663	16,609,272	0.48%
			6 year average:	0.35%

* Manual Earned Premium Includes Standard and Non-Standard business.

North Carolina Net Deviations

AUTO LIABILITY

Voluntary Business

Year	(1) Premium at Rate Bureau Rates	(2) Deviation % From RB Manual Rates	(3) Anticipated Premium (1) x (2)	(4) Amount of Deviation (3) - (1)
2014	1,988,297,739	-22.09%	1,549,082,769	(439,214,970)
2015	2,015,691,242	-21.47%	1,582,922,332	(432,768,910)
2016	2,027,889,689	-20.67%	1,608,724,890	(419,164,799)
2017	2,209,579,381	-21.12%	1,742,916,216	(466,663,165)
2018	2,522,214,285	-21.03%	1,991,792,621	(530,421,664)
2019	2,405,907,198	-22.38%	1,867,465,167	(538,442,031)

Ceded Business

Year	(5) O/T Clean Ceded Premium at Rate Bureau Rates	(6) Deviation % From RB Manual Rates	(7) O/T Clean Ceded Anticipated Premium (5) x (6)	(8) O/T Clean Ceded Amount of Deviation (7) - (5)	(9) Clean Risk Ceded Premium at Rate Bureau Rates	(10) Clean Risk Ceded Anticipated Premium = Col (9)	(11) Clean Risk Ceded Amount of Deviation (10) - (9)
2014	190,729,121	24.50%	237,457,755	46,728,634	358,645,683	358,645,683	0
2015	194,239,262	25.10%	242,993,316	48,754,054	339,189,856	339,189,856	0
2016	185,016,821	27.40%	235,711,429	50,694,608	368,103,876	368,103,876	0
2017	241,804,698	34.00%	324,018,295	82,213,597	485,720,843	485,720,843	0
2018	255,608,621	37.60%	351,717,462	96,108,841	499,639,639	499,639,639	0
2019	225,691,688	37.70%	310,777,454	85,085,766	433,365,902	433,365,902	0

All Liability Business

Year	(12) Total Premium at Rate Bureau Rates (1) + (5) + (9)	(13) Total Anticipated Premium (3) + (7) + (10)	(14) Amount of Deviation (13) - (12)	(15) Clean Risk Recoupment Factor	(16) Recoupment Amount [((1)+(7)+(9)) x (15)]	(17) Overall Pct. Deviation ((14)+(16)) / (12)
2014	2,537,672,543	2,145,186,207	(392,486,336)	5.18%	133,871,981	-10.19%
2015	2,549,120,359	2,165,105,504	(384,014,856)	5.18%	134,569,895	-9.79%
2016	2,581,010,385	2,212,540,195	(368,470,190)	4.76%	125,269,158	-9.42%
2017	2,937,104,922	2,552,655,354	(384,449,568)	5.58%	168,477,973	-7.35%
2018	3,277,462,545	2,843,149,722	(434,312,823)	6.27%	211,522,926	-6.80%
2019	3,064,964,788	2,611,608,523	(453,356,265)	6.75%	212,628,412	-7.85%
6 year average:						-8.57%

Note: This exhibit is based on statistical plan data and Rate Bureau expense call data and reflects the Rate Bureau's best estimate of the information presented.

North Carolina Net Deviations

AUTO PHYSICAL DAMAGE

Year	(1) Std Phy Dam Premium at Rate Bureau Rates	(2) Deviation % From RB Manual Rates	(3) Std Phy Dam Anticipated Premium (1) x (2)	(4) Std Phy Dam Amount of Deviation (3) - (1)
2014	1,492,323,295	-25.24%	1,115,660,895	(376,662,400)
2015	1,683,935,476	-26.16%	1,243,417,955	(440,517,521)
2016	1,826,853,513	-27.61%	1,322,459,258	(504,394,255)
2017	2,320,070,863	-27.78%	1,675,555,177	(644,515,686)
2018	2,514,981,788	-27.30%	1,828,391,760	(686,590,028)
2019	2,384,328,980	-30.07%	1,667,361,256	(716,967,724)

Year	(5) Non-Std Premium at Rate Bureau Rates	(6) Deviation % From RB Manual Rates	(7) Non-Std Phy Dam Anticipated Premium (5) x (6)	(8) Non-Std Phy Dam Amount of Deviation (7) - (5)
2014	306,526,721	43.53%	439,957,803	133,431,082
2015	333,035,576	43.97%	479,471,319	146,435,743
2016	341,910,729	43.50%	490,641,896	148,731,167
2017	418,113,604	45.05%	606,473,783	188,360,179
2018	426,946,005	48.48%	633,929,428	206,983,423
2019	381,078,041	50.01%	571,655,169	190,577,128

Year	(9) Total Phy Dam Premium at Rate Bureau Rates (1) + (5)	(10) Total Anticipated Premium (3) + (7)	(11) Amount of Deviation (10) - (9)	(12) Overall Pct. Deviation (11) / (9)
2014	1,798,850,016	1,555,618,698	(243,231,318)	-13.52%
2015	2,016,971,052	1,722,889,274	(294,081,778)	-14.58%
2016	2,168,764,242	1,813,101,154	(355,663,088)	-16.40%
2017	2,738,184,467	2,282,028,960	(456,155,507)	-16.66%
2018	2,941,927,793	2,462,321,188	(479,606,605)	-16.30%
2019	2,765,407,021	2,239,016,425	(526,390,596)	-19.03%

6 year average: -16.08%

Note: This exhibit is based on statistical plan data and Rate Bureau expense call data and reflects the Rate Bureau's best estimate of the information presented.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
SUMMARY OF LIABILITY EXPENSE EXPERIENCE - VOLUNTARY AND CEDED BUSINESS

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Premium Written (Manual Level)	\$3,253,134,420	\$3,365,654,765	\$3,600,869,451	\$3,871,364,891	\$4,010,776,940
Premiums Earned (Manual Level)	3,212,726,380	3,312,275,573	3,500,381,382	3,809,373,209	3,923,321,884
Premium Written (Collected Level)	2,735,427,380	2,851,419,638	3,037,842,520	3,262,363,149	3,326,393,184
Premiums Earned (Collected Level)	2,707,574,164	2,813,993,653	2,955,595,178	3,217,916,772	3,280,053,971
Commission & Brokerage	245,323,356	245,191,370	267,005,493	279,082,501	282,406,751
Other Acquisition	264,894,381	274,024,393	275,872,153	298,186,071	309,212,961
General Expenses	192,175,216	195,630,434	187,274,686	210,008,699	232,009,386
Taxes, Licenses, and Fees	61,144,451	66,987,592	70,117,023	72,151,020	72,846,577
Bodily Injury Losses Incurred	1,098,260,133	1,181,757,501	1,352,777,629	1,260,082,758	1,376,909,614
BI Allocated Loss Adjustment	37,413,800	34,519,354	37,817,812	33,764,450	50,244,623
BI Unallocated Loss Adjustment	151,973,148	165,777,211	161,129,921	164,473,833	174,194,737
Property Damage Losses Incurred	892,842,331	966,484,264	1,063,347,807	1,074,640,046	1,157,351,638
PD Allocated Loss Adjustment	4,901,368	4,715,056	6,400,022	6,802,407	6,019,250
PD Unallocated Loss Adjustment	99,338,502	107,430,086	109,708,292	128,063,657	133,494,654

COMBINED RATIOS

Commission & Brokerage to Written Premium (a)(b)	.086	.080	.083	.080	.079
Other Acquisition to Earned Premium (b)	.098	.097	.093	.093	.094
General Expenses to Earned Premium (b)	.071	.070	.063	.065	.071
Taxes, Licenses, etc. to Written Premium (b)	.022	.023	.023	.022	.022
	<u>BI</u>	<u>PD</u>	<u>BI</u>	<u>PD</u>	<u>BI</u>
Unallocated Loss Adjustment Expenses to Losses + Allocated	.134	.111	.136	.111	.115
	<u>BI</u>	<u>PD</u>	<u>BI</u>	<u>PD</u>	<u>BI</u>
	.127	.118	.127	.118	.115

- Notes:
- (a) Since ceded business has a commission and brokerage provision set at 10%, the provision for voluntary business is found by solving the following expression for X:
 $.10 \text{ (percent ceded written premium)} + X \text{ (percent voluntary written premium)} = \text{overall Commission and Brokerage provision.}$
- (b) Ratios are to premiums at collected level.

Source: North Carolina Rate Bureau Expense Call

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
SUMMARY OF PHYSICAL DAMAGE EXPENSE EXPERIENCE - STANDARD BUSINESS

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Premium Written (Collected Level)	\$1,471,389,113	\$1,617,970,142	\$1,709,974,738	\$1,789,923,910	\$1,828,939,447
Premium Earned (Collected Level)	1,434,476,732	1,570,893,050	1,681,906,896	1,764,379,641	1,816,543,102
Commission & Brokerage	130,883,454	136,734,568	145,995,958	148,462,027	154,916,386
Other Acquisition	132,842,401	143,738,502	147,197,360	154,505,596	160,767,200
General Expenses	86,264,588	81,217,891	82,302,957	94,796,110	104,777,275
Taxes, Licenses, and Fees	33,898,022	38,057,553	40,357,673	39,585,338	41,936,481
Losses Incurred	874,358,318	1,062,073,850	989,860,507	1,159,657,381	1,194,081,458
All Loss Adjustment Expenses	120,670,199	130,720,657	128,387,269	144,708,876	138,775,230

COMBINED RATIOS

Commission & Brokerage to Written Premium (a)	.089	.085	.085	.083	.085
Other Acquisition to Earned Premium (a)	.093	.092	.088	.088	.089
General Expenses to Earned Premium (a)	.060	.052	.049	.054	.058
Taxes, Licenses, etc. to Written Premium (a)	.023	.024	.024	.022	.023
All Loss Adjustment Expenses to Incurred Losses	.138	.126	.130	.125	.116

Notes:

(a) Ratios are to premiums at collected level.

Source: North Carolina Rate Bureau Expense Call

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
SUMMARY OF PHYSICAL DAMAGE EXPENSE EXPERIENCE - NON-STANDARD BUSINESS

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Premium Written (Collected Level)	\$839,661,196	\$957,983,199	\$1,118,193,520	\$1,185,566,576	\$1,303,185,397
Premium Earned (Collected Level)	816,208,872	921,295,924	1,079,606,579	1,155,694,300	1,271,882,408
Commission & Brokerage	69,775,445	77,732,015	97,914,763	101,522,860	103,399,516
Other Acquisition	74,273,775	82,638,953	86,338,620	98,457,158	102,189,664
General Expenses	54,260,911	58,582,003	60,727,095	83,865,348	93,585,505
Taxes, Licenses, and Fees	18,187,764	27,955,322	26,258,091	26,432,060	27,198,112
Losses Incurred	453,766,514	556,084,763	528,605,495	605,807,600	630,384,747
All Loss Adjustment Expenses	59,449,707	68,544,540	68,200,747	76,498,899	78,834,628

COMBINED RATIOS

Commission & Brokerage to Written Premium (a)	.083	.081	.088	.086	.079
Other Acquisition to Earned Premium (a)	.091	.090	.080	.085	.080
General Expenses to Earned Premium (a)	.066	.064	.056	.073	.074
Taxes, Licenses, etc. to Written Premium (a)	.022	.029	.023	.022	.021
All Loss Adjustment Expenses to Incurred Losses	.131	.123	.129	.126	.125

Notes:

(a) Ratios are to premiums at collected level.

Source: North Carolina Rate Bureau Expense Call

NORTH CAROLINA
MOTORCYCLE INSURANCE
SUMMARY OF LIABILITY EXPENSE EXPERIENCE - VOLUNTARY AND CEDED BUSINESS

<u>Item</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Premiums Written at Manual Level	\$41,432,514	\$43,560,721	\$43,919,825	\$43,262,292	\$43,258,273
Premiums Earned at Manual Level	40,345,523	42,087,690	44,348,926	43,768,990	42,959,918
Premiums Written (Collected Lvl)	37,502,864	39,663,017	40,367,385	40,021,185	39,786,835
Premiums Earned (Collected Lvl)	36,917,703	38,398,817	40,544,165	40,358,700	39,706,015
Commission & Brokerage	2,837,910	3,021,504	3,103,937	2,934,608	2,809,444
Other Acquisition	3,829,897	4,383,598	4,725,431	4,173,112	4,529,807
General Expenses	3,250,704	3,702,191	3,382,332	3,306,831	3,374,458
Taxes, Licenses, and Fees	719,336	925,113	826,067	752,685	746,067
Losses Incurred	17,887,781	16,670,219	22,734,786	17,341,185	15,172,984
Allocated Loss Adjustment Exp.	308,934	228,166	277,840	360,788	330,335
Unallocated Loss Adjustment Exp.	2,514,390	2,319,734	3,225,477	1,903,197	1,604,406

COMBINED RATIOS

Commission & Brokerage to Written Premium (a)	.076	.076	.077	.073	.071
Other Acquisition to Earned Premium (a)	.104	.114	.117	.103	.114
General Expenses to Earned Premium (a)	.088	.096	.083	.082	.085
Taxes, Licenses, etc. to Written Premium (a)	.019	.023	.020	.019	.019
Unallocated Loss Adjustment Expenses to Losses + Allocated	.138	.137	.140	.108	.103

Notes:

(a) Ratios are to premiums at collected level.

Source: North Carolina Rate Bureau Expense Call

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF TREND FOR EXPENSES

	<u>ALL ITEMS CPI INDEX</u>	<u>ALL ITEMS - LESS ENERGY CPI INDEX</u>	<u>COMPENSATION COST INDEX</u>
Oct-16	241.7	248.4	
Nov-16	241.4	248.3	129.5
Dec-16	241.4	248.2	
Jan-17	242.8	249.1	
Feb-17	243.6	250.1	130.8
Mar-17	243.8	250.3	
Apr-17	244.5	250.7	
May-17	244.7	250.9	132.8
Jun-17	245.0	251.0	
Jul-17	244.8	251.0	
Aug-17	245.5	251.5	132.5
Sep-17	246.8	252.0	
Oct-17	246.7	252.6	
Nov-17	246.7	252.4	132.6
Dec-17	246.5	252.5	
Jan-18	247.9	253.6	
Feb-18	249.0	254.6	134.1
Mar-18	249.6	255.3	
Apr-18	250.5	255.8	
May-18	251.6	256.1	136.3
Jun-18	252.0	256.3	
Jul-18	252.0	256.5	
Aug-18	252.1	256.7	135.9
Sep-18	252.4	257.1	
Oct-18	252.9	257.7	
Nov-18	252.0	257.7	135.7
Dec-18	251.2	257.8	
Jan-19	251.7	258.9	
Feb-19	252.8	259.8	137.8
Mar-19	254.2	260.5	
Apr-19	255.5	260.9	
May-19	256.1	261.2	139.1
Jun-19	256.1	261.7	
Jul-19	256.6	262.1	
Aug-19	256.6	262.6	139.6
Sep-19	256.8	263.0	
Oct-19	257.3	263.5	
Nov-19	257.2	263.5	139.6
Dec-19	257.0	263.5	
Jan-20	258.0	264.5	
Feb-20	258.7	265.7	140.6
Mar-20	258.1	265.9	
Apr-20	256.4	265.5	
May-20	256.4	265.5	142.5
Jun-20	257.8	266.1	
Jul-20	259.1	267.1	
Aug-20	259.9	268.1	142.7
Sep-20	260.3	268.3	

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF TREND FOR EXPENSES

	<u>All Items (A)</u>	<u>All Items - Less Energy (B)</u>	<u>CCI (C)</u>	<u>Combined (D)</u>
(1) Annual Change in indices based on exponential curve of best fit for the latest 48 points (or 16 quarters)	1.92%	2.03%	2.53%	2.25%
(2) Annual Change in indices based on exponential curve of best fit for the latest 36 points (or 12 quarters)	1.71%	2.09%	2.55%	2.22%
(3) Annual Change in indices based on exponential curve of best fit for the latest 24 points (or 8 quarters)	1.53%	2.08%	2.66%	2.23%
(4) Annual Change in indices based on exponential curve of best fit for the latest 12 points (or 4 quarters)	1.02%	2.02%	3.22%	2.37%
(5) Average Annual Index (E)				
Year Ended 3/31/2018	246.48	252.34	133.00	
Year Ended 9/30/2018	249.75	254.96	134.73	
Year Ended 3/31/2019	252.12	257.58	136.43	
Year Ended 9/30/2019	254.38	260.33	138.05	
Year Ended 3/31/2020	257.00	263.18	139.73	
Year Ended 9/30/2020	258.02	265.60	141.35	
(6) Current Cost Factor (Index Value Divided by Average Annual Index)				
Year Ended 3/31/2018	1.06	1.06	1.07	1.07
Year Ended 9/30/2018	1.04	1.05	1.06	1.05
Year Ended 3/31/2019	1.03	1.04	1.05	1.04
Year Ended 9/30/2019	1.02	1.03	1.03	1.03
Year Ended 3/31/2020	1.01	1.02	1.02	1.02
Year Ended 9/30/2020	1.01	1.01	1.01	1.01

Notes: (A) All items CPI index (urban). Source: Bureau of Labor Statistics.

(B) All items less energy CPI index (urban). Source: Bureau of Labor Statistics.

(C) Total Compensation Cost Index - Insurance Carriers, Agent Brokers, and Service. Source: Bureau of Labor Statistics.

(D) Weighted Average determined as .25 (All items) + .25 (All items - Less Energy) + .50 (CCI).

(E) Average year ended index for period shown.

NORTH CAROLINA
EXTERNAL EXPENSE TREND SUMMARY
AVERAGE ANNUAL RATES OF CHANGE
DATA ENDED SEPTEMBER 2020

ALL ITEMS CONSUMER PRICE INDEX

	STRAIGHT LINE		<u>EXPONENTIAL</u>
	<u>END POINT</u>	<u>MID POINT</u>	
48 points	1.83%	1.90%	1.92%
36 points	1.65%	1.69%	1.71%
24 points	1.49%	1.51%	1.53%
12 points	1.01%	1.01%	1.02%

ALL ITEMS - LESS ENERGY CONSUMER PRICE INDEX

	STRAIGHT LINE		<u>EXPONENTIAL</u>
	<u>END POINT</u>	<u>MID POINT</u>	
48 points	1.94%	2.01%	2.03%
36 points	2.01%	2.06%	2.09%
24 points	2.03%	2.06%	2.08%
12 points	1.99%	2.00%	2.02%

COMPENSATION COST INDEX

	STRAIGHT LINE		<u>EXPONENTIAL</u>
	<u>END POINT</u>	<u>MID POINT</u>	
16 points	2.38%	2.49%	2.53%
12 points	2.43%	2.52%	2.55%
8 points	2.57%	2.62%	2.66%
4 points	3.13%	3.17%	3.22%

NORTH CAROLINA

EXTERNAL EXPENSE TREND SUMMARY
CORRELATION COEFFICIENTS
DATA ENDED SEPTEMBER 2020

ALL ITEMS CONSUMER PRICE INDEX

	STRAIGHT LINE	EXPONENTIAL
48 points	0.98	0.98
36 points	0.96	0.96
24 points	0.90	0.90
12 points	0.62	0.62

ALL ITEMS - LESS ENERGY CONSUMER PRICE INDEX

	STRAIGHT LINE	EXPONENTIAL
48 points	1.00	1.00
36 points	1.00	1.00
24 points	0.99	0.99
12 points	0.96	0.96

COMPENSATION COST INDEX

	STRAIGHT LINE	EXPONENTIAL
16 points	0.99	0.99
12 points	0.98	0.98
8 points	0.97	0.97
4 points	0.96	0.96

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM COST

ALL CARRIERS

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST		(6) PAID LOSSES	(7) PAID CLAIMS	AVERAGE PAID CLAIM COST		
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)			(8) ACTUAL (6)/(7)	(9) EXPONENTIAL CURVE OF BEST FIT (A)	
<u>BODILY INJURY (30/60 LIMIT)</u>					<u>PROPERTY DAMAGE (TOTAL LIMITS)</u>				
Sep-14	\$668,104,746	96,011	\$6,959	\$6,945.35	\$726,468,277	270,195	\$2,689	\$3,023.04	
Dec-14	677,501,412	97,200	6,970	7,030.60	747,696,281	277,300	2,696	3,052.12	
Mar-15	697,056,357	100,165	6,959	7,116.89	771,644,062	281,867	2,738	3,081.48	
Jun-15	704,059,123	101,811	6,915	7,204.24	788,343,594	284,042	2,775	3,111.11	
Sep-15	710,045,595	103,695	6,847	7,292.67	809,166,822	289,048	2,799	3,141.04	
Dec-15	714,139,362	105,300	6,782	7,382.18	826,756,305	292,372	2,828	3,171.25	
Mar-16	725,405,911	105,960	6,846	7,472.79	856,600,895	296,572	2,888	3,201.75	
Jun-16	741,137,649	107,756	6,878	7,564.51	887,184,071	303,653	2,922	3,232.55	
Sep-16	761,371,373	108,001	7,050	7,657.36	911,644,593	304,790	2,991	3,263.64	
Dec-16	778,934,885	107,693	7,233	7,751.35	937,693,884	304,271	3,082	3,295.03	
Mar-17	800,127,094	108,932	7,345	7,846.49	957,174,130	303,905	3,150	3,326.72	
Jun-17	803,807,124	108,878	7,383	7,942.80	971,987,427	303,118	3,207	3,358.72	
Sep-17	805,720,885	108,507	7,426	8,040.29	983,364,286	303,208	3,243	3,391.02	
Dec-17	807,856,861	107,357	7,525	8,138.98	990,048,405	301,098	3,288	3,423.64	
Mar-18	805,947,993	105,706	7,624	8,238.88	986,136,692	301,502	3,271	3,456.57	
Jun-18	811,273,731	103,551	7,835	8,340.00	983,240,409	298,272	3,296	3,489.82	
Sep-18	810,249,263	102,268	7,923	8,442.37	973,946,527	295,548	3,295	3,523.38	
Dec-18	808,072,641	101,397	7,969	8,545.99	981,219,405	298,157	3,291	3,557.27	
Mar-19	810,281,806	100,734	8,044	8,650.89	1,008,370,208	302,008	3,339	3,591.49	
Jun-19	819,772,110	100,740	8,138	8,757.07	1,026,848,428	304,263	3,375	3,626.03	
Sep-19	832,154,155	101,100	8,231	8,864.56	1,062,695,794	309,241	3,436	3,660.91	
Dec-19	843,486,604	101,419	8,317	8,973.36	1,088,519,256	311,952	3,489	3,696.12	
Mar-20	854,062,474	101,798	8,390	9,083.50	1,104,313,212	310,704	3,554	3,731.67	
Jun-20	836,896,637	97,759	8,561	9,194.99	1,044,964,060	286,509	3,647	3,767.56	

(10) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	BODILY INJURY		PROPERTY DAMAGE	
	THROUGH 2Q20	THROUGH 1Q20	THROUGH 2Q20	THROUGH 1Q20
6-points	4.8%	4.3%	7.2%	6.3%
9-points	4.3%	4.5%	5.3%	4.2%
12-points	5.0%	5.0%	3.9%	3.3%
15-points	4.9%	5.0%	3.9%	3.9%
24-points	4.2%	4.2%	5.3%	5.3%

(A) THE FITS GIVEN USE THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM COST

ALL CARRIERS

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST		(6) PAID LOSSES	(7) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)			(8) ACTUAL (6)/(7)	(9) EXPONENTIAL CURVE OF BEST FIT (A)
<u>BODILY INJURY (30/60 EXCESS)</u>					<u>BODILY INJURY (TOTAL LIMITS)</u>			
Sep-14	\$126,942,570	96,011	\$1,322	\$1,176.64	\$795,047,316	96,011	\$8,281	\$8,116.33
Dec-14	127,243,899	97,200	1,309	1,202.94	804,745,311	97,200	8,279	8,228.90
Mar-15	127,656,475	100,165	1,274	1,229.83	824,712,832	100,165	8,234	8,343.03
Jun-15	127,782,927	101,811	1,255	1,257.32	831,842,050	101,811	8,170	8,458.74
Sep-15	125,219,711	103,695	1,208	1,285.42	835,265,306	103,695	8,055	8,576.06
Dec-15	136,414,769	105,300	1,295	1,314.16	850,554,131	105,300	8,077	8,695.00
Mar-16	140,935,094	105,960	1,330	1,343.53	866,341,005	105,960	8,176	8,815.60
Jun-16	144,410,573	107,756	1,340	1,373.56	885,548,222	107,756	8,218	8,937.86
Sep-16	147,425,361	108,001	1,365	1,404.27	908,796,734	108,001	8,415	9,061.83
Dec-16	134,388,297	107,693	1,248	1,435.66	913,323,182	107,693	8,481	9,187.51
Mar-17	140,439,757	108,932	1,289	1,467.75	940,566,851	108,932	8,634	9,314.94
Jun-17	142,324,221	108,878	1,307	1,500.56	946,131,345	108,878	8,690	9,444.13
Sep-17	144,116,357	108,507	1,328	1,534.10	949,837,242	108,507	8,754	9,575.11
Dec-17	147,774,062	107,357	1,376	1,568.39	955,630,923	107,357	8,901	9,707.91
Mar-18	146,475,562	105,706	1,386	1,603.45	952,423,555	105,706	9,010	9,842.56
Jun-18	148,494,304	103,551	1,434	1,639.29	959,768,035	103,551	9,269	9,979.07
Sep-18	151,966,541	102,268	1,486	1,675.94	962,215,804	102,268	9,409	10,117.47
Dec-18	153,901,281	101,397	1,518	1,713.40	961,973,922	101,397	9,487	10,257.80
Mar-19	155,420,896	100,734	1,543	1,751.70	965,702,702	100,734	9,587	10,400.07
Jun-19	157,486,170	100,740	1,563	1,790.85	977,258,280	100,740	9,701	10,544.31
Sep-19	163,947,844	101,100	1,622	1,830.89	996,101,999	101,100	9,853	10,690.55
Dec-19	169,637,875	101,419	1,673	1,871.81	1,013,124,479	101,419	9,989	10,838.82
Mar-20	169,060,342	101,798	1,661	1,913.65	1,023,122,816	101,798	10,051	10,989.15
Jun-20	163,331,418	97,759	1,671	1,956.43	1,000,228,055	97,759	10,232	11,141.57

(10) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	30/60 EXCESS		TOTAL LIMITS	
	THROUGH 2Q20	THROUGH 1Q20	THROUGH 2Q20	THROUGH 1Q20
6-points	7.2%	8.7%	5.2%	5.0%
9-points	8.3%	9.7%	4.9%	5.3%
12-points	9.2%	9.8%	5.7%	5.7%
15-points	9.3%	8.5%	5.6%	5.5%
24-points	5.3%	5.1%	4.4%	4.3%

(A) THE FITS GIVEN USE THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN MEDICAL PAYMENTS CLAIM COSTS

ALL CARRIERS

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)
Sep-14	\$94,024,779	57,600	\$1,632	\$1,638.05
Dec-14	94,343,918	57,896	1,630	1,645.99
Mar-15	96,162,843	59,444	1,618	1,653.97
Jun-15	96,719,818	59,340	1,630	1,661.99
Sep-15	97,207,169	59,546	1,632	1,670.04
Dec-15	98,399,455	60,118	1,637	1,678.14
Mar-16	100,335,388	60,348	1,663	1,686.27
Jun-16	102,649,344	62,149	1,652	1,694.45
Sep-16	105,474,057	63,373	1,664	1,702.66
Dec-16	107,524,657	64,022	1,679	1,710.92
Mar-17	109,423,420	64,804	1,689	1,719.21
Jun-17	111,620,075	65,104	1,714	1,727.55
Sep-17	111,050,480	64,775	1,714	1,735.92
Dec-17	108,829,469	63,350	1,718	1,744.34
Mar-18	106,636,574	62,438	1,708	1,752.79
Jun-18	102,599,908	61,055	1,680	1,761.29
Sep-18	99,572,341	59,012	1,687	1,769.83
Dec-18	98,031,480	57,639	1,701	1,778.41
Mar-19	96,749,765	55,909	1,730	1,787.03
Jun-19	97,191,279	55,415	1,754	1,795.69
Sep-19	98,842,430	56,059	1,763	1,804.40
Dec-19	99,097,282	56,170	1,764	1,813.14
Mar-20	99,218,657	56,045	1,770	1,821.93
Jun-20	93,800,682	52,235	1,796	1,830.77

(10) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	MEDICAL PAYMENTS	
	THROUGH	
	2Q20	1Q20
6-points	2.5%	3.0%
9-points	3.4%	2.8%
12-points	2.0%	1.4%
15-points	1.6%	1.5%
24-points	1.6%	1.6%

(A) THE FITS GIVEN USE THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM FREQUENCIES (A)

ALL CARRIERS

(1)	(2)	(3)	(4)	(5)	(6)
YEAR ENDED	EARNED EXPOSURES	PAID CLAIMS	PAID CLAIM FREQ (2)/(3)	PAID CLAIMS	PAID CLAIM FREQ (5)/(3)
<u>BODILY INJURY</u>			<u>PROPERTY DAMAGE</u>		
Sep-14	7,289,619	96,011	1.3171	270,195	3.7066
Dec-14	7,326,504	97,200	1.3267	277,300	3.7849
Mar-15	7,366,273	100,165	1.3598	281,867	3.8265
Jun-15	7,409,622	101,811	1.3740	284,042	3.8334
Sep-15	7,455,681	103,695	1.3908	289,048	3.8769
Dec-15	7,500,649	105,300	1.4039	292,372	3.8980
Mar-16	7,542,423	105,960	1.4049	296,572	3.9321
Jun-16	7,586,090	107,756	1.4204	303,653	4.0028
Sep-16	7,627,580	108,001	1.4159	304,790	3.9959
Dec-16	7,671,704	107,693	1.4038	304,271	3.9661
Mar-17	7,716,197	108,932	1.4117	303,905	3.9385
Jun-17	7,786,458	108,878	1.3983	303,118	3.8929
Sep-17	7,851,726	108,507	1.3820	303,208	3.8617
Dec-17	7,914,467	107,357	1.3565	301,098	3.8044
Mar-18	7,962,800	105,706	1.3275	301,502	3.7864
Jun-18	7,981,112	103,551	1.2975	298,272	3.7372
Sep-18	7,999,500	102,268	1.2784	295,548	3.6946
Dec-18	8,015,349	101,397	1.2650	298,157	3.7198
Mar-19	8,049,195	100,734	1.2515	302,008	3.7520
Jun-19	8,065,299	100,740	1.2491	304,263	3.7725
Sep-19	8,111,343	101,100	1.2464	309,241	3.8125
Dec-19	8,157,011	101,419	1.2433	311,952	3.8243
Mar-20	8,181,263	101,798	1.2443	310,704	3.7978
Jun-20	8,236,247	97,759	1.1869	286,509	3.4786

(5) RATE OF CHANGE IN PAID CLAIM FREQS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	BODILY INJURY		PROPERTY DAMAGE	
	THROUGH		THROUGH	
	2Q20	1Q20	2Q20	1Q20
6-points	-3.1%	-1.2%	-4.0%	2.0%
9-points	-3.1%	-3.0%	-0.9%	1.1%
12-points	-4.4%	-4.4%	-1.3%	-0.5%
15-points	-4.6%	-4.4%	-1.9%	-1.4%
24-points	-2.3%	-2.1%	-0.8%	-0.5%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM FREQUENCIES (A)

ALL CARRIERS

(1)	(2)	(3)	(4)
YEAR ENDED	EARNED EXPOSURES	PAID CLAIMS	PAID CLAIM FREQ (2)/(3)

MEDICAL PAYMENTS

Sep-14	5,173,457	57,600	1.1134
Dec-14	5,188,073	57,896	1.1159
Mar-15	5,201,656	59,444	1.1428
Jun-15	5,217,356	59,340	1.1374
Sep-15	5,236,046	59,546	1.1372
Dec-15	5,254,719	60,118	1.1441
Mar-16	5,272,178	60,348	1.1447
Jun-16	5,289,390	62,149	1.1750
Sep-16	5,302,879	63,373	1.1951
Dec-16	5,316,284	64,022	1.2043
Mar-17	5,328,303	64,804	1.2162
Jun-17	5,354,220	65,104	1.2159
Sep-17	5,379,300	64,775	1.2042
Dec-17	5,403,007	63,350	1.1725
Mar-18	5,416,914	62,438	1.1526
Jun-18	5,411,487	61,055	1.1282
Sep-18	5,402,323	59,012	1.0923
Dec-18	5,390,133	57,639	1.0693
Mar-19	5,390,934	55,909	1.0371
Jun-19	5,384,555	55,415	1.0291
Sep-19	5,396,698	56,059	1.0388
Dec-19	5,408,220	56,170	1.0386
Mar-20	5,410,473	56,045	1.0359
Jun-20	5,419,055	52,235	0.9639

(5) RATE OF CHANGE IN PAID CLAIM FREQS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	MEDICAL PAYMENTS	
	THROUGH	
	2Q20	1Q20
6-points	-3.9%	-1.6%
9-points	-5.5%	-5.3%
12-points	-6.6%	-6.5%
15-points	-6.3%	-5.6%
24-points	-2.3%	-1.9%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
TREND SUMMARY
DATA ENDED JUNE 2020

ALL CARRIERS

BODILY INJURY 30/60 BASIC

COST	STRAIGHT LINE		
	END POINT	MID POINT	EXPONENTIAL
15 points	4.4%	4.8%	4.9%
12 points	4.6%	4.9%	5.0%
9 points	4.1%	4.3%	4.3%
6 points	4.6%	4.7%	4.8%

FREQ	STRAIGHT LINE		
	END POINT	MID POINT	EXPONENTIAL
24 points	-2.4%	-2.3%	-2.3%
15 points	-5.2%	-4.7%	-4.6%
12 points	-4.8%	-4.5%	-4.4%
9 points	-3.3%	-3.1%	-3.1%
6 points	-3.2%	-3.1%	-3.1%

PROPERTY DAMAGE TOTAL LIMITS

COST	STRAIGHT LINE		
	END POINT	MID POINT	EXPONENTIAL
15 points	3.6%	3.9%	3.9%
12 points	3.7%	3.9%	3.9%
9 points	5.0%	5.3%	5.3%
6 points	6.7%	7.0%	7.2%

FREQ	STRAIGHT LINE		
	END POINT	MID POINT	EXPONENTIAL
24 points	-0.8%	-0.8%	-0.8%
15 points	-1.9%	-1.9%	-1.9%
12 points	-1.3%	-1.3%	-1.3%
9 points	-0.8%	-0.8%	-0.9%
6 points	-4.0%	-3.9%	-4.0%

MEDICAL PAYMENTS TOTAL LIMITS

COST	STRAIGHT LINE		
	END POINT	MID POINT	EXPONENTIAL
15 points	1.6%	1.6%	1.6%
12 points	1.9%	1.9%	1.6%
9 points	3.2%	3.4%	1.6%
6 points	2.4%	2.5%	2.0%

FREQ	STRAIGHT LINE		
	END POINT	MID POINT	EXPONENTIAL
24 points	-2.4%	-2.2%	-2.3%
15 points	-7.3%	-6.4%	-6.3%
12 points	-7.6%	-6.9%	-6.6%
9 points	-6.0%	-5.6%	-5.5%
6 points	-4.0%	-3.9%	-3.9%

NORTH CAROLINA
TREND SUMMARY
DATA ENDED JUNE 2020

ALL CARRIERS

BODILY INJURY 30/60 EXCESS

COST	END POINT	STRAIGHT LINE		EXPONENTIAL
		MID POINT		
15 points	7.7%	9.0%	9.3%	
12 points	7.8%	8.8%	9.2%	
9 points	7.3%	8.0%	8.3%	
6 points	6.7%	6.9%	7.2%	

BODILY INJURY TOTAL LIMITS

COST	END POINT	STRAIGHT LINE		EXPONENTIAL
		MID POINT		
15 points	5.0%	5.5%	5.6%	
12 points	5.1%	5.5%	5.7%	
9 points	4.6%	4.9%	4.9%	
6 points	4.9%	5.1%	5.2%	

NORTH CAROLINA
CORRELATION COEFFICIENTS
DATA ENDED JUNE 2020

ALL CARRIERS

BODILY INJURY 30/60 BASIC

COST	STRAIGHT LINE	EXPONENTIAL
15 points	1.00	1.00
12 points	0.99	0.99
9 points	0.99	0.99
6 points	0.99	0.99

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	-0.75	-0.76
15 points	-0.97	-0.97
12 points	-0.94	-0.94
9 points	-0.89	-0.89
6 points	-0.74	-0.74

PROPERTY DAMAGE TOTAL LIMITS

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.95	0.96
12 points	0.92	0.93
9 points	0.96	0.96
6 points	0.99	0.99

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	-0.46	-0.46
15 points	-0.69	-0.68
12 points	-0.43	-0.43
9 points	-0.20	-0.21
6 points	-0.52	-0.53

MEDICAL PAYMENTS TOTAL LIMITS

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.84	0.83
12 points	0.83	0.82
9 points	0.97	0.97
6 points	0.94	0.94

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	-0.63	-0.64
15 points	-0.97	-0.97
12 points	-0.95	-0.95
9 points	-0.88	-0.88
6 points	-0.62	-0.63

NORTH CAROLINA
CORRELATION COEFFICIENTS
DATA ENDED JUNE 2020

ALL CARRIERS

BODILY INJURY 30/60 EXCESS

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.99	0.99
12 points	0.99	0.99
9 points	0.98	0.98
6 points	0.92	0.92

BODILY INJURY TOTAL LIMITS

COST	STRAIGHT LINE	EXPONENTIAL
15 points	1.00	1.00
12 points	1.00	0.99
9 points	1.00	1.00
6 points	1.00	1.00

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM COSTS

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)

FULL COVERAGE COMPREHENSIVE

Sep-14	\$9,296,045	21,048	\$442	\$448.61
Dec-14	9,235,812	21,359	432	452.90
Mar-15	9,126,147	21,135	432	457.24
Jun-15	8,778,049	20,392	430	461.61
Sep-15	9,151,969	20,559	445	466.03
Dec-15	9,278,583	20,341	456	470.48
Mar-16	9,601,616	21,040	456	474.99
Jun-16	9,581,031	20,549	466	479.53
Sep-16	9,413,965	19,944	472	484.12
Dec-16	9,166,155	19,602	468	488.75
Mar-17	8,771,115	18,611	471	493.42
Jun-17	8,624,605	18,044	478	498.14
Sep-17	8,383,241	17,510	479	502.91
Dec-17	8,569,619	17,760	483	507.72
Mar-18	8,671,287	17,633	492	512.58
Jun-18	8,874,271	18,165	489	517.48
Sep-18	9,104,456	18,728	486	522.43
Dec-18	9,295,271	19,001	489	527.43
Mar-19	9,467,478	19,122	495	532.47
Jun-19	9,618,445	19,034	505	537.57
Sep-19	9,887,950	19,228	514	542.71
Dec-19	9,814,427	18,933	518	547.90
Mar-20	9,699,975	18,672	519	553.14
Jun-20	9,167,984	16,957	541	558.43

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	6.3%	5.3%
9-points	5.2%	3.6%
12-points	3.9%	3.2%
15-points	3.5%	3.0%
24-points	3.5%	3.3%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM COSTS

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)
\$50 DEDUCTIBLE COMPREHENSIVE				
Sep-14	\$879,686	2,453	\$359	\$402.58
Dec-14	854,310	2,486	344	403.23
Mar-15	762,059	2,463	309	403.88
Jun-15	804,027	2,402	335	404.54
Sep-15	851,673	2,424	351	405.19
Dec-15	863,700	2,379	363	405.85
Mar-16	904,666	2,377	381	406.51
Jun-16	853,025	2,283	374	407.16
Sep-16	866,868	2,233	388	407.82
Dec-16	870,072	2,219	392	408.48
Mar-17	866,547	2,135	406	409.15
Jun-17	891,908	2,068	431	409.81
Sep-17	890,367	2,034	438	410.47
Dec-17	868,248	2,050	424	411.14
Mar-18	857,443	2,014	426	411.80
Jun-18	852,616	2,199	388	412.47
Sep-18	819,484	2,215	370	413.14
Dec-18	880,089	2,244	392	413.81
Mar-19	885,613	2,263	391	414.48
Jun-19	884,871	2,157	410	415.15
Sep-19	902,608	2,155	419	415.82
Dec-19	863,020	2,121	407	416.49
Mar-20	870,267	2,122	410	417.17
Jun-20	870,770	1,916	454	417.84

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	8.6%	4.3%
9-points	7.5%	1.9%
12-points	0.6%	-1.9%
15-points	0.5%	-0.1%
24-points	3.9%	3.7%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM COSTS

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)

\$100 DEDUCTIBLE COMPREHENSIVE

Sep-14	\$6,797,377	15,750	\$432	\$482.12
Dec-14	6,868,152	15,965	430	482.94
Mar-15	6,973,222	15,735	443	483.75
Jun-15	6,953,264	15,125	460	484.57
Sep-15	7,238,858	15,440	469	485.39
Dec-15	7,377,155	15,360	480	486.21
Mar-16	7,459,421	15,862	470	487.03
Jun-16	7,294,621	15,522	470	487.85
Sep-16	7,301,991	15,384	475	488.67
Dec-16	7,244,730	15,141	478	489.50
Mar-17	7,125,508	14,554	490	490.33
Jun-17	7,175,270	14,293	502	491.15
Sep-17	6,787,698	13,842	490	491.98
Dec-17	6,762,960	13,830	489	492.81
Mar-18	6,910,009	13,665	506	493.65
Jun-18	6,910,303	13,965	495	494.48
Sep-18	6,993,717	14,305	489	495.31
Dec-18	7,194,516	14,858	484	496.15
Mar-19	7,182,196	14,998	479	496.99
Jun-19	7,150,098	15,102	473	497.83
Sep-19	7,390,938	15,369	481	498.67
Dec-19	7,438,311	15,160	491	499.51
Mar-20	7,465,134	15,007	497	500.35
Jun-20	7,343,896	13,934	527	501.20

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	7.7%	2.6%
9-points	2.2%	-1.0%
12-points	0.7%	-0.9%
15-points	0.5%	0.0%
24-points	2.0%	1.9%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM COSTS

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)

\$250 DEDUCTIBLE COMPREHENSIVE

Sep-14	\$3,475,551	6,672	\$521	\$636.80
Dec-14	3,528,584	6,765	522	630.92
Mar-15	3,522,415	6,623	532	625.10
Jun-15	3,534,083	6,182	572	619.33
Sep-15	3,344,294	6,182	541	613.61
Dec-15	3,314,227	6,196	535	607.95
Mar-16	3,251,150	6,353	512	602.34
Jun-16	3,351,026	6,344	528	596.78
Sep-16	3,592,902	6,390	562	591.27
Dec-16	4,009,329	6,284	638	585.81
Mar-17	4,192,697	6,158	681	580.41
Jun-17	4,052,497	6,072	667	575.05
Sep-17	3,936,410	5,934	663	569.75
Dec-17	3,664,641	6,029	608	564.49
Mar-18	3,519,936	5,800	607	559.28
Jun-18	3,453,960	5,956	580	554.12
Sep-18	3,463,531	6,197	559	549.00
Dec-18	3,587,189	6,602	543	543.94
Mar-19	3,700,016	7,014	528	538.92
Jun-19	3,758,558	7,196	522	533.94
Sep-19	3,888,281	7,506	518	529.01
Dec-19	4,253,086	7,390	576	524.13
Mar-20	4,250,991	7,326	580	519.30
Jun-20	4,136,084	6,876	602	514.50

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	13.1%	6.9%
9-points	2.4%	-2.6%
12-points	-3.6%	-6.7%
15-points	-5.4%	-5.2%
24-points	1.0%	0.8%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM COSTS

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)
\$500 DEDUCTIBLE COMPREHENSIVE				
Sep-14	\$5,777,728	6,395	\$903	\$1,771.20
Dec-14	5,851,456	6,514	898	1,716.08
Mar-15	5,951,504	6,148	968	1,662.67
Jun-15	6,077,994	5,129	1,185	1,610.92
Sep-15	6,263,417	5,297	1,182	1,560.78
Dec-15	6,647,808	5,297	1,255	1,512.21
Mar-16	6,749,404	5,434	1,242	1,465.14
Jun-16	6,864,017	5,438	1,262	1,419.54
Sep-16	7,099,346	5,413	1,312	1,375.36
Dec-16	7,118,870	5,285	1,347	1,332.55
Mar-17	7,786,415	5,245	1,485	1,291.08
Jun-17	8,074,915	5,283	1,528	1,250.90
Sep-17	7,751,524	5,224	1,484	1,211.97
Dec-17	7,762,782	5,342	1,453	1,174.25
Mar-18	7,369,119	5,233	1,408	1,137.70
Jun-18	7,004,300	5,224	1,341	1,102.29
Sep-18	7,160,981	5,469	1,309	1,067.98
Dec-18	7,023,100	5,718	1,228	1,034.75
Mar-19	7,273,724	6,164	1,180	1,002.54
Jun-19	7,313,603	6,666	1,097	971.34
Sep-19	7,638,634	7,127	1,072	941.11
Dec-19	8,067,218	7,391	1,091	911.82
Mar-20	7,961,607	7,576	1,051	883.44
Jun-20	8,372,682	7,183	1,166	855.94

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	-1.9%	-11.2%
9-points	-9.8%	-14.2%
12-points	-11.9%	-13.9%
15-points	-10.0%	-9.3%
24-points	1.5%	1.9%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM COSTS

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)

\$1,000 DEDUCTIBLE COMPREHENSIVE

Sep-14	\$615,159	683	\$901	\$1,498.22
Dec-14	528,864	692	764	1,498.87
Mar-15	639,353	654	978	1,499.53
Jun-15	602,423	510	1,181	1,500.19
Sep-15	523,395	504	1,038	1,500.84
Dec-15	723,043	505	1,432	1,501.50
Mar-16	654,741	543	1,206	1,502.16
Jun-16	681,611	546	1,248	1,502.81
Sep-16	833,112	574	1,451	1,503.47
Dec-16	784,648	576	1,362	1,504.13
Mar-17	979,733	541	1,811	1,504.79
Jun-17	997,853	567	1,760	1,505.44
Sep-17	987,326	585	1,688	1,506.10
Dec-17	1,077,282	629	1,713	1,506.76
Mar-18	903,816	665	1,359	1,507.42
Jun-18	936,914	672	1,394	1,508.08
Sep-18	955,516	690	1,385	1,508.74
Dec-18	913,359	709	1,288	1,509.40
Mar-19	1,237,618	762	1,624	1,510.06
Jun-19	1,292,547	869	1,487	1,510.72
Sep-19	1,407,116	923	1,525	1,511.38
Dec-19	1,545,853	962	1,607	1,512.04
Mar-20	1,413,198	979	1,444	1,512.70
Jun-20	1,493,443	918	1,627	1,513.37

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	-0.3%	6.7%
9-points	7.8%	6.9%
12-points	0.2%	-3.6%
15-points	-1.6%	-1.8%
24-points	8.9%	9.2%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM COSTS

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)

ALL DEDUCTIBLE COMPREHENSIVE

Sep-14	\$26,841,546	53,001	\$506	\$616.00
Dec-14	26,867,178	53,781	500	615.64
Mar-15	26,974,700	52,758	511	615.28
Jun-15	26,749,840	49,740	538	614.92
Sep-15	27,373,606	50,406	543	614.57
Dec-15	28,204,516	50,078	563	614.21
Mar-16	28,620,998	51,609	555	613.85
Jun-16	28,625,331	50,682	565	613.50
Sep-16	29,108,184	49,938	583	613.14
Dec-16	29,193,804	49,107	594	612.79
Mar-17	29,722,015	47,244	629	612.43
Jun-17	29,817,048	46,327	644	612.07
Sep-17	28,736,566	45,129	637	611.72
Dec-17	28,705,532	45,640	629	611.36
Mar-18	28,231,610	45,010	627	611.01
Jun-18	28,032,364	46,181	607	610.65
Sep-18	28,497,685	47,604	599	610.30
Dec-18	28,893,524	49,132	588	609.95
Mar-19	29,746,645	50,323	591	609.59
Jun-19	30,018,122	51,024	588	609.24
Sep-19	31,115,527	52,308	595	608.88
Dec-19	31,981,915	51,957	616	608.53
Mar-20	31,661,172	51,682	613	608.18
Jun-20	31,384,859	47,784	657	607.82

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	8.2%	4.0%
9-points	3.3%	-0.4%
12-points	-0.2%	-2.3%
15-points	-0.4%	-0.7%
24-points	3.4%	3.3%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM FREQUENCY

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1)	(2)	(3)	(4)
<u>YEAR ENDED</u>	<u>EARNED EXPOSURES</u>	<u>PAID CLAIMS</u>	PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
FULL COVERAGE COMPREHENSIVE			
Sep-14	429,030	21,048	4.9060
Dec-14	427,286	21,359	4.9988
Mar-15	425,741	21,135	4.9643
Jun-15	424,112	20,392	4.8082
Sep-15	422,576	20,559	4.8652
Dec-15	421,663	20,341	4.8240
Mar-16	420,851	21,040	4.9994
Jun-16	417,664	20,549	4.9200
Sep-16	410,304	19,944	4.8608
Dec-16	400,677	19,602	4.8922
Mar-17	391,961	18,611	4.7482
Jun-17	386,912	18,044	4.6636
Sep-17	387,093	17,510	4.5235
Dec-17	389,877	17,760	4.5553
Mar-18	391,864	17,633	4.4998
Jun-18	392,854	18,165	4.6239
Sep-18	392,736	18,728	4.7686
Dec-18	391,495	19,001	4.8534
Mar-19	389,182	19,122	4.9134
Jun-19	387,114	19,034	4.9169
Sep-19	385,984	19,228	4.9816
Dec-19	385,093	18,933	4.9165
Mar-20	385,171	18,672	4.8477
Jun-20	384,887	16,957	4.4057

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH <u>2Q20</u>	<u>1Q20</u>
6-points	-6.6%	0.1%
9-points	-0.7%	4.0%
12-points	1.9%	3.5%
15-points	0.7%	1.3%
24-points	-0.7%	-0.4%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM FREQUENCY

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1)	(2)	(3)	(4)
<u>YEAR ENDED</u>	<u>EARNED EXPOSURES</u>	<u>PAID CLAIMS</u>	PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$50 DEDUCTIBLE COMPREHENSIVE			
Sep-14	51,898	2,453	4.7266
Dec-14	51,347	2,486	4.8416
Mar-15	50,697	2,463	4.8583
Jun-15	49,773	2,402	4.8259
Sep-15	48,651	2,424	4.9824
Dec-15	47,516	2,379	5.0067
Mar-16	46,543	2,377	5.1071
Jun-16	45,847	2,283	4.9796
Sep-16	45,295	2,233	4.9299
Dec-16	44,784	2,219	4.9549
Mar-17	44,314	2,135	4.8179
Jun-17	43,889	2,068	4.7119
Sep-17	43,492	2,034	4.6767
Dec-17	43,077	2,050	4.7589
Mar-18	42,652	2,014	4.7219
Jun-18	42,236	2,199	5.2065
Sep-18	41,833	2,215	5.2949
Dec-18	41,450	2,244	5.4138
Mar-19	41,063	2,263	5.5110
Jun-19	40,658	2,157	5.3052
Sep-19	40,250	2,155	5.3540
Dec-19	39,851	2,121	5.3223
Mar-20	39,450	2,122	5.3790
Jun-20	38,947	1,916	4.9195

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH <u>2Q20</u>	<u>1Q20</u>
6-points	-5.9%	-1.4%
9-points	-1.6%	4.0%
12-points	3.8%	6.1%
15-points	3.5%	4.2%
24-points	1.8%	2.1%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM FREQUENCY

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1)	(2)	(3)	(4)
<u>YEAR ENDED</u>	<u>EARNED EXPOSURES</u>	<u>PAID CLAIMS</u>	PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$100 DEDUCTIBLE COMPREHENSIVE			
Sep-14	373,071	15,750	4.2217
Dec-14	372,735	15,965	4.2832
Mar-15	373,434	15,735	4.2136
Jun-15	375,259	15,125	4.0305
Sep-15	377,090	15,440	4.0945
Dec-15	378,589	15,360	4.0572
Mar-16	378,997	15,862	4.1853
Jun-16	376,324	15,522	4.1246
Sep-16	370,147	15,384	4.1562
Dec-16	363,922	15,141	4.1605
Mar-17	360,306	14,554	4.0393
Jun-17	360,494	14,293	3.9648
Sep-17	365,812	13,842	3.7839
Dec-17	372,462	13,830	3.7131
Mar-18	377,070	13,665	3.6240
Jun-18	380,051	13,965	3.6745
Sep-18	381,233	14,305	3.7523
Dec-18	380,759	14,858	3.9022
Mar-19	378,441	14,998	3.9631
Jun-19	376,653	15,102	4.0095
Sep-19	376,715	15,369	4.0797
Dec-19	377,459	15,160	4.0163
Mar-20	379,398	15,007	3.9555
Jun-20	380,275	13,934	3.6642

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH <u>2Q20</u>	<u>1Q20</u>
6-points	-5.0%	1.4%
9-points	1.6%	5.6%
12-points	2.4%	2.8%
15-points	-0.3%	-0.3%
24-points	-1.7%	-1.5%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM FREQUENCY

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1)	(2)	(3)	(4)
<u>YEAR ENDED</u>	<u>EARNED EXPOSURES</u>	<u>PAID CLAIMS</u>	PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$250 DEDUCTIBLE COMPREHENSIVE			
Sep-14	223,973	6,672	2.9789
Dec-14	225,089	6,765	3.0055
Mar-15	226,374	6,623	2.9257
Jun-15	227,893	6,182	2.7127
Sep-15	229,458	6,182	2.6942
Dec-15	230,762	6,196	2.6850
Mar-16	231,536	6,353	2.7438
Jun-16	231,327	6,344	2.7424
Sep-16	229,770	6,390	2.7810
Dec-16	228,288	6,284	2.7527
Mar-17	228,103	6,158	2.6997
Jun-17	229,256	6,072	2.6486
Sep-17	232,657	5,934	2.5505
Dec-17	236,931	6,029	2.5446
Mar-18	240,162	5,800	2.4150
Jun-18	242,599	5,956	2.4551
Sep-18	243,732	6,197	2.5425
Dec-18	243,899	6,602	2.7069
Mar-19	243,435	7,014	2.8813
Jun-19	243,625	7,196	2.9537
Sep-19	245,201	7,506	3.0612
Dec-19	246,999	7,390	2.9919
Mar-20	249,139	7,326	2.9405
Jun-20	250,419	6,876	2.7458

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH <u>2Q20</u>	<u>1Q20</u>
6-points	-3.1%	6.6%
9-points	7.9%	13.0%
12-points	7.6%	7.9%
15-points	4.0%	3.6%
24-points	0.0%	0.0%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM FREQUENCY

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1)	(2)	(3)	(4)
<u>YEAR ENDED</u>	<u>EARNED EXPOSURES</u>	<u>PAID CLAIMS</u>	PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$500 DEDUCTIBLE COMPREHENSIVE			
Sep-14	445,930	6,395	1.4341
Dec-14	453,821	6,514	1.4354
Mar-15	462,305	6,148	1.3299
Jun-15	471,849	5,129	1.0870
Sep-15	481,871	5,297	1.0993
Dec-15	491,918	5,297	1.0768
Mar-16	501,234	5,434	1.0841
Jun-16	508,355	5,438	1.0697
Sep-16	512,851	5,413	1.0555
Dec-16	517,272	5,285	1.0217
Mar-17	523,616	5,245	1.0017
Jun-17	532,577	5,283	0.9920
Sep-17	545,585	5,224	0.9575
Dec-17	559,974	5,342	0.9540
Mar-18	572,264	5,233	0.9144
Jun-18	583,190	5,224	0.8958
Sep-18	591,946	5,469	0.9239
Dec-18	598,894	5,718	0.9548
Mar-19	604,384	6,164	1.0199
Jun-19	611,100	6,666	1.0908
Sep-19	620,389	7,127	1.1488
Dec-19	630,101	7,391	1.1730
Mar-20	640,672	7,576	1.1825
Jun-20	649,185	7,183	1.1065

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH <u>2Q20</u>	<u>1Q20</u>
6-points	8.0%	19.3%
9-points	15.1%	17.4%
12-points	10.4%	9.3%
15-points	5.6%	4.2%
24-points	-2.9%	-3.4%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM FREQUENCY

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1)	(2)	(3)	(4)
<u>YEAR ENDED</u>	<u>EARNED EXPOSURES</u>	<u>PAID CLAIMS</u>	PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$1,000 DEDUCTIBLE COMPREHENSIVE			
Sep-14	64,642	683	1.0566
Dec-14	66,238	692	1.0447
Mar-15	67,977	654	0.9621
Jun-15	69,673	510	0.7320
Sep-15	71,111	504	0.7088
Dec-15	72,416	505	0.6974
Mar-16	73,610	543	0.7377
Jun-16	74,833	546	0.7296
Sep-16	76,352	574	0.7518
Dec-16	78,292	576	0.7357
Mar-17	80,592	541	0.6713
Jun-17	83,484	567	0.6792
Sep-17	87,031	585	0.6722
Dec-17	90,827	629	0.6925
Mar-18	94,529	665	0.7035
Jun-18	98,004	672	0.6857
Sep-18	101,278	690	0.6813
Dec-18	104,401	709	0.6791
Mar-19	107,405	762	0.7095
Jun-19	110,684	869	0.7851
Sep-19	114,076	923	0.8091
Dec-19	117,510	962	0.8187
Mar-20	120,995	979	0.8091
Jun-20	124,167	918	0.7393

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH <u>2Q20</u>	<u>1Q20</u>
6-points	3.6%	16.5%
9-points	9.2%	11.1%
12-points	7.0%	7.9%
15-points	4.7%	4.0%
24-points	-2.7%	-2.9%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COMPREHENSIVE CLAIM FREQUENCY

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

(1)	(2)	(3)	(4)
<u>YEAR ENDED</u>	<u>EARNED EXPOSURES</u>	<u>PAID CLAIMS</u>	PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
ALL DEDUCTIBLE COMPREHENSIVE			
Sep-14	1,588,544	53,001	3.3365
Dec-14	1,596,516	53,781	3.3686
Mar-15	1,606,528	52,758	3.2840
Jun-15	1,618,559	49,740	3.0731
Sep-15	1,630,757	50,406	3.0910
Dec-15	1,642,864	50,078	3.0482
Mar-16	1,652,771	51,609	3.1226
Jun-16	1,654,350	50,682	3.0636
Sep-16	1,644,719	49,938	3.0363
Dec-16	1,633,235	49,107	3.0067
Mar-17	1,628,892	47,244	2.9004
Jun-17	1,636,612	46,327	2.8307
Sep-17	1,661,670	45,129	2.7159
Dec-17	1,693,148	45,640	2.6956
Mar-18	1,718,541	45,010	2.6191
Jun-18	1,738,934	46,181	2.6557
Sep-18	1,752,758	47,604	2.7159
Dec-18	1,760,898	49,132	2.7902
Mar-19	1,763,910	50,323	2.8529
Jun-19	1,769,834	51,024	2.8830
Sep-19	1,782,615	52,308	2.9343
Dec-19	1,797,013	51,957	2.8913
Mar-20	1,814,825	51,682	2.8478
Jun-20	1,827,880	47,784	2.6142

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH <u>2Q20</u>	<u>1Q20</u>
6-points	-5.4%	1.8%
9-points	1.2%	5.3%
12-points	2.1%	2.8%
15-points	-0.4%	-0.4%
24-points	-3.2%	-3.1%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
TREND SUMMARY
DATA ENDED JUNE 2020

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

FULL COVERAGE COMPREHENSIVE

STRAIGHT LINE

COST	END POINT	MID POINT	EXPONENTIAL
15 points	3.3%	3.5%	3.5%
12 points	3.6%	3.8%	3.9%
9 points	4.8%	5.1%	5.2%
6 points	5.9%	6.1%	6.3%

STRAIGHT LINE

FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	-0.7%	-0.7%	-0.7%
15 points	0.7%	0.7%	0.7%
12 points	1.9%	1.9%	1.9%
9 points	-0.6%	-0.6%	-0.7%
6 points	-6.9%	-6.7%	-6.6%

\$50 DEDUCTIBLE COMPREHENSIVE

STRAIGHT LINE

COST	END POINT	MID POINT	EXPONENTIAL
15 points	0.5%	0.5%	0.5%
12 points	0.6%	0.7%	0.6%
9 points	6.8%	7.4%	7.5%
6 points	7.9%	8.3%	8.6%

STRAIGHT LINE

FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	1.7%	1.8%	1.8%
15 points	3.3%	3.5%	3.5%
12 points	3.4%	3.6%	3.8%
9 points	-1.6%	-1.6%	-1.6%
6 points	-6.2%	-6.0%	-5.9%

\$100 DEDUCTIBLE COMPREHENSIVE

STRAIGHT LINE

COST	END POINT	MID POINT	EXPONENTIAL
15 points	0.5%	0.5%	0.5%
12 points	0.7%	0.7%	0.7%
9 points	2.2%	2.3%	2.2%
6 points	7.2%	7.5%	7.7%

STRAIGHT LINE

FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	-1.8%	-1.7%	-1.7%
15 points	-0.3%	-0.3%	-0.3%
12 points	2.3%	2.4%	2.4%
9 points	1.5%	1.6%	1.6%
6 points	-5.1%	-5.0%	-5.0%

NORTH CAROLINA
TREND SUMMARY
DATA ENDED JUNE 2020

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

\$250 DEDUCTIBLE COMPREHENSIVE

STRAIGHT LINE			
COST	END POINT	MID POINT	EXPONENTIAL
15 points	-6.3%	-5.6%	-5.4%
12 points	-4.1%	-3.8%	-3.6%
9 points	2.4%	2.5%	2.4%
6 points	11.5%	12.4%	13.1%

STRAIGHT LINE			
FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	0.0%	0.0%	0.0%
15 points	3.7%	4.0%	4.0%
12 points	6.6%	7.3%	7.6%
9 points	6.9%	7.4%	7.9%
6 points	-3.1%	-3.1%	-3.1%

\$500 DEDUCTIBLE COMPREHENSIVE

STRAIGHT LINE			
COST	END POINT	MID POINT	EXPONENTIAL
15 points	-12.7%	-10.3%	-10.0%
12 points	-15.6%	-12.8%	-11.9%
9 points	-11.8%	-10.4%	-9.8%
6 points	-2.0%	-1.9%	-1.9%

STRAIGHT LINE			
FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	-3.6%	-3.2%	-2.9%
15 points	5.1%	5.7%	5.6%
12 points	8.8%	10.0%	10.4%
9 points	12.1%	14.0%	15.1%
6 points	7.1%	7.5%	8.0%

\$1,000 DEDUCTIBLE COMPREHENSIVE

STRAIGHT LINE			
COST	END POINT	MID POINT	EXPONENTIAL
15 points	-1.9%	-1.9%	-1.6%
12 points	-0.1%	-0.1%	0.2%
9 points	6.9%	7.5%	7.8%
6 points	-0.2%	-0.2%	-0.3%

STRAIGHT LINE			
FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	-3.5%	-3.2%	-2.7%
15 points	4.3%	4.7%	4.7%
12 points	6.2%	6.8%	7.0%
9 points	8.0%	8.8%	9.2%
6 points	3.3%	3.4%	3.6%

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NORTH CAROLINA
CORRELATION COEFFICIENTS
DATA ENDED JUNE 2020

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

FULL COVERAGE COMPREHENSIVE

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.95	0.95
12 points	0.93	0.93
9 points	0.95	0.96
6 points	0.95	0.95

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	-0.33	-0.33
15 points	0.21	0.20
12 points	0.41	0.40
9 points	-0.11	-0.12
6 points	-0.71	-0.71

\$50 DEDUCTIBLE COMPREHENSIVE

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.11	0.11
12 points	0.10	0.10
9 points	0.85	0.85
6 points	0.77	0.77

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	0.61	0.61
15 points	0.65	0.65
12 points	0.56	0.57
9 points	-0.34	-0.35
6 points	-0.74	-0.74

\$100 DEDUCTIBLE COMPREHENSIVE

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.22	0.21
12 points	0.22	0.22
9 points	0.49	0.48
6 points	0.88	0.89

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	-0.62	-0.61
15 points	-0.07	-0.07
12 points	0.51	0.51
9 points	0.27	0.26
6 points	-0.63	-0.63

NORTH CAROLINA
CORRELATION COEFFICIENTS
DATA ENDED JUNE 2020

ISO ONLY, EXCLUDING WIND AND WATER AND "ALL OTHER"

\$250 DEDUCTIBLE COMPREHENSIVE

COST	STRAIGHT LINE	EXPONENTIAL
15 points	-0.70	-0.69
12 points	-0.46	-0.45
9 points	0.31	0.30
6 points	0.90	0.89

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	0.00	-0.01
15 points	0.59	0.58
12 points	0.78	0.79
9 points	0.68	0.69
6 points	-0.39	-0.40

\$500 DEDUCTIBLE COMPREHENSIVE

COST	STRAIGHT LINE	EXPONENTIAL
15 points	-0.89	-0.89
12 points	-0.92	-0.92
9 points	-0.81	-0.81
6 points	-0.19	-0.20

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	-0.42	-0.41
15 points	0.67	0.66
12 points	0.86	0.86
9 points	0.91	0.91
6 points	0.64	0.65

\$1,000 DEDUCTIBLE COMPREHENSIVE

COST	STRAIGHT LINE	EXPONENTIAL
15 points	-0.20	-0.17
12 points	-0.01	0.02
9 points	0.63	0.63
6 points	-0.02	-0.03

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	-0.39	-0.36
15 points	0.69	0.70
12 points	0.78	0.79
9 points	0.75	0.75
6 points	0.28	0.28

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM COSTS

ALL CARRIERS

(1)	(2)	(3)	AVERAGE PAID CLAIM COST	
YEAR ENDED	PAID LOSSES	PAID CLAIMS	ACTUAL (2)/(3)	EXPONENTIAL CURVE OF BEST FIT (A)

\$50 DEDUCTIBLE COLLISION

Sep-14	\$8,970,771	3,587	2,501	\$2,658.07
Dec-14	9,136,951	3,662	2,495	2,674.08
Mar-15	9,312,188	3,650	2,551	2,690.18
Jun-15	9,374,820	3,577	2,621	2,706.39
Sep-15	9,437,081	3,603	2,619	2,722.68
Dec-15	9,594,937	3,635	2,640	2,739.08
Mar-16	9,741,957	3,715	2,622	2,755.58
Jun-16	9,722,710	3,799	2,559	2,772.17
Sep-16	10,104,921	3,970	2,545	2,788.87
Dec-16	10,758,075	4,068	2,645	2,805.66
Mar-17	10,695,354	4,080	2,621	2,822.56
Jun-17	11,176,973	4,171	2,680	2,839.56
Sep-17	11,209,346	4,174	2,686	2,856.66
Dec-17	11,817,802	4,242	2,786	2,873.86
Mar-18	12,150,447	4,314	2,817	2,891.17
Jun-18	12,096,185	4,279	2,827	2,908.58
Sep-18	12,201,750	4,281	2,850	2,926.10
Dec-18	11,773,746	4,333	2,717	2,943.72
Mar-19	12,667,899	4,380	2,892	2,961.44
Jun-19	12,804,692	4,342	2,949	2,979.28
Sep-19	13,035,265	4,409	2,957	2,997.22
Dec-19	13,110,821	4,392	2,985	3,015.27
Mar-20	12,361,638	4,252	2,907	3,033.43
Jun-20	11,509,103	4,080	2,821	3,051.70

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	-1.8%	5.1%
9-points	1.8%	3.0%
12-points	2.4%	3.6%
15-points	3.2%	4.1%
24-points	2.9%	3.1%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM COSTS

ALL CARRIERS

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)
\$100 DEDUCTIBLE COLLISION				
Sep-14	\$36,686,817	14,473	2,535	\$2,605.06
Dec-14	37,107,992	14,531	2,554	2,630.60
Mar-15	36,367,077	14,127	2,574	2,656.40
Jun-15	36,612,267	14,065	2,603	2,682.44
Sep-15	36,916,928	14,050	2,628	2,708.75
Dec-15	37,812,146	14,078	2,686	2,735.31
Mar-16	38,852,988	14,191	2,738	2,762.13
Jun-16	39,058,240	14,061	2,778	2,789.22
Sep-16	39,394,471	13,974	2,819	2,816.57
Dec-16	39,708,549	13,786	2,880	2,844.19
Mar-17	38,462,943	13,656	2,817	2,872.08
Jun-17	38,401,211	13,622	2,819	2,900.24
Sep-17	37,744,664	13,499	2,796	2,928.68
Dec-17	36,545,194	13,272	2,754	2,957.40
Mar-18	36,943,441	13,090	2,822	2,986.39
Jun-18	36,362,927	12,953	2,807	3,015.68
Sep-18	35,893,878	12,676	2,832	3,045.25
Dec-18	37,068,786	12,813	2,893	3,075.11
Mar-19	37,842,188	12,814	2,953	3,105.26
Jun-19	37,965,269	12,671	2,996	3,135.71
Sep-19	38,611,028	12,665	3,049	3,166.46
Dec-19	38,408,277	12,465	3,081	3,197.51
Mar-20	38,062,990	12,549	3,033	3,228.87
Jun-20	34,796,976	11,672	2,981	3,260.53

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	1.1%	4.5%
9-points	4.1%	5.1%
12-points	4.0%	4.1%
15-points	2.7%	2.6%
24-points	3.0%	3.2%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM COSTS

ALL CARRIERS

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)

\$200 DEDUCTIBLE COLLISION

Sep-14	\$6,069,680	2,229	2,723	\$2,788.10
Dec-14	6,036,138	2,169	2,783	2,814.66
Mar-15	5,941,278	2,152	2,761	2,841.46
Jun-15	6,196,512	2,148	2,885	2,868.52
Sep-15	5,875,595	2,086	2,817	2,895.84
Dec-15	5,837,653	2,080	2,807	2,923.42
Mar-16	6,006,768	2,066	2,907	2,951.26
Jun-16	5,856,257	2,054	2,851	2,979.37
Sep-16	6,275,845	2,084	3,011	3,007.74
Dec-16	6,400,530	2,119	3,021	3,036.38
Mar-17	6,253,468	2,092	2,989	3,065.30
Jun-17	6,371,697	2,101	3,033	3,094.49
Sep-17	6,188,155	2,084	2,969	3,123.96
Dec-17	6,361,445	2,097	3,034	3,153.71
Mar-18	6,282,552	2,084	3,015	3,183.75
Jun-18	6,124,144	2,091	2,929	3,214.07
Sep-18	6,335,809	2,105	3,010	3,244.68
Dec-18	6,486,464	2,130	3,045	3,275.58
Mar-19	6,899,668	2,158	3,197	3,306.77
Jun-19	6,860,232	2,129	3,222	3,338.27
Sep-19	6,825,743	2,148	3,178	3,370.06
Dec-19	6,968,572	2,117	3,292	3,402.15
Mar-20	6,715,038	2,071	3,242	3,434.55
Jun-20	5,888,263	1,838	3,204	3,467.26

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	0.7%	4.5%
9-points	5.0%	5.5%
12-points	3.9%	3.7%
15-points	2.8%	2.6%
24-points	2.9%	3.0%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM COSTS

ALL CARRIERS

(1)	(2)	(3)	AVERAGE PAID CLAIM COST	
YEAR ENDED	PAID LOSSES	PAID CLAIMS	ACTUAL (2)/(3)	EXPONENTIAL CURVE OF BEST FIT (A)

\$250 DEDUCTIBLE COLLISION

Sep-14	\$224,442,792	81,028	2,770	\$2,870.76
Dec-14	226,885,118	81,730	2,776	2,899.09
Mar-15	223,952,177	80,321	2,788	2,927.70
Jun-15	227,585,030	80,298	2,834	2,956.59
Sep-15	231,417,011	81,461	2,841	2,985.77
Dec-15	239,236,182	82,712	2,892	3,015.24
Mar-16	249,306,277	84,121	2,964	3,044.99
Jun-16	254,291,099	85,216	2,984	3,075.04
Sep-16	262,311,564	85,442	3,070	3,105.39
Dec-16	261,151,220	83,815	3,116	3,136.03
Mar-17	254,678,870	81,912	3,109	3,166.98
Jun-17	251,993,858	80,960	3,113	3,198.24
Sep-17	241,296,256	78,320	3,081	3,229.80
Dec-17	238,329,210	77,531	3,074	3,261.67
Mar-18	238,126,207	77,352	3,078	3,293.86
Jun-18	235,015,176	75,935	3,095	3,326.37
Sep-18	235,951,254	75,192	3,138	3,359.20
Dec-18	239,777,084	75,306	3,184	3,392.35
Mar-19	242,521,982	74,502	3,255	3,425.83
Jun-19	243,452,331	73,254	3,323	3,459.63
Sep-19	244,257,084	73,356	3,330	3,493.78
Dec-19	240,927,665	72,372	3,329	3,528.26
Mar-20	239,357,863	71,064	3,368	3,563.07
Jun-20	218,036,518	65,348	3,337	3,598.24

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	1.9%	4.1%
9-points	4.3%	5.1%
12-points	4.0%	3.8%
15-points	2.9%	2.8%
24-points	3.5%	3.5%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM COSTS

ALL CARRIERS

(1)	(2)	(3)	AVERAGE PAID CLAIM COST	
YEAR ENDED	PAID LOSSES	PAID CLAIMS	ACTUAL (2)/(3)	EXPONENTIAL CURVE OF BEST FIT (A)

\$500 DEDUCTIBLE COLLISION

Sep-14	\$419,585,789	126,843	3,308	\$3,298.44
Dec-14	434,586,889	130,710	3,325	3,333.26
Mar-15	442,769,701	131,882	3,357	3,368.45
Jun-15	453,412,545	133,760	3,390	3,404.02
Sep-15	467,518,256	138,369	3,379	3,439.95
Dec-15	487,513,873	142,596	3,419	3,476.27
Mar-16	505,103,963	145,241	3,478	3,512.97
Jun-16	525,083,383	151,150	3,474	3,550.06
Sep-16	548,354,307	154,048	3,560	3,587.54
Dec-16	567,345,927	156,384	3,628	3,625.41
Mar-17	576,135,836	159,061	3,622	3,663.69
Jun-17	586,262,521	163,117	3,594	3,702.37
Sep-17	583,773,162	164,403	3,551	3,741.46
Dec-17	585,758,902	165,808	3,533	3,780.96
Mar-18	600,330,133	168,899	3,554	3,820.87
Jun-18	605,074,802	168,037	3,601	3,861.21
Sep-18	614,920,726	168,835	3,642	3,901.98
Dec-18	637,652,496	172,358	3,700	3,943.17
Mar-19	659,612,154	174,498	3,780	3,984.80
Jun-19	676,693,919	176,631	3,831	4,026.87
Sep-19	693,924,351	181,197	3,830	4,069.38
Dec-19	704,009,131	182,274	3,862	4,112.35
Mar-20	709,590,091	181,444	3,911	4,155.76
Jun-20	653,384,824	167,634	3,898	4,199.64

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	2.6%	4.0%
9-points	4.3%	5.0%
12-points	4.3%	4.0%
15-points	2.9%	2.7%
24-points	2.8%	2.8%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM COSTS

ALL CARRIERS

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)
\$1,000 DEDUCTIBLE COLLISION				
Sep-14	\$41,502,369	9,512	4,363	\$4,339.31
Dec-14	44,071,162	10,122	4,354	4,364.88
Mar-15	45,321,331	10,379	4,367	4,390.61
Jun-15	47,857,155	10,709	4,469	4,416.50
Sep-15	49,215,588	11,079	4,442	4,442.53
Dec-15	51,708,288	11,484	4,503	4,468.72
Mar-16	54,786,902	11,987	4,571	4,495.06
Jun-16	56,211,355	12,479	4,504	4,521.55
Sep-16	59,908,234	12,999	4,609	4,548.21
Dec-16	65,061,106	13,575	4,793	4,575.02
Mar-17	68,395,240	14,185	4,822	4,601.99
Jun-17	70,940,285	15,087	4,702	4,629.11
Sep-17	72,416,128	15,617	4,637	4,656.40
Dec-17	73,062,154	16,275	4,489	4,683.85
Mar-18	75,803,146	17,134	4,424	4,711.46
Jun-18	79,870,108	17,581	4,543	4,739.23
Sep-18	82,925,722	18,378	4,512	4,767.17
Dec-18	89,286,989	19,317	4,622	4,795.27
Mar-19	96,719,967	20,260	4,774	4,823.53
Jun-19	101,680,969	21,320	4,769	4,851.97
Sep-19	105,100,460	22,318	4,709	4,880.57
Dec-19	108,544,749	23,110	4,697	4,909.34
Mar-20	112,457,021	23,453	4,795	4,938.28
Jun-20	104,864,598	22,026	4,761	4,967.39

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	0.0%	1.4%
9-points	2.6%	3.7%
12-points	2.4%	1.7%
15-points	0.5%	0.4%
24-points	1.3%	1.3%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM COSTS

ALL CARRIERS

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)
ALL DEDUCTIBLE COLLISION				
Sep-14	\$737,258,218	237,672	\$3,102	\$3,165.73
Dec-14	757,824,250	242,924	3,120	3,201.27
Mar-15	763,663,752	242,511	3,149	3,237.21
Jun-15	781,038,329	244,557	3,194	3,273.55
Sep-15	800,380,459	250,648	3,193	3,310.31
Dec-15	831,703,079	256,585	3,241	3,347.47
Mar-16	863,798,855	261,321	3,306	3,385.05
Jun-16	890,223,044	268,759	3,312	3,423.06
Sep-16	926,349,342	272,517	3,399	3,461.49
Dec-16	950,425,407	273,747	3,472	3,500.35
Mar-17	954,621,711	274,986	3,472	3,539.65
Jun-17	965,146,545	279,058	3,459	3,579.39
Sep-17	952,627,711	278,097	3,426	3,619.58
Dec-17	951,874,707	279,225	3,409	3,660.21
Mar-18	969,635,926	282,873	3,428	3,701.31
Jun-18	974,543,342	280,876	3,470	3,742.86
Sep-18	988,229,139	281,467	3,511	3,784.88
Dec-18	1,022,045,565	286,257	3,570	3,827.38
Mar-19	1,056,263,858	288,612	3,660	3,870.35
Jun-19	1,079,457,412	290,347	3,718	3,913.80
Sep-19	1,101,753,931	296,093	3,721	3,957.74
Dec-19	1,111,969,215	296,730	3,747	4,002.17
Mar-20	1,118,544,641	294,833	3,794	4,047.11
Jun-20	1,028,480,282	272,598	3,773	4,092.54

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	THROUGH	
	<u>2Q20</u>	<u>1Q20</u>
6-points	2.5%	4.4%
9-points	4.6%	5.4%
12-points	4.6%	4.3%
15-points	3.3%	3.2%
24-points	3.5%	3.5%

(A) USING THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM FREQUENCY

ALL CARRIERS

(1) YEAR ENDED	(2) EARNED EXPOSURES	(3) PAID CLAIMS	(4) PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$50 DEDUCTIBLE COLLISION			
Sep-14	35,636	3,587	10.0657
Dec-14	36,367	3,662	10.0696
Mar-15	37,014	3,650	9.8611
Jun-15	37,464	3,577	9.5478
Sep-15	37,814	3,603	9.5282
Dec-15	38,075	3,635	9.5469
Mar-16	38,390	3,715	9.6770
Jun-16	38,916	3,799	9.7621
Sep-16	39,417	3,970	10.0718
Dec-16	40,002	4,068	10.1695
Mar-17	40,633	4,080	10.0411
Jun-17	41,170	4,171	10.1312
Sep-17	41,652	4,174	10.0211
Dec-17	41,976	4,242	10.1058
Mar-18	42,111	4,314	10.2444
Jun-18	42,193	4,279	10.1415
Sep-18	42,300	4,281	10.1206
Dec-18	42,496	4,333	10.1963
Mar-19	42,919	4,380	10.2053
Jun-19	43,573	4,342	9.9649
Sep-19	44,033	4,409	10.0129
Dec-19	44,505	4,392	9.8686
Mar-20	44,875	4,252	9.4752
Jun-20	45,198	4,080	9.0269

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	<u>2Q20</u>	THROUGH	<u>1Q20</u>
6-points	-8.5%		-5.1%
9-points	-4.9%		-2.9%
12-points	-2.9%		-1.5%
15-points	-1.9%		-0.9%
24-points	-0.1%		0.4%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM FREQUENCY

ALL CARRIERS

(1) YEAR ENDED	(2) EARNED EXPOSURES	(3) PAID CLAIMS	(4) PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$100 DEDUCTIBLE COLLISION			
Sep-14	267,723	14,473	5.4060
Dec-14	265,427	14,531	5.4746
Mar-15	263,213	14,127	5.3671
Jun-15	260,687	14,065	5.3954
Sep-15	258,011	14,050	5.4455
Dec-15	254,618	14,078	5.5291
Mar-16	251,001	14,191	5.6538
Jun-16	247,751	14,061	5.6755
Sep-16	244,043	13,974	5.7260
Dec-16	241,285	13,786	5.7136
Mar-17	239,134	13,656	5.7106
Jun-17	237,097	13,622	5.7453
Sep-17	235,624	13,499	5.7290
Dec-17	234,134	13,272	5.6685
Mar-18	232,115	13,090	5.6394
Jun-18	229,664	12,953	5.6400
Sep-18	227,005	12,676	5.5840
Dec-18	224,049	12,813	5.7188
Mar-19	222,087	12,814	5.7698
Jun-19	220,451	12,671	5.7478
Sep-19	218,086	12,665	5.8073
Dec-19	215,709	12,465	5.7786
Mar-20	214,043	12,549	5.8628
Jun-20	212,612	11,672	5.4898

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	<u>2Q20</u>	THROUGH	<u>1Q20</u>
6-points	-2.2%		1.6%
9-points	0.4%		2.1%
12-points	0.3%		0.9%
15-points	0.1%		0.5%
24-points	1.0%		1.2%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM FREQUENCY

ALL CARRIERS

(1) YEAR ENDED	(2) EARNED EXPOSURES	(3) PAID CLAIMS	(4) PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$200 DEDUCTIBLE COLLISION			
Sep-14	42,438	2,229	5.2524
Dec-14	42,044	2,169	5.1589
Mar-15	41,564	2,152	5.1776
Jun-15	40,943	2,148	5.2463
Sep-15	40,276	2,086	5.1793
Dec-15	39,628	2,080	5.2488
Mar-16	39,068	2,066	5.2882
Jun-16	38,663	2,054	5.3126
Sep-16	38,390	2,084	5.4285
Dec-16	38,189	2,119	5.5487
Mar-17	38,056	2,092	5.4972
Jun-17	37,947	2,101	5.5367
Sep-17	37,769	2,084	5.5178
Dec-17	37,527	2,097	5.5880
Mar-18	37,226	2,084	5.5982
Jun-18	36,891	2,091	5.6680
Sep-18	36,574	2,105	5.7555
Dec-18	36,284	2,130	5.8704
Mar-19	36,024	2,158	5.9905
Jun-19	35,823	2,129	5.9431
Sep-19	35,578	2,148	6.0374
Dec-19	35,252	2,117	6.0053
Mar-20	35,057	2,071	5.9075
Jun-20	34,789	1,838	5.2833

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	<u>2Q20</u>	THROUGH	<u>1Q20</u>
6-points	-7.2%		0.6%
9-points	-1.0%		3.4%
12-points	1.3%		3.6%
15-points	1.7%		3.2%
24-points	2.5%		3.1%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM FREQUENCY

ALL CARRIERS

(1) YEAR ENDED	(2) EARNED EXPOSURES	(3) PAID CLAIMS	(4) PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$250 DEDUCTIBLE COLLISION			
Sep-14	1,597,197	81,028	5.0731
Dec-14	1,590,415	81,730	5.1389
Mar-15	1,583,369	80,321	5.0728
Jun-15	1,575,459	80,298	5.0968
Sep-15	1,573,794	81,461	5.1761
Dec-15	1,575,862	82,712	5.2487
Mar-16	1,581,190	84,121	5.3201
Jun-16	1,590,990	85,216	5.3562
Sep-16	1,591,620	85,442	5.3682
Dec-16	1,584,272	83,815	5.2904
Mar-17	1,567,027	81,912	5.2272
Jun-17	1,545,318	80,960	5.2391
Sep-17	1,525,069	78,320	5.1355
Dec-17	1,507,767	77,531	5.1421
Mar-18	1,494,330	77,352	5.1764
Jun-18	1,480,665	75,935	5.1284
Sep-18	1,466,906	75,192	5.1259
Dec-18	1,452,995	75,306	5.1828
Mar-19	1,441,172	74,502	5.1695
Jun-19	1,428,482	73,254	5.1281
Sep-19	1,419,083	73,356	5.1693
Dec-19	1,408,597	72,372	5.1379
Mar-20	1,404,487	71,064	5.0598
Jun-20	1,400,751	65,348	4.6652

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	<u>2Q20</u>	THROUGH	<u>1Q20</u>
6-points	-6.2%		-1.5%
9-points	-2.9%		-0.5%
12-points	-1.7%		-0.5%
15-points	-1.6%		-1.0%
24-points	-0.6%		-0.2%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM FREQUENCY

ALL CARRIERS

(1) YEAR ENDED	(2) EARNED EXPOSURES	(3) PAID CLAIMS	(4) PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$500 DEDUCTIBLE COLLISION			
Sep-14	2,612,799	126,843	4.8547
Dec-14	2,650,017	130,710	4.9324
Mar-15	2,687,261	131,882	4.9077
Jun-15	2,715,137	133,760	4.9265
Sep-15	2,744,435	138,369	5.0418
Dec-15	2,775,209	142,596	5.1382
Mar-16	2,801,210	145,241	5.1849
Jun-16	2,838,339	151,150	5.3253
Sep-16	2,873,589	154,048	5.3608
Dec-16	2,908,634	156,384	5.3765
Mar-17	2,950,034	159,061	5.3918
Jun-17	3,003,582	163,117	5.4307
Sep-17	3,057,774	164,403	5.3766
Dec-17	3,109,389	165,808	5.3325
Mar-18	3,154,297	168,899	5.3546
Jun-18	3,185,075	168,037	5.2758
Sep-18	3,213,307	168,835	5.2542
Dec-18	3,239,538	172,358	5.3205
Mar-19	3,270,990	174,498	5.3347
Jun-19	3,298,047	176,631	5.3556
Sep-19	3,335,814	181,197	5.4319
Dec-19	3,371,308	182,274	5.4066
Mar-20	3,417,844	181,444	5.3087
Jun-20	3,467,556	167,634	4.8344

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	<u>2Q20</u>	THROUGH	<u>1Q20</u>
6-points	-5.8%		0.5%
9-points	-1.8%		0.8%
12-points	-1.3%		0.0%
15-points	-1.1%		-0.1%
24-points	1.1%		1.6%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM FREQUENCY

ALL CARRIERS

(1) YEAR ENDED	(2) EARNED EXPOSURES	(3) PAID CLAIMS	(4) PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
\$1,000 DEDUCTIBLE COLLISION			
Sep-14	288,409	9,512	3.2981
Dec-14	295,277	10,122	3.4280
Mar-15	302,359	10,379	3.4327
Jun-15	308,960	10,709	3.4661
Sep-15	315,797	11,079	3.5083
Dec-15	322,595	11,484	3.5599
Mar-16	329,277	11,987	3.6404
Jun-16	337,207	12,479	3.7007
Sep-16	345,164	12,999	3.7660
Dec-16	353,800	13,575	3.8369
Mar-17	363,346	14,185	3.9040
Jun-17	374,329	15,087	4.0304
Sep-17	386,538	15,617	4.0402
Dec-17	399,656	16,275	4.0723
Mar-18	412,933	17,134	4.1493
Jun-18	425,723	17,581	4.1297
Sep-18	438,490	18,378	4.1912
Dec-18	450,897	19,317	4.2841
Mar-19	464,223	20,260	4.3643
Jun-19	478,073	21,320	4.4596
Sep-19	493,261	22,318	4.5246
Dec-19	508,511	23,110	4.5446
Mar-20	525,868	23,453	4.4599
Jun-20	543,120	22,026	4.0555

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	<u>2Q20</u>	THROUGH	<u>1Q20</u>
6-points	-4.1%		3.9%
9-points	1.8%		5.3%
12-points	3.1%		5.0%
15-points	3.9%		5.4%
24-points	5.4%		6.1%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN COLLISION CLAIM FREQUENCY

ALL CARRIERS

(1) <u>YEAR ENDED</u>	(2) <u>EARNED EXPOSURES</u>	(3) <u>PAID CLAIMS</u>	(4) PAID CLAIM FREQUENCY(A) <u>(2)/(3)</u>
ALL DEDUCTIBLE COLLISION			
Sep-14	4,844,202	237,672	4.9063
Dec-14	4,879,547	242,924	4.9784
Mar-15	4,914,780	242,511	4.9343
Jun-15	4,938,650	244,557	4.9519
Sep-15	4,970,127	250,648	5.0431
Dec-15	5,005,987	256,585	5.1256
Mar-16	5,040,136	261,321	5.1848
Jun-16	5,091,866	268,759	5.2782
Sep-16	5,132,223	272,517	5.3099
Dec-16	5,166,182	273,747	5.2988
Mar-17	5,198,230	274,986	5.2900
Jun-17	5,239,443	279,058	5.3261
Sep-17	5,284,426	278,097	5.2626
Dec-17	5,330,449	279,225	5.2383
Mar-18	5,373,012	282,873	5.2647
Jun-18	5,400,211	280,876	5.2012
Sep-18	5,424,582	281,467	5.1887
Dec-18	5,446,259	286,257	5.2560
Mar-19	5,477,415	288,612	5.2691
Jun-19	5,504,449	290,347	5.2748
Sep-19	5,545,855	296,093	5.3390
Dec-19	5,583,882	296,730	5.3140
Mar-20	5,642,174	294,833	5.2255
Jun-20	5,704,026	272,598	4.7790

(6) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	<u>2Q20</u>	THROUGH	<u>1Q20</u>
6-points	-5.8%		0.1%
9-points	-1.9%		0.6%
12-points	-1.2%		0.1%
15-points	-1.0%		-0.1%
24-points	0.7%		1.2%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
TREND SUMMARY
DATA ENDED JUNE 2020

ALL CARRIERS

\$50 DEDUCTIBLE COLLISION

STRAIGHT LINE

COST	END POINT	MID POINT	EXPONENTIAL
15 points	2.9%	3.1%	3.2%
12 points	2.3%	2.4%	2.4%
9 points	1.7%	1.7%	1.8%
6 points	-1.8%	-1.8%	-1.8%

STRAIGHT LINE

FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	-0.1%	-0.1%	-0.1%
15 points	-2.0%	-1.9%	-1.9%
12 points	-3.0%	-2.9%	-2.9%
9 points	-5.1%	-4.9%	-4.9%
6 points	-9.3%	-8.8%	-8.5%

\$100 DEDUCTIBLE COLLISION

STRAIGHT LINE

COST	END POINT	MID POINT	EXPONENTIAL
15 points	2.5%	2.7%	2.7%
12 points	3.7%	3.9%	4.0%
9 points	3.8%	4.0%	4.1%
6 points	1.1%	1.1%	1.1%

STRAIGHT LINE

FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	0.9%	1.0%	1.0%
15 points	0.1%	0.1%	0.1%
12 points	0.4%	0.4%	0.3%
9 points	0.5%	0.5%	0.4%
6 points	-2.2%	-2.2%	-2.2%

\$200 DEDUCTIBLE COLLISION

STRAIGHT LINE

COST	END POINT	MID POINT	EXPONENTIAL
15 points	2.6%	2.8%	2.8%
12 points	3.6%	3.8%	3.9%
9 points	4.6%	4.8%	5.0%
6 points	0.7%	0.7%	0.7%

STRAIGHT LINE

FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	2.3%	2.5%	2.5%
15 points	1.7%	1.8%	1.7%
12 points	1.4%	1.4%	1.3%
9 points	-0.9%	-0.9%	-1.0%
6 points	-7.5%	-7.2%	-7.2%

NORTH CAROLINA
TREND SUMMARY
DATA ENDED JUNE 2020

ALL CARRIERS

\$250 DEDUCTIBLE COLLISION

STRAIGHT LINE

COST	END POINT	MID POINT	EXPONENTIAL
15 points	2.7%	2.9%	2.9%
12 points	3.7%	3.9%	4.0%
9 points	4.0%	4.2%	4.3%
6 points	1.8%	1.9%	1.9%

STRAIGHT LINE

FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	-0.6%	-0.6%	-0.6%
15 points	-1.6%	-1.6%	-1.6%
12 points	-1.7%	-1.6%	-1.7%
9 points	-2.9%	-2.8%	-2.9%
6 points	-6.5%	-6.2%	-6.2%

\$500 DEDUCTIBLE COLLISION

STRAIGHT LINE

COST	END POINT	MID POINT	EXPONENTIAL
15 points	2.8%	2.9%	2.9%
12 points	4.0%	4.2%	4.3%
9 points	4.0%	4.2%	4.3%
6 points	2.5%	2.6%	2.6%

STRAIGHT LINE

FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	1.1%	1.1%	1.1%
15 points	-1.1%	-1.1%	-1.1%
12 points	-1.3%	-1.2%	-1.3%
9 points	-1.7%	-1.7%	-1.8%
6 points	-6.0%	-5.8%	-5.8%

\$1,000 DEDUCTIBLE COLLISION

STRAIGHT LINE

COST	END POINT	MID POINT	EXPONENTIAL
15 points	0.5%	0.5%	0.5%
12 points	2.3%	2.3%	2.4%
9 points	2.5%	2.6%	2.6%
6 points	0.0%	0.0%	0.0%

STRAIGHT LINE

FREQ	END POINT	MID POINT	EXPONENTIAL
24 points	4.6%	5.2%	5.4%
15 points	3.5%	3.8%	3.9%
12 points	2.9%	3.0%	3.1%
9 points	1.8%	1.8%	1.8%
6 points	-4.1%	-4.0%	-4.1%

NORTH CAROLINA
CORRELATION COEFFICIENTS
DATA ENDED JUNE 2020

ALL CARRIERS

\$50 DEDUCTIBLE COLLISION

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.83	0.83
12 points	0.66	0.66
9 points	0.41	0.41
6 points	-0.41	-0.42

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	-0.03	-0.04
15 points	-0.65	-0.65
12 points	-0.72	-0.72
9 points	-0.84	-0.83
6 points	-0.93	-0.92

\$100 DEDUCTIBLE COLLISION

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.82	0.81
12 points	0.91	0.91
9 points	0.84	0.84
6 points	0.32	0.32

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	0.68	0.68
15 points	0.07	0.06
12 points	0.18	0.17
9 points	0.15	0.14
6 points	-0.45	-0.45

\$200 DEDUCTIBLE COLLISION

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.82	0.82
12 points	0.87	0.87
9 points	0.85	0.85
6 points	0.28	0.28

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	0.83	0.83
15 points	0.49	0.48
12 points	0.30	0.29
9 points	-0.15	-0.16
6 points	-0.68	-0.68

NORTH CAROLINA
CORRELATION COEFFICIENTS
DATA ENDED JUNE 2020

ALL CARRIERS

\$250 DEDUCTIBLE COLLISION

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.89	0.89
12 points	0.96	0.96
9 points	0.93	0.93
6 points	0.78	0.78

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	-0.37	-0.38
15 points	-0.65	-0.65
12 points	-0.53	-0.53
9 points	-0.60	-0.60
6 points	-0.76	-0.75

\$500 DEDUCTIBLE COLLISION

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.89	0.88
12 points	0.98	0.98
9 points	0.97	0.96
6 points	0.95	0.95

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	0.51	0.50
15 points	-0.46	-0.46
12 points	-0.38	-0.39
9 points	-0.34	-0.35
6 points	-0.64	-0.64

\$1,000 DEDUCTIBLE COLLISION

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.19	0.19
12 points	0.77	0.77
9 points	0.79	0.79
6 points	0.00	0.00

FREQ	STRAIGHT LINE	EXPONENTIAL
24 points	0.95	0.95
15 points	0.79	0.79
12 points	0.61	0.61
9 points	0.30	0.29
6 points	-0.45	-0.46

NORTH CAROLINA

PRIVATE PASSENGER LIABILITY INSURANCE
UNINSURED MOTORISTS BODILY INJURY
CLAIM COST TREND

(1) Accident <u>Year Ended</u>	(2) Basic Limit <u>Losses (A)(B)</u>	(3) Incurred <u>Claims</u>	(4) UMBI Claim Cost <u>(2) / (3)</u>
12/31/2008	43,869,258	5,691	7,708.53
12/31/2009	45,292,472	6,120	7,400.73
12/31/2010	42,265,450	5,688	7,430.63
12/31/2011	40,275,644	5,322	7,567.76
12/31/2012	41,691,758	5,501	7,578.94
12/31/2013	40,083,803	5,127	7,818.18
12/31/2014	39,061,362	5,047	7,739.52
12/31/2015	45,082,118	5,559	8,109.75
12/31/2016	51,861,718	6,172	8,402.74
12/31/2017	52,314,927	5,758	9,085.61
12/31/2018	55,954,590	5,625	9,947.48
12/31/2019	58,461,656	5,754	10,160.18

Annual Rates of Change based on the Exponential Curve of Best Fit:

4 points	6.8%
6 points	6.0%
9 points	4.0%
12 points	2.8%

(A) Includes all loss adjustment expense and loss development for voluntary and ceded business combined.

(B) 30/60 limit.

NORTH CAROLINA

PRIVATE PASSENGER LIABILITY INSURANCE
UNINSURED MOTORISTS PROPERTY DAMAGE
CLAIM COST TREND

(1) Accident <u>Year Ended</u>	(2) Basic Limit <u>Losses (A)(B)</u>	(3) Incurred <u>Claims</u>	(4) UMPD Claim Cost <u>(2) / (3)</u>
12/31/2008	10,419,619	7,581	1,374.44
12/31/2009	9,079,850	7,310	1,242.11
12/31/2010	8,608,289	7,005	1,228.88
12/31/2011	8,907,834	6,838	1,302.70
12/31/2012	8,936,756	7,246	1,233.34
12/31/2013	9,924,306	7,033	1,411.11
12/31/2014	10,128,492	6,863	1,475.81
12/31/2015	12,185,957	7,786	1,565.11
12/31/2016	14,703,863	9,348	1,572.94
12/31/2017	14,877,008	9,517	1,563.20
12/31/2018	14,455,779	9,698	1,490.59
12/31/2019	14,889,668	9,815	1,517.03

Annual Rates of Change based on the Exponential Curve of Best Fit:

4 points	-1.5%
6 points	0.0%
9 points	2.4%
12 points	2.2%

(A) Includes all loss adjustment expense and loss development for voluntary and ceded business combined.

(B) \$25,000 limit.

NORTH CAROLINA
PRIVATE PASSENGER LIABILITY INSURANCE
UNDERINSURED MOTORISTS
CLAIM COST TREND

(1) <u>Accident Year Ended</u>	(2) <u>Total Limit Losses (A)</u>	(3) <u>Incurred Claims</u>	(4) <u>UIM Claim Cost (2) / (3)</u>
12/31/2008	72,663,277	1,478	49,163.25
12/31/2009	81,994,812	1,681	48,777.40
12/31/2010	78,995,166	1,598	49,433.77
12/31/2011	82,032,981	1,625	50,481.83
12/31/2012	73,963,910	1,536	48,153.59
12/31/2013	84,097,450	1,645	51,123.07
12/31/2014	73,425,324	1,560	47,067.52
12/31/2015	83,345,016	1,680	49,610.13
12/31/2016	90,387,971	1,967	45,952.20
12/31/2017	94,352,980	1,993	47,342.19
12/31/2018	91,710,837	2,020	45,401.40
12/31/2019	107,471,414	2,342	45,888.73

Annual Rates of Change based on the Exponential Curve of Best Fit:

4 points	-0.5%
6 points	-1.0%
9 points	-1.2%
12 points	-0.8%

(A) Includes all loss adjustment expense and loss development for voluntary and ceded business combined.

NORTH CAROLINA

PRIVATE PASSENGER LIABILITY INSURANCE
UNINSURED MOTORISTS BODILY INJURY
CLAIM FREQUENCY TREND

<u>(1)</u> <u>Accident</u> <u>Year Ended</u>	<u>(2)</u> <u>Exposures(A)</u>	<u>(3)</u> <u>Incurred</u> <u>Claims(A)</u>	<u>(4)</u> <u>UM Claim Freq</u> <u>(3) / (2)*100</u>
12/31/2008	6,013,381	5,691	0.0946
12/31/2009	6,321,674	6,120	0.0968
12/31/2010	6,258,119	5,688	0.0909
12/31/2011	6,253,049	5,322	0.0851
12/31/2012	6,396,922	5,501	0.0860
12/31/2013	6,238,914	5,127	0.0822
12/31/2014	6,046,751	5,047	0.0835
12/31/2015	6,100,909	5,559	0.0911
12/31/2016	6,294,050	6,172	0.0981
12/31/2017	6,306,632	5,758	0.0913
12/31/2018	6,281,681	5,625	0.0895
12/31/2019	6,376,441	5,754	0.0902

Annual Rates of Change based on the Exponential Curve of Best Fit:

4 points	-2.7%
6 points	0.7%
9 points	1.2%
12 points	-0.1%

(A) Voluntary and ceded business combined.

NORTH CAROLINA

PRIVATE PASSENGER LIABILITY INSURANCE
UNINSURED MOTORISTS PROPERTY DAMAGE
CLAIM FREQUENCY TREND

<u>(1)</u> Accident Year Ended	<u>(2)</u> Exposures(A)	<u>(3)</u> Incurred Claims(A)	<u>(4)</u> UM Claim Freq <u>(3) / (2)*100</u>
12/31/2008	6,013,381	7,581	0.1261
12/31/2009	6,321,674	7,310	0.1156
12/31/2010	6,258,119	7,005	0.1119
12/31/2011	6,253,049	6,838	0.1094
12/31/2012	6,396,922	7,246	0.1133
12/31/2013	6,238,914	7,033	0.1127
12/31/2014	6,046,751	6,863	0.1135
12/31/2015	6,100,909	7,786	0.1276
12/31/2016	6,294,050	9,348	0.1485
12/31/2017	6,306,632	9,517	0.1509
12/31/2018	6,281,681	9,698	0.1544
12/31/2019	6,376,441	9,815	0.1539

Annual Rates of Change based on the Exponential Curve of Best Fit:

4 points	1.3%
6 points	6.2%
9 points	5.4%
12 points	3.1%

(A) Voluntary and ceded business combined.

NORTH CAROLINA

PRIVATE PASSENGER LIABILITY INSURANCE
 UNDERINSURED MOTORISTS
 CLAIM FREQUENCY TREND

(1) <u>Accident Year Ended</u>	(2) <u>Incurred Claims(A)</u>	(3) <u>Exposures</u>	(4) <u>UIM Claim Freq (2)/(3)*100</u>
12/31/2008	1,478	4,396,521	0.0336
12/31/2009	1,681	4,614,618	0.0364
12/31/2010	1,598	4,644,504	0.0344
12/31/2011	1,625	4,779,500	0.0340
12/31/2012	1,536	4,926,951	0.0312
12/31/2013	1,645	4,839,404	0.0340
12/31/2014	1,560	4,618,201	0.0338
12/31/2015	1,680	4,526,521	0.0371
12/31/2016	1,967	4,850,954	0.0405
12/31/2017	1,993	4,800,735	0.0415
12/31/2018	2,020	4,781,744	0.0422
12/31/2019	2,342	4,853,878	0.0483

Annual Rates of Change based on the Exponential Curve of Best Fit:

4 points	5.6%
6 points	6.5%
9 points	4.9%
12 points	2.8%

(A) Voluntary and ceded business combined.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM COST
FASTTRACK - NC DATA

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST		(6) PAID LOSSES	(7) PAID CLAIMS	AVERAGE PAID CLAIM COST	
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)			(8) ACTUAL (6)/(7)	(9) EXPONENTIAL CURVE OF BEST FIT (A)
<u>BODILY INJURY (TOTAL LIMITS)</u>					<u>PROPERTY DAMAGE (TOTAL LIMITS)</u>			
Dec-16	464,924,596	43,628	10,657	11,671.75	518,054,025	152,109	3,406	3,702.35
Mar-17	475,772,547	43,589	10,915	11,801.19	526,563,342	151,577	3,474	3,755.71
Jun-17	475,754,737	42,936	11,081	11,932.07	533,429,617	152,209	3,505	3,809.83
Sep-17	476,311,481	42,444	11,222	12,064.40	539,840,463	151,243	3,569	3,864.74
Dec-17	478,568,610	41,761	11,460	12,198.20	542,661,207	149,637	3,627	3,920.44
Mar-18	473,788,017	40,904	11,583	12,333.49	539,428,438	147,460	3,658	3,976.93
Jun-18	477,542,051	40,929	11,668	12,470.27	536,066,516	144,830	3,701	4,034.25
Sep-18	477,040,831	40,512	11,775	12,608.57	530,134,826	141,891	3,736	4,092.39
Dec-18	476,444,362	40,220	11,846	12,748.40	533,052,104	141,266	3,773	4,151.36
Mar-19	479,819,485	39,781	12,062	12,889.79	542,463,503	140,998	3,847	4,211.19
Jun-19	480,194,882	39,195	12,251	13,032.74	546,568,020	140,510	3,890	4,271.88
Sep-19	489,971,248	39,253	12,482	13,177.28	562,048,790	142,054	3,957	4,333.44
Dec-19	493,556,473	39,204	12,589	13,323.42	571,193,942	141,833	4,027	4,395.90
Mar-20	492,787,676	39,450	12,491	13,471.18	579,851,298	141,497	4,098	4,459.25
Jun-20	483,633,483	38,218	12,655	13,620.58	550,327,945	130,376	4,221	4,523.51

(10) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	BODILY INJURY		PROPERTY DAMAGE	
	THROUGH		THROUGH	
	<u>2Q20</u>	<u>1Q20</u>	<u>2Q20</u>	<u>1Q20</u>
6-points	3.6%	4.8%	7.6%	6.7%
9-points	4.5%	4.6%	6.6%	5.9%
12-points	4.5%	4.8%	5.9%	5.5%
15-points	4.9%	5.1%	5.8%	5.5%

(A) THE FITS GIVEN USE THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM COST
FASTTRACK - NC DATA

(1) YEAR ENDED	(2) PAID LOSSES	AVERAGE PAID CLAIM COST			(6) PAID LOSSES	AVERAGE PAID CLAIM COST		
		(3) PAID CLAIMS	(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)		(7) PAID CLAIMS	(8) ACTUAL (6)/(7)	(9) EXPONENTIAL CURVE OF BEST FIT (A)
<u>COMPREHENSIVE</u>					<u>COLLISION</u>			
Dec-16	303,829,105	210,948	1,440	1,408.60	597,363,070	183,323	3,259	3,396.45
Mar-17	299,445,594	207,078	1,446	1,428.80	598,628,964	182,892	3,273	3,441.68
Jun-17	290,152,710	202,772	1,431	1,449.30	607,109,304	185,133	3,279	3,487.52
Sep-17	296,194,435	201,823	1,468	1,470.09	596,737,139	183,311	3,255	3,533.97
Dec-17	252,111,370	194,557	1,296	1,491.18	597,343,265	182,122	3,280	3,581.04
Mar-18	254,909,346	192,540	1,324	1,512.57	606,994,543	182,435	3,327	3,628.73
Jun-18	257,638,564	196,243	1,313	1,534.27	605,444,124	180,364	3,357	3,677.06
Sep-18	271,893,289	199,789	1,361	1,556.28	615,822,308	179,113	3,438	3,726.03
Dec-18	318,477,846	210,494	1,513	1,578.61	633,385,638	180,384	3,511	3,775.66
Mar-19	328,051,948	213,551	1,536	1,601.25	652,167,655	180,173	3,620	3,825.95
Jun-19	360,571,398	219,510	1,643	1,624.22	664,678,389	180,721	3,678	3,876.90
Sep-19	353,442,302	220,872	1,600	1,647.52	673,061,810	183,881	3,660	3,928.54
Dec-19	315,775,750	211,854	1,491	1,671.16	675,627,068	184,145	3,669	3,980.86
Mar-20	320,311,885	210,128	1,524	1,695.13	677,034,861	182,709	3,706	4,033.88
Jun-20	285,663,592	190,878	1,497	1,719.45	618,651,966	168,331	3,675	4,087.61

(10) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	COMPREHENSIVE		COLLISION	
	THROUGH		THROUGH	
	2Q20	1Q20	2Q20	1Q20
6-points	-4.7%	-0.9%	1.2%	3.6%
9-points	6.0%	9.4%	4.7%	6.0%
12-points	5.9%	5.7%	5.4%	5.7%
15-points	3.3%	3.7%	4.6%	4.9%

(A) THE FITS GIVEN USE THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM FREQUENCIES (A)
FASTTRACK - NC DATA

(1) YEAR ENDED	(2) EARNED EXPOSURES	(3) PAID CLAIMS	(4) PAID CLAIM FREQ (2)/(3)	(2) EARNED EXPOSURES	(5) PAID CLAIMS	(6) PAID CLAIM FREQ (5)/(3)
<u>BODILY INJURY</u>			<u>PROPERTY DAMAGE</u>			
Dec-16	4,660,778	43,628	0.9361	4,660,778	152,109	3.2636
Mar-17	4,671,469	43,589	0.9331	4,671,469	151,577	3.2447
Jun-17	4,678,230	42,936	0.9178	4,678,230	152,209	3.2536
Sep-17	4,678,177	42,444	0.9073	4,678,177	151,243	3.2329
Dec-17	4,667,130	41,761	0.8948	4,667,130	149,637	3.2062
Mar-18	4,651,394	40,904	0.8794	4,651,394	147,460	3.1702
Jun-18	4,638,479	40,929	0.8824	4,638,479	144,830	3.1224
Sep-18	4,620,164	40,512	0.8769	4,620,164	141,891	3.0711
Dec-18	4,601,483	40,220	0.8741	4,601,483	141,266	3.0700
Mar-19	4,582,134	39,781	0.8682	4,582,134	140,998	3.0771
Jun-19	4,571,734	39,195	0.8573	4,571,734	140,510	3.0735
Sep-19	4,577,180	39,253	0.8576	4,577,180	142,054	3.1035
Dec-19	4,595,829	39,204	0.8530	4,595,829	141,833	3.0861
Mar-20	4,622,845	39,450	0.8534	4,622,845	141,497	3.0608
Jun-20	4,654,216	38,218	0.8211	4,654,216	130,376	2.8012

(5) RATE OF CHANGE IN PAID CLAIM FREQS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	BODILY INJURY		PROPERTY DAMAGE	
	THROUGH		THROUGH	
	<u>2Q20</u>	<u>1Q20</u>	<u>2Q20</u>	<u>1Q20</u>
6-points	-3.3%	-2.0%	-5.4%	0.0%
9-points	-2.8%	-1.9%	-2.8%	-1.0%
12-points	-2.7%	-2.5%	-3.0%	-2.1%
15-points	-3.1%	-2.9%	-2.9%	-2.2%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM FREQUENCIES (A)
FASTTRACK - NC DATA

(1) YEAR ENDED	(2) EARNED EXPOSURES	(3) PAID CLAIMS	(4) PAID CLAIM FREQ (2)/(3)	(5) EARNED EXPOSURES	(6) PAID CLAIMS	(7) PAID CLAIM FREQ (5)/(3)
<u>COMPREHENSIVE</u>			<u>COLLISION</u>			
Dec-16	3,571,190	210,948	5.9069	3,328,162	183,323	5.5082
Mar-17	3,583,662	207,078	5.7784	3,341,812	182,892	5.4728
Jun-17	3,593,113	202,772	5.6434	3,351,552	185,133	5.5238
Sep-17	3,598,375	201,823	5.6087	3,356,686	183,311	5.4611
Dec-17	3,597,275	194,557	5.4085	3,355,430	182,122	5.4277
Mar-18	3,592,742	192,540	5.3591	3,350,882	182,435	5.4444
Jun-18	3,589,262	196,243	5.4675	3,347,752	180,364	5.3876
Sep-18	3,587,412	199,789	5.5692	3,346,456	179,113	5.3523
Dec-18	3,590,144	210,494	5.8631	3,349,932	180,384	5.3847
Mar-19	3,593,818	213,551	5.9422	3,354,948	180,173	5.3704
Jun-19	3,604,615	219,510	6.0897	3,366,884	180,721	5.3676
Sep-19	3,621,134	220,872	6.0995	3,384,205	183,881	5.4335
Dec-19	3,641,531	211,854	5.8177	3,405,072	184,145	5.4080
Mar-20	3,666,679	210,128	5.7307	3,429,974	182,709	5.3268
Jun-20	3,693,283	190,878	5.1682	3,455,749	168,331	4.8710

(5) RATE OF CHANGE IN PAID CLAIM FREQS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	<u>COMPREHENSIVE</u>		<u>COLLISION</u>	
	THROUGH		THROUGH	
	<u>2Q20</u>	<u>1Q20</u>	<u>2Q20</u>	<u>1Q20</u>
6-points	-10.1%	-2.0%	-5.7%	-0.2%
9-points	-0.9%	4.6%	-2.6%	-0.3%
12-points	1.4%	3.2%	-2.0%	-0.8%
15-points	0.2%	1.5%	-1.7%	-0.8%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
FAST TRACK TREND SUMMARY
DATA ENDED JUNE 2020

NORTH CAROLINA BODILY INJURY

	STRAIGHT LINE		
COST	END POINT	MID POINT	EXPONENTIAL
15 points	4.4%	4.8%	4.9%
12 points	4.2%	4.4%	4.5%
9 points	4.2%	4.4%	4.5%
6 points	3.4%	3.5%	3.6%

	STRAIGHT LINE		
FREQ	END POINT	MID POINT	EXPONENTIAL
15 points	-3.3%	-3.1%	-3.1%
12 points	-2.8%	-2.7%	-2.7%
9 points	-2.9%	-2.8%	-2.8%
6 points	-3.5%	-3.4%	-3.3%

NORTH CAROLINA PROPERTY DAMAGE

	STRAIGHT LINE		
COST	END POINT	MID POINT	EXPONENTIAL
15 points	5.1%	5.7%	5.8%
12 points	5.3%	5.8%	5.9%
9 points	6.1%	6.5%	6.6%
6 points	7.0%	7.3%	7.6%

	STRAIGHT LINE		
FREQ	END POINT	MID POINT	EXPONENTIAL
15 points	-3.1%	-2.9%	-2.9%
12 points	-3.2%	-3.0%	-3.0%
9 points	-2.8%	-2.7%	-2.8%
6 points	-5.6%	-5.4%	-5.4%

NORTH CAROLINA COMPREHENSIVE

	STRAIGHT LINE		
COST	END POINT	MID POINT	EXPONENTIAL
15 points	3.1%	3.3%	3.3%
12 points	5.2%	5.6%	5.9%
9 points	5.3%	5.6%	6.0%
6 points	-5.0%	-4.9%	-4.7%

	STRAIGHT LINE		
FREQ	END POINT	MID POINT	EXPONENTIAL
15 points	0.2%	0.2%	0.2%
12 points	1.5%	1.5%	1.4%
9 points	-0.8%	-0.7%	-0.9%
6 points	-11.0%	-10.3%	-10.1%

NORTH CAROLINA COLLISION

	STRAIGHT LINE		
COST	END POINT	MID POINT	EXPONENTIAL
15 points	4.2%	4.6%	4.6%
12 points	4.9%	5.2%	5.4%
9 points	4.3%	4.5%	4.7%
6 points	1.1%	1.1%	1.2%

	STRAIGHT LINE		
FREQ	END POINT	MID POINT	EXPONENTIAL
15 points	-1.7%	-1.7%	-1.7%
12 points	-2.0%	-1.9%	-2.0%
9 points	-2.6%	-2.5%	-2.6%
6 points	-5.9%	-5.7%	-5.7%

NORTH CAROLINA
FAST TRACK TREND SUMMARY
CORRELATION COEFFICIENTS
DATA ENDED JUNE 2020

NORTH CAROLINA BODILY INJURY

	STRAIGHT LINE	EXPONENTIAL
COST		
15 points	0.99	0.99
12 points	0.99	0.99
9 points	0.97	0.97
6 points	0.91	0.91
FREQ		
15 points	-0.97	-0.97
12 points	-0.95	-0.95
9 points	-0.92	-0.92
6 points	-0.84	-0.84

NORTH CAROLINA PROPERTY DAMAGE

	STRAIGHT LINE	EXPONENTIAL
COST		
15 points	0.99	0.99
12 points	0.99	0.99
9 points	0.99	0.99
6 points	0.99	0.99
FREQ		
15 points	-0.86	-0.85
12 points	-0.79	-0.78
9 points	-0.60	-0.60
6 points	-0.67	-0.67

NORTH CAROLINA COMPREHENSIVE

	STRAIGHT LINE	EXPONENTIAL
COST		
15 points	0.52	0.52
12 points	0.64	0.65
9 points	0.55	0.56
6 points	-0.58	-0.59
FREQ		
15 points	0.06	0.05
12 points	0.26	0.25
9 points	-0.10	-0.11
6 points	-0.81	-0.81

NORTH CAROLINA COLLISION

	STRAIGHT LINE	EXPONENTIAL
COST		
15 points	0.95	0.95
12 points	0.96	0.95
9 points	0.89	0.89
6 points	0.70	0.70
FREQ		
15 points	-0.67	-0.66
12 points	-0.59	-0.59
9 points	-0.54	-0.54
6 points	-0.67	-0.67

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM COST
FASTTRACK - COUNTRYWIDE DATA

(1) YEAR ENDED	(2) PAID LOSSES	(3) PAID CLAIMS	AVERAGE PAID CLAIM COST		(6) PAID LOSSES	(7) PAID CLAIMS	AVERAGE PAID CLAIM COST		
			(4) ACTUAL (2)/(3)	(5) EXPONENTIAL CURVE OF BEST FIT (A)			(8) ACTUAL (6)/(7)	(9) EXPONENTIAL CURVE OF BEST FIT (A)	
<u>BODILY INJURY (TOTAL LIMITS)</u>					<u>PROPERTY DAMAGE (TOTAL LIMITS)</u>				
Dec-16	14,048,924,516	922,984	15,221	16,668.20	18,223,300,891	5,114,869	3,563	3,785.74	
Mar-17	14,419,304,643	928,330	15,533	16,884.84	18,490,411,799	5,131,572	3,603	3,836.55	
Jun-17	14,680,311,162	924,474	15,880	17,104.29	18,746,924,497	5,155,626	3,636	3,888.04	
Sep-17	14,797,069,336	917,236	16,132	17,326.60	18,778,594,114	5,115,761	3,671	3,940.22	
Dec-17	14,937,565,859	911,031	16,396	17,551.79	18,830,355,245	5,085,160	3,703	3,993.11	
Mar-18	14,905,102,853	900,302	16,556	17,779.91	18,831,925,681	5,040,200	3,736	4,046.70	
Jun-18	14,912,392,487	894,937	16,663	18,011.00	18,804,101,324	4,981,407	3,775	4,101.01	
Sep-18	14,961,901,127	893,871	16,738	18,245.09	18,821,274,333	4,926,989	3,820	4,156.05	
Dec-18	15,033,529,563	890,813	16,876	18,482.22	18,914,878,088	4,884,592	3,872	4,211.83	
Mar-19	15,186,322,612	887,389	17,113	18,722.44	18,955,421,748	4,822,083	3,931	4,268.36	
Jun-19	15,430,149,558	884,837	17,438	18,965.77	18,891,648,102	4,761,537	3,968	4,325.65	
Sep-19	15,763,399,118	885,148	17,809	19,212.27	19,115,326,516	4,755,170	4,020	4,383.71	
Dec-19	16,025,732,146	886,929	18,069	19,461.97	19,206,635,256	4,709,838	4,078	4,442.54	
Mar-20	16,332,403,567	890,292	18,345	19,714.92	19,379,518,771	4,672,807	4,147	4,502.17	
Jun-20	16,101,554,653	862,930	18,659	19,971.16	18,456,880,849	4,293,243	4,299	4,562.59	

(10) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	BODILY INJURY		PROPERTY DAMAGE	
	THROUGH		THROUGH	
	2Q20	1Q20	2Q20	1Q20
6-points	7.1%	7.1%	7.0%	5.5%
9-points	6.2%	5.6%	6.1%	5.3%
12-points	5.3%	5.1%	5.5%	4.9%
15-points	5.5%	5.4%	5.0%	4.7%

(A) THE FITS GIVEN USE THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM COST

FASTTRACK - COUNTRYWIDE DATA

(1) <u>YEAR ENDED</u>	(2) <u>PAID LOSSES</u>	(3) <u>PAID CLAIMS</u>	AVERAGE PAID CLAIM COST		(6) <u>PAID LOSSES</u>	(7) <u>PAID CLAIMS</u>	AVERAGE PAID CLAIM COST	
			(4) <u>ACTUAL (2)/(3)</u>	(5) <u>EXPONENTIAL CURVE OF BEST FIT (A)</u>			(8) <u>ACTUAL (6)/(7)</u>	(9) <u>EXPONENTIAL CURVE OF BEST FIT (A)</u>
<u>COMPREHENSIVE</u>			<u>COLLISION</u>					
Dec-16	11,107,452,309	7,304,198	1,521	1,586.73	24,410,775,498	6,744,427	3,619	3,710.10
Mar-17	11,278,457,744	7,312,565	1,542	1,578.80	24,708,400,570	6,792,845	3,637	3,748.18
Jun-17	11,242,952,045	7,293,467	1,542	1,570.90	24,784,486,663	6,850,708	3,618	3,786.64
Sep-17	12,086,198,138	7,334,204	1,648	1,563.05	24,507,033,987	6,817,246	3,595	3,825.51
Dec-17	12,198,789,365	7,360,670	1,657	1,555.24	24,641,365,626	6,812,110	3,617	3,864.77
Mar-18	12,029,282,472	7,270,914	1,654	1,547.46	24,870,694,615	6,810,678	3,652	3,904.43
Jun-18	11,398,702,665	7,182,299	1,587	1,539.73	25,021,585,912	6,775,980	3,693	3,944.50
Sep-18	10,619,635,916	7,151,883	1,485	1,532.03	25,314,602,846	6,746,285	3,752	3,984.98
Dec-18	10,839,249,608	7,219,166	1,501	1,524.37	25,490,616,426	6,724,889	3,790	4,025.88
Mar-19	11,024,080,076	7,287,926	1,513	1,516.75	25,744,018,546	6,678,227	3,855	4,067.20
Jun-19	11,341,059,874	7,310,509	1,551	1,509.17	25,893,576,591	6,622,796	3,910	4,108.94
Sep-19	11,328,265,475	7,411,920	1,528	1,501.63	26,217,768,098	6,655,951	3,939	4,151.11
Dec-19	11,360,452,867	7,429,748	1,529	1,494.12	26,502,101,156	6,659,814	3,979	4,193.71
Mar-20	11,457,502,025	7,380,898	1,552	1,486.65	26,293,774,542	6,562,256	4,007	4,236.75
Jun-20	11,163,470,047	6,925,104	1,612	1,479.22	23,394,749,080	5,977,938	3,914	4,280.23

(10) RATE OF CHANGE IN PAID CLAIM COSTS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	COMPREHENSIVE		COLLISION	
	THROUGH		THROUGH	
	<u>2Q20</u>	<u>1Q20</u>	<u>2Q20</u>	<u>1Q20</u>
6-points	3.7%	2.1%	1.8%	4.4%
9-points	1.6%	-1.8%	3.7%	4.9%
12-points	-2.0%	-2.2%	4.2%	4.5%
15-points	-0.5%	-1.0%	3.4%	3.7%

(A) THE FITS GIVEN USE THE 12-POINT AVERAGE ANNUAL RATE OF CHANGE.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM FREQUENCIES (A)

FASTTRACK - COUNTRYWIDE DATA

(1) YEAR ENDED	(2) EARNED EXPOSURES	(3) PAID CLAIMS	(4) PAID CLAIM FREQ (2)/(3)	(2) EARNED EXPOSURES	(5) PAID CLAIMS	(6) PAID CLAIM FREQ (5)/(3)	
		<u>BODILY INJURY</u>			<u>PROPERTY DAMAGE</u>		
Dec-16	99,974,988	922,984	0.9232	141,158,146	5,114,869	3.6235	
Mar-17	100,302,711	928,330	0.9255	141,590,053	5,131,572	3.6242	
Jun-17	100,630,239	924,474	0.9187	142,035,196	5,155,626	3.6298	
Sep-17	100,865,749	917,236	0.9094	142,367,034	5,115,761	3.5934	
Dec-17	100,981,609	911,031	0.9022	142,531,872	5,085,160	3.5677	
Mar-18	100,982,325	900,302	0.8915	142,524,085	5,040,200	3.5364	
Jun-18	100,936,148	894,937	0.8866	142,439,079	4,981,407	3.4972	
Sep-18	100,936,222	893,871	0.8856	142,417,379	4,926,989	3.4595	
Dec-18	100,980,737	890,813	0.8822	142,451,089	4,884,592	3.4290	
Mar-19	100,984,450	887,389	0.8787	142,418,156	4,822,083	3.3859	
Jun-19	101,104,207	884,837	0.8752	142,561,181	4,761,537	3.3400	
Sep-19	101,321,084	885,148	0.8736	142,829,175	4,755,170	3.3293	
Dec-19	101,615,654	886,929	0.8728	143,192,534	4,709,838	3.2892	
Mar-20	102,063,904	890,292	0.8723	143,777,676	4,672,807	3.2500	
Jun-20	102,515,652	862,930	0.8418	144,326,796	4,293,243	2.9747	

(5) RATE OF CHANGE IN PAID CLAIM FREQS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	BODILY INJURY		PROPERTY DAMAGE	
	THROUGH		THROUGH	
	<u>2Q20</u>	<u>1Q20</u>	<u>2Q20</u>	<u>1Q20</u>
6-points	-2.5%	-0.9%	-8.1%	-4.0%
9-points	-1.8%	-1.1%	-6.0%	-4.1%
12-points	-2.0%	-1.8%	-5.2%	-4.0%
15-points	-2.2%	-2.0%	-4.4%	-3.6%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
DETERMINATION OF AVERAGE ANNUAL CHANGE
IN CLAIM FREQUENCIES (A)

FASTTRACK - COUNTRYWIDE DATA

(1)	(2)	(3)	(4)	(5)	(6)	(7)
YEAR ENDED	EARNED EXPOSURES	PAID CLAIMS	PAID CLAIM FREQ (2)/(3)	EARNED EXPOSURES	PAID CLAIMS	PAID CLAIM FREQ (5)/(3)
	<u>COMPREHENSIVE</u>			<u>COLLISION</u>		
Dec-16	117,356,663	7,304,198	6.2239	111,306,365	6,744,427	6.0593
Mar-17	117,863,345	7,312,565	6.2043	111,747,506	6,792,845	6.0787
Jun-17	118,327,846	7,293,467	6.1638	112,168,580	6,850,708	6.1075
Sep-17	118,654,833	7,334,204	6.1811	112,485,318	6,817,246	6.0606
Dec-17	118,867,901	7,360,670	6.1923	112,659,950	6,812,110	6.0466
Mar-18	118,908,977	7,270,914	6.1147	112,704,153	6,810,678	6.0430
Jun-18	118,913,540	7,182,299	6.0399	112,694,672	6,775,980	6.0127
Sep-18	118,963,621	7,151,883	6.0118	112,738,697	6,746,285	5.9840
Dec-18	119,068,307	7,219,166	6.0630	112,839,289	6,724,889	5.9597
Mar-19	119,128,191	7,287,926	6.1177	112,900,908	6,678,227	5.9151
Jun-19	119,342,541	7,310,509	6.1257	113,107,186	6,622,796	5.8553
Sep-19	119,660,182	7,411,920	6.1941	113,414,471	6,655,951	5.8687
Dec-19	120,075,943	7,429,748	6.1875	113,800,111	6,659,814	5.8522
Mar-20	120,671,141	7,380,898	6.1165	114,356,383	6,562,256	5.7384
Jun-20	121,217,504	6,925,104	5.7130	114,838,122	5,977,938	5.2055

(5) RATE OF CHANGE IN PAID CLAIM FREQS FOR ANY 12 MONTH INTERVAL ON THE EXPONENTIAL CURVE OF BEST FIT:

	COMPREHENSIVE		COLLISION	
	THROUGH		THROUGH	
	<u>2Q20</u>	<u>1Q20</u>	<u>2Q20</u>	<u>1Q20</u>
6-points	-3.9%	1.0%	-7.7%	-2.5%
9-points	-0.8%	1.0%	-4.9%	-2.3%
12-points	-1.0%	0.0%	-3.5%	-2.0%
15-points	-1.0%	-0.3%	-2.7%	-1.6%

(A) AVERAGE PAID CLAIM FREQUENCY PER 100 CARS.

NORTH CAROLINA
FAST TRACK TREND SUMMARY
DATA ENDED JUNE 2020

MULTISTATE BODILY INJURY

		STRAIGHT LINE		
COST	END POINT		MID POINT	EXPONENTIAL
15 points	4.9%		5.4%	5.5%
12 points	4.8%		5.2%	5.3%
9 points	5.7%		6.1%	6.2%
6 points	6.6%		6.8%	7.1%

		STRAIGHT LINE		
FREQ	END POINT		MID POINT	EXPONENTIAL
15 points	-2.3%		-2.2%	-2.2%
12 points	-2.0%		-2.0%	-2.0%
9 points	-1.9%		-1.8%	-1.8%
6 points	-2.6%		-2.6%	-2.5%

MULTISTATE PROPERTY DAMAGE

		STRAIGHT LINE		
COST	END POINT		MID POINT	EXPONENTIAL
15 points	4.5%		5.0%	5.0%
12 points	5.0%		5.4%	5.5%
9 points	5.6%		6.0%	6.1%
6 points	6.6%		6.8%	7.0%

		STRAIGHT LINE		
FREQ	END POINT		MID POINT	EXPONENTIAL
15 points	-4.8%		-4.4%	-4.4%
12 points	-5.6%		-5.2%	-5.2%
9 points	-6.5%		-6.1%	-6.0%
6 points	-8.7%		-8.3%	-8.1%

MULTISTATE COMPREHENSIVE

		STRAIGHT LINE		
COST	END POINT		MID POINT	EXPONENTIAL
15 points	-0.5%		-0.5%	-0.5%
12 points	-2.1%		-2.1%	-2.0%
9 points	1.6%		1.6%	1.6%
6 points	3.6%		3.7%	3.7%

		STRAIGHT LINE		
FREQ	END POINT		MID POINT	EXPONENTIAL
15 points	-1.0%		-1.0%	-1.0%
12 points	-1.0%		-1.0%	-1.0%
9 points	-0.7%		-0.7%	-0.8%
6 points	-4.0%		-3.9%	-3.9%

MULTISTATE COLLISION

		STRAIGHT LINE		
COST	END POINT		MID POINT	EXPONENTIAL
15 points	3.2%		3.4%	3.4%
12 points	3.9%		4.1%	4.2%
9 points	3.5%		3.7%	3.7%
6 points	1.8%		1.8%	1.8%

		STRAIGHT LINE		
FREQ	END POINT		MID POINT	EXPONENTIAL
15 points	-2.8%		-2.6%	-2.7%
12 points	-3.7%		-3.5%	-3.5%
9 points	-5.1%		-4.8%	-4.9%
6 points	-8.2%		-7.8%	-7.7%

NORTH CAROLINA
FAST TRACK TREND SUMMARY
CORRELATION COEFFICIENTS
DATA ENDED JUNE 2020

MULTISTATE BODILY INJURY

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.99	0.99
12 points	0.98	0.98
9 points	0.99	0.99
6 points	1.00	1.00

FREQ	STRAIGHT LINE	EXPONENTIAL
15 points	-0.96	-0.96
12 points	-0.92	-0.92
9 points	-0.83	-0.83
6 points	-0.77	-0.76

MULTISTATE PROPERTY DAMAGE

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.98	0.99
12 points	0.98	0.99
9 points	0.98	0.98
6 points	0.97	0.97

FREQ	STRAIGHT LINE	EXPONENTIAL
15 points	-0.94	-0.93
12 points	-0.93	-0.92
9 points	-0.90	-0.89
6 points	-0.86	-0.85

MULTISTATE COMPREHENSIVE

COST	STRAIGHT LINE	EXPONENTIAL
15 points	-0.15	-0.15
12 points	-0.47	-0.46
9 points	0.42	0.42
6 points	0.76	0.76

FREQ	STRAIGHT LINE	EXPONENTIAL
15 points	-0.52	-0.52
12 points	-0.39	-0.40
9 points	-0.21	-0.22
6 points	-0.61	-0.61

MULTISTATE COLLISION

COST	STRAIGHT LINE	EXPONENTIAL
15 points	0.94	0.94
12 points	0.96	0.96
9 points	0.90	0.90
6 points	0.62	0.62

FREQ	STRAIGHT LINE	EXPONENTIAL
15 points	-0.78	-0.77
12 points	-0.79	-0.78
9 points	-0.79	-0.78
6 points	-0.78	-0.78

CPI GASOLINE INDEX
ANNUAL PERCENT CHANGE

<u>Quarter</u>	(1) <u>Index</u>	(2) <u>Annual Percentage Change</u>
2010:3	2.337	5.6%
2010:4	2.464	10.2%
2011:1	2.795	20.1%
2011:2	3.266	35.2%
2011:3	3.110	33.1%
2011:4	2.897	17.6%
2012:1	3.085	10.4%
2012:2	3.210	-1.7%
2012:3	3.141	1.0%
2012:4	3.022	4.3%
2013:1	3.071	-0.5%
2013:2	3.101	-3.4%
2013:3	3.085	-1.8%
2013:4	2.846	-5.8%
2014:1	2.936	-4.4%
2014:2	3.170	2.2%
2014:3	3.028	-1.9%
2014:4	2.501	-12.1%
2015:1	1.985	-32.4%
2015:2	2.326	-26.6%
2015:3	2.272	-25.0%
2015:4	1.898	-24.1%
2016:1	1.655	-16.6%
2016:2	1.968	-15.4%
2016:3	1.928	-15.1%
2016:4	1.953	2.9%
2017:1	2.042	23.4%
2017:2	2.092	6.3%
2017:3	2.138	10.9%
2017:4	2.199	12.6%
2018:1	2.260	10.7%
2018:2	2.506	19.8%
2018:3	2.519	17.8%
2018:4	2.338	6.3%
2019:1	2.111	-6.6%
2019:2	2.484	-0.9%
2019:3	2.364	-6.2%
2019:4	2.322	-0.7%
2020:1	2.159	2.3%
2020:2	1.743	-29.8%
2020:3	1.949	-17.5%

NORTH CAROLINA
PERSONAL AUTO INSURANCE
RETAIL PRICES OF MOTOR FUEL *

<u>Date</u>	<u>Regular Gasoline</u>	<u>Midgrade Gasoline</u>	<u>Premium Gasoline</u>
Jan-17	2.277	2.567	2.868
Feb-17	2.207	2.504	2.803
Mar-17	2.205	2.503	2.804
Apr-17	2.308	2.606	2.904
May-17	2.246	2.550	2.850
Jun-17	2.182	2.495	2.790
Jul-17	2.128	2.445	2.733
Aug-17	2.221	2.536	2.829
Sep-17	2.642	2.937	3.238
Oct-17	2.411	2.730	3.027
Nov-17	2.405	2.729	3.015
Dec-17	2.338	2.664	2.950
Jan-18	2.426	2.753	3.041
Feb-18	2.475	2.799	3.089
Mar-18	2.458	2.785	3.077
Apr-18	2.623	2.938	3.228
May-18	2.746	3.043	3.337
Jun-18	2.709	3.009	3.302
Jul-18	2.676	2.976	3.273
Aug-18	2.686	2.986	3.277
Sep-18	2.678	2.980	3.277
Oct-18	2.711	3.023	3.316
Nov-18	2.483	2.812	3.111
Dec-18	2.196	2.539	2.838
Jan-19	2.101	2.441	2.739
Feb-19	2.185	2.510	2.814
Mar-19	2.418	2.731	3.032
Apr-19	2.645	2.959	3.252
May-19	2.619	2.944	3.243
Jun-19	2.457	2.793	3.095
Jul-19	2.551	2.876	3.175
Aug-19	2.403	2.749	3.046
Sep-19	2.392	2.734	3.033
Oct-19	2.382	2.730	3.030
Nov-19	2.361	2.702	3.004
Dec-19	2.389	2.732	3.028
Jan-20	2.409	2.751	3.045
Feb-20	2.275	2.625	2.928
Mar-20	2.059	2.416	2.729
Apr-20	1.727	2.090	2.410
May-20	1.702	2.056	2.376
Jun-20	1.901	2.247	2.556
Jul-20	2.011	2.363	2.665
Aug-20	2.011	2.359	2.663
Sep-20	2.039	2.384	2.686
Oct-20	2.022	2.369	2.669

* Data shown is for the LOWER ATLANTIC REGION
Source: U.S. Energy Information Administration, Conventional Areas

Monthly Gasoline Sales (in thousands of gallons/day)
 Source: U.S. Energy Information Administration
 Total Gasoline - All Sales/Deliveries by Prime Suppliers

		Average Daily Gasoline Sales for <u>North Carolina</u>	% change from month <u>one year prior</u>	Year Ending Average Daily Gasoline Sales for <u>North Carolina</u>	% change from one <u>year prior</u>
Jan	2013	10,420.4	5.1%	10,990.2	-0.8%
Feb	2013	10,813.1	0.4%	10,994.0	-0.5%
Mar	2013	11,100.5	2.5%	11,016.6	-0.3%
Apr	2013	11,018.6	0.5%	11,021.4	-0.1%
May	2013	11,359.6	1.0%	11,030.5	0.0%
Jun	2013	10,953.6	-3.0%	11,002.6	-0.2%
Jul	2013	10,912.9	0.5%	11,007.2	0.0%
Aug	2013	11,301.4	0.0%	11,006.9	0.1%
Sep	2013	11,089.4	1.3%	11,018.8	0.4%
Oct	2013	11,147.5	-2.8%	10,991.6	-0.1%
Nov	2013	11,215.2	0.6%	10,997.1	0.0%
Dec	2013	10,821.9	1.8%	11,012.8	0.6%
Jan	2014	10,186.9	-2.2%	10,993.4	0.0%
Feb	2014	10,375.8	-4.0%	10,956.9	-0.3%
Mar	2014	11,011.4	-0.8%	10,949.5	-0.6%
Apr	2014	11,179.0	1.5%	10,962.9	-0.5%
May	2014	11,634.7	2.4%	10,985.8	-0.4%
Jun	2014	11,435.0	4.4%	11,025.9	0.2%
Jul	2014	11,551.4	5.9%	11,079.1	0.7%
Aug	2014	11,481.9	1.6%	11,094.2	0.8%
Sep	2014	11,154.1	0.6%	11,099.6	0.7%
Oct	2014	11,900.8	6.8%	11,162.3	1.6%
Nov	2014	11,288.8	0.7%	11,168.5	1.6%
Dec	2014	11,371.8	5.1%	11,214.3	1.8%
Jan	2015	10,608.7	4.1%	11,249.5	2.3%
Feb	2015	10,820.5	4.3%	11,286.5	3.0%
Mar	2015	11,339.7	3.0%	11,313.9	3.3%
Apr	2015	11,808.3	5.6%	11,366.3	3.7%
May	2015	12,129.0	4.2%	11,407.5	3.8%
Jun	2015	12,284.0	7.4%	11,478.3	4.1%
Jul	2015	12,246.1	6.0%	11,536.1	4.1%
Aug	2015	12,011.0	4.6%	11,580.2	4.4%
Sep	2015	11,844.4	6.2%	11,637.8	4.8%
Oct	2015	11,887.4	-0.1%	11,636.6	4.2%
Nov	2015	11,666.8	3.3%	11,668.1	4.5%
Dec	2015	11,553.4	1.6%	11,683.3	4.2%
Jan	2016	10,819.9	2.0%	11,700.9	4.0%
Feb	2016	11,710.8	8.2%	11,775.1	4.3%
Mar	2016	12,061.1	6.4%	11,835.2	4.6%
Apr	2016	12,190.1	3.2%	11,867.0	4.4%
May	2016	12,151.1	0.2%	11,868.8	4.0%
Jun	2016	12,603.9	2.6%	11,895.5	3.6%
Jul	2016	12,462.7	1.8%	11,913.6	3.3%
Aug	2016	12,654.5	5.4%	11,967.2	3.3%
Sep	2016	11,953.1	0.9%	11,976.2	2.9%
Oct	2016	12,280.2	3.3%	12,009.0	3.2%
Nov	2016	12,275.1	5.2%	12,059.7	3.4%
Dec	2016	11,863.9	2.7%	12,085.5	3.4%

Monthly Gasoline Sales (in thousands of gallons/day)
Source: U.S. Energy Information Administration
Total Gasoline - All Sales/Deliveries by Prime Suppliers

		Average Daily Gasoline Sales for <u>North Carolina</u>	% change from month <u>one year prior</u>	Year Ending Average Daily Gasoline Sales for <u>North Carolina</u>	% change from one <u>year prior</u>
Jan	2017	10,955.7	1.3%	12,096.9	3.4%
Feb	2017	11,746.9	0.3%	12,099.9	2.8%
Mar	2017	12,206.7	1.2%	12,112.0	2.3%
Apr	2017	12,409.7	1.8%	12,130.3	2.2%
May	2017	12,456.2	2.5%	12,155.7	2.4%
Jun	2017	12,780.4	1.4%	12,170.4	2.3%
Jul	2017	12,630.1	1.3%	12,184.4	2.3%
Aug	2017	13,057.6	3.2%	12,218.0	2.1%
Sep	2017	12,233.0	2.3%	12,241.3	2.2%
Oct	2017	12,697.2	3.4%	12,276.0	2.2%
Nov	2017	12,492.1	1.8%	12,294.1	1.9%
Dec	2017	11,998.3	1.1%	12,305.3	1.8%
Jan	2018	10,996.2	0.4%	12,308.7	1.8%
Feb	2018	11,689.5	-0.5%	12,303.9	1.7%
Mar	2018	12,362.0	1.3%	12,316.9	1.7%
Apr	2018	12,274.5	-1.1%	12,305.6	1.4%
May	2018	12,786.2	2.6%	12,333.1	1.5%
Jun	2018	12,964.4	1.4%	12,348.4	1.5%
Jul	2018	12,337.4	-2.3%	12,324.0	1.1%
Aug	2018	12,753.5	-2.3%	12,298.7	0.7%
Sep	2018	11,983.9	-2.0%	12,277.9	0.3%
Oct	2018	12,273.8	-3.3%	12,242.7	-0.3%
Nov	2018	12,119.2	-3.0%	12,211.6	-0.7%
Dec	2018	11,632.5	-3.0%	12,181.1	-1.0%
Jan	2019	11,240.2	2.2%	12,201.4	-0.9%
Feb	2019	11,457.1	-2.0%	12,182.1	-1.0%
Mar	2019	11,826.8	-4.3%	12,137.5	-1.5%
Apr	2019	12,038.2	-1.9%	12,117.8	-1.5%
May	2019	12,653.2	-1.0%	12,106.7	-1.8%
Jun	2019	12,242.9	-5.6%	12,046.6	-2.4%
Jul	2019	12,356.7	0.2%	12,048.2	-2.2%
Aug	2019	12,580.0	-1.4%	12,033.7	-2.2%
Sep	2019	12,193.5	1.7%	12,051.2	-1.8%
Oct	2019	12,661.4	3.2%	12,083.5	-1.3%
Nov	2019	12,285.3	1.4%	12,097.3	-0.9%
Dec	2019	11,862.0	2.0%	12,116.4	-0.5%
Jan	2020	11,736.1	4.4%	12,157.8	-0.4%
Feb	2020	11,932.8	4.2%	12,197.4	0.1%
Mar	2020	11,049.4	-6.6%	12,132.6	0.0%
Apr	2020	8,280.5	-31.2%	11,819.5	-2.5%
May	2020	10,182.3	-19.5%	11,613.6	-4.1%
Jun	2020	11,617.0	-5.1%	11,561.4	-4.0%
Jul	2020	12,064.8	-2.4%	11,537.1	-4.2%
Aug	2020	11,649.3	-7.4%	11,459.5	-4.8%
Sep	2020	11,602.4	-4.8%	11,410.3	-5.3%

MILES DRIVEN AND GASOLINE CONSUMPTION - U.S. TOTAL

	Miles Driven (billions of miles)	Year ending Miles Driven (billions of miles)	% Change from Year Prior	Average Gasoline Consumption* (million gallons/day)	Year ending Avg. Gasoline Consumption* (million gallons/day)	% Change from Year Prior
1/14	226.4	2,965.5	0.3%	322.5	347.8	0.0%
2/14	215.2	2,966.2	0.5%	335.0	347.2	-0.1%
3/14	252.1	2,969.7	0.7%	340.4	346.8	-0.3%
4/14	257.9	2,977.5	0.9%	346.4	346.3	-0.5%
5/14	268.1	2,983.8	1.1%	354.7	346.1	-0.7%
6/14	264.9	2,990.7	1.3%	353.3	345.6	-0.8%
7/14	272.3	3,000.2	1.6%	356.1	345.6	-0.8%
8/14	271.0	3,004.5	1.6%	355.0	345.1	-1.0%
9/14	249.1	3,012.6	1.8%	345.8	345.2	-1.0%
10/14	267.2	3,022.2	1.9%	355.0	345.8	-0.8%
11/14	242.8	3,026.5	2.1%	347.2	345.9	-0.8%
12/14	253.6	3,040.6	2.5%	348.0	346.6	-0.6%
1/15	235.9	3,050.1	2.9%	336.5	347.8	0.0%
2/15	219.8	3,054.7	3.0%	350.7	349.1	0.5%
3/15	260.4	3,063.0	3.1%	353.3	350.2	1.0%
4/15	265.9	3,071.0	3.1%	364.0	351.6	1.5%
5/15	273.9	3,076.8	3.1%	363.2	352.3	1.8%
6/15	273.7	3,085.6	3.2%	373.6	354.0	2.5%
7/15	281.8	3,095.1	3.2%	374.6	355.6	2.9%
8/15	275.6	3,099.7	3.2%	371.2	356.9	3.4%
9/15	258.0	3,108.6	3.2%	365.6	358.6	3.9%
10/15	271.7	3,113.1	3.0%	364.1	359.3	3.9%
11/15	251.4	3,121.7	3.1%	357.8	360.2	4.1%
12/15	262.4	3,130.5	3.0%	357.5	361.0	4.2%
1/16	236.5	3,131.1	2.7%	342.2	361.5	3.9%
2/16	229.0	3,140.3	2.8%	360.5	362.3	3.8%
3/16	269.7	3,149.6	2.8%	366.8	363.4	3.8%
4/16	268.4	3,152.1	2.6%	370.8	364.0	3.5%
5/16	275.3	3,153.5	2.5%	374.0	364.9	3.6%
6/16	277.5	3,157.3	2.3%	389.7	366.2	3.4%
7/16	281.4	3,156.9	2.0%	385.2	367.1	3.2%
8/16	279.4	3,160.7	2.0%	384.7	368.2	3.2%
9/16	261.8	3,164.5	1.8%	375.5	369.1	2.9%
10/16	271.7	3,164.5	1.7%	373.7	369.9	2.9%
11/16	258.6	3,171.7	1.6%	369.8	370.9	3.0%
12/16	260.0	3,169.3	1.2%	367.6	371.7	3.0%
1/17	244.6	3,177.4	1.5%	343.5	371.8	2.9%
2/17	226.9	3,175.3	1.1%	359.4	371.7	2.6%
3/17	267.4	3,173.0	0.7%	372.6	372.2	2.4%
4/17	272.9	3,177.5	0.8%	375.5	372.6	2.4%

Source: U. S. Department of Transportation, Federal Highway Administration
U. S. Energy Information Administration

* All Sales/Deliveries by Prime Suppliers

MILES DRIVEN AND GASOLINE CONSUMPTION - U.S. TOTAL

	Miles Driven (billions of miles)	Year ending Miles Driven (billions of miles)	% Change from Year Prior	Average Gasoline Consumption* (million gallons/day)	Year ending Avg. Gasoline Consumption* (million gallons/day)	% Change from Year Prior
5/17	284.0	3,186.2	1.0%	383.9	373.4	2.3%
6/17	280.5	3,189.2	1.0%	393.2	373.7	2.0%
7/17	287.3	3,195.1	1.2%	383.9	373.6	1.8%
8/17	283.2	3,198.9	1.2%	392.0	374.2	1.6%
9/17	262.7	3,199.8	1.1%	375.1	374.2	1.4%
10/17	278.9	3,207.0	1.3%	380.2	374.7	1.3%
11/17	257.7	3,206.1	1.1%	373.4	375.0	1.1%
12/17	266.5	3,212.6	1.4%	367.8	375.0	0.9%
1/18	243.5	3,211.5	1.1%	346.4	375.3	0.9%
2/18	225.1	3,209.7	1.1%	361.3	375.4	1.0%
3/18	269.2	3,211.5	1.2%	374.1	375.6	0.9%
4/18	272.4	3,211.0	1.1%	374.7	375.5	0.8%
5/18	283.4	3,210.4	0.8%	386.0	375.7	0.6%
6/18	280.6	3,210.5	0.7%	391.6	375.5	0.5%
7/18	289.4	3,212.6	0.5%	383.7	375.5	0.5%
8/18	286.0	3,215.4	0.5%	390.0	375.4	0.3%
9/18	263.2	3,215.9	0.5%	371.4	375.1	0.2%
10/18	282.2	3,219.2	0.4%	378.3	374.9	0.0%
11/18	258.6	3,220.1	0.4%	372.9	374.9	0.0%
12/18	269.7	3,223.3	0.3%	363.8	374.5	-0.1%
1/19	248.2	3,228.0	0.5%	342.2	374.2	-0.3%
2/19	226.7	3,229.6	0.6%	350.1	373.2	-0.6%
3/19	271.5	3,231.9	0.6%	358.2	371.9	-1.0%
4/19	281.4	3,240.9	0.9%	368.5	371.4	-1.1%
5/19	286.0	3,243.5	1.0%	377.4	370.7	-1.3%
6/19	280.9	3,243.8	1.0%	377.5	369.5	-1.6%
7/19	295.6	3,250.0	1.2%	379.9	369.2	-1.7%
8/19	286.5	3,250.5	1.1%	387.1	368.9	-1.7%
9/19	271.7	3,259.0	1.3%	365.9	368.5	-1.8%
10/19	284.0	3,260.8	1.3%	373.9	368.1	-1.8%
11/19	260.5	3,262.7	1.3%	365.8	367.5	-2.0%
12/19	274.1	3,267.1	1.4%	359.7	367.2	-2.0%
1/20	253.6	3,272.5	1.4%	346.6	367.6	-1.8%
2/20	232.1	3,277.9	1.5%	357.2	368.1	-1.4%
3/20	220.1	3,226.5	-0.2%	309.1	364.1	-2.1%
4/20	168.5	3,113.6	-3.9%	228.2	352.4	-5.1%
5/20	212.9	3,040.5	-6.3%	284.6	344.6	-7.0%
6/20	244.0	3,003.6	-7.4%	332.3	340.9	-7.8%
7/20	262.5	2,970.5	-8.6%	345.0	338.0	-8.5%
8/20	251.2	2,935.2	-9.7%	345.4	334.5	-9.3%
9/20	248.3	2,911.8	-10.7%	340.5	332.4	-9.8%

Source: U. S. Department of Transportation, Federal Highway Administration
U. S. Energy Information Administration

* All Sales/Deliveries by Prime Suppliers

COMPONENTS OF THE CPI INDEX
MONTHLY PERCENT CHANGES

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	CPI-U:	CPI-U:	CPI-U:	CPI-U:	Weekly	CPI-U:	PPI:	PPI:
<u>Month</u>	<u>All Items</u>	<u>Med. Care</u>	<u>Phys. Serv.</u>	<u>Hospital & Other Related Services</u>	<u>Income</u>	<u>Auto Bodywork</u>	<u>All Items</u>	<u>Metal/MPR</u>
1/2016	0.2%	0.7%	0.2%	0.9%	0.0%	0.1%	-0.5%	-0.4%
2/2016	0.1%	0.9%	0.3%	1.2%	-0.2%	0.4%	-0.7%	0.2%
3/2016	0.4%	0.1%	0.2%	-0.2%	0.3%	0.4%	0.4%	1.0%
4/2016	0.5%	0.3%	0.1%	0.2%	0.2%	0.1%	0.6%	1.3%
5/2016	0.4%	0.3%	0.9%	0.3%	0.1%	0.2%	1.1%	1.3%
6/2016	0.3%	0.2%	0.4%	-0.1%	0.3%	0.1%	1.2%	0.0%
7/2016	-0.2%	0.5%	0.6%	0.3%	0.2%	0.4%	0.1%	0.7%
8/2016	0.1%	0.9%	0.5%	1.2%	0.1%	0.0%	-0.6%	0.6%
9/2016	0.2%	0.2%	0.0%	0.1%	0.1%	-0.4%	0.2%	-0.8%
10/2016	0.1%	0.0%	-0.2%	0.3%	0.3%	1.0%	-0.1%	-0.7%
11/2016	-0.2%	0.0%	0.7%	0.0%	0.1%	1.0%	-0.2%	0.8%
12/2016	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.4%	1.0%	1.5%
1/2017	0.6%	0.5%	0.1%	0.7%	0.5%	0.2%	1.3%	1.4%
2/2017	0.3%	0.6%	0.1%	1.2%	0.2%	0.1%	0.5%	1.1%
3/2017	0.1%	0.0%	-0.4%	0.2%	-0.2%	0.4%	-0.1%	0.9%
4/2017	0.3%	-0.2%	-1.1%	0.7%	0.8%	0.4%	0.8%	0.2%
5/2017	0.1%	0.0%	-0.2%	-0.1%	-0.1%	0.0%	-0.1%	0.2%
6/2017	0.1%	0.2%	-0.4%	0.5%	0.6%	-0.4%	0.4%	0.1%
7/2017	-0.1%	0.4%	0.1%	0.3%	0.2%	0.1%	-0.1%	0.2%
8/2017	0.3%	0.2%	0.3%	0.0%	-0.2%	0.2%	0.2%	0.5%
9/2017	0.5%	-0.1%	0.0%	0.3%	0.4%	0.5%	0.5%	1.1%
10/2017	-0.1%	0.1%	0.0%	0.6%	0.2%	0.2%	0.1%	-0.4%
11/2017	0.0%	0.0%	-0.5%	0.1%	0.5%	0.0%	0.5%	0.0%
12/2017	-0.1%	0.1%	0.2%	0.1%	0.0%	0.1%	0.2%	0.5%
1/2018	0.5%	0.7%	0.4%	1.6%	0.0%	0.7%	0.8%	1.6%
2/2018	0.5%	0.4%	0.4%	0.4%	0.8%	0.4%	0.7%	0.8%
3/2018	0.2%	0.2%	0.1%	0.3%	0.1%	0.1%	0.0%	1.3%
4/2018	0.4%	0.0%	0.1%	0.1%	0.6%	0.2%	0.5%	1.5%
5/2018	0.4%	0.2%	0.1%	0.1%	0.3%	0.3%	1.4%	1.3%
6/2018	0.2%	0.2%	-0.1%	0.5%	0.3%	0.0%	0.5%	0.8%
7/2018	0.0%	-0.2%	-0.2%	0.2%	0.2%	0.0%	0.0%	-0.2%
8/2018	0.1%	-0.2%	-0.1%	-0.3%	0.4%	0.6%	-0.4%	-0.6%
9/2018	0.1%	0.1%	0.2%	0.0%	0.0%	0.0%	0.1%	-0.1%
10/2018	0.2%	0.1%	-0.1%	0.1%	0.2%	0.7%	0.5%	0.3%
11/2018	-0.3%	0.3%	-0.2%	0.4%	0.4%	0.0%	-1.1%	0.3%
12/2018	-0.3%	0.1%	0.0%	0.2%	0.4%	0.1%	-0.6%	0.3%
1/2019	0.2%	0.6%	0.6%	0.4%	0.4%	0.1%	-0.9%	-0.5%
2/2019	0.4%	0.2%	0.3%	0.1%	-0.2%	0.4%	0.1%	-0.1%
3/2019	0.6%	0.2%	-0.5%	0.1%	0.7%	0.0%	0.8%	0.7%
4/2019	0.5%	0.2%	0.3%	-0.4%	0.2%	1.0%	0.6%	-0.7%
5/2019	0.2%	0.3%	0.1%	0.2%	0.1%	0.1%	-0.2%	-1.1%
6/2019	0.0%	0.1%	0.1%	-0.2%	0.2%	0.8%	-0.7%	-1.3%
7/2019	0.2%	0.4%	0.1%	0.4%	0.0%	0.1%	0.2%	-0.2%
8/2019	0.0%	0.6%	0.0%	0.9%	0.7%	0.5%	-0.7%	-0.5%
9/2019	0.1%	0.1%	0.4%	0.0%	0.3%	0.6%	-0.4%	-0.5%
10/2019	0.2%	0.9%	0.1%	1.3%	0.3%	0.3%	0.1%	-0.8%
11/2019	-0.1%	0.3%	0.0%	0.2%	-0.1%	-0.1%	0.2%	-0.3%
12/2019	-0.1%	0.4%	0.0%	-0.1%	0.4%	0.4%	0.0%	0.6%
1/2020	0.4%	0.5%	-0.1%	1.2%	0.2%	-0.2%	0.2%	1.3%
2/2020	0.3%	0.3%	0.4%	0.4%	0.6%	0.2%	-1.3%	-0.6%
3/2020	-0.2%	0.3%	0.1%	0.2%	-0.3%	0.0%	-1.8%	0.3%
4/2020	-0.7%	0.3%	0.1%	0.4%	4.5%	1.4%	-3.9%	-1.5%
5/2020	0.0%	0.4%	0.6%	-0.1%	1.2%	0.4%	1.7%	-0.7%
6/2020	0.5%	0.3%	0.4%	0.1%	-1.3%	0.0%	1.4%	0.5%
7/2020	0.5%	0.4%	0.6%	0.2%	-0.4%	-0.3%	0.9%	0.3%
8/2020	0.3%	0.1%	0.0%	0.0%	0.9%	0.5%	0.6%	0.6%
9/2020	0.1%	-0.1%	-0.1%	0.5%	0.0%	0.7%	0.7%	2.1%

COMPONENTS OF THE CPI INDEX
ANNUAL PERCENT CHANGES

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	CPI-U:	CPI-U:	CPI-U:	CPI-U:	Weekly	CPI-U:	PPI:	PPI:
Month	All Items	Med. Care	Phys. Serv.	Hospital & Other Related Services	Income	Auto Bodywork	All Items	Metal/MPR
1/2016	1.4%	3.0%	2.3%	4.3%	2.1%	1.4%	-4.9%	-11.0%
2/2016	1.0%	3.5%	3.0%	4.9%	2.0%	2.1%	-5.1%	-8.9%
3/2016	0.9%	3.3%	2.5%	4.3%	2.2%	2.4%	-4.9%	-7.4%
4/2016	1.1%	3.0%	2.1%	3.1%	2.6%	2.2%	-4.0%	-5.6%
5/2016	1.0%	3.1%	3.0%	3.3%	2.3%	2.2%	-4.2%	-4.2%
6/2016	1.0%	3.5%	3.0%	4.1%	2.2%	2.4%	-3.7%	-3.9%
7/2016	0.8%	3.9%	3.4%	4.4%	2.3%	2.5%	-3.2%	-1.9%
8/2016	1.1%	4.9%	4.3%	5.8%	2.2%	2.8%	-2.8%	0.1%
9/2016	1.5%	4.9%	4.1%	5.6%	2.2%	2.4%	-1.2%	-0.1%
10/2016	1.6%	4.3%	4.0%	4.1%	2.1%	2.4%	-0.4%	0.5%
11/2016	1.7%	4.0%	3.6%	4.2%	2.1%	3.4%	0.3%	3.0%
12/2016	2.1%	4.1%	3.8%	4.3%	1.5%	2.9%	2.6%	5.7%
1/2017	2.5%	3.9%	3.8%	4.0%	2.0%	3.0%	4.4%	7.5%
2/2017	2.7%	3.5%	3.6%	4.1%	2.4%	2.7%	5.7%	8.4%
3/2017	2.4%	3.5%	3.0%	4.5%	1.9%	2.7%	5.2%	8.4%
4/2017	2.2%	3.0%	1.9%	5.1%	2.5%	2.9%	5.3%	7.2%
5/2017	1.9%	2.7%	0.8%	4.6%	2.3%	2.8%	4.0%	5.9%
6/2017	1.6%	2.7%	0.0%	5.3%	2.6%	2.2%	3.2%	6.1%
7/2017	1.7%	2.6%	-0.6%	5.3%	2.6%	1.9%	3.1%	5.6%
8/2017	1.9%	1.8%	-0.8%	4.1%	2.3%	2.1%	3.9%	5.6%
9/2017	2.2%	1.6%	-0.8%	4.3%	2.6%	3.1%	4.2%	7.6%
10/2017	2.0%	1.7%	-0.6%	4.5%	2.5%	2.3%	4.4%	8.0%
11/2017	2.2%	1.7%	-1.8%	4.7%	3.0%	1.3%	5.2%	7.0%
12/2017	2.1%	1.8%	-1.8%	4.7%	3.1%	1.9%	4.3%	5.9%
1/2018	2.1%	2.0%	-1.5%	5.6%	2.5%	2.4%	3.8%	6.1%
2/2018	2.2%	1.8%	-1.3%	4.7%	3.1%	2.7%	4.0%	5.9%
3/2018	2.4%	2.0%	-0.8%	4.9%	3.4%	2.4%	4.1%	6.4%
4/2018	2.5%	2.2%	0.3%	4.2%	3.1%	2.2%	3.8%	7.7%
5/2018	2.8%	2.4%	0.6%	4.5%	3.5%	2.5%	5.4%	8.9%
6/2018	2.9%	2.5%	0.9%	4.5%	3.2%	2.9%	5.5%	9.7%
7/2018	2.9%	1.9%	0.6%	4.3%	3.2%	2.9%	5.6%	9.2%
8/2018	2.7%	1.5%	0.3%	4.1%	3.7%	3.3%	5.0%	7.9%
9/2018	2.3%	1.7%	0.5%	3.7%	3.3%	2.7%	4.5%	6.7%
10/2018	2.5%	1.7%	0.4%	3.2%	3.2%	3.2%	5.0%	7.4%
11/2018	2.2%	2.0%	0.8%	3.5%	3.2%	3.2%	3.3%	7.8%
12/2018	1.9%	2.0%	0.6%	3.6%	3.5%	3.2%	2.4%	7.5%
1/2019	1.6%	1.9%	0.8%	2.4%	4.0%	2.5%	0.6%	5.4%
2/2019	1.5%	1.7%	0.7%	2.1%	2.9%	2.6%	-0.1%	4.4%
3/2019	1.9%	1.7%	0.1%	1.9%	3.5%	2.4%	0.8%	3.7%
4/2019	2.0%	1.9%	0.3%	1.4%	3.2%	3.2%	0.9%	1.5%
5/2019	1.8%	2.1%	0.3%	1.5%	3.0%	3.0%	-0.7%	-0.9%
6/2019	1.6%	2.0%	0.4%	0.8%	2.9%	3.9%	-1.9%	-3.0%
7/2019	1.8%	2.6%	0.7%	1.0%	2.7%	4.0%	-1.8%	-3.0%
8/2019	1.7%	3.5%	0.7%	2.2%	3.1%	3.9%	-2.1%	-2.8%
9/2019	1.7%	3.5%	0.9%	2.1%	3.4%	4.5%	-2.6%	-3.3%
10/2019	1.8%	4.3%	1.2%	3.4%	3.4%	4.1%	-2.9%	-4.3%
11/2019	2.1%	4.2%	1.4%	3.2%	2.9%	4.0%	-1.6%	-4.9%
12/2019	2.3%	4.6%	1.4%	2.9%	2.9%	4.4%	-1.0%	-4.5%
1/2020	2.5%	4.5%	0.7%	3.7%	2.7%	4.1%	0.1%	-2.8%
2/2020	2.3%	4.6%	0.8%	4.1%	3.6%	3.8%	-1.3%	-3.3%
3/2020	1.5%	4.7%	1.4%	4.2%	2.6%	3.8%	-3.8%	-3.6%
4/2020	0.3%	4.8%	1.2%	5.0%	7.0%	4.3%	-8.2%	-4.5%
5/2020	0.1%	4.9%	1.8%	4.6%	8.2%	4.5%	-6.5%	-4.1%
6/2020	0.6%	5.1%	2.1%	5.0%	6.6%	3.7%	-4.5%	-2.4%
7/2020	1.0%	5.0%	2.6%	4.7%	6.2%	3.3%	-3.9%	-1.9%
8/2020	1.3%	4.5%	2.7%	3.9%	6.4%	3.3%	-2.6%	-0.8%
9/2020	1.4%	4.2%	2.1%	4.5%	6.1%	3.4%	-1.5%	1.8%

CPI INDEX ALL ITEMS (URBAN) - LESS ENERGY
ANNUAL PERCENT CHANGE

	(1)	(2)		(1)	(2)
		Annual			Annual
<u>Month</u>	<u>Index</u>	<u>Percentage</u>	<u>Month</u>	<u>Index</u>	<u>Percentage</u>
		<u>Change</u>			<u>Change</u>
6/2014	2.381	2.0%	9/2017	2.520	1.6%
7/2014	2.382	2.0%	10/2017	2.526	1.7%
8/2014	2.385	1.9%	11/2017	2.524	1.7%
9/2014	2.390	1.9%	12/2017	2.525	1.7%
10/2014	2.396	2.0%	1/2018	2.536	1.8%
11/2014	2.395	1.9%	2/2018	2.546	1.8%
12/2014	2.392	1.9%	3/2018	2.553	2.0%
1/2015	2.397	1.9%	4/2018	2.558	2.0%
2/2015	2.404	1.9%	5/2018	2.561	2.1%
3/2015	2.411	1.8%	6/2018	2.563	2.1%
4/2015	2.418	1.8%	7/2018	2.565	2.2%
5/2015	2.420	1.7%	8/2018	2.567	2.1%
6/2015	2.423	1.8%	9/2018	2.571	2.1%
7/2015	2.424	1.8%	10/2018	2.577	2.0%
8/2015	2.427	1.8%	11/2018	2.577	2.1%
9/2015	2.435	1.9%	12/2018	2.578	2.1%
10/2015	2.441	1.9%	1/2019	2.589	2.1%
11/2015	2.440	1.9%	2/2019	2.598	2.1%
12/2015	2.437	1.9%	3/2019	2.605	2.0%
1/2016	2.445	2.0%	4/2019	2.609	2.0%
2/2016	2.455	2.1%	5/2019	2.612	2.0%
3/2016	2.459	2.0%	6/2019	2.617	2.1%
4/2016	2.465	2.0%	7/2019	2.621	2.1%
5/2016	2.469	2.0%	8/2019	2.626	2.3%
6/2016	2.471	2.0%	9/2019	2.630	2.3%
7/2016	2.470	1.9%	10/2019	2.635	2.3%
8/2016	2.475	2.0%	11/2019	2.635	2.3%
9/2016	2.479	1.8%	12/2019	2.635	2.2%
10/2016	2.484	1.8%	1/2020	2.645	2.2%
11/2016	2.483	1.7%	2/2020	2.657	2.3%
12/2016	2.482	1.8%	3/2020	2.659	2.1%
1/2017	2.491	1.9%	4/2020	2.655	1.7%
2/2017	2.501	1.9%	5/2020	2.655	1.6%
3/2017	2.503	1.8%	6/2020	2.661	1.7%
4/2017	2.507	1.7%	7/2020	2.671	1.9%
5/2017	2.509	1.6%	8/2020	2.681	2.1%
6/2017	2.510	1.6%	9/2020	2.683	2.0%
7/2017	2.510	1.6%			
8/2017	2.515	1.6%			

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
FOR 2020 BASE
CALCULATION OF MODEL YEAR RELATIVITY
BEFORE OCTOBER 1, 2020

Automobile Model Year	Comprehensive Exposure Distribution	Comprehensive Model Year Relativity	Collision Exposure Distribution	Collision Model Year Relativity
2020	0.054	1.000	0.054	1.000
2019	0.065	0.970	0.066	0.930
2018	0.071	0.930	0.073	0.870
2017	0.076	0.890	0.079	0.810
2016	0.079	0.860	0.084	0.750
2015	0.070	0.820	0.074	0.700
2014	0.070	0.780	0.074	0.660
2013	0.059	0.740	0.063	0.610
2012	0.051	0.710	0.054	0.570
2011 & PRIOR	0.405	0.650	0.379	0.470
(1) Average		0.774		0.654

AFTER OCTOBER 1, 2021 (INTRODUCTION OF 2022 MODEL)

Automobile Model Year	Comprehensive Exposure Distribution	Comprehensive Model Year Relativity	Collision Exposure Distribution	Collision Model Year Relativity
2022	0.051	1.050	0.052	1.110
2021	0.052	1.030	0.052	1.070
2020	0.047	1.000	0.048	1.000
2019	0.068	0.970	0.069	0.930
2018	0.078	0.930	0.080	0.870
2017	0.083	0.890	0.085	0.810
2016	0.086	0.860	0.090	0.750
2015	0.083	0.820	0.087	0.700
2014	0.069	0.780	0.073	0.660
2013	0.064	0.740	0.067	0.610
2012	0.052	0.710	0.054	0.570
2011 & PRIOR	0.267	0.650	0.243	0.470
(2) Average		0.820		0.726

AFTER OCTOBER 1, 2022 (INTRODUCTION OF 2023 MODEL)

Automobile Model Year	Comprehensive Exposure Distribution	Comprehensive Model Year Relativity	Collision Exposure Distribution	Collision Model Year Relativity
2023	0.053	1.070	0.053	1.150
2022	0.060	1.050	0.060	1.110
2021	0.057	1.030	0.058	1.070
2020	0.052	1.000	0.052	1.000
2019	0.074	0.970	0.076	0.930
2018	0.083	0.930	0.084	0.870
2017	0.088	0.890	0.090	0.810
2016	0.087	0.860	0.090	0.750
2015	0.083	0.820	0.086	0.700
2014	0.068	0.780	0.071	0.660
2013	0.062	0.740	0.064	0.610
2012	0.050	0.710	0.051	0.570
2011 & PRIOR	0.183	0.650	0.165	0.470
(3) Average		0.854		0.778

(4) Number of months from effective date to 10/1/2022: 12

(5) Average relativity based on an effective date of 10/1/2021:

Comp: $(0.82 \times 4) + 0.854 \times (12 - 4) / 12 =$

0.820

Coll: $(0.726 \times 4) + 0.778 \times (12 - 4) / 12 =$

0.726

(6) Model year trend factor:

Comp: $(5) / 0.774 =$

1.059

Coll: $(5) / 0.654 =$

1.110

NORTH CAROLINA
PRIVATE PASSENGER AUTOMOBILE INSURANCE
CALCULATION OF SYMBOL TREND FACTORS

A. Average Symbol Relativity of Experience Period:

Year ended	Comp	Coll
06/30/2019	2.134	1.506

B. Summary of Average Symbol Relativities by year-ended quarter for determining symbol trend for the prospective effective date.

Year ended	Comp	Coll
09/30/2021	2.276	1.547
12/31/2021	2.293	1.551
03/31/2022	2.308	1.555
06/30/2022	2.331	1.561
09/30/2022	2.345	1.566
12/31/2022	2.358	1.570
03/31/2023	2.372	1.573
06/30/2023	2.420	1.585
09/30/2023	2.440	1.591
12/31/2023	2.465	1.597

C. Proposed Projection Date: 7/16/2022

D. Number of months to next year ended quarter (in B above) 2.47

E. Average Symbol Relativity as of prior year ended quarter:

Year ended	Comp	Coll
06/30/2022	2.331	1.561

F. Average Symbol Relativity as of next year ended quarter:

Year ended	Comp	Coll
09/30/2022	2.345	1.566

G. Average Symbol Relativity as of Projection Date (Date in C above):

$$(D/3)(E) + ((3-D)/3)(F) = \text{Avg. Sym. Rel.}$$

$$\begin{aligned} \text{COMP } (2.47 / 3) \quad 2.331 \quad + \quad (0.53 / 3) \quad 2.345 \quad = \quad 2.333 \\ \text{COLL: } (2.47 / 3) \quad 1.561 \quad + \quad (0.53 / 3) \quad 1.566 \quad = \quad 1.562 \end{aligned}$$

H. Symbol Trend Factors: (G)/(A) Year-Ended Comp: 2.333 / 2.134 = 1.093
12/31/2019 Coll: 1.562 / 1.506 = 1.037

I. Annualized Trends: (H)^(1 / 3.04) Year-Ended Comp: 3.0%
12/31/2019 Coll: 1.2%

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Bodily Injury Total Limits Incurred Losses as of

Accident Year	15 Months	27 Months	39 Months	51 Months	63 Months
2006					757,537,429
2007				771,660,808	770,562,365
2008			752,606,768	754,898,979	751,043,783
2009		805,971,456	822,808,711	824,559,586	822,482,993
2010	749,121,544	811,793,162	821,767,319	822,060,565	821,124,171
2011	769,451,348	809,237,586	819,356,952	822,867,717	821,035,146
2012	782,355,728	819,333,294	828,252,158	829,183,979	829,247,603
2013	767,539,013	810,001,710	823,606,963	830,776,045	831,041,201
2014	766,619,149	824,010,768	843,963,491	854,080,792	855,347,231
2015	810,170,619	893,472,461	927,185,682	934,047,917	934,963,613
2016	873,185,589	964,085,454	994,763,384	1,002,831,167	
2017	842,233,368	937,896,036	967,659,782		
2018	826,188,078	935,767,785			
2019	869,981,940				

Loss Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2007				0.999
2008			1.003	0.995
2009		1.021	1.002	0.997
2010	1.084	1.012	1.000	0.999
2011	1.052	1.013	1.004	0.998
2012	1.047	1.011	1.001	1.000
2013	1.055	1.017	1.009	1.000
2014	1.075	1.024	1.012	1.001
2015	1.103	1.038	1.007	1.001
2016	1.104	1.032	1.008	
2017	1.114	1.032		
2018	1.133			
Five Year Average	1.106	1.029	1.007	1.000
Three Year Average	1.117	1.034	1.009	1.001
		Five Year	Three Year	
39 to 63 months:		1.007	1.010	
27 to 63 months:		1.036	1.044	
15 to 63 months:		1.146	1.166	

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Property Damage Total Limits Incurred Losses as of

Accident Year	15 Months	27 Months	39 Months	51 Months	63 Months
2006					602,092,739
2007				608,672,244	608,562,434
2008			608,059,698	608,308,805	608,233,572
2009		614,178,970	615,294,078	615,667,679	615,821,799
2010	618,016,628	629,572,991	631,101,652	631,458,376	631,388,802
2011	625,138,655	638,695,426	640,592,815	641,067,759	642,042,165
2012	655,991,128	674,387,749	678,278,339	679,160,845	679,064,830
2013	694,412,102	717,673,256	720,693,872	721,060,440	721,050,475
2014	750,059,297	771,956,718	774,338,590	775,090,826	774,804,431
2015	835,697,530	867,811,745	870,763,151	871,849,406	870,047,809
2016	917,595,695	956,268,680	960,603,932	959,609,415	
2017	946,840,760	981,256,188	982,879,581		
2018	971,332,877	1,015,730,687			
2019	1,056,933,540				

Loss Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2007				1.000
2008			1.000	1.000
2009		1.002	1.001	1.000
2010	1.019	1.002	1.001	1.000
2011	1.022	1.003	1.001	1.002
2012	1.028	1.006	1.001	1.000
2013	1.033	1.004	1.001	1.000
2014	1.029	1.003	1.001	1.000
2015	1.038	1.003	1.001	0.998
2016	1.042	1.005	0.999	
2017	1.036	1.002		
2018	1.046			

Five Year Average	1.038	1.003	1.001	1.000
Three Year Average	1.041	1.003	1.000	0.999

Five Year

Three Year

39 to 63 months:	1.001	0.999
27 to 63 months:	1.004	1.002
15 to 63 months:	1.042	1.043

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Medical Payments Total Limits Incurred Losses as of

Accident Year	15 Months	27 Months	39 Months	51 Months	63 Months
2006					94,087,739
2007				93,617,508	93,731,836
2008			92,528,555	93,071,581	93,094,942
2009		99,396,195	100,919,154	101,171,878	101,257,049
2010	95,856,365	97,322,444	98,714,615	99,127,621	99,286,154
2011	93,143,438	96,316,801	97,215,011	97,814,666	98,115,360
2012	93,244,145	96,618,132	98,306,929	98,910,915	98,689,925
2013	92,538,232	95,842,790	97,860,162	97,858,080	98,046,357
2014	90,997,474	95,512,681	96,851,396	97,650,027	97,727,825
2015	95,948,353	100,420,856	102,971,324	103,648,834	103,718,138
2016	102,264,187	106,966,826	108,894,516	109,495,909	
2017	99,064,485	102,156,647	103,650,319		
2018	93,139,589	96,990,413			
2019	92,638,083				

Loss Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2007				1.001
2008			1.006	1.000
2009		1.015	1.003	1.001
2010	1.015	1.014	1.004	1.002
2011	1.034	1.009	1.006	1.003
2012	1.036	1.017	1.006	0.998
2013	1.036	1.021	1.000	1.002
2014	1.050	1.014	1.008	1.001
2015	1.047	1.025	1.007	1.001
2016	1.046	1.018	1.006	
2017	1.031	1.015		
2018	1.041			
Five Year Average	1.043	1.019	1.005	1.001
Three Year Average	1.039	1.019	1.007	1.001
		Five Year	Three Year	
39 to 63 months:		1.006	1.008	
27 to 63 months:		1.025	1.027	
15 to 63 months:		1.069	1.067	

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Accident Year	Uninsured Motorists Bodily Injury Total Limits Incurred Losses as of				
	15 Months	27 Months	39 Months	51 Months	63 Months
2008			45,188,593	44,820,473	44,572,390
2009		46,430,291	47,596,661	48,074,928	47,913,020
2010	38,794,256	42,305,218	42,618,169	42,891,595	42,707,631
2011	39,297,897	42,214,858	42,733,420	43,201,151	43,315,810
2012	40,489,188	41,520,729	43,130,211	42,949,643	42,838,388
2013	37,619,826	42,529,675	42,790,601	44,064,436	42,856,707
2014	37,440,221	39,852,172	41,440,067	41,057,268	40,880,373
2015	43,114,850	49,545,130	49,788,808	50,449,098	50,503,115
2016	50,187,250	54,598,670	55,357,415	55,682,449	
2017	59,216,888	62,694,056	64,088,447		
2018	59,970,070	64,683,009			
2019	65,286,812				

Loss Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2008			0.992	0.994
2009		1.025	1.010	0.997
2010	1.091	1.007	1.006	0.996
2011	1.074	1.012	1.011	1.003
2012	1.025	1.039	0.996	0.997
2013	1.131	1.006	1.030	0.973
2014	1.064	1.040	0.991	0.996
2015	1.149	1.005	1.013	1.001
2016	1.088	1.014	1.006	
2017	1.059	1.022		
2018	1.079			
Five Year Average	1.088	1.017	1.007	0.994
Three Year Average	1.075	1.014	1.003	0.990
		Five Year	Three Year	
39 to 63 months:		1.001	0.993	
27 to 63 months:		1.018	1.007	
15 to 63 months:		1.108	1.083	

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Accident Year	Uninsured Motorists Property Damage Total Limits Incurred Losses as of				
	15 Months	27 Months	39 Months	51 Months	63 Months
2008			9,916,835	9,921,650	9,952,367
2009		8,862,996	8,757,194	8,630,307	8,551,905
2010	9,185,077	8,771,415	8,492,821	8,372,137	8,312,198
2011	9,202,891	9,077,069	8,952,159	9,122,412	9,130,110
2012	9,174,333	8,836,530	8,710,242	8,745,025	8,529,582
2013	9,910,271	9,388,283	9,233,329	9,131,699	9,075,803
2014	10,165,600	9,893,426	9,686,580	9,504,738	9,431,891
2015	12,671,513	12,313,034	12,017,963	11,908,159	11,719,982
2016	14,773,364	14,167,281	13,857,930	13,645,626	
2017	17,220,241	16,486,598	16,157,815		
2018	16,872,864	16,089,211			
2019	17,271,906				

Loss Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2008			1.000	1.003
2009		0.988	0.986	0.991
2010	0.955	0.968	0.986	0.993
2011	0.986	0.986	1.019	1.001
2012	0.963	0.986	1.004	0.975
2013	0.947	0.983	0.989	0.994
2014	0.973	0.979	0.981	0.992
2015	0.972	0.976	0.991	0.984
2016	0.959	0.978	0.985	
2017	0.957	0.980		
2018	0.954			
Five Year Average	0.963	0.979	0.990	0.989
Three Year Average	0.957	0.978	0.986	0.990
		Five Year	Three Year	
39 to 63 months:		0.979	0.976	
27 to 63 months:		0.958	0.955	
15 to 63 months:		0.923	0.914	

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Accident Year	Underinsured Motorists Bodily Injury Total Limits Incurred Losses as of				
	15 Months	27 Months	39 Months	51 Months	63 Months
2008			66,471,314	66,685,860	66,212,828
2009		65,865,356	74,013,465	77,507,901	77,428,375
2010	44,504,567	64,908,685	72,849,253	76,038,277	75,505,050
2011	49,802,607	70,547,071	77,018,627	79,651,542	78,667,941
2012	49,392,980	64,491,829	70,101,556	75,074,826	74,933,697
2013	48,516,657	65,916,109	77,927,626	80,971,235	79,597,833
2014	43,693,017	61,021,239	68,443,875	73,531,964	72,293,014
2015	49,509,530	67,578,350	78,698,144	85,580,844	85,083,473
2016	53,314,671	72,657,073	84,270,802	90,022,478	
2017	51,881,053	78,772,635	91,623,289		
2018	51,585,012	77,368,545			
2019	56,917,151				

Accident Year	Loss Development Factors			
	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2008			1.003	0.993
2009		1.124	1.047	0.999
2010	1.458	1.122	1.044	0.993
2011	1.417	1.092	1.034	0.988
2012	1.306	1.087	1.071	0.998
2013	1.359	1.182	1.039	0.983
2014	1.397	1.122	1.074	0.983
2015	1.365	1.165	1.087	0.994
2016	1.363	1.160	1.068	
2017	1.518	1.163		
2018	1.500			

Five Year Average	1.429	1.158	1.068	0.989
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Three Year Average	1.460	1.163	1.076	0.987
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	Five Year	Three Year
39 to 63 months:	1.056	1.062
27 to 63 months:	1.223	1.235
15 to 63 months:	1.748	1.803

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Bodily Injury Basic Limits Incurred Losses as of

Accident Year	15 Months	27 Months	39 Months	51 Months	63 Months
2006					620,816,005
2007				629,464,168	630,359,444
2008			616,157,149	617,857,848	617,481,470
2009		666,202,319	675,496,873	677,961,158	678,378,046
2010	639,377,892	670,309,948	674,985,532	677,413,856	677,391,262
2011	654,278,886	671,130,623	676,256,932	679,413,783	679,001,826
2012	663,780,028	675,959,052	681,148,421	682,100,471	683,645,062
2013	659,776,040	675,365,278	679,850,899	688,465,873	686,687,252
2014	654,759,462	685,511,442	699,316,996	703,227,016	707,826,806
2015	696,388,761	744,161,515	764,655,824	767,752,936	768,941,328
2016	746,254,527	803,385,854	820,194,385	823,929,639	
2017	720,842,437	779,117,099	794,316,931		
2018	703,666,187	773,437,055			
2019	738,594,513				

Loss Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2007				1.001
2008			1.003	0.999
2009		1.014	1.004	1.001
2010	1.048	1.007	1.004	1.000
2011	1.026	1.008	1.005	0.999
2012	1.018	1.008	1.001	1.002
2013	1.024	1.007	1.013	0.997
2014	1.047	1.020	1.006	1.007
2015	1.069	1.028	1.004	1.002
2016	1.077	1.021	1.005	
2017	1.081	1.020		
2018	1.099			

Five Year Average	1.075	1.019	1.006	1.001
Three Year Average	1.086	1.023	1.005	1.002

Five Year

Three Year

39 to 63 months:	1.007	1.007
27 to 63 months:	1.026	1.030
15 to 63 months:	1.103	1.119

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Property Damage Basic Limits Incurred Losses as of

Accident Year	15 Months	27 Months	39 Months	51 Months	63 Months
2006					597,935,823
2007				604,144,875	604,051,595
2008			603,066,452	603,284,796	603,225,683
2009		609,446,256	610,523,213	610,899,239	611,030,537
2010	613,312,535	625,276,689	626,714,405	627,058,274	626,732,185
2011	620,421,933	633,888,047	635,716,024	636,104,411	636,935,467
2012	650,831,743	668,507,250	672,154,949	672,672,573	672,828,719
2013	687,781,171	711,283,573	713,953,296	714,435,768	714,454,874
2014	742,337,687	763,487,631	765,503,500	766,476,520	766,429,387
2015	825,271,105	856,359,697	859,583,993	860,538,054	858,733,663
2016	905,529,154	943,611,862	947,762,013	946,401,199	
2017	933,429,513	966,862,089	968,399,526		
2018	956,716,106	999,951,129			
2019	1,040,291,321				

Loss Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2007				1.000
2008			1.000	1.000
2009		1.002	1.001	1.000
2010	1.020	1.002	1.001	0.999
2011	1.022	1.003	1.001	1.001
2012	1.027	1.005	1.001	1.000
2013	1.034	1.004	1.001	1.000
2014	1.028	1.003	1.001	1.000
2015	1.038	1.004	1.001	0.998
2016	1.042	1.004	0.999	
2017	1.036	1.002		
2018	1.045			

Five Year Average	1.038	1.003	1.001	1.000
Three Year Average	1.041	1.003	1.000	0.999

Five Year

Three Year

39 to 63 months:	1.001	0.999
27 to 63 months:	1.004	1.002
15 to 63 months:	1.042	1.043

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Accident Year	Uninsured Motorists Bodily Injury Basic Limits(a) Incurred Losses as of				
	15 Months	27 Months	39 Months	51 Months	63 Months
2008			35,314,601	35,156,235	35,012,875
2009		37,369,920	37,963,896	38,083,171	37,977,566
2010	33,128,529	34,513,310	35,048,748	34,996,530	34,900,303
2011	33,335,832	34,525,752	34,640,963	34,554,529	34,696,103
2012	33,462,492	33,713,284	34,551,106	34,514,725	34,418,519
2013	31,183,302	33,275,890	32,971,225	33,695,834	33,010,126
2014	30,948,844	31,151,202	32,217,243	31,814,626	31,952,970
2015	35,450,475	38,170,333	38,376,371	38,649,936	38,378,145
2016	42,059,845	43,766,184	43,967,090	43,951,039	
2017	47,442,452	49,486,229	50,078,212		
2018	49,076,795	51,993,805			
2019	52,416,650				

Accident Year	Loss Development Factors			
	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2008			0.996	0.996
2009		1.016	1.003	0.997
2010	1.042	1.016	0.999	0.997
2011	1.036	1.003	0.998	1.004
2012	1.007	1.025	0.999	0.997
2013	1.067	0.991	1.022	0.980
2014	1.007	1.034	0.988	1.004
2015	1.077	1.005	1.007	0.993
2016	1.041	1.005	1.000	
2017	1.043	1.012		
2018	1.059			

Five Year Average	1.045	1.009	1.003	0.996
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Three Year Average	1.048	1.007	0.998	0.992
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	Five Year	Three Year
39 to 63 months:	0.999	0.990
27 to 63 months:	1.008	0.997
15 to 63 months:	1.053	1.045

(a) Losses are on a 30/60 level for all years.

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
LOSS DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Accident Year	Uninsured Motorists Property Damage Basic Limits(a) Incurred Losses as of				
	15 Months	27 Months	39 Months	51 Months	63 Months
2008			9,532,457	9,530,747	9,473,651
2009		8,726,638	8,590,737	8,463,128	8,385,448
2010	8,797,980	8,384,004	8,111,207	7,990,523	7,930,584
2011	9,193,468	8,689,126	8,535,821	8,497,548	8,472,947
2012	8,892,102	8,515,853	8,390,011	8,324,069	8,209,351
2013	9,894,719	9,367,736	9,219,627	9,117,997	9,062,101
2014	10,267,177	9,861,175	9,620,272	9,433,861	9,361,014
2015	12,557,032	12,111,090	11,826,946	11,709,690	11,559,456
2016	14,713,589	14,112,082	13,802,573	13,590,269	
2017	17,081,106	16,363,322	16,067,055		
2018	16,743,992	15,970,618			
2019	17,189,051				

Accident Year	Loss Development Factors			
	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2008			1.000	0.994
2009		0.984	0.985	0.991
2010	0.953	0.967	0.985	0.992
2011	0.945	0.982	0.996	0.997
2012	0.958	0.985	0.992	0.986
2013	0.947	0.984	0.989	0.994
2014	0.960	0.976	0.981	0.992
2015	0.964	0.977	0.990	0.987
2016	0.959	0.978	0.985	
2017	0.958	0.982		
2018	0.954			

Five Year Average	0.959	0.979	0.987	0.991
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Three Year Average	0.957	0.979	0.985	0.991
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	Five Year	Three Year
39 to 63 months:	0.978	0.976
27 to 63 months:	0.957	0.956
15 to 63 months:	0.918	0.915

(a) Losses are on a \$25,000 level for all years.

Losses exclude unallocated loss adjustment expense.

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
CLAIM DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Accident Year	Bodily Injury Incurred Claims as of				
	15 Months	27 Months	39 Months	51 Months	63 Months
2006					98,575
2007				96,531	96,427
2008			94,987	94,889	94,709
2009		101,985	101,909	101,763	101,663
2010	103,423	101,382	101,167	101,204	101,074
2011	101,059	98,822	98,815	98,791	98,767
2012	103,514	101,955	102,282	102,323	102,291
2013	102,357	100,878	100,801	101,164	101,039
2014	102,497	101,370	102,058	102,092	101,936
2015	112,037	112,450	112,782	112,844	112,430
2016	115,451	114,803	114,710	114,536	
2017	106,244	104,863	105,031		
2018	99,714	99,078			
2019	101,155				

Claim Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2007				0.999
2008			0.999	0.998
2009		0.999	0.999	0.999
2010	0.980	0.998	1.000	0.999
2011	0.978	1.000	1.000	1.000
2012	0.985	1.003	1.000	1.000
2013	0.986	0.999	1.004	0.999
2014	0.989	1.007	1.000	0.998
2015	1.004	1.003	1.001	0.996
2016	0.994	0.999	0.998	
2017	0.987	1.002		
2018	0.994			
Five Year Average	0.994	1.002	1.001	0.999
Three Year Average	0.992	1.001	1.000	0.998
		Five Year	Three Year	
39 to 63 months:		1.000	0.998	
27 to 63 months:		1.002	0.999	
15 to 63 months:		0.996	0.991	

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
CLAIM DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Accident Year	Property Damage Incurred Claims as of				
	15 Months	27 Months	39 Months	51 Months	63 Months
2006					243,117
2007				241,869	241,865
2008			235,819	235,861	235,854
2009		242,920	243,130	243,171	243,185
2010	247,599	250,117	250,319	250,372	250,314
2011	244,106	245,749	246,014	246,049	246,577
2012	250,561	252,645	253,677	253,891	253,879
2013	248,714	252,721	253,124	253,217	253,223
2014	256,120	258,699	259,204	259,288	259,219
2015	275,692	281,473	281,894	281,974	281,499
2016	287,326	291,784	292,458	291,953	
2017	276,679	281,213	281,114		
2018	269,105	274,155			
2019	274,102				

Accident Year	Claim Development Factors			
	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2007				1.000
2008			1.000	1.000
2009		1.001	1.000	1.000
2010	1.010	1.001	1.000	1.000
2011	1.007	1.001	1.000	1.002
2012	1.008	1.004	1.001	1.000
2013	1.016	1.002	1.000	1.000
2014	1.010	1.002	1.000	1.000
2015	1.021	1.001	1.000	0.998
2016	1.016	1.002	0.998	
2017	1.016	1.000		
2018	1.019			

Five Year Average	1.016	1.001	1.000	1.000
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Three Year Average	1.017	1.001	0.999	0.999
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	Five Year	Three Year
39 to 63 months:	1.000	0.998
27 to 63 months:	1.001	0.999
15 to 63 months:	1.017	1.016

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
CLAIM DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Medical Payments Incurred Claims as of

Accident Year	15 Months	27 Months	39 Months	51 Months	63 Months
2006					57,672
2007				55,395	55,407
2008			53,951	54,057	54,046
2009		57,291	57,760	57,830	57,831
2010	54,593	55,893	56,290	56,370	56,968
2011	52,665	54,248	54,595	54,702	54,761
2012	52,323	54,022	54,398	54,527	54,538
2013	50,822	52,516	53,018	53,189	53,214
2014	49,541	51,548	52,146	52,309	52,320
2015	51,586	54,207	54,931	55,131	55,123
2016	55,321	57,753	58,333	58,485	
2017	51,796	53,642	54,165		
2018	47,759	49,838			
2019	46,649				

Claim Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2007				1.000
2008			1.002	1.000
2009		1.008	1.001	1.000
2010	1.024	1.007	1.001	1.011
2011	1.030	1.006	1.002	1.001
2012	1.032	1.007	1.002	1.000
2013	1.033	1.010	1.003	1.000
2014	1.041	1.012	1.003	1.000
2015	1.051	1.013	1.004	1.000
2016	1.044	1.010	1.003	
2017	1.036	1.010		
2018	1.044			
Five Year Average	1.043	1.011	1.003	1.000
Three Year Average	1.041	1.011	1.003	1.000
		Five Year	Three Year	
39 to 63 months:		1.003	1.003	
27 to 63 months:		1.014	1.014	
15 to 63 months:		1.058	1.056	

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
CLAIM DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Uninsured Motorists Bodily Injury Incurred Claims as of

Accident Year	15 Months	27 Months	39 Months	51 Months	63 Months
2008			5,639	5,619	5,613
2009		6,186	6,204	6,201	6,181
2010	5,796	5,814	5,820	5,792	5,829
2011	5,613	5,654	5,648	5,651	5,676
2012	5,543	5,529	5,600	5,627	5,636
2013	4,986	5,097	5,100	5,128	5,115
2014	4,810	4,906	4,970	4,967	4,960
2015	5,550	5,757	5,738	5,750	5,702
2016	6,335	6,402	6,394	6,350	
2017	6,652	6,588	6,556		
2018	6,397	6,415			
2019	6,406				

Claim Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2008			0.996	0.999
2009		1.003	1.000	0.997
2010	1.003	1.001	0.995	1.006
2011	1.007	0.999	1.001	1.004
2012	0.997	1.013	1.005	1.002
2013	1.022	1.001	1.005	0.997
2014	1.020	1.013	0.999	0.999
2015	1.037	0.997	1.002	0.992
2016	1.011	0.999	0.993	
2017	0.990	0.995		
2018	1.003			
Five Year Average	1.012	1.001	1.001	0.999
Three Year Average	1.001	0.997	0.998	0.996
		Five Year	Three Year	
39 to 63 months:		1.000	0.994	
27 to 63 months:		1.001	0.991	
15 to 63 months:		1.013	0.992	

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
CLAIM DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Uninsured Motorists Property Damage Incurred Claims as of

Accident Year	15 Months	27 Months	39 Months	51 Months	63 Months
2008			7,714	7,687	7,700
2009		7,463	7,443	7,478	7,476
2010	7,062	7,140	7,150	7,133	7,161
2011	6,949	7,020	7,005	7,037	7,070
2012	7,113	7,230	7,386	7,450	7,499
2013	6,815	7,015	7,043	7,062	7,074
2014	6,680	6,879	6,901	6,915	6,920
2015	7,788	8,062	8,072	8,096	8,036
2016	9,341	9,586	9,627	9,591	
2017	10,709	11,082	11,072		
2018	10,698	10,976			
2019	10,932				

Claim Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2008			0.996	1.002
2009		0.997	1.005	1.000
2010	1.011	1.001	0.998	1.004
2011	1.010	0.998	1.005	1.005
2012	1.016	1.022	1.009	1.007
2013	1.029	1.004	1.003	1.002
2014	1.030	1.003	1.002	1.001
2015	1.035	1.001	1.003	0.993
2016	1.026	1.004	0.996	
2017	1.035	0.999		
2018	1.026			
Five Year Average	1.030	1.002	1.003	1.002
Three Year Average	1.029	1.001	1.000	0.999
		Five Year	Three Year	
39 to 63 months:		1.005	0.999	
27 to 63 months:		1.007	1.000	
15 to 63 months:		1.037	1.029	

NORTH CAROLINA
AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER CARS
CLAIM DEVELOPMENT

All Carriers

Voluntary and Ceded Combined

Underinsured Motorists Bodily Injury Incurred Claims as of

Accident Year	15 Months	27 Months	39 Months	51 Months	63 Months
2008			1,712	1,736	1,677
2009		1,680	1,885	1,907	1,850
2010	1,203	1,661	1,829	1,897	1,831
2011	1,323	1,735	1,907	1,959	1,884
2012	1,290	1,678	1,803	1,831	1,788
2013	1,209	1,612	1,834	1,909	1,816
2014	1,150	1,572	1,757	1,851	1,769
2015	1,336	1,718	1,935	2,004	1,926
2016	1,579	1,946	2,232	2,274	
2017	1,512	2,096	2,327		
2018	1,518	2,041			
2019	1,644				

Claim Development Factors

Accident Year	15-27 Mo.	27-39 Mo.	39-51 Mo.	51-63 Mo.
2008			1.014	0.966
2009		1.122	1.012	0.970
2010	1.381	1.101	1.037	0.965
2011	1.311	1.099	1.027	0.962
2012	1.301	1.074	1.016	0.977
2013	1.333	1.138	1.041	0.951
2014	1.367	1.118	1.054	0.956
2015	1.286	1.126	1.036	0.961
2016	1.232	1.147	1.019	
2017	1.386	1.110		
2018	1.345			
Five Year Average	1.323	1.128	1.033	0.961
Three Year Average	1.321	1.128	1.036	0.956
		Five Year	Three Year	
39 to 63 months:		0.993	0.990	
27 to 63 months:		1.120	1.117	
15 to 63 months:		1.482	1.476	