OLIVER WYMAN

NOVA SCOTIA COMMERCIAL VEHICLES

OLIVER WYMAN SELECTED LOSS TREND RATES

Based on Insurance Industry Data
Through December 31, 2019

August 4, 2020

CONTENTS

1. EXECUTIVE SUMMARY

1.1. Purpose and Scope

The Nova Scotia Utility and Review Board (the Board) retained Oliver, Wyman Limited (Oliver Wyman) to determine commercial vehicle loss trend rates and reform parameters.

We developed our analysis using insurance industry commercial vehicles loss and expense experience reported as of December 31, 2019 in Nova Scotia to the General Insurance Statistical Agency (GISA).

1.2. Actuarial Findings

In this report we present our selected past and future annual loss cost trend rates based on industry data as of December 31, 2019. In addition, we present our estimate of the impact of 2010 and 2012 reform changes on both the level of claims and loss cost trend rates.

In Table 1, we present our annual loss cost trend rates:

Table 1: Selected Loss Cost Trends

Coverage	Past Loss Cost	Future Loss Cost
Bodily Injury	+4.5%	+4.5%
Property Damage incl DCPD	0.0%	+0.0%
Accident Benefits	0.0%	+0.0%
Collision	+6.0%	+4.5%
Comprehensive	+3.0%	+3.0%
Specified Perils	+3.0%	+3.0%
All Perils	+5.0%	+4.0%

We discuss and present our methodology and assumptions in selecting our trend rates in this report.

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We developed the estimates in this report in accordance with the Principles promulgated by the Casualty Actuarial Society and the applicable Actuarial Standards of Practice issued by the Actuarial Standards Board (Canada).

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2. LEGISLATIVE REFORMS AND GOVERNMENT ACTIONS

2.1. History of Reforms

In 2003 the Nova Scotia government introduced Automobile Insurance Tort Recovery Limitation Regulations under Section 113B of the Insurance Act which limited the pain and suffering award to $2,500 on claimants who met the "minor injury" definition introduced with the Minor Injury Regulations.

The Minor Injury Regulations were subject to a constitutional challenge and these challenges affected the bodily injury data during this period of uncertainty. The Minor Injury Regulations were ultimately upheld.

- In Hartling v. Nova Scotia, the Decision by Justice Goodfellow of the Supreme Court of Nova Scotia was released on December 15, 2009 to uphold the Minor Injury Regulation.
- Subsequently, on May 27, 2010, the Supreme Court of Canada released its Decision to refuse leave to appeal.

2.2. Bill 52 - Minor Injury Regulations Update

In 2010, the Nova Scotia government introduced Bill 52 which affected the minor injury cap on pain and suffering awards resulting from automobile accidents. The following reforms were effective April 28, 2010.

- The definition of "minor injury" was changed to be less complex and was restricted to only include strains, sprains, and whiplash-associated disorders.
- The minor injury cap on pain and suffering awards was increased from $2,500 to $7,500 and then subject to an inflation index thereafter.

2.3. Fair Insurance Reforms

Based on recommendation from the 2011 independent auto insurance review, Nova Scotia introduced a package of reforms with the goal of better coverage and more choice for Nova Scotians while striking the right balance between fairness, stability and affordability.

The first phase of the reform was effective April 1, 2012 and included higher accident benefit limits as presented in Table 2.

Table 2: Change in Accident Benefit Limits

Benefit Category	Previous Benefit	New Benefit (as of April 1, 2012)
Medical and Rehabilitation Expenses	$25,000	$50,000
Funeral Expenses	$1,000	$2,500
Death Benefits		
Head of Household	$10,000	$25,000
Spouse of Head of Household	$10,000	$25,000
Dependent	$2,000	$5,000
Loss of Income	$140/week	$250/week
Principal Unpaid Housekeeper	$70/week	$100/week

The second, and final, phase of the reform was effective April 1, 2013 and included the introduction of the direct compensation for property damage coverage; allowing not at fault drivers to recover damages caused by collision from their own insurer.

3. ANALYSIS – GENERAL DISCUSSION

3.1. Introduction

In the sections that follow we present:

- an analysis and discussion of industry loss development factors, trend rates and reform factors;
- rationale for the assumptions, factors, provisions, and calculations that we present, as well as information to help the board evaluate their reasonableness; and
- supporting summary exhibits that present the data we used and analysis we performed.

3.2. Data

The source for the exposures (number of vehicles), claim count and claim amount data that we analyze is the 2019 AUTO7002 Automobile Industry Exhibit (as of December 31, 2019) provided by GISA. This data includes the experience of all commercial vehicles in Nova Scotia. We refer to this as the AIX report.

Consistent with the reports published by GISA (and to increase the volume of data), fleet vehicles are included. However, there has been a change in the reporting of fleet vehicles. GISA states:

> "*Effective July 1, 2019, the ASP revised the definition of Type of Business 3 -Fleet rated vehicles. As a result, a number of companies that previously reported Type of Business 4 – Individually rated Fleets (data included in the Exhibit) are now reporting this data as Type of Business 3 (data NOT included in the Exhibit). This has resulted in a DECREASE in Written Exposure and Written Premium starting in Accident Year 2019-2. Users should take note of this shift and exercise caution when using this data.*"

The claim count and claim amount data presented in the AIX report is grouped according to the date of the accident half-year during which the event occurred.

The claim amount data that is available through the AIX report is in two categories:

- Paid Claim Amounts – claim cost payments made by an insurance company; includes payments that were made on claims that are now closed, as well as payments made on claims that are still open (referred to as partial payments).
- Case Reserves – the adjuster's estimate of the amount of future claim cost payments to be made on individual claims; a case reserve is assigned to each individual open claim.

The total of the paid claim amounts made on each closed or open claim and the case reserve carried on each open claim is referred to as reported incurred claim amounts.

The case reserves (and hence the reported incurred claim amounts) reflect the views and opinions of the respective insurance company claim adjusters that handle the individual claims and are based on the information available to the claim adjusters as of a point in time. Over time, the case reserves are revised by the claim adjusters to more accurately reflect the payments that are made or that are expected to be made based on additional information that becomes available to the claim adjusters.

It is important to note two points about case reserves:

1. Insurance companies' determination of case reserves varies from company to company. For example, it is typical for insurance companies to instruct their claim adjusters to post a pre-set amount (e.g., $10,000 for bodily injury claims) as the case reserve when a claim is first reported and before any investigation is performed. This is referred to as the "initial claim reserve." In a sense, the initial claim reserve serves as a placeholder until investigation is conducted and a more accurate estimate can be established by the claim adjusters. For those companies that follow this approach, the amount of the initial case reserve and the length of time the initial claim reserve remains posted varies by company and, for a particular company, could change over time.
2. The case reserves do not reflect the "actuarial reserve" (also referred to as the bulk reserve or the IBNR reserve) that insurance companies record in their financial statements. This actuarial reserve, which is estimated by the insurance company actuaries, is an aggregate amount that is intended to provide for (i) any overall inadequacies or redundancies in the case reserves that are established on individual claims, and (ii) claims (accidents) that occurred but have not yet been reported to the insurance company as of the time of the financial statement. The approach that insurance companies (their actuaries) use to determine the "actuarial reserve," while subject to the common standards of the Actuarial Standards Board (Canada), varies from company to company.

3.3. Estimating Ultimate Claim Counts and Ultimate Claim Amounts by Accident Half-Year – General Approach

We estimate the final (ultimate) number and cost[1] of all claims that arise from events that occur in the first and second half of the year (referred to as "accident half-years"[2]), separately, through to December 31, 2019 and then use those estimates to measure and select loss trend rates.

We estimate the final/ultimate claim cost by accident half-year by applying an estimate of the needed actuarial reserve for all insurance companies in aggregate (i.e., the industry), and adding that amount to the reported incurred claim amounts that insurance companies report to GISA[3]. In doing so, we consider the industry's reported claim amounts (the aggregate paid claim amounts and individual claim case reserves), but we do not consider the actuarial reserves established by each insurance company as they are not reported to GISA.

We estimate the industry actuarial reserve by applying what are referred to as "loss development factors" to the aggregated incurred claim amounts that are reported to GISA. We apply loss[4] development factors to estimate the actuarial reserve need, hence the final claim cost, for each accident half-year through December 31, 2019, separately for each of the coverages. We follow a similar approach (using what are referred to as claim count development factors) to estimate the final number

[1] By "final" or "ultimate" cost we mean the amount paid by insurance companies at the time that all claims that occur in a particular year have been reported and settled.

[2] Accident half-year refers to either the period January 1 through June 30, or July 1 through December 31 of the indicated year. We use the terms "accident half-year" and "semester" (i.e., first semester or second semester; or the June semester or December semester) interchangeably in this report. We also refer to accident half-years or semesters as XXXX or XXXX, or XXXX.1 or XXXX.2 where "XXXX" refers to the indicated year.

[3] The data reported by the individual companies to GISA is subsequently validated by GISA then aggregated for the industry-wide AIX report.

[4] We use the terms "loss," "claim amount," and "claim cost" interchangeably in this report. In this report, all these terms include a provision for allocated loss adjustment expenses (ALAE).

of claims that will arise from events that have occurred by accident half-year through December 31, 2019, separately for each of the coverages.

We present our selection of claim amount development factors and claim count development factors and resulting ultimate claim frequency, severity and loss cost for each of the coverages in Appendices A through D.

We note that the selection of development factors has an effect on the selected loss trend rates and other key assumptions, factors, and provisions.[5] As a result of how claims experience actually emerges and the development factors that we have selected, our estimates of the ultimate loss costs, severities and frequencies[6] have changed from the prior review[7]. In addition, for this review, as noted in Section 3.2, effective July 1, 2019 GISA made a change to exclude some of the fleet data from the commercial vehicle AUTO7002 exhibit. As a result, there are additional changes in the estimates of the ultimate loss costs, severities and frequencies for this review. We present these in changes in the tables below.

Table 3: Bodily Injury: Change in Estimates

	As of December 31, 2018			As of December 31, 2019		
AY	**Loss Cost**	**Severity**	**Frequency**	**Loss Cost**	**Severity**	**Frequency**
2014	$140.06	$47,832	2.93	$140.73	$47,794	2.94
2015	$187.73	$55,810	3.36	$195.14	$57,238	3.41
2016	$163.91	$44,922	3.65	$182.66	$50,515	3.62
2017	$213.24	$58,697	3.63	$207.88	$58,488	3.55
2018	$161.85	$58,978	2.74	$180.90	$54,343	3.33
2019				$190.03	$55,422	3.43

Overall, for the four-year period 2015 to 2018, our estimates of ultimate loss costs have increased by 4.7%.

[5] A summary of our selected ultimate loss costs, severity amounts and frequency by accident half-year are presented in Appendix B.

[6] Number of claims per 1,000 insured vehicles.

[7] Some of the differences in estimates are due to changes in the data provided by GISA as prior reporting errors by some individual insurers are corrected and updated by GISA.

Table 4: Property Damage (including DCPD): Change in Estimates

	As of December 31, 2018			As of December 31, 2019		
AY	Loss Cost	Severity	Frequency	Loss Cost	Severity	Frequency
2014	$87.18	$7,022	12.41	$86.39	$6,974	12.39
2015	$117.54	$8,675	13.55	$115.30	$8,426	13.68
2016	$88.42	$7,561	11.69	$86.98	$7,507	11.59
2017	$91.65	$7,801	11.75	$87.90	$7,520	11.69
2018	$138.42	$10,928	12.67	$129.58	$10,284	12.60
2019				$99.91	$8,181	12.21

Overall, for the four-year period 2015 to 2018, our estimates of ultimate loss costs have decreased by 3.3%.

Table 5: Accident Benefits – Total: Change in Estimates

	As of December 31, 2018			As of December 31, 2019		
AY	Loss Cost	Severity	Frequency	Loss Cost	Severity	Frequency
2014	$16.08	$9,071	1.77	$16.03	$9,042	1.77
2015	$22.67	$12,850	1.76	$21.12	$11,739	1.80
2016	$15.01	$8,312	1.81	$12.99	$7,490	1.73
2017	$18.56	$10,874	1.71	$27.31	$16,412	1.66
2018	$20.71	$11,892	1.74	$20.87	$11,943	1.75
2019				$17.29	$10,373	1.67

Overall, for the four-year period 2015 to 2018, our estimates of ultimate loss costs have increased by 5.7%.

Table 6: Collision: Change in Estimates

	As of December 31, 2018			As of December 31, 2019		
AY	Loss Cost	Severity	Frequency	Loss Cost	Severity	Frequency
2014	$136.65	$7,649	17.87	$136.65	$7,649	17.87
2015	$150.00	$7,937	18.90	$150.49	$7,963	18.90
2016	$187.17	$10,420	17.96	$187.13	$10,382	18.02
2017	$185.58	$10,130	18.32	$184.65	$10,116	18.25
2018	$183.25	$9,936	18.44	$169.40	$9,960	17.01
2019				$169.22	$9,435	17.93

Overall, for the four-year period 2015 to 2018, our estimates of ultimate loss costs have decreased by 1.7%.

Table 7: Comprehensive: Change in Estimates

	As of December 31, 2018			As of December 31, 2019		
AY	Loss Cost	Severity	Frequency	Loss Cost	Severity	Frequency
2014	$93.14	$2,716	34.30	$93.20	$2,721	34.25
2015	$103.04	$2,874	35.86	$105.46	$2,937	35.91
2016	$109.09	$3,163	34.49	$109.02	$3,152	34.58
2017	$114.62	$3,352	34.19	$114.39	$3,362	34.03
2018	$103.17	$3,059	33.72	$104.66	$3,133	33.40
2019				$118.78	$3,489	34.05

Overall, for the four-year period 2015 to 2018, our estimates of ultimate loss costs have increased by 0.7%.

3.4. Loss Trend Rates

Loss trend rates are annual rates of change that provide interested parties with an understanding of how claims costs have changed in the past and are used as a predictor of how claim costs may change in the near future. The loss trend rates are integral to calculations to determine rate level change need indications in rate applications submitted to the Board. In rate level indication calculations, loss cost trend rates are applied to the company's recent accident year (referred to as the experience period) incurred loss amounts to project those loss amounts to the cost levels that are anticipated during the policy period covered under a proposed rate program.

The application of trend rates is, essentially, a two-step process. The data in the experience period under consideration must be adjusted to reflect changes in cost conditions that have taken place (i.e., "past trend"), and then the data must be further adjusted to reflect changes in cost conditions that are expected to take place between the end of the experience period and the time during which the new premiums will be in effect (i.e., "future trend").

Future trend rates should consider the same historical patterns that are the basis for the past trend rate, as well as the likelihood that those patterns may change.

We select trend rates based on the industry ultimate claim count and claim amount data which is organized by accident half-year.

The claim experience includes allocated loss adjustment expenses, and we include a provision for unallocated loss adjustment expenses (ULAE) based on the accident year ULAE factors published by GISA. In doing so, any distortions in the measured trend rate due to possible shifts over time between ULAE and ALAE from year to year is minimized.

We derive indicated annual loss trend rates based on an exponential regression model fit to industry historical accident-half year loss and loss adjustment expense data that we project to ultimate cost level (when all claims are reported and settled) using industry-wide claim amount and claim count development factors we apply.

4. LOSS TREND RATE CONSIDERATIONS

The identification of the underlying trend patterns is challenging because factors such as statistical fluctuation in the data points, legislative reforms, changes in the underlying exposure, or abnormal weather conditions, can make the underlying trend patterns difficult to discern.

The initial step of our process is to plot and visually inspect the historical frequency (number of claims per insured vehicles), severity (average claim amount) and loss costs data for each coverage. We note unusual data points, obvious changes in pattern directions, and sustained shifts; and if these changes are or are not coincident with historical reforms. These observations guide us in our design of each regression model on an individual coverage basis.

We consider the model regression statistic results when we evaluate our models in several different ways. This includes, but is not limited to:

- We test different time periods in an attempt to identify the underlying trends. Reviewing the data over a longer time period than a typical 3-to-5 year experience period is a means of increasing the stability of results based on data that is estimated and subject to change, as well as the credibility of the data being analyzed.
- We compare models with and without certain data points, including the inclusion or exclusion of the most recent accident half-year, to improve our understanding of the sensitivity of the calculated loss trend rate to the inclusion or exclusion of those points.

The various trend patterns that we review and associated statistical results are summarized in Appendix E[8] for each of frequency, severity, and loss cost.

4.1. Time Period Considered

In this review, we present and consider the claim experience by accident half-year, spanning the twenty-year period from 2000 to 2019.

While we provide twenty years of experience data, we generally select trend rates considering the claim experience over the more recent years.

In fitting the models, we aggregate half years to increase the stability and credibility of the data point.

4.2. Weather Conditions

On occasion, an extreme weather condition, such as the level of rain, snowfall or wind can contribute to a change in the frequency level. As a result, the time period with that associated extreme weather event could result in an exception to an underlying trend pattern. We considered the following weather events noted by GISA in our review:

- GISA notes the July 2014 hurricane (Arthur) impact on comprehensive, all perils and specified perils.

[8] Due to the breadth and depth of our review, not all loss trend models we considered are included in Appendix E.

- GISA notes the possible increase in the number of and claim amounts of physical damage claims since 2015 due to severe weather.

4.3. Reform or Level Change Parameter

The purpose of a reform parameter[9] is to isolate and, in a sense, remove the impact that reforms or other events had on the level of claim costs so that the underlying claim cost trend can be identified. The regression model we use to analyze severity, frequency, and loss cost trend patterns allows the inclusion of a level change parameter(s) to reflect the impact that reforms or other events have had on claim counts and amounts.

Distinct from an unusual data point that might be considered an outlier (where, for example, an upward spike is followed by a decline), or a change in trend rate pattern, the reform parameter identifies a sustained shift up (or down) in loss cost, severity or frequency coincident with the implementation of a reform. We determine the statistical significance of a level change based on results of *p*-value tests.

Some reforms result in a sustained level change with the trend rate before and after the reform unchanged. Other reforms could, in addition or instead, cause a change in the trend rate after the reform. As part of our regression model design, we consider the possibility that a reform could cause the trend rate slope to change; or even change direction. We determine the statistical significance of a trend rate change based on results of *p*-value tests.

4.4. Data Points

We give special consideration to data points that we consider have a material impact on the measured trend rates. Based on visual inspection and the percentage changes from year to year, we identify and then test data points that we may consider to be:

- an apparent upward or downward spike that may distort the measured trends
- the beginning of a sustained shift (up or down), that we refer to as a level change, or
- the beginning of a change in the trend rate.

We test for the significance of such data points by calculating the measured trend rates over various time periods: (i) with and without these data points, (i) by applying a level change parameter at these data points, and/or (iii) measuring trends before and after these data points.

4.5. Variability of Estimates

Due, in part, to the relatively small volume of commercial vehicle claim counts, there is a high degree of variability in the year-to-year percentage changes of the estimated accident year loss costs for most coverages. Additional details are presented in Appendix B which includes the actual year-to-year percentage changes. In addition to the year-to-year variability between accident year data, the changes in the estimated accident year loss cost between this review and our prior review[10] contributes to the change in the measured trend rates between reviews even with the identical trend model (i.e., time

[9] We use the terms reform or level change interchangeable; but a reform parameter is associated with a known change in benefit levels.

[10] In this review, the changes made by GISA effective July 1, 2019 discussed in Section 3.2 contribute to the change in estimates.

period and parameters); the comparison between estimates of ultimate loss amounts from the prior review and this review are presented in Appendix C.

Both these sources of variability cause the measured loss cost trend rates to change, and often rather significantly, depending upon the trend measurement period selected.

As the variability is more pronounced with semi-annual data than annual data, we use annual data in this review.

4.6. Statistical Tests

We test the various trends that we model for statistical significance using various tests, and present the adjusted R-squared values, confidence intervals, and *p*-value in Appendix E.

- As respects the adjusted R-squared, we generally refer to values of 80% or greater to be "high," values between 40% and 80% to be "moderate," and values below 40% to be "low."
- We consider *p*-values under 5% to be "significant."
- The confidence interval presented corresponds to a 95% probability level range.

4.7. Future Trend Rates

In selecting future trend rates, we adjust our selected past trend rates if there is evidence of new patterns emerging. If no future trend rate is noted in the discussion below, it should be assumed that our selected future trend rate is equal to our selected past trend rate. Unless noted otherwise, future trends should apply beginning at the mid-point of the latest accident half-year, which is October 1, 2019 in this review.

A discussion of our selected trend rates for each coverage follows in Section 5.

4.8. Summary of Trend Rates

As presented in Appendix E, we review several different models for each coverage based on different time frames, inclusion or exclusion of reform (i.e., level change) parameters, inclusion or exclusion of a trend rate change parameter, and data exclusions.

The summary of our trend rates based on industry data as of December 31, 2019, as presented in Table 1, are based on our assessment and wholistic view of the statistical tests, historical data (changes in patterns and spikes) and parsimony of many regression models.

In Section 5 that follows, we discuss the basis for the trend rates we present in Table 1. Due to the many models that we consider, we do not discuss all of the models (as presented in Appendix E).

4.9. Heatmaps

In Section 5 of this report we present graphical representations of the regression models under consideration with the use of heatmaps. We present separate heatmaps for the indicated trend rates, adjusted R-squared values, and *p*-values associated with a selected regression model over various experience time periods. The *y*-axis of the heatmap corresponds to the beginning of the experience period, and the *x*-axis corresponds to the end of the time period. For each heatmap, the colors within the column are selected such that larger values are brighter (yellow), and smaller values are darker

(blue). This allows for direct comparison of statistical results between models over different time periods and improves readability of our report without having to reference Appendix E. However, the information presented in each heatmap is analogous with the information presented in Appendix E and is considered an additional aid to draw attention to the models we select. For example, the information provided in Figure 2 may also be found in Appendix E, pages4 through 6.

4.10. COVID-19

Covid-19 “stay-at-home” orders effective in the first half of 2020 have resulted in a dramatic decline in accidents, as well as claimants missing treatments under accident benefits. As the “stay-at-home” orders are lifted and a phased reopening begins in the second half of 2020, we expect the claims experience to rise from that of the 2020-1 level, but continue to be lower than would otherwise be expected until an effective treatment and/or vaccine is available.

This trend study is based on pre-Covid-19 industry data through to December 31, 2019. The trend rates that we present in this report are intended to be applicable to rate applications that will be effective once there is a return to traffic levels similar to those before Covid-19 (i.e., post effective treatment and/or vaccine).

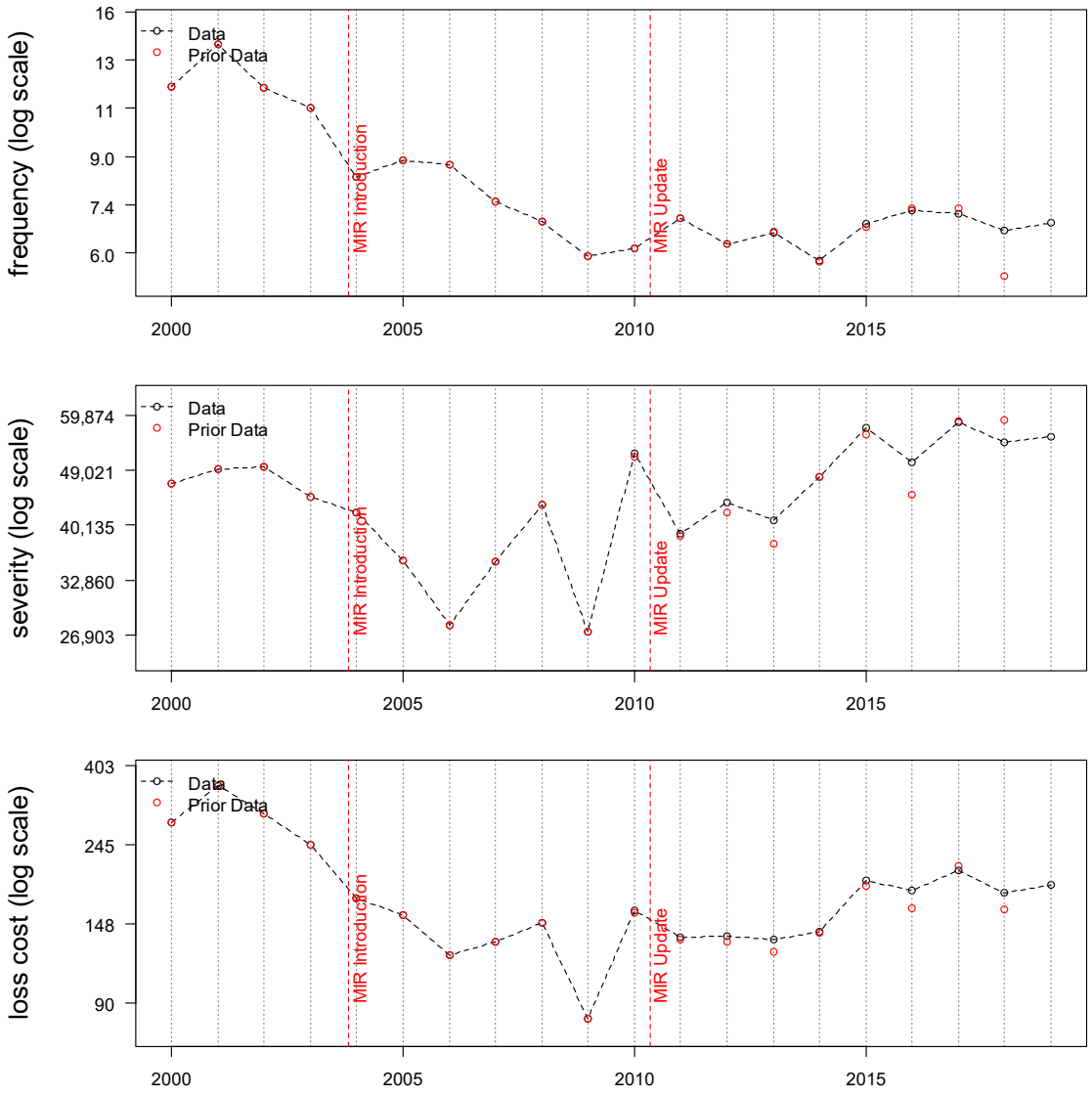
A temporary adjustment to the assumptions underlying a rate indication may be appropriate for rate applications with effective dates before a return to pre-Covid-19 traffic levels.

5. OLIVER WYMAN SELECTED TREND RATES

5.1. Bodily Injury

In Figure 1, we present our estimated loss cost (average claim cost per vehicle), average severity (average claim cost per claim), and frequency rate (average claim incidence rate) over the period 2000 through 2019. We include a comparison to the estimated values used in our prior report[11].

Figure 1: Bodily Injury – Observed Loss Cost Experience



[11] Part of the difference from the prior review is due to GISA's change to the AUTO7002 commercial vehicle data to exclude Fleet business.

A review of the historical data points (as depicted in Figure 1) shows that subject to variability:

- Loss cost sharply declined following the 2003 reforms, and other than the downward spike in 2009, appears to have remained relatively flat until 2014, after which an increasing pattern is emerging.
- Severity has generally trended upward since 2006, including sharp spikes and drops in 2008 – 2010.
- Frequency experienced a declining pattern following the 2003 reforms until 2009. Following 2009, subject to variability, frequency is relatively flat.

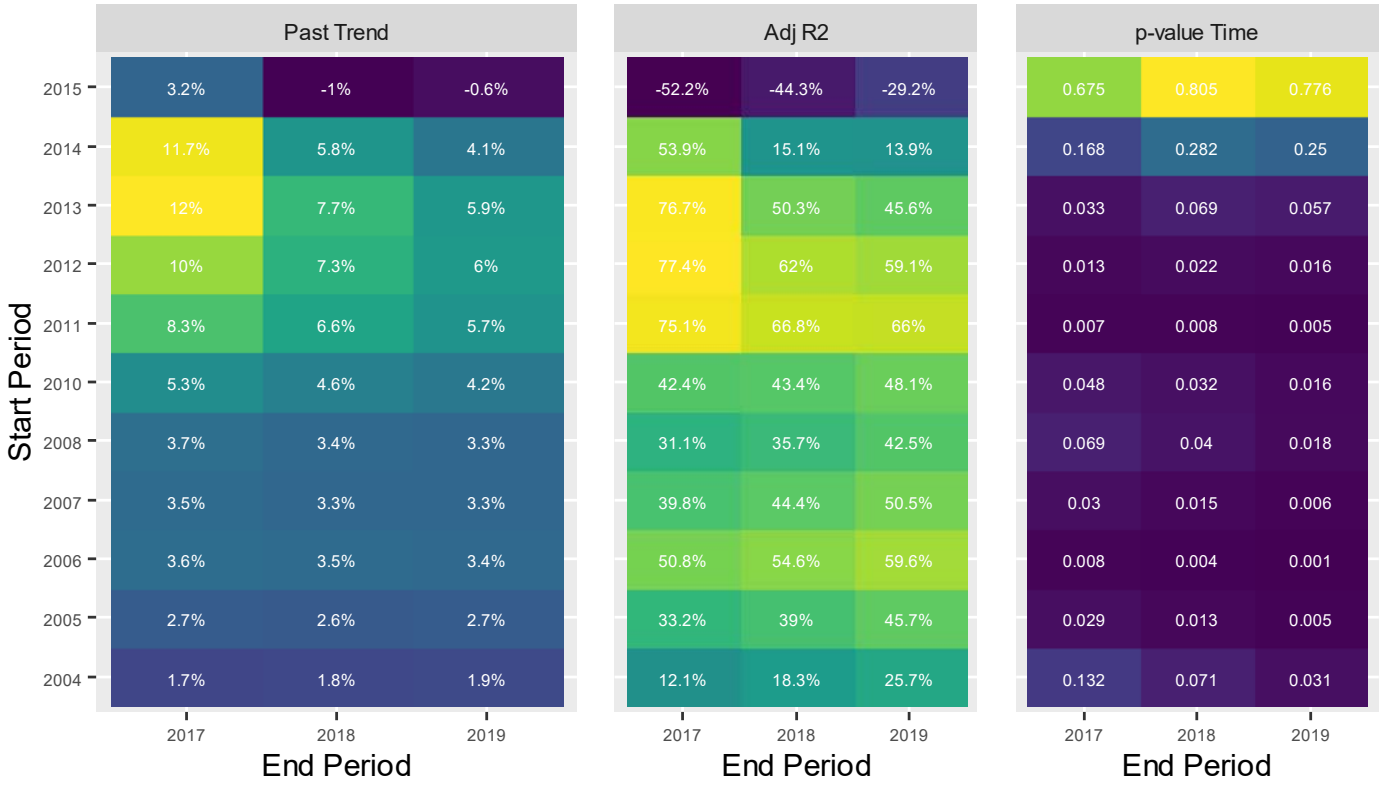
An increase in the minor injury cap (from an unindexed $2,500 to an indexed $7,500) took effect on April 28, 2010. Although the introduction of Bill 52 in April 2010 would have affected the loss costs in 2010, we suggest the sharp increase (+96%) in 2010 is more due to data variability than to Bill 52, as the loss cost declined over each of the next three years.

Possibly due to the low volume of data (approximately 180 claims per year since 2009) and the variability in the data (which is likely attributed to the low volume), there is no statistical evidence of Bill 52 having an impact on claim costs as is the case for private passenger vehicles. As in our prior report, we make no explicit adjustment for Bill 52. Any change in claims cost for Bill 52 is implicitly included within our measured trend rates. In addition, we consider the trend rates after the 2003 reforms were introduced, due to the apparent change in trend pattern beginning in 2004.

The estimated severity, frequency, and loss cost trends, associated adjusted R-squared values, and *p*-values, and confidence intervals over various trend measurement periods, with and without the 2009 data point, are presented in Appendix E. We make the following observations about these measured trends.

In Figure 2 we present a heatmap of indicated loss cost trends beginning 2004 through 2015, ending 2019, 2018 and 2017, excluding the low 2009 observation, with time included in the model.

Figure 2: Bodily Injury - Loss Cost Heatmap (Time, excluding 2009)

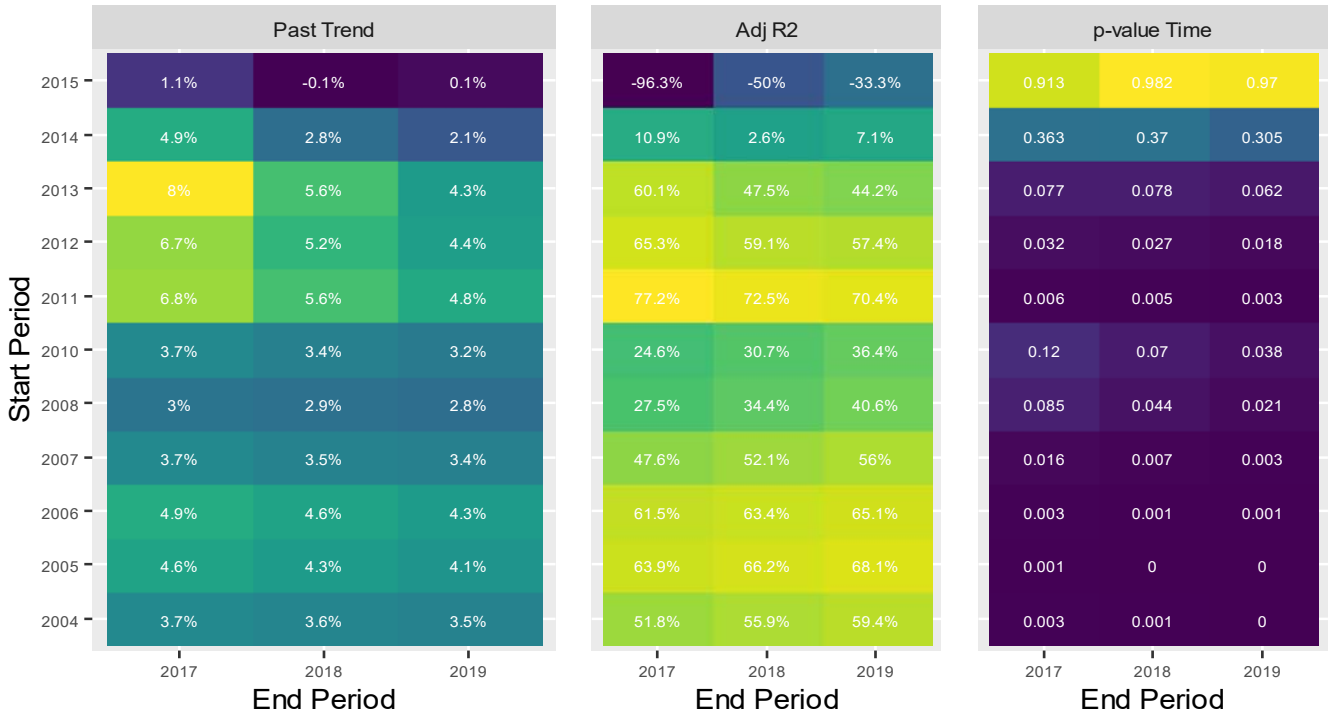


- We observe the models with experience periods beginning 2004 to 2012 and ending 2019, have indicated loss cost trend rates that range from approximately +2.0 to +6.0%, and have moderate adjusted R-squared values and significant *p*-values for time.
- We note the models with the shortest experience periods, those beginning 2013 through 2015, have *p*-values that are not significant for time.
- The models with longer experience periods ending 2017 and 2018 have similar results as those ending 2019.

Despite the noted low claim volume and data variability we consider the measured severity and frequency trend rates. We note the severity models generally have higher adjusted R-squared values and a smaller range of indicated trend rates.

In Figure 3 we present a heatmap of indicated severity trends beginning 2004 through 2015, ending 2019, 2018 and 2017, excluding the low 2009 observation, with time included in the model.

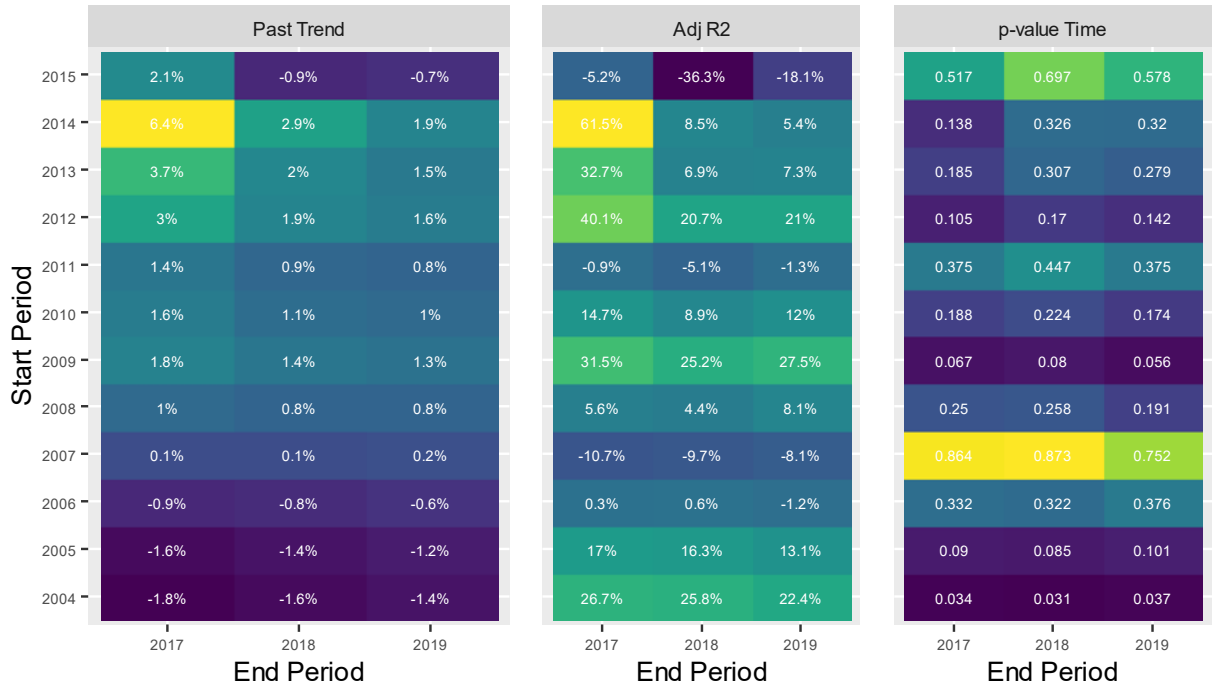
Figure 3: Bodily Injury - Severity Heatmap (Time, excluding 2009)



- We observe the models with experience periods beginning 2004 to 2012 and ending 2019, have indicated severity trend rates that range from approximately +3.0 to +5.0%, and have moderate adjusted R-squared values and significant *p*-values for time.
- We note the models with the shortest experience periods, those beginning 2013 through 2015 have *p*-values that are not significant for time.
- The models beginning 2005, 2006, 2011, and 2012 have the largest adjusted R-squared values and have indicated severity trend rates that cluster around +4.5%.
- The models with longer experience periods ending 2017 and 2018 have similar (but slightly higher) results as those ending 2019.

In Figure 4 we present a heatmap of indicated frequency trends beginning 2004 through 2015, ending 2017, 2018 and 2019, with time included in the model.

Figure 4: Bodily Injury - Frequency Heatmap (Time)



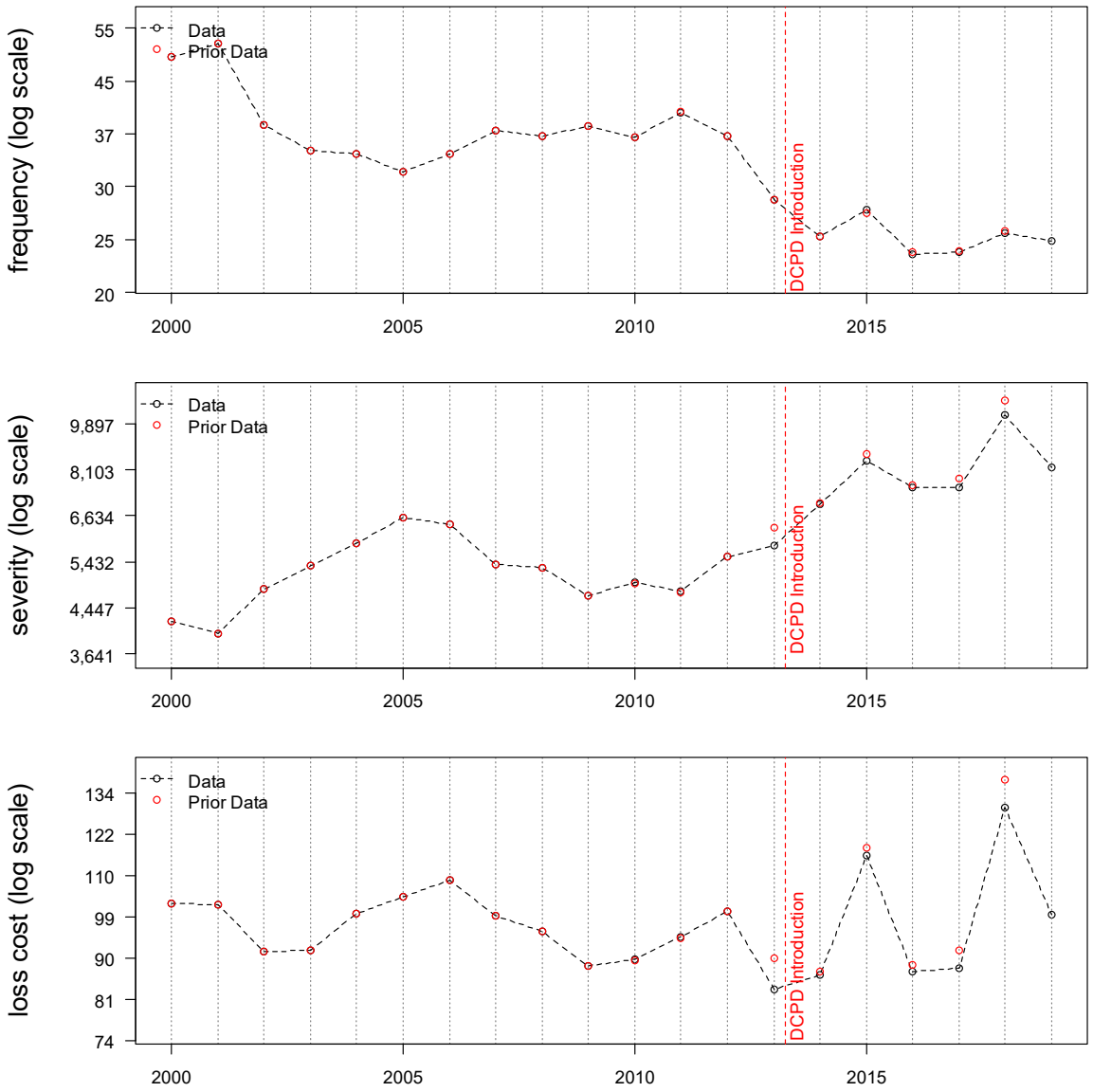
- We observe the models with experience periods ending 2019, have indicated frequency trend rates that range from approximately 0.5% to +2.0%, and have low adjusted R-squared values and *p*-values that are not significant for time.
- The indicated trend rate is lower for the models with longer experience periods and decreases as the experience period shortens.
- The models with longer experience periods ending 2017 and 2018 have similar results as those ending 2019.
- Due to the insignificant *p*-values essentially over all experience periods, we are unable to discern a frequency trend rate different than 0.0%.

We select a loss cost trend rate of **+4.5%** (based on separate 0% frequency and +4.5% severity trend rates), the same as our prior review.

5.2. Property Damage (including DCPD)

In Figure 5, we present our estimated loss cost (average claim cost per vehicle), average severity (average claim cost per claim), and frequency rate (average claim incidence rate) over the period 2000 through 2019. We include a comparison to the estimated values used in our prior report and observe that the estimates have not changed significantly.

Figure 5: Property Damage including DCPD – Observed Loss Cost Experience



A review of the historical data points (as depicted in Figure 5) shows that subject to variability:

- Loss cost has exhibited a relatively flat pattern over 2000 to 2013, then following the introduction of DCPD, large positive spikes in 2015 and 2018. We note the 2015 and 2018 increases may be outliers given the steep declines from 2015 to 2016 and 2018 to 2019.
- Severity has exhibited a steep upward trend since 2011, including a small spike in 2015, and a more recent spike at 2018.
- Frequency had a steep decline between 2011 to 2014. Then, other than a small spike in 2015, a more modest decline/flat trend following the introduction of DCPD.

The estimated severity, frequency, and loss cost trends, associated adjusted R-squared values, and *p*-values, and confidence intervals over various trend measurement, with and without a reform parameter at April 2013 (when DCPD was introduced), and the 2015 and 2018 observations, are presented in Appendix E. We make the following observations about these measured trends.

In Figure 6 we present a heatmap of indicated loss cost trends beginning 2002 through 2015, ending 2019 and 2018, excluding 2015 and 2018, with time included in the model.

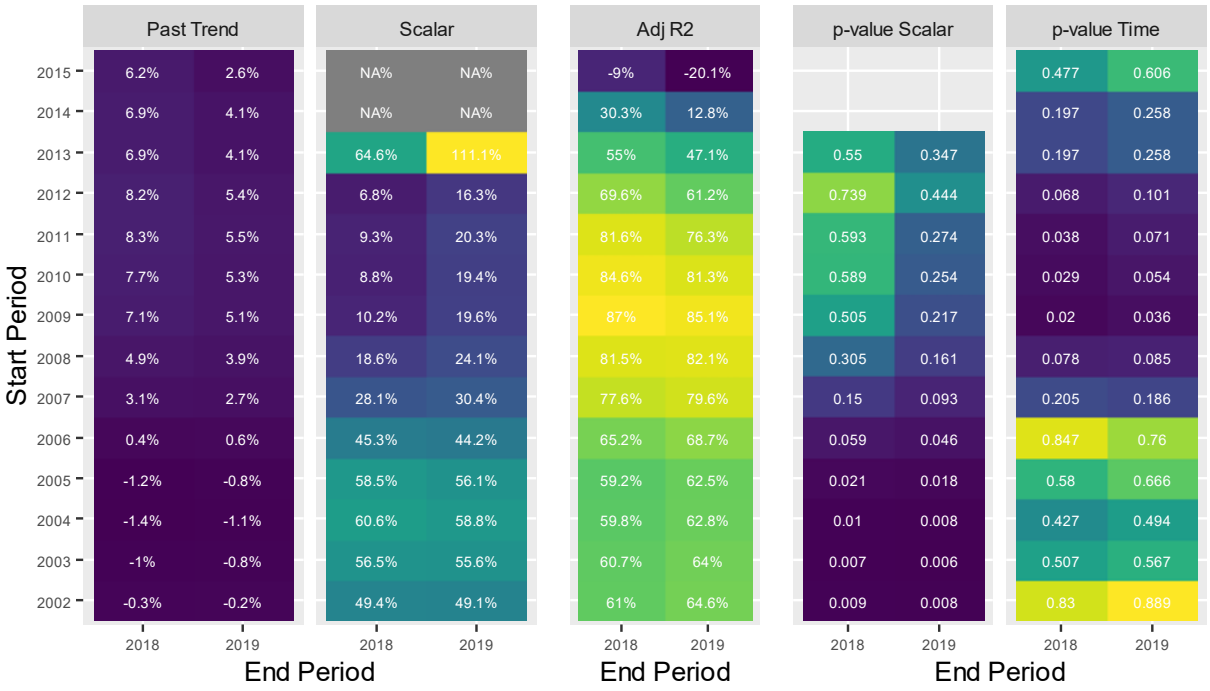
Figure 6: Property Damage including DCPD – Loss Cost Heatmap (Time)

- We observe the models with experience periods ending 2019, have indicated loss cost trend rates that range between approximately 0.0% to +4.0% and have very low adjusted R-squared values and insignificant *p*-values for time.
- The models with longer experience periods ending 2018 have similar results as those ending 2019.

We note, the loss cost data is difficult to fit (i.e., poor statistical results) due to the offsetting frequency and severity trend patterns; and we would conclude a loss cost trend rate different than 0.0% can't be discerned. Given this, despite the noted low claim volume and data variability we consider the measured severity and frequency trend rates.

In Figure 7 we present a heatmap of indicated severity trends beginning 2002 through 2015, ending 2018 and 2019, with time and a reform parameter at April 2013 included in the model.

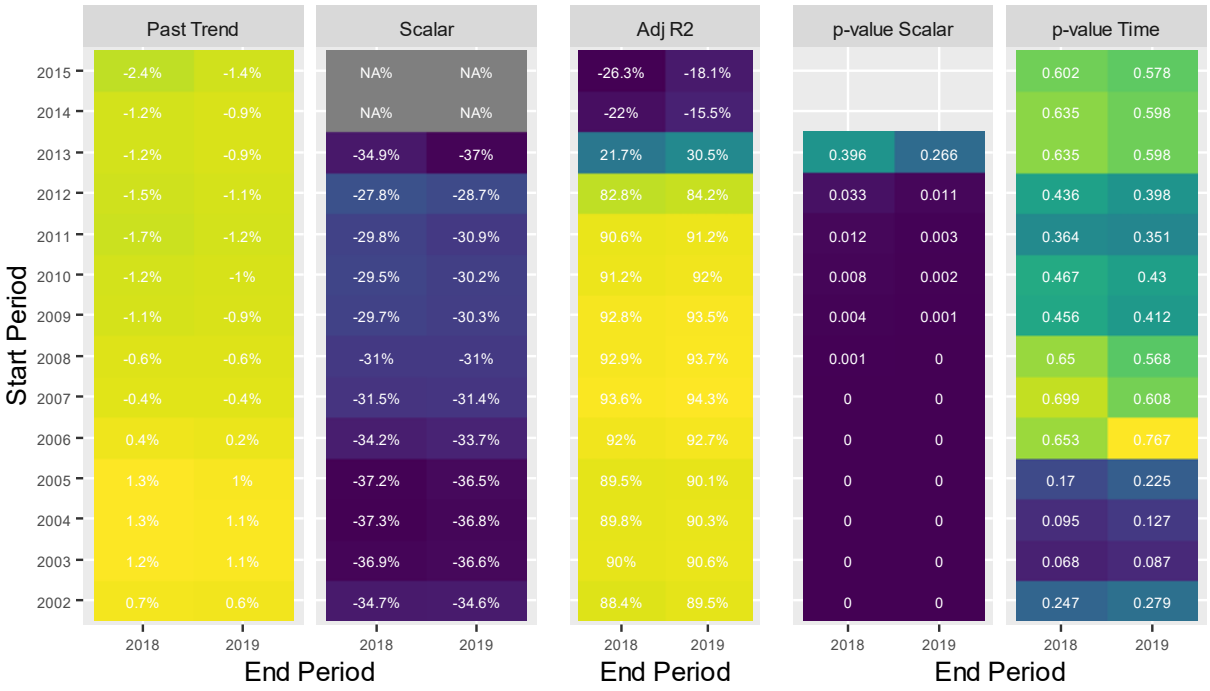
Figure 7: Property Damage including DCPD – Severity Heatmap (Time and 4/2013 Scalar)



- We observe the models with experience periods beginning 2002 to 2006 ending 2019, have indicated severity trend rates that range between approximately -1.0% and +0.5% and have moderate adjusted R-squared values and significant *p*-values for the reform parameter, however, insignificant *p*-values for time. The April 2013 scalar corresponds to an approximate 55% increase in severity.
- We note the models with shorter experience periods beginning 2009 to 2011 generally have *p*-values that are significant for time but not the reform parameter. These models have higher adjusted R-squared values, however much higher indicated trend rates, clustering around +5.5%. As evidenced by the insignificant *p*-value for the April 2013 reform, we find this +5.5% severity trend to be overstated likely caused by the model's inability to separate the reform and trend effects. We conclude we are unable to discern a severity trend rate different than +0.0%.
- The models with longer experience periods ending 2018 have similar results as those ending 2019.

In Figure 8 we present a heatmap of indicated frequency trends beginning 2002 through 2015, ending 2018 and 2019, with time and a reform parameter at April 2013 included in the model.

Figure 8: Property Damage including DCPD – Frequency Heatmap (Time and 4/2013 Scalar)



- We observe the models with experience periods beginning 2002 to 2011 ending 2019, have indicated frequency trend rates that range between approximately -1.0 and +1.0% and have high adjusted R-squared values and significant p-values for the reform parameter[12], however, insignificant *p*-values for time. Given the *p*-values for time, we are unable to discern a frequency trend rate different than +0.0%.
- The models with experience periods ending 2018 have similar results as those ending 2019.

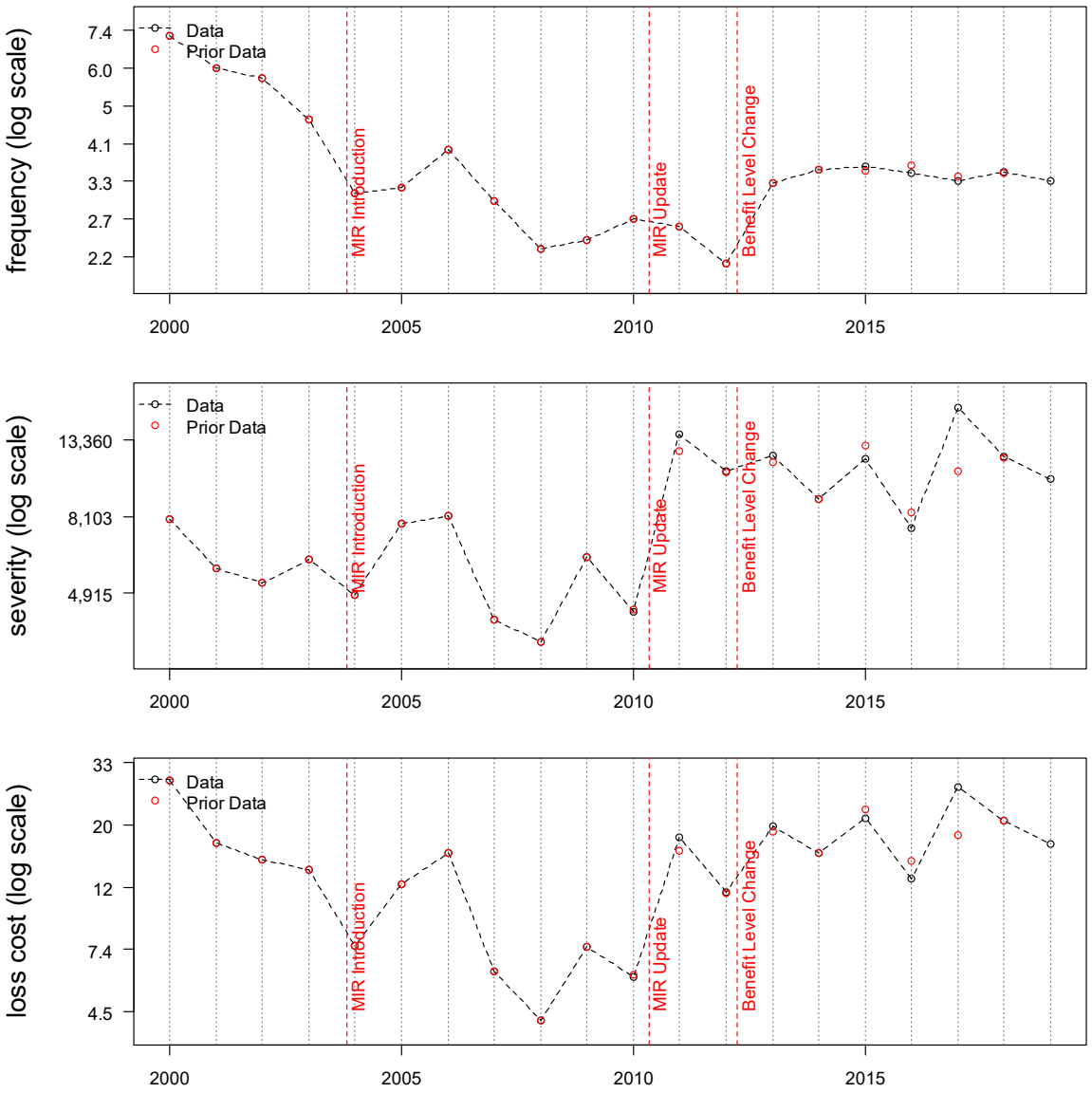
Therefore, we select a loss cost trend of 0.0%, the same as our prior selection.

5.3. Accident Benefits

In Figure 9, we present our estimated loss cost (average claim cost per vehicle), average severity (average claim cost per claim), and frequency rate (average claim incidence rate) over the period 2000 through 2019. We include a comparison to the estimated values used in our prior report and observe that other than the minor severity shifts up and down for the more recent accident half-years, other than the 2017 severity, the estimates have not changed significantly.

[12] The April 2013 scalar corresponds to an approximate 35% decrease in frequency for the models beginning 2002 to 2006. We note this 35% decrease offsets the 55% increase in severity, resulting in 0% net loss cost effect.

Figure 9: AB Total – Observed Loss Cost Experience



A review of the historical data points (as depicted in Figure 9) shows that subject to considerable variability:

- Loss cost experienced a large increase following the 2010 reforms and has been slightly flat since.
- Severity experienced a large increase following the 2010 reforms and has been relatively flat since.
- Frequency declined through to the 2012 reforms, then lifted upward following the 2012 reforms and has been relatively flat since.

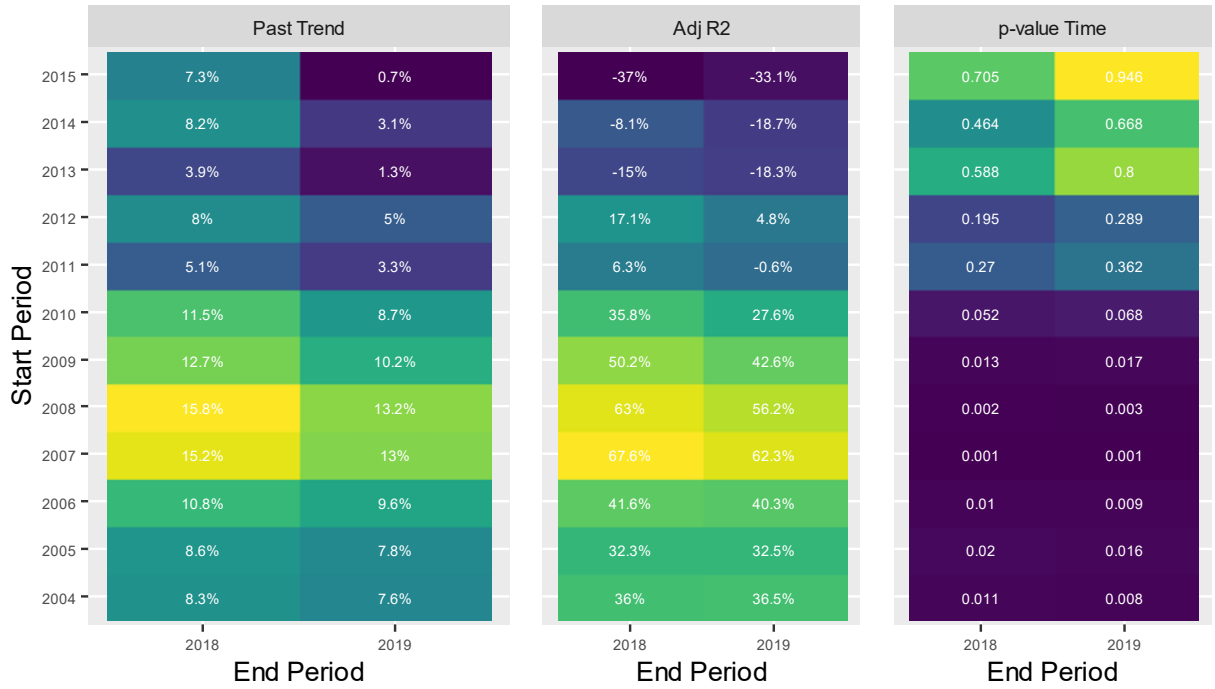
The estimated severity, frequency, and loss cost trends, associated Adjusted R-squared values, *p*-values, and confidence intervals over these various trend measurement periods, with and without a reform

parameter at April 2012, are presented in Appendix E. We make the following observations about these measured trends.

Given the variability in experience, as well as the weak statistics for the April 2012 reform parameter, we continue to make no explicit reform adjustment.

In Figure 10 we present a heatmap of indicated loss cost trends beginning 2004 through 2015, ending 2018 and 2019, with a time parameter in the model.

Figure 10: AB Total – Loss Cost Heatmap (Time)



- We observe the models with experience periods beginning 2011 though 2015 (post-Bill 52) ending 2019 have indicated loss cost trend rates that range from 0.0% to +3.0% and have low adjusted R-squared values and *p*-values that are insignificant for time.
- We note the models with longer experience periods generally have high trend rates, and significant *p*-values for time. However, it very likely that these trends are overstated, caused by the lack of a scalar parameter in the model. We note, selecting a location for this reform factor is problematic, as Bill 52 and the 2012 Fair Insurance reforms both likely had an impact on historic loss costs.
- For all but the shortest periods, the models with experience periods ending 2018 have similar, but slightly higher, results as those ending 2019.

We find the model which best aligns to the historical loss cost experience has a scalar parameter at January 1, 2011. In Figure 11 we present a heatmap of indicated loss cost trends beginning 2004 through 2015, ending 2018 and 2019, with time and January 2011 scalar parameters in the model.

Figure 11: AB Total – Loss Cost Heatmap (Time and 1/2011 Scalar)

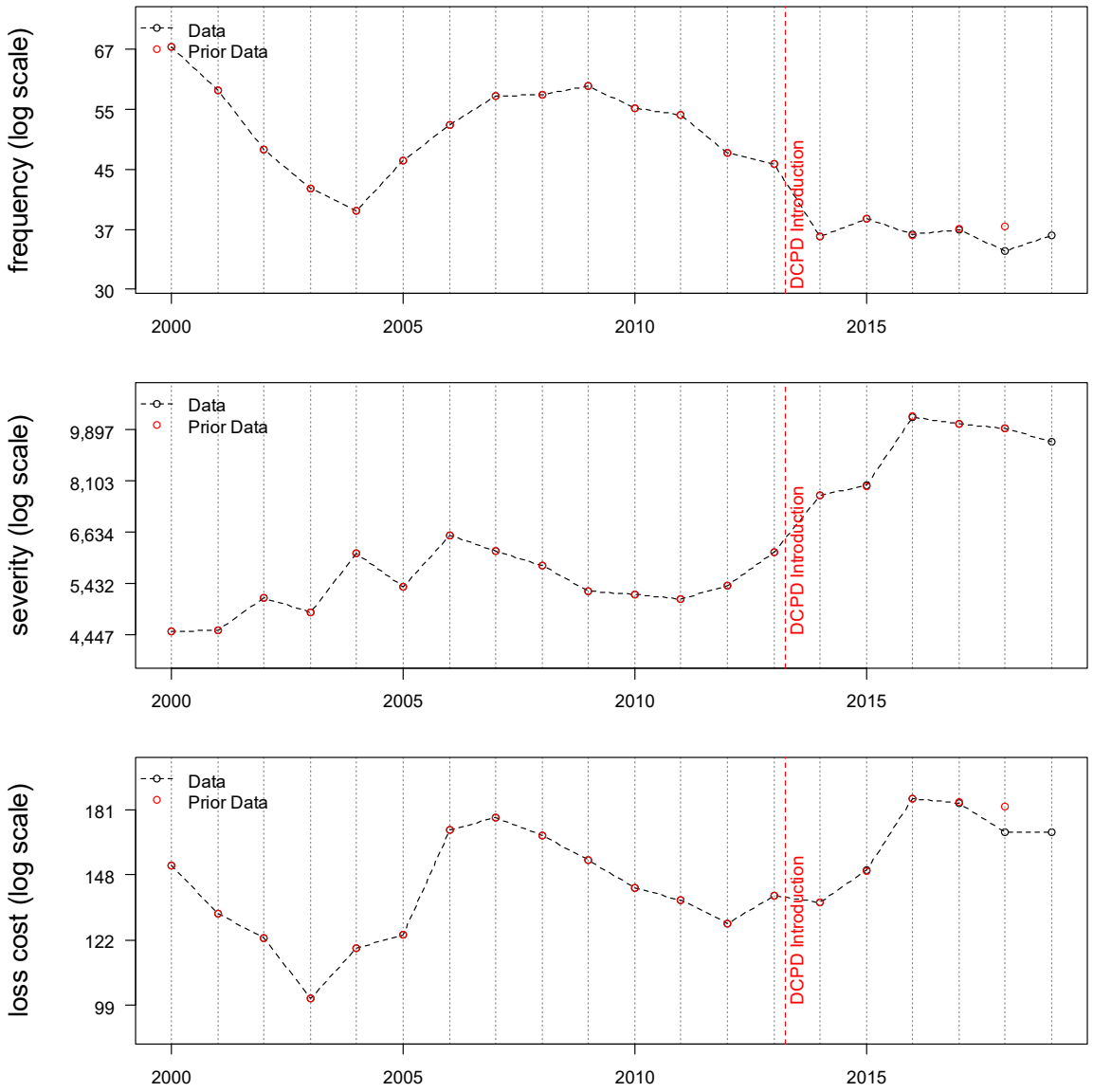
- We observe the models with experience periods beginning 2004 though 2010 ending 2019 have indicated loss cost trend rates that range from -1.3% to +3.0% and have moderate adjusted R-squared values and *p*-values that are significant for the scalar parameter, but not for time. The January 2011 scalar corresponds to an approximate 150% increase in loss costs.
- The models with experience periods ending 2018 have similar results as those ending 2019.

We select a loss cost trend rate of 0.0%, the same as our prior selection.

5.4. Collision

In Figure 12, we present our estimate of the estimated loss cost (average claim cost per vehicle), average severity (average claim cost per claim), and frequency rate (average claim incidence rate) over the period 2000 through 2019. We include a comparison to the estimated values used in our prior report and observe that the estimates have not changed significantly.

Figure 12: Collision – Observed Loss Cost Experience



A review of the historical data points (as depicted in Figure 12) shows that subject to variability:

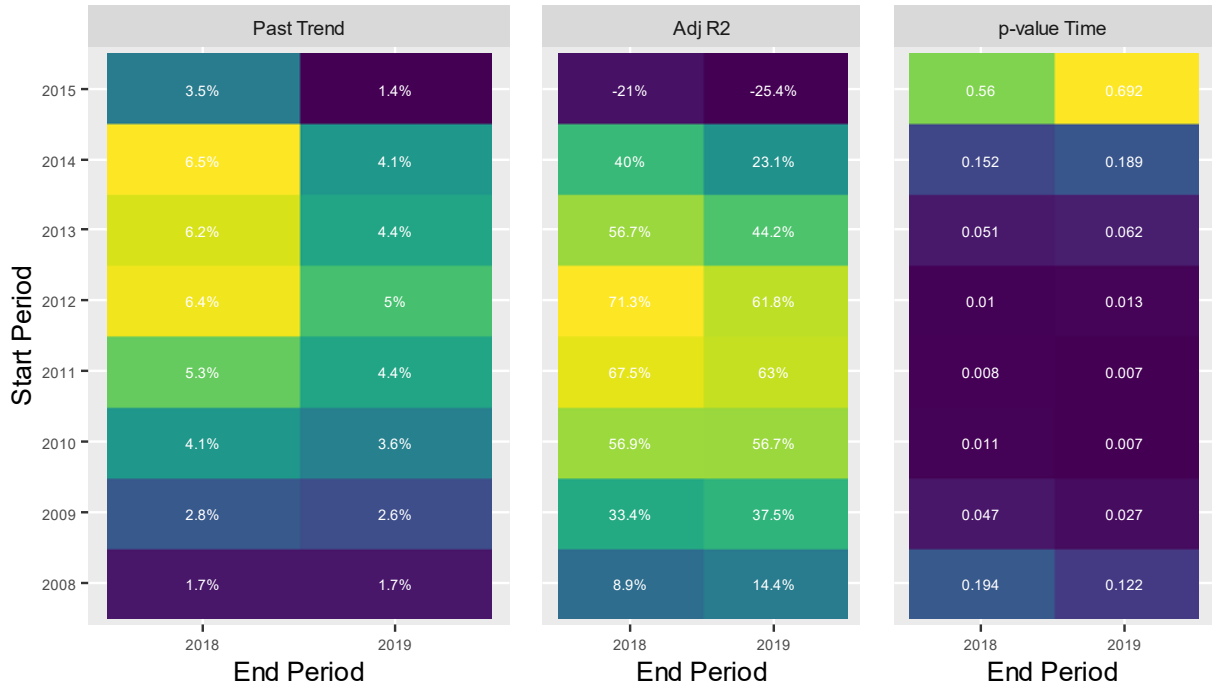
- Loss cost has exhibited both increasing and decreasing patterns, including two large consecutive increases in 2015 and 2016.
- Severity has been increasing since 2011, including relatively large increases between 2013-2016 following the introduction of DCPD. Since 2016, we observe a flat to decreasing pattern
- Frequency declined beginning 2008 through to the introduction of DCPD in 2013, and relatively flat since.

The estimated severity, frequency, and loss cost trends, associated Adjusted R-squared values, *p*-values, and confidence intervals over various trend measurement periods, with and without a reform

parameter at April 2013, as well as excluding the 2016 loss cost spike, are presented in Appendix E. We offer the following observations about these measured trends.

In Figure 13 we present a heatmap of indicated loss cost trends beginning 2008 through 2015, ending 2018 and 2019, with time included in the model.

Figure 13: Collision – Loss Cost Heatmap (Time)

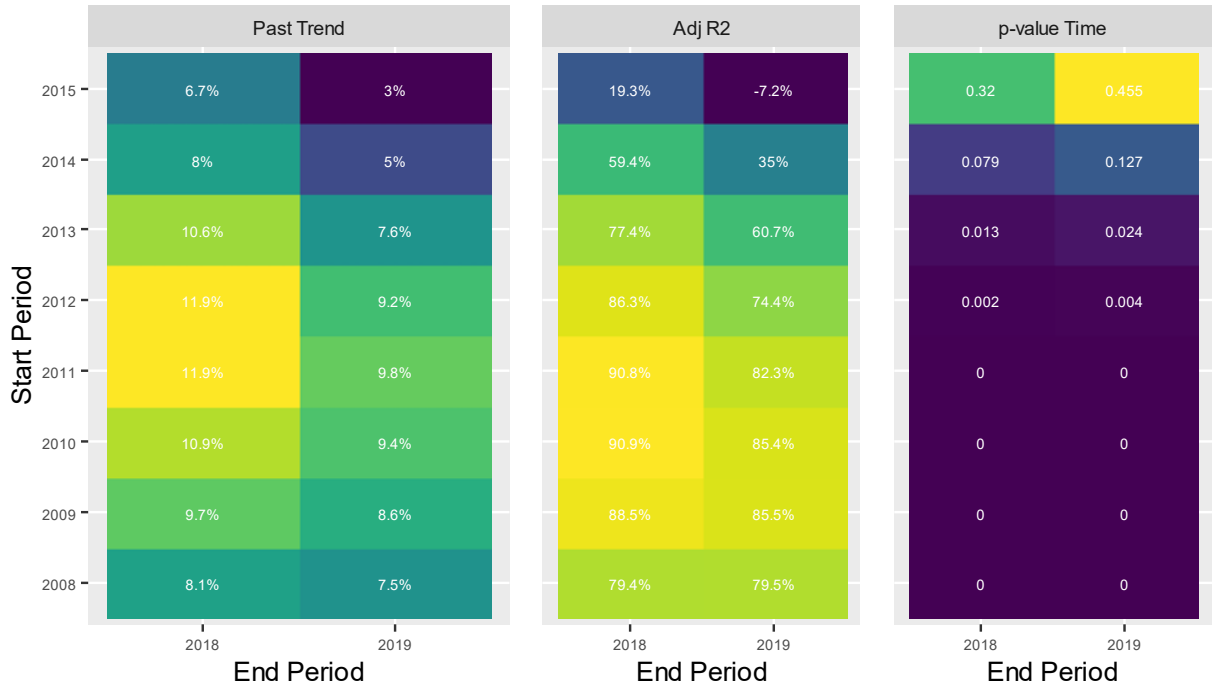


- We observe the models with experience periods beginning 2009 through 2012 and ending 2019 have indicated loss cost trend rates generally range from +2.5% to +5.0% and have moderate adjusted R-squared values and significant *p*-values for time.
- The models with experience periods ending 2018 generally have indicated loss cost trend rates that are about one-half to one and a half percentage points higher than those ending 2019.

As noted in Section 2, DCPD was introduced April 1, 2013, which appears to have affected the collision claim experience. Similar to PD/DCPD, the effect the reform had on frequency and severity offset one another making it difficult to model loss costs directly. Therefore, we also consider the separate frequency and severity models.

In Figure 13 we present a heatmap of indicated severity trends beginning 2008 through 2015, ending 2018 and 2019, with time included in the model. We note the April 2013 reform scalar parameter is not significant for severity

Figure 14: Collision – Severity Heatmap (Time)

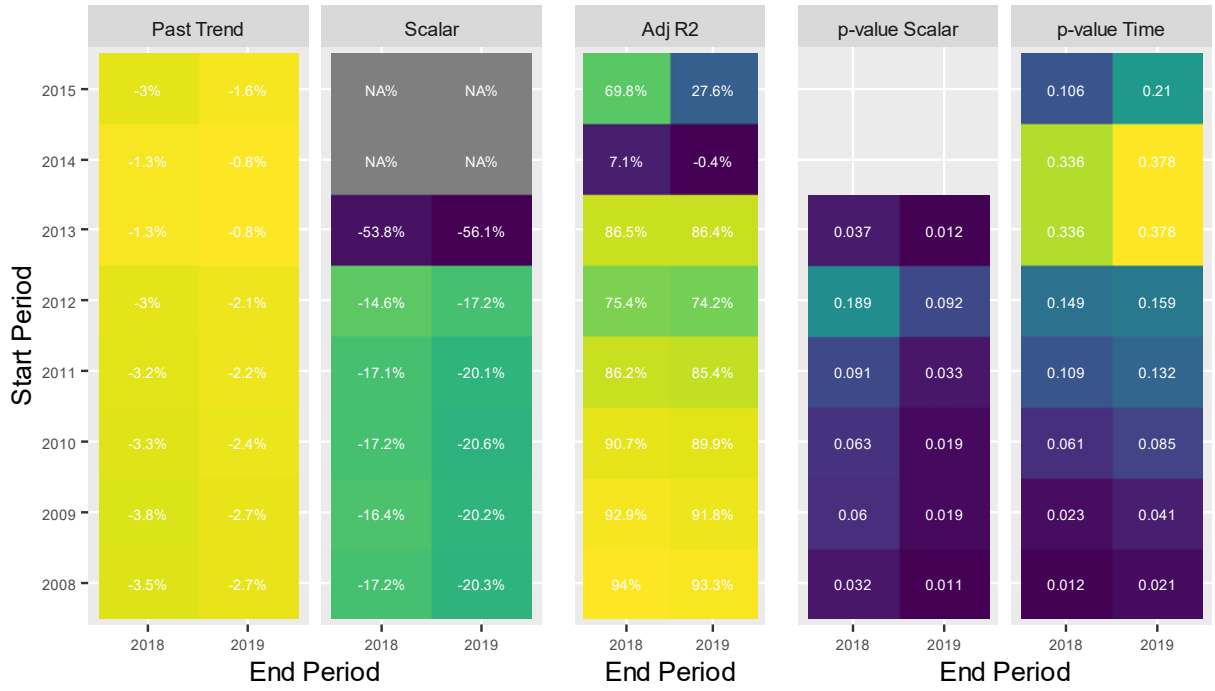


- We observe the models with experience periods beginning 2008 through 2013 and ending 2019 have indicated severity trend rates ranging between +7.5% and +9.5% and have high adjusted R-squared values and *p*-values that are significant for time.
- We note the models with shorter experience periods have *p*-values that are insignificant time.
- The models with experience periods ending 2018 have indicated trend rates that are approximately one to two percentage points higher than those ending 2019.

We select an annual severity trend of +8.5%, based on the models with the longest experience periods and highest adjusted R-squared values.

In Figure 13 we present a heatmap of indicated frequency trends beginning 2008 through 2015, ending 2018 and 2019, with time and an April 2013 reform scalar parameter included in the model.

Figure 15: Collision – Frequency Heatmap (Time and 4/2013 Scalar)



- We observe the models with experience periods beginning 2008 and 2009 ending 2019 have indicated frequency trend rates of about -2.5% and have high adjusted R-squared values and *p*-values that are significant for both time and scalar parameters. The April 2013 scalar parameter corresponds to a 20% decrease in frequency.
- We note the models with shorter experience periods have *p*-values that are insignificant time.
- The models with experience periods ending 2018 have similar results as those ending 2019.

We select an annual frequency trend of -2.5%, based on the models with the longest experience periods and highest adjusted R-squared values.

Therefore, based on our severity trend rate of +8.5% and frequency trend rate of -2.5%, we select a **past loss cost trend of +6.0% (rounded),** one percentage point lower than our prior selection.

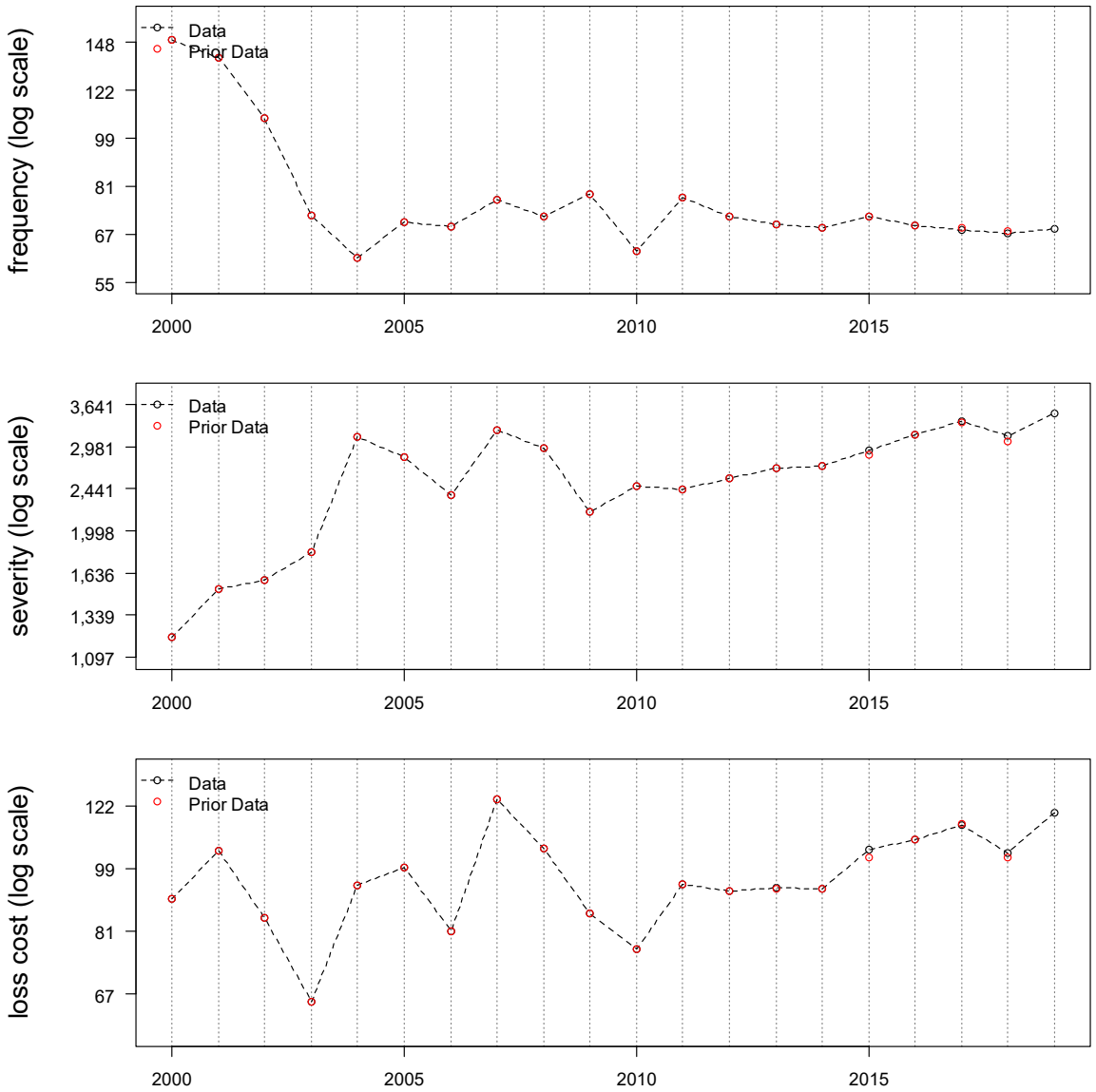
As in our prior review, we find evidence of a lower future loss cost trend rate given the decline in the loss costs over the last four years, $187, $185, 169, and $169 for 2016, 2017, 2018 and 2019, respectively. In addition, as presented in Figure 13, the loss cost trend rate for the period 2013 to 2019 is +4.4% with a moderate adjusted R-squared and a *p*-value slightly above our 5% threshold. We select a **future loss cost trend rate of +4.5%,** one and a half points higher than our prior review.

5.5. Comprehensive

In Figure 16, we present our estimated loss cost (average claim cost per vehicle), average severity (average claim cost per claim), and frequency rate (average claim incidence rate) over the period 2000

through 2019. We include a comparison to the estimated values used in our prior report and observe that the estimates have not changed significantly.

Figure 16: Comprehensive – Observed Loss Cost Experience



A review of the historical data points (as depicted in Figure 16) shows that subject to variability:

- Loss cost has been generally increasing, including an upward spike in 2007 and downward spike in 2010.
- Severity has been increasing since 2009.
- Frequency has been relatively flat (slight downward trend) since 2007, including a downward spike in 2010

The estimated severity, frequency, and loss cost trends, associated Adjusted R-squared values, p values, and confidence intervals over various trend measurement periods (including and excluding the 2007 and 2010 data points) are presented in Appendix E. We offer the following observations about these measured trends.

In Figure 17 we present a heatmap of indicated severity trends beginning 2009 through 2015, ending 2018 and 2019, with time included in the model.

Figure 17: Comprehensive – Severity Heatmap (Time and Seasonality)

- We observe the models with experience periods ending 2019, have indicated severity trend rates that cluster around +4.5% and have high adjusted R-squared values and significant *p*-values for time.
- The models with experience periods ending 2018 have similar results as those ending 2019.

We select a severity trend of +4.5%, one-half percentage point higher than our prior selection.

In Figure 18 we present a heatmap of indicated frequency trends beginning 2009 through 2015, ending 2018 and 2019, excluding the low 2010 observation and time included in the model.

Figure 18: Comprehensive – Frequency Heatmap (Time)

- We observe the models with experience periods beginning 2009 through 2012 ending 2019 have indicated frequency trend rates that generally range from -1.5% to -1.0% and have moderate adjusted R-squared values and *p*-values that are significant for time.
- The models with shorter experience periods generally have *p*-values that are insignificant for time and low adjusted R-squared values.
- The models with experience periods ending 2018 have similar results as those ending 2019.

We select a frequency trend of -1.5%, the same as our prior selection.

Therefore, based on our severity trend rate of +4.5% and our frequency trend rate of -1.5%, we select a past and future loss cost trend of **+3.0% (rounded)**, one-half percentage point higher than our prior selection.

5.6. Specified Perils

For reasons of data volume and the nature of the coverage, we select the same past and future loss cost trend rate as we do for comprehensive, +3.0%.

5.7. All Perils

For reasons of data volume and the nature of the coverage, we select the past and future loss cost trend rate based on our selected values for collision and comprehensive, **+5.0%** for the past and **+4.0%** for the future.

5.8. Summary- All Coverages

We summarize our current and prior trend analyses in Table 8 and Table 9, respectively.

Table 8: Selected Loss Cost Trends as of December 31, 2019

Coverage	Past Loss Cost	Future Loss Cost
Bodily Injury	+4.5%	+4.5%
Property Damage incl DCPD	0.0%	+0.0%
Accident Benefits	0.0%	+0.0%
Collision	+6.0%	+4.5%
Comprehensive	+3.0%	+3.0%
Specified Perils	+3.0%	+3.0%
All Perils	+5.0%	+4.0%

Table 9: Selected Loss Cost Trends as of December 31, 2018

Coverage	Past Loss Cost	Future Loss Cost
Bodily Injury	+4.5%	+4.5%
Property Damage incl DCPD	0.0%	+0.0%
Accident Benefits	0.0%	+0.0%
Collision	+7.0%	+3.0%
Comprehensive	+2.5%	+2.5%
Specified Perils	+2.5%	+2.5%
All Perils	+5.5%	+3.0%

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7. CONSIDERATIONS AND LIMITATIONS

- **Data Verification** – For our analysis, we relied on data and information provided by the client named herein and GISA without independent audit. Though we have reviewed the data for reasonableness and consistency, we have not audited or otherwise verified this data. Our review of data may not always reveal imperfections. We have assumed that the data provided is both accurate and complete. The results of our analysis are dependent on this assumption. If this data or information is inaccurate or incomplete, our findings and conclusions might therefore be unreliable.
- **Rounding and Accuracy** – Our models may retain more digits than those displayed. Also, the results of certain calculations may be presented in the exhibits with more or fewer digits than would be considered significant. As a result, there may be rounding differences between the results of calculations presented in the exhibits and replications of those calculations based on displayed underlying amounts. Also, calculation results may not have been adjusted to reflect the precision of the calculation.
- **Unanticipated Changes** – We developed our conclusions based on an analysis of the data of the client named herein and on the estimation of the outcome of many contingent events. We developed our estimates from the historical claim experience and covered exposure, with adjustments for anticipated changes. Our estimates make no provision for extraordinary future emergence of new types of losses not sufficiently represented in historical databases or which are not yet quantifiable. Also, we assumed that the client named herein will remain a going concern, and we have not anticipated any impacts of potential insolvency, bankruptcy, or any similar event.
- **Internal / External Changes** – The sources of uncertainty affecting our estimates are numerous and include factors internal and external to the client named herein. Internal factors include items such as changes in claim reserving or settlement practices. The most significant external influences include, but are not limited to, changes in the legal, social, or regulatory environment surrounding the claims process. Uncontrollable factors such as general economic conditions also contribute to the variability.
- **Uncertainty Inherent in Projections** – While this analysis complies with applicable Actuarial Standards of Practice and Statements of Principles, users of this analysis should recognize that our projections involve estimates of future events and are subject to economic and statistical variations from expected values. We have not anticipated any extraordinary changes to the legal, social, or economic environment that might affect the frequency or severity of claims. For these reasons, we do not guarantee that the emergence of actual losses will correspond to the projections in this analysis.

8. APPENDICES

Appendix A: Selected reported claim count and reported incurred claim amount development factors and basis for selection.

Appendix B: Estimate of the ultimate loss cost, severity and frequency by accident half-year; and period to period percentage changes.

Appendix C: Reported incurred claim amount, reported paid claim amount, and estimated ultimate claim amount by accident half-year.

Appendix D: Reported incurred claim count, and estimated ultimate claim count by accident half-year.

Appendix E: Summary of loss trend regression analysis which includes modeled trend results for various time periods; with and without a seasonality parameter; with and without certain data points; with and without certain level change parameters.

- Bodily Injury: Pages 1 to 7
- Total Property Damage, including DCPD: Pages 8 to 13
- Accident Benefits – Total: Pages 14 to 17
- Collision: Pages 18 to 23
- Comprehensive: Pages 24 to 29

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Claim Count Development Summary
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)
	Selected Age-to-Ultimate Development Factors				
Maturity	Third Party Liability - Bodily Injury	Third Party Liability - Total Property Damage	Accident Benefits - Total	Collision	Comprehensive - Total
6.0	1.252	1.010	0.861	0.937	1.149
12.0	1.068	0.999	0.928	0.991	1.009
18.0	1.030	1.003	0.970	0.994	1.003
24.0	1.014	1.003	0.990	1.000	1.002
30.0	1.000	0.999	0.993	1.000	1.000
36.0	0.994	0.998	0.998	1.000	1.000
42.0	0.987	0.999	1.002	1.000	1.000
48.0	0.989	0.999	1.001	1.000	1.000
54.0	0.987	0.999	1.001	1.000	1.000
60.0	0.994	0.999	1.000	1.000	1.000
66.0	0.996	0.999	1.000	1.000	1.000
72.0	0.996	1.000	1.000	1.000	1.000
78.0	0.998	1.000	1.000	1.000	1.000
84.0	0.998	1.000	1.000	1.000	1.000
90.0	0.998	1.000	1.000	1.000	1.000
96.0	1.000	1.000	1.000	1.000	1.000
102.0	1.000	1.000	1.000	1.000	1.000
108.0	1.000	1.000	1.000	1.000	1.000
114.0	1.000	1.000	1.000	1.000	1.000
120.0	1.000	1.000	1.000	1.000	1.000
126.0	1.000	1.000	1.000	1.000	1.000
132.0	1.000	1.000	1.000	1.000	1.000
138.0	1.000	1.000	1.000	1.000	1.000
144.0	1.000	1.000	1.000	1.000	1.000
150.0	1.000	1.000	1.000	1.000	1.000
156.0	1.000	1.000	1.000	1.000	1.000
162.0	1.000	1.000	1.000	1.000	1.000
168.0	1.000	1.000	1.000	1.000	1.000
174.0	1.000	1.000	1.000	1.000	1.000
180.0	1.000	1.000	1.000	1.000	1.000
186.0	1.000	1.000	1.000	1.000	1.000
192.0	1.000	1.000	1.000	1.000	1.000
198.0	1.000	1.000	1.000	1.000	1.000
204.0	1.000	1.000	1.000	1.000	1.000
210.0	1.000	1.000	1.000	1.000	1.000
216.0	1.000	1.000	1.000	1.000	1.000
222.0	1.000	1.000	1.000	1.000	1.000
228.0	1.000	1.000	1.000	1.000	1.000
234.0	1.000	1.000	1.000	1.000	1.000
240	1.000	1.000	1.000	1.000	1.000

Province of Nova Scotia

Commercial Vehicles (including Fleets)

Claim Count Development Selections
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)
	Selected Age-to-Ultimate Development Factors				
Maturity	Third Party Liability - Bodily Injury	Third Party Liability - Total Property Damage	Accident Benefits - Total	Collision	Comprehensive - Total
6.0	Wght Avg: Last 6 Semesters ending in 12	Wght Avg: 6 Semester	Wght Avg: All Semesters	Wght Avg: 6 Semester	Wght Avg: 10 Semesters
12.0	Wght Avg: 6 Semester	Wght Avg: 6 Semester	Wght Avg: All Semesters	Wght Avg: 6 Semester	Wght Avg: 10 Semesters
18.0	Wght Avg: 6 Semester	Wght Avg: 6 Semester	Wght Avg: All Semesters	Wght Avg: 6 Semester	Wght Avg: 10 Semesters
24.0	Wght Avg: 6 Semester	Wght Avg: 6 Semester	Wght Avg: All Semesters	1	Wght Avg: 10 Semesters
30.0	Wght Avg: 6 Semester	Wght Avg: 6 Semester	Wght Avg: All Semesters	1	1
36.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	Wght Avg: All Semesters	1	1
42.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	Wght Avg: All Semesters	1	1
48.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	Wght Avg: All Semesters	1	1
54.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	Wght Avg: All Semesters	1	1
60.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	1	1	1
66.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	1	1	1
72.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	1	1	1
78.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	1	1	1
84.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	1	1	1
90.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	1	1	1
96.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	1	1	1
102.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	1	1	1
108.0	Wght Avg: 6 Semester	1	1	1	1
114.0	Wght Avg: 6 Semester	1	1	1	1
120.0	Wght Avg: 6 Semester	1	1	1	1
126.0	Wght Avg: 6 Semester	1	1	1	1
132.0	Wght Avg: 6 Semester	1	1	1	1
138.0	Wght Avg: 6 Semester	1	1	1	1
144.0	Wght Avg: 6 Semester	1	1	1	1
150.0	Wght Avg: 6 Semester	1	1	1	1
156.0	Wght Avg: 6 Semester	1	1	1	1
162.0	Wght Avg: 6 Semester	1	1	1	1
168.0	Wght Avg: 6 Semester	1	1	1	1
174.0	Wght Avg: 6 Semester	1	1	1	1
180.0	Wght Avg: 6 Semester	1	1	1	1
186.0	Wght Avg: 6 Semester	1	1	1	1
192.0	Wght Avg: 6 Semester	1	1	1	1
198.0	Wght Avg: 6 Semester	1	1	1	1
204.0	Wght Avg: 6 Semester	1	1	1	1
210.0	1	1	1	1	1
216.0	1	1	1	1	1
222.0	1	1	1	1	1
228.0	1	1	1	1	1
234.0	1	1	1	1	1

Province of Nova Scotia

Commercial Vehicles (including Fleets)

Reported Incurred Claim Amount and ALAE Loss Development Summary
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)
	Selected Age-to-Ultimate Development Factors				
Maturity	Third Party Liability - Bodily Injury	Third Party Liability - Total Property Damage	Accident Benefits - Total	Collision	Comprehensive - Total
6.0	2.481	1.071	1.270	0.988	1.056
12.0	1.709	0.985	1.278	0.995	0.994
18.0	1.498	0.983	1.323	0.994	0.995
24.0	1.326	0.982	1.332	1.000	0.998
30.0	1.250	0.984	1.161	1.000	1.000
36.0	1.131	0.985	1.141	1.000	1.000
42.0	1.114	0.981	1.123	1.000	1.000
48.0	1.054	0.991	1.047	1.000	1.000
54.0	1.021	0.976	1.019	1.000	1.000
60.0	1.021	0.977	1.020	1.000	1.000
66.0	1.016	0.977	1.021	1.000	1.000
72.0	1.000	0.985	1.017	1.000	1.000
78.0	1.018	0.996	1.020	1.000	1.000
84.0	1.009	0.995	1.029	1.000	1.000
90.0	0.996	0.994	1.027	1.000	1.000
96.0	0.991	0.997	1.016	1.000	1.000
102.0	0.993	0.995	1.016	1.000	1.000
108.0	0.998	1.000	1.019	1.000	1.000
114.0	1.000	1.000	1.002	1.000	1.000
120.0	1.000	1.000	1.000	1.000	1.000
126.0	1.000	1.000	1.000	1.000	1.000
132.0	1.000	1.000	1.000	1.000	1.000
138.0	1.000	1.000	1.000	1.000	1.000
144.0	1.000	1.000	1.000	1.000	1.000
150.0	1.000	1.000	1.000	1.000	1.000
156.0	1.000	1.000	1.000	1.000	1.000
162.0	1.000	1.000	1.000	1.000	1.000
168.0	1.000	1.000	1.000	1.000	1.000
174.0	1.000	1.000	1.000	1.000	1.000
180.0	1.000	1.000	1.000	1.000	1.000
186.0	1.000	1.000	1.000	1.000	1.000
192.0	1.000	1.000	1.000	1.000	1.000
198.0	1.000	1.000	1.000	1.000	1.000
204.0	1.000	1.000	1.000	1.000	1.000
210.0	1.000	1.000	1.000	1.000	1.000
216.0	1.000	1.000	1.000	1.000	1.000
222.0	1.000	1.000	1.000	1.000	1.000
228.0	1.000	1.000	1.000	1.000	1.000
234.0	1.000	1.000	1.000	1.000	1.000
240	1.000	1.000	1.000	1.000	1.000

Province of Nova Scotia

Commercial Vehicles (including Fleets)

Reported Incurred Claim Amount and ALAE Loss Development Selections
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)
	Selected Age-to-Ultimate Development Factors				
Maturity	Third Party Liability - Bodily Injury	Third Party Liability - Total Property Damage	Accident Benefits - Total	Collision	Comprehensive - Total
6.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	Wght Avg: All Semesters	Avg: 6 Semesters ex hi/lo	Wght Avg: 10 Semesters
12.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	Wght Avg: All Semesters	Wght Avg: 6 Semester	Wght Avg: 10 Semesters
18.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	Wght Avg: All Semesters	Wght Avg: 6 Semester	Wght Avg: 10 Semesters
24.0	Wght Avg: 6 Semester	Wght Avg: 10 Semesters	Wght Avg: All Semesters	1	Wght Avg: 10 Semesters
30.0	Wght Avg: 10 Semesters	Wght Avg: All Semesters	Wght Avg: All Semesters	1	1
36.0	Wght Avg: 10 Semesters	Wght Avg: 10 Semesters	Wght Avg: All Semesters	1	1
42.0	Wght Avg: 10 Semesters	Wght Avg: 10 Semesters	Wght Avg: All Semesters	1	1
48.0	Wght Avg: 10 Semesters	Wght Avg: All Semesters	Wght Avg: All Semesters	1	1
54.0	Wght Avg: 10 Semesters	Wght Avg: 10 Semesters	Wght Avg: All Semesters	1	1
60.0	Wght Avg: 10 Semesters	Wght Avg: 10 Semesters	Wght Avg: All Semesters	1	1
66.0	Wght Avg: 10 Semesters	Wght Avg: 20 Semesters	Wght Avg: All Semesters	1	1
72.0	Wght Avg: 20 Semesters	Wght Avg: 20 Semesters	Wght Avg: All Semesters	1	1
78.0	Wght Avg: 20 Semesters	Wght Avg: 20 Semesters	Wght Avg: All Semesters	1	1
84.0	Wght Avg: 20 Semesters	Wght Avg: 20 Semesters	Wght Avg: All Semesters	1	1
90.0	Wght Avg: 20 Semesters	Wght Avg: 20 Semesters	Wght Avg: All Semesters	1	1
96.0	Wght Avg: 20 Semesters	Wght Avg: 20 Semesters	Wght Avg: All Semesters	1	1
102.0	Wght Avg: 20 Semesters	Wght Avg: 20 Semesters	Wght Avg: All Semesters	1	1
108.0	Wght Avg: 20 Semesters	1	Wght Avg: All Semesters	1	1
114.0	1	1	Wght Avg: All Semesters	1	1
120.0	1	1	1	1	1
126.0	1	1	1	1	1
132.0	1	1	1	1	1
138.0	1	1	1	1	1
144.0	1	1	1	1	1
150.0	1	1	1	1	1
156.0	1	1	1	1	1
162.0	1	1	1	1	1
168.0	1	1	1	1	1
174.0	1	1	1	1	1
180.0	1	1	1	1	1
186.0	1	1	1	1	1
192.0	1	1	1	1	1
198.0	1	1	1	1	1
204.0	1	1	1	1	1
210.0	1	1	1	1	1
216.0	1	1	1	1	1
222.0	1	1	1	1	1
228.0	1	1	1	1	1
234.0	1	1	1	1	1

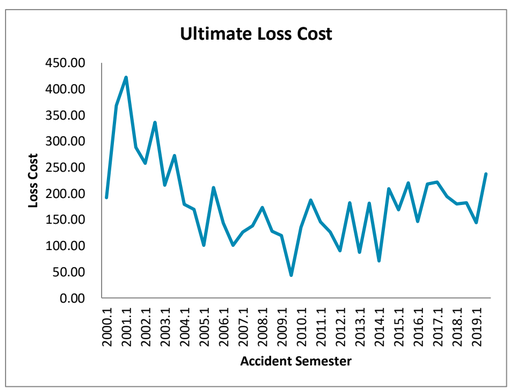
Province of Nova Scotia

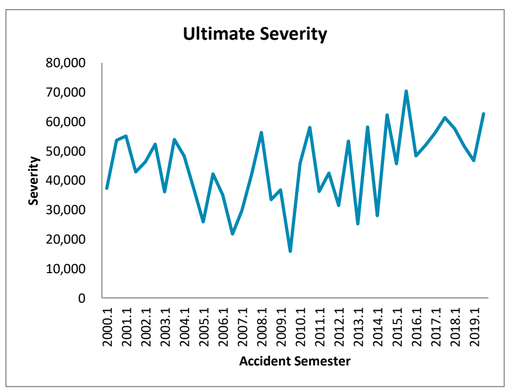
Third Party Liability - Bodily Injury

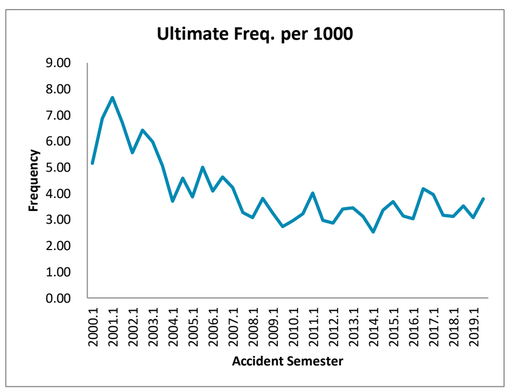
Commercial Vehicles (including Fleets)

Claims and ALAE Development Method
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Accident Semester	Maturity (in Months)	Earned Car Years	Ultimate Claim Counts	Ultimate Claims and ALAE (000)	ULAE Adjustment	Ultimate Losses & LAE (000)	Ultimate Loss Cost	% Change Seasonal Accident Half Years	Ultimate Severity	% Change Seasonal Accident Half Years	Ultimate Freq. per 1000	% Change Seasonal Accident Half Years	Annual Loss Cost & LAE	% Change Accident Years
2000.1	240.0	22,509	116	3,996	1.082	4,324	192.09		37,273		5.15			
2000.2	234.0	22,992	158	7,826	1.082	8,467	368.27		53,591		6.87		281.11	
2001.1	228.0	23,720	182	9,410	1.065	10,021	422.49	119.9%	55,063	47.7%	7.67	48.9%		
2001.2	222.0	24,108	162	6,530	1.065	6,954	288.47	-21.7%	42,928	-19.9%	6.72	-2.2%	354.94	26.3%
2002.1	216.0	22,681	126	5,427	1.077	5,845	257.72	-39.0%	46,392	-15.7%	5.56	-27.6%		
2002.2	210.0	23,064	148	7,194	1.077	7,748	335.94	16.5%	52,352	22.0%	6.42	-4.5%	297.16	-16.3%
2003.1	204.0	22,451	134	4,487	1.078	4,837	215.45	-16.4%	36,099	-22.2%	5.97	7.4%		
2003.2	198.0	23,120	117	5,852	1.078	6,309	272.87	-18.8%	53,921	3.0%	5.06	-21.1%	244.58	-17.7%
2004.1	192.0	23,228	86	3,646	1.140	4,156	178.93	-16.9%	48,330	33.9%	3.70	-38.0%		
2004.2	186.0	24,230	111	3,608	1.140	4,113	169.77	-37.8%	37,058	-31.3%	4.58	-9.5%	174.25	-28.8%
2005.1	180.0	24,264	94	2,221	1.097	2,435	100.37	-43.9%	25,908	-46.4%	3.87	4.6%		
2005.2	174.0	25,169	126	4,855	1.097	5,325	211.55	24.6%	42,258	14.0%	5.01	9.3%	156.98	-9.9%
2006.1	168.0	24,461	100	3,196	1.099	3,510	143.51	43.0%	35,103	35.5%	4.09	5.5%		
2006.2	162.0	25,257	117	2,319	1.099	2,548	100.88	-52.3%	21,776	-48.5%	4.63	-7.5%	121.85	-22.4%
2007.1	156.0	24,821	105	2,830	1.105	3,127	125.98	-12.2%	29,780	-15.2%	4.23	3.5%		
2007.2	150.0	25,326	83	3,161	1.105	3,493	137.91	36.7%	42,080	93.2%	3.28	-29.3%	132.00	8.3%
2008.1	144.0	24,677	76	3,912	1.095	4,281	173.50	37.7%	56,335	89.2%	3.08	-27.2%		
2008.2	138.0	26,246	100	3,054	1.095	3,343	127.38	-7.6%	33,431	-20.6%	3.81	16.3%	149.73	13.4%
2009.1	132.0	25,562	83	2,766	1.106	3,057	119.61	-31.1%	36,837	-34.6%	3.25	5.4%		
2009.2	126.0	25,691	70	1,003	1.106	1,109	43.17	-66.1%	15,845	-52.6%	2.72	-28.5%	81.30	-45.7%
2010.1	120.0	25,067	74	3,059	1.108	3,388	135.16	13.0%	45,785	24.3%	2.95	-9.1%		
2010.2	114.0	25,724	83	4,344	1.108	4,812	187.06	333.3%	57,974	265.9%	3.23	18.4%	161.45	98.6%
2011.1	108.0	25,419	102	3,347	1.105	3,699	145.51	7.7%	36,263	-20.8%	4.01	35.9%		
2011.2	102.0	26,560	79	3,035	1.105	3,355	126.31	-32.5%	42,464	-26.8%	2.97	-7.8%	135.70	-15.9%
2012.1	96.0	26,474	76	2,196	1.090	2,394	90.44	-37.8%	31,506	-13.1%	2.87	-28.5%		
2012.2	90.0	27,535	94	4,595	1.090	5,010	181.95	44.1%	53,409	25.8%	3.41	14.5%	137.10	1.0%
2013.1	84.0	26,870	93	2,137	1.094	2,337	86.98	-3.8%	25,183	-20.1%	3.45	20.3%		
2013.2	78.0	27,215	85	4,509	1.094	4,931	181.18	-0.4%	58,128	8.8%	3.12	-8.5%	134.38	-2.0%
2014.1	72.0	26,851	68	1,745	1.086	1,895	70.58	-18.9%	27,979	11.1%	2.52	-27.0%		
2014.2	66.0	27,612	93	5,312	1.086	5,769	208.95	15.3%	62,282	7.1%	3.35	7.6%	140.73	4.7%
2015.1	60.0	27,449	101	4,307	1.076	4,633	168.79	139.2%	45,693	63.3%	3.69	46.4%		
2015.2	54.0	28,344	89	5,813	1.076	6,254	220.65	5.6%	70,420	13.1%	3.13	-6.6%	195.14	38.7%
2016.1	48.0	28,014	85	3,749	1.095	4,104	146.49	-13.2%	48,268	5.6%	3.03	-17.8%		
2016.2	42.0	28,793	120	5,730	1.095	6,272	217.84	-1.3%	52,103	-26.0%	4.18	33.4%	182.66	-6.4%
2017.1	36.0	28,145	111	5,730	1.091	6,251	222.09	51.6%	56,158	16.3%	3.95	30.3%		
2017.2	30.0	29,068	92	5,172	1.091	5,643	194.12	-10.9%	61,307	17.7%	3.17	-24.3%	207.88	13.8%
2018.1	24.0	28,936	90	4,757	1.093	5,201	179.75	-19.1%	57,637	2.6%	3.12	-21.1%		
2018.2	18.0	30,040	106	5,001	1.093	5,468	182.01	-6.2%	51,541	-15.9%	3.53	11.5%	180.90	-13.0%
2019.1	12.0	29,164	90	3,822	1.098	4,196	143.89	-19.9%	46,776	-18.8%	3.08	-1.4%		
2019.2	6.0	28,403	108	6,141	1.098	6,743	237.40	30.4%	62,627	21.5%	3.79	7.3%	190.03	5.0%
Total		1,035,261	4,132	171,796		187,360								







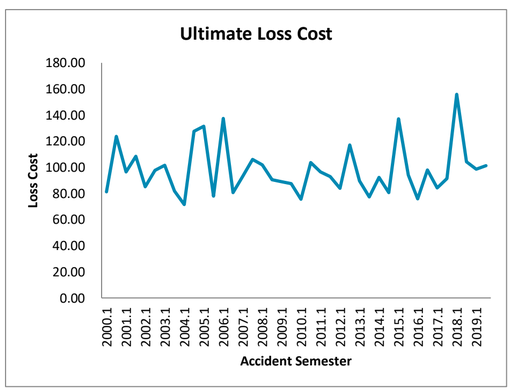
Province of Nova Scotia

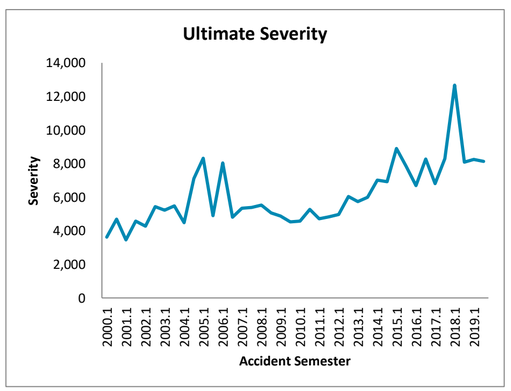
Third Party Liability - Total Property Damage

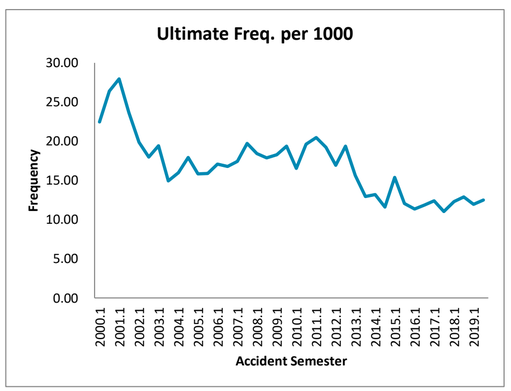
Commercial Vehicles (including Fleets)

Claims and ALAE Development Method
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Accident Semester	Maturity (in Months)	Earned Car Years	Ultimate Claim Counts	Ultimate Claims and ALAE (000)	ULAE Adjustment	Ultimate Losses & LAE (000)	Ultimate Loss Cost	% Change Seasonal Accident Half Years	Ultimate Severity	% Change Seasonal Accident Half Years	Ultimate Freq. per 1000	% Change Seasonal Accident Half Years	Annual Loss Cost & LAE	% Change Accident Years
2000.1	240.0	22,509	506	1,689	1.082	1,827	81.17		3,611		22.48			
2000.2	234.0	22,992	607	2,626	1.082	2,841	123.57		4,681		26.40		102.60	
2001.1	228.0	23,720	663	2,152	1.065	2,292	96.63	19.0%	3,457	-4.3%	27.95	24.3%		
2001.2	222.0	24,108	570	2,452	1.065	2,611	108.32	-12.3%	4,581	-2.1%	23.64	-10.4%	102.52	-0.1%
2002.1	216.0	22,681	451	1,790	1.077	1,928	84.99	-12.1%	4,274	23.6%	19.88	-28.9%		
2002.2	210.0	23,064	414	2,091	1.077	2,252	97.63	-9.9%	5,439	18.7%	17.95	-24.1%	91.36	-10.9%
2003.1	204.0	22,451	436	2,117	1.078	2,283	101.67	19.6%	5,235	22.5%	19.42	-2.3%		
2003.2	198.0	23,120	345	1,754	1.078	1,891	81.80	-16.2%	5,482	0.8%	14.92	-16.9%	91.59	0.2%
2004.1	192.0	23,228	371	1,457	1.140	1,661	71.50	-29.7%	4,477	-14.5%	15.97	-17.8%		
2004.2	186.0	24,230	434	2,710	1.140	3,089	127.51	55.9%	7,119	29.9%	17.91	20.0%	100.10	9.3%
2005.1	180.0	24,264	384	2,910	1.097	3,191	131.52	83.9%	8,311	85.6%	15.83	-0.9%		
2005.2	174.0	25,169	400	1,789	1.097	1,961	77.93	-38.9%	4,904	-31.1%	15.89	-11.3%	104.24	4.1%
2006.1	168.0	24,461	418	3,059	1.099	3,361	137.39	4.5%	8,040	-3.3%	17.09	8.0%		
2006.2	162.0	25,257	424	1,854	1.099	2,036	80.62	3.4%	4,802	-2.1%	16.79	5.6%	108.55	4.1%
2007.1	156.0	24,821	432	2,091	1.105	2,311	93.09	-32.2%	5,349	-33.5%	17.40	1.8%		
2007.2	150.0	25,326	499	2,432	1.105	2,687	106.10	31.6%	5,385	12.1%	19.70	17.4%	99.66	-8.2%
2008.1	144.0	24,677	455	2,295	1.095	2,512	101.81	9.4%	5,522	3.2%	18.44	5.9%		
2008.2	138.0	26,246	469	2,168	1.095	2,373	90.42	-14.8%	5,060	-6.0%	17.87	-9.3%	95.94	-3.7%
2009.1	132.0	25,562	467	2,056	1.106	2,273	88.92	-12.7%	4,867	-11.9%	18.27	-0.9%		
2009.2	126.0	25,691	497	2,033	1.106	2,248	87.48	-3.2%	4,522	-10.6%	19.35	8.3%	88.20	-8.1%
2010.1	120.0	25,067	414	1,709	1.108	1,893	75.51	-15.1%	4,572	-6.1%	16.52	-9.6%		
2010.2	114.0	25,724	505	2,405	1.108	2,664	103.57	18.4%	5,276	16.7%	19.63	1.5%	89.72	1.7%
2011.1	108.0	25,419	520	2,218	1.105	2,451	96.42	27.7%	4,713	3.1%	20.46	23.9%		
2011.2	102.0	26,560	511	2,236	1.105	2,471	93.05	-10.2%	4,836	-8.3%	19.24	-2.0%	94.70	5.5%
2012.1	96.0	26,474	448	2,039	1.090	2,223	83.96	-12.9%	4,963	5.3%	16.92	-17.3%		
2012.2	90.0	27,535	534	2,958	1.090	3,225	117.12	25.9%	6,040	24.9%	19.39	0.8%	100.87	6.5%
2013.1	84.0	26,870	420	2,199	1.094	2,405	89.51	6.6%	5,728	15.4%	15.63	-7.6%		
2013.2	78.0	27,215	352	1,925	1.094	2,105	77.36	-33.9%	5,982	-1.0%	12.93	-33.3%	83.40	-17.3%
2014.1	72.0	26,851	354	2,285	1.086	2,482	92.44	3.3%	7,015	22.5%	13.18	-15.7%		
2014.2	66.0	27,612	321	2,047	1.086	2,223	80.50	4.1%	6,929	15.8%	11.62	-10.2%	86.39	3.6%
2015.1	60.0	27,449	423	3,499	1.076	3,764	137.12	48.3%	8,904	26.9%	15.40	16.9%		
2015.2	54.0	28,344	341	2,481	1.076	2,669	94.17	17.0%	7,833	13.0%	12.02	3.5%	115.30	33.5%
2016.1	48.0	28,014	318	1,940	1.095	2,124	75.80	-44.7%	6,685	-24.9%	11.34	-26.4%		
2016.2	42.0	28,793	341	2,574	1.095	2,817	97.85	3.9%	8,274	5.6%	11.83	-1.6%	86.98	-24.6%
2017.1	36.0	28,145	348	2,175	1.091	2,372	84.29	11.2%	6,814	1.9%	12.37	9.1%		
2017.2	30.0	29,068	321	2,435	1.091	2,656	91.39	-6.6%	8,288	0.2%	11.03	-6.8%	87.90	1.1%
2018.1	24.0	28,936	356	4,126	1.093	4,511	155.91	85.0%	12,672	86.0%	12.30	-0.5%		
2018.2	18.0	30,040	387	2,864	1.093	3,131	104.22	14.0%	8,088	-2.4%	12.89	16.9%	129.58	47.4%
2019.1	12.0	29,164	349	2,616	1.098	2,872	98.49	-36.8%	8,238	-35.0%	11.95	-2.8%		
2019.2	6.0	28,403	354	2,622	1.098	2,879	101.36	-2.7%	8,125	0.5%	12.48	-3.2%	99.91	-22.9%
Total		1,035,261	17,157	92,878		101,567								







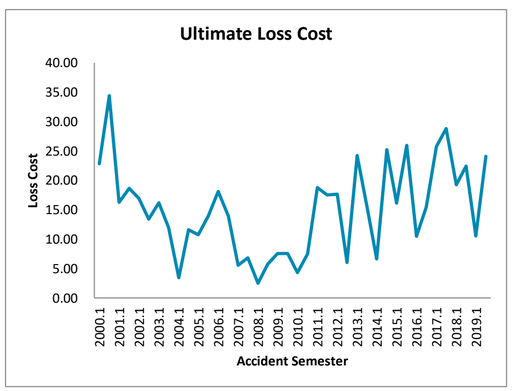
Province of Nova Scotia

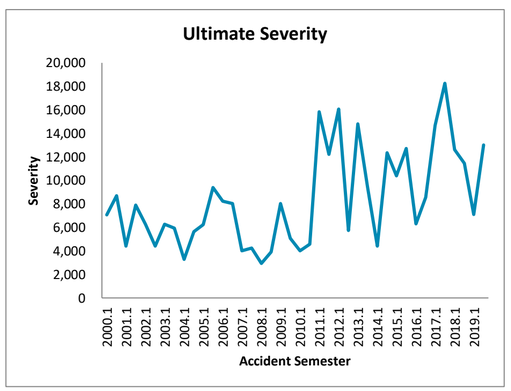
Accident Benefits - Total

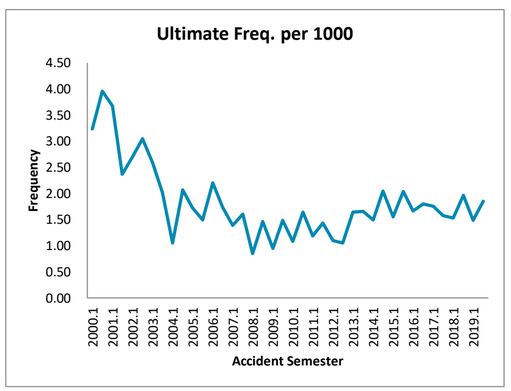
Commercial Vehicles (including Fleets)

Claims and ALAE Development Method
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Accident Semester	Maturity (in Months)	Earned Car Years	Ultimate Claim Counts	Ultimate Claims and ALAE (000)	ULAE Adjustment	Ultimate Losses & LAE (000)	Ultimate Loss Cost	% Change Seasonal Accident Half Years	Ultimate Severity	% Change Seasonal Accident Half Years	Ultimate Freq. per 1000	% Change Seasonal Accident Half Years	Annual Loss Cost & LAE	% Change Accident Years
2000.1	240.0	21,957	71	463	1.082	501	22.81		7,053		3.23			
2000.2	234.0	22,483	89	715	1.082	774	34.41		8,694		3.96		28.68	
2001.1	228.0	23,118	85	352	1.065	375	16.23	-28.8%	4,414	-37.4%	3.68	13.7%		
2001.2	222.0	23,680	56	415	1.065	442	18.65	-45.8%	7,885	-9.3%	2.36	-40.3%	17.45	-39.1%
2002.1	216.0	22,265	60	350	1.077	377	16.93	4.3%	6,281	42.3%	2.69	-26.7%		
2002.2	210.0	22,661	69	282	1.077	304	13.41	-28.1%	4,405	-44.1%	3.04	28.8%	15.15	-13.2%
2003.1	204.0	22,077	57	331	1.078	357	16.18	-4.4%	6,268	-0.2%	2.58	-4.2%		
2003.2	198.0	22,799	46	253	1.078	273	11.96	-10.9%	5,926	34.5%	2.02	-33.7%	14.04	-7.4%
2004.1	192.0	22,808	24	69	1.140	79	3.46	-78.6%	3,285	-47.6%	1.05	-59.2%		
2004.2	186.0	23,713	49	242	1.140	276	11.64	-2.6%	5,634	-4.9%	2.07	2.4%	7.63	-45.6%
2005.1	180.0	23,795	41	233	1.097	256	10.76	211.2%	6,243	90.1%	1.72	63.8%		
2005.2	174.0	24,802	37	317	1.097	348	14.02	20.4%	9,395	66.7%	1.49	-27.8%	12.42	62.8%
2006.1	168.0	24,088	53	397	1.099	436	18.12	68.4%	8,233	31.9%	2.20	27.7%		
2006.2	162.0	24,750	43	314	1.099	345	13.96	-0.4%	8,033	-14.5%	1.74	16.5%	16.01	28.9%
2007.1	156.0	24,431	34	123	1.105	136	5.57	-69.2%	4,005	-51.4%	1.39	-36.7%		
2007.2	150.0	24,880	40	154	1.105	170	6.84	-51.0%	4,253	-47.1%	1.61	-7.5%	6.21	-61.2%
2008.1	144.0	24,770	21	56	1.095	62	2.49	-55.3%	2,937	-26.7%	0.85	-39.1%		
2008.2	138.0	25,959	38	136	1.095	149	5.74	-16.0%	3,924	-7.7%	1.46	-9.0%	4.16	-33.1%
2009.1	132.0	25,430	24	174	1.106	192	7.57	203.9%	8,018	173.0%	0.94	11.3%		
2009.2	126.0	25,611	38	175	1.106	193	7.55	31.5%	5,089	29.7%	1.48	1.4%	7.56	81.9%
2010.1	120.0	24,951	27	97	1.108	108	4.33	-42.8%	3,998	-50.1%	1.08	14.7%		
2010.2	114.0	25,590	42	174	1.108	192	7.51	-0.5%	4,578	-10.0%	1.64	10.6%	5.94	-21.4%
2011.1	108.0	25,328	30	430	1.105	475	18.77	334.0%	15,850	296.5%	1.18	9.5%		
2011.2	102.0	26,528	38	420	1.105	465	17.52	133.2%	12,230	167.2%	1.43	-12.7%	18.13	205.3%
2012.1	96.0	26,452	29	428	1.090	466	17.63	-6.1%	16,079	1.4%	1.10	-7.4%		
2012.2	90.0	27,497	29	152	1.090	166	6.04	-65.5%	5,731	-53.1%	1.05	-26.4%	11.72	-35.3%
2013.1	84.0	26,841	44	596	1.094	651	24.26	37.6%	14,802	-7.9%	1.64	49.5%		
2013.2	78.0	27,201	45	388	1.094	424	15.59	157.9%	9,423	64.4%	1.65	56.9%	19.90	69.7%
2014.1	72.0	26,779	40	163	1.086	177	6.60	-72.8%	4,421	-70.1%	1.49	-8.9%		
2014.2	66.0	27,363	56	636	1.086	691	25.26	62.0%	12,342	31.0%	2.05	23.7%	16.03	-19.4%
2015.1	60.0	27,070	42	406	1.076	437	16.14	144.4%	10,401	135.3%	1.55	3.9%		
2015.2	54.0	27,979	57	675	1.076	726	25.94	2.7%	12,724	3.1%	2.04	-0.4%	21.12	31.7%
2016.1	48.0	27,658	46	265	1.095	290	10.47	-35.1%	6,287	-39.6%	1.67	7.3%		
2016.2	42.0	28,383	51	400	1.095	438	15.44	-40.5%	8,574	-32.6%	1.80	-11.7%	12.99	-38.5%
2017.1	36.0	27,886	49	659	1.091	718	25.76	146.0%	14,688	133.6%	1.75	5.3%		
2017.2	30.0	28,959	46	764	1.091	834	28.79	86.5%	18,259	113.0%	1.58	-12.4%	27.31	110.2%
2018.1	24.0	28,488	44	502	1.093	549	19.27	-25.2%	12,599	-14.2%	1.53	-12.8%		
2018.2	18.0	29,188	57	599	1.093	655	22.44	-22.1%	11,444	-37.3%	1.96	24.3%	20.87	-23.6%
2019.1	12.0	28,734	43	277	1.098	304	10.57	-45.2%	7,115	-43.5%	1.49	-2.9%		
2019.2	6.0	28,370	53	623	1.098	684	24.10	7.4%	13,021	13.8%	1.85	-5.6%	17.29	-17.2%
Total		1,023,322	1,842	14,207		15,495								







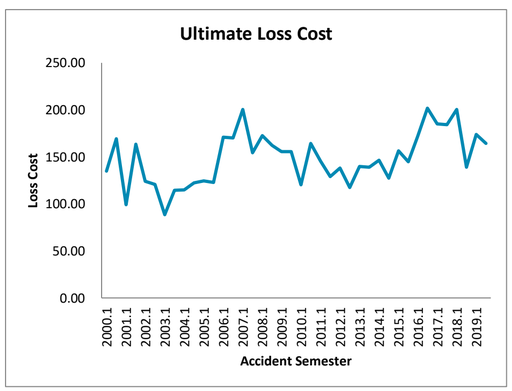
Province of Nova Scotia

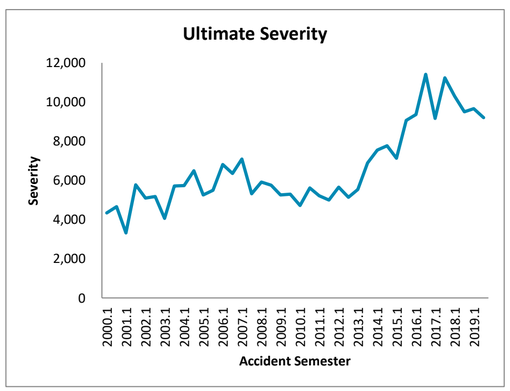
Collision

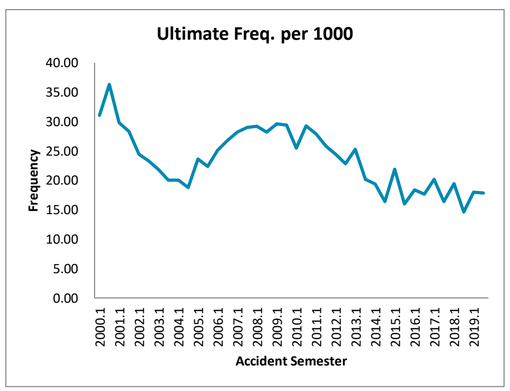
Commercial Vehicles (including Fleets)

Claims and ALAE Development Method
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Accident Semester	Maturity (in Months)	Earned Car Years	Ultimate Claim Counts	Ultimate Claims and ALAE (000)	ULAE Adjustment	Ultimate Losses & LAE (000)	Ultimate Loss Cost	% Change Seasonal Accident Half Years	Ultimate Severity	% Change Seasonal Accident Half Years	Ultimate Freq. per 1000	% Change Seasonal Accident Half Years	Annual Loss Cost & LAE	% Change Accident Years
2000.1	240.0	6,087	189	759	1.082	822	134.96		4,347		31.05			
2000.2	234.0	6,386	232	1,000	1.082	1,081	169.35		4,662		36.33		152.57	
2001.1	228.0	6,738	201	626	1.065	667	98.99	-26.7%	3,318	-23.7%	29.83	-3.9%		
2001.2	222.0	6,878	195	1,057	1.065	1,126	163.65	-3.4%	5,772	23.8%	28.35	-22.0%	131.65	-13.7%
2002.1	216.0	6,269	153	723	1.077	778	124.17	25.4%	5,088	53.3%	24.41	-18.2%		
2002.2	210.0	6,184	144	693	1.077	746	120.72	-26.2%	5,184	-10.2%	23.29	-17.9%	122.46	-7.0%
2003.1	204.0	6,000	131	493	1.078	531	88.50	-28.7%	4,053	-20.3%	21.83	-10.5%		
2003.2	198.0	6,034	121	642	1.078	692	114.64	-5.0%	5,717	10.3%	20.05	-13.9%	101.61	-17.0%
2004.1	192.0	5,980	120	603	1.140	687	114.91	29.8%	5,727	41.3%	20.07	-8.1%		
2004.2	186.0	6,169	116	661	1.140	754	122.19	6.6%	6,498	13.7%	18.80	-6.2%	118.60	16.7%
2005.1	180.0	6,136	145	695	1.097	763	124.27	8.1%	5,259	-8.2%	23.63	17.8%		
2005.2	174.0	6,385	143	715	1.097	785	122.88	0.6%	5,487	-15.6%	22.40	19.1%	123.56	4.2%
2006.1	168.0	6,340	159	987	1.099	1,084	170.95	37.6%	6,816	29.6%	25.08	6.1%		
2006.2	162.0	6,635	178	1,028	1.099	1,129	170.22	38.5%	6,345	15.7%	26.83	19.8%	170.58	38.1%
2007.1	156.0	6,660	188	1,208	1.105	1,335	200.38	17.2%	7,099	4.1%	28.23	12.5%		
2007.2	150.0	7,002	203	978	1.105	1,080	154.25	-9.4%	5,321	-16.1%	28.99	8.1%	176.74	3.6%
2008.1	144.0	6,914	202	1,091	1.095	1,195	172.79	-13.8%	5,914	-16.7%	29.22	3.5%		
2008.2	138.0	7,056	199	1,046	1.095	1,145	162.25	5.2%	5,753	8.1%	28.20	-2.7%	167.47	-5.2%
2009.1	132.0	6,929	205	974	1.106	1,077	155.44	-10.0%	5,254	-11.2%	29.58	1.3%		
2009.2	126.0	7,077	208	995	1.106	1,100	155.48	-4.2%	5,290	-8.1%	29.39	4.2%	155.46	-7.2%
2010.1	120.0	6,989	178	759	1.108	841	120.37	-22.6%	4,726	-10.1%	25.47	-13.9%		
2010.2	114.0	7,209	211	1,070	1.108	1,185	164.36	5.7%	5,616	6.2%	29.27	-0.4%	142.70	-8.2%
2011.1	108.0	7,104	198	935	1.105	1,034	145.53	20.9%	5,222	10.5%	27.87	9.4%		
2011.2	102.0	7,352	190	859	1.105	950	129.15	-21.4%	4,998	-11.0%	25.84	-11.7%	137.20	-3.9%
2012.1	96.0	7,284	178	924	1.090	1,007	138.26	-5.0%	5,658	8.4%	24.44	-12.3%		
2012.2	90.0	7,483	171	805	1.090	878	117.36	-9.1%	5,136	2.8%	22.85	-11.6%	127.67	-6.9%
2013.1	84.0	7,400	187	946	1.094	1,034	139.76	1.1%	5,530	-2.3%	25.27	3.4%		
2013.2	78.0	7,635	154	971	1.094	1,061	139.00	18.4%	6,892	34.2%	20.17	-11.7%	139.37	9.2%
2014.1	72.0	7,582	147	1,021	1.086	1,109	146.33	4.7%	7,547	36.5%	19.39	-23.3%		
2014.2	66.0	7,811	128	915	1.086	994	127.25	-8.5%	7,766	12.7%	16.39	-18.8%	136.65	-2.0%
2015.1	60.0	7,802	171	1,135	1.076	1,221	156.44	6.9%	7,138	-5.4%	21.92	13.0%		
2015.2	54.0	8,071	129	1,086	1.076	1,168	144.74	13.7%	9,056	16.6%	15.98	-2.5%	150.49	10.1%
2016.1	48.0	8,053	148	1,265	1.095	1,385	171.97	9.9%	9,357	31.1%	18.38	-16.1%		
2016.2	42.0	8,314	147	1,533	1.095	1,678	201.81	39.4%	11,415	26.0%	17.68	10.6%	187.13	24.3%
2017.1	36.0	8,277	167	1,403	1.091	1,531	184.94	7.5%	9,166	-2.0%	20.18	9.8%		
2017.2	30.0	8,651	142	1,462	1.091	1,595	184.36	-8.6%	11,233	-1.6%	16.41	-7.2%	184.65	-1.3%
2018.1	24.0	8,645	168	1,584	1.093	1,732	200.33	8.3%	10,309	12.5%	19.43	-3.7%		
2018.2	18.0	8,777	128	1,115	1.093	1,219	138.93	-24.6%	9,505	-15.4%	14.62	-10.9%	169.40	-8.3%
2019.1	12.0	8,593	155	1,362	1.098	1,495	173.97	-13.2%	9,668	-6.2%	17.99	-7.4%		
2019.2	6.0	8,650	155	1,296	1.098	1,423	164.49	18.4%	9,202	-3.2%	17.88	22.3%	169.22	-0.1%
Total		287,543	6,684	39,421		43,116								







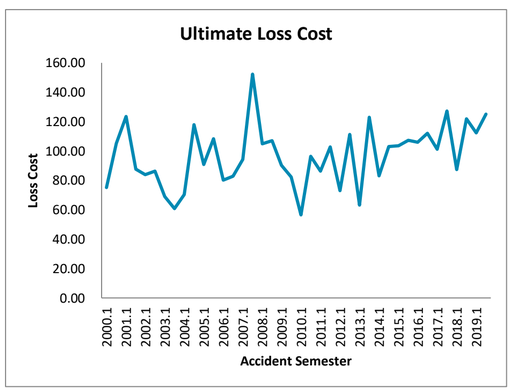
Province of Nova Scotia

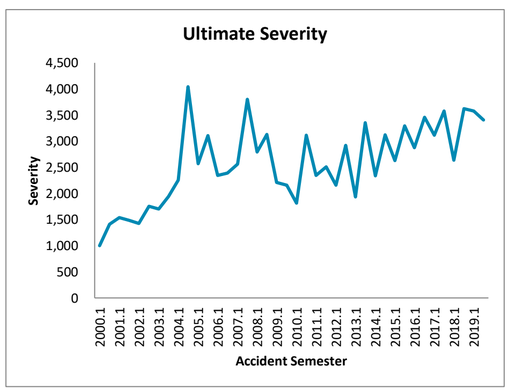
Comprehensive - Total

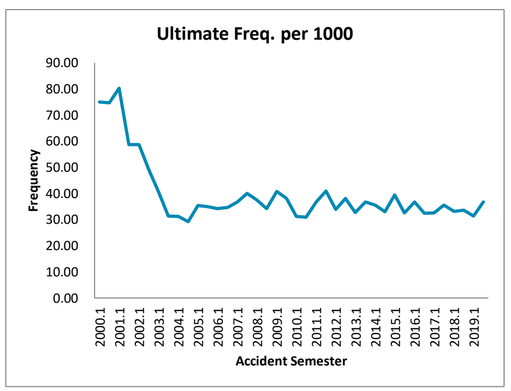
Commercial Vehicles (including Fleets)

Claims and ALAE Development Method
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Accident Semester	Maturity (in Months)	Earned Car Years	Ultimate Claim Counts	Ultimate Claims and ALAE (000)	ULAE Adjustment	Ultimate Losses & LAE (000)	Ultimate Loss Cost	% Change Seasonal Accident Half Years	Ultimate Severity	% Change Seasonal Accident Half Years	Ultimate Freq. per 1000	% Change Seasonal Accident Half Years	Annual Loss Cost & LAE	% Change Accident Years
2000.1	240.0	8,398	630	583	1.082	630	75.06		1,001		75.01			
2000.2	234.0	8,591	642	836	1.082	904	105.25		1,408		74.73		90.32	
2001.1	228.0	9,044	726	1,049	1.065	1,117	123.50	64.5%	1,538	53.8%	80.28	7.0%		
2001.2	222.0	9,172	539	754	1.065	803	87.50	-16.9%	1,489	5.7%	58.76	-21.4%	105.37	16.7%
2002.1	216.0	8,679	510	676	1.077	728	83.93	-32.0%	1,428	-7.2%	58.77	-26.8%		
2002.2	210.0	8,801	433	705	1.077	759	86.29	-1.4%	1,754	17.8%	49.20	-16.3%	85.12	-19.2%
2003.1	204.0	8,439	343	541	1.078	583	69.11	-17.7%	1,700	19.0%	40.64	-30.8%		
2003.2	198.0	8,406	263	474	1.078	511	60.77	-29.6%	1,942	10.8%	31.29	-36.4%	64.95	-23.7%
2004.1	192.0	8,295	259	512	1.140	584	70.35	1.8%	2,253	32.5%	31.22	-23.2%		
2004.2	186.0	8,323	243	862	1.140	982	118.04	94.2%	4,043	108.1%	29.20	-6.7%	94.23	45.1%
2005.1	180.0	8,182	289	677	1.097	743	90.76	29.0%	2,570	14.1%	35.32	13.1%		
2005.2	174.0	8,482	296	839	1.097	920	108.46	-8.1%	3,108	-23.1%	34.90	19.5%	99.77	5.9%
2006.1	168.0	8,398	287	613	1.099	674	80.23	-11.6%	2,347	-8.6%	34.18	-3.2%		
2006.2	162.0	8,686	301	654	1.099	718	82.72	-23.7%	2,387	-23.2%	34.66	-0.7%	81.49	-18.3%
2007.1	156.0	8,672	319	741	1.105	818	94.36	17.6%	2,565	9.3%	36.79	7.6%		
2007.2	150.0	8,956	359	1,234	1.105	1,364	152.30	84.1%	3,799	59.2%	40.09	15.7%	123.80	51.9%
2008.1	144.0	8,906	334	853	1.095	934	104.89	11.2%	2,797	9.0%	37.50	1.9%		
2008.2	138.0	9,113	312	892	1.095	977	107.15	-29.6%	3,130	-17.6%	34.24	-14.6%	106.03	-14.3%
2009.1	132.0	9,006	367	735	1.106	812	90.21	-14.0%	2,214	-20.8%	40.75	8.7%		
2009.2	126.0	9,185	350	684	1.106	756	82.28	-23.2%	2,159	-31.0%	38.10	11.3%	86.21	-18.7%
2010.1	120.0	9,135	285	466	1.108	516	56.52	-37.3%	1,812	-18.2%	31.20	-23.4%		
2010.2	114.0	9,396	291	818	1.108	907	96.49	17.3%	3,115	44.3%	30.97	-18.7%	76.79	-10.9%
2011.1	108.0	9,295	342	726	1.105	803	86.34	52.8%	2,347	29.5%	36.79	17.9%		
2011.2	102.0	9,561	391	888	1.105	982	102.66	6.4%	2,510	-19.4%	40.89	32.0%	94.61	23.2%
2012.1	96.0	9,521	322	638	1.090	696	73.10	-15.3%	2,161	-7.9%	33.82	-8.1%		
2012.2	90.0	9,714	370	992	1.090	1,082	111.36	8.5%	2,924	16.5%	38.09	-6.9%	92.42	-2.3%
2013.1	84.0	9,607	314	555	1.094	607	63.21	-13.5%	1,934	-10.5%	32.69	-3.4%		
2013.2	78.0	9,844	361	1,107	1.094	1,211	122.99	10.4%	3,354	14.7%	36.67	-3.7%	93.46	1.1%
2014.1	72.0	9,784	347	748	1.086	812	83.01	31.3%	2,341	21.0%	35.46	8.5%		
2014.2	66.0	10,042	332	954	1.086	1,036	103.12	-16.1%	3,119	-7.0%	33.06	-9.8%	93.20	-0.3%
2015.1	60.0	10,038	395	966	1.076	1,039	103.50	24.7%	2,630	12.4%	39.35	11.0%		
2015.2	54.0	10,320	336	1,030	1.076	1,108	107.36	4.1%	3,298	5.7%	32.56	-1.5%	105.46	13.2%
2016.1	48.0	10,354	381	1,001	1.095	1,096	105.87	2.3%	2,877	9.4%	36.80	-6.5%		
2016.2	42.0	10,667	346	1,092	1.095	1,195	112.07	4.4%	3,455	4.8%	32.44	-0.4%	109.02	3.4%
2017.1	36.0	10,586	344	982	1.091	1,071	101.21	-4.4%	3,115	8.3%	32.50	-11.7%		
2017.2	30.0	10,984	390	1,280	1.091	1,396	127.10	13.4%	3,580	3.6%	35.51	9.5%	114.39	4.9%
2018.1	24.0	10,945	363	873	1.093	955	87.23	-13.8%	2,633	-15.5%	33.13	2.0%		
2018.2	18.0	11,028	371	1,230	1.093	1,345	121.95	-4.1%	3,622	1.2%	33.66	-5.2%	104.66	-8.5%
2019.1	12.0	10,761	338	1,102	1.098	1,210	112.47	28.9%	3,582	36.0%	31.40	-5.2%		
2019.2	6.0	10,739	394	1,224	1.098	1,344	125.11	2.6%	3,409	-5.9%	36.70	9.0%	118.78	13.5%
Total		376,055	14,815	33,587		36,728								







Province of Nova Scotia

Third Party Liability - Bodily Injury

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Amount and ALAE Estimate
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
					(4) * (5)	Prior	(6) - (7)
			Reported Incurred Claim Amount and ALAE: Development Method				
Accident Semester	Maturity (in Months)	Paid Claim Amount and ALAE (000)	Reported Incurred Claim Amount and ALAE (000)	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Amount and ALAE Estimate	Prior	Difference
2000.1	240.0	3,996	3,996	1.000	3,996	3,996	0
2000.2	234.0	7,826	7,826	1.000	7,826	7,826	0
2001.1	228.0	9,410	9,410	1.000	9,410	9,410	0
2001.2	222.0	6,530	6,530	1.000	6,530	6,530	0
2002.1	216.0	5,427	5,427	1.000	5,427	5,427	0
2002.2	210.0	7,194	7,194	1.000	7,194	7,194	0
2003.1	204.0	4,487	4,487	1.000	4,487	4,487	0
2003.2	198.0	5,852	5,852	1.000	5,852	5,852	0
2004.1	192.0	3,646	3,646	1.000	3,646	3,646	0
2004.2	186.0	3,608	3,608	1.000	3,608	3,608	0
2005.1	180.0	2,221	2,221	1.000	2,221	2,221	0
2005.2	174.0	4,855	4,855	1.000	4,855	4,855	0
2006.1	168.0	3,196	3,196	1.000	3,196	3,196	0
2006.2	162.0	2,291	2,319	1.000	2,319	2,323	(4)
2007.1	156.0	2,830	2,830	1.000	2,830	2,830	0
2007.2	150.0	3,161	3,161	1.000	3,161	3,161	0
2008.1	144.0	3,912	3,912	1.000	3,912	3,912	0
2008.2	138.0	3,054	3,054	1.000	3,054	3,054	0
2009.1	132.0	2,766	2,766	1.000	2,766	2,766	0
2009.2	126.0	1,003	1,003	1.000	1,003	1,003	0
2010.1	120.0	2,776	3,059	1.000	3,059	3,024	35
2010.2	114.0	4,344	4,344	1.000	4,344	4,286	58
2011.1	108.0	3,123	3,353	0.998	3,347	3,294	52
2011.2	102.0	3,055	3,055	0.993	3,035	3,021	14
2012.1	96.0	2,113	2,217	0.991	2,196	2,330	(134)
2012.2	90.0	3,835	4,612	0.996	4,595	4,232	363
2013.1	84.0	2,066	2,118	1.009	2,137	1,991	147
2013.2	78.0	2,677	4,431	1.018	4,509	4,159	350
2014.1	72.0	1,552	1,746	1.000	1,745	1,768	(23)
2014.2	66.0	3,476	5,229	1.016	5,312	5,255	57
2015.1	60.0	3,563	4,219	1.021	4,307	3,905	402
2015.2	54.0	3,717	5,694	1.021	5,813	5,831	(18)
2016.1	48.0	2,601	3,558	1.054	3,749	3,739	10
2016.2	42.0	3,146	5,144	1.114	5,730	4,712	1,018
2017.1	36.0	2,717	5,065	1.131	5,730	6,426	(696)
2017.2	30.0	1,802	4,138	1.250	5,172	4,652	520
2018.1	24.0	958	3,589	1.326	4,757	4,974	(217)
2018.2	18.0	683	3,338	1.498	5,001	3,684	1,317
2019.1	12.0	258	2,237	1.709	3,822		
2019.2	6.0	50	2,475	2.481	6,141		
Total		135,778	160,915		171,796	158,581	3,252

Province of Nova Scotia

Third Party Liability - Total Property Damage

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Amount and ALAE Estimate
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
					(4) * (5)	Prior	(6) - (7)
			Reported Incurred Claim Amount and ALAE: Development Method				
Accident Semester	Maturity (in Months)	Paid Claim Amount and ALAE (000)	Reported Incurred Claim Amount and ALAE (000)	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Amount and ALAE Estimate	Prior	Difference
2000.1	240.0	1,689	1,689	1.000	1,689	1,689	0
2000.2	234.0	2,626	2,626	1.000	2,626	2,626	0
2001.1	228.0	2,152	2,152	1.000	2,152	2,152	0
2001.2	222.0	2,452	2,452	1.000	2,452	2,452	0
2002.1	216.0	1,790	1,790	1.000	1,790	1,790	0
2002.2	210.0	2,091	2,091	1.000	2,091	2,091	0
2003.1	204.0	2,117	2,117	1.000	2,117	2,117	0
2003.2	198.0	1,754	1,754	1.000	1,754	1,754	0
2004.1	192.0	1,457	1,457	1.000	1,457	1,457	0
2004.2	186.0	2,710	2,710	1.000	2,710	2,710	0
2005.1	180.0	2,910	2,910	1.000	2,910	2,910	0
2005.2	174.0	1,789	1,789	1.000	1,789	1,789	0
2006.1	168.0	3,059	3,059	1.000	3,059	3,059	0
2006.2	162.0	1,854	1,854	1.000	1,854	1,854	0
2007.1	156.0	2,091	2,091	1.000	2,091	2,091	0
2007.2	150.0	2,432	2,432	1.000	2,432	2,432	0
2008.1	144.0	2,295	2,295	1.000	2,295	2,295	0
2008.2	138.0	2,168	2,168	1.000	2,168	2,168	0
2009.1	132.0	2,056	2,056	1.000	2,056	2,056	0
2009.2	126.0	2,033	2,033	1.000	2,033	2,033	0
2010.1	120.0	1,709	1,709	1.000	1,709	1,709	0
2010.2	114.0	2,405	2,405	1.000	2,405	2,394	11
2011.1	108.0	2,206	2,218	1.000	2,218	2,211	7
2011.2	102.0	2,247	2,247	0.995	2,236	2,233	3
2012.1	96.0	2,045	2,045	0.997	2,039	2,036	3
2012.2	90.0	2,976	2,976	0.994	2,958	2,962	(4)
2013.1	84.0	2,210	2,210	0.995	2,199	2,192	8
2013.2	78.0	1,929	1,934	0.996	1,925	2,253	(328)
2014.1	72.0	2,321	2,321	0.985	2,285	2,310	(24)
2014.2	66.0	2,094	2,094	0.977	2,047	2,062	(15)
2015.1	60.0	3,577	3,580	0.977	3,499	3,577	(78)
2015.2	54.0	2,541	2,541	0.976	2,481	2,519	(38)
2016.1	48.0	1,958	1,958	0.991	1,940	1,969	(29)
2016.2	42.0	2,623	2,623	0.981	2,574	2,589	(16)
2017.1	36.0	2,206	2,208	0.985	2,175	2,166	9
2017.2	30.0	2,125	2,475	0.984	2,435	2,595	(160)
2018.1	24.0	4,004	4,202	0.982	4,126	4,152	(25)
2018.2	18.0	2,739	2,913	0.983	2,864	3,253	(389)
2019.1	12.0	2,419	2,656	0.985	2,616		
2019.2	6.0	1,301	2,448	1.071	2,622		
Total		91,160	93,287		92,878	88,706	(1,066)

Province of Nova Scotia

Accident Benefits - Total

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Amount and ALAE Estimate
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
					(4) * (5)	Prior	(6) - (7)
			Reported Incurred Claim Amount and ALAE: Development Method				
Accident Semester	Maturity (in Months)	Paid Claim Amount and ALAE (000)	Reported Incurred Claim Amount and ALAE (000)	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Amount and ALAE Estimate	Prior	Difference
2000.1	240.0	463	463	1.000	463	463	0
2000.2	234.0	715	715	1.000	715	715	0
2001.1	228.0	352	352	1.000	352	352	0
2001.2	222.0	415	415	1.000	415	415	0
2002.1	216.0	350	350	1.000	350	350	0
2002.2	210.0	282	282	1.000	282	282	0
2003.1	204.0	331	331	1.000	331	331	0
2003.2	198.0	253	253	1.000	253	253	0
2004.1	192.0	69	69	1.000	69	69	0
2004.2	186.0	242	242	1.000	242	242	0
2005.1	180.0	233	233	1.000	233	233	0
2005.2	174.0	317	317	1.000	317	317	0
2006.1	168.0	397	397	1.000	397	397	0
2006.2	162.0	314	314	1.000	314	314	0
2007.1	156.0	123	123	1.000	123	123	0
2007.2	150.0	154	154	1.000	154	154	0
2008.1	144.0	56	56	1.000	56	56	0
2008.2	138.0	136	136	1.000	136	136	0
2009.1	132.0	174	174	1.000	174	174	0
2009.2	126.0	175	175	1.000	175	175	(0)
2010.1	120.0	97	97	1.000	97	99	(2)
2010.2	114.0	173	173	1.002	174	176	(2)
2011.1	108.0	422	422	1.019	430	429	2
2011.2	102.0	414	414	1.016	420	336	85
2012.1	96.0	421	421	1.016	428	427	0
2012.2	90.0	148	148	1.027	152	149	3
2013.1	84.0	579	579	1.029	596	580	16
2013.2	78.0	365	380	1.020	388	360	28
2014.1	72.0	160	160	1.017	163	186	(23)
2014.2	66.0	381	623	1.021	636	616	21
2015.1	60.0	398	398	1.020	406	382	24
2015.2	54.0	575	662	1.019	675	778	(104)
2016.1	48.0	253	253	1.047	265	293	(28)
2016.2	42.0	282	356	1.123	400	471	(70)
2017.1	36.0	370	577	1.141	659	547	111
2017.2	30.0	306	658	1.161	764	412	353
2018.1	24.0	259	377	1.332	502	442	60
2018.2	18.0	264	453	1.323	599	642	(43)
2019.1	12.0	118	216	1.278	277		
2019.2	6.0	46	491	1.270	623		
Total		11,585	13,413		14,207	12,876	431

Province of Nova Scotia

Collision

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Amount and ALAE Estimate
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
					(4) * (5)	Prior	(6) - (7)
			Reported Incurred Claim Amount and ALAE: Development Method				
Accident Semester	Maturity (in Months)	Paid Claim Amount and ALAE (000)	Reported Incurred Claim Amount and ALAE (000)	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Amount and ALAE Estimate	Prior	Difference
2000.1	240.0	759	759	1.000	759	759	0
2000.2	234.0	1,000	1,000	1.000	1,000	1,000	0
2001.1	228.0	626	626	1.000	626	626	0
2001.2	222.0	1,057	1,057	1.000	1,057	1,057	0
2002.1	216.0	723	723	1.000	723	723	0
2002.2	210.0	693	693	1.000	693	693	0
2003.1	204.0	493	493	1.000	493	493	0
2003.2	198.0	642	642	1.000	642	642	0
2004.1	192.0	603	603	1.000	603	603	0
2004.2	186.0	661	661	1.000	661	661	0
2005.1	180.0	695	695	1.000	695	695	0
2005.2	174.0	715	715	1.000	715	715	0
2006.1	168.0	987	987	1.000	987	987	0
2006.2	162.0	1,028	1,028	1.000	1,028	1,028	0
2007.1	156.0	1,208	1,208	1.000	1,208	1,208	0
2007.2	150.0	978	978	1.000	978	978	0
2008.1	144.0	1,091	1,091	1.000	1,091	1,091	0
2008.2	138.0	1,046	1,046	1.000	1,046	1,046	0
2009.1	132.0	974	974	1.000	974	974	0
2009.2	126.0	995	995	1.000	995	995	0
2010.1	120.0	759	759	1.000	759	759	0
2010.2	114.0	1,070	1,070	1.000	1,070	1,070	0
2011.1	108.0	935	935	1.000	935	935	0
2011.2	102.0	859	859	1.000	859	859	0
2012.1	96.0	924	924	1.000	924	924	0
2012.2	90.0	805	805	1.000	805	805	0
2013.1	84.0	946	946	1.000	946	946	0
2013.2	78.0	971	971	1.000	971	971	0
2014.1	72.0	1,021	1,021	1.000	1,021	1,021	0
2014.2	66.0	915	915	1.000	915	915	0
2015.1	60.0	1,131	1,135	1.000	1,135	1,133	1
2015.2	54.0	1,086	1,086	1.000	1,086	1,080	6
2016.1	48.0	1,265	1,265	1.000	1,265	1,265	0
2016.2	42.0	1,531	1,533	1.000	1,533	1,533	(1)
2017.1	36.0	1,403	1,403	1.000	1,403	1,403	(0)
2017.2	30.0	1,453	1,462	1.000	1,462	1,453	9
2018.1	24.0	1,530	1,584	1.000	1,584	1,622	(38)
2018.2	18.0	1,121	1,122	0.994	1,115	1,262	(147)
2019.1	12.0	1,305	1,369	0.995	1,362		
2019.2	6.0	752	1,312	0.988	1,296		
Total		38,758	39,450		39,421	36,932	(169)

Province of Nova Scotia

Comprehensive - Total

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Amount and ALAE Estimate
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
					(4) * (5)	Prior	(6) - (7)
			Reported Incurred Claim Amount and ALAE: Development Method				
Accident Semester	Maturity (in Months)	Paid Claim Amount and ALAE (000)	Reported Incurred Claim Amount and ALAE (000)	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Amount and ALAE Estimate	Prior	Difference
2000.1	240.0	583	583	1.000	583	583	0
2000.2	234.0	836	836	1.000	836	836	0
2001.1	228.0	1,049	1,049	1.000	1,049	1,049	0
2001.2	222.0	754	754	1.000	754	754	0
2002.1	216.0	676	676	1.000	676	676	0
2002.2	210.0	705	705	1.000	705	705	0
2003.1	204.0	541	541	1.000	541	541	0
2003.2	198.0	474	474	1.000	474	474	0
2004.1	192.0	512	512	1.000	512	512	0
2004.2	186.0	862	862	1.000	862	862	0
2005.1	180.0	677	677	1.000	677	677	0
2005.2	174.0	839	839	1.000	839	839	0
2006.1	168.0	613	613	1.000	613	613	0
2006.2	162.0	654	654	1.000	654	654	0
2007.1	156.0	741	741	1.000	741	741	0
2007.2	150.0	1,234	1,234	1.000	1,234	1,234	0
2008.1	144.0	853	853	1.000	853	853	0
2008.2	138.0	892	892	1.000	892	892	0
2009.1	132.0	735	735	1.000	735	735	0
2009.2	126.0	684	684	1.000	684	684	0
2010.1	120.0	466	466	1.000	466	466	0
2010.2	114.0	818	818	1.000	818	818	0
2011.1	108.0	726	726	1.000	726	726	0
2011.2	102.0	888	888	1.000	888	888	0
2012.1	96.0	638	638	1.000	638	638	0
2012.2	90.0	992	992	1.000	992	992	0
2013.1	84.0	555	555	1.000	555	555	0
2013.2	78.0	1,107	1,107	1.000	1,107	1,105	2
2014.1	72.0	748	748	1.000	748	747	1
2014.2	66.0	954	954	1.000	954	954	(0)
2015.1	60.0	966	966	1.000	966	966	0
2015.2	54.0	965	1,030	1.000	1,030	984	46
2016.1	48.0	1,001	1,001	1.000	1,001	1,001	(0)
2016.2	42.0	1,092	1,092	1.000	1,092	1,093	(1)
2017.1	36.0	982	982	1.000	982	979	3
2017.2	30.0	1,280	1,280	1.000	1,280	1,271	9
2018.1	24.0	867	875	0.998	873	890	(17)
2018.2	18.0	1,107	1,237	0.995	1,230	1,159	71
2019.1	12.0	1,081	1,109	0.994	1,102		
2019.2	6.0	781	1,159	1.056	1,224		
Total		32,929	33,537		33,587	31,147	114

Province of Nova Scotia

Third Party Liability - Bodily Injury

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Counts
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)
				(3) * (4)	Prior	(5) - (6)
		Reported Claim Counts: Development Method				
Accident Semester	Maturity (in Months)	Reported Claim Counts	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Counts	Prior	Difference
2000.1	240.0	116	1.000	116	116	0
2000.2	234.0	158	1.000	158	158	0
2001.1	228.0	182	1.000	182	182	0
2001.2	222.0	162	1.000	162	162	0
2002.1	216.0	126	1.000	126	126	0
2002.2	210.0	148	1.000	148	148	0
2003.1	204.0	134	1.000	134	134	0
2003.2	198.0	117	1.000	117	117	0
2004.1	192.0	86	1.000	86	86	0
2004.2	186.0	111	1.000	111	111	0
2005.1	180.0	94	1.000	94	94	0
2005.2	174.0	126	1.000	126	126	0
2006.1	168.0	100	1.000	100	100	0
2006.2	162.0	117	1.000	117	117	0
2007.1	156.0	105	1.000	105	105	0
2007.2	150.0	83	1.000	83	83	0
2008.1	144.0	76	1.000	76	76	0
2008.2	138.0	100	1.000	100	100	0
2009.1	132.0	83	1.000	83	83	0
2009.2	126.0	70	1.000	70	70	0
2010.1	120.0	74	1.000	74	74	0
2010.2	114.0	83	1.000	83	83	0
2011.1	108.0	102	1.000	102	102	0
2011.2	102.0	79	1.000	79	79	0
2012.1	96.0	76	1.000	76	76	0
2012.2	90.0	94	0.998	94	94	(0)
2013.1	84.0	93	0.998	93	93	(0)
2013.2	78.0	85	0.998	85	86	(1)
2014.1	72.0	68	0.996	68	68	(0)
2014.2	66.0	93	0.996	93	92	1
2015.1	60.0	102	0.994	101	99	2
2015.2	54.0	90	0.987	89	88	0
2016.1	48.0	86	0.989	85	87	(2)
2016.2	42.0	122	0.987	120	119	1
2017.1	36.0	112	0.994	111	110	1
2017.2	30.0	92	1.000	92	96	(4)
2018.1	24.0	89	1.014	90	82	8
2018.2	18.0	103	1.030	106	78	28
2019.1	12.0	84	1.068	90		
2019.2	6.0	86	1.252	108		
Total		4,107		4,132	3,900	35

Province of Nova Scotia

Third Party Liability - Total Property Damage

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Counts
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)
				(3) * (4)	Prior	(5) - (6)
		Reported Claim Counts: Development Method				
Accident Semester	Maturity (in Months)	Reported Claim Counts	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Counts	Prior	Difference
2000.1	240.0	506	1.000	506	506	0
2000.2	234.0	607	1.000	607	607	0
2001.1	228.0	663	1.000	663	663	0
2001.2	222.0	570	1.000	570	570	0
2002.1	216.0	451	1.000	451	451	0
2002.2	210.0	414	1.000	414	414	0
2003.1	204.0	436	1.000	436	436	0
2003.2	198.0	345	1.000	345	345	0
2004.1	192.0	371	1.000	371	371	0
2004.2	186.0	434	1.000	434	434	0
2005.1	180.0	384	1.000	384	384	0
2005.2	174.0	400	1.000	400	400	0
2006.1	168.0	418	1.000	418	418	0
2006.2	162.0	424	1.000	424	424	0
2007.1	156.0	432	1.000	432	432	0
2007.2	150.0	499	1.000	499	499	0
2008.1	144.0	455	1.000	455	455	0
2008.2	138.0	469	1.000	469	469	0
2009.1	132.0	467	1.000	467	467	0
2009.2	126.0	497	1.000	497	497	0
2010.1	120.0	414	1.000	414	414	0
2010.2	114.0	505	1.000	505	505	0
2011.1	108.0	520	1.000	520	521	(1)
2011.2	102.0	511	1.000	511	511	0
2012.1	96.0	448	1.000	448	448	(0)
2012.2	90.0	534	1.000	534	534	(0)
2013.1	84.0	420	1.000	420	420	(0)
2013.2	78.0	352	1.000	352	352	(0)
2014.1	72.0	354	1.000	354	355	(1)
2014.2	66.0	321	0.999	321	321	(0)
2015.1	60.0	423	0.999	423	419	4
2015.2	54.0	341	0.999	341	337	4
2016.1	48.0	318	0.999	318	320	(2)
2016.2	42.0	341	0.999	341	340	0
2017.1	36.0	349	0.998	348	345	4
2017.2	30.0	321	0.999	321	321	(1)
2018.1	24.0	355	1.003	356	362	(6)
2018.2	18.0	386	1.003	387	379	8
2019.1	12.0	349	0.999	349		
2019.2	6.0	351	1.010	354		
Total		17,155		17,157	16,446	8

Province of Nova Scotia

Accident Benefits - Total

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Counts
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)
				(3) * (4)	Prior	(5) - (6)
		Reported Claim Counts: Development Method				
Accident Semester	Maturity (in Months)	Reported Claim Counts	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Counts	Prior	Difference
2000.1	240.0	71	1.000	71	71	0
2000.2	234.0	89	1.000	89	89	0
2001.1	228.0	85	1.000	85	85	0
2001.2	222.0	56	1.000	56	56	0
2002.1	216.0	60	1.000	60	60	0
2002.2	210.0	69	1.000	69	69	0
2003.1	204.0	57	1.000	57	57	0
2003.2	198.0	46	1.000	46	46	0
2004.1	192.0	24	1.000	24	24	0
2004.2	186.0	49	1.000	49	49	0
2005.1	180.0	41	1.000	41	41	0
2005.2	174.0	37	1.000	37	37	0
2006.1	168.0	53	1.000	53	53	0
2006.2	162.0	43	1.000	43	43	0
2007.1	156.0	34	1.000	34	34	0
2007.2	150.0	40	1.000	40	40	0
2008.1	144.0	21	1.000	21	21	0
2008.2	138.0	38	1.000	38	38	0
2009.1	132.0	24	1.000	24	24	0
2009.2	126.0	38	1.000	38	38	0
2010.1	120.0	27	1.000	27	27	0
2010.2	114.0	42	1.000	42	42	0
2011.1	108.0	30	1.000	30	30	0
2011.2	102.0	38	1.000	38	38	0
2012.1	96.0	29	1.000	29	29	0
2012.2	90.0	29	1.000	29	29	0
2013.1	84.0	44	1.000	44	44	0
2013.2	78.0	45	1.000	45	45	0
2014.1	72.0	40	1.000	40	40	0
2014.2	66.0	56	1.000	56	56	0
2015.1	60.0	42	1.000	42	40	2
2015.2	54.0	57	1.001	57	57	(0)
2016.1	48.0	46	1.001	46	49	(3)
2016.2	42.0	51	1.002	51	52	(1)
2017.1	36.0	49	0.998	49	50	(1)
2017.2	30.0	46	0.993	46	47	(1)
2018.1	24.0	44	0.990	44	41	3
2018.2	18.0	59	0.970	57	59	(2)
2019.1	12.0	46	0.928	43		
2019.2	6.0	61	0.861	53		
Total		1,856		1,842	1,748	(2)

Province of Nova Scotia

Collision

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Counts
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)
				(3) * (4)	Prior	(5) - (6)
		Reported Claim Counts: Development Method				
Accident Semester	Maturity (in Months)	Reported Claim Counts	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Counts	Prior	Difference
2000.1	240.0	189	1.000	189	189	0
2000.2	234.0	232	1.000	232	232	0
2001.1	228.0	201	1.000	201	201	0
2001.2	222.0	195	1.000	195	195	0
2002.1	216.0	153	1.000	153	153	0
2002.2	210.0	144	1.000	144	144	0
2003.1	204.0	131	1.000	131	131	0
2003.2	198.0	121	1.000	121	121	0
2004.1	192.0	120	1.000	120	120	0
2004.2	186.0	116	1.000	116	116	0
2005.1	180.0	145	1.000	145	145	0
2005.2	174.0	143	1.000	143	143	0
2006.1	168.0	159	1.000	159	159	0
2006.2	162.0	178	1.000	178	178	0
2007.1	156.0	188	1.000	188	188	0
2007.2	150.0	203	1.000	203	203	0
2008.1	144.0	202	1.000	202	202	0
2008.2	138.0	199	1.000	199	199	0
2009.1	132.0	205	1.000	205	205	0
2009.2	126.0	208	1.000	208	208	0
2010.1	120.0	178	1.000	178	178	0
2010.2	114.0	211	1.000	211	211	0
2011.1	108.0	198	1.000	198	198	0
2011.2	102.0	190	1.000	190	190	0
2012.1	96.0	178	1.000	178	178	0
2012.2	90.0	171	1.000	171	171	0
2013.1	84.0	187	1.000	187	187	0
2013.2	78.0	154	1.000	154	154	0
2014.1	72.0	147	1.000	147	147	0
2014.2	66.0	128	1.000	128	128	0
2015.1	60.0	171	1.000	171	171	0
2015.2	54.0	129	1.000	129	129	0
2016.1	48.0	148	1.000	148	146	2
2016.2	42.0	147	1.000	147	148	(1)
2017.1	36.0	167	1.000	167	168	(1)
2017.2	30.0	142	1.000	142	140	2
2018.1	24.0	168	1.000	168	167	1
2018.2	18.0	129	0.994	128	150	(22)
2019.1	12.0	156	0.991	155		
2019.2	6.0	165	0.937	155		
Total		6,696		6,684	6,393	(19)

Province of Nova Scotia

Comprehensive - Total

Commercial Vehicles (including Fleets)

Selected Ultimate Claim Counts
Data as of 12/31/19

(1)	(2)	(3)	(4)	(5)	(6)	(7)
				(3) * (4)	Prior	(5) - (6)
		Reported Claim Counts: Development Method				
Accident Semester	Maturity (in Months)	Reported Claim Counts	Selected Age-to-Ultimate Development Factors	Selected Ultimate Claim Counts	Prior	Difference
2000.1	240.0	630	1.000	630	630	0
2000.2	234.0	642	1.000	642	642	0
2001.1	228.0	726	1.000	726	726	0
2001.2	222.0	539	1.000	539	539	0
2002.1	216.0	510	1.000	510	510	0
2002.2	210.0	433	1.000	433	433	0
2003.1	204.0	343	1.000	343	343	0
2003.2	198.0	263	1.000	263	263	0
2004.1	192.0	259	1.000	259	259	0
2004.2	186.0	243	1.000	243	243	0
2005.1	180.0	289	1.000	289	289	0
2005.2	174.0	296	1.000	296	296	0
2006.1	168.0	287	1.000	287	287	0
2006.2	162.0	301	1.000	301	301	0
2007.1	156.0	319	1.000	319	319	0
2007.2	150.0	359	1.000	359	359	0
2008.1	144.0	334	1.000	334	334	0
2008.2	138.0	312	1.000	312	312	0
2009.1	132.0	367	1.000	367	367	0
2009.2	126.0	350	1.000	350	350	0
2010.1	120.0	285	1.000	285	285	0
2010.2	114.0	291	1.000	291	291	0
2011.1	108.0	342	1.000	342	342	0
2011.2	102.0	391	1.000	391	391	0
2012.1	96.0	322	1.000	322	322	0
2012.2	90.0	370	1.000	370	370	0
2013.1	84.0	314	1.000	314	314	0
2013.2	78.0	361	1.000	361	361	0
2014.1	72.0	347	1.000	347	348	(1)
2014.2	66.0	332	1.000	332	332	0
2015.1	60.0	395	1.000	395	395	0
2015.2	54.0	336	1.000	336	335	1
2016.1	48.0	381	1.000	381	381	0
2016.2	42.0	346	1.000	346	344	2
2017.1	36.0	344	1.000	344	344	0
2017.2	30.0	390	1.000	390	389	1
2018.1	24.0	362	1.002	363	354	8
2018.2	18.0	370	1.003	371	378	(7)
2019.1	12.0	335	1.009	338		
2019.2	6.0	343	1.149	394		
Total		14,759		14,815	14,077	5

BI

Coverage = BI
End Trend Period = 2019
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.026 (CI = +/-0.024; p = 0.038)	0.221	+2.60%
Loss Cost	2005	0.033 (CI = +/-0.025; p = 0.014)	0.338	+3.40%
Loss Cost	2006	0.042 (CI = +/-0.027; p = 0.005)	0.448	+4.28%
Loss Cost	2007	0.043 (CI = +/-0.032; p = 0.012)	0.404	+4.44%
Loss Cost	2008	0.050 (CI = +/-0.037; p = 0.013)	0.427	+5.10%
Loss Cost	2009	0.065 (CI = +/-0.038; p = 0.004)	0.586	+6.71%
Loss Cost	2010	0.043 (CI = +/-0.031; p = 0.012)	0.514	+4.39%
Loss Cost	2011	0.056 (CI = +/-0.032; p = 0.004)	0.667	+5.78%
Loss Cost	2012	0.058 (CI = +/-0.043; p = 0.016)	0.586	+5.96%
Loss Cost	2013	0.057 (CI = +/-0.060; p = 0.061)	0.444	+5.82%
Loss Cost	2014	0.039 (CI = +/-0.083; p = 0.264)	0.120	+3.95%
Loss Cost	2015	-0.007 (CI = +/-0.069; p = 0.772)	-0.290	-0.68%
Severity	2004	0.039 (CI = +/-0.019; p = 0.001)	0.547	+4.02%
Severity	2005	0.045 (CI = +/-0.021; p = 0.000)	0.605	+4.63%
Severity	2006	0.048 (CI = +/-0.024; p = 0.001)	0.588	+4.93%
Severity	2007	0.042 (CI = +/-0.026; p = 0.005)	0.483	+4.24%
Severity	2008	0.042 (CI = +/-0.031; p = 0.014)	0.419	+4.30%
Severity	2009	0.053 (CI = +/-0.035; p = 0.007)	0.519	+5.39%
Severity	2010	0.033 (CI = +/-0.029; p = 0.031)	0.394	+3.35%
Severity	2011	0.048 (CI = +/-0.026; p = 0.003)	0.690	+4.95%
Severity	2012	0.042 (CI = +/-0.034; p = 0.021)	0.551	+4.33%
Severity	2013	0.042 (CI = +/-0.047; p = 0.072)	0.410	+4.26%
Severity	2014	0.020 (CI = +/-0.052; p = 0.353)	0.020	+1.97%
Severity	2015	0.000 (CI = +/-0.073; p = 0.991)	-0.333	+0.03%
Frequency	2004	-0.014 (CI = +/-0.013; p = 0.037)	0.224	-1.36%
Frequency	2005	-0.012 (CI = +/-0.014; p = 0.101)	0.131	-1.17%
Frequency	2006	-0.006 (CI = +/-0.015; p = 0.376)	-0.012	-0.62%
Frequency	2007	0.002 (CI = +/-0.013; p = 0.752)	-0.081	+0.19%
Frequency	2008	0.008 (CI = +/-0.012; p = 0.191)	0.081	+0.77%
Frequency	2009	0.012 (CI = +/-0.013; p = 0.056)	0.275	+1.25%
Frequency	2010	0.010 (CI = +/-0.016; p = 0.174)	0.120	+1.01%
Frequency	2011	0.008 (CI = +/-0.020; p = 0.375)	-0.013	+0.79%
Frequency	2012	0.015 (CI = +/-0.022; p = 0.142)	0.210	+1.56%
Frequency	2013	0.015 (CI = +/-0.031; p = 0.279)	0.073	+1.50%
Frequency	2014	0.019 (CI = +/-0.047; p = 0.320)	0.054	+1.94%
Frequency	2015	-0.007 (CI = +/-0.036; p = 0.578)	-0.181	-0.71%

BI

Coverage = BI
End Trend Period = 2018
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.025 (CI = +/-0.028; p = 0.077)	0.161	+2.48%
Loss Cost	2005	0.033 (CI = +/-0.029; p = 0.030)	0.281	+3.39%
Loss Cost	2006	0.043 (CI = +/-0.032; p = 0.012)	0.401	+4.41%
Loss Cost	2007	0.045 (CI = +/-0.038; p = 0.024)	0.357	+4.62%
Loss Cost	2008	0.053 (CI = +/-0.044; p = 0.024)	0.389	+5.46%
Loss Cost	2009	0.072 (CI = +/-0.045; p = 0.006)	0.582	+7.52%
Loss Cost	2010	0.047 (CI = +/-0.039; p = 0.024)	0.474	+4.80%
Loss Cost	2011	0.065 (CI = +/-0.040; p = 0.007)	0.680	+6.71%
Loss Cost	2012	0.070 (CI = +/-0.055; p = 0.022)	0.617	+7.27%
Loss Cost	2013	0.073 (CI = +/-0.084; p = 0.073)	0.493	+7.60%
Loss Cost	2014	0.055 (CI = +/-0.138; p = 0.295)	0.132	+5.65%
Loss Cost	2015	-0.010 (CI = +/-0.160; p = 0.808)	-0.445	-1.02%
Severity	2004	0.041 (CI = +/-0.022; p = 0.002)	0.510	+4.14%
Severity	2005	0.048 (CI = +/-0.024; p = 0.001)	0.580	+4.87%
Severity	2006	0.051 (CI = +/-0.028; p = 0.002)	0.568	+5.25%
Severity	2007	0.044 (CI = +/-0.031; p = 0.010)	0.449	+4.50%
Severity	2008	0.045 (CI = +/-0.038; p = 0.025)	0.385	+4.63%
Severity	2009	0.059 (CI = +/-0.042; p = 0.012)	0.510	+6.04%
Severity	2010	0.036 (CI = +/-0.037; p = 0.056)	0.345	+3.63%
Severity	2011	0.056 (CI = +/-0.032; p = 0.005)	0.714	+5.79%
Severity	2012	0.051 (CI = +/-0.044; p = 0.031)	0.569	+5.24%
Severity	2013	0.054 (CI = +/-0.067; p = 0.090)	0.441	+5.50%
Severity	2014	0.026 (CI = +/-0.089; p = 0.415)	-0.029	+2.66%
Severity	2015	-0.001 (CI = +/-0.170; p = 0.975)	-0.499	-0.14%
Frequency	2004	-0.016 (CI = +/-0.014; p = 0.031)	0.258	-1.59%
Frequency	2005	-0.014 (CI = +/-0.016; p = 0.085)	0.163	-1.41%
Frequency	2006	-0.008 (CI = +/-0.017; p = 0.322)	0.006	-0.80%
Frequency	2007	0.001 (CI = +/-0.015; p = 0.873)	-0.097	+0.11%
Frequency	2008	0.008 (CI = +/-0.015; p = 0.258)	0.044	+0.80%
Frequency	2009	0.014 (CI = +/-0.016; p = 0.080)	0.252	+1.39%
Frequency	2010	0.011 (CI = +/-0.020; p = 0.224)	0.089	+1.13%
Frequency	2011	0.009 (CI = +/-0.026; p = 0.447)	-0.051	+0.88%
Frequency	2012	0.019 (CI = +/-0.031; p = 0.170)	0.207	+1.93%
Frequency	2013	0.020 (CI = +/-0.047; p = 0.307)	0.069	+1.99%
Frequency	2014	0.029 (CI = +/-0.078; p = 0.326)	0.085	+2.91%
Frequency	2015	-0.009 (CI = +/-0.085; p = 0.697)	-0.363	-0.88%

BI

Coverage = BI
End Trend Period = 2017
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.024 (CI = +/-0.032; p = 0.136)	0.107	+2.38%
Loss Cost	2005	0.034 (CI = +/-0.035; p = 0.056)	0.228	+3.43%
Loss Cost	2006	0.045 (CI = +/-0.038; p = 0.023)	0.359	+4.64%
Loss Cost	2007	0.048 (CI = +/-0.046; p = 0.041)	0.318	+4.94%
Loss Cost	2008	0.059 (CI = +/-0.055; p = 0.038)	0.363	+6.04%
Loss Cost	2009	0.084 (CI = +/-0.055; p = 0.008)	0.603	+8.78%
Loss Cost	2010	0.055 (CI = +/-0.050; p = 0.036)	0.470	+5.62%
Loss Cost	2011	0.081 (CI = +/-0.046; p = 0.006)	0.767	+8.47%
Loss Cost	2012	0.095 (CI = +/-0.063; p = 0.014)	0.769	+9.97%
Loss Cost	2013	0.112 (CI = +/-0.099; p = 0.036)	0.751	+11.87%
Loss Cost	2014	0.108 (CI = +/-0.231; p = 0.183)	0.502	+11.35%
Loss Cost	2015	0.030 (CI = +/-0.830; p = 0.729)	-0.658	+3.01%
Severity	2004	0.042 (CI = +/-0.026; p = 0.004)	0.466	+4.25%
Severity	2005	0.050 (CI = +/-0.028; p = 0.002)	0.548	+5.11%
Severity	2006	0.055 (CI = +/-0.033; p = 0.004)	0.542	+5.62%
Severity	2007	0.047 (CI = +/-0.038; p = 0.021)	0.407	+4.79%
Severity	2008	0.049 (CI = +/-0.047; p = 0.044)	0.344	+5.00%
Severity	2009	0.066 (CI = +/-0.052; p = 0.020)	0.501	+6.88%
Severity	2010	0.039 (CI = +/-0.049; p = 0.098)	0.288	+3.99%
Severity	2011	0.068 (CI = +/-0.039; p = 0.007)	0.760	+7.01%
Severity	2012	0.065 (CI = +/-0.059; p = 0.038)	0.625	+6.73%
Severity	2013	0.076 (CI = +/-0.099; p = 0.093)	0.553	+7.88%
Severity	2014	0.045 (CI = +/-0.191; p = 0.415)	0.013	+4.62%
Severity	2015	0.009 (CI = +/-1.109; p = 0.936)	-0.980	+0.89%
Frequency	2004	-0.018 (CI = +/-0.016; p = 0.034)	0.267	-1.79%
Frequency	2005	-0.016 (CI = +/-0.019; p = 0.090)	0.170	-1.60%
Frequency	2006	-0.009 (CI = +/-0.020; p = 0.332)	0.003	-0.93%
Frequency	2007	0.001 (CI = +/-0.018; p = 0.864)	-0.107	+0.14%
Frequency	2008	0.010 (CI = +/-0.018; p = 0.250)	0.056	+0.99%
Frequency	2009	0.018 (CI = +/-0.019; p = 0.067)	0.315	+1.78%
Frequency	2010	0.015 (CI = +/-0.025; p = 0.188)	0.147	+1.56%
Frequency	2011	0.014 (CI = +/-0.036; p = 0.375)	-0.009	+1.36%
Frequency	2012	0.030 (CI = +/-0.040; p = 0.105)	0.401	+3.04%
Frequency	2013	0.036 (CI = +/-0.067; p = 0.185)	0.327	+3.70%
Frequency	2014	0.062 (CI = +/-0.111; p = 0.138)	0.615	+6.43%
Frequency	2015	0.021 (CI = +/-0.279; p = 0.517)	-0.052	+2.10%

BI

Coverage = BI
End Trend Period = 2019
Excluded Points = 2009
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.021 (CI = +/-0.016; p = 0.015)	0.331	+2.13%
Loss Cost	2005	0.027 (CI = +/-0.017; p = 0.004)	0.470	+2.76%
Loss Cost	2006	0.033 (CI = +/-0.018; p = 0.002)	0.578	+3.40%
Loss Cost	2007	0.031 (CI = +/-0.021; p = 0.008)	0.471	+3.15%
Loss Cost	2008	0.032 (CI = +/-0.026; p = 0.021)	0.404	+3.28%
Loss Cost	2010	0.043 (CI = +/-0.031; p = 0.012)	0.514	+4.39%
Loss Cost	2011	0.056 (CI = +/-0.032; p = 0.004)	0.667	+5.78%
Loss Cost	2012	0.058 (CI = +/-0.043; p = 0.016)	0.586	+5.96%
Loss Cost	2013	0.057 (CI = +/-0.060; p = 0.061)	0.444	+5.82%
Loss Cost	2014	0.039 (CI = +/-0.083; p = 0.264)	0.120	+3.95%
Loss Cost	2015	-0.007 (CI = +/-0.069; p = 0.772)	-0.290	-0.68%
Severity	2004	0.036 (CI = +/-0.016; p = 0.000)	0.627	+3.70%
Severity	2005	0.041 (CI = +/-0.017; p = 0.000)	0.670	+4.20%
Severity	2006	0.042 (CI = +/-0.020; p = 0.001)	0.627	+4.32%
Severity	2007	0.032 (CI = +/-0.019; p = 0.004)	0.537	+3.24%
Severity	2008	0.027 (CI = +/-0.023; p = 0.025)	0.384	+2.77%
Severity	2010	0.033 (CI = +/-0.029; p = 0.031)	0.394	+3.35%
Severity	2011	0.048 (CI = +/-0.026; p = 0.003)	0.690	+4.95%
Severity	2012	0.042 (CI = +/-0.034; p = 0.021)	0.551	+4.33%
Severity	2013	0.042 (CI = +/-0.047; p = 0.072)	0.410	+4.26%
Severity	2014	0.020 (CI = +/-0.052; p = 0.353)	0.020	+1.97%
Severity	2015	0.000 (CI = +/-0.073; p = 0.991)	-0.333	+0.03%
Frequency	2004	-0.015 (CI = +/-0.012; p = 0.015)	0.331	-1.51%
Frequency	2005	-0.014 (CI = +/-0.013; p = 0.044)	0.238	-1.39%
Frequency	2006	-0.009 (CI = +/-0.014; p = 0.196)	0.069	-0.88%
Frequency	2007	-0.001 (CI = +/-0.013; p = 0.880)	-0.097	-0.09%
Frequency	2008	0.005 (CI = +/-0.013; p = 0.418)	-0.029	+0.50%
Frequency	2010	0.010 (CI = +/-0.016; p = 0.174)	0.120	+1.01%
Frequency	2011	0.008 (CI = +/-0.020; p = 0.375)	-0.013	+0.79%
Frequency	2012	0.015 (CI = +/-0.022; p = 0.142)	0.210	+1.56%
Frequency	2013	0.015 (CI = +/-0.031; p = 0.279)	0.073	+1.50%
Frequency	2014	0.019 (CI = +/-0.047; p = 0.320)	0.054	+1.94%
Frequency	2015	-0.007 (CI = +/-0.036; p = 0.578)	-0.181	-0.71%

BI

Coverage = BI
End Trend Period = 2018
Excluded Points = 2009
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.020 (CI = +/-0.019; p = 0.037)	0.258	+2.03%
Loss Cost	2005	0.027 (CI = +/-0.020; p = 0.011)	0.406	+2.73%
Loss Cost	2006	0.034 (CI = +/-0.021; p = 0.004)	0.528	+3.47%
Loss Cost	2007	0.031 (CI = +/-0.025; p = 0.021)	0.406	+3.19%
Loss Cost	2008	0.033 (CI = +/-0.032; p = 0.047)	0.335	+3.36%
Loss Cost	2010	0.047 (CI = +/-0.039; p = 0.024)	0.474	+4.80%
Loss Cost	2011	0.065 (CI = +/-0.040; p = 0.007)	0.680	+6.71%
Loss Cost	2012	0.070 (CI = +/-0.055; p = 0.022)	0.617	+7.27%
Loss Cost	2013	0.073 (CI = +/-0.084; p = 0.073)	0.493	+7.60%
Loss Cost	2014	0.055 (CI = +/-0.138; p = 0.295)	0.132	+5.65%
Loss Cost	2015	-0.010 (CI = +/-0.160; p = 0.808)	-0.445	-1.02%
Severity	2004	0.038 (CI = +/-0.018; p = 0.001)	0.598	+3.84%
Severity	2005	0.043 (CI = +/-0.020; p = 0.001)	0.651	+4.43%
Severity	2006	0.045 (CI = +/-0.024; p = 0.002)	0.610	+4.61%
Severity	2007	0.033 (CI = +/-0.023; p = 0.009)	0.495	+3.39%
Severity	2008	0.028 (CI = +/-0.028; p = 0.051)	0.322	+2.86%
Severity	2010	0.036 (CI = +/-0.037; p = 0.056)	0.345	+3.63%
Severity	2011	0.056 (CI = +/-0.032; p = 0.005)	0.714	+5.79%
Severity	2012	0.051 (CI = +/-0.044; p = 0.031)	0.569	+5.24%
Severity	2013	0.054 (CI = +/-0.067; p = 0.090)	0.441	+5.50%
Severity	2014	0.026 (CI = +/-0.089; p = 0.415)	-0.029	+2.66%
Severity	2015	-0.001 (CI = +/-0.170; p = 0.975)	-0.499	-0.14%
Frequency	2004	-0.018 (CI = +/-0.013; p = 0.013)	0.368	-1.74%
Frequency	2005	-0.016 (CI = +/-0.015; p = 0.038)	0.276	-1.63%
Frequency	2006	-0.011 (CI = +/-0.016; p = 0.168)	0.099	-1.09%
Frequency	2007	-0.002 (CI = +/-0.015; p = 0.773)	-0.100	-0.20%
Frequency	2008	0.005 (CI = +/-0.016; p = 0.518)	-0.064	+0.48%
Frequency	2010	0.011 (CI = +/-0.020; p = 0.224)	0.089	+1.13%
Frequency	2011	0.009 (CI = +/-0.026; p = 0.447)	-0.051	+0.88%
Frequency	2012	0.019 (CI = +/-0.031; p = 0.170)	0.207	+1.93%
Frequency	2013	0.020 (CI = +/-0.047; p = 0.307)	0.069	+1.99%
Frequency	2014	0.029 (CI = +/-0.078; p = 0.326)	0.085	+2.91%
Frequency	2015	-0.009 (CI = +/-0.085; p = 0.697)	-0.363	-0.88%

BI

Coverage = BI
End Trend Period = 2017
Excluded Points = 2009
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.019 (CI = +/-0.022; p = 0.074)	0.194	+1.97%
Loss Cost	2005	0.027 (CI = +/-0.023; p = 0.025)	0.350	+2.76%
Loss Cost	2006	0.036 (CI = +/-0.025; p = 0.010)	0.488	+3.64%
Loss Cost	2007	0.033 (CI = +/-0.031; p = 0.041)	0.355	+3.34%
Loss Cost	2008	0.035 (CI = +/-0.041; p = 0.080)	0.285	+3.60%
Loss Cost	2010	0.055 (CI = +/-0.050; p = 0.036)	0.470	+5.62%
Loss Cost	2011	0.081 (CI = +/-0.046; p = 0.006)	0.767	+8.47%
Loss Cost	2012	0.095 (CI = +/-0.063; p = 0.014)	0.769	+9.97%
Loss Cost	2013	0.112 (CI = +/-0.099; p = 0.036)	0.751	+11.87%
Loss Cost	2014	0.108 (CI = +/-0.231; p = 0.183)	0.502	+11.35%
Loss Cost	2015	0.030 (CI = +/-0.830; p = 0.729)	-0.658	+3.01%
Severity	2004	0.039 (CI = +/-0.021; p = 0.002)	0.562	+3.96%
Severity	2005	0.046 (CI = +/-0.023; p = 0.001)	0.628	+4.67%
Severity	2006	0.048 (CI = +/-0.028; p = 0.004)	0.589	+4.94%
Severity	2007	0.035 (CI = +/-0.028; p = 0.021)	0.444	+3.55%
Severity	2008	0.029 (CI = +/-0.036; p = 0.098)	0.248	+2.95%
Severity	2010	0.039 (CI = +/-0.049; p = 0.098)	0.288	+3.99%
Severity	2011	0.068 (CI = +/-0.039; p = 0.007)	0.760	+7.01%
Severity	2012	0.065 (CI = +/-0.059; p = 0.038)	0.625	+6.73%
Severity	2013	0.076 (CI = +/-0.099; p = 0.093)	0.553	+7.88%
Severity	2014	0.045 (CI = +/-0.191; p = 0.415)	0.013	+4.62%
Severity	2015	0.009 (CI = +/-1.109; p = 0.936)	-0.980	+0.89%
Frequency	2004	-0.019 (CI = +/-0.015; p = 0.016)	0.373	-1.92%
Frequency	2005	-0.018 (CI = +/-0.018; p = 0.044)	0.281	-1.82%
Frequency	2006	-0.012 (CI = +/-0.020; p = 0.187)	0.095	-1.24%
Frequency	2007	-0.002 (CI = +/-0.019; p = 0.808)	-0.116	-0.20%
Frequency	2008	0.006 (CI = +/-0.021; p = 0.490)	-0.062	+0.63%
Frequency	2010	0.015 (CI = +/-0.025; p = 0.188)	0.147	+1.56%
Frequency	2011	0.014 (CI = +/-0.036; p = 0.375)	-0.009	+1.36%
Frequency	2012	0.030 (CI = +/-0.040; p = 0.105)	0.401	+3.04%
Frequency	2013	0.036 (CI = +/-0.067; p = 0.185)	0.327	+3.70%
Frequency	2014	0.062 (CI = +/-0.111; p = 0.138)	0.615	+6.43%
Frequency	2015	0.021 (CI = +/-0.279; p = 0.517)	-0.052	+2.10%

BI

Coverage = BI
End Trend Period = 2019
Excluded Points = 2009
Parameters Included: time, scalar_level_change
Scalar Level Change Start Date = 2010-04-01

Fit	Start Date	Time	Scalar_shift	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.041 (CI = +/-0.031; p = 0.012)	-0.226 (CI = +/-0.295; p = 0.120)	0.412	+4.24%
Loss Cost	2005	0.051 (CI = +/-0.028; p = 0.002)	-0.256 (CI = +/-0.257; p = 0.051)	0.598	+5.22%
Loss Cost	2006	0.058 (CI = +/-0.025; p = 0.000)	-0.263 (CI = +/-0.224; p = 0.026)	0.725	+5.98%
Loss Cost	2007	0.056 (CI = +/-0.027; p = 0.001)	-0.269 (CI = +/-0.230; p = 0.027)	0.669	+5.71%
Loss Cost	2008	0.055 (CI = +/-0.030; p = 0.003)	-0.277 (CI = +/-0.254; p = 0.036)	0.625	+5.63%
Loss Cost	2010	0.056 (CI = +/-0.032; p = 0.004)	-0.242 (CI = +/-0.308; p = 0.106)	0.627	+5.78%
Loss Cost	2011	0.056 (CI = +/-0.032; p = 0.004)		0.667	+5.78%
Loss Cost	2012	0.058 (CI = +/-0.043; p = 0.016)		0.586	+5.96%
Loss Cost	2013	0.057 (CI = +/-0.060; p = 0.061)		0.444	+5.82%
Loss Cost	2014	0.039 (CI = +/-0.083; p = 0.264)		0.120	+3.95%
Loss Cost	2015	-0.007 (CI = +/-0.069; p = 0.772)		-0.290	-0.68%
Severity	2004	0.053 (CI = +/-0.031; p = 0.003)	-0.182 (CI = +/-0.299; p = 0.209)	0.648	+5.42%
Severity	2005	0.060 (CI = +/-0.031; p = 0.001)	-0.205 (CI = +/-0.284; p = 0.140)	0.707	+6.20%
Severity	2006	0.062 (CI = +/-0.034; p = 0.002)	-0.207 (CI = +/-0.300; p = 0.156)	0.668	+6.36%
Severity	2007	0.053 (CI = +/-0.026; p = 0.001)	-0.230 (CI = +/-0.220; p = 0.043)	0.682	+5.42%
Severity	2008	0.049 (CI = +/-0.024; p = 0.001)	-0.266 (CI = +/-0.205; p = 0.017)	0.674	+5.02%
Severity	2010	0.048 (CI = +/-0.026; p = 0.003)	-0.282 (CI = +/-0.252; p = 0.033)	0.654	+4.95%
Severity	2011	0.048 (CI = +/-0.026; p = 0.003)		0.690	+4.95%
Severity	2012	0.042 (CI = +/-0.034; p = 0.021)		0.551	+4.33%
Severity	2013	0.042 (CI = +/-0.047; p = 0.072)		0.410	+4.26%
Severity	2014	0.020 (CI = +/-0.052; p = 0.353)		0.020	+1.97%
Severity	2015	0.000 (CI = +/-0.073; p = 0.991)		-0.333	+0.03%
Frequency	2004	-0.011 (CI = +/-0.024; p = 0.334)	-0.044 (CI = +/-0.235; p = 0.688)	0.286	-1.12%
Frequency	2005	-0.009 (CI = +/-0.027; p = 0.464)	-0.051 (CI = +/-0.246; p = 0.660)	0.184	-0.92%
Frequency	2006	-0.004 (CI = +/-0.026; p = 0.766)	-0.056 (CI = +/-0.231; p = 0.599)	0.006	-0.36%
Frequency	2007	0.003 (CI = +/-0.021; p = 0.775)	-0.040 (CI = +/-0.181; p = 0.630)	-0.187	+0.28%
Frequency	2008	0.006 (CI = +/-0.020; p = 0.519)	-0.011 (CI = +/-0.171; p = 0.888)	-0.154	+0.58%
Frequency	2010	0.008 (CI = +/-0.020; p = 0.375)	0.041 (CI = +/-0.188; p = 0.626)	0.031	+0.79%
Frequency	2011	0.008 (CI = +/-0.020; p = 0.375)		-0.013	+0.79%
Frequency	2012	0.015 (CI = +/-0.022; p = 0.142)		0.210	+1.56%
Frequency	2013	0.015 (CI = +/-0.031; p = 0.279)		0.073	+1.50%
Frequency	2014	0.019 (CI = +/-0.047; p = 0.320)		0.054	+1.94%
Frequency	2015	-0.007 (CI = +/-0.036; p = 0.578)		-0.181	-0.71%

Total PD

Coverage = Total PD
End Trend Period = 2019
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.003 (CI = +/-0.014; p = 0.707)	-0.060	+0.26%
Loss Cost	2005	0.002 (CI = +/-0.016; p = 0.783)	-0.070	+0.21%
Loss Cost	2006	0.004 (CI = +/-0.019; p = 0.646)	-0.064	+0.41%
Loss Cost	2007	0.008 (CI = +/-0.021; p = 0.404)	-0.021	+0.85%
Loss Cost	2008	0.013 (CI = +/-0.025; p = 0.252)	0.041	+1.35%
Loss Cost	2009	0.019 (CI = +/-0.028; p = 0.161)	0.118	+1.94%
Loss Cost	2010	0.019 (CI = +/-0.036; p = 0.247)	0.058	+1.94%
Loss Cost	2011	0.019 (CI = +/-0.046; p = 0.360)	-0.005	+1.91%
Loss Cost	2012	0.023 (CI = +/-0.061; p = 0.399)	-0.026	+2.28%
Loss Cost	2013	0.038 (CI = +/-0.080; p = 0.277)	0.075	+3.86%
Loss Cost	2014	0.030 (CI = +/-0.121; p = 0.531)	-0.119	+3.02%
Loss Cost	2015	0.011 (CI = +/-0.204; p = 0.879)	-0.321	+1.07%
Severity	2004	0.034 (CI = +/-0.020; p = 0.003)	0.442	+3.42%
Severity	2005	0.037 (CI = +/-0.023; p = 0.004)	0.450	+3.77%
Severity	2006	0.046 (CI = +/-0.023; p = 0.001)	0.574	+4.67%
Severity	2007	0.056 (CI = +/-0.022; p = 0.000)	0.713	+5.79%
Severity	2008	0.065 (CI = +/-0.023; p = 0.000)	0.772	+6.69%
Severity	2009	0.075 (CI = +/-0.024; p = 0.000)	0.836	+7.79%
Severity	2010	0.077 (CI = +/-0.029; p = 0.000)	0.797	+7.95%
Severity	2011	0.077 (CI = +/-0.038; p = 0.002)	0.739	+8.04%
Severity	2012	0.067 (CI = +/-0.047; p = 0.012)	0.620	+6.94%
Severity	2013	0.059 (CI = +/-0.064; p = 0.063)	0.438	+6.08%
Severity	2014	0.039 (CI = +/-0.086; p = 0.279)	0.102	+3.94%
Severity	2015	0.025 (CI = +/-0.145; p = 0.621)	-0.211	+2.53%
Frequency	2004	-0.031 (CI = +/-0.015; p = 0.001)	0.559	-3.06%
Frequency	2005	-0.035 (CI = +/-0.016; p = 0.000)	0.593	-3.42%
Frequency	2006	-0.042 (CI = +/-0.016; p = 0.000)	0.699	-4.07%
Frequency	2007	-0.048 (CI = +/-0.017; p = 0.000)	0.763	-4.67%
Frequency	2008	-0.051 (CI = +/-0.019; p = 0.000)	0.757	-5.01%
Frequency	2009	-0.056 (CI = +/-0.023; p = 0.000)	0.753	-5.43%
Frequency	2010	-0.057 (CI = +/-0.028; p = 0.002)	0.703	-5.57%
Frequency	2011	-0.058 (CI = +/-0.036; p = 0.006)	0.633	-5.68%
Frequency	2012	-0.045 (CI = +/-0.041; p = 0.037)	0.467	-4.36%
Frequency	2013	-0.021 (CI = +/-0.034; p = 0.166)	0.213	-2.09%
Frequency	2014	-0.009 (CI = +/-0.043; p = 0.598)	-0.155	-0.88%
Frequency	2015	-0.014 (CI = +/-0.074; p = 0.578)	-0.181	-1.43%

Total PD

Coverage = Total PD
End Trend Period = 2019
Excluded Points = 2015,2018
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	-0.007 (CI = +/-0.010; p = 0.127)	0.115	-0.72%
Loss Cost	2005	-0.009 (CI = +/-0.011; p = 0.104)	0.151	-0.87%
Loss Cost	2006	-0.008 (CI = +/-0.013; p = 0.201)	0.074	-0.78%
Loss Cost	2007	-0.004 (CI = +/-0.014; p = 0.499)	-0.053	-0.44%
Loss Cost	2008	0.000 (CI = +/-0.016; p = 0.952)	-0.124	-0.04%
Loss Cost	2009	0.005 (CI = +/-0.017; p = 0.557)	-0.084	+0.45%
Loss Cost	2010	0.003 (CI = +/-0.022; p = 0.747)	-0.145	+0.30%
Loss Cost	2011	0.001 (CI = +/-0.029; p = 0.905)	-0.196	+0.14%
Loss Cost	2012	0.005 (CI = +/-0.042; p = 0.758)	-0.217	+0.50%
Loss Cost	2013	0.025 (CI = +/-0.026; p = 0.056)	0.672	+2.53%
Loss Cost	2014	0.027 (CI = +/-0.057; p = 0.174)	0.524	+2.76%
Severity	2004	0.024 (CI = +/-0.020; p = 0.021)	0.316	+2.41%
Severity	2005	0.027 (CI = +/-0.022; p = 0.024)	0.325	+2.69%
Severity	2006	0.035 (CI = +/-0.023; p = 0.006)	0.501	+3.57%
Severity	2007	0.046 (CI = +/-0.020; p = 0.001)	0.716	+4.67%
Severity	2008	0.054 (CI = +/-0.020; p = 0.000)	0.811	+5.54%
Severity	2009	0.064 (CI = +/-0.016; p = 0.000)	0.922	+6.63%
Severity	2010	0.065 (CI = +/-0.020; p = 0.000)	0.900	+6.72%
Severity	2011	0.066 (CI = +/-0.027; p = 0.001)	0.866	+6.78%
Severity	2012	0.055 (CI = +/-0.027; p = 0.005)	0.857	+5.64%
Severity	2013	0.048 (CI = +/-0.039; p = 0.030)	0.779	+4.92%
Severity	2014	0.030 (CI = +/-0.013; p = 0.011)	0.969	+3.01%
Frequency	2004	-0.031 (CI = +/-0.018; p = 0.003)	0.501	-3.06%
Frequency	2005	-0.035 (CI = +/-0.020; p = 0.002)	0.543	-3.47%
Frequency	2006	-0.043 (CI = +/-0.020; p = 0.001)	0.666	-4.20%
Frequency	2007	-0.050 (CI = +/-0.021; p = 0.000)	0.745	-4.88%
Frequency	2008	-0.054 (CI = +/-0.024; p = 0.001)	0.746	-5.29%
Frequency	2009	-0.060 (CI = +/-0.028; p = 0.002)	0.751	-5.79%
Frequency	2010	-0.062 (CI = +/-0.036; p = 0.006)	0.706	-6.01%
Frequency	2011	-0.064 (CI = +/-0.048; p = 0.019)	0.641	-6.21%
Frequency	2012	-0.050 (CI = +/-0.059; p = 0.080)	0.471	-4.87%
Frequency	2013	-0.023 (CI = +/-0.049; p = 0.229)	0.241	-2.28%
Frequency	2014	-0.002 (CI = +/-0.047; p = 0.847)	-0.465	-0.24%

Total PD

Coverage = Total PD
End Trend Period = 2017
Excluded Points = 2015
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	-0.013 (CI = +/-0.010; p = 0.015)	0.378	-1.24%
Loss Cost	2005	-0.015 (CI = +/-0.010; p = 0.008)	0.476	-1.53%
Loss Cost	2006	-0.015 (CI = +/-0.012; p = 0.021)	0.407	-1.54%
Loss Cost	2007	-0.013 (CI = +/-0.015; p = 0.082)	0.247	-1.24%
Loss Cost	2008	-0.009 (CI = +/-0.017; p = 0.257)	0.061	-0.89%
Loss Cost	2009	-0.004 (CI = +/-0.020; p = 0.637)	-0.121	-0.41%
Loss Cost	2010	-0.009 (CI = +/-0.026; p = 0.425)	-0.043	-0.87%
Loss Cost	2011	-0.015 (CI = +/-0.035; p = 0.291)	0.087	-1.50%
Loss Cost	2012	-0.016 (CI = +/-0.057; p = 0.444)	-0.060	-1.57%
Loss Cost	2013	0.010 (CI = +/-0.025; p = 0.224)	0.403	+1.01%
Loss Cost	2014	0.003 (CI = +/-0.092; p = 0.742)	-0.690	+0.31%
Severity	2004	0.019 (CI = +/-0.023; p = 0.102)	0.153	+1.89%
Severity	2005	0.021 (CI = +/-0.027; p = 0.112)	0.156	+2.15%
Severity	2006	0.031 (CI = +/-0.028; p = 0.034)	0.343	+3.18%
Severity	2007	0.045 (CI = +/-0.027; p = 0.005)	0.608	+4.56%
Severity	2008	0.056 (CI = +/-0.027; p = 0.002)	0.742	+5.72%
Severity	2009	0.071 (CI = +/-0.020; p = 0.000)	0.917	+7.32%
Severity	2010	0.074 (CI = +/-0.026; p = 0.001)	0.898	+7.65%
Severity	2011	0.077 (CI = +/-0.037; p = 0.004)	0.869	+8.05%
Severity	2012	0.064 (CI = +/-0.045; p = 0.020)	0.828	+6.64%
Severity	2013	0.057 (CI = +/-0.092; p = 0.117)	0.668	+5.83%
Severity	2014	0.024 (CI = +/-0.041; p = 0.083)	0.966	+2.48%
Frequency	2004	-0.031 (CI = +/-0.022; p = 0.010)	0.418	-3.08%
Frequency	2005	-0.037 (CI = +/-0.025; p = 0.008)	0.471	-3.60%
Frequency	2006	-0.047 (CI = +/-0.025; p = 0.002)	0.628	-4.57%
Frequency	2007	-0.057 (CI = +/-0.025; p = 0.001)	0.744	-5.55%
Frequency	2008	-0.065 (CI = +/-0.029; p = 0.001)	0.772	-6.25%
Frequency	2009	-0.075 (CI = +/-0.032; p = 0.001)	0.819	-7.20%
Frequency	2010	-0.082 (CI = +/-0.040; p = 0.003)	0.815	-7.92%
Frequency	2011	-0.093 (CI = +/-0.054; p = 0.009)	0.814	-8.84%
Frequency	2012	-0.080 (CI = +/-0.080; p = 0.050)	0.694	-7.69%
Frequency	2013	-0.047 (CI = +/-0.075; p = 0.116)	0.672	-4.55%
Frequency	2014	-0.021 (CI = +/-0.133; p = 0.289)	0.615	-2.11%

Total PD

Coverage = Total PD
End Trend Period = 2019
Excluded Points = NA
Parameters Included: time, scalar_level_change
Scalar Level Change Start Date = 2013-04-01

Fit	Start Date	Time	Scalar_shift	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	-0.006 (CI = +/-0.027; p = 0.625)	0.100 (CI = +/-0.256; p = 0.415)	-0.083	-0.62%
Loss Cost	2005	-0.009 (CI = +/-0.032; p = 0.549)	0.116 (CI = +/-0.280; p = 0.387)	-0.087	-0.90%
Loss Cost	2006	-0.007 (CI = +/-0.038; p = 0.698)	0.104 (CI = +/-0.311; p = 0.475)	-0.105	-0.69%
Loss Cost	2007	0.001 (CI = +/-0.045; p = 0.975)	0.068 (CI = +/-0.338; p = 0.666)	-0.101	+0.07%
Loss Cost	2008	0.010 (CI = +/-0.053; p = 0.681)	0.027 (CI = +/-0.366; p = 0.870)	-0.062	+1.00%
Loss Cost	2009	0.021 (CI = +/-0.062; p = 0.452)	-0.014 (CI = +/-0.391; p = 0.938)	0.008	+2.13%
Loss Cost	2010	0.021 (CI = +/-0.075; p = 0.521)	-0.014 (CI = +/-0.437; p = 0.941)	-0.075	+2.15%
Loss Cost	2011	0.021 (CI = +/-0.090; p = 0.587)	-0.014 (CI = +/-0.491; p = 0.947)	-0.172	+2.12%
Loss Cost	2012	0.024 (CI = +/-0.107; p = 0.593)	-0.008 (CI = +/-0.565; p = 0.971)	-0.231	+2.40%
Loss Cost	2013	0.030 (CI = +/-0.121; p = 0.531)	0.076 (CI = +/-0.690; p = 0.775)	-0.130	+3.02%
Loss Cost	2014	0.030 (CI = +/-0.121; p = 0.531)		-0.119	+3.02%
Loss Cost	2015	0.011 (CI = +/-0.204; p = 0.879)		-0.321	+1.07%
Severity	2004	-0.005 (CI = +/-0.027; p = 0.671)	0.442 (CI = +/-0.256; p = 0.003)	0.709	-0.54%
Severity	2005	-0.006 (CI = +/-0.032; p = 0.693)	0.445 (CI = +/-0.283; p = 0.005)	0.699	-0.59%
Severity	2006	0.005 (CI = +/-0.036; p = 0.776)	0.388 (CI = +/-0.291; p = 0.014)	0.739	+0.47%
Severity	2007	0.020 (CI = +/-0.037; p = 0.254)	0.313 (CI = +/-0.279; p = 0.031)	0.806	+2.04%
Severity	2008	0.032 (CI = +/-0.042; p = 0.119)	0.263 (CI = +/-0.287; p = 0.068)	0.829	+3.22%
Severity	2009	0.047 (CI = +/-0.043; p = 0.038)	0.208 (CI = +/-0.275; p = 0.119)	0.867	+4.77%
Severity	2010	0.046 (CI = +/-0.052; p = 0.077)	0.210 (CI = +/-0.307; p = 0.150)	0.831	+4.70%
Severity	2011	0.046 (CI = +/-0.063; p = 0.125)	0.210 (CI = +/-0.345; p = 0.186)	0.778	+4.69%
Severity	2012	0.039 (CI = +/-0.070; p = 0.211)	0.197 (CI = +/-0.370; p = 0.230)	0.668	+3.98%
Severity	2013	0.039 (CI = +/-0.086; p = 0.279)	0.190 (CI = +/-0.489; p = 0.341)	0.456	+3.94%
Severity	2014	0.039 (CI = +/-0.086; p = 0.279)		0.102	+3.94%
Severity	2015	0.025 (CI = +/-0.145; p = 0.621)		-0.211	+2.53%
Frequency	2004	-0.001 (CI = +/-0.019; p = 0.928)	-0.343 (CI = +/-0.180; p = 0.001)	0.793	-0.08%
Frequency	2005	-0.003 (CI = +/-0.022; p = 0.772)	-0.330 (CI = +/-0.197; p = 0.003)	0.791	-0.30%
Frequency	2006	-0.012 (CI = +/-0.024; p = 0.312)	-0.284 (CI = +/-0.197; p = 0.009)	0.828	-1.16%
Frequency	2007	-0.020 (CI = +/-0.027; p = 0.139)	-0.245 (CI = +/-0.203; p = 0.023)	0.849	-1.93%
Frequency	2008	-0.022 (CI = +/-0.033; p = 0.168)	-0.236 (CI = +/-0.227; p = 0.043)	0.833	-2.15%
Frequency	2009	-0.026 (CI = +/-0.039; p = 0.174)	-0.222 (CI = +/-0.251; p = 0.076)	0.817	-2.52%
Frequency	2010	-0.025 (CI = +/-0.048; p = 0.262)	-0.224 (CI = +/-0.280; p = 0.100)	0.775	-2.44%
Frequency	2011	-0.025 (CI = +/-0.057; p = 0.330)	-0.224 (CI = +/-0.314; p = 0.132)	0.716	-2.45%
Frequency	2012	-0.015 (CI = +/-0.056; p = 0.515)	-0.205 (CI = +/-0.298; p = 0.137)	0.607	-1.52%
Frequency	2013	-0.009 (CI = +/-0.043; p = 0.598)	-0.114 (CI = +/-0.246; p = 0.266)	0.305	-0.88%
Frequency	2014	-0.009 (CI = +/-0.043; p = 0.598)		-0.155	-0.88%
Frequency	2015	-0.014 (CI = +/-0.074; p = 0.578)		-0.181	-1.43%

Total PD

Coverage = Total PD
End Trend Period = 2018
Excluded Points = NA
Parameters Included: time, scalar_level_change
Scalar Level Change Start Date = 2013-04-01

Fit	Start Date	Time	Scalar_shift	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	-0.007 (CI = +/-0.029; p = 0.627)	0.100 (CI = +/-0.268; p = 0.432)	-0.098	-0.67%
Loss Cost	2005	-0.010 (CI = +/-0.035; p = 0.548)	0.118 (CI = +/-0.297; p = 0.401)	-0.102	-0.99%
Loss Cost	2006	-0.008 (CI = +/-0.043; p = 0.695)	0.107 (CI = +/-0.333; p = 0.489)	-0.126	-0.78%
Loss Cost	2007	0.001 (CI = +/-0.053; p = 0.971)	0.067 (CI = +/-0.369; p = 0.692)	-0.130	+0.09%
Loss Cost	2008	0.013 (CI = +/-0.064; p = 0.660)	0.017 (CI = +/-0.409; p = 0.926)	-0.090	+1.28%
Loss Cost	2009	0.029 (CI = +/-0.078; p = 0.406)	-0.043 (CI = +/-0.448; p = 0.826)	-0.001	+2.96%
Loss Cost	2010	0.032 (CI = +/-0.100; p = 0.463)	-0.052 (CI = +/-0.522; p = 0.815)	-0.086	+3.27%
Loss Cost	2011	0.034 (CI = +/-0.129; p = 0.524)	-0.057 (CI = +/-0.611; p = 0.821)	-0.191	+3.50%
Loss Cost	2012	0.041 (CI = +/-0.165; p = 0.528)	-0.057 (CI = +/-0.729; p = 0.840)	-0.259	+4.18%
Loss Cost	2013	0.052 (CI = +/-0.202; p = 0.469)	0.023 (CI = +/-0.923; p = 0.941)	-0.147	+5.37%
Loss Cost	2014	0.052 (CI = +/-0.202; p = 0.469)		-0.086	+5.37%
Loss Cost	2015	0.036 (CI = +/-0.466; p = 0.774)		-0.423	+3.62%
Severity	2004	-0.006 (CI = +/-0.029; p = 0.655)	0.443 (CI = +/-0.269; p = 0.004)	0.679	-0.61%
Severity	2005	-0.007 (CI = +/-0.036; p = 0.673)	0.448 (CI = +/-0.299; p = 0.007)	0.668	-0.70%
Severity	2006	0.005 (CI = +/-0.041; p = 0.795)	0.388 (CI = +/-0.312; p = 0.020)	0.711	+0.49%
Severity	2007	0.023 (CI = +/-0.043; p = 0.250)	0.302 (CI = +/-0.301; p = 0.050)	0.788	+2.37%
Severity	2008	0.039 (CI = +/-0.049; p = 0.101)	0.235 (CI = +/-0.310; p = 0.119)	0.823	+4.01%
Severity	2009	0.063 (CI = +/-0.048; p = 0.018)	0.149 (CI = +/-0.278; p = 0.245)	0.888	+6.47%
Severity	2010	0.067 (CI = +/-0.062; p = 0.038)	0.136 (CI = +/-0.321; p = 0.339)	0.861	+6.94%
Severity	2011	0.072 (CI = +/-0.078; p = 0.064)	0.126 (CI = +/-0.371; p = 0.423)	0.822	+7.48%
Severity	2012	0.064 (CI = +/-0.096; p = 0.138)	0.126 (CI = +/-0.427; p = 0.458)	0.719	+6.63%
Severity	2013	0.065 (CI = +/-0.131; p = 0.213)	0.129 (CI = +/-0.599; p = 0.541)	0.531	+6.68%
Severity	2014	0.065 (CI = +/-0.131; p = 0.213)		0.271	+6.68%
Severity	2015	0.059 (CI = +/-0.305; p = 0.490)		-0.110	+6.13%
Frequency	2004	-0.001 (CI = +/-0.021; p = 0.956)	-0.343 (CI = +/-0.189; p = 0.002)	0.768	-0.05%
Frequency	2005	-0.003 (CI = +/-0.025; p = 0.801)	-0.330 (CI = +/-0.209; p = 0.005)	0.765	-0.29%
Frequency	2006	-0.013 (CI = +/-0.027; p = 0.325)	-0.280 (CI = +/-0.211; p = 0.014)	0.809	-1.26%
Frequency	2007	-0.023 (CI = +/-0.031; p = 0.137)	-0.235 (CI = +/-0.218; p = 0.038)	0.836	-2.23%
Frequency	2008	-0.027 (CI = +/-0.039; p = 0.157)	-0.218 (CI = +/-0.249; p = 0.078)	0.822	-2.62%
Frequency	2009	-0.034 (CI = +/-0.049; p = 0.148)	-0.192 (CI = +/-0.281; p = 0.149)	0.811	-3.30%
Frequency	2010	-0.035 (CI = +/-0.063; p = 0.224)	-0.188 (CI = +/-0.327; p = 0.209)	0.768	-3.43%
Frequency	2011	-0.038 (CI = +/-0.081; p = 0.283)	-0.183 (CI = +/-0.382; p = 0.274)	0.709	-3.70%
Frequency	2012	-0.023 (CI = +/-0.087; p = 0.500)	-0.183 (CI = +/-0.387; p = 0.260)	0.575	-2.30%
Frequency	2013	-0.012 (CI = +/-0.075; p = 0.635)	-0.106 (CI = +/-0.342; p = 0.396)	0.217	-1.23%
Frequency	2014	-0.012 (CI = +/-0.075; p = 0.635)		-0.220	-1.23%
Frequency	2015	-0.024 (CI = +/-0.168; p = 0.602)		-0.263	-2.36%

Total PD

Coverage = Total PD
End Trend Period = 2019
Excluded Points = 2015
Parameters Included: time, scalar_level_change
Scalar Level Change Start Date = 2013-04-01

Fit	Start Date	Time	Scalar_shift	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	-0.004 (CI = +/-0.027; p = 0.774)	0.050 (CI = +/-0.265; p = 0.691)	-0.150	-0.36%
Loss Cost	2005	-0.006 (CI = +/-0.032; p = 0.703)	0.062 (CI = +/-0.294; p = 0.650)	-0.159	-0.57%
Loss Cost	2006	-0.002 (CI = +/-0.039; p = 0.890)	0.044 (CI = +/-0.329; p = 0.772)	-0.183	-0.25%
Loss Cost	2007	0.007 (CI = +/-0.046; p = 0.735)	-0.006 (CI = +/-0.356; p = 0.969)	-0.169	+0.71%
Loss Cost	2008	0.019 (CI = +/-0.053; p = 0.429)	-0.064 (CI = +/-0.381; p = 0.709)	-0.086	+1.94%
Loss Cost	2009	0.034 (CI = +/-0.060; p = 0.220)	-0.127 (CI = +/-0.397; p = 0.475)	0.065	+3.49%
Loss Cost	2010	0.038 (CI = +/-0.075; p = 0.262)	-0.139 (CI = +/-0.456; p = 0.484)	0.000	+3.87%
Loss Cost	2011	0.041 (CI = +/-0.093; p = 0.315)	-0.144 (CI = +/-0.527; p = 0.514)	-0.083	+4.14%
Loss Cost	2012	0.046 (CI = +/-0.116; p = 0.335)	-0.140 (CI = +/-0.625; p = 0.568)	-0.117	+4.67%
Loss Cost	2013	0.053 (CI = +/-0.133; p = 0.292)	-0.053 (CI = +/-0.757; p = 0.837)	0.065	+5.50%
Loss Cost	2014	0.053 (CI = +/-0.133; p = 0.292)		0.136	+5.50%
Severity	2004	-0.005 (CI = +/-0.029; p = 0.726)	0.428 (CI = +/-0.282; p = 0.006)	0.670	-0.47%
Severity	2005	-0.005 (CI = +/-0.034; p = 0.752)	0.430 (CI = +/-0.315; p = 0.012)	0.659	-0.50%
Severity	2006	0.006 (CI = +/-0.038; p = 0.716)	0.365 (CI = +/-0.325; p = 0.032)	0.708	+0.65%
Severity	2007	0.023 (CI = +/-0.040; p = 0.215)	0.275 (CI = +/-0.310; p = 0.075)	0.791	+2.37%
Severity	2008	0.037 (CI = +/-0.044; p = 0.089)	0.211 (CI = +/-0.317; p = 0.163)	0.825	+3.77%
Severity	2009	0.055 (CI = +/-0.044; p = 0.020)	0.135 (CI = +/-0.288; p = 0.304)	0.883	+5.67%
Severity	2010	0.057 (CI = +/-0.055; p = 0.044)	0.131 (CI = +/-0.332; p = 0.372)	0.853	+5.82%
Severity	2011	0.058 (CI = +/-0.068; p = 0.078)	0.127 (CI = +/-0.384; p = 0.434)	0.807	+6.00%
Severity	2012	0.052 (CI = +/-0.080; p = 0.148)	0.122 (CI = +/-0.432; p = 0.478)	0.707	+5.29%
Severity	2013	0.051 (CI = +/-0.108; p = 0.226)	0.121 (CI = +/-0.611; p = 0.574)	0.511	+5.27%
Severity	2014	0.051 (CI = +/-0.108; p = 0.226)		0.247	+5.27%
Frequency	2004	0.001 (CI = +/-0.019; p = 0.902)	-0.379 (CI = +/-0.186; p = 0.001)	0.813	+0.11%
Frequency	2005	-0.001 (CI = +/-0.022; p = 0.949)	-0.368 (CI = +/-0.206; p = 0.002)	0.810	-0.07%
Frequency	2006	-0.009 (CI = +/-0.025; p = 0.439)	-0.321 (CI = +/-0.209; p = 0.007)	0.843	-0.89%
Frequency	2007	-0.016 (CI = +/-0.028; p = 0.222)	-0.281 (CI = +/-0.220; p = 0.018)	0.859	-1.63%
Frequency	2008	-0.018 (CI = +/-0.035; p = 0.276)	-0.275 (CI = +/-0.252; p = 0.036)	0.844	-1.76%
Frequency	2009	-0.021 (CI = +/-0.044; p = 0.295)	-0.262 (CI = +/-0.287; p = 0.068)	0.827	-2.06%
Frequency	2010	-0.019 (CI = +/-0.054; p = 0.433)	-0.269 (CI = +/-0.330; p = 0.093)	0.788	-1.85%
Frequency	2011	-0.018 (CI = +/-0.068; p = 0.530)	-0.271 (CI = +/-0.383; p = 0.128)	0.730	-1.76%
Frequency	2012	-0.006 (CI = +/-0.066; p = 0.815)	-0.262 (CI = +/-0.354; p = 0.110)	0.664	-0.59%
Frequency	2013	0.002 (CI = +/-0.035; p = 0.860)	-0.174 (CI = +/-0.197; p = 0.067)	0.689	+0.21%
Frequency	2014	0.002 (CI = +/-0.035; p = 0.860)		-0.317	+0.21%

AB Total

Coverage = AB Total
End Trend Period = 2019
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.075 (CI = +/-0.050; p = 0.006)	0.389	+7.84%
Loss Cost	2005	0.076 (CI = +/-0.057; p = 0.013)	0.340	+7.90%
Loss Cost	2006	0.092 (CI = +/-0.063; p = 0.008)	0.413	+9.60%
Loss Cost	2007	0.122 (CI = +/-0.059; p = 0.001)	0.623	+12.98%
Loss Cost	2008	0.124 (CI = +/-0.070; p = 0.003)	0.566	+13.19%
Loss Cost	2009	0.099 (CI = +/-0.076; p = 0.017)	0.431	+10.39%
Loss Cost	2010	0.086 (CI = +/-0.093; p = 0.067)	0.280	+8.93%
Loss Cost	2011	0.034 (CI = +/-0.080; p = 0.352)	-0.001	+3.43%
Loss Cost	2012	0.048 (CI = +/-0.103; p = 0.297)	0.041	+4.94%
Loss Cost	2013	0.012 (CI = +/-0.127; p = 0.815)	-0.186	+1.23%
Loss Cost	2014	0.030 (CI = +/-0.190; p = 0.687)	-0.194	+3.01%
Loss Cost	2015	0.007 (CI = +/-0.326; p = 0.951)	-0.331	+0.69%
Severity	2004	0.065 (CI = +/-0.042; p = 0.005)	0.407	+6.77%
Severity	2005	0.063 (CI = +/-0.048; p = 0.014)	0.335	+6.52%
Severity	2006	0.074 (CI = +/-0.054; p = 0.011)	0.384	+7.70%
Severity	2007	0.090 (CI = +/-0.059; p = 0.006)	0.466	+9.45%
Severity	2008	0.083 (CI = +/-0.069; p = 0.023)	0.358	+8.68%
Severity	2009	0.060 (CI = +/-0.076; p = 0.110)	0.176	+6.13%
Severity	2010	0.048 (CI = +/-0.093; p = 0.267)	0.045	+4.94%
Severity	2011	-0.007 (CI = +/-0.074; p = 0.841)	-0.136	-0.65%
Severity	2012	0.011 (CI = +/-0.094; p = 0.787)	-0.151	+1.09%
Severity	2013	0.015 (CI = +/-0.133; p = 0.786)	-0.181	+1.49%
Severity	2014	0.042 (CI = +/-0.193; p = 0.576)	-0.144	+4.31%
Severity	2015	0.021 (CI = +/-0.332; p = 0.851)	-0.315	+2.16%
Frequency	2004	0.010 (CI = +/-0.020; p = 0.308)	0.008	+1.00%
Frequency	2005	0.013 (CI = +/-0.023; p = 0.247)	0.032	+1.29%
Frequency	2006	0.017 (CI = +/-0.026; p = 0.166)	0.083	+1.76%
Frequency	2007	0.032 (CI = +/-0.022; p = 0.009)	0.431	+3.22%
Frequency	2008	0.041 (CI = +/-0.023; p = 0.002)	0.580	+4.15%
Frequency	2009	0.039 (CI = +/-0.027; p = 0.010)	0.489	+4.01%
Frequency	2010	0.037 (CI = +/-0.034; p = 0.035)	0.375	+3.80%
Frequency	2011	0.040 (CI = +/-0.043; p = 0.065)	0.322	+4.11%
Frequency	2012	0.037 (CI = +/-0.058; p = 0.165)	0.176	+3.81%
Frequency	2013	-0.003 (CI = +/-0.018; p = 0.735)	-0.170	-0.25%
Frequency	2014	-0.013 (CI = +/-0.016; p = 0.101)	0.413	-1.24%
Frequency	2015	-0.014 (CI = +/-0.028; p = 0.199)	0.299	-1.44%

AB Total

Coverage = AB Total
End Trend Period = 2018
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.082 (CI = +/-0.057; p = 0.008)	0.386	+8.55%
Loss Cost	2005	0.084 (CI = +/-0.066; p = 0.017)	0.339	+8.73%
Loss Cost	2006	0.103 (CI = +/-0.072; p = 0.009)	0.427	+10.87%
Loss Cost	2007	0.141 (CI = +/-0.064; p = 0.001)	0.676	+15.16%
Loss Cost	2008	0.147 (CI = +/-0.078; p = 0.002)	0.634	+15.86%
Loss Cost	2009	0.122 (CI = +/-0.088; p = 0.013)	0.507	+12.96%
Loss Cost	2010	0.111 (CI = +/-0.111; p = 0.051)	0.363	+11.73%
Loss Cost	2011	0.051 (CI = +/-0.102; p = 0.262)	0.071	+5.28%
Loss Cost	2012	0.077 (CI = +/-0.134; p = 0.201)	0.162	+7.99%
Loss Cost	2013	0.038 (CI = +/-0.185; p = 0.601)	-0.157	+3.86%
Loss Cost	2014	0.077 (CI = +/-0.305; p = 0.481)	-0.098	+7.99%
Loss Cost	2015	0.070 (CI = +/-0.714; p = 0.713)	-0.377	+7.28%
Severity	2004	0.072 (CI = +/-0.047; p = 0.006)	0.416	+7.51%
Severity	2005	0.071 (CI = +/-0.055; p = 0.016)	0.346	+7.33%
Severity	2006	0.085 (CI = +/-0.061; p = 0.011)	0.409	+8.86%
Severity	2007	0.106 (CI = +/-0.066; p = 0.005)	0.516	+11.16%
Severity	2008	0.100 (CI = +/-0.080; p = 0.020)	0.413	+10.57%
Severity	2009	0.075 (CI = +/-0.091; p = 0.094)	0.225	+7.82%
Severity	2010	0.065 (CI = +/-0.116; p = 0.226)	0.087	+6.73%
Severity	2011	0.000 (CI = +/-0.099; p = 0.992)	-0.167	-0.04%
Severity	2012	0.025 (CI = +/-0.130; p = 0.643)	-0.145	+2.52%
Severity	2013	0.036 (CI = +/-0.197; p = 0.639)	-0.175	+3.65%
Severity	2014	0.088 (CI = +/-0.313; p = 0.438)	-0.054	+9.15%
Severity	2015	0.083 (CI = +/-0.732; p = 0.673)	-0.340	+8.67%
Frequency	2004	0.010 (CI = +/-0.023; p = 0.387)	-0.014	+0.97%
Frequency	2005	0.013 (CI = +/-0.027; p = 0.312)	0.009	+1.30%
Frequency	2006	0.018 (CI = +/-0.030; p = 0.212)	0.059	+1.85%
Frequency	2007	0.035 (CI = +/-0.026; p = 0.012)	0.431	+3.59%
Frequency	2008	0.047 (CI = +/-0.026; p = 0.003)	0.613	+4.79%
Frequency	2009	0.047 (CI = +/-0.032; p = 0.010)	0.529	+4.76%
Frequency	2010	0.046 (CI = +/-0.041; p = 0.034)	0.423	+4.68%
Frequency	2011	0.052 (CI = +/-0.054; p = 0.057)	0.393	+5.33%
Frequency	2012	0.052 (CI = +/-0.076; p = 0.140)	0.257	+5.34%
Frequency	2013	0.002 (CI = +/-0.026; p = 0.844)	-0.236	+0.20%
Frequency	2014	-0.011 (CI = +/-0.028; p = 0.312)	0.105	-1.07%
Frequency	2015	-0.013 (CI = +/-0.065; p = 0.486)	-0.104	-1.28%

AB Total

Coverage = AB Total
End Trend Period = 2019
Excluded Points = NA
Parameters Included: time, scalar_level_change
Scalar Level Change Start Date = 2012-04-01

Fit	Start Date	Time	Scalar_shift	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.019 (CI = +/-0.094; p = 0.670)	0.609 (CI = +/-0.878; p = 0.158)	0.439	+1.93%
Loss Cost	2005	0.010 (CI = +/-0.111; p = 0.844)	0.658 (CI = +/-0.957; p = 0.160)	0.397	+1.03%
Loss Cost	2006	0.033 (CI = +/-0.126; p = 0.573)	0.543 (CI = +/-1.014; p = 0.264)	0.431	+3.38%
Loss Cost	2007	0.085 (CI = +/-0.121; p = 0.148)	0.317 (CI = +/-0.911; p = 0.457)	0.609	+8.92%
Loss Cost	2008	0.085 (CI = +/-0.142; p = 0.210)	0.318 (CI = +/-0.995; p = 0.488)	0.545	+8.86%
Loss Cost	2009	0.048 (CI = +/-0.143; p = 0.460)	0.400 (CI = +/-0.937; p = 0.354)	0.428	+4.92%
Loss Cost	2010	0.035 (CI = +/-0.159; p = 0.622)	0.400 (CI = +/-0.997; p = 0.375)	0.271	+3.53%
Loss Cost	2011	0.005 (CI = +/-0.123; p = 0.930)	0.249 (CI = +/-0.766; p = 0.456)	-0.056	+0.46%
Loss Cost	2012	0.012 (CI = +/-0.127; p = 0.815)	0.432 (CI = +/-0.880; p = 0.262)	0.128	+1.23%
Loss Cost	2013	0.012 (CI = +/-0.127; p = 0.815)		-0.186	+1.23%
Loss Cost	2014	0.030 (CI = +/-0.190; p = 0.687)		-0.194	+3.01%
Loss Cost	2015	0.007 (CI = +/-0.326; p = 0.951)		-0.331	+0.69%
Severity	2004	0.055 (CI = +/-0.086; p = 0.191)	0.117 (CI = +/-0.796; p = 0.755)	0.366	+5.62%
Severity	2005	0.047 (CI = +/-0.100; p = 0.323)	0.157 (CI = +/-0.868; p = 0.700)	0.289	+4.86%
Severity	2006	0.069 (CI = +/-0.114; p = 0.211)	0.050 (CI = +/-0.919; p = 0.906)	0.328	+7.12%
Severity	2007	0.100 (CI = +/-0.124; p = 0.103)	-0.085 (CI = +/-0.932; p = 0.842)	0.416	+10.53%
Severity	2008	0.089 (CI = +/-0.144; p = 0.196)	-0.047 (CI = +/-1.008; p = 0.919)	0.288	+9.30%
Severity	2009	0.056 (CI = +/-0.150; p = 0.412)	0.025 (CI = +/-0.986; p = 0.954)	0.073	+5.79%
Severity	2010	0.045 (CI = +/-0.169; p = 0.550)	0.025 (CI = +/-1.061; p = 0.957)	-0.091	+4.60%
Severity	2011	0.011 (CI = +/-0.118; p = 0.834)	-0.147 (CI = +/-0.735; p = 0.642)	-0.274	+1.06%
Severity	2012	0.015 (CI = +/-0.133; p = 0.786)	-0.046 (CI = +/-0.919; p = 0.902)	-0.377	+1.49%
Severity	2013	0.015 (CI = +/-0.133; p = 0.786)		-0.181	+1.49%
Severity	2014	0.042 (CI = +/-0.193; p = 0.576)		-0.144	+4.31%
Severity	2015	0.021 (CI = +/-0.332; p = 0.851)		-0.315	+2.16%
Frequency	2004	-0.036 (CI = +/-0.027; p = 0.013)	0.492 (CI = +/-0.249; p = 0.001)	0.554	-3.49%
Frequency	2005	-0.037 (CI = +/-0.032; p = 0.024)	0.501 (CI = +/-0.273; p = 0.002)	0.551	-3.65%
Frequency	2006	-0.036 (CI = +/-0.037; p = 0.059)	0.493 (CI = +/-0.299; p = 0.004)	0.544	-3.49%
Frequency	2007	-0.015 (CI = +/-0.027; p = 0.261)	0.402 (CI = +/-0.206; p = 0.001)	0.784	-1.45%
Frequency	2008	-0.004 (CI = +/-0.025; p = 0.729)	0.365 (CI = +/-0.177; p = 0.001)	0.863	-0.40%
Frequency	2009	-0.008 (CI = +/-0.028; p = 0.508)	0.374 (CI = +/-0.182; p = 0.001)	0.849	-0.83%
Frequency	2010	-0.010 (CI = +/-0.031; p = 0.460)	0.374 (CI = +/-0.196; p = 0.003)	0.817	-1.03%
Frequency	2011	-0.006 (CI = +/-0.030; p = 0.644)	0.396 (CI = +/-0.187; p = 0.002)	0.855	-0.60%
Frequency	2012	-0.003 (CI = +/-0.018; p = 0.735)	0.479 (CI = +/-0.126; p = 0.000)	0.950	-0.25%
Frequency	2013	-0.003 (CI = +/-0.018; p = 0.735)		-0.170	-0.25%
Frequency	2014	-0.013 (CI = +/-0.016; p = 0.101)		0.413	-1.24%
Frequency	2015	-0.014 (CI = +/-0.028; p = 0.199)		0.299	-1.44%

AB Total

Coverage = AB Total
End Trend Period = 2018
Excluded Points = NA
Parameters Included: time, scalar_level_change
Scalar Level Change Start Date = 2012-04-01

Fit	Start Date	Time	Scalar_shift	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.026 (CI = +/-0.105; p = 0.602)	0.583 (CI = +/-0.926; p = 0.195)	0.425	+2.61%
Loss Cost	2005	0.017 (CI = +/-0.126; p = 0.767)	0.628 (CI = +/-1.025; p = 0.205)	0.381	+1.76%
Loss Cost	2006	0.048 (CI = +/-0.146; p = 0.482)	0.479 (CI = +/-1.098; p = 0.354)	0.424	+4.91%
Loss Cost	2007	0.120 (CI = +/-0.138; p = 0.080)	0.166 (CI = +/-0.951; p = 0.702)	0.647	+12.78%
Loss Cost	2008	0.129 (CI = +/-0.167; p = 0.113)	0.134 (CI = +/-1.062; p = 0.779)	0.593	+13.77%
Loss Cost	2009	0.085 (CI = +/-0.180; p = 0.303)	0.256 (CI = +/-1.056; p = 0.585)	0.461	+8.83%
Loss Cost	2010	0.070 (CI = +/-0.212; p = 0.452)	0.274 (CI = +/-1.163; p = 0.585)	0.296	+7.22%
Loss Cost	2011	0.025 (CI = +/-0.174; p = 0.727)	0.185 (CI = +/-0.923; p = 0.628)	-0.059	+2.54%
Loss Cost	2012	0.038 (CI = +/-0.185; p = 0.601)	0.364 (CI = +/-1.058; p = 0.393)	0.148	+3.86%
Loss Cost	2013	0.038 (CI = +/-0.185; p = 0.601)		-0.157	+3.86%
Loss Cost	2014	0.077 (CI = +/-0.305; p = 0.481)		-0.098	+7.99%
Loss Cost	2015	0.070 (CI = +/-0.714; p = 0.713)		-0.377	+7.28%
Severity	2004	0.065 (CI = +/-0.094; p = 0.159)	0.078 (CI = +/-0.829; p = 0.840)	0.370	+6.70%
Severity	2005	0.059 (CI = +/-0.113; p = 0.271)	0.107 (CI = +/-0.920; p = 0.802)	0.291	+6.12%
Severity	2006	0.089 (CI = +/-0.130; p = 0.157)	-0.039 (CI = +/-0.976; p = 0.931)	0.351	+9.35%
Severity	2007	0.136 (CI = +/-0.140; p = 0.056)	-0.242 (CI = +/-0.970; p = 0.586)	0.481	+14.60%
Severity	2008	0.131 (CI = +/-0.171; p = 0.116)	-0.222 (CI = +/-1.087; p = 0.651)	0.357	+13.96%
Severity	2009	0.092 (CI = +/-0.191; p = 0.291)	-0.116 (CI = +/-1.120; p = 0.814)	0.122	+9.65%
Severity	2010	0.080 (CI = +/-0.227; p = 0.420)	-0.101 (CI = +/-1.243; p = 0.849)	-0.059	+8.35%
Severity	2011	0.029 (CI = +/-0.168; p = 0.679)	-0.204 (CI = +/-0.889; p = 0.581)	-0.309	+2.91%
Severity	2012	0.036 (CI = +/-0.197; p = 0.639)	-0.103 (CI = +/-1.125; p = 0.812)	-0.408	+3.65%
Severity	2013	0.036 (CI = +/-0.197; p = 0.639)		-0.175	+3.65%
Severity	2014	0.088 (CI = +/-0.313; p = 0.438)		-0.054	+9.15%
Severity	2015	0.083 (CI = +/-0.732; p = 0.673)		-0.340	+8.67%
Frequency	2004	-0.039 (CI = +/-0.029; p = 0.013)	0.505 (CI = +/-0.259; p = 0.001)	0.561	-3.83%
Frequency	2005	-0.042 (CI = +/-0.035; p = 0.023)	0.521 (CI = +/-0.286; p = 0.002)	0.560	-4.12%
Frequency	2006	-0.041 (CI = +/-0.043; p = 0.056)	0.518 (CI = +/-0.320; p = 0.005)	0.550	-4.06%
Frequency	2007	-0.016 (CI = +/-0.033; p = 0.306)	0.408 (CI = +/-0.231; p = 0.003)	0.773	-1.59%
Frequency	2008	-0.002 (CI = +/-0.032; p = 0.906)	0.355 (CI = +/-0.203; p = 0.004)	0.857	-0.17%
Frequency	2009	-0.008 (CI = +/-0.037; p = 0.644)	0.371 (CI = +/-0.215; p = 0.005)	0.840	-0.75%
Frequency	2010	-0.010 (CI = +/-0.043; p = 0.576)	0.375 (CI = +/-0.238; p = 0.008)	0.807	-1.04%
Frequency	2011	-0.004 (CI = +/-0.043; p = 0.839)	0.389 (CI = +/-0.230; p = 0.007)	0.848	-0.36%
Frequency	2012	0.002 (CI = +/-0.026; p = 0.844)	0.467 (CI = +/-0.148; p = 0.001)	0.954	+0.20%
Frequency	2013	0.002 (CI = +/-0.026; p = 0.844)		-0.236	+0.20%
Frequency	2014	-0.011 (CI = +/-0.028; p = 0.312)		0.105	-1.07%
Frequency	2015	-0.013 (CI = +/-0.065; p = 0.486)		-0.104	-1.28%

CL

Coverage = CL
End Trend Period = 2019
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.016 (CI = +/-0.017; p = 0.064)	0.169	+1.59%
Loss Cost	2005	0.010 (CI = +/-0.018; p = 0.229)	0.041	+1.04%
Loss Cost	2006	0.005 (CI = +/-0.019; p = 0.605)	-0.058	+0.46%
Loss Cost	2007	0.008 (CI = +/-0.022; p = 0.442)	-0.031	+0.79%
Loss Cost	2008	0.017 (CI = +/-0.022; p = 0.129)	0.136	+1.68%
Loss Cost	2009	0.028 (CI = +/-0.021; p = 0.015)	0.443	+2.82%
Loss Cost	2010	0.037 (CI = +/-0.021; p = 0.004)	0.623	+3.78%
Loss Cost	2011	0.044 (CI = +/-0.025; p = 0.005)	0.664	+4.47%
Loss Cost	2012	0.048 (CI = +/-0.033; p = 0.011)	0.633	+4.94%
Loss Cost	2013	0.043 (CI = +/-0.045; p = 0.057)	0.456	+4.36%
Loss Cost	2014	0.039 (CI = +/-0.068; p = 0.185)	0.237	+3.97%
Loss Cost	2015	0.013 (CI = +/-0.093; p = 0.689)	-0.252	+1.30%
Severity	2004	0.044 (CI = +/-0.020; p = 0.000)	0.597	+4.51%
Severity	2005	0.049 (CI = +/-0.022; p = 0.000)	0.619	+5.00%
Severity	2006	0.051 (CI = +/-0.025; p = 0.001)	0.593	+5.25%
Severity	2007	0.061 (CI = +/-0.026; p = 0.000)	0.678	+6.24%
Severity	2008	0.072 (CI = +/-0.026; p = 0.000)	0.778	+7.48%
Severity	2009	0.085 (CI = +/-0.024; p = 0.000)	0.863	+8.86%
Severity	2010	0.091 (CI = +/-0.028; p = 0.000)	0.859	+9.55%
Severity	2011	0.094 (CI = +/-0.036; p = 0.000)	0.825	+9.87%
Severity	2012	0.088 (CI = +/-0.047; p = 0.004)	0.745	+9.22%
Severity	2013	0.073 (CI = +/-0.058; p = 0.023)	0.611	+7.53%
Severity	2014	0.047 (CI = +/-0.067; p = 0.122)	0.362	+4.82%
Severity	2015	0.029 (CI = +/-0.106; p = 0.443)	-0.060	+2.96%
Frequency	2004	-0.028 (CI = +/-0.018; p = 0.005)	0.409	-2.80%
Frequency	2005	-0.038 (CI = +/-0.015; p = 0.000)	0.676	-3.77%
Frequency	2006	-0.047 (CI = +/-0.013; p = 0.000)	0.822	-4.55%
Frequency	2007	-0.053 (CI = +/-0.012; p = 0.000)	0.879	-5.13%
Frequency	2008	-0.055 (CI = +/-0.014; p = 0.000)	0.873	-5.40%
Frequency	2009	-0.057 (CI = +/-0.017; p = 0.000)	0.848	-5.54%
Frequency	2010	-0.054 (CI = +/-0.021; p = 0.000)	0.795	-5.27%
Frequency	2011	-0.050 (CI = +/-0.026; p = 0.003)	0.715	-4.92%
Frequency	2012	-0.040 (CI = +/-0.029; p = 0.015)	0.597	-3.91%
Frequency	2013	-0.030 (CI = +/-0.036; p = 0.083)	0.379	-2.95%
Frequency	2014	-0.008 (CI = +/-0.023; p = 0.378)	-0.004	-0.81%
Frequency	2015	-0.016 (CI = +/-0.033; p = 0.210)	0.276	-1.62%

CL

Coverage = CL
End Trend Period = 2018
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.016 (CI = +/-0.019; p = 0.099)	0.134	+1.61%
Loss Cost	2005	0.010 (CI = +/-0.021; p = 0.326)	0.004	+0.98%
Loss Cost	2006	0.003 (CI = +/-0.022; p = 0.780)	-0.083	+0.29%
Loss Cost	2007	0.006 (CI = +/-0.026; p = 0.592)	-0.067	+0.65%
Loss Cost	2008	0.017 (CI = +/-0.027; p = 0.202)	0.082	+1.68%
Loss Cost	2009	0.030 (CI = +/-0.026; p = 0.027)	0.410	+3.08%
Loss Cost	2010	0.043 (CI = +/-0.026; p = 0.006)	0.636	+4.35%
Loss Cost	2011	0.053 (CI = +/-0.030; p = 0.005)	0.720	+5.40%
Loss Cost	2012	0.062 (CI = +/-0.038; p = 0.008)	0.737	+6.35%
Loss Cost	2013	0.059 (CI = +/-0.057; p = 0.045)	0.593	+6.10%
Loss Cost	2014	0.062 (CI = +/-0.100; p = 0.143)	0.420	+6.38%
Loss Cost	2015	0.034 (CI = +/-0.199; p = 0.543)	-0.187	+3.43%
Severity	2004	0.044 (CI = +/-0.023; p = 0.001)	0.545	+4.51%
Severity	2005	0.049 (CI = +/-0.025; p = 0.001)	0.571	+5.07%
Severity	2006	0.052 (CI = +/-0.029; p = 0.002)	0.545	+5.38%
Severity	2007	0.064 (CI = +/-0.031; p = 0.001)	0.649	+6.57%
Severity	2008	0.078 (CI = +/-0.030; p = 0.000)	0.775	+8.14%
Severity	2009	0.095 (CI = +/-0.025; p = 0.000)	0.895	+9.98%
Severity	2010	0.106 (CI = +/-0.026; p = 0.000)	0.917	+11.15%
Severity	2011	0.114 (CI = +/-0.032; p = 0.000)	0.913	+12.02%
Severity	2012	0.112 (CI = +/-0.045; p = 0.001)	0.868	+11.86%
Severity	2013	0.100 (CI = +/-0.063; p = 0.012)	0.784	+10.50%
Severity	2014	0.075 (CI = +/-0.086; p = 0.070)	0.625	+7.80%
Severity	2015	0.064 (CI = +/-0.197; p = 0.296)	0.243	+6.62%
Frequency	2004	-0.028 (CI = +/-0.021; p = 0.012)	0.352	-2.78%
Frequency	2005	-0.040 (CI = +/-0.017; p = 0.000)	0.645	-3.90%
Frequency	2006	-0.049 (CI = +/-0.015; p = 0.000)	0.819	-4.83%
Frequency	2007	-0.057 (CI = +/-0.013; p = 0.000)	0.896	-5.56%
Frequency	2008	-0.062 (CI = +/-0.014; p = 0.000)	0.903	-5.97%
Frequency	2009	-0.065 (CI = +/-0.017; p = 0.000)	0.893	-6.28%
Frequency	2010	-0.063 (CI = +/-0.022; p = 0.000)	0.851	-6.12%
Frequency	2011	-0.061 (CI = +/-0.029; p = 0.002)	0.785	-5.91%
Frequency	2012	-0.050 (CI = +/-0.035; p = 0.014)	0.679	-4.92%
Frequency	2013	-0.041 (CI = +/-0.049; p = 0.081)	0.467	-3.98%
Frequency	2014	-0.013 (CI = +/-0.037; p = 0.336)	0.071	-1.32%
Frequency	2015	-0.030 (CI = +/-0.046; p = 0.106)	0.698	-2.99%

CL

Coverage = CL
End Trend Period = 2019
Excluded Points = 2016
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.014 (CI = +/-0.018; p = 0.113)	0.119	+1.39%
Loss Cost	2005	0.008 (CI = +/-0.018; p = 0.357)	-0.006	+0.81%
Loss Cost	2006	0.002 (CI = +/-0.019; p = 0.826)	-0.086	+0.20%
Loss Cost	2007	0.005 (CI = +/-0.022; p = 0.619)	-0.072	+0.51%
Loss Cost	2008	0.014 (CI = +/-0.023; p = 0.199)	0.084	+1.39%
Loss Cost	2009	0.025 (CI = +/-0.020; p = 0.021)	0.445	+2.53%
Loss Cost	2010	0.034 (CI = +/-0.019; p = 0.004)	0.685	+3.48%
Loss Cost	2011	0.041 (CI = +/-0.021; p = 0.003)	0.763	+4.19%
Loss Cost	2012	0.046 (CI = +/-0.026; p = 0.006)	0.769	+4.74%
Loss Cost	2013	0.043 (CI = +/-0.037; p = 0.034)	0.645	+4.36%
Loss Cost	2014	0.044 (CI = +/-0.063; p = 0.115)	0.490	+4.45%
Loss Cost	2015	0.026 (CI = +/-0.124; p = 0.467)	-0.073	+2.60%
Severity	2004	0.041 (CI = +/-0.020; p = 0.001)	0.577	+4.17%
Severity	2005	0.045 (CI = +/-0.022; p = 0.001)	0.602	+4.64%
Severity	2006	0.047 (CI = +/-0.025; p = 0.002)	0.575	+4.86%
Severity	2007	0.057 (CI = +/-0.026; p = 0.001)	0.674	+5.84%
Severity	2008	0.068 (CI = +/-0.025; p = 0.000)	0.792	+7.07%
Severity	2009	0.081 (CI = +/-0.021; p = 0.000)	0.895	+8.43%
Severity	2010	0.087 (CI = +/-0.024; p = 0.000)	0.901	+9.13%
Severity	2011	0.091 (CI = +/-0.031; p = 0.000)	0.879	+9.48%
Severity	2012	0.086 (CI = +/-0.041; p = 0.003)	0.825	+8.94%
Severity	2013	0.073 (CI = +/-0.051; p = 0.017)	0.745	+7.53%
Severity	2014	0.052 (CI = +/-0.060; p = 0.071)	0.620	+5.31%
Severity	2015	0.044 (CI = +/-0.136; p = 0.296)	0.243	+4.52%
Frequency	2004	-0.027 (CI = +/-0.019; p = 0.009)	0.370	-2.67%
Frequency	2005	-0.037 (CI = +/-0.016; p = 0.000)	0.653	-3.66%
Frequency	2006	-0.046 (CI = +/-0.014; p = 0.000)	0.811	-4.45%
Frequency	2007	-0.052 (CI = +/-0.013; p = 0.000)	0.873	-5.03%
Frequency	2008	-0.054 (CI = +/-0.015; p = 0.000)	0.867	-5.30%
Frequency	2009	-0.056 (CI = +/-0.018; p = 0.000)	0.843	-5.45%
Frequency	2010	-0.053 (CI = +/-0.023; p = 0.001)	0.790	-5.17%
Frequency	2011	-0.049 (CI = +/-0.029; p = 0.005)	0.709	-4.83%
Frequency	2012	-0.039 (CI = +/-0.032; p = 0.026)	0.592	-3.86%
Frequency	2013	-0.030 (CI = +/-0.042; p = 0.120)	0.367	-2.95%
Frequency	2014	-0.008 (CI = +/-0.030; p = 0.453)	-0.070	-0.82%
Frequency	2015	-0.019 (CI = +/-0.054; p = 0.281)	0.276	-1.84%

CL

Coverage = CL
End Trend Period = 2018
Excluded Points = 2016
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.013 (CI = +/-0.021; p = 0.190)	0.067	+1.32%
Loss Cost	2005	0.006 (CI = +/-0.022; p = 0.539)	-0.052	+0.63%
Loss Cost	2006	-0.001 (CI = +/-0.023; p = 0.898)	-0.098	-0.13%
Loss Cost	2007	0.002 (CI = +/-0.027; p = 0.877)	-0.108	+0.19%
Loss Cost	2008	0.012 (CI = +/-0.028; p = 0.357)	-0.005	+1.21%
Loss Cost	2009	0.026 (CI = +/-0.026; p = 0.052)	0.357	+2.60%
Loss Cost	2010	0.038 (CI = +/-0.025; p = 0.009)	0.653	+3.84%
Loss Cost	2011	0.048 (CI = +/-0.026; p = 0.005)	0.778	+4.87%
Loss Cost	2012	0.057 (CI = +/-0.031; p = 0.007)	0.831	+5.82%
Loss Cost	2013	0.055 (CI = +/-0.051; p = 0.041)	0.729	+5.67%
Loss Cost	2014	0.062 (CI = +/-0.106; p = 0.130)	0.636	+6.38%
Loss Cost	2015	0.046 (CI = +/-0.593; p = 0.502)	-0.006	+4.75%
Severity	2004	0.040 (CI = +/-0.023; p = 0.003)	0.497	+4.03%
Severity	2005	0.045 (CI = +/-0.026; p = 0.003)	0.527	+4.56%
Severity	2006	0.047 (CI = +/-0.031; p = 0.006)	0.496	+4.82%
Severity	2007	0.058 (CI = +/-0.032; p = 0.003)	0.617	+6.00%
Severity	2008	0.073 (CI = +/-0.030; p = 0.001)	0.767	+7.56%
Severity	2009	0.090 (CI = +/-0.023; p = 0.000)	0.912	+9.39%
Severity	2010	0.100 (CI = +/-0.023; p = 0.000)	0.943	+10.52%
Severity	2011	0.108 (CI = +/-0.026; p = 0.000)	0.948	+11.36%
Severity	2012	0.106 (CI = +/-0.039; p = 0.002)	0.920	+11.20%
Severity	2013	0.095 (CI = +/-0.054; p = 0.011)	0.883	+9.99%
Severity	2014	0.075 (CI = +/-0.070; p = 0.044)	0.870	+7.80%
Severity	2015	0.079 (CI = +/-0.426; p = 0.255)	0.695	+8.22%
Frequency	2004	-0.026 (CI = +/-0.023; p = 0.026)	0.295	-2.60%
Frequency	2005	-0.038 (CI = +/-0.019; p = 0.001)	0.606	-3.76%
Frequency	2006	-0.048 (CI = +/-0.016; p = 0.000)	0.798	-4.73%
Frequency	2007	-0.056 (CI = +/-0.015; p = 0.000)	0.884	-5.48%
Frequency	2008	-0.061 (CI = +/-0.016; p = 0.000)	0.892	-5.90%
Frequency	2009	-0.064 (CI = +/-0.020; p = 0.000)	0.881	-6.21%
Frequency	2010	-0.062 (CI = +/-0.025; p = 0.001)	0.835	-6.04%
Frequency	2011	-0.060 (CI = +/-0.034; p = 0.006)	0.765	-5.83%
Frequency	2012	-0.050 (CI = +/-0.043; p = 0.032)	0.652	-4.84%
Frequency	2013	-0.040 (CI = +/-0.064; p = 0.142)	0.422	-3.93%
Frequency	2014	-0.013 (CI = +/-0.061; p = 0.449)	-0.045	-1.32%
Frequency	2015	-0.033 (CI = +/-0.168; p = 0.245)	0.719	-3.21%

CL

Coverage = CL
End Trend Period = 2019
Excluded Points = NA
Parameters Included: time, scalar_level_change
Scalar Level Change Start Date = 2013-04-01

Fit	Start Date	Time	Scalar_shift	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.010 (CI = +/-0.032; p = 0.532)	0.071 (CI = +/-0.306; p = 0.625)	0.122	+0.96%
Loss Cost	2005	-0.004 (CI = +/-0.034; p = 0.802)	0.149 (CI = +/-0.298; p = 0.298)	0.054	-0.40%
Loss Cost	2006	-0.020 (CI = +/-0.034; p = 0.215)	0.236 (CI = +/-0.277; p = 0.087)	0.126	-2.01%
Loss Cost	2007	-0.018 (CI = +/-0.041; p = 0.349)	0.226 (CI = +/-0.309; p = 0.134)	0.104	-1.80%
Loss Cost	2008	-0.004 (CI = +/-0.045; p = 0.842)	0.165 (CI = +/-0.311; p = 0.262)	0.172	-0.41%
Loss Cost	2009	0.015 (CI = +/-0.044; p = 0.459)	0.096 (CI = +/-0.278; p = 0.451)	0.419	+1.49%
Loss Cost	2010	0.029 (CI = +/-0.044; p = 0.168)	0.057 (CI = +/-0.260; p = 0.619)	0.585	+2.92%
Loss Cost	2011	0.037 (CI = +/-0.049; p = 0.115)	0.047 (CI = +/-0.266; p = 0.679)	0.620	+3.73%
Loss Cost	2012	0.040 (CI = +/-0.056; p = 0.124)	0.055 (CI = +/-0.297; p = 0.655)	0.579	+4.12%
Loss Cost	2013	0.039 (CI = +/-0.068; p = 0.185)	0.035 (CI = +/-0.387; p = 0.815)	0.331	+3.97%
Loss Cost	2014	0.039 (CI = +/-0.068; p = 0.185)		0.237	+3.97%
Loss Cost	2015	0.013 (CI = +/-0.093; p = 0.689)		-0.252	+1.30%
Severity	2004	0.003 (CI = +/-0.024; p = 0.806)	0.469 (CI = +/-0.225; p = 0.001)	0.830	+0.27%
Severity	2005	0.004 (CI = +/-0.028; p = 0.734)	0.459 (CI = +/-0.248; p = 0.002)	0.825	+0.45%
Severity	2006	0.000 (CI = +/-0.033; p = 0.979)	0.481 (CI = +/-0.272; p = 0.003)	0.813	+0.04%
Severity	2007	0.011 (CI = +/-0.038; p = 0.532)	0.430 (CI = +/-0.282; p = 0.007)	0.836	+1.10%
Severity	2008	0.027 (CI = +/-0.039; p = 0.155)	0.362 (CI = +/-0.267; p = 0.013)	0.879	+2.69%
Severity	2009	0.044 (CI = +/-0.035; p = 0.020)	0.297 (CI = +/-0.224; p = 0.016)	0.929	+4.54%
Severity	2010	0.051 (CI = +/-0.041; p = 0.022)	0.280 (CI = +/-0.239; p = 0.028)	0.923	+5.18%
Severity	2011	0.053 (CI = +/-0.049; p = 0.038)	0.277 (CI = +/-0.266; p = 0.044)	0.902	+5.39%
Severity	2012	0.049 (CI = +/-0.057; p = 0.076)	0.271 (CI = +/-0.301; p = 0.068)	0.853	+5.07%
Severity	2013	0.047 (CI = +/-0.067; p = 0.122)	0.238 (CI = +/-0.382; p = 0.158)	0.722	+4.82%
Severity	2014	0.047 (CI = +/-0.067; p = 0.122)		0.362	+4.82%
Severity	2015	0.029 (CI = +/-0.106; p = 0.443)		-0.060	+2.96%
Frequency	2004	0.007 (CI = +/-0.024; p = 0.553)	-0.399 (CI = +/-0.229; p = 0.002)	0.694	+0.68%
Frequency	2005	-0.008 (CI = +/-0.020; p = 0.383)	-0.310 (CI = +/-0.180; p = 0.003)	0.839	-0.84%
Frequency	2006	-0.021 (CI = +/-0.018; p = 0.027)	-0.245 (CI = +/-0.145; p = 0.003)	0.914	-2.05%
Frequency	2007	-0.029 (CI = +/-0.018; p = 0.005)	-0.204 (CI = +/-0.135; p = 0.007)	0.938	-2.87%
Frequency	2008	-0.031 (CI = +/-0.022; p = 0.011)	-0.197 (CI = +/-0.150; p = 0.016)	0.929	-3.02%
Frequency	2009	-0.030 (CI = +/-0.026; p = 0.033)	-0.201 (CI = +/-0.168; p = 0.025)	0.913	-2.92%
Frequency	2010	-0.022 (CI = +/-0.027; p = 0.104)	-0.223 (CI = +/-0.161; p = 0.014)	0.907	-2.15%
Frequency	2011	-0.016 (CI = +/-0.029; p = 0.226)	-0.230 (CI = +/-0.158; p = 0.012)	0.893	-1.58%
Frequency	2012	-0.009 (CI = +/-0.020; p = 0.289)	-0.216 (CI = +/-0.104; p = 0.003)	0.928	-0.90%
Frequency	2013	-0.008 (CI = +/-0.023; p = 0.378)	-0.203 (CI = +/-0.130; p = 0.012)	0.864	-0.81%
Frequency	2014	-0.008 (CI = +/-0.023; p = 0.378)		-0.004	-0.81%
Frequency	2015	-0.016 (CI = +/-0.033; p = 0.210)		0.276	-1.62%

CL

Coverage = CL
End Trend Period = 2018
Excluded Points = NA
Parameters Included: time, scalar_level_change
Scalar Level Change Start Date = 2013-04-01

Fit	Start Date	Time	Scalar_shift	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.010 (CI = +/-0.035; p = 0.561)	0.071 (CI = +/-0.321; p = 0.640)	0.079	+0.97%
Loss Cost	2005	-0.005 (CI = +/-0.037; p = 0.760)	0.152 (CI = +/-0.315; p = 0.311)	0.014	-0.53%
Loss Cost	2006	-0.024 (CI = +/-0.038; p = 0.179)	0.249 (CI = +/-0.290; p = 0.085)	0.128	-2.42%
Loss Cost	2007	-0.023 (CI = +/-0.047; p = 0.291)	0.244 (CI = +/-0.330; p = 0.129)	0.095	-2.31%
Loss Cost	2008	-0.008 (CI = +/-0.055; p = 0.759)	0.177 (CI = +/-0.347; p = 0.273)	0.120	-0.75%
Loss Cost	2009	0.017 (CI = +/-0.056; p = 0.494)	0.087 (CI = +/-0.323; p = 0.544)	0.363	+1.73%
Loss Cost	2010	0.039 (CI = +/-0.058; p = 0.151)	0.022 (CI = +/-0.301; p = 0.866)	0.577	+3.97%
Loss Cost	2011	0.054 (CI = +/-0.063; p = 0.080)	-0.009 (CI = +/-0.300; p = 0.942)	0.665	+5.57%
Loss Cost	2012	0.063 (CI = +/-0.074; p = 0.077)	-0.009 (CI = +/-0.327; p = 0.943)	0.671	+6.52%
Loss Cost	2013	0.062 (CI = +/-0.100; p = 0.143)	-0.018 (CI = +/-0.457; p = 0.906)	0.460	+6.38%
Loss Cost	2014	0.062 (CI = +/-0.100; p = 0.143)		0.420	+6.38%
Loss Cost	2015	0.034 (CI = +/-0.199; p = 0.543)		-0.187	+3.43%
Severity	2004	0.002 (CI = +/-0.026; p = 0.857)	0.470 (CI = +/-0.237; p = 0.001)	0.808	+0.22%
Severity	2005	0.004 (CI = +/-0.031; p = 0.787)	0.461 (CI = +/-0.263; p = 0.003)	0.801	+0.39%
Severity	2006	-0.001 (CI = +/-0.038; p = 0.957)	0.485 (CI = +/-0.291; p = 0.004)	0.790	-0.09%
Severity	2007	0.011 (CI = +/-0.044; p = 0.580)	0.429 (CI = +/-0.308; p = 0.012)	0.814	+1.12%
Severity	2008	0.031 (CI = +/-0.047; p = 0.161)	0.345 (CI = +/-0.295; p = 0.027)	0.867	+3.17%
Severity	2009	0.057 (CI = +/-0.039; p = 0.011)	0.249 (CI = +/-0.227; p = 0.036)	0.939	+5.91%
Severity	2010	0.071 (CI = +/-0.043; p = 0.007)	0.208 (CI = +/-0.224; p = 0.064)	0.948	+7.35%
Severity	2011	0.079 (CI = +/-0.051; p = 0.011)	0.192 (CI = +/-0.242; p = 0.098)	0.943	+8.26%
Severity	2012	0.078 (CI = +/-0.066; p = 0.030)	0.192 (CI = +/-0.292; p = 0.142)	0.910	+8.09%
Severity	2013	0.075 (CI = +/-0.086; p = 0.070)	0.173 (CI = +/-0.396; p = 0.259)	0.825	+7.80%
Severity	2014	0.075 (CI = +/-0.086; p = 0.070)		0.625	+7.80%
Severity	2015	0.064 (CI = +/-0.197; p = 0.296)		0.243	+6.62%
Frequency	2004	0.007 (CI = +/-0.026; p = 0.548)	-0.399 (CI = +/-0.241; p = 0.004)	0.664	+0.75%
Frequency	2005	-0.009 (CI = +/-0.023; p = 0.386)	-0.308 (CI = +/-0.190; p = 0.004)	0.821	-0.92%
Frequency	2006	-0.024 (CI = +/-0.019; p = 0.023)	-0.236 (CI = +/-0.150; p = 0.006)	0.911	-2.33%
Frequency	2007	-0.035 (CI = +/-0.018; p = 0.002)	-0.185 (CI = +/-0.129; p = 0.010)	0.947	-3.40%
Frequency	2008	-0.039 (CI = +/-0.022; p = 0.004)	-0.168 (CI = +/-0.142; p = 0.026)	0.943	-3.80%
Frequency	2009	-0.040 (CI = +/-0.029; p = 0.013)	-0.162 (CI = +/-0.165; p = 0.053)	0.931	-3.95%
Frequency	2010	-0.032 (CI = +/-0.033; p = 0.056)	-0.187 (CI = +/-0.172; p = 0.038)	0.920	-3.15%
Frequency	2011	-0.025 (CI = +/-0.039; p = 0.157)	-0.200 (CI = +/-0.184; p = 0.038)	0.900	-2.48%
Frequency	2012	-0.015 (CI = +/-0.029; p = 0.228)	-0.200 (CI = +/-0.126; p = 0.012)	0.931	-1.45%
Frequency	2013	-0.013 (CI = +/-0.037; p = 0.336)	-0.191 (CI = +/-0.170; p = 0.037)	0.865	-1.32%
Frequency	2014	-0.013 (CI = +/-0.037; p = 0.336)		0.071	-1.32%
Frequency	2015	-0.030 (CI = +/-0.046; p = 0.106)		0.698	-2.99%

CM

Coverage = CM
End Trend Period = 2019
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.013 (CI = +/-0.016; p = 0.091)	0.132	+1.34%
Loss Cost	2005	0.013 (CI = +/-0.018; p = 0.142)	0.093	+1.32%
Loss Cost	2006	0.016 (CI = +/-0.021; p = 0.129)	0.113	+1.57%
Loss Cost	2007	0.011 (CI = +/-0.024; p = 0.331)	0.003	+1.10%
Loss Cost	2008	0.024 (CI = +/-0.020; p = 0.020)	0.376	+2.45%
Loss Cost	2009	0.037 (CI = +/-0.013; p = 0.000)	0.807	+3.78%
Loss Cost	2010	0.040 (CI = +/-0.015; p = 0.000)	0.794	+4.06%
Loss Cost	2011	0.032 (CI = +/-0.014; p = 0.001)	0.774	+3.22%
Loss Cost	2012	0.035 (CI = +/-0.018; p = 0.003)	0.763	+3.58%
Loss Cost	2013	0.036 (CI = +/-0.025; p = 0.014)	0.683	+3.68%
Loss Cost	2014	0.034 (CI = +/-0.038; p = 0.066)	0.513	+3.46%
Loss Cost	2015	0.019 (CI = +/-0.051; p = 0.320)	0.094	+1.93%
Severity	2004	0.014 (CI = +/-0.015; p = 0.073)	0.155	+1.40%
Severity	2005	0.018 (CI = +/-0.017; p = 0.037)	0.238	+1.81%
Severity	2006	0.022 (CI = +/-0.019; p = 0.027)	0.293	+2.19%
Severity	2007	0.019 (CI = +/-0.022; p = 0.075)	0.193	+1.97%
Severity	2008	0.031 (CI = +/-0.019; p = 0.004)	0.536	+3.18%
Severity	2009	0.045 (CI = +/-0.008; p = 0.000)	0.947	+4.62%
Severity	2010	0.043 (CI = +/-0.009; p = 0.000)	0.935	+4.37%
Severity	2011	0.045 (CI = +/-0.011; p = 0.000)	0.926	+4.58%
Severity	2012	0.043 (CI = +/-0.014; p = 0.000)	0.893	+4.36%
Severity	2013	0.042 (CI = +/-0.019; p = 0.002)	0.837	+4.28%
Severity	2014	0.042 (CI = +/-0.029; p = 0.017)	0.746	+4.24%
Severity	2015	0.033 (CI = +/-0.045; p = 0.102)	0.526	+3.38%
Frequency	2004	-0.001 (CI = +/-0.009; p = 0.893)	-0.070	-0.05%
Frequency	2005	-0.005 (CI = +/-0.008; p = 0.204)	0.053	-0.48%
Frequency	2006	-0.006 (CI = +/-0.009; p = 0.161)	0.087	-0.61%
Frequency	2007	-0.009 (CI = +/-0.010; p = 0.081)	0.184	-0.85%
Frequency	2008	-0.007 (CI = +/-0.012; p = 0.201)	0.074	-0.71%
Frequency	2009	-0.008 (CI = +/-0.014; p = 0.224)	0.066	-0.80%
Frequency	2010	-0.003 (CI = +/-0.015; p = 0.671)	-0.098	-0.29%
Frequency	2011	-0.013 (CI = +/-0.009; p = 0.013)	0.550	-1.30%
Frequency	2012	-0.008 (CI = +/-0.008; p = 0.050)	0.415	-0.75%
Frequency	2013	-0.006 (CI = +/-0.010; p = 0.200)	0.164	-0.57%
Frequency	2014	-0.008 (CI = +/-0.015; p = 0.232)	0.164	-0.75%
Frequency	2015	-0.014 (CI = +/-0.018; p = 0.089)	0.565	-1.40%

CM

Coverage = CM
End Trend Period = 2018
Excluded Points = NA
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.011 (CI = +/-0.018; p = 0.214)	0.048	+1.08%
Loss Cost	2005	0.010 (CI = +/-0.021; p = 0.308)	0.010	+1.02%
Loss Cost	2006	0.012 (CI = +/-0.024; p = 0.279)	0.024	+1.25%
Loss Cost	2007	0.006 (CI = +/-0.027; p = 0.615)	-0.071	+0.64%
Loss Cost	2008	0.022 (CI = +/-0.024; p = 0.068)	0.247	+2.17%
Loss Cost	2009	0.037 (CI = +/-0.016; p = 0.001)	0.749	+3.73%
Loss Cost	2010	0.040 (CI = +/-0.020; p = 0.002)	0.731	+4.07%
Loss Cost	2011	0.029 (CI = +/-0.018; p = 0.008)	0.673	+2.99%
Loss Cost	2012	0.033 (CI = +/-0.025; p = 0.018)	0.648	+3.39%
Loss Cost	2013	0.034 (CI = +/-0.038; p = 0.067)	0.512	+3.45%
Loss Cost	2014	0.030 (CI = +/-0.065; p = 0.241)	0.219	+3.02%
Loss Cost	2015	0.002 (CI = +/-0.095; p = 0.935)	-0.494	+0.20%
Severity	2004	0.011 (CI = +/-0.017; p = 0.200)	0.055	+1.07%
Severity	2005	0.015 (CI = +/-0.019; p = 0.113)	0.129	+1.50%
Severity	2006	0.019 (CI = +/-0.022; p = 0.083)	0.180	+1.89%
Severity	2007	0.016 (CI = +/-0.025; p = 0.202)	0.073	+1.57%
Severity	2008	0.029 (CI = +/-0.023; p = 0.018)	0.424	+2.95%
Severity	2009	0.045 (CI = +/-0.009; p = 0.000)	0.931	+4.65%
Severity	2010	0.042 (CI = +/-0.011; p = 0.000)	0.910	+4.34%
Severity	2011	0.045 (CI = +/-0.014; p = 0.000)	0.896	+4.60%
Severity	2012	0.042 (CI = +/-0.019; p = 0.002)	0.839	+4.33%
Severity	2013	0.041 (CI = +/-0.029; p = 0.017)	0.742	+4.19%
Severity	2014	0.040 (CI = +/-0.051; p = 0.087)	0.570	+4.09%
Severity	2015	0.025 (CI = +/-0.101; p = 0.392)	0.055	+2.57%
Frequency	2004	0.000 (CI = +/-0.010; p = 0.988)	-0.077	+0.01%
Frequency	2005	-0.005 (CI = +/-0.009; p = 0.275)	0.023	-0.48%
Frequency	2006	-0.006 (CI = +/-0.010; p = 0.217)	0.056	-0.62%
Frequency	2007	-0.009 (CI = +/-0.012; p = 0.111)	0.158	-0.92%
Frequency	2008	-0.008 (CI = +/-0.014; p = 0.256)	0.045	-0.75%
Frequency	2009	-0.009 (CI = +/-0.017; p = 0.275)	0.040	-0.88%
Frequency	2010	-0.003 (CI = +/-0.020; p = 0.763)	-0.127	-0.26%
Frequency	2011	-0.016 (CI = +/-0.012; p = 0.018)	0.576	-1.54%
Frequency	2012	-0.009 (CI = +/-0.010; p = 0.073)	0.407	-0.90%
Frequency	2013	-0.007 (CI = +/-0.015; p = 0.260)	0.125	-0.71%
Frequency	2014	-0.010 (CI = +/-0.025; p = 0.272)	0.167	-1.03%
Frequency	2015	-0.023 (CI = +/-0.015; p = 0.021)	0.938	-2.31%

CM

Coverage = CM
End Trend Period = 2019
Excluded Points = 2007
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.018 (CI = +/-0.013; p = 0.009)	0.373	+1.82%
Loss Cost	2005	0.020 (CI = +/-0.015; p = 0.013)	0.362	+1.99%
Loss Cost	2006	0.026 (CI = +/-0.016; p = 0.005)	0.492	+2.60%
Loss Cost	2008	0.024 (CI = +/-0.020; p = 0.020)	0.376	+2.45%
Loss Cost	2009	0.037 (CI = +/-0.013; p = 0.000)	0.807	+3.78%
Loss Cost	2010	0.040 (CI = +/-0.015; p = 0.000)	0.794	+4.06%
Loss Cost	2011	0.032 (CI = +/-0.014; p = 0.001)	0.774	+3.22%
Loss Cost	2012	0.035 (CI = +/-0.018; p = 0.003)	0.763	+3.58%
Loss Cost	2013	0.036 (CI = +/-0.025; p = 0.014)	0.683	+3.68%
Loss Cost	2014	0.034 (CI = +/-0.038; p = 0.066)	0.513	+3.46%
Loss Cost	2015	0.019 (CI = +/-0.051; p = 0.320)	0.094	+1.93%
Severity	2004	0.017 (CI = +/-0.015; p = 0.024)	0.282	+1.73%
Severity	2005	0.023 (CI = +/-0.015; p = 0.005)	0.445	+2.35%
Severity	2006	0.030 (CI = +/-0.015; p = 0.001)	0.598	+3.06%
Severity	2008	0.031 (CI = +/-0.019; p = 0.004)	0.536	+3.18%
Severity	2009	0.045 (CI = +/-0.008; p = 0.000)	0.947	+4.62%
Severity	2010	0.043 (CI = +/-0.009; p = 0.000)	0.935	+4.37%
Severity	2011	0.045 (CI = +/-0.011; p = 0.000)	0.926	+4.58%
Severity	2012	0.043 (CI = +/-0.014; p = 0.000)	0.893	+4.36%
Severity	2013	0.042 (CI = +/-0.019; p = 0.002)	0.837	+4.28%
Severity	2014	0.042 (CI = +/-0.029; p = 0.017)	0.746	+4.24%
Severity	2015	0.033 (CI = +/-0.045; p = 0.102)	0.526	+3.38%
Frequency	2004	0.001 (CI = +/-0.009; p = 0.833)	-0.073	+0.09%
Frequency	2005	-0.004 (CI = +/-0.008; p = 0.369)	-0.010	-0.35%
Frequency	2006	-0.004 (CI = +/-0.010; p = 0.331)	0.003	-0.45%
Frequency	2008	-0.007 (CI = +/-0.012; p = 0.201)	0.074	-0.71%
Frequency	2009	-0.008 (CI = +/-0.014; p = 0.224)	0.066	-0.80%
Frequency	2010	-0.003 (CI = +/-0.015; p = 0.671)	-0.098	-0.29%
Frequency	2011	-0.013 (CI = +/-0.009; p = 0.013)	0.550	-1.30%
Frequency	2012	-0.008 (CI = +/-0.008; p = 0.050)	0.415	-0.75%
Frequency	2013	-0.006 (CI = +/-0.010; p = 0.200)	0.164	-0.57%
Frequency	2014	-0.008 (CI = +/-0.015; p = 0.232)	0.164	-0.75%
Frequency	2015	-0.014 (CI = +/-0.018; p = 0.089)	0.565	-1.40%

CM

Coverage = CM
End Trend Period = 2018
Excluded Points = 2007
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.016 (CI = +/-0.014; p = 0.034)	0.268	+1.59%
Loss Cost	2005	0.017 (CI = +/-0.017; p = 0.046)	0.252	+1.75%
Loss Cost	2006	0.024 (CI = +/-0.019; p = 0.018)	0.390	+2.40%
Loss Cost	2008	0.022 (CI = +/-0.024; p = 0.068)	0.247	+2.17%
Loss Cost	2009	0.037 (CI = +/-0.016; p = 0.001)	0.749	+3.73%
Loss Cost	2010	0.040 (CI = +/-0.020; p = 0.002)	0.731	+4.07%
Loss Cost	2011	0.029 (CI = +/-0.018; p = 0.008)	0.673	+2.99%
Loss Cost	2012	0.033 (CI = +/-0.025; p = 0.018)	0.648	+3.39%
Loss Cost	2013	0.034 (CI = +/-0.038; p = 0.067)	0.512	+3.45%
Loss Cost	2014	0.030 (CI = +/-0.065; p = 0.241)	0.219	+3.02%
Loss Cost	2015	0.002 (CI = +/-0.095; p = 0.935)	-0.494	+0.20%
Severity	2004	0.014 (CI = +/-0.016; p = 0.081)	0.168	+1.43%
Severity	2005	0.021 (CI = +/-0.017; p = 0.022)	0.336	+2.08%
Severity	2006	0.028 (CI = +/-0.018; p = 0.006)	0.506	+2.85%
Severity	2008	0.029 (CI = +/-0.023; p = 0.018)	0.424	+2.95%
Severity	2009	0.045 (CI = +/-0.009; p = 0.000)	0.931	+4.65%
Severity	2010	0.042 (CI = +/-0.011; p = 0.000)	0.910	+4.34%
Severity	2011	0.045 (CI = +/-0.014; p = 0.000)	0.896	+4.60%
Severity	2012	0.042 (CI = +/-0.019; p = 0.002)	0.839	+4.33%
Severity	2013	0.041 (CI = +/-0.029; p = 0.017)	0.742	+4.19%
Severity	2014	0.040 (CI = +/-0.051; p = 0.087)	0.570	+4.09%
Severity	2015	0.025 (CI = +/-0.101; p = 0.392)	0.055	+2.57%
Frequency	2004	0.002 (CI = +/-0.010; p = 0.729)	-0.072	+0.16%
Frequency	2005	-0.003 (CI = +/-0.010; p = 0.464)	-0.037	-0.33%
Frequency	2006	-0.004 (CI = +/-0.012; p = 0.416)	-0.026	-0.44%
Frequency	2008	-0.008 (CI = +/-0.014; p = 0.256)	0.045	-0.75%
Frequency	2009	-0.009 (CI = +/-0.017; p = 0.275)	0.040	-0.88%
Frequency	2010	-0.003 (CI = +/-0.020; p = 0.763)	-0.127	-0.26%
Frequency	2011	-0.016 (CI = +/-0.012; p = 0.018)	0.576	-1.54%
Frequency	2012	-0.009 (CI = +/-0.010; p = 0.073)	0.407	-0.90%
Frequency	2013	-0.007 (CI = +/-0.015; p = 0.260)	0.125	-0.71%
Frequency	2014	-0.010 (CI = +/-0.025; p = 0.272)	0.167	-1.03%
Frequency	2015	-0.023 (CI = +/-0.015; p = 0.021)	0.938	-2.31%

CM

Coverage = CM
End Trend Period = 2019
Excluded Points = 2010
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.012 (CI = +/-0.014; p = 0.089)	0.145	+1.22%
Loss Cost	2005	0.011 (CI = +/-0.017; p = 0.166)	0.083	+1.13%
Loss Cost	2006	0.013 (CI = +/-0.019; p = 0.177)	0.083	+1.28%
Loss Cost	2007	0.006 (CI = +/-0.021; p = 0.537)	-0.057	+0.60%
Loss Cost	2008	0.019 (CI = +/-0.017; p = 0.037)	0.333	+1.89%
Loss Cost	2009	0.032 (CI = +/-0.010; p = 0.000)	0.844	+3.22%
Loss Cost	2011	0.032 (CI = +/-0.014; p = 0.001)	0.774	+3.22%
Loss Cost	2012	0.035 (CI = +/-0.018; p = 0.003)	0.763	+3.58%
Loss Cost	2013	0.036 (CI = +/-0.025; p = 0.014)	0.683	+3.68%
Loss Cost	2014	0.034 (CI = +/-0.038; p = 0.066)	0.513	+3.46%
Loss Cost	2015	0.019 (CI = +/-0.051; p = 0.320)	0.094	+1.93%
Severity	2004	0.013 (CI = +/-0.016; p = 0.088)	0.147	+1.34%
Severity	2005	0.017 (CI = +/-0.017; p = 0.050)	0.223	+1.72%
Severity	2006	0.021 (CI = +/-0.020; p = 0.041)	0.266	+2.07%
Severity	2007	0.018 (CI = +/-0.023; p = 0.121)	0.146	+1.77%
Severity	2008	0.030 (CI = +/-0.021; p = 0.010)	0.489	+3.06%
Severity	2009	0.047 (CI = +/-0.008; p = 0.000)	0.951	+4.81%
Severity	2011	0.045 (CI = +/-0.011; p = 0.000)	0.926	+4.58%
Severity	2012	0.043 (CI = +/-0.014; p = 0.000)	0.893	+4.36%
Severity	2013	0.042 (CI = +/-0.019; p = 0.002)	0.837	+4.28%
Severity	2014	0.042 (CI = +/-0.029; p = 0.017)	0.746	+4.24%
Severity	2015	0.033 (CI = +/-0.045; p = 0.102)	0.526	+3.38%
Frequency	2004	-0.001 (CI = +/-0.008; p = 0.772)	-0.070	-0.11%
Frequency	2005	-0.006 (CI = +/-0.006; p = 0.063)	0.198	-0.59%
Frequency	2006	-0.008 (CI = +/-0.007; p = 0.027)	0.313	-0.78%
Frequency	2007	-0.011 (CI = +/-0.006; p = 0.002)	0.611	-1.14%
Frequency	2008	-0.011 (CI = +/-0.007; p = 0.007)	0.528	-1.13%
Frequency	2009	-0.015 (CI = +/-0.007; p = 0.001)	0.710	-1.52%
Frequency	2011	-0.013 (CI = +/-0.009; p = 0.013)	0.550	-1.30%
Frequency	2012	-0.008 (CI = +/-0.008; p = 0.050)	0.415	-0.75%
Frequency	2013	-0.006 (CI = +/-0.010; p = 0.200)	0.164	-0.57%
Frequency	2014	-0.008 (CI = +/-0.015; p = 0.232)	0.164	-0.75%
Frequency	2015	-0.014 (CI = +/-0.018; p = 0.089)	0.565	-1.40%

CM

Coverage = CM
End Trend Period = 2018
Excluded Points = 2010
Parameters Included: time

Fit	Start Date	Time	Adjusted R^2	Implied Trend Rate
Loss Cost	2004	0.010 (CI = +/-0.016; p = 0.210)	0.055	+0.99%
Loss Cost	2005	0.008 (CI = +/-0.019; p = 0.349)	-0.004	+0.84%
Loss Cost	2006	0.010 (CI = +/-0.022; p = 0.362)	-0.008	+0.97%
Loss Cost	2007	0.001 (CI = +/-0.024; p = 0.915)	-0.110	+0.12%
Loss Cost	2008	0.015 (CI = +/-0.020; p = 0.124)	0.178	+1.54%
Loss Cost	2009	0.030 (CI = +/-0.013; p = 0.001)	0.788	+3.06%
Loss Cost	2011	0.029 (CI = +/-0.018; p = 0.008)	0.673	+2.99%
Loss Cost	2012	0.033 (CI = +/-0.025; p = 0.018)	0.648	+3.39%
Loss Cost	2013	0.034 (CI = +/-0.038; p = 0.067)	0.512	+3.45%
Loss Cost	2014	0.030 (CI = +/-0.065; p = 0.241)	0.219	+3.02%
Loss Cost	2015	0.002 (CI = +/-0.095; p = 0.935)	-0.494	+0.20%
Severity	2004	0.010 (CI = +/-0.017; p = 0.223)	0.048	+1.03%
Severity	2005	0.014 (CI = +/-0.019; p = 0.139)	0.114	+1.42%
Severity	2006	0.018 (CI = +/-0.023; p = 0.114)	0.154	+1.77%
Severity	2007	0.013 (CI = +/-0.027; p = 0.287)	0.027	+1.36%
Severity	2008	0.028 (CI = +/-0.025; p = 0.037)	0.369	+2.80%
Severity	2009	0.048 (CI = +/-0.010; p = 0.000)	0.937	+4.88%
Severity	2011	0.045 (CI = +/-0.014; p = 0.000)	0.896	+4.60%
Severity	2012	0.042 (CI = +/-0.019; p = 0.002)	0.839	+4.33%
Severity	2013	0.041 (CI = +/-0.029; p = 0.017)	0.742	+4.19%
Severity	2014	0.040 (CI = +/-0.051; p = 0.087)	0.570	+4.09%
Severity	2015	0.025 (CI = +/-0.101; p = 0.392)	0.055	+2.57%
Frequency	2004	0.000 (CI = +/-0.009; p = 0.929)	-0.083	-0.04%
Frequency	2005	-0.006 (CI = +/-0.007; p = 0.111)	0.143	-0.57%
Frequency	2006	-0.008 (CI = +/-0.008; p = 0.051)	0.263	-0.79%
Frequency	2007	-0.012 (CI = +/-0.007; p = 0.003)	0.591	-1.22%
Frequency	2008	-0.012 (CI = +/-0.009; p = 0.013)	0.506	-1.23%
Frequency	2009	-0.018 (CI = +/-0.008; p = 0.002)	0.741	-1.74%
Frequency	2011	-0.016 (CI = +/-0.012; p = 0.018)	0.576	-1.54%
Frequency	2012	-0.009 (CI = +/-0.010; p = 0.073)	0.407	-0.90%
Frequency	2013	-0.007 (CI = +/-0.015; p = 0.260)	0.125	-0.71%
Frequency	2014	-0.010 (CI = +/-0.025; p = 0.272)	0.167	-1.03%
Frequency	2015	-0.023 (CI = +/-0.015; p = 0.021)	0.938	-2.31%