

# Actuarial Committee

## Meeting Agenda

Date	Time	Location	Staff Contact
September 14, 2021	9:00 AM	Webinar Teleconference	David M. Bellusci
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Please register at: <https://attendee.gotowebinar.com/register/5340008435775501327>

After registering, you will receive a confirmation email containing information about the webinar.

### **I. Approval of Minutes**

Meeting held June 22, 2021

### **II. Working Group Meeting Summaries**

Actuarial Research Working Group Meeting held July 6, 2021

### **III. Unfinished Business**

A. AC21-03-03: Review of COVID-19 Claim Diagnostics

### **IV. New Business**

A. AC21-09-01: Third Quarter 2021 Review of Diagnostics

B. AC21-09-02: 6/30/2021 Experience Review

C. AC21-09-03: Wage Inflation Analysis

D. AC21-09-04: Study of California Frictional Costs

### **V. Matters Arising at Time of Meeting**

### **VI. Next Meeting Date: December 7, 2021**

### **VII. Adjournment**

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**Actuarial Research Working Group**

# **Meeting Summary**

To: Participants of the Actuarial Research Working Group  
Date: July 19, 2021

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**RE: Summary of July 6, 2021 Meeting**

## **Discussion Topics**

At the meeting, the following topics were discussed.

### **A. Frequency Model Update**

The Working Group was advised that staff has begun a comprehensive review of the WCIRB's Indemnity Claim Frequency Model. Staff presented initial explorations into potential changes to the model structure, current variables and potential new variables. Staff requested feedback on the potential enhancements.

The Working Group indicated that exploring alternative specifications of indemnity benefit level changes is preferred. The Working Group also indicated that projecting the cumulative injury index using a time series model seems promising and should be further explored. The Working Group also indicated interest in alternative specifications of the economic variables and supported testing the performance of using shorter time frames to parameterize the model. The Working Group suggested prioritizing model performance in typical years rather than focusing on being able to predict outliers. In particular, the Working Group suggested carefully considering how to handle accident year (AY) 2020 in the model. This could include adjusting the data for industry mix and wage level changes or even excluding AY 2020 when projecting frequency for future years.

The Working Group was advised that staff plans to explore potential alternative specifications to the model as well as updates to the included variables based on feedback from the Group and will present alternative options for feedback at the next meeting.

**Item AC21-03-03**  
**Review of COVID-19 Claim Diagnostics**

The COVID-19 pandemic has had significant impact on many components of experience emerging in 2020 and 2021. At the meeting, staff will present information on emerging COVID-19 claim experience based on WCIRB aggregate financial calls, unit statistical data and transactional indemnity data. Slides summarizing this information will be presented at the meeting.

## **Item AC21-09-01**

### **Third Quarter 2021 Review of Diagnostics**

Twice a year, staff compiles a comprehensive list of measures to be reviewed by the Claims Working Group and Actuarial Committee to identify and quantify changes in claim patterns and trends and help determine the most appropriate methodologies to be used in the development of pure premium rates. The diagnostics are segregated into the following areas:

1. Market and claim characteristic information (exhibit numbers start with M)
2. Claim count information (exhibit numbers start with C)
3. Loss development information (exhibit numbers start with D)
4. Claim severity information (exhibit numbers start with S)
5. Loss adjustment expense information (exhibit numbers start with E)

Please note the following:

1. The Bay Area's permanent disability closed claim percentages are lower than the rest of the state (Exhibit M5). In addition, the average incurred losses of compromise and release claims in the Bay Area are the highest among all regions (Exhibit M6).
2. The number of expedited hearings has continued to increase from the low point in the second quarter of 2020. The first quarter of 2021's number of expedited hearings is 11% higher than the same quarter in 2020 and is the highest amount of any quarter shown (Exhibit M8.1).
3. The median cost of Medicare set-asides increased at both first and second survey levels after a dip at the previous year but are still lower than historic averages (Exhibit M10.1).
4. After reaching a historical high in 2018, the number of eligible independent medical reviews (IMR) filed by quarter has decreased steadily. There was a dip in the second quarter of 2020 due to the pandemic. After that time, the number of IMR filed increased slightly but still is consistent with the longer-term decreasing trend (Exhibit M14).
5. Due to pandemic in 2020, the number of reported indemnity and medical-only claims in the second quarter of 2020 were significantly below than the same quarter in 2019. However, the number of reported indemnity claims (including COVID-19 claims) from the third quarter of 2020 to the first quarter of 2021 were higher than the same time in 2019 despite the reduced employment level. As a result, the total incremental indemnity claim counts in calendar year 2020 was still 2% higher than calendar year 2019. On the contrary, the number of medical-only claims reported each quarter since the pandemic emerged has decreased (Exhibit C11).
6. The cumulative injury share of total indemnity counts for 2019 is generally consistent with the high level in 2016 (Exhibit C15).
7. At first report level, Los Angeles/LA Basin and San Diego's ratio of permanent disability claims to indemnity claims decreased from accident year 2018 to accident year 2019. After 3 years of modest decreases, San Diego's percentage of claims involving cumulative injury increased from 2018 to 2019 and was consistent with the high level in 2015 (Exhibit C17).
8. The top 3 NAICS Sectors in terms of indemnity claim frequency changes are Education, Information and Wholesale. Their indemnity claim frequency changes from 2014 to 2019 in these sectors were each over 20% (Exhibit C20).
9. While the Los Angeles/LA Basin's indemnity claim frequency decreased in 2019 at first report level, the Bay Area's indemnity claim frequency increased by over 5% (Exhibit C21.1).

10. The incremental paid medical severities have continued to decrease from 2020 to early 2021 (Exhibit S7).
11. The number of claims in excess of \$1,000,000 decreased in 2018 after the sharp increase since 2015 (Exhibit S16.3).
12. Ratios of paid allocated loss adjustment expense to paid loss increased significantly from 2010 to 2015. From 2015 to 2020, the changes of these ratios have been generally flat. The paid loss adjustment expense to paid loss ratio for private insurers in 2020 increased from 35.1% to 37.9% which is the highest ratio since 2010 (Exhibit E1).

Exhibit Numbering Guide September 2021

Exhibit #	Exhibit Name
<b>Market/Claim Characteristics</b>	
M3	Total Incurred Loss Distribution by Insurer
M5	Percentage of Claims Closed by Injury Type and Region - First through Third Report Level
M6	Percentage of Claim Count and Average Severity by Geographic Region
M7	Division of Workers' Compensation (DWC) Distribution of Decisions by Type
M8	Quarterly Expedited Hearings by Region
M9	Number of Division of Workers' Compensation (DWC) Lien Decisions
M10	Medicare Set-aside Costs by Age Interval & Permanent Disability Rating Interval
M14	IMR Filed Counts
<b>Claim Count</b>	
C1	Reported Indemnity Claim Count Development - Statewide
C2	Indemnity Claim Settlement Rates by Injury Type
C3	Ratio of Incremental Closed Indemnity Claims to Prior Open Indemnity Claims
C4	Reopening Rates Based on Unit Statistical Data & by Injury Type
C5	Closed-Closed Development Based on Unit Statistical Data
C6	California Workers' Compensation Estimated Indemnity Claim Frequency by Accident Year
C7	Accident Year Indemnity Claim Frequency Model & Indemnity Claim Frequency History and Projections
C9	Self-Insured Employers - Claim Frequency
C10	Annual Changes in Indemnity Frequency Attributable to Changes in Hazardousness
C11	Changes in Incremental Indemnity Claim Counts and Medical Only Claim Counts
C12	Economic Variables
C15	Accident Year Cumulative Injury Indemnity Claim Counts by Policy Year and Report Level
C17	Claim Count Ratios by Region Based on Unit Statistical Data at 1st Report Level
C19	Distribution of Cumulative Injury Claims by Injury Type
C20	Indemnity Claim Frequency Relativities by NAICS Sector
C21	Indemnity Claim Frequency by Geographic Region
C22	Top 20 Part of Body Codes for Cumulative and Non-Cumulative Injury Indemnity Claims Based on Accident Year 2018 Shares

Exhibit Numbering Guide September 2021  
Continued

Exhibit #	Exhibit Name
<b>Loss Development</b>	
D4	Ratios of Incremental Paid Losses to Prior Outstanding Losses by Accident Year
D6	Comparison of Projected Loss Ratios
<b>Claim Severity</b>	
S2	Average Incurred Indemnity Loss per Reported Indemnity Claim & Incurred Medical Loss per Reported Claim
S3	Average Indemnity & Medical Case Outstanding Per Open Indemnity Claim
S4	Average Paid Losses per Indemnity Claim & Average Paid Medical Loss Per Claim
S5	Average Paid Losses per Closed Indemnity Claim
S6	Ratio of Incremental Paid Indemnity & Medical to Indemnity Claims Open During Period
S7	Ratio of Quarterly Paid Medical to Indemnity Claims Inventory
S9	Average and Median Indemnity Claim Severities at USR 1st
S10	Changes in the Number of Weeks of Temporary Disability Benefits
S14	Self Insured Employers - Claim Severity
S15	Annual Changes in Indemnity Severity Attributable to Changes in Hazardousness
S16	Claim Counts and Losses on Claims in Excess of \$250,000 & \$500,000 & \$1,000,000
<b>Loss Adjustment Expense</b>	
E1	Summary of Paid LAE Ratios by Insurer Type
E2	Calendar Year ULAE Incurred per Open Indemnity Claim - Private Insurers
E3	Calendar Year ULAE Paid per Open Indemnity Claim - Private Insurers
E5	Average Paid ALAE Per Reported Indemnity Claim - Private Insurers
E6	Ratio of Paid ALAE to Paid Loss - Private Insurers
E7	Percentage of Represented Permanent Disability Claims by Region and Loss Type
E8	Distribution of Total ALAE & MCCC Components - Private Insurers
E9	Applicant Attorney Expense Paid - Private Insurers
E10	Median Expense Costs per Represented PD Claim - Private Insurers Only
E13	Changes in the Number and Cost of Medical-Legal Reports by Service Year
E15	Average Paid MCCC per Reported Indemnity Claim - Statewide

Total Incurred Loss Distribution by Insurer\*

I. Distribution based on State Fund, Top Ten Private Insurers and All Other Private Insurers Combined\*\*

AY Group State Fund	2016 @ 12/31/2016	2017 @ 12/31/2017	2018 @ 12/31/2018	2019 @ 12/31/2019	2020 @ 12/31/2020
	9.5%	10.8%	12.7%	14.0%	15.6%
1	8.0%	8.4%	8.4%	8.4%	8.5%
2	7.4%	6.4%	6.5%	6.6%	6.6%
3	7.6%	6.8%	6.2%	5.9%	5.7%
4	4.7%	4.9%	4.9%	5.0%	4.8%
5	6.8%	5.2%	5.4%	5.1%	4.6%
6	3.6%	3.9%	3.4%	4.2%	4.5%
7	3.6%	3.5%	2.9%	2.8%	2.8%
8	3.2%	3.1%	3.4%	3.3%	2.6%
9	1.8%	2.1%	2.2%	2.0%	2.3%
10	2.8%	2.2%	2.3%	2.6%	2.1%
All Other	41.1%	42.8%	41.8%	40.1%	39.8%

II. Distribution based on Top Ten Private Insurers and All Other Private Insurers Combined\*\*

AY Group	2016 @ 12/31/2016	2017 @ 12/31/2017	2018 @ 12/31/2018	2019 @ 12/31/2019	2020 @ 12/31/2020
1	8.9%	9.4%	9.7%	9.7%	10.1%
2	8.1%	7.2%	7.4%	7.7%	7.8%
3	8.4%	7.6%	7.2%	6.9%	6.7%
4	5.2%	5.5%	5.6%	5.8%	5.7%
5	7.5%	5.8%	6.2%	5.9%	5.5%
6	4.0%	4.4%	3.9%	4.9%	5.3%
7	4.0%	3.9%	3.3%	3.2%	3.4%
8	3.5%	3.5%	3.9%	3.9%	3.1%
9	2.0%	2.4%	2.5%	2.3%	2.7%
10	3.0%	2.4%	2.6%	3.1%	2.5%
All Other	45.3%	48.0%	47.8%	46.6%	47.2%

\*Total incurred losses reflect the sum of paid indemnity and medical losses and indemnity and medical case reserves.

\*\*Groups are ranked according to accident year 2020 incurred losses.

Source: WCIRB quarterly calls for experience



**Percentage of Claims Closed by Injury Type and Region**  
Permanent Partial & Temporary

Permanent Partial		Policy Year							Latest Year Reported Claim Distribution
<u>Report Level</u>	<u>Region*</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	
1	Bay Area	14%	15%	16%	18%	19%	20%	19%	14%
1	Los Angeles	15%	16%	17%	21%	24%	25%	26%	58%
1	San Diego	17%	20%	20%	23%	26%	27%	27%	7%
1	Remainder of CA	15%	17%	17%	20%	22%	23%	24%	21%
	ALL REGIONS COMBINED	<b>15%</b>	<b>16%</b>	<b>17%</b>	<b>20%</b>	<b>23%</b>	<b>24%</b>	<b>25%</b>	<b>100%</b>
2	Bay Area	38%	38%	41%	45%	47%	48%		13%
2	Los Angeles	37%	37%	40%	45%	51%	50%		57%
2	San Diego	43%	44%	46%	50%	53%	53%		7%
2	Remainder of CA	38%	39%	42%	47%	48%	48%		23%
	ALL REGIONS COMBINED	<b>38%</b>	<b>38%</b>	<b>41%</b>	<b>46%</b>	<b>50%</b>	<b>50%</b>		<b>100%</b>
3	Bay Area	58%	59%	62%	65%	66%			14%
3	Los Angeles	55%	55%	59%	65%	69%			55%
3	San Diego	62%	65%	67%	70%	75%			9%
3	Remainder of CA	58%	59%	62%	67%	68%			22%
	ALL REGIONS COMBINED	<b>56%</b>	<b>58%</b>	<b>61%</b>	<b>66%</b>	<b>69%</b>			<b>100%</b>
Temporary		Policy Year							Latest Year Reported Claim Distribution
<u>Report Level</u>	<u>Region*</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	
1	Bay Area	54%	56%	59%	60%	61%	62%	64%	16%
1	Los Angeles	49%	47%	50%	51%	52%	54%	53%	54%
1	San Diego	56%	55%	56%	57%	60%	62%	60%	7%
1	Remainder of CA	57%	55%	59%	60%	61%	61%	64%	22%
	ALL REGIONS COMBINED	<b>53%</b>	<b>52%</b>	<b>55%</b>	<b>55%</b>	<b>57%</b>	<b>58%</b>	<b>58%</b>	<b>100%</b>
2	Bay Area	73%	77%	77%	79%	79%	80%		16%
2	Los Angeles	67%	68%	70%	72%	73%	74%		51%
2	San Diego	75%	75%	76%	77%	80%	79%		7%
2	Remainder of CA	73%	74%	76%	77%	78%	81%		26%
	ALL REGIONS COMBINED	<b>71%</b>	<b>72%</b>	<b>73%</b>	<b>75%</b>	<b>76%</b>	<b>77%</b>		<b>100%</b>
3	Bay Area	85%	87%	89%	89%	89%			17%
3	Los Angeles	80%	81%	82%	84%	86%			48%
3	San Diego	86%	87%	88%	89%	88%			7%
3	Remainder of CA	85%	86%	86%	88%	90%			27%
	ALL REGIONS COMBINED	<b>83%</b>	<b>84%</b>	<b>85%</b>	<b>86%</b>	<b>88%</b>			<b>100%</b>

\*Los Angeles Includes Los Angeles County and remainder of Los Angeles Basin

Source: WCIRB unit statistical data

**Percentage of Claim Count and Average Severity of Compromise & Release  
and Stipulated Award Settlements**  
Geographic Region: All Regions Combined

Policy Year 2013									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	17,026	84%	24,087	25,999	50,086	---	---	---	---
Stipulated Award	<u>3,132</u>	16%	<u>17,914</u>	<u>14,353</u>	<u>32,267</u>	---	---	---	---
Total/Average	20,158		23,128	24,189	47,317	---	---	---	---
Policy Year 2014									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	20,871	84%	25,960	25,939	51,899	22.6%	7.8%	-0.2%	3.6%
Stipulated Award	<u>3,838</u>	16%	<u>18,377</u>	<u>13,461</u>	<u>31,838</u>	22.5%	2.6%	-6.2%	-1.3%
Total/Average	24,709		24,782	24,001	48,783	22.6%	7.2%	-0.8%	3.1%
Policy Year 2015									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	23,050	85%	25,988	24,990	50,978	10.4%	0.1%	-3.7%	-1.8%
Stipulated Award	<u>4,089</u>	15%	<u>19,133</u>	<u>13,835</u>	<u>32,967</u>	6.5%	4.1%	2.8%	3.5%
Total/Average	27,139		24,955	23,310	48,264	9.8%	0.7%	-2.9%	-1.1%
Policy Year 2016									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	22,930	86%	24,645	23,507	48,153	-0.5%	-5.2%	-5.9%	-5.5%
Stipulated Award	<u>3,785</u>	14%	<u>19,460</u>	<u>14,270</u>	<u>33,730</u>	-7.4%	1.7%	3.1%	2.3%
Total/Average	26,715		23,911	22,199	46,109	-1.6%	-4.2%	-4.8%	-4.5%

Source: closed permanent disability claims from third report level unit statistical data

**Percentage of Claim Count and Average Severity of Compromise & Release  
and Stipulated Award Settlements**  
Geographic Region: Bay Area

Policy Year 2013									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	2,217	80%	29,892	29,785	59,677	---	---	---	---
Stipulated Award	546	20%	20,521	14,727	35,248	---	---	---	---
Total/Average	2,763		28,040	26,809	54,850	---	---	---	---
Policy Year 2014									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	2,839	79%	32,956	31,536	64,492	28.1%	10.2%	5.9%	8.1%
Stipulated Award	765	21%	18,829	13,238	32,068	40.1%	-8.2%	-10.1%	-9.0%
Total/Average	3,604		29,957	27,652	57,610	30.4%	6.8%	3.1%	5.0%
Policy Year 2015									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	3,108	79%	32,821	30,093	62,915	9.5%	-0.4%	-4.6%	-2.4%
Stipulated Award	815	21%	20,917	14,169	35,085	6.5%	11.1%	7.0%	9.4%
Total/Average	3,923		30,348	26,785	57,133	8.9%	1.3%	-3.1%	-0.8%
Policy Year 2016									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	2,976	78%	31,203	29,856	61,059	-4.2%	-4.9%	-0.8%	-2.9%
Stipulated Award	842	22%	19,579	14,069	33,649	3.3%	-6.4%	-0.7%	-4.1%
Total/Average	3,818		28,640	26,375	55,014	-2.7%	-5.6%	-1.5%	-3.7%

Source: closed permanent disability claims from third report level unit statistical data

**Percentage of Claim Count and Average Severity of Compromise & Release  
and Stipulated Award Settlements**  
Geographic Region: Los Angeles\*\*

Policy Year 2013									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	9,225	86%	22,163	23,595	45,758	---	---	---	---
Stipulated Award	<u>1,446</u>	14%	<u>17,871</u>	<u>14,939</u>	<u>32,810</u>	---	---	---	---
Total/Average	10,671		21,582	22,422	44,003	---	---	---	---
Policy Year 2014									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	11,389	87%	23,797	22,984	46,781	23.5%	7.4%	-2.6%	2.2%
Stipulated Award	<u>1,740</u>	13%	<u>18,171</u>	<u>13,643</u>	<u>31,813</u>	<u>20.3%</u>	<u>1.7%</u>	<u>-8.7%</u>	<u>-3.0%</u>
Total/Average	13,129		23,051	21,746	44,797	23.0%	6.8%	-3.0%	1.8%
Policy Year 2015									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	12,553	87%	24,209	22,535	46,745	10.2%	1.7%	-2.0%	-0.1%
Stipulated Award	<u>1,823</u>	13%	<u>19,243</u>	<u>13,885</u>	<u>33,129</u>	<u>4.8%</u>	<u>5.9%</u>	<u>1.8%</u>	<u>4.1%</u>
Total/Average	14,376		23,580	21,438	45,018	9.5%	2.3%	-1.4%	0.5%
Policy Year 2016									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	12,349	88%	23,700	21,693	45,393	-1.6%	-2.1%	-3.7%	-2.9%
Stipulated Award	<u>1,678</u>	12%	<u>20,505</u>	<u>14,625</u>	<u>35,130</u>	<u>-8.0%</u>	<u>6.6%</u>	<u>5.3%</u>	<u>6.0%</u>
Total/Average	14,027		23,318	20,847	44,165	-2.4%	-1.1%	-2.8%	-1.9%

\*\*Includes Los Angeles County and remainder of Los Angeles Basin

Source: closed permanent disability claims from third report level unit statistical data

**Percentage of Claim Count and Average Severity of Compromise & Release  
and Stipulated Award Settlements**  
Geographic Region: San Diego\*\*

Policy Year 2013									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	1,265	82%	22,368	26,504	48,872	---	---	---	---
Stipulated Award	<u>285</u>	<u>18%</u>	<u>16,311</u>	<u>11,793</u>	<u>28,105</u>	---	---	---	---
Total/Average	1,550		21,255	23,799	45,054	---	---	---	---
Policy Year 2014									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	1,520	83%	23,329	27,189	50,518	20.2%	4.3%	2.6%	3.4%
Stipulated Award	<u>307</u>	17%	<u>17,813</u>	<u>12,259</u>	<u>30,072</u>	<u>7.7%</u>	<u>9.2%</u>	<u>3.9%</u>	<u>7.0%</u>
Total/Average	1,827		22,402	24,680	47,083	17.9%	5.4%	3.7%	4.5%
Policy Year 2015									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	1,640	85%	24,201	26,172	50,373	7.9%	3.7%	-3.7%	-0.3%
Stipulated Award	<u>281</u>	15%	<u>17,050</u>	<u>12,991</u>	<u>30,041</u>	<u>-8.5%</u>	<u>-4.3%</u>	<u>6.0%</u>	<u>-0.1%</u>
Total/Average	1,921		23,155	24,243	47,399	5.1%	3.4%	-1.8%	0.7%
Policy Year 2016									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	2,780	91%	15,289	15,276	30,565	69.5%	-36.8%	-41.6%	-39.3%
Stipulated Award	<u>272</u>	9%	<u>16,105</u>	<u>13,966</u>	<u>30,071</u>	<u>-3.2%</u>	<u>-5.5%</u>	<u>7.5%</u>	<u>0.1%</u>
Total/Average	3,052		15,362	15,159	30,521	58.9%	-33.7%	-37.5%	-35.6%

Source: closed permanent disability claims from third report level unit statistical data

**Percentage of Claim Count and Average Severity of Compromise & Release  
and Stipulated Award Settlements**  
Geographic Region: Other

Policy Year 2013									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	4,319	83%	25,720	29,043	54,763	---	---	---	---
Stipulated Award	<u>855</u>	<u>17%</u>	<u>16,855</u>	<u>13,977</u>	<u>30,831</u>	---	---	---	---
Total/Average	5,174		24,255	26,554	50,808	---	---	---	---
Policy Year 2014									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	5,123	83%	27,672	29,034	56,706	18.6%	7.6%	0.0%	3.5%
Stipulated Award	<u>1,026</u>	<u>17%</u>	<u>18,560</u>	<u>13,678</u>	<u>32,238</u>	<u>20.0%</u>	<u>10.1%</u>	<u>-2.1%</u>	<u>4.6%</u>
Total/Average	6,149		26,152	26,472	52,623	18.8%	7.8%	-0.3%	3.6%
Policy Year 2015									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	5,749	83%	26,686	27,256	53,942	12.2%	-3.6%	-6.1%	-4.9%
Stipulated Award	<u>1,170</u>	<u>17%</u>	<u>18,218</u>	<u>13,725</u>	<u>31,943</u>	<u>14.0%</u>	<u>-1.8%</u>	<u>0.3%</u>	<u>-0.9%</u>
Total/Average	6,919		25,254	24,968	50,222	12.5%	-3.4%	-5.7%	-4.6%
Policy Year 2016									
	<u>Claims</u>	<u>Claim Distribution</u>	<u>Average Indemnity</u>	<u>Average Medical</u>	<u>Average Incurred</u>	<u>% Change in Claims</u>	<u>% Change in Avg. Indemnity</u>	<u>% Change in Avg. Medical</u>	<u>% Change in Avg. Incurred</u>
Compromise & Release	4,825	83%	28,411	28,978	57,389	-16.1%	6.5%	6.3%	6.4%
Stipulated Award	<u>993</u>	<u>17%</u>	<u>18,510</u>	<u>13,923</u>	<u>32,433</u>	<u>-15.1%</u>	<u>1.6%</u>	<u>1.4%</u>	<u>1.5%</u>
Total/Average	5,818		26,721	26,409	53,130	-15.9%	5.8%	5.8%	5.8%

Source: closed permanent disability claims from third report level unit statistical data

**Division of Workers' Compensation (DWC) Distribution of Decisions by Type**

<u>Calendar Year</u>	<u>Compromise &amp; Release</u>	<u>Stipulations</u>	<u>Others</u>
1993	73.5%	19.6%	6.9%
1994	70.7%	22.3%	7.0%
1995	63.7%	28.7%	7.6%
1996	59.7%	31.3%	9.0%
1997	58.2%	32.7%	9.1%
1998	57.5%	33.2%	9.3%
1999	57.0%	34.4%	8.6%
2000	56.3%	35.3%	8.4%
2001	56.9%	35.3%	7.8%
2002	55.7%	36.3%	8.0%
2003	59.4%	33.1%	7.5%
2004	59.0%	34.0%	7.0%
2005	61.2%	31.5%	7.3%
2006	57.7%	33.5%	8.8%
2007	55.9%	34.7%	9.4%
2008*	54.4%	38.3%	7.3%
2009	52.2%	43.4%	4.4%
2010	49.5%	46.0%	4.5%
2011	51.2%	44.4%	4.3%
2012	51.4%	44.4%	4.2%
2013	54.5%	41.9%	3.6%
2014	57.7%	38.9%	3.4%
2015	59.3%	37.7%	3.0%
2016	60.7%	36.6%	2.7%
2017	61.1%	36.2%	2.7%
2018	61.6%	35.9%	2.5%
2019	62.4%	35.0%	2.5%

\*Prior to 8/9/2008, DWC's workload adjudication data was available from the legacy system. DWC transitioned to a new computer-based system, the Electronic Adjudication Management System (EAMS), at the end of August 2008. Therefore, data for 2008 are comprised of data both from the legacy and from the EAMS system and may not be directly comparable to previous years due to transition issues.

Source: DWC via Commission on Health and Safety & Workers' Compensation 2020 Annual Report

**Quarterly Expedited Hearings by Region**

<u>Time Period</u>	<u>Northern California</u>	<u>Central California</u>	<u>Southern California</u>	<u>Expedited Hearing</u>	<u>Change from Same Quarter in Prior Year</u>
1st Qtr 2011	---	---	---	2,503	---
2nd Qtr 2011	---	---	---	2,098	---
3rd Qtr 2011	---	---	---	2,462	---
4th Qtr 2011	---	---	---	2,439	---
1st Qtr 2012	---	---	---	2,480	-0.9%
2nd Qtr 2012	---	---	---	2,525	20.4%
3rd Qtr 2012	---	---	---	3,786	53.8%
4th Qtr 2012	---	---	---	2,673	9.6%
1st Qtr 2013	---	---	---	3,480	40.3%
2nd Qtr 2013	---	---	---	3,615	43.2%
3rd Qtr 2013	---	---	---	4,109	8.5%
4th Qtr 2013	---	---	---	4,013	50.1%
1st Qtr 2014	---	---	---	3,813	9.6%
2nd Qtr 2014	14.4%	24.6%	60.9%	4,463	23.5%
3rd Qtr 2014	16.6%	23.5%	59.8%	4,404	7.2%
4th Qtr 2014	16.9%	16.8%	66.3%	3,926	-2.2%
1st Qtr 2015	15.9%	18.2%	65.9%	4,062	6.5%
2nd Qtr 2015	18.0%	18.0%	63.9%	3,993	-10.5%
3rd Qtr 2015	17.6%	20.1%	62.3%	4,222	-4.1%
4th Qtr 2015	19.1%	20.3%	60.6%	4,252	8.3%
1st Qtr 2016	18.4%	20.7%	60.8%	4,507	11.0%
2nd Qtr 2016	16.7%	20.5%	62.8%	4,631	16.0%
3rd Qtr 2016	17.5%	20.3%	62.2%	4,764	12.8%
4th Qtr 2016	18.3%	20.1%	61.6%	4,569	7.5%
1st Qtr 2017	19.1%	20.3%	60.6%	4,983	10.6%
2nd Qtr 2017	16.8%	17.8%	65.4%	4,990	7.8%
3rd Qtr 2017	16.8%	15.3%	67.9%	5,041	5.8%
4th Qtr 2017	16.5%	15.3%	68.2%	5,155	12.8%
1st Qtr 2018	20.0%	16.4%	63.6%	5,633	13.0%
2nd Qtr 2018	19.7%	14.8%	65.5%	5,768	15.6%
3rd Qtr 2018	20.7%	13.8%	65.5%	5,594	11.0%
4th Qtr 2018	20.3%	12.5%	67.2%	5,537	7.4%
1st Qtr 2019	20.1%	14.6%	65.3%	5,705	1.3%
2nd Qtr 2019	17.8%	12.0%	70.2%	5,831	1.1%
3rd Qtr 2019	17.7%	14.8%	67.5%	6,380	14.1%
4th Qtr 2019	15.8%	12.7%	71.5%	5,793	4.6%
1st Qtr 2020	17.8%	13.7%	68.5%	5,773	1.2%
2nd Qtr 2020	18.3%	13.3%	68.4%	4,773	-18.1%
3rd Qtr 2020	19.3%	13.5%	67.1%	5,638	-11.6%
4th Qtr 2020	19.9%	15.2%	64.8%	5,992	3.4%
1st Qtr 2021	17.5%	12.7%	69.9%	6,414	11.1%

Source: DWC



## Quarterly Expedited Hearings - DOR Reasons by Region

### Northern California

<u>Time Period</u>	<u>Medical Treatment</u>	<u>TD</u>	<u>Other</u>
2Q14-4Q14	77.4%	18.1%	4.5%
2015	76.4%	19.9%	3.7%
2016	77.6%	19.2%	3.2%
2017	77.5%	20.5%	2.0%
2018	80.8%	17.3%	1.9%
2019	81.1%	17.1%	1.8%
2020	81.4%	17.2%	1.4%
1Q21	82.5%	16.1%	1.4%

### Central California

<u>Time Period</u>	<u>Medical Treatment</u>	<u>TD</u>	<u>Other</u>
2Q14-4Q14	86.8%	12.2%	1.0%
2015	84.6%	14.2%	1.2%
2016	87.3%	12.0%	0.7%
2017	84.8%	14.3%	0.9%
2018	84.7%	14.9%	0.4%
2019	82.7%	17.0%	0.3%
2020	81.9%	17.7%	0.5%
1Q21	82.5%	16.9%	0.6%

### Southern California

<u>Time Period</u>	<u>Medical Treatment</u>	<u>TD</u>	<u>Other</u>
2Q14-4Q14	70.0%	19.4%	10.7%
2015	65.4%	20.5%	14.1%
2016	69.1%	18.9%	12.0%
2017	71.5%	18.6%	9.9%
2018	74.2%	17.0%	8.8%
2019	77.7%	16.0%	6.3%
2020	79.7%	15.1%	5.3%
1Q21	82.4%	13.3%	4.3%

Source: DWC

### Number of Division of Workers' Compensation (DWC) Lien Decisions

<u>Calendar Year</u>	<u>Number of Lien Decisions (in 000s)</u>	<u>Year-to-Year Change</u>
1993	18.4	---
1994	26.3	42.9%
1995	33.6	27.8%
1996	33.9	0.9%
1997	27.1	-20.1%
1998	19.3	-28.8%
1999	17.6	-8.8%
2000	15.1	-14.2%
2001	14.8	-2.0%
2002	16.6	12.2%
2003	16.5	-0.6%
2004	21.2	28.5%
2005	24.3	14.6%
2006	28.3	16.5%
2007	35.2	24.4%
2008*	34.5	-2.0%
2009	28.5	-17.4%
2010	37.1	30.2%
2011	41.4	11.6%
2012	64.3	55.3%
2013	65.8	2.3%
2014	63.4	-3.6%
2015	64.1	1.1%
2016	56.1	-12.5%
2017	52.1	-7.1%
2018	49.7	-4.6%
2019	42.1	-15.3%

\*Prior to 8/9/2008, DWC's workload adjudication data was available from the legacy system. DWC transitioned to a new computer-based system, the Electronic Adjudication Management System (EAMS), at the end of August 2008. Therefore, data for 2008 are comprised of data both from the legacy and from the EAMS system and may not be directly comparable to previous years due to transition issues.

Source: DWC via Commission on Health and Safety & Workers' Compensation 2020 Annual Report (draft)

Liens Filed Counts\*

Counts by Region**								
Time Period	Bay Area	Central Coast/ Valley	Los Angeles County	Remainder of LA Basin	Remaining CA Zip Codes	Sacramento	San Diego County	Total
2011	18,723	24,414	283,774	114,554	2,535	3,934	15,922	463,856
1st Qtr 2012	5,490	7,245	97,245	38,034	895	1,248	4,936	155,093
2nd Qtr 2012	5,467	8,970	122,040	44,065	1,102	1,322	4,991	187,957
3rd Qtr 2012	6,434	15,289	207,639	85,152	698	1,407	6,611	323,230
4th Qtr 2012	10,397	25,730	342,549	123,129	1,119	1,557	8,523	513,004
1st Qtr 2013	1,232	2,193	46,830	17,032	230	268	1,312	69,097
2nd Qtr 2013	1,450	1,562	18,947	6,917	211	339	684	30,110
3rd Qtr 2013	1,607	1,795	25,999	9,855	247	410	991	40,904
4th Qtr 2013	1,928	2,025	29,537	10,893	276	358	1,136	46,153
1st Qtr 2014	1,841	2,029	25,668	10,117	239	384	1,165	41,443
2nd Qtr 2014	1,697	2,306	29,417	11,942	265	354	1,263	47,244
3rd Qtr 2014	1,941	1,996	29,665	12,198	355	424	1,378	47,957
4th Qtr 2014	1,690	2,371	34,772	12,469	374	384	1,488	53,548
1st Qtr 2015	2,071	3,058	45,827	18,016	431	488	2,133	72,024
2nd Qtr 2015	2,370	4,218	54,147	22,198	501	500	2,787	86,721
3rd Qtr 2015	2,428	4,977	61,619	24,827	691	526	3,047	98,115
4th Qtr 2015	2,338	4,991	68,843	26,571	686	495	3,085	107,009
1st Qtr 2016	2,884	5,410	67,259	27,326	672	538	3,931	108,020
2nd Qtr 2016	2,543	5,112	66,511	26,852	536	506	3,912	105,972
3rd Qtr 2016	2,243	4,167	45,707	20,136	420	462	3,404	76,539
4th Qtr 2016	1,872	4,433	66,169	25,942	506	397	4,400	103,719
1st Qtr 2017	1,228	1,872	24,947	9,594	334	312	1,380	39,667
2nd Qtr 2017	1,537	2,211	33,194	11,969	349	369	1,764	51,393
3rd Qtr 2017	1,700	2,047	29,215	10,487	298	419	1,149	45,315
4th Qtr 2017	1,535	1,804	26,566	9,914	313	366	1,176	41,674
1st Qtr 2018	1,501	1,575	28,754	10,848	312	406	1,314	44,710
2nd Qtr 2018	1,264	1,538	23,697	9,034	312	338	986	37,169
3rd Qtr 2018	1,156	1,178	18,596	6,340	241	309	702	28,522
4th Qtr 2018	1,276	1,217	19,034	6,108	230	308	690	28,863
1st Qtr 2019	1,206	1,044	17,863	5,664	268	336	577	26,958
2nd Qtr 2019	1,447	1,049	15,862	5,073	244	334	445	24,454
3rd Qtr 2019	1,246	1,195	16,354	4,731	319	381	549	24,775
4th Qtr 2019	1,206	948	15,597	4,496	286	334	434	23,301
1st Qtr 2020	1,189	1,108	14,627	4,095	260	360	461	22,100
2nd Qtr 2020	1,059	878	11,743	3,548	213	288	480	18,209
3rd Qtr 2020	1,462	825	13,277	3,875	260	420	408	20,527
4th Qtr 2020	1,368	706	13,494	4,128	261	255	325	20,537
1st Qtr 2021	1,111	806	14,407	4,134	277	288	353	21,376

Counts by Type						
Time Period	Interpreter	Medical	Medical- Legal	Copy Service	Other***	Total
2011	28,721	292,982	39,569	539	102,045	463,856
1st Qtr 2012	12,937	85,152	22,931	139	33,934	155,093
2nd Qtr 2012	17,162	106,336	37,440	65	26,954	187,957
3rd Qtr 2012	46,095	182,474	64,912	91	29,658	323,230
4th Qtr 2012	47,427	317,241	80,916	62	67,358	513,004
1st Qtr 2013	2,397	45,631	11,411	11	9,647	69,097
2nd Qtr 2013	831	22,480	587	20	6,192	30,110
3rd Qtr 2013	484	32,356	653	23	7,388	40,904
4th Qtr 2013	378	37,515	537	8	7,715	46,153
1st Qtr 2014	421	33,105	397	16	7,504	41,443
2nd Qtr 2014	275	38,534	320	10	8,105	47,244
3rd Qtr 2014	140	39,810	179	7	7,821	47,957
4th Qtr 2014	156	45,440	160	4	7,788	53,548
1st Qtr 2015	143	60,155	216	18	11,492	72,024
2nd Qtr 2015	152	74,037	268	7	12,257	86,721
3rd Qtr 2015	134	84,290	191	7	13,493	98,115
4th Qtr 2015	101	91,820	236	15	14,837	107,009
1st Qtr 2016	60	93,393	233	5	14,329	108,020
2nd Qtr 2016	90	89,781	467	6	15,628	105,972
3rd Qtr 2016	64	64,924	262	11	11,278	76,539
4th Qtr 2016	94	91,867	68	4	11,686	103,719
1st Qtr 2017	29	33,952	19	3	5,664	39,667
2nd Qtr 2017	33	43,470	34	5	7,851	51,393
3rd Qtr 2017	77	37,815	31	0	7,392	45,315
4th Qtr 2017	65	33,876	18	1	7,714	41,674
1st Qtr 2018	64	36,674	29	2	7,941	44,710
2nd Qtr 2018	103	29,276	22	0	7,768	37,169
3rd Qtr 2018	79	21,334	14	4	7,091	28,522
4th Qtr 2018	60	21,595	22	1	7,185	28,863
1st Qtr 2019	75	19,887	12	1	6,983	26,958
2nd Qtr 2019	54	18,497	17	1	5,885	24,454
3rd Qtr 2019	43	17,721	9	1	6,674	24,775
4th Qtr 2019	48	15,977	14	0	7,262	23,301
1st Qtr 2020	38	15,775	16	0	6,271	22,100
2nd Qtr 2020	16	12,693	8	0	5,492	18,209
3rd Qtr 2020	15	14,211	12	0	6,289	20,527
4th Qtr 2020	10	14,460	10	0	6,057	20,537
1st Qtr 2021	24	14,869	15	1	6,467	21,376

\* Lien Counts exclude SDI/EDD Liens

\*\* Regions reflect the following WCAB Office mapping: Bay Area - Oakland, San Jose, San Francisco; Central Coast/Valley - Bakersfield, Fresno, Goleta, Grover Beach, Salinas, Stockton; Los Angeles County - Long Beach, Los Angeles, Marina Del Rey, Pomona, Van Nuys; Remainder of LA Basin - Anaheim, Oxnard, Riverside, San Bernardino, Santa Ana; Remaining CA Zip Codes - Eureka, Redding, San Luis Obispo, Santa Barbara, Santa Rosa; Sacramento - Sacramento; San Diego County - San Diego

\*\*\*Other includes Attorney Fees, Family Support, Living Expense, PFL, Transport, Wage Replace Liens

Source: EAMS Liens Data

Liens Filed Counts\*

Counts by Region**								
Month	Bay Area	Central Coast/Valley	Los Angeles County	Remainder of LA Basin	Remaining CA Zip Codes	Sacramento	San Diego County	Total
Jan-17	210	347	5,362	2,380	69	64	316	8,748
Feb-17	421	598	8,251	3,112	122	118	453	13,075
Mar-17	597	927	11,334	4,102	143	130	611	17,844
Apr-17	474	764	11,573	4,118	110	106	640	17,785
May-17	519	835	11,395	4,175	121	132	573	17,750
Jun-17	544	612	10,226	3,676	118	131	551	15,858
Jul-17	530	548	10,092	3,636	101	130	426	15,463
Aug-17	594	703	10,712	3,690	109	146	412	16,366
Sep-17	576	796	8,411	3,161	88	143	311	13,486
Oct-17	514	773	9,856	3,585	100	128	413	15,369
Nov-17	451	496	8,506	3,214	110	119	371	13,267
Dec-17	570	535	8,204	3,115	103	119	392	13,038
Jan-18	473	565	9,986	3,636	98	123	457	15,338
Feb-18	490	479	8,982	3,451	101	140	481	14,124
Mar-18	538	531	9,786	3,761	113	143	376	15,248
Apr-18	387	546	8,851	3,375	97	90	361	13,707
May-18	477	513	8,380	3,433	112	126	308	13,349
Jun-18	400	479	6,466	2,226	103	122	317	10,113
Jul-18	386	414	6,101	2,109	79	124	229	9,442
Aug-18	406	422	7,039	2,338	76	91	275	10,647
Sep-18	364	342	5,456	1,893	86	94	198	8,433
Oct-18	476	454	6,645	2,270	74	106	271	10,296
Nov-18	454	431	6,436	2,097	81	117	237	9,853
Dec-18	346	332	5,953	1,741	75	85	182	8,714
Jan-19	434	371	6,394	1,918	78	113	191	9,499
Feb-19	407	385	5,581	1,802	120	116	205	8,616
Mar-19	365	288	5,888	1,944	70	107	181	8,843
Apr-19	449	374	5,683	1,903	99	121	188	8,817
May-19	535	366	5,352	1,734	82	113	152	8,334
Jun-19	463	309	4,827	1,436	63	100	105	7,303
Jul-19	444	389	5,595	1,685	96	139	167	8,515
Aug-19	457	483	5,717	1,580	115	122	202	8,676
Sep-19	345	323	5,042	1,466	108	120	180	7,584
Oct-19	453	379	5,941	1,778	112	135	161	8,959
Nov-19	394	294	5,056	1,461	86	107	150	7,548
Dec-19	359	275	4,600	1,257	88	92	123	6,794
Jan-20	477	296	5,126	1,402	117	157	169	7,744
Feb-20	396	420	4,720	1,323	76	114	159	7,208
Mar-20	316	392	4,781	1,370	67	89	133	7,148
Apr-20	324	237	4,111	1,322	71	76	163	6,304
May-20	374	226	3,469	1,025	73	81	113	5,361
Jun-20	361	415	4,163	1,201	69	131	204	6,544
Jul-20	445	305	4,659	1,354	98	122	157	7,140
Aug-20	430	260	4,198	1,212	77	195	133	6,505
Sep-20	587	260	4,420	1,309	85	103	118	6,882
Oct-20	518	286	4,963	1,457	86	91	122	7,523
Nov-20	447	220	4,103	1,343	96	81	118	6,408
Dec-20	403	200	4,428	1,328	79	83	85	6,606
Jan-21	305	231	4,666	1,319	75	78	116	6,790
Feb-21	378	300	4,474	1,361	83	118	126	6,840
Mar-21	428	275	5,267	1,454	119	92	111	7,746

Counts by Type

Month	Interpreter	Medical	Medical-Legal	Copy Service	Other***	Total
Jan-17	9	7,460	5	2	1,272	8,748
Feb-17	8	11,103	10	1	1,953	13,075
Mar-17	12	15,389	4	0	2,439	17,844
Apr-17	13	15,188	12	3	2,569	17,785
May-17	7	14,838	14	1	2,890	17,750
Jun-17	13	13,444	8	1	2,392	15,858
Jul-17	37	13,022	9	0	2,395	15,463
Aug-17	24	13,599	11	0	2,732	16,366
Sep-17	16	11,194	11	0	2,265	13,486
Oct-17	13	12,692	5	1	2,658	15,369
Nov-17	19	10,666	5	0	2,577	13,267
Dec-17	33	10,518	8	0	2,479	13,038
Jan-18	41	12,695	12	1	2,589	15,338
Feb-18	17	11,551	9	1	2,546	14,124
Mar-18	6	12,428	8	0	2,806	15,248
Apr-18	18	10,714	11	0	2,964	13,707
May-18	25	10,744	8	0	2,572	13,349
Jun-18	60	7,818	3	0	2,232	10,113
Jul-18	44	7,056	0	3	2,339	9,442
Aug-18	23	7,914	8	1	2,701	10,647
Sep-18	12	6,364	6	0	2,051	8,433
Oct-18	23	7,720	9	0	2,544	10,296
Nov-18	24	7,309	7	1	2,512	9,853
Dec-18	13	6,566	6	0	2,129	8,714
Jan-19	26	6,759	7	1	2,706	9,499
Feb-19	38	6,011	3	0	2,564	8,616
Mar-19	11	7,117	2	0	1,713	8,843
Apr-19	27	6,707	4	1	2,078	8,817
May-19	22	6,357	10	0	1,945	8,334
Jun-19	5	5,433	3	0	1,862	7,303
Jul-19	22	6,307	2	1	2,183	8,515
Aug-19	8	6,265	4	0	2,399	8,676
Sep-19	13	5,149	3	0	2,419	7,584
Oct-19	38	5,957	4	0	2,960	8,959
Nov-19	2	5,280	8	0	2,258	7,548
Dec-19	8	4,740	2	0	2,044	6,794
Jan-20	5	5,335	7	0	2,397	7,744
Feb-20	20	5,157	7	0	2,024	7,208
Mar-20	13	5,283	2	0	1,850	7,148
Apr-20	6	4,447	2	0	1,849	6,304
May-20	5	3,774	5	0	1,577	5,361
Jun-20	5	4,472	1	0	2,066	6,544
Jul-20	4	4,994	8	0	2,134	7,140
Aug-20	8	4,423	1	0	2,073	6,505
Sep-20	3	4,794	3	0	2,082	6,882
Oct-20	9	5,229	6	0	2,279	7,523
Nov-20	0	4,510	2	0	1,896	6,408
Dec-20	1	4,721	2	0	1,882	6,606
Jan-21	4	4,832	3	1	1,950	6,790
Feb-21	10	4,671	8	0	2,151	6,840
Mar-21	10	5,366	4	0	2,366	7,746

\* Lien Counts exclude SDI/EDD Liens

\*\* Regions reflect the following WCAB Office mapping: Bay Area - Oakland, San Jose, San Francisco; Central Coast/Valley - Bakersfield, Fresno, Goleta, Grover Beach, Salinas, Stockton; Los Angeles County - Long Beach, Los Angeles, Marina Del Rey, Pomona, Van Nuys; Remainder of LA Basin - Anaheim, Oxnard, Riverside, San Bernardino, Santa Ana; Remaining CA Zip Codes - Eureka, Redding, San Luis Obispo, Santa Barbara, Santa Rosa; Sacramento - Sacramento; San Diego County - San Diego

\*\*\*Other includes Attorney Fees, Family Support, Living Expense, PFL, Transport, Wage Replace Liens  
Source: EAMS Liens Data

### Medicare Set-aside Costs by Age Interval

#### First Survey Level

Accident Year	Percentage of PD Claims Involving Set-aside Claims			Average Set-aside Amount			Median Set-aside Amount		
	59 or Younger	60 or Older	Average	59 or Younger	60 or Older	Average	59 or Younger	60 or Older	Average
2011	0.9%	10.5%	1.9%	54,190	34,138	43,194	22,743	12,634	20,247
2012	0.5%	6.6%	1.1%	93,330	35,779	57,555	44,154	28,224	28,615
2013	0.8%	11.5%	2.0%	85,397	34,890	53,190	28,729	22,656	25,166
2014	0.8%	9.2%	1.7%	47,245	40,012	42,880	41,975	25,230	37,439
2015	0.1%	7.4%	0.9%	38,145	32,853	33,514	38,145	27,533	27,533
2016	0.6%	7.9%	1.5%	40,326	29,231	33,194	32,117	16,540	24,399
2017	0.2%	8.7%	1.2%	35,509	32,958	33,306	8,587	17,169	15,340
2018	0.6%	6.6%	1.4%	29,658	21,765	24,801	26,841	18,086	19,011

#### Second Survey Level

Accident Year	Percentage of PD Claims Involving Set-aside Claims			Average Set-aside Amount			Median Set-aside Amount		
	59 or Younger	60 or Older	Average	59 or Younger	60 or Older	Average	59 or Younger	60 or Older	Average
2011	1.6%	16.8%	3.1%	66,781	33,195	49,020	31,500	21,755	29,410
2012	1.3%	14.3%	2.7%	94,412	43,793	65,801	37,097	33,038	35,237
2013	1.5%	16.0%	3.1%	76,734	44,122	58,314	40,222	25,672	32,569
2014	1.9%	15.1%	3.4%	95,430	40,321	67,392	52,572	28,736	39,474
2015	0.2%	21.0%	2.7%	65,493	40,884	42,641	65,493	34,098	34,098
2016	1.2%	16.3%	3.1%	45,467	29,823	35,201	31,920	15,521	21,240
2017	1.3%	16.8%	3.4%	52,868	61,232	58,444	36,337	15,614	21,424

Source: WCIRB Permanent Disability Claim Survey.

### Medicare Set-aside Costs By Permanent Disability Rating Interval

#### First Survey Level

Accident Year	Percentage of PD Claims Involving Set-aside Claims				Average Set-aside Amount				Median Set-aside Amount			
	Less Than 25%	25% to 69%	70% or More	Average	Less Than 25%	25% to 69%	70% or More	Average	Less Than 25%	25% to 69%	70% or More	Average
2011	1.0%	4.1%	5.3%	1.9%	20,777	43,933	576,974	43,194	14,930	28,586	576,974	20,247
2012	0.3%	3.2%	7.4%	1.1%	19,076	51,369	278,838	57,555	16,902	31,609	278,838	28,615
2013	1.0%	3.8%	9.1%	2.0%	33,622	39,803	307,815	53,190	20,994	25,166	204,096	25,166
2014	0.5%	4.0%	10.0%	1.7%	28,092	43,308	90,827	42,880	21,065	37,439	61,277	37,439
2015	0.6%	3.3%	0.0%	0.9%	23,300	46,647	N/A	33,514	19,477	44,050	N/A	27,533
2016	0.9%	4.6%	33.3%	1.5%	24,479	44,636	38,627	33,194	11,170	36,023	35,766	24,399
2017	0.6%	6.8%	25.0%	1.2%	15,570	31,379	231,858	33,306	12,878	13,511	231,858	15,340
2018	0.9%	6.1%	N/A	1.4%	27,738	21,374	N/A	24,801	25,965	16,037	N/A	19,011

#### Second Survey Level

Accident Year	Percentage of PD Claims Involving Set-aside Claims				Average Set-aside Amount				Median Set-aside Amount			
	Less Than 25%	25% to 69%	70% or More	Average	Less Than 25%	25% to 69%	70% or More	Average	Less Than 25%	25% to 69%	70% or More	Average
2011	1.5%	6.7%	9.1%	3.1%	40,316	51,839	88,547	49,020	16,187	32,617	84,036	29,410
2012	1.0%	6.4%	21.1%	2.7%	32,197	54,702	249,859	65,801	23,309	35,237	151,666	35,237
2013	1.3%	6.2%	14.8%	3.1%	26,167	59,207	171,049	58,314	20,509	38,731	174,060	32,569
2014	1.1%	6.8%	29.3%	3.4%	38,337	53,027	217,650	67,392	37,487	37,004	153,195	39,474
2015	1.8%	7.3%	0.0%	2.7%	29,797	57,462	N/A	42,641	19,725	44,038	N/A	34,098
2016	2.4%	4.9%	50.0%	3.1%	21,179	51,967	78,383	35,201	10,880	31,920	43,718	21,240
2017	1.7%	9.8%	N/A	3.4%	83,829	41,944	N/A	58,444	13,992	29,853	N/A	21,424

Source: WCIRB Permanent Disability Claim Survey.

**IMR Filed Counts**

Quarterly IMRs Filed

<u>Year &amp; Quarter</u>	<u>IMRs Filed</u>	Change from Same Quarter in <u>Prior Year</u>	<u>Eligible IMRs</u>	Change from Same Quarter in <u>Prior Year</u>
2013 1Q & 2Q	878	---	---	---
2013 3Q	31,950	---	---	---
2013 4Q	51,092	---	---	---
2014 1Q	49,929	---	17,421	---
2014 2Q	60,023	---	24,417	---
2014 3Q	59,678	86.8%	54,959	---
2014 4Q	58,577	14.7%	46,512	---
2015 1Q	61,142	22.5%	36,314	108.4%
2015 2Q	65,418	9.0%	48,628	99.2%
2015 3Q	65,889	10.4%	40,603	-26.1%
2015 4Q	61,330	4.7%	39,950	-14.1%
2016 1Q	60,772	-0.6%	41,023	13.0%
2016 2Q	64,852	-0.9%	44,287	-8.9%
2016 3Q	62,411	-5.3%	43,892	8.1%
2016 4Q	61,318	0.0%	43,618	9.2%
2017 1Q	61,253	0.8%	43,194	5.3%
2017 2Q	62,773	-3.2%	42,866	-3.2%
2017 3Q	63,380	1.6%	42,836	-2.4%
2017 4Q	60,125	-1.9%	43,298	-0.7%
2018 1Q	64,533	5.4%	47,336	9.6%
2018 2Q	66,647	6.2%	48,175	12.4%
2018 3Q	61,658	-2.7%	45,775	6.9%
2018 4Q	59,539	-1.0%	44,941	3.8%
2019 1Q	56,083	-13.1%	42,334	-10.6%
2019 2Q	57,498	-13.7%	43,658	-9.4%
2019 3Q	55,759	-9.6%	43,873	-4.2%
2019 4Q	52,759	-11.4%	42,489	-5.5%
2020 1Q	51,925	-7.4%	38,405	-9.3%
2020 2Q	40,642	-29.3%	31,524	-27.8%
2020 3Q	45,183	-19.0%	34,674	-21.0%
2020 4Q	46,270	-12.3%	35,467	-16.5%
2021 1Q	45,406	-12.6%	34,354	-10.5%
2021 2Q	46,130	13.5%	35,250	11.8%

Yearly IMR Counts

	<u>Original IMR Applications</u>	<u>Duplicates</u>	<u>Ineligible</u>	<u>Total Rejected</u>	<u>Eligible IMRs</u>	<u>Eligible IMR Yearly Change</u>
2013 IMR Counts	83,920	15,560	15,516	31,076	52,844	---
2014 IMR Counts	228,084	56,503	28,272	84,775	143,309	171.2%
2015 IMR Counts	253,776	58,106	30,175	88,281	165,495	15.5%
2016 IMR Counts	249,353	53,314	23,219	76,533	172,820	4.4%
2017 IMR Counts	247,531	54,993	20,344	75,337	172,194	-0.4%
2018 IMR Counts	252,377	52,294	13,856	66,150	186,227	8.1%
2019 IMR Counts	222,099	44,773	4,972	49,745	172,354	-7.4%
2020 IMR Counts	184,020	35,133	8,817	43,950	140,070	-18.7%

Source: DWC Collected from IMR Vendor

DWC Via Commission on Health and Safety & Workers' Compensation 2020 Annual Report

**Reported Indemnity Claim Count Development – Statewide**

Accident Year	<u>15-27</u>	<u>27-39</u>	<u>39-51</u>	<u>51-63</u>	<u>63-75</u>	<u>75-87</u>	<u>87-99</u>	<u>99-111</u>
2002								
2003								0.999
2004							0.999	1.000
2005						1.001	1.000	1.000
2006					1.001	1.001	1.000	1.001
2007				1.003	1.002	1.000	1.000	1.001
2008			1.009	1.004	1.003	1.001	1.002	1.001
2009		1.023	1.008	1.005	1.003	1.003	1.001	1.000
2010	1.089	1.022	1.010	1.006	1.004	1.002	1.001	1.000
2011	1.100	1.026	1.011	1.007	1.002	1.001	1.001	1.000
2012	1.120	1.026	1.012	1.005	1.002	1.001	1.001	1.000
2013	1.102	1.029	1.008	1.004	1.001	1.002	1.001	
2014	1.114	1.019	1.008	1.004	1.001	1.000		
2015	1.100	1.016	1.005	1.003	1.002			
2016	1.101	1.019	1.005	1.002				
2017	1.088	1.017	1.005					
2018	1.092	1.014						
2019	1.084							
Latest Year								
I. <u>Age-to-Age</u>	1.084	1.014	1.005	1.002	1.002	1.000	1.001	1.000
II. <u>Age-to-Ultimate</u>	1.114	1.028	1.013	1.008	1.005	1.004	1.003	1.002
III. <u>Estimated Percent of Ultimate Indemnity Claims Reported</u>	89.8%	97.3%	98.7%	99.2%	99.5%	99.6%	99.7%	99.8%

**Reported Total Claim Count Development – Statewide**

Accident Year	<u>15-27</u>	<u>27-39</u>	<u>39-51</u>	<u>51-63</u>	<u>63-75</u>	<u>75-87</u>	<u>87-99</u>	<u>99-111</u>
2002								
2003								1.000
2004							1.000	1.000
2005						1.001	1.001	1.001
2006					1.001	1.001	1.001	1.001
2007				1.002	1.002	1.001	1.001	1.001
2008			1.006	1.003	1.002	1.001	1.001	1.001
2009		1.013	1.005	1.004	1.002	1.002	1.001	1.000
2010	1.047	1.011	1.006	1.003	1.003	1.002	1.001	1.001
2011	1.050	1.014	1.006	1.004	1.002	1.001	1.001	1.001
2012	1.061	1.013	1.007	1.003	1.002	1.001	1.001	1.000
2013	1.055	1.016	1.005	1.003	1.001	1.001	1.001	
2014	1.062	1.011	1.005	1.003	1.002	1.001		
2015	1.054	1.010	1.004	1.003	1.002			
2016	1.055	1.012	1.005	1.002				
2017	1.046	1.009	1.004					
2018	1.047	1.006						
2019	1.041							
Latest Year								
I. <u>Age-to-Age</u>	1.041	1.006	1.004	1.002	1.002	1.001	1.001	1.000
II. <u>Age-to-Ultimate</u>	1.060	1.018	1.012	1.009	1.006	1.005	1.004	1.003
III. <u>Estimated Percent of Ultimate Total Claims Reported</u>	94.4%	98.2%	98.8%	99.1%	99.4%	99.5%	99.6%	99.7%

Source: WCIRB quarterly calls for experience.



Indemnity Claim Settlement Ratios by Injury Type

Permanent Partial						Temporary					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
1998	8.7%	30.3%	52.6%	66.7%	73.9%	1998	69.9%	84.2%	90.2%	94.0%	95.7%
1999	8.5%	28.7%	49.6%	61.7%	68.6%	1999	68.5%	83.4%	89.8%	92.7%	94.5%
2000	7.9%	26.3%	44.6%	56.6%	65.7%	2000	63.9%	80.4%	86.7%	90.3%	92.3%
2001	6.8%	21.8%	40.6%	57.0%	68.8%	2001	60.8%	76.1%	84.9%	88.4%	90.6%
2002	5.1%	19.0%	41.1%	59.6%	71.0%	2002	60.4%	78.1%	85.3%	89.5%	92.3%
2003	4.0%	20.6%	44.0%	61.0%	72.1%	2003	64.5%	79.6%	87.2%	91.7%	94.2%
2004	5.2%	22.4%	43.9%	59.9%	71.1%	2004	67.0%	82.6%	90.0%	94.2%	95.2%
2005	5.9%	22.5%	43.2%	59.3%	69.6%	2005	67.3%	82.4%	89.5%	92.1%	95.2%
2006	6.5%	23.6%	44.3%	59.4%	68.9%	2006	68.7%	84.6%	90.3%	93.6%	95.3%
2007	6.0%	23.9%	43.6%	58.0%	68.1%	2007	69.2%	83.8%	90.5%	93.5%	94.9%
2008	6.1%	24.0%	43.2%	57.9%	69.8%	2008	68.5%	83.0%	88.9%	92.0%	94.2%
2009	6.1%	23.5%	42.4%	58.4%	70.6%	2009	66.9%	80.7%	86.8%	90.9%	93.1%
2010	7.2%	25.2%	45.7%	62.3%	73.6%	2010	64.8%	78.2%	85.5%	89.8%	92.5%
2011	8.0%	27.4%	48.6%	64.4%	75.6%	2011	63.3%	77.5%	84.9%	89.5%	91.8%
2012	9.2%	30.5%	51.4%	66.3%	77.6%	2012	63.1%	78.0%	86.1%	90.7%	93.0%
2013	10.2%	31.9%	53.2%	69.5%	80.0%	2013	62.9%	79.5%	87.0%	91.0%	93.5%
2014	10.8%	33.7%	55.9%	72.3%	82.4%	2014	65.1%	80.0%	87.0%	91.2%	93.9%
2015	12.8%	38.4%	60.7%	75.6%	84.6%	2015	64.5%	79.9%	87.8%	92.2%	95.0%
2016	14.3%	41.5%	64.3%	77.8%		2016	66.3%	82.0%	89.9%	94.7%	
2017	15.4%	41.8%	66.0%			2017	70.0%	86.6%	92.2%		
2018	15.9%	40.8%				2018	68.7%	85.6%			
2019	16.4%					2019	69.4%				

Cumulative Injury*						Non-Cumulative Injury					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
1998	10.7%	29.1%	48.8%	62.5%	71.1%	1998	25.8%	48.2%	66.9%	76.8%	82.0%
1999	12.2%	29.3%	46.7%	59.2%	67.5%	1999	29.3%	51.1%	66.1%	74.3%	79.1%
2000	11.6%	28.1%	43.9%	55.7%	65.3%	2000	30.8%	49.4%	62.9%	71.4%	77.0%
2001	10.5%	24.4%	41.7%	55.5%	66.2%	2001	26.1%	42.9%	58.4%	69.6%	77.4%
2002	10.5%	25.1%	42.8%	58.3%	69.4%	2002	26.4%	43.0%	59.5%	72.1%	79.8%
2003	11.8%	26.5%	44.5%	59.0%	69.2%	2003	29.7%	46.5%	63.2%	74.8%	82.2%
2004	14.8%	29.6%	46.0%	60.2%	69.6%	2004	34.1%	51.4%	66.3%	76.7%	83.2%
2005	12.6%	26.7%	42.3%	54.8%	64.5%	2005	37.8%	54.0%	67.6%	76.5%	84.3%
2006	12.7%	27.6%	42.8%	54.8%	64.1%	2006	39.0%	56.2%	69.1%	78.8%	84.0%
2007	13.4%	28.8%	43.4%	55.3%	65.2%	2007	39.3%	56.0%	69.8%	78.0%	83.3%
2008	12.0%	27.2%	42.0%	54.7%	65.9%	2008	39.1%	56.3%	68.4%	76.9%	83.6%
2009	11.3%	25.2%	40.5%	54.6%	66.9%	2009	39.4%	55.3%	67.5%	77.2%	83.7%
2010	12.9%	27.3%	44.7%	61.1%	71.9%	2010	39.2%	55.0%	68.7%	78.4%	84.9%
2011	11.8%	29.1%	48.4%	62.9%	73.0%	2011	39.4%	56.4%	70.0%	79.5%	85.7%
2012	12.8%	32.8%	50.5%	63.9%	75.0%	2012	40.3%	58.2%	72.0%	80.9%	87.0%
2013	15.9%	35.9%	54.0%	67.7%	78.0%	2013	41.2%	59.7%	73.2%	82.4%	88.3%
2014	17.5%	38.3%	55.6%	70.6%	80.4%	2014	42.9%	60.8%	74.6%	83.9%	89.5%
2015	18.5%	40.8%	59.4%	73.0%	82.7%	2015	42.2%	61.9%	75.9%	84.6%	90.9%
2016	22.0%	51.2%	72.7%	78.0%		2016	44.9%	64.8%	78.8%	87.7%	
2017	20.2%	42.5%	73.1%			2017	49.8%	71.0%	81.3%		
2018	24.4%	44.0%				2018	47.3%	68.4%			
2019	22.5%					2019	48.2%				

All Indemnity					
AY/RL	1	2	3	4	5
1998	37.1%	55.3%	70.1%	79.4%	84.0%
1999	36.5%	54.2%	68.3%	76.2%	80.7%
2000	34.6%	52.1%	64.7%	72.7%	78.4%
2001	31.5%	46.6%	60.9%	71.4%	78.8%
2002	29.5%	45.1%	60.6%	72.8%	80.4%
2003	31.4%	47.3%	63.5%	74.9%	82.1%
2004	35.5%	51.9%	66.4%	76.7%	82.9%
2005	38.7%	54.6%	68.0%	76.9%	83.3%
2006	39.4%	55.9%	68.6%	77.5%	82.9%
2007	39.0%	55.2%	68.0%	76.5%	82.1%
2008	37.4%	53.6%	66.1%	75.0%	82.0%
2009	36.0%	51.6%	64.3%	74.4%	81.7%
2010	35.8%	51.5%	65.4%	75.9%	82.9%
2011	35.6%	52.4%	66.8%	77.0%	83.7%
2012	36.4%	54.4%	68.9%	78.6%	85.4%
2013	36.8%	55.9%	70.3%	80.3%	86.9%
2014	38.2%	57.1%	71.6%	81.8%	88.2%
2015	38.9%	59.4%	74.4%	84.0%	89.8%
2016	41.1%	62.4%	77.5%	86.5%	
2017	43.4%	64.7%	79.3%		
2018	44.0%	64.4%			
2019	43.6%				

Notes:

\*Cumulative Injury includes both cumulative injury and occupational disease.

Settlement rates are based on claim counts developed to 5th report.

Source: WCIRB Unit Statistical data

**Ratio of Incremental Closed Indemnity Claims to Prior Open Indemnity Claims**

Accident Year	Development								
	<u>3-15</u>	<u>15-27</u>	<u>27-39</u>	<u>39-51</u>	<u>51-63</u>	<u>63-75</u>	<u>75-87</u>	<u>87-99</u>	<u>99-111</u>
2002									16.7%
2003								17.9%	18.0%
2004							20.1%	19.0%	18.4%
2005						22.0%	21.0%	19.4%	24.1%
2006					25.3%	21.5%	20.5%	24.2%	20.1%
2007				27.0%	24.0%	22.7%	26.6%	21.9%	23.1%
2008			26.9%	26.4%	25.2%	27.8%	25.1%	25.5%	23.8%
2009		25.4%	26.5%	26.7%	28.4%	26.4%	27.6%	25.9%	24.0%
2010	29.0%	26.1%	27.0%	30.5%	28.8%	29.4%	28.5%	27.0%	25.4%
2011	28.8%	26.6%	29.9%	30.9%	30.9%	29.4%	29.5%	29.1%	25.7%
2012	28.4%	28.7%	31.2%	32.1%	31.9%	32.0%	31.0%	28.3%	23.4%
2013	28.3%	30.2%	32.5%	34.4%	34.7%	32.5%	31.9%	27.2%	
2014	28.8%	31.7%	33.8%	36.9%	35.6%	32.8%	27.4%		
2015	29.5%	33.8%	37.2%	38.6%	35.8%	28.0%			
2016	30.9%	36.1%	39.6%	38.6%	31.1%				
2017	33.5%	38.1%	39.5%	33.7%					
2018	34.0%	37.7%	34.4%						
2019	34.0%	33.6%							
2020	33.3%								

Source: WCIRB quarterly calls for experience

**Ratio of Incremental Closed Indemnity Claims to Prior Open Indemnity Claims**

Accident Year	Development														
	<u>3-6</u>	<u>6-9</u>	<u>9-12</u>	<u>12-15</u>	<u>15-18</u>	<u>18-21</u>	<u>21-24</u>	<u>24-27</u>	<u>27-30</u>	<u>30-33</u>	<u>33-36</u>	<u>36-39</u>	<u>39-42</u>	<u>42-45</u>	<u>45-48</u>
2009	4.0%	7.9%	10.3%	10.6%	8.5%	6.8%	6.6%	6.5%	6.9%	7.6%	7.8%	7.2%	7.9%	7.1%	7.7%
2010	4.1%	7.5%	10.4%	11.1%	8.5%	6.8%	7.1%	6.8%	7.6%	7.3%	7.9%	7.8%	9.1%	8.8%	9.3%
2011	4.3%	7.2%	10.6%	10.7%	8.7%	7.0%	7.3%	7.0%	8.4%	8.3%	9.2%	8.4%	8.5%	9.2%	9.1%
2012	4.3%	7.4%	10.4%	10.5%	9.1%	7.5%	8.2%	7.6%	8.6%	9.2%	9.3%	8.9%	9.3%	9.5%	9.6%
2013	4.2%	7.1%	10.4%	10.6%	9.4%	8.4%	8.6%	8.5%	9.2%	9.3%	9.9%	9.8%	10.4%	10.1%	10.6%
2014	4.1%	7.3%	10.3%	11.2%	9.6%	9.1%	9.0%	9.1%	9.6%	9.9%	10.5%	9.9%	11.4%	10.4%	11.5%
2015	4.1%	7.6%	10.5%	11.7%	10.7%	9.3%	9.8%	10.2%	11.1%	10.7%	11.4%	11.0%	11.8%	11.4%	11.5%
2016	4.3%	7.7%	11.0%	12.5%	11.2%	10.1%	10.8%	10.4%	11.9%	11.4%	12.4%	11.8%	12.0%	11.0%	11.5%
2017	4.8%	8.3%	12.4%	13.1%	12.2%	11.0%	11.6%	10.8%	11.9%	11.6%	12.0%	11.1%	9.7%	10.0%	9.6%
2018	4.8%	8.5%	12.4%	13.2%	11.9%	10.8%	11.0%	10.5%	9.7%	10.0%	10.1%	9.5%			
2019	4.8%	8.5%	12.5%	12.9%	10.5%	9.6%	9.3%	8.9%							
2020	4.9%	12.1%	16.2%	12.0%											

Note: All figures in each accident year contain information from the same combination of insurers, all of whom submitted complete data for all evaluations for that accident year. Therefore, each accident year may contain a different mix of insurers (ranging from 85% to 100% of the total California workers' compensation insured market measured using 2019 earned premium levels).

Source: WCIRB quarterly calls for experience

**Reopening Rates Based on Unit Statistical Data**

PY/RL	Reopening Rates						
	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	5th to 6th	6th to 7th	7th to 8th
2003	0.68%	0.43%	0.38%	0.31%	0.24%	0.23%	0.18%
2004	0.60%	0.40%	0.32%	0.27%	0.27%	0.18%	0.12%
2005	0.63%	0.34%	0.29%	0.29%	0.25%	0.14%	0.11%
2006	0.62%	0.38%	0.39%	0.37%	0.22%	0.15%	0.13%
2007	0.64%	0.60%	0.53%	0.29%	0.23%	0.17%	0.14%
2008	1.24%	0.80%	0.38%	0.32%	0.27%	0.17%	0.14%
2009	1.22%	0.48%	0.40%	0.38%	0.26%	0.19%	0.16%
2010	0.74%	0.53%	0.45%	0.35%	0.26%	0.20%	0.14%
2011	0.86%	0.60%	0.48%	0.40%	0.31%	0.18%	0.14%
2012	0.92%	0.60%	0.54%	0.39%	0.26%	0.17%	
2013	0.89%	0.67%	0.47%	0.37%	0.23%		
2014	0.84%	0.62%	0.41%	0.29%			
2015	0.74%	0.53%	0.36%				
2016	0.72%	0.44%					
2017	0.65%						

PY/RL	Average Incurred for Reopened Claims						
	2nd	3rd	4th	5th	6th	7th	8th
2003	23,295	26,362	47,715	50,915	57,195	62,371	72,056
2004	20,348	27,536	35,748	50,349	50,964	71,644	75,968
2005	24,800	30,865	41,020	47,858	59,755	66,347	79,249
2006	25,237	29,803	36,576	45,402	62,900	65,690	76,528
2007	24,977	25,653	36,417	57,370	67,285	75,642	83,655
2008	17,783	22,985	45,903	58,719	65,007	79,550	109,922
2009	19,985	32,723	43,640	56,804	67,492	78,072	76,602
2010	25,513	33,258	47,060	56,399	66,372	82,341	81,822
2011	26,482	34,265	45,437	57,611	61,198	68,020	83,767
2012	26,314	34,862	44,611	55,943	61,313	63,521	
2013	26,914	36,436	47,811	53,086	60,219		
2014	28,634	38,942	45,984	54,521			
2015	28,197	35,267	46,876				
2016	28,193	36,474					
2017	28,298						

Source: WCIRB unit statistical data

Reopening Rates by Injury Type

Permanent Indemnity								Temporary Indemnity							
PY/RL	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	PY/RL	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8
2003	2.51%	2.15%	1.96%	1.66%	1.23%	1.15%	0.86%	2003	1.24%	0.81%	0.62%	0.40%	0.26%	0.16%	0.14%
2004	2.08%	2.33%	1.75%	1.72%	1.57%	1.01%	0.71%	2004	1.11%	0.80%	0.60%	0.34%	0.30%	0.20%	0.10%
2005	2.73%	1.94%	2.00%	1.94%	1.60%	0.87%	0.65%	2005	1.17%	0.67%	0.48%	0.36%	0.28%	0.14%	0.11%
2006	2.34%	2.23%	2.30%	2.27%	1.47%	0.92%	0.77%	2006	1.14%	0.82%	0.57%	0.46%	0.28%	0.18%	0.14%
2007	2.47%	3.03%	2.82%	1.86%	1.32%	0.98%	0.77%	2007	1.20%	0.94%	0.71%	0.40%	0.28%	0.16%	0.13%
2008	4.02%	3.54%	2.17%	1.87%	1.44%	0.86%	0.73%	2008	1.67%	1.12%	0.57%	0.40%	0.29%	0.18%	0.12%
2009	3.81%	2.42%	1.91%	1.80%	1.26%	0.85%	0.70%	2009	1.80%	0.81%	0.60%	0.47%	0.27%	0.24%	0.17%
2010	2.15%	2.23%	2.09%	1.56%	1.15%	0.84%	0.58%	2010	1.23%	0.91%	0.64%	0.50%	0.33%	0.22%	0.13%
2011	2.68%	2.38%	2.20%	1.80%	1.21%	0.74%	0.57%	2011	1.55%	1.04%	0.71%	0.51%	0.35%	0.17%	0.13%
2012	2.68%	2.85%	2.39%	1.74%	1.03%	0.66%		2012	1.51%	0.98%	0.80%	0.48%	0.30%	0.20%	
2013	3.35%	3.07%	2.02%	1.48%	0.86%			2013	1.47%	1.17%	0.68%	0.44%	0.27%		
2014	3.16%	2.86%	1.67%	1.10%				2014	1.45%	1.01%	0.59%	0.35%			
2015	2.89%	2.18%	1.37%					2015	1.17%	0.88%	0.48%				
2016	1.70%	1.43%						2016	1.14%	0.72%					
2017	1.50%							2017	1.05%						

All Indemnity								Medical Only							
PY/RL	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	PY/RL	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8
2003	1.32%	1.10%	1.08%	0.91%	0.69%	0.63%	0.48%	2003	0.56%	0.26%	0.14%	0.08%	0.05%	0.05%	0.05%
2004	1.17%	1.09%	0.94%	0.83%	0.81%	0.54%	0.36%	2004	0.49%	0.23%	0.13%	0.08%	0.08%	0.04%	0.03%
2005	1.28%	0.90%	0.91%	0.91%	0.78%	0.43%	0.33%	2005	0.51%	0.21%	0.11%	0.10%	0.07%	0.03%	0.03%
2006	1.23%	1.09%	1.08%	1.10%	0.74%	0.48%	0.41%	2006	0.50%	0.21%	0.19%	0.14%	0.04%	0.03%	0.03%
2007	1.29%	1.37%	1.35%	0.93%	0.70%	0.51%	0.42%	2007	0.53%	0.42%	0.29%	0.09%	0.06%	0.04%	0.03%
2008	1.86%	1.66%	1.09%	0.97%	0.79%	0.49%	0.41%	2008	1.12%	0.58%	0.16%	0.10%	0.07%	0.04%	0.03%
2009	1.98%	1.19%	1.05%	1.01%	0.71%	0.53%	0.43%	2009	1.07%	0.29%	0.18%	0.14%	0.07%	0.04%	0.04%
2010	1.32%	1.24%	1.16%	0.94%	0.70%	0.51%	0.35%	2010	0.62%	0.33%	0.19%	0.10%	0.07%	0.05%	0.03%
2011	1.68%	1.40%	1.25%	1.05%	0.74%	0.44%	0.34%	2011	0.68%	0.36%	0.18%	0.12%	0.10%	0.06%	0.03%
2012	1.67%	1.50%	1.39%	1.01%	0.63%	0.41%		2012	0.75%	0.30%	0.19%	0.10%	0.07%	0.05%	
2013	1.73%	1.70%	1.19%	0.89%	0.54%			2013	0.68%	0.31%	0.17%	0.12%	0.07%		
2014	1.70%	1.57%	1.01%	0.68%				2014	0.63%	0.28%	0.15%	0.09%			
2015	1.45%	1.29%	0.84%					2015	0.56%	0.25%	0.14%				
2016	1.24%	0.96%						2016	0.58%	0.24%					
2017	1.12%							2017	0.53%						

All Claims							
PY/RL	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8
2003	0.68%	0.43%	0.38%	0.31%	0.24%	0.23%	0.18%
2004	0.60%	0.40%	0.32%	0.27%	0.27%	0.18%	0.12%
2005	0.63%	0.34%	0.29%	0.29%	0.25%	0.14%	0.11%
2006	0.62%	0.38%	0.39%	0.37%	0.22%	0.15%	0.13%
2007	0.64%	0.60%	0.53%	0.29%	0.23%	0.17%	0.14%
2008	1.24%	0.80%	0.38%	0.32%	0.27%	0.17%	0.14%
2009	1.22%	0.48%	0.40%	0.38%	0.26%	0.19%	0.16%
2010	0.74%	0.53%	0.45%	0.35%	0.26%	0.20%	0.14%
2011	0.86%	0.60%	0.48%	0.40%	0.31%	0.18%	0.14%
2012	0.92%	0.60%	0.54%	0.39%	0.26%	0.17%	
2013	0.89%	0.67%	0.47%	0.37%	0.23%		
2014	0.84%	0.62%	0.41%	0.29%			
2015	0.74%	0.53%	0.36%				
2016	0.72%	0.44%					
2017	0.65%						

Note: Injury types are fixed at denominator age.

Source: WCIRB unit statistical data

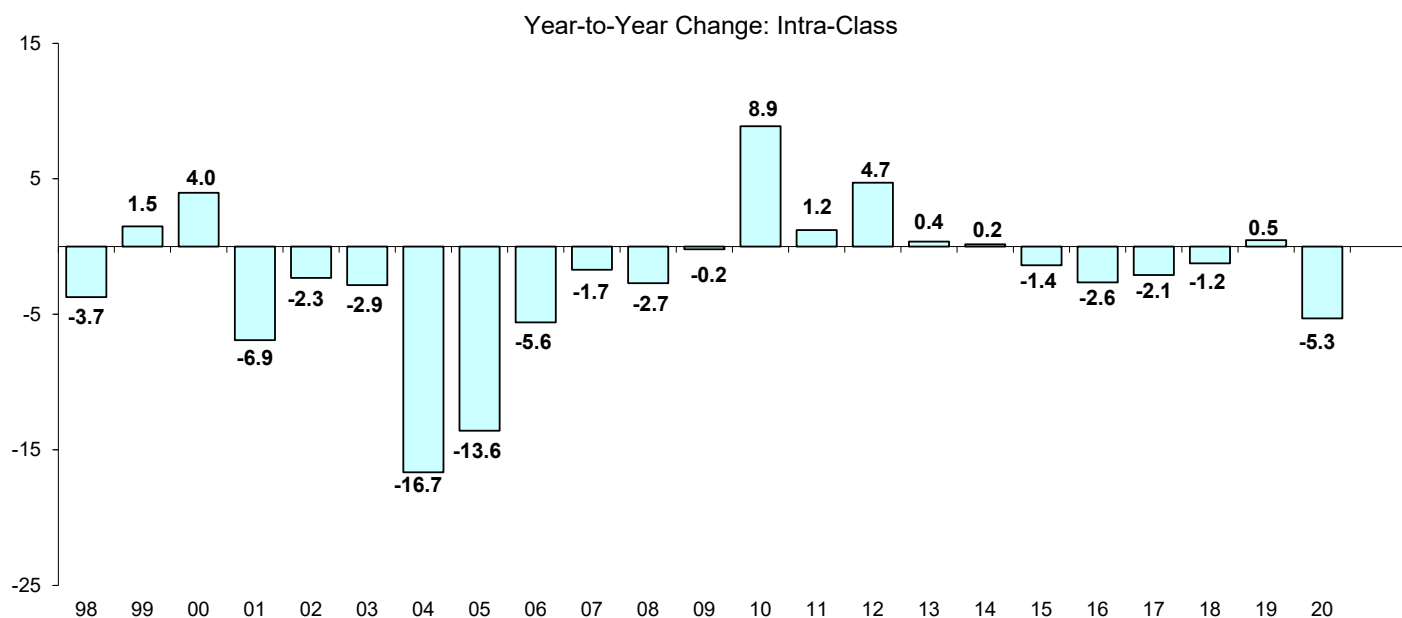
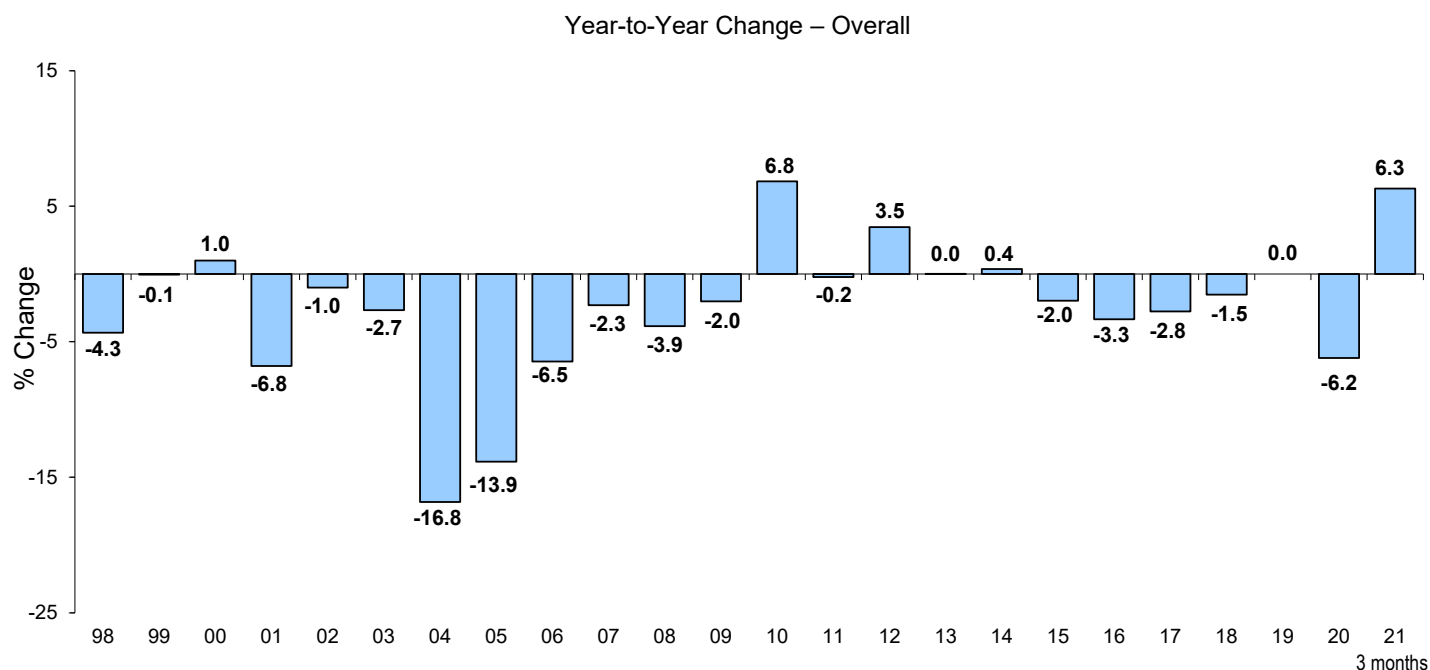
**Closed-Closed Development Based on Unit Statistical Data**

PY/RL	Developing Closed Claim Rates						
	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	5th to 6th	6th to 7th	7th to 8th
2003	24.16%	13.85%	12.12%	18.44%	9.70%	5.04%	5.54%
2004	22.60%	14.45%	21.30%	9.15%	5.26%	5.26%	1.11%
2005	20.78%	20.68%	8.28%	4.98%	4.34%	1.36%	1.11%
2006	27.49%	9.95%	5.46%	4.42%	1.84%	1.49%	1.43%
2007	20.05%	6.62%	5.38%	2.53%	2.36%	1.90%	1.48%
2008	11.84%	6.47%	3.85%	3.43%	2.80%	2.08%	1.58%
2009	11.69%	5.58%	4.72%	3.83%	2.93%	2.23%	1.85%
2010	10.20%	6.10%	4.45%	3.36%	2.57%	2.11%	1.65%
2011	10.88%	5.43%	3.76%	2.71%	2.13%	1.58%	1.64%
2012	10.42%	5.27%	3.97%	2.92%	3.32%	2.11%	
2013	9.95%	5.69%	3.96%	4.21%	2.65%		
2014	9.19%	5.12%	5.04%	3.13%			
2015	9.12%	6.18%	4.08%				
2016	9.33%	5.22%					
2017	7.81%						

Closed-Closed Total Incurred Development as a Percent of Total Incurred Development on All Claims							
PY/RL	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	5th to 6th	6th to 7th	7th to 8th
2003	1.43%	2.43%	5.04%	8.44%	6.10%	3.57%	4.00%
2004	1.64%	2.18%	6.20%	4.24%	3.13%	3.65%	3.14%
2005	1.49%	3.49%	2.91%	3.23%	3.48%	3.53%	3.54%
2006	1.93%	1.88%	2.61%	3.12%	3.18%	3.23%	5.20%
2007	1.43%	1.57%	2.46%	3.25%	4.55%	2.93%	5.55%
2008	0.99%	1.62%	2.32%	3.81%	4.41%	6.09%	5.39%
2009	1.01%	1.46%	2.96%	4.18%	4.71%	9.16%	10.13%
2010	0.87%	1.94%	3.53%	5.35%	7.31%	9.40%	8.01%
2011	1.05%	2.26%	4.31%	5.75%	7.38%	7.55%	5.13%
2012	1.32%	3.07%	5.33%	6.71%	4.87%	7.51%	
2013	1.41%	3.52%	6.09%	6.04%	7.55%		
2014	1.62%	3.29%	5.50%	6.09%			
2015	1.60%	3.47%	5.91%				
2016	1.55%	3.20%					
2017	1.49%						

Source: WCIRB unit statistical data

# **California Workers' Compensation Estimated Indemnity Claim Frequency by Accident Year**



**Note:**

The 2020 and 2021 estimates are based on a comparison of claim counts based on WCIRB accident year experience as of March 31, 2021 relative to the estimated change in statewide employment. The 2020 and 2021 estimates are without COVID-19 claims. Prior years are based on unit statistical data.

2020 Accident Year Indemnity Claim Frequency Model  
As of PY 2018 1st Set & June 2021 UCLA

AY	Annual % Changes Intra- Class Ind Freq	Intra-Class Indemnity Frequency per \$M Exposure at PY 2019 Level			Annual Log Differences		Economic Variables (1st Prin. Comp.)	CalOSHA Dummy Variable
		Total	Cumulative	Non-cum.	AY+1 Indemnity Benefit Level	Cumulative Injury Index		
1979	0.5%	0.005	-0.053	0.007	0.000	-0.060	0.129	0.000
1980	-6.5%	-0.068	-0.132	-0.066	0.033	-0.066	-0.078	0.000
1981	-3.5%	-0.036	-0.028	-0.036	0.000	0.008	-0.076	0.000
1982	-1.6%	-0.016	0.153	-0.022	0.352	0.175	-0.285	0.000
1983	6.2%	0.060	0.214	0.054	0.081	0.160	0.028	0.000
1984	9.5%	0.091	0.235	0.084	0.000	0.151	0.215	0.000
1985	2.0%	0.020	0.138	0.014	0.000	0.124	0.078	0.000
1986	-2.4%	-0.024	0.039	-0.028	0.000	0.067	0.075	0.000
1987	1.5%	0.015	0.053	0.013	0.000	0.041	0.145	0.000
1988	0.7%	0.007	0.104	0.000	0.000	0.104	0.084	0.000
1989	2.5%	0.024	0.212	0.009	0.046	0.203	0.043	0.000
1990	9.0%	0.087	0.337	0.061	0.071	0.276	-0.115	0.000
1991	0.3%	0.003	0.166	-0.018	0.023	0.184	-0.282	0.000
1992	-11.1%	-0.118	-0.272	-0.098	0.013	-0.174	-0.181	0.068
1993	-14.9%	-0.162	-0.240	-0.153	-0.057	-0.088	-0.021	0.464
1994	-12.8%	-0.136	-0.462	-0.107	0.061	-0.355	0.103	0.173
1995	-4.6%	-0.048	-0.016	-0.050	0.053	0.034	0.089	0.295
1996	-6.8%	-0.070	-0.136	-0.065	0.096	-0.071	0.072	0.000
1997	-3.3%	-0.033	-0.023	-0.034	0.066	0.011	0.132	0.000
1998	-3.7%	-0.038	-0.039	-0.038	0.058	-0.002	0.075	0.000
1999	1.5%	0.015	0.100	0.008	0.040	0.092	0.122	0.000
2000	4.0%	0.039	0.070	0.036	-0.003	0.034	0.063	0.000
2001	-6.9%	-0.072	-0.017	-0.076	-0.007	0.059	-0.096	0.000
2002	-2.3%	-0.023	0.008	-0.026	0.060	0.034	-0.194	0.000
2003	-2.9%	-0.029	-0.006	-0.031	-0.065	0.025	-0.022	0.000
2004	-16.7%	-0.182	-0.210	-0.180	-0.398	-0.030	0.090	0.000
2005	-13.6%	-0.146	-0.298	-0.133	0.051	-0.165	0.135	0.000
2006	-5.6%	-0.058	-0.049	-0.058	0.016	0.009	0.090	0.000
2007	-1.7%	-0.017	0.020	-0.020	0.049	0.040	-0.080	0.000
2008	-2.7%	-0.027	0.038	-0.033	0.006	0.071	-0.296	0.000
2009	-0.2%	-0.002	0.168	-0.018	0.066	0.186	-0.414	0.000
2010	8.9%	0.085	0.139	0.079	0.012	0.060	-0.090	0.000
2011	1.2%	0.012	0.032	0.010	0.003	0.022	0.048	0.000
2012	4.7%	0.046	0.127	0.036	0.025	0.091	0.123	0.000
2013	0.4%	0.004	0.126	-0.013	0.071	0.139	0.155	0.000
2014	0.2%	0.002	0.042	-0.004	0.003	0.046	0.179	0.000
2015	-1.4%	-0.014	0.006	-0.017	0.002	0.023	0.194	0.000
2016	-2.6%	-0.027	0.053	-0.040	0.004	0.093	0.126	0.000
2017	-2.1%	-0.021	-0.084	-0.011	0.004	-0.073	0.133	0.000
2018	-1.2%	-0.013	-0.055	-0.006	0.003	-0.049	0.126	0.000
2019*	0.5%	0.005	0.070	-0.007	0.004	0.077	0.032	0.000
2020	-11.2%	-0.118	-0.118	-0.118	0.004	0.000	-0.900	0.000
2021	2.1%	0.020	0.020	0.020	0.007	0.000	0.355	0.000
2022	1.5%	0.015	0.015	0.015	0.000	0.000	0.319	0.000
2023	0.3%	0.003	0.003	0.003	0.000	0.000	0.205	0.000

Y = Hazardousness-Adjusted Noncumulative Indemnity Claim Frequency

Constant -0.020

Std Err of Y Est 0.038

R Squared 0.577

No. of Observations 41.000

Degrees of Freedom 36

X Coefficient(s) 0.177 0.278 0.110 -0.144

Std Err of Coef. 0.070 0.059 0.043 0.074

Notes:

Indemnity Benefit Level variable is leading. The benefit level change for AY 2004 is related to the AY 2003 change in non-cumulative frequency.

The Indemnity Benefit Level change for Ogilvie & Almaraz / Guzman in 2009-2010 is not leading.

The Indemnity Benefit Level variable excludes indemnity benefit utilization, and changes in the death and permanent total benefits.

The Indemnity Benefit Level variable has been revised due to on-leveling reassessments. See Actuarial Committee item AC09-03-03.

For 1993 on, cumulative claims include both cumulative trauma and occupational disease claims. See March 19, 2014 Actuarial Committee Agenda Item III.

Economic variables are historical through 2020; June 2021 UCLA Anderson Forecasts for 2021 on.

Regression is over AY 1979 through AY 2019. AY 2020 through AY 2023 are projections.

The constant term, -0.020, consists of measured offsets that recognize annual changes in real benefit levels relative to nominal benefit levels and long-term economic growth. Without these offsets, the indemnity benefit level and economic variables would project frequency to increase without bound.

\*AY 2019 change is based on a comparison of 2019 accidents on 2018 policies to 2018 accidents on 2017 policies.

\*AY 2019 change is based on a comparison of 2019 accidents on 2018 policies to 2018 accidents on 2017 policies.



Indemnity Claim Frequency History and Projections

AY	Intra-Class Indemnity Claim Frequency(a)	Inter-Class Indemnity Claim Frequency Index(b)	Overall Indemnity Claim Frequency	Annual Percent Changes		
				Intra-Class	Inter-Class	Overall
1979	0.478	0.921	0.575	---	---	---
1980	0.446	0.914	0.534	-6.54%	-0.75%	-7.24%
1981	0.431	0.900	0.507	-3.54%	-1.56%	-5.04%
1982	0.424	0.882	0.489	-1.59%	-2.00%	-3.56%
1983	0.450	0.873	0.514	6.20%	-0.98%	5.17%
1984	0.493	0.871	0.562	9.53%	-0.18%	9.32%
1985	0.503	0.867	0.570	2.05%	-0.51%	1.52%
1986	0.491	0.859	0.552	-2.38%	-0.92%	-3.28%
1987	0.498	0.854	0.557	1.53%	-0.56%	0.97%
1988	0.502	0.854	0.561	0.69%	-0.06%	0.64%
1989	0.514	0.853	0.574	2.47%	-0.08%	2.39%
1990	0.561	0.845	0.620	9.04%	-0.89%	8.07%
1991	0.562	0.832	0.612	0.28%	-1.58%	-1.30%
1992	0.500	0.820	0.537	-11.09%	-1.45%	-12.37%
1993	0.426	0.810	0.451	-14.91%	-1.25%	-15.98%
1994	0.371	0.809	0.393	-12.76%	-0.06%	-12.81%
1995	0.354	0.811	0.375	-4.64%	0.16%	-4.49%
1996	0.330	0.800	0.346	-6.78%	-1.25%	-7.95%
1997	0.319	0.791	0.330	-3.29%	-1.23%	-4.48%
1998	0.307	0.786	0.316	-3.73%	-0.60%	-4.31%
1999	0.312	0.774	0.316	1.48%	-1.49%	-0.02%
2000	0.324	0.752	0.319	3.96%	-2.91%	0.93%
2001	0.302	0.753	0.297	-6.91%	0.13%	-6.78%
2002	0.295	0.763	0.294	-2.31%	1.34%	-1.00%
2003	0.286	0.764	0.286	-2.85%	0.20%	-2.66%
2004	0.239	0.763	0.238	-16.67%	-0.21%	-16.84%
2005	0.206	0.760	0.205	-13.59%	-0.31%	-13.86%
2006	0.195	0.754	0.192	-5.60%	-0.81%	-6.37%
2007	0.191	0.749	0.188	-1.71%	-0.68%	-2.38%
2008	0.186	0.740	0.180	-2.71%	-1.18%	-3.86%
2009	0.186	0.727	0.177	-0.20%	-1.82%	-2.02%
2010	0.202	0.713	0.189	8.87%	-1.87%	6.83%
2011	0.205	0.703	0.188	1.22%	-1.42%	-0.22%
2012	0.214	0.694	0.195	4.71%	-1.20%	3.46%
2013	0.215	0.692	0.195	0.36%	-0.36%	0.00%
2014	0.215	0.693	0.196	0.16%	0.21%	0.37%
2015	0.212	0.689	0.192	-1.38%	-0.59%	-1.97%
2016	0.207	0.684	0.185	-2.64%	-0.74%	-3.37%
2017	0.203	0.679	0.180	-2.10%	-0.71%	-2.80%
2018(c)	0.200	0.676	0.177	-1.25%	-0.43%	-1.67%
2018(d)	0.197	0.676	0.174	---	---	---
2019(e)	0.198	0.676	0.175	0.47%	-0.01%	0.46%
2020	0.176	0.661	0.152	-11.17%	-2.32%	-13.23%
2021	0.179	0.661	0.155	2.06%	0.02%	2.07%
2022	0.182	0.663	0.158	1.52%	0.27%	1.80%
2023	0.182	0.662	0.158	0.26%	-0.16%	0.10%
PY						
2008	0.186	0.734	0.179			
2009	0.193	0.720	0.182	3.94%	-1.84%	1.98%
2010	0.203	0.708	0.189	5.21%	-1.67%	3.49%
2011	0.209	0.699	0.191	2.82%	-1.32%	1.46%
2012	0.215	0.693	0.195	2.67%	-0.82%	1.85%
2013	0.215	0.693	0.195	0.27%	-0.10%	0.17%
2014	0.214	0.692	0.194	-0.54%	-0.16%	-0.70%
2015	0.210	0.687	0.189	-1.96%	-0.66%	-2.60%
2016	0.204	0.681	0.181	-2.95%	-0.92%	-3.84%
2017	0.199	0.676	0.176	-2.54%	-0.62%	-3.15%
2018	0.197	0.676	0.175	-0.66%	0.00%	-0.66%
2019	0.188	0.669	0.164	-4.86%	-1.07%	-5.81%
2020	0.177	0.661	0.153	-5.51%	-1.27%	-6.77%
2021	0.181	0.662	0.156	1.81%	0.13%	1.95%
2022	0.182	0.662	0.158	0.94%	0.08%	1.02%

Notes: (a) All frequencies are per \$M exposure at PY 2019 Level.  
(b) Index is to AY 1961.  
(c) 2018 accidents on 2018 and 2017 policies.  
(d) 2018 accidents on 2017 policies only.  
(e) AY 2019 percent changes are based on a comparison of 2019 accidents on 2018 policies to 2018 accidents on 2017 policies.  
(f) Forecasts below thick solid line.

Source: WCIRB Indemnity Frequency Model

Self-Insured Employers - Claim Frequency

Private Self-Insured Employers										
CY	Number of Cases Reported During Year			Indemnity /Total	Annual Change	Private Employees	Total Frequency	Total Freq. Annual Change	Indemnity Frequency	Ind. Freq Annual Change
	Medical-Only	Indemnity	Total							
2001	73,527	46,596	120,123	0.388	---	2,049,611	0.059	---	0.023	---
2002	72,130	46,218	118,348	0.391	0.7%	1,968,800	0.060	2.6%	0.023	3.3%
2003	69,761	46,477	116,238	0.400	2.4%	2,474,025	0.047	-21.8%	0.019	-20.0%
2004	70,630	42,455	113,085	0.375	-6.1%	2,595,470	0.044	-7.3%	0.016	-12.9%
2005	66,467	40,102	106,569	0.376	0.2%	2,814,083	0.038	-13.1%	0.014	-12.9%
2006	69,395	35,570	104,965	0.339	-9.9%	2,681,843	0.039	3.4%	0.013	-6.9%
2007	61,432	30,247	91,679	0.330	-2.6%	2,295,155	0.040	2.1%	0.013	-0.6%
2008	59,764	32,631	92,395	0.353	7.0%	2,393,095	0.039	-3.3%	0.014	3.5%
2009	51,916	29,557	81,473	0.363	2.7%	2,173,519	0.037	-2.9%	0.014	-0.3%
2010	50,039	29,036	79,075	0.367	1.2%	2,145,570	0.037	-1.7%	0.014	-0.5%
2011	48,360	29,026	77,386	0.375	2.1%	2,111,065	0.037	-0.5%	0.014	1.6%
2012	49,492	28,065	77,557	0.362	-3.5%	2,122,757	0.037	-0.3%	0.013	-3.8%
2013	46,442	29,573	76,015	0.389	7.5%	2,088,402	0.036	-0.4%	0.014	7.1%
2014	45,775	30,652	76,427	0.401	3.1%	2,190,516	0.035	-4.1%	0.014	-1.2%
2015	43,785	31,899	75,684	0.421	5.1%	2,259,451	0.033	-4.0%	0.014	0.9%
2016	46,039	32,365	78,404	0.413	-2.1%	2,374,484	0.033	-1.4%	0.014	-3.5%
2017	48,008	31,647	79,655	0.397	-3.8%	2,255,013	0.035	7.0%	0.014	3.0%
2018	50,082	33,791	83,873	0.403	1.4%	2,260,244	0.037	5.1%	0.015	6.5%
2019	51,545	34,307	85,852	0.400	-0.8%	2,334,022	0.037	-0.9%	0.015	-1.7%

Public Self-Insured Employers										
FY	Number of Cases Reported During Year			Indemnity /Total	Annual Change	Public Employees	Total Frequency	Total Freq. Annual Change	Indemnity Frequency	Ind. Freq Annual Change
	Medical-Only	Indemnity	Total							
2000/2001	65,103	56,168	121,271	0.463	---	1,379,977	0.088	---	0.041	---
2001/2002	65,372	60,688	126,060	0.481	3.9%	1,504,119	0.084	-4.6%	0.040	-0.9%
2002/2003	69,985	65,043	135,028	0.482	0.1%	1,646,055	0.082	-2.1%	0.040	-2.1%
2003/2004	68,563	64,214	132,777	0.484	0.4%	1,804,405	0.074	-10.3%	0.036	-9.9%
2004/2005	69,739	56,265	126,004	0.447	-7.7%	1,764,198	0.071	-2.9%	0.032	-10.4%
2005/2006	66,405	52,524	118,929	0.442	-1.1%	1,670,607	0.071	-0.3%	0.031	-1.4%
2006/2007	65,564	50,664	116,228	0.436	-1.3%	1,842,017	0.063	-11.4%	0.028	-12.5%
2007/2008	70,784	57,618	128,402	0.449	2.9%	1,939,483	0.066	4.9%	0.030	8.0%
2008/2009	68,184	57,595	125,779	0.458	2.0%	2,095,055	0.060	-9.3%	0.027	-7.5%
2009/2010	64,031	57,322	121,353	0.472	3.2%	2,040,413	0.059	-0.9%	0.028	2.2%
2010/2011	61,806	57,201	119,007	0.481	1.8%	1,920,695	0.062	4.2%	0.030	6.0%
2011/2012	61,151	57,461	118,612	0.484	0.8%	1,898,064	0.062	0.9%	0.030	1.7%
2012/2013	60,303	56,398	116,701	0.483	-0.2%	1,891,873	0.062	-1.3%	0.030	-1.5%
2013/2014	58,263	56,858	115,121	0.494	2.2%	2,396,139	0.048	-22.1%	0.024	-20.4%
2014/2015	57,276	57,519	114,795	0.501	1.4%	1,991,021	0.058	20.0%	0.029	21.7%
2015/2016	59,033	56,797	115,830	0.490	-2.1%	2,068,691	0.056	-2.9%	0.027	-5.0%
2016/2017	60,528	55,723	116,251	0.479	-2.2%	2,127,675	0.055	-2.4%	0.026	-4.6%
2017/2018	58,395	57,475	115,870	0.496	3.5%	2,080,967	0.056	1.9%	0.028	5.5%
2018/2019	57,230	58,287	115,517	0.505	1.7%	2,113,128	0.055	-1.8%	0.028	-0.1%
2019/2020	50,250	57,830	108,080	0.535	6.0%	2,091,093	0.052	-5.5%	0.028	0.3%

All Self-Insured Employers										
CY	Number of Cases Reported During Year			Indemnity /Total	Annual Change	All Self-Ins. Employees	Total Frequency	Total Freq. Annual Change	Indemnity Frequency	Ind. Freq Annual Change
	Medical-Only	Indemnity	Total							
2001	138,765	105,024	243,789	0.431	---	3,491,659	0.070	---	0.030	---
2002	139,809	109,084	248,892	0.438	1.7%	3,543,887	0.070	0.6%	0.031	2.3%
2003	139,035	111,106	250,141	0.444	1.3%	4,199,255	0.060	-15.2%	0.026	-14.0%
2004	139,781	102,695	242,476	0.424	-4.6%	4,379,772	0.055	-7.1%	0.023	-11.4%
2005	134,539	94,497	229,036	0.413	-2.6%	4,531,486	0.051	-8.7%	0.021	-11.1%
2006	135,380	87,164	222,544	0.392	-5.1%	4,438,155	0.050	-0.8%	0.020	-5.8%
2007	129,606	84,388	213,994	0.394	0.7%	4,185,905	0.051	2.0%	0.020	2.6%
2008	129,248	90,238	219,486	0.411	4.3%	4,410,364	0.050	-2.7%	0.020	1.5%
2009	118,024	87,016	205,039	0.424	3.2%	4,241,253	0.048	-2.9%	0.021	0.3%
2010	112,958	86,298	199,255	0.433	2.1%	4,126,124	0.048	-0.1%	0.021	1.9%
2011	109,839	86,357	196,196	0.440	1.6%	4,020,445	0.049	1.1%	0.021	2.7%
2012	110,219	84,995	195,214	0.435	-1.1%	4,017,726	0.049	-0.4%	0.021	-1.5%
2013	105,725	86,201	191,926	0.449	3.2%	4,232,408	0.045	-6.7%	0.020	-3.7%
2014	103,545	87,841	191,385	0.459	2.2%	4,384,096	0.044	-3.7%	0.020	-1.6%
2015	101,940	89,057	190,997	0.466	1.6%	4,289,307	0.045	2.0%	0.021	3.6%
2016	105,820	88,625	194,445	0.456	-2.2%	4,472,667	0.043	-2.4%	0.020	-4.6%
2017	107,470	88,246	195,716	0.451	-1.1%	4,359,334	0.045	3.3%	0.020	2.2%
2018	107,895	91,672	199,567	0.459	1.9%	4,357,292	0.046	2.0%	0.021	3.9%
2019	105,285	92,366	197,651	0.467	1.7%	4,436,133	0.045	-2.7%	0.021	-1.0%

Notes: Fiscal Year Public data prorated to CYs 50%/50%.  
Insured System AY 2019 change is based on a comparison of 2019 accidents on 2018 policies to 2018 accidents on 2017 policies.

Sources: California Department of Industrial Relations  
WCIRB Indemnity Claim Frequency Model for insured system

Annual Changes in Indemnity Frequency Attributable to Changes in Hazardousness

Policy Year	Report Level	Change in Frequency Hazardousness	Indemnity Frequency Hazardousness Index	Annual % Change in Ind Frequency Attributable to Change in Mix of Exposures
1961	3	1.000000	1.000000	-----
1962	3	0.990262	0.990262	-0.9738
1963	3	0.998718	0.988992	-0.1282
1964	3	0.994304	0.983359	-0.5696
1965	3	0.993875	0.977336	-0.6125
1966	3	0.983584	0.961292	-1.6416
1967	3	0.987626	0.949397	-1.2374
1968	3	0.997512	0.947035	-0.2488
1969	3	0.986390	0.934146	-1.3610
1970	3	0.989966	0.924773	-1.0034
1971	3	1.000824	0.925535	0.0824
1972	3	1.000505	0.926002	0.0505
1973	3	0.998631	0.924734	-0.1369
1974	3	0.986017	0.911804	-1.3983
1975	3	0.984110	0.897315	-1.5890
1976	3	1.004996	0.901798	0.4996
1977	3	1.009490	0.910356	0.9490
1978	3	1.012494	0.921730	1.2494
1979	3	0.997841	0.919740	-0.2159
1980	3	0.988843	0.909479	-1.1157
1981	3	0.981336	0.892504	-1.8664
1982	3	0.979033	0.873791	-2.0967
1983	3	0.997989	0.872034	-0.2011
1984	3	0.998272	0.870527	-0.1728
1985	3	0.992516	0.864012	-0.7484
1986	3	0.989667	0.855084	-1.0333
1987	3	0.997751	0.853161	-0.2249
1988	3	1.000574	0.853651	0.0574
1989	5	0.998212	0.852124	-0.1788
1990	5	0.986184	0.840352	-1.3816
1991	5	0.982822	0.825916	-1.7178
1992	5	0.987393	0.815504	-1.2607
1993	5	0.987562	0.805360	-1.2438
1994	5	1.007382	0.811306	0.7382
1995	5	0.997625	0.809379	-0.2375
1996	5	0.980288	0.793424	-1.9712
1997	5	0.993034	0.787897	-0.6966
1998	5	0.994743	0.783755	-0.5257
1999	5	0.978134	0.766618	-2.1866
2000	5	0.965472	0.740148	-3.4528
2001	5	1.027926	0.760817	2.7926
2002	5	1.002823	0.762965	0.2823
2003	5	1.001398	0.764032	0.1398
2004	5	0.995209	0.760371	-0.4791
2005	5	0.998285	0.759067	-0.1715
2006	5	0.986896	0.749120	-1.3104
2007	5	0.998047	0.747657	-0.1953
2008	5	0.980684	0.733216	-1.9316
2009	5	0.982600	0.720458	-1.7400
2010	5	0.980260	0.706236	-1.9740
2011	5	0.990176	0.699298	-0.9824
2012	5	0.986305	0.689721	-1.3695
2013	5	1.004725	0.692980	0.4725
2014	5	0.999869	0.692889	-0.0131
2015	Proj to 5th	0.989229	0.685426	-1.0771
2016	Proj to 5th	0.995378	0.682258	-0.4622
2017	Proj to 5th	0.990839	0.676008	-0.9161
2018	Proj to 5th	0.999873	0.675922	-0.0127

Source: WCIRB unit statistical data

**Changes in Incremental Indemnity Claim Counts and Medical-Only Claim Counts**

Calendar Quarter Evaluation	Change in Statewide Incremental Number of Indemnity Claims		Change in Statewide Incremental Number of Medical-Only Claims	
	Change in	Change in	Change in	Change in
	Quarterly Increment	4-Quarter Increment	Quarterly Increment	4-Quarter Increment
	from Same Quarter at Prior	from Same Quarter at Prior	from Same Quarter at Prior	from Same Quarter at Prior
	<u>Calendar Year</u>	<u>Calendar Year</u>	<u>Calendar Year</u>	<u>Calendar Year</u>
3/31/2015	-2.3%	-0.4%	4.2%	0.2%
6/30/2015	2.4%	0.2%	2.7%	2.4%
9/30/2015	18.4%	4.8%	8.2%	4.3%
12/31/2015	2.7%	5.5%	0.7%	4.0%
3/31/2016	5.0%	7.3%	6.3%	4.5%
6/30/2016	2.7%	7.3%	4.6%	5.0%
9/30/2016	-13.7%	-1.6%	-3.6%	1.7%
12/31/2016	0.3%	-2.2%	-1.3%	1.2%
3/31/2017	3.8%	-2.4%	1.3%	0.1%
6/30/2017	3.8%	-2.1%	6.3%	0.6%
9/30/2017	0.9%	2.2%	5.2%	3.0%
12/31/2017	2.1%	2.6%	13.2%	6.5%
3/31/2018	-3.1%	0.9%	3.2%	7.0%
6/30/2018	-1.9%	-0.5%	-1.4%	5.0%
9/30/2018	7.4%	1.1%	10.1%	6.3%
12/31/2018	3.6%	1.5%	5.0%	4.3%
3/31/2019	4.4%	3.3%	3.6%	4.4%
6/30/2019	2.7%	4.6%	7.3%	6.6%
9/30/2019	2.1%	3.1%	-3.1%	3.0%
12/31/2019	5.8%	3.7%	2.5%	2.3%
3/31/2020	2.9%	3.3%	-5.6%	0.2%
6/30/2020	-13.2%	-0.7%	-31.0%	-9.1%
9/30/2020	5.6%	0.2%	-29.0%	-16.0%
12/31/2020	11.6%	1.8%	-17.0%	-21.0%
3/31/2021	7.9%	3.0%	-15.1%	-23.3%

Source: WCIRB quarterly calls for experience

Economic Variables					
CY	Aggregate Employment	Unemployment Rate	Annual Log Differences		Economic Variables 1st Prin. Comp.
			Aggregate Employment	Unemployment Rate	
1961	3,961,339	6.90			
1962	4,144,758	5.80	0.045	-0.174	
1963	4,291,905	6.00	0.035	0.034	-0.029
1964	4,424,244	6.00	0.030	0.000	0.004
1965	4,544,536	5.90	0.027	-0.017	0.020
1966	4,791,662	4.90	0.053	-0.186	0.191
1967	4,926,791	5.70	0.028	0.151	-0.146
1968	5,132,137	5.40	0.041	-0.054	0.059
1969	5,366,693	5.20	0.045	-0.038	0.043
1970	5,333,983	7.30	-0.006	0.339	-0.337
1971	5,282,525	9.04	-0.010	0.213	-0.213
1972	6,019,743	7.85	0.131	-0.140	0.156
1973	6,497,584	7.27	0.076	-0.078	0.087
1974	6,706,279	7.55	0.032	0.038	-0.034
1975	6,682,021	10.12	-0.004	0.293	-0.291
1976	7,257,723	9.41	0.083	-0.072	0.083
1977	7,678,283	8.50	0.056	-0.102	0.109
1978	9,198,680	7.36	0.181	-0.144	0.166
1979	9,617,196	6.50	0.044	-0.125	0.129
1980	10,264,400	7.08	0.065	0.087	-0.078
1981	10,403,240	7.66	0.013	0.079	-0.076
1982	10,230,150	10.19	-0.017	0.285	-0.285
1983	10,329,820	9.92	0.010	-0.027	0.028
1984	10,820,800	8.03	0.046	-0.211	0.215
1985	11,172,960	7.46	0.032	-0.074	0.078
1986	11,483,750	6.94	0.027	-0.072	0.075
1987	11,887,990	6.02	0.035	-0.141	0.145
1988	12,355,130	5.56	0.039	-0.080	0.084
1989	12,686,700	5.35	0.026	-0.040	0.043
1990	12,940,660	6.02	0.020	0.119	-0.115
1991	12,776,180	7.99	-0.013	0.283	-0.282
1992	12,576,210	9.56	-0.016	0.180	-0.181
1993	12,477,220	9.76	-0.008	0.020	-0.021
1994	12,609,760	8.81	0.011	-0.103	0.103
1995	12,867,220	8.07	0.020	-0.087	0.089
1996	13,225,260	7.53	0.027	-0.069	0.072
1997	13,619,490	6.62	0.029	-0.130	0.132
1998	14,082,800	6.16	0.033	-0.072	0.075
1999	14,479,600	5.47	0.028	-0.119	0.122
2000	14,992,090	5.15	0.035	-0.059	0.063
2001	15,097,860	5.68	0.007	0.097	-0.096
2002	14,972,360	6.90	-0.008	0.194	-0.194
2003	14,950,530	7.06	-0.001	0.022	-0.022
2004	15,130,290	6.46	0.012	-0.089	0.090
2005	15,422,030	5.65	0.019	-0.133	0.135
2006	15,697,770	5.17	0.018	-0.089	0.090
2007	15,843,840	5.61	0.009	0.082	-0.080
2008	15,689,230	7.55	-0.010	0.297	-0.296
2009	14,807,770	11.39	-0.058	0.410	-0.414
2010	14,664,350	12.45	-0.010	0.089	-0.090
2011	14,825,710	11.88	0.011	-0.047	0.048
2012	15,161,040	10.52	0.022	-0.122	0.123
2013	15,563,780	9.03	0.026	-0.153	0.155
2014	15,991,890	7.56	0.027	-0.177	0.179
2015	16,471,260	6.24	0.030	-0.192	0.194
2016	16,904,310	5.52	0.026	-0.124	0.126
2017	17,249,630	4.84	0.020	-0.131	0.133
2018	17,596,090	4.27	0.020	-0.124	0.126
2019	17,854,830	4.14	0.015	-0.031	0.032
2020	16,546,220	10.16	-0.076	0.897	-0.900
2021	16,977,240	7.13	0.026	-0.355	0.355
2022	17,873,730	5.20	0.051	-0.315	0.319
2023	18,259,030	4.24	0.021	-0.204	0.205

Notes: The first principal component is of the annual log difference data from 1962-2020.  
The first principal component of the annual log difference of the economic variables is:  
1st PC of Econ Variables = 0.129 x Aggregate Employment + -0.99164 x Unemployment Rate

Sources: Government historical labor statistics through 2020  
UCLA Anderson forecasts through 2023 are as of June 2021

**Accident Year Cumulative Injury Indemnity Claim Counts by Accident Year and Report Level**

Cumulative Injury Indemnity Claim Counts by Accident Year and Report Level

AY/RL	1	2	3	4	5	6	7	8	9	10
2005	7,365	8,179	8,736	9,216	9,742	9,995	10,097	10,156	10,155	10,148
2006	6,766	7,821	8,411	8,883	9,159	9,240	9,298	9,331	9,376	9,412
2007	6,991	8,143	8,838	9,251	9,427	9,534	9,551	9,532	9,595	9,646
2008	6,938	8,200	9,023	9,396	9,596	9,638	9,712	9,787	9,819	9,816
2009	7,362	8,877	9,672	9,999	10,151	10,219	10,324	10,382	10,402	10,424
2010	8,166	9,459	9,988	10,260	10,360	10,532	10,666	10,661	10,660	10,697
2011	8,057	9,720	10,279	10,510	10,756	10,907	10,964	10,959	11,021	
2012	8,931	10,733	11,332	11,791	12,111	12,265	12,286	12,265		
2013	10,875	12,760	13,674	14,169	14,385	14,364	14,403			
2014	11,555	13,788	14,569	14,970	15,062	15,072				
2015	11,891	14,208	14,805	15,007	15,102					
2016	12,132	15,425	16,044	16,420						
2017	11,670	13,951	14,791							
2018	11,512	14,471								
2019	12,481									

Cumulative Injury Share of Total Indemnity Count

AY/RL	1	2	3	4	5	6	7	8	9	10
2005	6.8%	7.4%	7.8%	8.2%	8.7%	8.9%	9.0%	9.1%	9.0%	9.0%
2006	6.7%	7.5%	8.1%	8.5%	8.8%	8.8%	8.9%	8.9%	8.9%	9.0%
2007	7.2%	8.2%	8.8%	9.2%	9.4%	9.5%	9.5%	9.5%	9.5%	9.6%
2008	7.8%	8.9%	9.6%	10.0%	10.1%	10.1%	10.2%	10.3%	10.3%	10.3%
2009	9.1%	10.5%	11.3%	11.6%	11.7%	11.8%	11.9%	11.9%	11.9%	12.0%
2010	10.1%	11.2%	11.6%	11.8%	11.9%	12.1%	12.2%	12.2%	12.2%	12.2%
2011	9.7%	11.1%	11.6%	11.7%	11.9%	12.1%	12.1%	12.1%	12.2%	
2012	10.2%	11.6%	12.0%	12.4%	12.7%	12.9%	12.9%	12.8%		
2013	11.6%	12.9%	13.6%	14.0%	14.2%	14.2%	14.2%			
2014	12.0%	13.6%	14.2%	14.5%	14.5%	14.5%				
2015	12.3%	14.0%	14.4%	14.5%	14.6%					
2016	12.6%	15.1%	15.5%	15.8%						
2017	12.1%	13.8%	14.3%							
2018	11.8%	13.8%								
2019	12.8%									

Source: WCIRB unit statistical data

**Claim Count Ratios by Region Based on Unit Statistical Data at 1st Report Level**

Region	Ratio of Permanent Disability Claims to Indemnity Claims for Accident Year														
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bay Area	0.309	0.303	0.283	0.296	0.305	0.313	0.323	0.309	0.293	0.302	0.310	0.299	0.284	0.278	<i>0.284</i>
Los Angeles/LA Basin	0.398	0.382	0.388	0.405	0.405	0.397	0.403	0.398	0.369	0.374	0.392	0.381	0.375	0.350	<i>0.315</i>
San Diego	0.341	0.330	0.329	0.336	0.362	0.356	0.357	0.361	0.327	0.348	0.360	0.345	0.353	0.333	<i>0.313</i>
All Other	0.324	0.315	0.299	0.320	0.315	0.325	0.320	0.314	0.290	0.302	0.315	0.301	0.293	0.296	<i>0.328</i>
All Regions	0.356	0.344	0.339	0.357	0.360	0.360	0.363	0.358	0.332	0.341	0.355	0.343	0.334	0.323	<i>0.317</i>

Region	Annual Change														
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bay Area	---	-1.8%	-6.6%	4.4%	3.1%	2.5%	3.3%	-4.4%	-5.2%	3.0%	2.7%	-3.5%	-4.9%	-2.2%	<i>1.9%</i>
Los Angeles/LA Basin	---	-4.0%	1.7%	4.3%	-0.1%	-2.1%	1.6%	-1.3%	-7.2%	1.4%	4.8%	-2.8%	-1.5%	-6.6%	<i>-9.9%</i>
San Diego	---	-3.4%	-0.1%	2.2%	7.6%	-1.5%	0.2%	1.1%	-9.3%	6.2%	3.4%	-4.1%	2.3%	-5.7%	<i>-6.0%</i>
All Other	---	-2.7%	-5.2%	7.1%	-1.6%	3.3%	-1.7%	-1.8%	-7.8%	4.2%	4.4%	-4.4%	-2.9%	1.1%	<i>10.9%</i>
All Regions	---	-3.2%	-1.5%	5.3%	0.9%	0.0%	0.8%	-1.5%	-7.3%	2.7%	4.2%	-3.5%	-2.5%	-3.3%	<i>-1.9%</i>

Region	Ratio of Indemnity Claims to Total Claims for Accident Year														
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bay Area	0.284	0.285	0.289	0.295	0.307	0.315	0.323	0.322	0.331	0.328	0.333	0.334	0.333	0.341	<i>0.349</i>
Los Angeles/LA Basin	0.304	0.297	0.305	0.316	0.341	0.352	0.359	0.372	0.389	0.393	0.391	0.391	0.371	0.369	<i>0.361</i>
San Diego	0.263	0.259	0.260	0.272	0.285	0.303	0.313	0.327	0.329	0.329	0.327	0.327	0.315	0.318	<i>0.309</i>
All Other	0.299	0.289	0.294	0.300	0.313	0.321	0.329	0.330	0.343	0.339	0.331	0.332	0.319	0.313	<i>0.329</i>
All Regions	0.295	0.290	0.295	0.304	0.323	0.333	0.340	0.348	0.361	0.361	0.358	0.358	0.344	0.345	<i>0.350</i>

Region	Annual Change														
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bay Area	---	0.6%	1.1%	2.3%	3.9%	2.7%	2.4%	-0.2%	2.8%	-0.8%	1.4%	0.3%	-0.4%	2.4%	<i>2.5%</i>
Los Angeles/LA Basin	---	-2.4%	2.5%	3.8%	7.9%	3.3%	1.7%	3.7%	4.7%	0.9%	-0.4%	-0.2%	-5.1%	-0.5%	<i>-2.1%</i>
San Diego	---	-1.4%	0.2%	4.7%	4.6%	6.4%	3.5%	4.3%	0.5%	0.0%	-0.6%	0.1%	-3.5%	0.8%	<i>-2.8%</i>
All Other	---	-3.2%	1.6%	2.2%	4.2%	2.7%	2.3%	0.4%	3.9%	-1.3%	-2.3%	0.3%	-3.9%	-1.8%	<i>4.9%</i>
All Regions	---	-2.0%	1.8%	3.2%	6.0%	3.3%	2.1%	2.2%	3.8%	0.0%	-0.8%	0.0%	-4.0%	0.3%	<i>1.7%</i>

Region	Cumulative Injury Claims per 100 Indemnity Claims for Accident Year														
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bay Area	7.39	6.51	7.51	7.55	8.20	8.18	8.21	7.73	9.12	8.74	8.04	8.05	8.11	7.34	<i>7.44</i>
Los Angeles/LA Basin	7.98	7.86	8.50	8.90	10.60	11.63	11.26	12.52	14.89	15.62	16.18	16.58	16.62	15.13	<i>15.05</i>
San Diego	6.58	6.00	6.43	6.96	7.30	9.20	8.51	8.77	11.76	12.44	12.22	12.17	12.08	11.79	<i>12.21</i>
All Other	4.47	4.92	4.86	4.86	5.77	6.30	5.94	6.15	7.02	7.12	6.79	6.66	6.43	7.15	<i>6.50</i>
All Regions	6.71	6.60	7.09	7.37	8.61	9.39	9.04	9.69	11.51	11.90	11.89	12.02	11.77	11.46	<i>12.25</i>

Region	Annual Change														
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Bay Area	---	-11.9%	15.4%	0.5%	8.7%	-0.3%	0.4%	-5.8%	18.0%	-4.1%	-8.0%	0.1%	0.7%	-9.4%	<i>1.3%</i>
Los Angeles/LA Basin	---	-1.5%	8.1%	4.8%	19.1%	9.6%	-3.1%	11.2%	18.9%	4.9%	3.6%	2.5%	0.2%	-9.0%	<i>-0.5%</i>
San Diego	---	-8.8%	7.1%	8.4%	4.8%	26.1%	-7.6%	3.0%	34.2%	5.8%	-1.8%	-0.4%	-0.8%	-2.4%	<i>3.5%</i>
All Other	---	10.2%	-1.2%	-0.1%	18.8%	9.2%	-5.8%	3.6%	14.1%	1.5%	-4.7%	-1.9%	-3.4%	11.1%	<i>-9.0%</i>
All Regions	---	-1.6%	7.4%	4.0%	16.9%	9.1%	-3.8%	7.2%	18.8%	3.3%	0.0%	1.0%	-2.1%	-2.6%	<i>6.9%</i>

Figures in italics are based on preliminary partial data. Cumulative injury claims include occupational disease.

**Distribution of Cumulative Injury Claims by Injury Type**

**Permanent Indemnity\***

Percentage of All Cumulative Injury Claims						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2000	31.6%	34.0%	34.7%	35.4%	34.5%	2000	---	---	---	---	---
2001	30.8%	34.5%	37.0%	38.0%	38.4%	2001	-2.5%	1.5%	6.7%	7.1%	11.2%
2002	34.1%	38.9%	40.8%	41.2%	40.9%	2002	10.9%	12.8%	10.3%	8.6%	6.8%
2003	35.5%	39.6%	41.0%	41.1%	41.4%	2003	4.1%	1.8%	0.5%	-0.3%	1.1%
2004	30.0%	33.1%	34.2%	35.0%	36.0%	2004	-15.5%	-16.5%	-16.5%	-14.9%	-13.0%
2005	24.0%	27.4%	29.8%	31.8%	33.1%	2005	-20.2%	-17.1%	-13.0%	-9.1%	-8.2%
2006	21.9%	27.0%	30.2%	31.7%	32.6%	2006	-8.8%	-1.6%	1.6%	-0.2%	-1.4%
2007	22.1%	28.1%	30.8%	31.3%	32.6%	2007	1.0%	4.1%	1.8%	-1.3%	-0.2%
2008	22.5%	28.8%	32.2%	32.2%	34.1%	2008	1.9%	2.7%	4.5%	2.7%	4.7%
2009	25.7%	32.5%	36.0%	37.8%	38.2%	2009	14.2%	12.8%	12.0%	17.5%	11.9%
2010	26.5%	34.4%	37.3%	38.8%	39.3%	2010	3.0%	5.8%	3.5%	2.7%	2.9%
2011	28.7%	35.4%	38.9%	40.4%	41.4%	2011	8.6%	2.9%	4.4%	4.1%	5.3%
2012	30.9%	37.6%	40.9%	42.6%	43.3%	2012	7.7%	6.2%	5.2%	5.6%	4.6%
2013	34.2%	40.6%	43.5%	44.8%	45.0%	2013	10.7%	8.0%	6.3%	5.2%	3.9%
2014	36.2%	43.1%	45.0%	45.6%	45.9%	2014	5.9%	6.1%	3.4%	1.7%	2.0%
2015	37.2%	42.6%	44.2%	44.6%	48.1%	2015	2.8%	-1.0%	-1.9%	-2.2%	4.8%
2016	35.2%	44.5%	46.0%	45.9%		2016	-5.5%	4.2%	4.1%	2.9%	
2017	32.8%	39.6%	46.2%			2017	-6.9%	-10.9%	0.5%		
2018	31.4%	38.1%				2018	-4.1%	-3.8%			
2019	32.4%					2019	3.0%				

**Temporary Indemnity**

Percentage of All Cumulative Injury Claims						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2000	19.1%	16.2%	15.8%	15.3%	14.8%	2000	---	---	---	---	---
2001	19.7%	17.9%	17.0%	15.9%	15.3%	2001	3.3%	10.7%	7.5%	3.8%	3.5%
2002	19.5%	17.8%	15.9%	15.0%	15.0%	2002	-1.2%	-0.2%	-6.4%	-5.6%	-2.4%
2003	20.7%	17.2%	15.7%	15.3%	15.0%	2003	6.0%	-3.7%	-1.5%	2.0%	0.0%
2004	21.4%	18.6%	17.4%	16.5%	15.8%	2004	3.6%	8.5%	11.2%	7.9%	5.4%
2005	21.2%	18.9%	17.3%	16.1%	15.4%	2005	-0.9%	1.4%	-0.6%	-2.1%	-2.6%
2006	21.3%	18.5%	16.2%	15.3%	14.6%	2006	0.5%	-2.3%	-6.8%	-5.3%	-4.8%
2007	22.2%	18.7%	17.3%	16.2%	15.8%	2007	4.3%	1.2%	7.2%	5.9%	8.1%
2008	23.0%	19.4%	17.5%	16.3%	16.3%	2008	3.5%	3.9%	1.1%	0.4%	3.0%
2009	25.4%	21.7%	19.2%	17.8%	17.2%	2009	10.5%	11.7%	9.6%	9.6%	5.6%
2010	26.7%	21.9%	19.2%	17.6%	17.0%	2010	5.2%	0.7%	-0.2%	-1.0%	-1.1%
2011	26.5%	23.1%	20.0%	18.6%	17.6%	2011	-0.9%	5.5%	4.3%	5.5%	3.6%
2012	27.2%	23.5%	20.7%	19.2%	18.5%	2012	2.7%	1.8%	3.5%	3.3%	5.1%
2013	28.3%	23.7%	21.1%	19.7%	19.4%	2013	4.1%	1.0%	2.1%	2.8%	4.4%
2014	27.7%	22.5%	20.4%	19.6%	19.1%	2014	-2.2%	-5.1%	-3.6%	-0.5%	-1.2%
2015	25.5%	21.6%	19.8%	18.9%	18.2%	2015	-7.8%	-4.2%	-2.7%	-3.5%	-4.8%
2016	26.3%	21.5%	19.7%	19.6%		2016	2.9%	-0.2%	-0.4%	3.5%	
2017	26.3%	22.3%	18.8%			2017	0.1%	3.9%	-4.6%		
2018	26.6%	22.7%				2018	1.1%	1.6%			
2019	26.9%					2019	1.1%				

**Medical-Only**

Percentage of All Cumulative Injury Claims						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2000	49.3%	49.9%	49.5%	49.3%	50.7%	2000	---	---	---	---	---
2001	49.5%	47.6%	46.0%	46.2%	46.3%	2001	0.3%	-4.5%	-7.1%	-6.3%	-8.6%
2002	46.4%	43.2%	43.3%	43.8%	44.1%	2002	-6.3%	-9.2%	-5.9%	-5.2%	-4.8%
2003	43.8%	43.2%	43.4%	43.6%	43.6%	2003	-5.5%	-0.1%	0.1%	-0.4%	-1.0%
2004	48.6%	48.3%	48.3%	48.5%	48.2%	2004	10.9%	11.8%	11.5%	11.3%	10.4%
2005	54.8%	53.7%	52.9%	52.1%	51.6%	2005	12.9%	11.1%	9.4%	7.3%	7.0%
2006	56.8%	54.5%	53.6%	53.0%	52.7%	2006	3.7%	1.6%	1.4%	1.7%	2.3%
2007	55.7%	53.2%	51.9%	52.5%	51.6%	2007	-2.0%	-2.4%	-3.2%	-0.9%	-2.2%
2008	54.5%	51.7%	50.3%	51.6%	49.6%	2008	-2.1%	-2.8%	-3.0%	-1.7%	-3.9%
2009	48.9%	45.7%	44.8%	44.4%	44.6%	2009	-10.3%	-11.5%	-11.0%	-13.9%	-10.1%
2010	46.8%	43.7%	43.5%	43.6%	43.7%	2010	-4.3%	-4.5%	-2.8%	-1.9%	-2.1%
2011	44.8%	41.5%	41.1%	41.0%	41.0%	2011	-4.3%	-5.0%	-5.6%	-5.9%	-6.2%
2012	41.9%	38.9%	38.4%	38.2%	38.2%	2012	-6.5%	-6.3%	-6.6%	-7.0%	-6.8%
2013	37.5%	35.7%	35.4%	35.4%	35.7%	2013	-10.6%	-8.3%	-7.8%	-7.2%	-6.5%
2014	36.1%	34.4%	34.6%	34.7%	35.0%	2014	-3.7%	-3.6%	-2.1%	-1.9%	-1.9%
2015	37.2%	35.8%	36.0%	36.5%	33.7%	2015	3.2%	4.1%	4.0%	4.9%	-3.6%
2016	38.5%	34.0%	34.3%	34.5%		2016	3.5%	-4.9%	-4.8%	-5.4%	
2017	40.9%	38.0%	35.0%			2017	6.2%	11.8%	2.0%		
2018	42.0%	39.2%				2018	2.6%	3.1%			
2019	40.8%					2019	-2.9%				

\* Includes Permanent Partial, Permanent Total, and Death  
Note: Cumulative injury claims include occupational disease.  
Source: WCIRB unit statistical data



**Claim Frequency Analysis 2021**

Indemnity Claim Frequency Relativities by NAIC

**Indemnity Claim Frequency Relativities by NAICS Sector**

NAICS Sector	NAICS Name	Indemnity Claim Frequency Relativity for Accident Year at 1st Report																
		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
11&21	Agriculture & Mining	2.744	2.878	2.828	2.888	2.811	2.897	2.957	3.050	3.195	3.299	3.310	3.425	3.609	3.581	3.529	3.522	3.457
23	Construction	2.273	2.325	2.409	2.392	2.298	2.255	2.204	2.214	2.219	2.193	2.176	2.166	2.132	2.044	1.996	1.997	1.947
31	Manufacturing	1.803	1.758	1.734	1.751	1.710	1.687	1.667	1.663	1.711	1.795	1.842	1.930	1.995	2.058	2.058	2.000	1.920
42	Wholesale	2.814	2.877	2.873	2.947	3.011	3.002	2.998	3.147	3.310	3.436	3.482	3.554	3.556	3.641	3.981	4.217	4.275
44	Retail	1.645	1.680	1.753	1.822	1.874	2.003	2.069	2.049	2.000	2.028	1.985	1.962	2.051	2.053	2.071	2.157	2.204
22&48	Utilities & Transportation	3.177	3.367	3.629	3.830	3.905	3.851	3.668	3.587	3.504	3.471	3.485	3.513	3.542	3.546	3.682	3.809	3.804
51	Information	0.815	0.787	0.787	0.795	0.845	0.934	0.897	0.842	0.835	0.872	0.851	0.893	0.934	0.969	1.036	1.083	1.097
52	Finance	0.332	0.355	0.334	0.322	0.353	0.393	0.408	0.402	0.371	0.339	0.293	0.263	0.240	0.230	0.234	0.237	0.237
53	Real Estate	0.757	0.737	0.735	0.853	1.041	1.114	1.126	1.136	1.114	1.061	0.977	0.960	0.971	0.926	0.900	0.964	1.061
54	Prof. Services	0.194	0.191	0.184	0.178	0.166	0.171	0.164	0.147	0.132	0.116	0.105	0.098	0.090	0.087	0.086	0.081	0.074
56	Administrative	3.047	3.110	3.090	3.220	3.343	3.495	3.683	3.741	3.751	3.868	3.901	4.061	4.111	4.041	3.980	3.881	3.702
61	Education	0.803	0.691	0.717	0.708	0.721	0.768	0.754	0.739	0.727	0.733	0.689	0.667	0.665	0.685	0.743	0.794	0.841
62	Health	1.244	1.176	1.128	1.142	1.184	1.220	1.252	1.294	1.270	1.259	1.233	1.184	1.167	1.163	1.151	1.157	1.158
71	Hospitality	1.838	1.851	1.924	2.024	2.099	2.172	2.169	2.210	2.261	2.304	2.242	2.138	2.084	2.049	1.982	1.937	1.909
72	Entertainment	2.199	2.113	2.124	2.203	2.214	2.305	2.501	2.710	2.844	3.055	3.190	3.230	3.214	3.136	3.108	3.137	3.125
81	Other Services	1.415	1.427	1.428	1.422	1.422	1.477	1.503	1.561	1.629	1.703	1.692	1.741	1.792	1.774	1.714	1.764	1.927
8742	Outside Sales	0.261	0.243	0.218	0.212	0.210	0.208	0.211	0.203	0.190	0.185	0.178	0.176	0.172	0.169	0.174	0.183	0.191
92&8810	Clerical & Public Admin.	0.254	0.235	0.210	0.192	0.182	0.190	0.195	0.186	0.174	0.174	0.166	0.156	0.150	0.141	0.138	0.144	0.149
<b>Accident Year Total Frequency</b>		<b>0.278</b>	<b>0.247</b>	<b>0.214</b>	<b>0.196</b>	<b>0.188</b>	<b>0.177</b>	<b>0.174</b>	<b>0.180</b>	<b>0.183</b>	<b>0.185</b>	<b>0.187</b>	<b>0.189</b>	<b>0.187</b>	<b>0.181</b>	<b>0.178</b>	<b>0.174</b>	<b>0.169</b>

NAICS Sector	NAICS Name	2003	2004	2005	2006	2007	2008	2009	Annual Change										2014-2019
									2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
11&21	Agriculture & Mining	---	4.9%	-1.7%	2.1%	-2.7%	3.0%	2.1%	3.2%	4.8%	3.3%	0.3%	3.5%	5.4%	-0.8%	-1.5%	-0.2%	-1.8%	0.9%
23	Construction	---	2.3%	3.6%	-0.7%	-3.9%	-1.9%	-2.2%	0.4%	0.2%	-1.2%	-0.8%	-0.5%	-1.6%	-4.1%	-2.3%	0.0%	-2.5%	-10.1%
31	Manufacturing	---	-2.5%	-1.3%	1.0%	-2.3%	-1.4%	-1.2%	-0.2%	2.9%	4.9%	2.6%	4.8%	3.3%	3.2%	0.0%	-2.8%	-4.0%	-0.5%
42	Wholesale	---	2.2%	-0.1%	2.6%	2.2%	-0.3%	-0.1%	5.0%	5.2%	3.8%	1.3%	2.1%	0.0%	2.4%	9.3%	5.9%	1.4%	20.3%
44	Retail	---	2.1%	4.3%	4.0%	2.9%	6.9%	3.3%	-1.0%	-2.4%	1.4%	-2.1%	-1.2%	4.6%	0.1%	0.9%	4.2%	2.2%	12.4%
22&48	Utilities & Transportation	---	6.0%	7.8%	5.5%	2.0%	-1.4%	-4.8%	-2.2%	-2.3%	-1.0%	0.4%	0.8%	0.8%	0.1%	3.8%	3.5%	-0.1%	8.3%
51	Information	---	-3.5%	0.0%	1.0%	6.3%	10.6%	-3.9%	-6.2%	-0.8%	4.4%	-2.3%	4.8%	4.6%	3.8%	6.9%	4.5%	1.3%	22.9%
52	Finance	---	6.9%	-5.8%	-3.7%	9.7%	11.6%	3.7%	-1.6%	-7.7%	-8.5%	-13.6%	-10.4%	-8.7%	-3.9%	1.6%	1.3%	0.0%	-9.7%
53	Real Estate	---	-2.7%	-0.3%	16.1%	21.9%	7.0%	1.1%	0.9%	-2.0%	-4.7%	-7.9%	-1.7%	1.2%	-4.7%	-2.7%	7.0%	10.1%	10.5%
54	Prof. Services	---	-1.6%	-4.0%	-3.3%	-6.4%	2.7%	-4.0%	-10.5%	-10.0%	-12.0%	-9.9%	-6.7%	-7.7%	-3.1%	-2.0%	-5.0%	-8.9%	-24.1%
56	Administrative	---	2.1%	-0.6%	4.2%	3.8%	4.6%	5.4%	1.6%	0.3%	3.1%	0.9%	4.1%	1.2%	-1.7%	-1.5%	-2.5%	-4.6%	-8.8%
61	Education	---	-13.9%	3.8%	-1.3%	1.9%	6.4%	-1.8%	-2.0%	-1.6%	0.8%	-6.0%	-3.3%	-0.2%	2.9%	8.5%	6.8%	6.0%	26.2%
62	Health	---	-5.4%	-4.1%	1.3%	3.6%	3.1%	2.6%	3.3%	-1.8%	-0.9%	-2.0%	-4.0%	-1.4%	-0.3%	-1.1%	0.6%	0.0%	-2.2%
71	Hospitality	---	0.7%	3.9%	5.2%	3.7%	3.5%	-0.1%	1.9%	2.3%	1.9%	-2.7%	-4.6%	-2.5%	-1.7%	-3.3%	-2.3%	-1.4%	-10.7%
72	Entertainment	---	-3.9%	0.5%	3.7%	0.5%	4.1%	8.5%	8.4%	4.9%	7.4%	4.4%	1.2%	-0.5%	-2.4%	-0.9%	0.9%	-0.4%	-3.2%
81	Other Services	---	0.9%	0.1%	-0.4%	0.0%	3.9%	1.8%	3.8%	4.4%	4.5%	-0.7%	2.9%	2.9%	-1.0%	-3.4%	2.9%	9.2%	10.7%
8742	Outside Sales	---	-7.1%	-10.1%	-2.8%	-1.2%	-0.6%	1.2%	-4.0%	-6.3%	-2.5%	-4.1%	-1.1%	-2.2%	-1.5%	2.9%	5.1%	4.4%	8.7%
92&8810	Clerical & Public Admin.	---	-7.5%	-10.9%	-8.6%	-5.0%	4.0%	3.1%	-4.9%	-6.2%	-0.2%	-4.8%	-6.0%	-3.6%	-5.9%	-2.2%	4.0%	3.6%	-4.3%
<b>Accident Year Total Frequency</b>		---	<b>-11.5%</b>	<b>-13.2%</b>	<b>-8.2%</b>	<b>-4.1%</b>	<b>-6.2%</b>	<b>-1.7%</b>	<b>3.4%</b>	<b>1.9%</b>	<b>1.3%</b>	<b>1.1%</b>	<b>0.8%</b>	<b>-1.3%</b>	<b>-3.0%</b>	<b>-1.5%</b>	<b>-2.5%</b>	<b>-2.4%</b>	<b>-10.3%</b>

Figures in italics are based on partial data.

**Indemnity Claim Frequency by Geographic Region**

**Bay Area**

Indemnity Claim Frequency per \$100M of Exposure at AY 2019 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2002	21.45	21.81	22.02	22.01	22.04	2002	---	---	---	---	---
2003	20.00	20.34	20.47	20.56	20.84	2003	-6.8%	-6.7%	-7.1%	-6.6%	-5.5%
2004	17.56	17.78	17.85	18.08	18.13	2004	-12.2%	-12.6%	-12.8%	-12.1%	-13.0%
2005	15.49	15.53	15.78	15.85	15.82	2005	-11.8%	-12.6%	-11.6%	-12.4%	-12.8%
2006	14.16	14.44	14.57	14.59	14.58	2006	-8.6%	-7.0%	-7.7%	-8.0%	-7.8%
2007	13.29	13.53	13.61	13.67	13.70	2007	-6.2%	-6.3%	-6.6%	-6.3%	-6.1%
2008	12.22	12.46	12.60	12.69	12.74	2008	-8.0%	-7.9%	-7.4%	-7.2%	-7.0%
2009	11.61	11.98	12.12	12.20	12.24	2009	-5.0%	-3.9%	-3.9%	-3.8%	-3.9%
2010	11.60	12.12	12.26	12.34	12.37	2010	-0.1%	1.2%	1.2%	1.1%	1.1%
2011	11.30	11.82	12.03	12.13	12.17	2011	-2.6%	-2.4%	-1.9%	-1.7%	-1.6%
2012	11.17	11.65	11.85	11.93	11.97	2012	-1.1%	-1.5%	-1.5%	-1.7%	-1.7%
2013	10.86	11.31	11.44	11.51	11.54	2013	-2.8%	-2.9%	-3.4%	-3.5%	-3.6%
2014	10.75	11.18	11.28	11.34	11.41	2014	-1.0%	-1.2%	-1.4%	-1.5%	-1.1%
2015	10.60	11.21	10.92	11.66	<i>11.74</i>	2015	-1.5%	0.3%	-3.2%	2.8%	2.9%
2016	10.26	10.30	10.71	<i>11.91</i>		2016	-3.1%	-8.1%	-1.9%	2.1%	
2017	9.83	9.70	<i>10.65</i>			2017	-4.3%	-5.9%	-0.6%		
2018	9.88	9.79				2018	0.5%	1.0%			
2019	<i>10.44</i>					2019	5.7%				

**Los Angeles/L.A. Basin**

Indemnity Claim Frequency per \$100M of Exposure at AY 2019 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2002	30.24	31.67	31.62	31.53	31.43	2002	---	---	---	---	---
2003	29.04	29.99	29.78	29.76	29.62	2003	-4.0%	-5.3%	-5.8%	-5.6%	-5.8%
2004	25.34	25.50	25.53	25.49	25.53	2004	-12.7%	-15.0%	-14.3%	-14.4%	-13.8%
2005	21.75	21.73	21.81	21.95	22.02	2005	-14.2%	-14.8%	-14.6%	-13.9%	-13.7%
2006	20.13	20.31	20.51	20.67	20.73	2006	-7.5%	-6.5%	-5.9%	-5.8%	-5.9%
2007	19.37	19.93	20.21	20.37	20.45	2007	-3.8%	-1.9%	-1.5%	-1.5%	-1.3%
2008	18.73	19.65	20.00	20.22	20.33	2008	-3.3%	-1.4%	-1.0%	-0.7%	-0.6%
2009	18.85	19.93	20.38	20.57	20.67	2009	0.7%	1.4%	1.9%	1.7%	1.7%
2010	19.79	21.01	21.51	21.70	21.77	2010	5.0%	5.4%	5.6%	5.5%	5.4%
2011	20.35	21.79	22.28	22.49	22.58	2011	2.8%	3.7%	3.6%	3.6%	3.7%
2012	21.27	22.85	23.30	23.48	23.62	2012	4.5%	4.8%	4.6%	4.4%	4.6%
2013	21.82	23.31	23.72	23.90	24.02	2013	2.6%	2.0%	1.8%	1.8%	1.7%
2014	22.35	23.85	24.24	24.40	24.30	2014	2.5%	2.3%	2.2%	2.1%	1.1%
2015	22.33	23.78	24.12	23.39	<i>23.19</i>	2015	-0.1%	-0.3%	-0.5%	-4.1%	-4.6%
2016	21.72	23.27	22.03	<i>20.87</i>		2016	-2.7%	-2.1%	-8.7%	-10.8%	
2017	21.44	22.42	<i>20.21</i>			2017	-1.3%	-3.7%	-8.3%		
2018	20.35	<i>20.86</i>				2018	-5.1%	-6.9%			
2019	<i>19.30</i>					2019	-5.2%				

**San Diego**

Indemnity Claim Frequency per \$100M of Exposure at AY 2019 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2002	29.31	29.61	29.59	29.32	29.41	2002	---	---	---	---	---
2003	26.84	27.03	26.80	26.73	26.83	2003	-8.4%	-8.7%	-9.4%	-8.8%	-8.8%
2004	23.48	23.39	23.42	23.31	22.90	2004	-12.5%	-13.5%	-12.6%	-12.8%	-14.6%
2005	20.43	20.49	20.50	19.84	19.61	2005	-13.0%	-12.4%	-12.5%	-14.9%	-14.4%
2006	19.09	18.98	18.44	18.11	18.13	2006	-6.5%	-7.4%	-10.1%	-8.7%	-7.5%
2007	18.42	17.94	17.66	17.38	17.43	2007	-3.5%	-5.5%	-4.2%	-4.0%	-3.9%
2008	16.91	16.97	17.13	16.91	17.00	2008	-8.2%	-5.4%	-3.0%	-2.7%	-2.5%
2009	15.95	16.59	16.76	16.88	16.98	2009	-5.7%	-2.2%	-2.1%	-0.1%	-0.1%
2010	16.57	17.27	17.50	17.69	17.75	2010	3.9%	4.1%	4.4%	4.8%	4.6%
2011	16.86	17.50	17.76	17.94	17.99	2011	1.7%	1.3%	1.5%	1.4%	1.4%
2012	17.01	17.64	17.87	17.98	18.04	2012	0.9%	0.8%	0.6%	0.2%	0.3%
2013	16.77	17.41	17.56	17.65	17.72	2013	-1.4%	-1.3%	-1.7%	-1.8%	-1.8%
2014	17.08	17.80	17.93	18.03	18.22	2014	1.9%	2.3%	2.1%	2.2%	2.8%
2015	17.31	18.08	18.21	18.48	<i>18.79</i>	2015	1.3%	1.6%	1.5%	2.5%	3.1%
2016	17.01	17.70	19.06	<i>19.57</i>		2016	-1.7%	-2.1%	4.7%	5.9%	
2017	16.42	16.47	<i>18.66</i>			2017	-3.4%	-7.0%	-2.1%		
2018	15.94	<i>15.64</i>				2018	-2.9%	-5.1%			
2019	<i>16.44</i>					2019	3.2%				

Figures in italics are based on preliminary partial data.  
Source: WCIRB unit statistical data

Indemnity Claim Frequency by Geographic Region

All Other

Indemnity Claim Frequency per \$100M of Exposure at AY 2019 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2002	36.52	37.57	38.24	38.71	39.03	2002	---	---	---	---	---
2003	34.53	35.76	36.22	36.39	36.54	2003	-5.5%	-4.8%	-5.3%	-6.0%	-6.4%
2004	31.50	32.24	32.36	32.54	32.66	2004	-8.8%	-9.8%	-10.7%	-10.6%	-10.6%
2005	27.56	27.97	28.18	28.41	28.58	2005	-12.5%	-13.2%	-12.9%	-12.7%	-12.5%
2006	25.21	25.55	25.87	26.09	26.17	2006	-8.5%	-8.7%	-8.2%	-8.2%	-8.4%
2007	23.90	24.45	24.89	25.14	25.19	2007	-5.2%	-4.3%	-3.8%	-3.7%	-3.8%
2008	22.53	23.25	23.57	23.75	23.82	2008	-5.7%	-4.9%	-5.3%	-5.5%	-5.4%
2009	22.01	22.74	22.93	23.08	23.17	2009	-2.3%	-2.2%	-2.7%	-2.8%	-2.7%
2010	22.40	23.29	23.60	23.71	23.86	2010	1.8%	2.4%	2.9%	2.7%	3.0%
2011	22.63	23.73	24.10	24.25	24.35	2011	1.0%	1.9%	2.1%	2.3%	2.1%
2012	23.17	24.25	24.60	24.78	24.82	2012	2.4%	2.2%	2.1%	2.2%	1.9%
2013	23.04	24.05	24.38	24.52	24.57	2013	-0.6%	-0.8%	-0.9%	-1.1%	-1.0%
2014	22.81	23.82	24.18	24.31	24.37	2014	-1.0%	-1.0%	-0.8%	-0.8%	-0.8%
2015	22.75	23.70	24.05	24.20	24.18	2015	-0.3%	-0.5%	-0.6%	-0.5%	-0.8%
2016	21.70	22.64	24.40	24.51		2016	-4.6%	-4.5%	1.5%	1.3%	
2017	21.65	23.74	26.77			2017	-0.2%	4.9%	9.7%		
2018	21.55	24.52				2018	-0.5%	3.3%			
2019	21.09					2019	-2.1%				

All Regions

Indemnity Claim Frequency per \$100M of Exposure at AY 2019 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2002	29.41	30.41	30.52	30.55	30.58	2002	---	---	---	---	---
2003	27.94	28.65	28.66	28.71	28.74	2003	-5.0%	-5.8%	-6.1%	-6.0%	-6.0%
2004	24.65	24.91	24.97	25.01	25.02	2004	-11.8%	-13.0%	-12.9%	-12.9%	-12.9%
2005	21.39	21.48	21.60	21.67	21.71	2005	-13.2%	-13.8%	-13.5%	-13.4%	-13.3%
2006	19.68	19.89	20.04	20.13	20.17	2006	-8.0%	-7.4%	-7.2%	-7.1%	-7.1%
2007	18.77	19.16	19.37	19.48	19.55	2007	-4.7%	-3.7%	-3.3%	-3.2%	-3.1%
2008	17.75	18.37	18.64	18.79	18.88	2008	-5.4%	-4.2%	-3.8%	-3.5%	-3.4%
2009	17.46	18.26	18.56	18.72	18.80	2009	-1.6%	-0.6%	-0.4%	-0.4%	-0.5%
2010	17.97	18.90	19.25	19.40	19.48	2010	2.9%	3.5%	3.7%	3.6%	3.6%
2011	18.17	19.24	19.62	19.79	19.86	2011	1.1%	1.8%	1.9%	2.0%	2.0%
2012	18.61	19.69	20.04	20.19	20.27	2012	2.4%	2.3%	2.1%	2.0%	2.1%
2013	18.68	19.72	20.01	20.14	20.22	2013	0.4%	0.1%	-0.1%	-0.2%	-0.3%
2014	18.80	19.82	20.11	20.23	20.41	2014	0.6%	0.5%	0.5%	0.4%	0.9%
2015	18.64	19.75	19.81	19.96	19.79	2015	-0.8%	-0.4%	-1.5%	-1.4%	-3.1%
2016	18.08	18.93	19.21	19.21		2016	-3.0%	-4.2%	-3.1%	-3.8%	
2017	17.63	18.73	18.60			2017	-2.5%	-1.1%	-3.2%		
2018	17.29	17.51				2018	-1.9%	-6.5%			
2019	17.30					2019	0.1%				

Indemnity Claim Count Distribution by Part of Body Code

Top 20 Part of Body Codes for Cumulative Injury based on Accident Year 2018 Shares														
2018 Rank	POB Code	POB Description	Accident Year											
			2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	90	Multiple Body Parts	25.5%	23.4%	25.1%	26.9%	30.1%	30.8%	32.6%	32.5%	33.7%	35.8%	37.6%	34.3%
2	42	Lower Back	5.9%	5.9%	7.2%	7.7%	7.6%	7.3%	8.2%	8.6%	8.7%	8.1%	7.0%	7.4%
3	34	Wrist	11.6%	11.5%	9.4%	8.4%	8.4%	8.3%	6.6%	5.9%	5.3%	5.2%	5.2%	5.7%
4	66	Psych	3.5%	4.7%	4.8%	5.1%	4.4%	4.3%	4.0%	4.1%	4.5%	4.5%	5.3%	5.6%
5	91	Body Systems	2.5%	3.2%	3.7%	3.3%	3.5%	4.6%	6.3%	5.8%	5.6%	7.0%	5.6%	5.5%
6	38	Shoulder	4.7%	5.0%	4.5%	4.6%	4.2%	4.3%	4.3%	4.7%	4.7%	4.3%	4.4%	4.8%
7	35	Hand	6.1%	5.5%	4.7%	4.6%	4.7%	4.4%	4.2%	4.1%	3.9%	3.8%	3.7%	4.1%
8	30	Multiple Upper	6.3%	6.0%	5.5%	4.6%	4.4%	4.6%	4.2%	4.3%	3.5%	3.5%	3.3%	3.6%
9	39	Wrist and Hand	5.7%	7.1%	5.3%	4.9%	5.0%	4.9%	4.0%	3.6%	3.3%	2.5%	2.5%	2.9%
10	53	Knee	3.0%	2.7%	2.2%	2.7%	2.3%	2.2%	2.7%	2.3%	2.3%	2.2%	2.1%	2.5%
11	25	Soft Tissue (Neck)	0.7%	1.0%	1.5%	1.8%	1.4%	1.5%	1.6%	1.9%	2.3%	1.7%	1.9%	2.0%
12	65	Unclassified	1.8%	1.9%	2.6%	2.3%	3.2%	3.1%	2.2%	2.0%	2.2%	2.4%	2.7%	1.7%
13	33	Lower Arm	2.4%	1.8%	1.7%	1.7%	1.5%	1.7%	1.7%	1.4%	1.2%	1.3%	1.3%	1.4%
14	12	Brain	3.8%	3.3%	4.8%	4.5%	3.6%	2.5%	1.3%	1.3%	1.2%	1.2%	1.2%	1.3%
15	31	Upper Arm	1.0%	1.0%	0.8%	0.9%	0.9%	0.7%	0.8%	0.8%	0.8%	0.9%	0.9%	1.2%
16	43	Disc (Back)	0.2%	0.3%	0.4%	0.3%	0.2%	0.5%	0.8%	1.0%	1.0%	0.9%	0.9%	1.2%
17	20	Multiple Neck	0.6%	0.8%	0.9%	0.8%	0.9%	1.1%	1.1%	0.9%	1.1%	0.8%	0.9%	1.0%
18	32	Elbow	1.7%	2.0%	1.5%	1.3%	1.3%	1.4%	1.2%	1.2%	1.1%	1.3%	1.2%	1.0%
19	10	Multiple Head	0.5%	0.8%	1.4%	1.3%	0.9%	0.9%	1.0%	1.1%	1.1%	0.8%	0.9%	1.0%
20	41	Upper Back	1.4%	1.2%	1.3%	1.1%	1.1%	1.1%	1.1%	1.2%	1.0%	0.8%	0.6%	0.8%
Other		Other	10.9%	11.1%	10.7%	11.3%	10.5%	9.8%	10.2%	11.3%	11.3%	10.9%	10.8%	10.9%

Top 20 Part of Body Codes for Non-Cumulative Injury based on Accident Year 2018 Shares														
2018 Rank	POB Code	POB Description	Accident Year											
			2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	42	Lower Back	16.0%	17.0%	17.6%	17.5%	17.0%	17.0%	17.1%	16.8%	16.2%	15.9%	14.7%	14.3%
2	90	Multiple Body Parts	11.1%	10.6%	10.6%	11.4%	12.7%	12.2%	11.7%	11.0%	10.2%	10.7%	10.6%	10.6%
3	53	Knee	8.3%	8.7%	8.7%	8.7%	8.4%	8.6%	9.0%	9.0%	9.1%	9.1%	9.1%	9.2%
4	38	Shoulder	5.2%	5.8%	6.3%	6.2%	6.2%	6.7%	7.6%	8.0%	8.3%	8.2%	8.2%	8.4%
5	36	Finger	6.3%	6.3%	6.1%	6.1%	5.9%	5.9%	5.9%	6.0%	6.1%	5.9%	6.1%	6.2%
6	55	Ankle	4.4%	4.5%	4.5%	4.3%	4.3%	4.3%	4.3%	4.5%	4.5%	4.6%	4.8%	5.0%
7	35	Hand	4.2%	4.1%	4.1%	4.3%	4.3%	4.5%	4.5%	4.4%	4.5%	4.5%	4.5%	4.6%
8	34	Wrist	5.8%	5.5%	5.4%	5.9%	5.4%	5.3%	4.0%	3.9%	4.1%	4.1%	4.1%	4.1%
9	56	Foot	3.4%	3.1%	3.1%	2.9%	3.0%	3.0%	3.0%	3.2%	3.2%	3.3%	3.5%	3.6%
10	41	Upper Back	1.5%	1.4%	1.4%	1.5%	1.5%	1.7%	1.9%	2.1%	2.0%	2.1%	2.2%	2.2%
11	61	Abdomen	2.4%	2.5%	2.4%	2.2%	2.4%	2.4%	2.5%	2.5%	2.5%	2.4%	2.4%	2.2%
12	33	Lower Arm	1.8%	1.9%	2.0%	2.0%	2.2%	2.3%	2.2%	2.1%	2.3%	2.3%	2.2%	2.1%
13	54	Lower Leg	1.9%	2.0%	1.8%	1.8%	1.8%	1.8%	1.8%	1.9%	1.9%	2.0%	2.0%	2.1%
14	32	Elbow	1.8%	1.8%	1.8%	1.8%	1.7%	1.8%	1.9%	2.0%	2.0%	2.0%	2.0%	1.9%
15	37	Thumb	1.7%	1.7%	1.7%	1.5%	1.6%	1.7%	1.7%	1.7%	1.7%	1.8%	1.8%	1.8%
16	31	Upper Arm	1.8%	1.9%	2.2%	2.4%	2.3%	2.1%	1.7%	1.6%	1.6%	1.5%	1.6%	1.7%
17	30	Multiple Upper	2.0%	1.9%	1.9%	1.9%	1.8%	1.9%	1.6%	1.6%	1.6%	1.5%	1.5%	1.5%
18	10	Multiple Head	1.1%	1.2%	1.2%	1.3%	1.2%	1.3%	1.1%	1.1%	1.2%	1.1%	1.4%	1.4%
19	44	Chest	1.2%	1.1%	1.2%	1.2%	1.1%	1.1%	1.1%	1.1%	1.1%	1.2%	1.1%	1.1%
20	18	Soft Tissue (Head)	0.9%	0.9%	0.9%	0.9%	0.9%	0.8%	0.9%	1.0%	1.1%	1.1%	1.1%	1.1%
Other		Other	16.9%	16.1%	15.0%	14.4%	14.2%	14.0%	14.5%	14.8%	14.9%	14.7%	15.2%	15.0%

**Ratios of Incremental Paid Losses to Prior Outstanding Losses by Accident Year**

Accident Year	Paid Indemnity								
	<u>3-15</u>	<u>15-27</u>	<u>27-39</u>	<u>39-51</u>	<u>51-63</u>	<u>63-75</u>	<u>75-87</u>	<u>87-99</u>	<u>99-111</u>
1996							0.299	0.272	0.215
1997						0.358	0.320	0.227	0.204
1998					0.397	0.348	0.286	0.210	0.249
1999				0.480	0.434	0.350	0.275	0.296	0.223
2000			0.585	0.518	0.400	0.345	0.311	0.289	0.242
2001		0.800	0.679	0.542	0.398	0.409	0.329	0.279	0.246
2002	3.229	0.818	0.624	0.497	0.467	0.401	0.353	0.291	0.245
2003	3.161	0.764	0.595	0.577	0.460	0.380	0.297	0.269	0.257
2004	2.996	0.608	0.617	0.471	0.398	0.356	0.291	0.306	0.293
2005	2.609	0.803	0.623	0.534	0.422	0.366	0.327	0.316	0.299
2006	3.863	0.866	0.641	0.508	0.441	0.389	0.335	0.302	0.271
2007	4.292	0.898	0.663	0.521	0.450	0.397	0.353	0.306	0.282
2008	4.567	0.959	0.710	0.569	0.480	0.415	0.348	0.325	0.251
2009	5.227	0.972	0.703	0.585	0.478	0.423	0.367	0.340	0.317
2010	5.746	0.980	0.746	0.598	0.512	0.458	0.409	0.368	0.313
2011	6.084	0.967	0.686	0.575	0.492	0.437	0.416	0.398	0.324
2012	6.240	0.979	0.718	0.588	0.534	0.469	0.408	0.348	0.283
2013	6.127	0.945	0.744	0.639	0.546	0.470	0.387	0.352	
2014	6.158	0.996	0.792	0.650	0.542	0.456	0.340		
2015	6.020	0.998	0.752	0.628	0.518	0.403			
2016	6.090	1.006	0.764	0.621	0.456				
2017	6.097	0.985	0.732	0.531					
2018	6.213	0.955	0.658						
2019	6.394	0.895							
2020	4.941								

Accident Year	Paid Medical								
	<u>3-15</u>	<u>15-27</u>	<u>27-39</u>	<u>39-51</u>	<u>51-63</u>	<u>63-75</u>	<u>75-87</u>	<u>87-99</u>	<u>99-111</u>
1996							0.264	0.264	0.176
1997						0.315	0.286	0.215	0.156
1998					0.348	0.319	0.218	0.175	0.188
1999				0.444	0.411	0.287	0.217	0.197	0.217
2000			0.571	0.477	0.331	0.253	0.222	0.254	0.192
2001		0.912	0.632	0.467	0.302	0.309	0.285	0.236	0.210
2002	4.394	0.858	0.534	0.365	0.366	0.350	0.278	0.252	0.210
2003	4.039	0.766	0.416	0.439	0.374	0.302	0.264	0.241	0.208
2004	3.404	0.572	0.510	0.427	0.372	0.310	0.278	0.237	0.229
2005	3.004	0.626	0.463	0.418	0.382	0.336	0.263	0.273	0.241
2006	4.070	0.636	0.496	0.414	0.365	0.329	0.279	0.256	0.206
2007	3.940	0.664	0.519	0.448	0.371	0.344	0.308	0.243	0.208
2008	4.004	0.679	0.532	0.470	0.415	0.350	0.288	0.244	0.201
2009	4.453	0.694	0.532	0.488	0.408	0.347	0.283	0.237	0.201
2010	4.645	0.691	0.578	0.492	0.410	0.350	0.317	0.264	0.228
2011	3.901	0.652	0.492	0.433	0.373	0.317	0.288	0.256	0.227
2012	3.949	0.612	0.490	0.432	0.389	0.322	0.287	0.262	0.191
2013	3.855	0.584	0.479	0.442	0.362	0.321	0.268	0.213	
2014	4.030	0.598	0.511	0.446	0.376	0.343	0.262		
2015	3.965	0.591	0.474	0.416	0.344	0.282			
2016	4.100	0.573	0.462	0.405	0.329				
2017	4.264	0.564	0.454	0.352					
2018	4.003	0.565	0.445						
2019	3.985	0.540							
2020	3.012								

Note: Entries for paid medical from accident years 2011 and prior reflect the paid cost of medical cost containment programs attributable to policies with effective dates prior to July 1, 2010. Entries for accident years 2012 and subsequent exclude the paid cost of medical cost containment programs.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

**Comparison of Projected Loss Ratios as of March 31, 2021  
Accident Year 2015 Projected to 75 Months<sup>[1]</sup>**

**Indemnity**

Methodology	Based on Experience Evaluated as of (in months):					
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>Current</u>
3-Year Avg. Incurred	0.203	0.202	0.199	0.196	0.192	0.189
Latest Year Incurred	0.195	0.196	0.195	0.194	0.191	0.189
3-Year Avg. Paid	0.201	0.205	0.204	0.200	0.194	0.189
Latest Year Paid	0.203	0.204	0.202	0.199	0.194	0.189
Reform-Adj. Paid <sup>[2]</sup>	0.203	0.204	0.202	0.199	0.194	0.189
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	0.197	0.198	0.198	0.196	0.193	0.189
Difference from Actual 75-Month Loss Ratio						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>Current</u>
3-Year Avg. Incurred	7.1%	7.1%	5.4%	3.5%	1.4%	0.0%
Latest Year Incurred	3.3%	3.6%	3.1%	2.4%	1.0%	0.0%
3-Year Avg. Paid	6.5%	8.6%	8.1%	5.8%	2.9%	0.0%
Latest Year Paid	7.3%	7.9%	6.9%	5.4%	2.7%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	7.3%	7.9%	6.9%	5.4%	2.7%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	4.2%	4.9%	4.5%	3.8%	1.9%	0.0%

**Medical**

Methodology	Based on Experience Evaluated as of (in months):					
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>Current</u>
3-Year Avg. Incurred	0.256	0.248	0.241	0.230	0.221	0.214
Latest Year Incurred	0.234	0.232	0.231	0.225	0.218	0.214
3-Year Avg. Paid	0.243	0.244	0.237	0.230	0.222	0.214
Latest Year Paid	0.236	0.238	0.233	0.227	0.221	0.214
Reform-Adj. Paid <sup>[2]</sup>	0.236	0.238	0.233	0.227	0.221	0.214
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	0.232	0.234	0.229	0.225	0.219	0.214
Difference from Actual 75-Month Loss Ratio						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>Current</u>
3-Year Avg. Incurred	19.7%	15.9%	12.4%	7.4%	3.1%	0.0%
Latest Year Incurred	9.1%	8.2%	8.0%	5.2%	1.9%	0.0%
3-Year Avg. Paid	13.7%	13.8%	10.8%	7.4%	3.5%	0.0%
Latest Year Paid	9.9%	11.0%	8.6%	6.1%	2.9%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	9.9%	11.0%	8.6%	6.1%	2.9%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	8.1%	9.2%	7.1%	5.1%	2.4%	0.0%

<sup>[1]</sup> Each loss ratio is projected to incurred losses at 75 months. Loss ratios projected under paid methods are converted to an incurred basis causing the ratio of incurred losses to paid losses reported at 75 months.

<sup>[2]</sup> The Reform-Adjusted Paid Methodology reflects adjustments for SB 1160 lien reforms. Factors are also adjusted for the impact of pharmaceutical cost reductions to bring the historical payments to the current pharmaceutical cost level.

<sup>[3]</sup> The Latest Year Claim-Settlement Methodology for projecting ultimate loss ratios also contemplates adjustments for reforms. See [2] above.

Source: WCIRB quarterly calls for experience

**Comparison of Projected Loss Ratios as of March 31, 2021  
Accident Year 2016 Projected to 63 Months<sup>[1]</sup>**

**Indemnity**

Methodology	Based on Experience Evaluated as of (in months):				
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>Current</u>
3-Year Avg. Incurred	0.187	0.185	0.181	0.178	0.175
Latest Year Incurred	0.189	0.186	0.180	0.178	0.175
3-Year Avg. Paid	0.193	0.190	0.186	0.181	0.175
Latest Year Paid	0.195	0.190	0.185	0.181	0.175
Reform-Adj. Paid <sup>[2]</sup>	0.195	0.190	0.185	0.181	0.175
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	0.189	0.185	0.182	0.179	0.175

	Difference from Actual 63-Month Loss Ratio				
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>Current</u>
3-Year Avg. Incurred	6.8%	5.9%	3.5%	1.8%	0.0%
Latest Year Incurred	7.8%	6.3%	3.1%	1.9%	0.0%
3-Year Avg. Paid	10.2%	8.7%	6.5%	3.6%	0.0%
Latest Year Paid	11.7%	8.7%	5.7%	3.2%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	11.7%	8.7%	5.7%	3.2%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	8.0%	5.6%	3.8%	2.1%	0.0%

**Medical**

Methodology	Based on Experience Evaluated as of (in months):				
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>Current</u>
3-Year Avg. Incurred	0.229	0.222	0.213	0.204	0.198
Latest Year Incurred	0.222	0.218	0.210	0.203	0.198
3-Year Avg. Paid	0.230	0.222	0.214	0.206	0.198
Latest Year Paid	0.229	0.220	0.213	0.206	0.198
Reform-Adj. Paid <sup>[2]</sup>	0.229	0.220	0.213	0.206	0.198
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	0.224	0.216	0.210	0.204	0.198

	Difference from Actual 63-Month Loss Ratio				
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>Current</u>
3-Year Avg. Incurred	15.4%	11.6%	7.4%	3.1%	0.0%
Latest Year Incurred	12.0%	9.7%	5.7%	2.3%	0.0%
3-Year Avg. Paid	16.2%	12.1%	7.9%	4.1%	0.0%
Latest Year Paid	15.6%	10.9%	7.1%	3.8%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	15.6%	10.9%	7.1%	3.8%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	13.1%	8.7%	5.7%	2.9%	0.0%

<sup>[1]</sup> Each loss ratio is projected to incurred losses at 63 months. Loss ratios projected under paid methods are converted to an incurred basis causing the ratio of incurred losses to paid losses reported at 63 months.

<sup>[2]</sup> The Reform-Adjusted Paid Methodology reflects adjustments for SB 1160 lien reforms. Factors are also adjusted for the impact of pharmaceutical cost reductions to bring the historical payments to the current pharmaceutical cost level.

<sup>[3]</sup> The Latest Year Claim-Settlement Methodology for projecting ultimate loss ratios also contemplates adjustments for reforms. See [2] above.

Source: WCIRB quarterly calls for experience

**Comparison of Projected Loss Ratios as of March 31, 2021  
Accident Year 2017 Projected to 51 Months<sup>[1]</sup>**

**Indemnity**

Methodology

Based on Experience Evaluated as of (in months):

	<u>15</u>	<u>27</u>	<u>39</u>	<u>Current</u>
3-Year Avg. Incurred	0.185	0.181	0.178	0.174
Latest Year Incurred	0.182	0.180	0.178	0.174
3-Year Avg. Paid	0.191	0.187	0.181	0.174
Latest Year Paid	0.186	0.185	0.181	0.174
Reform-Adj. Paid <sup>[2]</sup>	0.186	0.185	0.181	0.174
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	0.178	0.179	0.178	0.174

Difference from Actual 51-Month Loss Ratio

	<u>15</u>	<u>27</u>	<u>39</u>	<u>Current</u>
3-Year Avg. Incurred	6.0%	3.8%	1.8%	0.0%
Latest Year Incurred	4.3%	3.1%	2.0%	0.0%
3-Year Avg. Paid	9.5%	7.2%	3.7%	0.0%
Latest Year Paid	6.6%	6.1%	3.6%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	6.6%	6.1%	3.6%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	2.2%	2.8%	1.8%	0.0%

**Medical**

Based on Experience Evaluated as of (in months):

	<u>15</u>	<u>27</u>	<u>39</u>	<u>Current</u>
3-Year Avg. Incurred	0.220	0.212	0.207	0.201
Latest Year Incurred	0.213	0.209	0.205	0.201
3-Year Avg. Paid	0.230	0.220	0.210	0.201
Latest Year Paid	0.219	0.215	0.209	0.201
Reform-Adj. Paid <sup>[2]</sup>	0.219	0.215	0.209	0.201
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	0.217	0.212	0.207	0.201

Difference from Actual 51-Month Loss Ratio

	<u>15</u>	<u>27</u>	<u>39</u>	<u>Current</u>
3-Year Avg. Incurred	9.4%	5.4%	2.9%	0.0%
Latest Year Incurred	6.0%	3.9%	2.0%	0.0%
3-Year Avg. Paid	14.4%	9.4%	4.8%	0.0%
Latest Year Paid	9.2%	7.0%	3.9%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	9.2%	7.0%	3.9%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	8.1%	5.8%	3.3%	0.0%

<sup>[1]</sup> Each loss ratio is projected to incurred losses at 51 months. Loss ratios projected under paid methods are converted to an incurred basis causing the ratio of incurred losses to paid losses reported at 51 months.

<sup>[2]</sup> The Reform-Adjusted Paid Methodology reflects adjustments for SB 1160 lien reforms. Factors are also adjusted for the impact of pharmaceutical cost reductions to bring the historical payments to the current pharmaceutical cost level.

<sup>[3]</sup> The Latest Year Claim-Settlement Methodology for projecting ultimate loss ratios also contemplates adjustments for reforms. See [2] above.

Source: WCIRB quarterly calls for experience



**Comparison of Projected Loss Ratios as of March 31, 2021  
Accident Year 2018 Projected to 39 Months<sup>[1]</sup>**

<b>Indemnity</b>			
<u>Methodology</u>	<u>Based on Experience Evaluated as of (in months):</u>		
	<u>15</u>	<u>27</u>	<u>Current</u>
3-Year Avg. Incurred	0.182	0.178	0.174
Latest Year Incurred	0.178	0.176	0.174
3-Year Avg. Paid	0.188	0.182	0.174
Latest Year Paid	0.183	0.180	0.174
Reform-Adj. Paid <sup>[2]</sup>	0.183	0.180	0.174
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	0.180	0.177	0.174
	<u>Difference from Actual 39-Month Loss Ratio</u>		
	<u>15</u>	<u>27</u>	<u>Current</u>
3-Year Avg. Incurred	4.6%	1.9%	0.0%
Latest Year Incurred	2.0%	0.7%	0.0%
3-Year Avg. Paid	8.0%	4.6%	0.0%
Latest Year Paid	5.2%	3.2%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	5.2%	3.2%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	3.1%	1.4%	0.0%
<b>Medical</b>			
	<u>Based on Experience Evaluated as of (in months):</u>		
	<u>15</u>	<u>27</u>	<u>Current</u>
3-Year Avg. Incurred	0.215	0.209	0.206
Latest Year Incurred	0.206	0.205	0.206
3-Year Avg. Paid	0.219	0.214	0.206
Latest Year Paid	0.209	0.210	0.206
Reform-Adj. Paid <sup>[2]</sup>	0.210	0.211	0.206
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	0.208	0.209	0.206
	<u>Difference from Actual 39-Month Loss Ratio</u>		
	<u>15</u>	<u>27</u>	<u>Current</u>
3-Year Avg. Incurred	4.4%	1.7%	0.0%
Latest Year Incurred	0.2%	-0.4%	0.0%
3-Year Avg. Paid	6.0%	3.8%	0.0%
Latest Year Paid	1.4%	2.1%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	2.2%	2.5%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>[3]</sup>	1.1%	1.4%	0.0%

<sup>[1]</sup> Each loss ratio is projected to incurred losses at 39 months. Loss ratios projected under paid methods are converted to an incurred basis causing the ratio of incurred losses to paid losses reported at 39 months.

<sup>[2]</sup> The Reform-Adjusted Paid Methodology reflects adjustments for SB 1160 lien reforms. Factors are also adjusted for the impact of pharmaceutical cost reductions to bring the historical payments to the current pharmaceutical cost level.

<sup>[3]</sup> The Latest Year Claim-Settlement Methodology for projecting ultimate loss ratios also contemplates adjustments for reforms. See [2] above.

Source: WCIRB quarterly calls for experience

**Comparison of Projected Loss Ratios as of March 31, 2021  
Accident Year 2019 Projected to 27 Months<sup>[1]</sup>**

<b>Indemnity</b>		
<u>Methodology</u>	Based on Experience Evaluated as of (in months):	
	<u>15</u>	<u>Current</u>
3-Year Avg. Incurred	0.172	0.171
Latest Year Incurred	0.170	0.171
3-Year Avg. Paid	0.175	0.171
Latest Year Paid	0.172	0.171
Reform-Adj. Paid <sup>[2]</sup>	0.172	0.171
Latest Yr. Pd. Adj. for Settlement <sup>1</sup>	0.172	0.171
	Difference from Actual 27-Month Loss Ratio	
	<u>15</u>	<u>Current</u>
3-Year Avg. Incurred	0.8%	0.0%
Latest Year Incurred	-0.4%	0.0%
3-Year Avg. Paid	2.4%	0.0%
Latest Year Paid	0.9%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	0.9%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>1</sup>	1.0%	0.0%
<b>Medical</b>		
	Based on Experience Evaluated as of (in months):	
	<u>15</u>	<u>Current</u>
3-Year Avg. Incurred	0.207	0.207
Latest Year Incurred	0.204	0.207
3-Year Avg. Paid	0.210	0.207
Latest Year Paid	0.210	0.207
Reform-Adj. Paid <sup>[2]</sup>	0.210	0.207
Latest Yr. Pd. Adj. for Settlement <sup>1</sup>	0.210	0.207
	Difference from Actual 27-Month Loss Ratio	
	<u>15</u>	<u>Current</u>
3-Year Avg. Incurred	-0.3%	0.0%
Latest Year Incurred	-1.4%	0.0%
3-Year Avg. Paid	1.4%	0.0%
Latest Year Paid	1.1%	0.0%
Reform-Adj. Paid <sup>[2]</sup>	1.1%	0.0%
Latest Yr. Pd. Adj. for Settlement <sup>1</sup>	1.2%	0.0%

<sup>[1]</sup> Each loss ratio is projected to incurred losses at 27 months. Loss ratios projected under paid methods are converted to an incurred basis causing the ratio of incurred losses to paid losses reported at 27 months.

<sup>[2]</sup> The Reform-Adjusted Paid Methodology reflects adjustments for SB 1160 lien reforms. Factors are also adjusted for the impact of pharmaceutical cost reductions to bring the historical payments to the current pharmaceutical cost level.

<sup>[3]</sup> The Latest Year Claim-Settlement Methodology for projecting ultimate loss ratios also contemplates adjustments for reforms. See [2] above.

Source: WCIRB quarterly calls for experience

**Average Incurred Indemnity Loss per Reported Indemnity Claim**  
As of March 31, 2021

Accident	Evaluated as of (in months):									
Year	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
1996										16,584
1997									18,769	18,802
1998								20,731	20,743	20,844
1999							22,007	22,145	22,330	22,457
2000						22,715	22,968	23,201	23,454	23,610
2001					24,001	24,542	25,028	25,511	25,874	26,072
2002				21,359	22,340	22,944	23,599	24,053	24,304	24,563
2003			18,324	20,456	21,780	22,835	23,551	24,006	24,507	24,937
2004		11,653	14,374	16,404	17,458	18,192	18,894	19,407	19,910	20,216
2005	9,484	8,808	12,112	14,098	15,299	16,249	17,044	17,704	18,097	18,390
2006	6,955	8,834	13,060	15,421	16,902	18,111	19,023	19,564	19,938	20,180
2007	6,724	9,256	13,964	16,799	18,458	19,633	20,476	21,059	21,518	21,742
2008	6,493	9,904	15,130	18,540	20,500	21,711	22,563	23,087	23,450	23,684
2009	6,445	10,255	15,853	19,120	21,327	22,561	23,442	23,881	24,245	24,556
2010	6,184	10,101	15,388	18,839	20,695	21,850	22,573	23,056	23,421	23,676
2011	6,091	10,579	15,877	18,806	20,586	21,494	22,127	22,615	22,953	23,178
2012	6,157	10,568	15,560	18,420	19,886	20,971	21,615	22,063	22,367	22,609
2013	6,496	10,620	15,452	18,047	19,577	20,417	21,000	21,328	21,533	
2014	6,164	10,637	15,543	18,656	20,296	21,226	21,679	21,982		
2015	6,791	10,958	16,242	19,097	20,629	21,371	21,894			
2016	6,631	11,069	16,159	18,816	20,228	20,903				
2017	6,762	11,318	16,512	19,198	20,442					
2018	7,132	12,067	17,317	20,028						
2019	7,431	12,674	18,078							
2020	8,982	13,031								
2021	7,961									

Accident	Annual Change									
Year	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
1997										13.4%
1998									10.5%	10.9%
1999								6.8%	7.7%	7.7%
2000							4.4%	4.8%	5.0%	5.1%
2001						8.0%	9.0%	10.0%	10.3%	10.4%
2002					-6.9%	-6.5%	-5.7%	-5.7%	-6.1%	-5.8%
2003				-4.2%	-2.5%	-0.5%	-0.2%	-0.2%	0.8%	1.5%
2004			-21.6%	-19.8%	-19.8%	-20.3%	-19.8%	-19.2%	-18.8%	-18.9%
2005		-24.4%	-15.7%	-14.1%	-12.4%	-10.7%	-9.8%	-8.8%	-9.1%	-9.0%
2006	-26.7%	0.3%	7.8%	9.4%	10.5%	11.5%	11.6%	10.5%	10.2%	9.7%
2007	-3.3%	4.8%	6.9%	8.9%	9.2%	8.4%	7.6%	7.6%	7.9%	7.7%
2008	-3.4%	7.0%	8.4%	10.4%	11.1%	10.6%	10.2%	9.6%	9.0%	8.9%
2009	-0.7%	3.5%	4.8%	3.1%	4.0%	3.9%	3.9%	3.4%	3.4%	3.7%
2010	-4.1%	-1.5%	-2.9%	-1.5%	-3.0%	-3.2%	-3.7%	-3.5%	-3.4%	-3.6%
2011	-1.5%	4.7%	3.2%	-0.2%	-0.5%	-1.6%	-2.0%	-1.9%	-2.0%	-2.1%
2012	1.1%	-0.1%	-2.0%	-2.1%	-3.4%	-2.4%	-2.3%	-2.4%	-2.6%	-2.5%
2013	5.5%	0.5%	-0.7%	-2.0%	-1.6%	-2.6%	-2.8%	-3.3%	-3.7%	
2014	-5.1%	0.2%	0.6%	3.4%	3.7%	4.0%	3.2%	3.1%		
2015	10.2%	3.0%	4.5%	2.4%	1.6%	0.7%	1.0%			
2016	-2.4%	1.0%	-0.5%	-1.5%	-1.9%	-2.2%				
2017	2.0%	2.2%	2.2%	2.0%	1.1%					
2018	5.5%	6.6%	4.9%	4.3%						
2019	4.2%	5.0%	4.4%							
2020	20.9%	2.8%								
2021	-11.4%									

Annual Trend*										
All-Year	0.5%	1.7%	1.2%	0.6%	0.0%	-0.2%	-0.2%	-0.1%	0.3%	1.0%
R <sup>2</sup>	0.040	0.609	0.308	0.078	0.000	0.008	0.012	0.002	0.021	0.156
5-Year	5.7%	4.5%	2.9%	1.5%	0.8%	0.4%	-0.2%	-1.5%	-2.8%	-1.5%
R <sup>2</sup>	0.644	0.978	0.872	0.718	0.438	0.125	0.022	0.674	0.990	0.610

\*Trend is based on an exponential distribution.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

**Average Incurred Medical Loss per Reported Claim**  
As of March 31, 2021

Accident	Evaluated as of (in months):									
Year	3	15	27	39	51	63	75	87	99	111
2000										8,223
2001									9,445	9,787
2002								9,509	9,842	10,132
2003							8,915	9,299	9,682	10,030
2004						7,020	7,415	7,872	8,174	8,432
2005					6,222	6,713	7,204	7,629	7,932	8,128
2006				6,431	7,021	7,550	8,020	8,402	8,699	8,850
2007			6,242	7,222	8,022	8,647	9,227	9,572	9,839	9,982
2008		5,236	6,929	8,155	9,078	9,850	10,375	10,726	10,931	11,028
2009	4,463	5,820	7,978	9,311	10,503	11,265	11,783	12,065	12,218	12,293
2010	4,525	6,011	8,178	9,796	10,828	11,524	11,904	12,144	12,265	12,390
2011	4,848	6,257	8,543	9,861	10,751	11,321	11,560	11,711	11,809	11,899
2012	4,852	6,361	8,306	9,414	10,074	10,543	10,775	10,910	11,065	11,104
2013	5,266	6,434	8,236	9,075	9,704	9,969	10,178	10,266	10,306	
2014	4,879	6,244	7,783	8,723	9,224	9,499	9,692	9,780		
2015	4,991	6,325	7,885	8,719	9,118	9,331	9,463			
2016	4,994	6,470	7,894	8,525	8,843	9,066				
2017	5,086	6,410	7,722	8,397	8,702					
2018	5,373	6,711	8,036	8,739						
2019	5,459	6,701	8,132							
2020	6,227	7,458								
2021	6,552									

Accident	Annual Change									
Year	3	15	27	39	51	63	75	87	99	111
2001										19.0%
2002									4.2%	3.5%
2003								-2.2%	-1.6%	-1.0%
2004							-16.8%	-15.3%	-15.6%	-15.9%
2005						-4.4%	-2.8%	-3.1%	-3.0%	-3.6%
2006					12.8%	12.5%	11.3%	10.1%	9.7%	8.9%
2007				12.3%	14.3%	14.5%	15.1%	13.9%	13.1%	12.8%
2008			11.0%	12.9%	13.2%	13.9%	12.4%	12.0%	11.1%	10.5%
2009		11.1%	15.2%	14.2%	15.7%	14.4%	13.6%	12.5%	11.8%	11.5%
2010	1.4%	3.3%	2.5%	5.2%	3.1%	2.3%	1.0%	0.7%	0.4%	0.8%
2011	7.1%	4.1%	4.5%	0.7%	-0.7%	-1.8%	-2.9%	-3.6%	-3.7%	-4.0%
2012	0.1%	1.7%	-2.8%	-4.5%	-6.3%	-6.9%	-6.8%	-6.8%	-6.3%	-6.7%
2013	8.5%	1.1%	-0.8%	-3.6%	-3.7%	-5.4%	-5.5%	-5.9%	-6.9%	
2014	-7.3%	-3.0%	-5.5%	-3.9%	-4.9%	-4.7%	-4.8%	-4.7%		
2015	2.3%	1.3%	1.3%	0.0%	-1.2%	-1.8%	-2.4%			
2016	0.1%	2.3%	0.1%	-2.2%	-3.0%	-2.8%				
2017	1.9%	-0.9%	-2.2%	-1.5%	-1.6%					
2018	5.6%	4.7%	4.1%	4.1%						
2019	1.6%	-0.1%	1.2%							
2020	14.1%	11.3%								
2021	5.2%									

Annual Trend*										
All-Year	2.6%	1.9%	1.0%	1.2%	1.9%	2.6%	2.5%	2.3%	2.3%	2.7%
R <sup>2</sup>	0.792	0.769	0.226	0.163	0.209	0.315	0.341	0.349	0.396	0.506
5-Year	6.8%	3.3%	0.8%	-0.3%	-2.6%	-3.6%	-4.9%	-5.5%	-4.3%	-0.2%
R <sup>2</sup>	0.939	0.746	0.403	0.091	0.949	0.957	0.972	0.992	0.892	0.003

\*Trend is based on an exponential distribution.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

**Average Indemnity Case Outstanding per Open Indemnity Claim**  
As of March 31, 2021

Accident Year	Evaluated as of (in months):									
	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
1996										33,758
1997									32,056	32,768
1998								31,937	31,893	33,257
1999							27,727	28,027	28,923	30,413
2000						24,107	23,556	24,428	25,122	25,988
2001					20,572	19,907	19,974	21,347	23,063	23,914
2002				18,102	16,786	16,459	17,613	18,770	19,572	21,383
2003			16,829	15,269	15,551	17,105	19,067	21,225	24,443	28,127
2004		12,085	12,492	13,239	14,303	16,012	18,193	20,775	23,507	24,789
2005	9,152	8,181	10,193	11,616	12,984	15,426	18,508	22,028	23,455	26,289
2006	6,561	7,879	11,251	13,220	15,416	18,637	21,368	22,834	25,806	27,499
2007	6,177	8,280	11,873	14,476	16,722	18,818	20,951	24,430	27,797	30,079
2008	5,911	8,629	12,397	15,257	17,018	18,508	21,531	24,183	27,118	31,050
2009	5,850	9,015	13,061	14,959	17,229	19,364	21,792	23,759	26,284	29,325
2010	5,600	8,941	12,551	14,767	16,508	18,390	20,461	22,760	25,742	29,474
2011	5,523	9,621	13,194	15,264	17,534	19,065	21,026	23,775	26,511	29,931
2012	5,608	9,493	12,892	14,947	16,395	18,850	21,429	25,174	29,389	34,063
2013	6,057	9,502	13,021	14,186	15,754	17,759	20,872	24,779	26,931	
2014	5,610	9,558	12,986	15,068	17,477	20,427	22,404	25,688		
2015	6,307	9,902	14,109	16,590	19,651	22,246	25,415			
2016	6,106	10,062	14,515	17,256	20,495	22,953				
2017	6,255	10,758	16,043	19,736	22,448					
2018	6,629	11,608	17,019	20,185						
2019	6,914	12,269	17,023							
2020	8,391	12,145								
2021	7,288									

Accident Year	Annual Change									
	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
1997										-2.9%
1998									-0.5%	1.5%
1999								-12.2%	-9.3%	-8.6%
2000						-15.0%	-12.8%	-13.1%	-14.6%	
2001					-17.4%	-15.2%	-12.6%	-8.2%	-8.0%	
2002				-18.4%	-17.3%	-11.8%	-12.1%	-15.1%	-10.6%	
2003			-15.6%	-7.4%	3.9%	8.3%	13.1%	24.9%	31.5%	
2004		-25.8%	-13.3%	-8.0%	-6.4%	-4.6%	-2.1%	-3.8%	-11.9%	
2005	-32.3%	-18.4%	-12.3%	-9.2%	-3.7%	1.7%	6.0%	-0.2%	6.1%	
2006	-28.3%	-3.7%	10.4%	13.8%	18.7%	20.8%	15.5%	3.7%	10.0%	4.6%
2007	-5.9%	5.1%	5.5%	9.5%	8.5%	1.0%	-2.0%	7.0%	7.7%	9.4%
2008	-4.3%	4.2%	4.4%	5.4%	1.8%	-1.6%	2.8%	-1.0%	-2.4%	3.2%
2009	-1.0%	4.5%	5.4%	-2.0%	1.2%	4.6%	1.2%	-1.8%	-3.1%	-5.6%
2010	-4.3%	-0.8%	-3.9%	-1.3%	-4.2%	-5.0%	-6.1%	-4.2%	-2.1%	0.5%
2011	-1.4%	7.6%	5.1%	3.4%	6.2%	3.7%	2.8%	4.5%	3.0%	1.6%
2012	1.5%	-1.3%	-2.3%	-2.1%	-6.5%	-1.1%	1.9%	5.9%	10.9%	13.8%
2013	8.0%	0.1%	1.0%	-5.1%	-3.9%	-5.8%	-2.6%	-1.6%	-8.4%	
2014	-7.4%	0.6%	-0.3%	6.2%	10.9%	15.0%	7.3%	3.7%		
2015	12.4%	3.6%	8.6%	10.1%	12.4%	8.9%	13.4%			
2016	-3.2%	1.6%	2.9%	4.0%	4.3%	3.2%				
2017	2.4%	6.9%	10.5%	14.4%	9.5%					
2018	6.0%	7.9%	6.1%	2.3%						
2019	4.3%	5.7%	0.0%							
2020	21.4%	-1.0%								
2021	-13.2%									

Annual Trend*										
All-Year	0.5%	1.9%	1.8%	1.6%	1.4%	0.8%	0.3%	-0.1%	-0.1%	0.1%
R <sup>2</sup>	0.029	0.432	0.356	0.322	0.250	0.104	0.019	0.001	0.003	0.001
5-Year	5.6%	5.2%	5.5%	7.9%	9.1%	6.4%	4.3%	2.9%	1.8%	2.1%
R <sup>2</sup>	0.587	0.904	0.919	0.961	0.980	0.818	0.680	0.857	0.312	0.276

\*Trend is based on an exponential distribution.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

**Average Medical Case Outstanding per Open Indemnity Claim**  
As of March 31, 2021

Accident Year	Evaluated as of (in months):									
	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
1996										50,233
1997									47,962	54,091
1998								44,717	51,082	60,656
1999							33,332	39,371	48,292	64,525
2000						27,449	31,142	38,084	50,401	58,211
2001					20,360	23,531	28,560	37,219	47,214	59,603
2002				16,666	18,092	21,390	28,532	35,879	44,922	54,294
2003			14,403	15,408	18,539	23,535	30,928	39,424	49,182	62,098
2004		12,376	12,951	15,448	20,179	26,530	32,519	42,766	51,812	61,096
2005	14,094	12,513	14,709	18,724	22,194	27,763	36,212	47,337	55,176	66,286
2006	11,343	12,434	16,880	21,663	26,227	32,955	40,229	48,453	60,474	68,562
2007	12,414	13,940	18,309	22,666	28,601	35,351	44,061	53,286	63,403	73,317
2008	12,527	14,588	18,798	23,752	28,992	36,071	45,102	54,296	63,966	72,500
2009	13,147	15,369	20,463	24,444	30,901	37,491	44,524	52,552	60,547	68,519
2010	13,112	15,473	20,060	24,990	30,078	36,331	42,197	48,349	54,290	64,446
2011	14,426	17,014	22,092	26,697	32,528	39,140	43,912	49,805	57,714	66,612
2012	14,744	17,286	21,310	25,290	29,453	35,091	41,482	48,552	58,951	65,994
2013	15,431	16,695	21,000	23,524	28,347	33,218	40,087	47,291	54,088	
2014	13,633	16,235	19,348	22,792	27,212	32,481	38,288	43,567		
2015	14,486	16,496	20,272	25,277	30,824	37,302	41,921			
2016	13,929	16,936	21,232	25,973	31,215	36,445				
2017	14,084	17,937	22,845	29,024	34,082					
2018	15,748	19,018	23,447	27,449						
2019	15,864	18,787	22,738							
2020	17,946	18,559								
2021	16,705									

Accident Year	Annual Change									
	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
1997										7.7%
1998									6.5%	12.1%
1999								-12.0%	-5.5%	6.4%
2000							-6.6%	-3.3%	4.4%	-9.8%
2001						-14.3%	-8.3%	-2.3%	-6.3%	2.4%
2002					-11.1%	-9.1%	-0.1%	-3.6%	-4.9%	-8.9%
2003				-7.5%	2.5%	10.0%	8.4%	9.9%	9.5%	14.4%
2004			-10.1%	0.3%	8.9%	12.7%	5.1%	8.5%	5.3%	-1.6%
2005		1.1%	13.6%	21.2%	10.0%	4.6%	11.4%	10.7%	6.5%	8.5%
2006	-19.5%	-0.6%	14.8%	15.7%	18.2%	18.7%	11.1%	2.4%	9.6%	3.4%
2007	9.4%	12.1%	8.5%	4.6%	9.1%	7.3%	9.5%	10.0%	4.8%	6.9%
2008	0.9%	4.6%	2.7%	4.8%	1.4%	2.0%	2.4%	1.9%	0.9%	-1.1%
2009	4.9%	5.4%	8.9%	2.9%	6.6%	3.9%	-1.3%	-3.2%	-5.3%	-5.5%
2010	-0.3%	0.7%	-2.0%	2.2%	-2.7%	-3.1%	-5.2%	-8.0%	-10.3%	-5.9%
2011	10.0%	10.0%	10.1%	6.8%	8.1%	7.7%	4.1%	3.0%	6.3%	3.4%
2012	2.2%	1.6%	-3.5%	-5.3%	-9.5%	-10.3%	-5.5%	-2.5%	2.1%	-0.9%
2013	4.7%	-3.4%	-1.5%	-7.0%	-3.8%	-5.3%	-3.4%	-2.6%	-8.2%	
2014	-11.7%	-2.8%	-7.9%	-3.1%	-4.0%	-2.2%	-4.5%	-7.9%		
2015	6.3%	1.6%	4.8%	10.9%	13.3%	14.8%	9.5%			
2016	-3.8%	2.7%	4.7%	2.8%	1.3%	-2.3%				
2017	1.1%	5.9%	7.6%	11.7%	9.2%					
2018	11.8%	6.0%	2.6%	-5.4%						
2019	0.7%	-1.2%	-3.0%							
2020	13.1%	-1.2%								
2021	-6.9%									

Annual Trend*										
All-Year	1.9%	2.7%	3.0%	3.4%	3.5%	3.0%	2.5%	1.6%	1.5%	1.6%
R <sup>2</sup>	0.664	0.877	0.753	0.735	0.724	0.620	0.576	0.395	0.485	0.565
5-Year	4.8%	2.3%	3.3%	5.2%	5.2%	1.9%	-1.7%	-2.6%	-1.4%	-2.1%
R <sup>2</sup>	0.704	0.605	0.748	0.784	0.825	0.264	0.285	0.643	0.204	0.573

\*Trend is based on an exponential distribution.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

**Average Paid Indemnity Loss per Reported Indemnity Claim**  
As of March 31, 2021

Accident	Evaluated as of (in months):									
Year	3	15	27	39	51	63	75	87	99	111
1996										15,158
1997									16,946	17,300
1998								18,141	18,647	19,081
1999							18,895	19,712	20,320	20,787
2000						18,651	19,998	20,831	21,528	22,000
2001					18,450	20,560	22,043	23,050	23,753	24,283
2002				14,507	17,706	19,742	21,038	21,949	22,572	22,996
2003			9,563	14,496	17,601	19,531	20,821	21,653	22,306	22,892
2004		3,750	8,024	11,654	13,892	15,310	16,345	17,095	17,819	18,433
2005	839	3,464	7,307	10,230	12,272	13,522	14,504	15,316	16,058	16,678
2006	779	3,670	7,846	11,079	13,201	14,782	16,038	17,038	17,793	18,361
2007	892	3,878	8,401	11,910	14,340	16,115	17,446	18,491	19,256	19,851
2008	915	4,249	9,105	13,122	16,047	18,097	19,543	20,561	21,331	21,832
2009	931	4,235	9,263	13,545	16,622	18,781	20,308	21,390	22,201	22,838
2010	898	4,166	9,130	13,449	16,517	18,533	19,947	20,968	21,700	22,222
2011	966	4,228	9,365	13,499	16,362	18,288	19,635	20,631	21,396	21,881
2012	952	4,306	9,344	13,437	16,144	18,036	19,345	20,230	20,842	21,270
2013	956	4,292	9,306	13,470	16,248	17,968	19,073	19,770	20,303	
2014	922	4,312	9,516	14,011	16,887	18,660	19,795	20,430		
2015	956	4,424	9,929	14,421	17,250	18,923	19,874			
2016	962	4,609	10,066	14,415	17,033	18,445				
2017	959	4,669	10,259	14,525	16,916					
2018	1,053	4,968	10,665	14,835						
2019	1,101	5,143	10,963							
2020	1,273	5,481								
2021	1,282									

Accident	Annual Change									
Year	3	15	27	39	51	63	75	87	99	111
1997										14.1%
1998									10.0%	10.3%
1999								8.7%	9.0%	8.9%
2000							5.8%	5.7%	5.9%	5.8%
2001						10.2%	10.2%	10.7%	10.3%	10.4%
2002					-4.0%	-4.0%	-4.6%	-4.8%	-5.0%	-5.3%
2003				-0.1%	-0.6%	-1.1%	-1.0%	-1.3%	-1.2%	-0.4%
2004			-16.1%	-19.6%	-21.1%	-21.6%	-21.5%	-21.1%	-20.1%	-19.5%
2005		-7.6%	-8.9%	-12.2%	-11.7%	-11.7%	-11.3%	-10.4%	-9.9%	-9.5%
2006	-7.1%	5.9%	7.4%	8.3%	7.6%	9.3%	10.6%	11.2%	10.8%	10.1%
2007	14.5%	5.7%	7.1%	7.5%	8.6%	9.0%	8.8%	8.5%	8.2%	8.1%
2008	2.6%	9.6%	8.4%	10.2%	11.9%	12.3%	12.0%	11.2%	10.8%	10.0%
2009	1.7%	-0.3%	1.7%	3.2%	3.6%	3.8%	3.9%	4.0%	4.1%	4.6%
2010	-3.5%	-1.6%	-1.4%	-0.7%	-0.6%	-1.3%	-1.8%	-2.0%	-2.3%	-2.7%
2011	7.5%	1.5%	2.6%	0.4%	-0.9%	-1.3%	-1.6%	-1.6%	-1.4%	-1.5%
2012	-1.4%	1.8%	-0.2%	-0.5%	-1.3%	-1.4%	-1.5%	-1.9%	-2.6%	-2.8%
2013	0.4%	-0.3%	-0.4%	0.2%	0.6%	-0.4%	-1.4%	-2.3%	-2.6%	
2014	-3.6%	0.5%	2.3%	4.0%	3.9%	3.9%	3.8%	3.3%		
2015	3.6%	2.6%	4.3%	2.9%	2.1%	1.4%	0.4%			
2016	0.7%	4.2%	1.4%	0.0%	-1.3%	-2.5%				
2017	-0.4%	1.3%	1.9%	0.8%	-0.7%					
2018	9.8%	6.4%	4.0%	2.1%						
2019	4.5%	3.5%	2.8%							
2020	15.6%	6.6%								
2021	0.7%									

Annual Trend*										
All-Year	2.2%	2.3%	1.8%	1.1%	0.5%	0.2%	0.1%	0.1%	0.5%	1.1%
R <sup>2</sup>	0.760	0.892	0.680	0.275	0.045	0.007	0.001	0.005	0.042	0.166
5-Year	8.0%	4.5%	2.6%	1.2%	0.9%	1.0%	0.5%	-0.9%	-2.2%	-0.9%
R <sup>2</sup>	0.947	0.967	0.968	0.880	0.396	0.479	0.192	0.462	0.990	0.331

\*Trend is based on an exponential distribution.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

**Average Paid Medical Loss per Indemnity Claim**  
As of March 31, 2021

Accident	Evaluated as of (in months):									
Year	3	15	27	39	51	63	75	87	99	111
2003										22,503
2004									19,633	20,666
2005								19,129	20,502	21,663
2006							20,178	21,760	23,116	24,125
2007						20,483	22,650	24,589	25,921	26,921
2008					19,855	22,845	25,233	26,998	28,290	29,247
2009				17,071	21,209	24,555	26,967	28,648	29,887	30,802
2010			12,002	17,271	21,630	24,599	26,736	28,389	29,518	30,334
2011		5,616	11,441	16,440	20,201	22,908	24,914	26,350	27,379	28,123
2012	789	5,598	11,063	15,633	18,967	21,429	23,086	24,295	25,182	25,754
2013	850	5,451	10,601	14,844	18,017	20,048	21,467	22,401	22,995	
2014	967	5,314	10,290	14,541	17,500	19,425	20,790	21,610		
2015	1,031	5,201	10,325	14,333	17,176	18,911	20,013			
2016	933	5,511	10,387	14,156	16,703	18,228				
2017	1,213	5,713	10,692	14,379	16,664					
2018	1,169	5,935	11,079	14,867						
2019	1,238	5,768	10,779							
2020	1,346	5,677								
2021	1,047									

Accident	Annual Change									
Year	3	15	27	39	51	63	75	87	99	111
2004										-8.2%
2005									4.4%	4.8%
2006								13.8%	12.8%	11.4%
2007							12.3%	13.0%	12.1%	11.6%
2008						11.5%	11.4%	9.8%	9.1%	8.6%
2009					6.8%	7.5%	6.9%	6.1%	5.6%	5.3%
2010**				1.2%	2.0%	0.2%	-0.9%	-0.9%	-1.2%	-1.5%
2011**			-4.7%	-4.8%	-6.6%	-6.9%	-6.8%	-7.2%	-7.2%	-7.3%
2012		-0.3%	-3.3%	-4.9%	-6.1%	-6.5%	-7.3%	-7.8%	-8.0%	-8.4%
2013	7.7%	-2.6%	-4.2%	-5.0%	-5.0%	-6.4%	-7.0%	-7.8%	-8.7%	
2014	13.9%	-2.5%	-2.9%	-2.0%	-2.9%	-3.1%	-3.2%	-3.5%		
2015	6.6%	-2.1%	0.3%	-1.4%	-1.9%	-2.6%	-3.7%			
2016	-9.5%	6.0%	0.6%	-1.2%	-2.8%	-3.6%				
2017	30.0%	3.7%	2.9%	1.6%	-0.2%					
2018	-3.7%	3.9%	3.6%	3.4%						
2019	5.9%	-2.8%	-2.7%							
2020	8.6%	-1.6%								
2021	-22.2%									

Annual Trend*										
All-Year	4.7%	0.6%	-0.9%	-2.1%	-2.9%	-2.5%	-1.2%	0.7%	2.5%	3.6%
R <sup>2</sup>	0.658	0.222	0.281	0.754	0.842	0.524	0.108	0.026	0.268	0.563
5-Year	-1.5%	0.7%	1.5%	0.5%	-2.0%	-3.7%	-5.3%	-6.8%	-6.6%	-3.4%
R <sup>2</sup>	0.072	0.166	0.686	0.166	0.952	0.967	0.965	0.986	0.953	0.582

\*Trend is based on an exponential distribution.

\*\*Entries for accident years 2010 and 2011 only reflect the paid cost of medical cost containment programs attributable to policies with effective dates prior to July 1, 2010. Entries for accident years 2012 and subsequent exclude the paid cost of medical cost containment programs.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.



**Average Paid Medical Loss per Claim\*\***  
As of March 31, 2021

Accident Year	Evaluated as of (in months):									
	3	15	27	39	51	63	75	87	99	111
2000										7,001
2001									7,962	8,266
2002								8,069	8,421	8,711
2003							7,340	7,747	8,112	8,431
2004						5,494	5,961	6,355	6,708	7,035
2005					4,699	5,269	5,743	6,121	6,523	6,861
2006				4,365	5,192	5,842	6,391	6,849	7,242	7,535
2007			3,698	4,947	5,927	6,681	7,330	7,906	8,304	8,611
2008		2,369	4,140	5,564	6,741	7,677	8,422	8,975	9,387	9,691
2009	508	2,564	4,591	6,293	7,699	8,829	9,650	10,228	10,647	10,954
2010	527	2,624	4,747	6,634	8,180	9,240	10,013	10,596	10,998	11,281
2011	523	2,455	4,674	6,530	7,925	8,941	9,677	10,207	10,583	10,855
2012	470	2,461	4,599	6,334	7,605	8,533	9,158	9,609	9,939	10,150
2013	494	2,471	4,544	6,213	7,440	8,235	8,777	9,140	9,371	
2014	531	2,440	4,448	6,091	7,231	7,966	8,482	8,791		
2015	555	2,418	4,487	6,035	7,120	7,784	8,208			
2016	532	2,556	4,547	6,019	7,001	7,588				
2017	641	2,568	4,511	5,899	6,754					
2018	621	2,664	4,708	6,154						
2019	666	2,639	4,644							
2020	682	2,619								
2021	644									

Accident Year	Annual Change									
	3	15	27	39	51	63	75	87	99	111
2001										18.1%
2002									5.8%	5.4%
2003								-4.0%	-3.7%	-3.2%
2004							-18.8%	-18.0%	-17.3%	-16.6%
2005						-4.1%	-3.6%	-3.7%	-2.8%	-2.5%
2006					10.5%	10.9%	11.3%	11.9%	11.0%	9.8%
2007				13.3%	14.2%	14.4%	14.7%	15.4%	14.7%	14.3%
2008			11.9%	12.5%	13.7%	14.9%	14.9%	13.5%	13.0%	12.6%
2009		8.2%	10.9%	13.1%	14.2%	15.0%	14.6%	14.0%	13.4%	13.0%
2010	3.6%	2.3%	3.4%	5.4%	6.3%	4.7%	3.8%	3.6%	3.3%	3.0%
2011	-0.8%	-6.4%	-1.5%	-1.6%	-3.1%	-3.2%	-3.4%	-3.7%	-3.8%	-3.8%
2012	-10.2%	0.3%	-1.6%	-3.0%	-4.0%	-4.6%	-5.4%	-5.9%	-6.1%	-6.5%
2013	5.3%	0.4%	-1.2%	-1.9%	-2.2%	-3.5%	-4.2%	-4.9%	-5.7%	
2014	7.4%	-1.3%	-2.1%	-2.0%	-2.8%	-3.3%	-3.4%	-3.8%		
2015	4.6%	-0.9%	0.9%	-0.9%	-1.5%	-2.3%	-3.2%			
2016	-4.2%	5.7%	1.3%	-0.3%	-1.7%	-2.5%				
2017	20.5%	0.4%	-0.8%	-2.0%	-3.5%					
2018	-3.1%	3.8%	4.4%	4.3%						
2019	7.2%	-0.9%	-1.3%							
2020	2.4%	-0.8%								
2021	-5.6%									

Annual Trend*										
All-Year	2.8%	0.5%	0.9%	1.6%	2.5%	3.3%	3.3%	3.2%	3.1%	3.5%
R <sup>2</sup>	0.748	0.315	0.294	0.282	0.335	0.459	0.465	0.447	0.473	0.573
5-Year	1.0%	0.8%	1.0%	0.0%	-2.2%	-2.9%	-4.0%	-4.7%	-3.5%	0.8%
R <sup>2</sup>	0.201	0.462	0.650	0.001	0.977	0.991	0.987	0.994	0.778	0.045

\*Trend is based on an exponential distribution.

\*\*All entries reflect the paid cost of medical cost containment programs.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

**Average Paid Indemnity Loss per Closed Indemnity Claim\*\***  
As of March 31, 2021

Accident	Evaluated as of (in months):									
Year	3	15	27	39	51	63	75	87	99	111
1996										13,378
1997									14,737	15,202
1998								15,433	16,196	16,781
1999							15,887	16,972	17,731	18,481
2000						14,875	16,790	17,853	18,706	19,436
2001					13,599	16,488	17,802	19,139	20,151	20,917
2002				9,248	13,650	15,638	17,213	18,531	19,465	19,982
2003			4,637	10,605	13,336	15,659	17,252	18,319	18,958	19,657
2004		1,729	4,680	7,673	10,435	12,246	13,499	14,230	14,982	15,760
2005	526	1,637	3,474	6,429	9,006	10,578	11,659	12,520	13,404	14,445
2006	648	1,696	3,961	7,073	9,643	11,426	12,764	14,021	15,224	16,100
2007	888	1,628	4,326	7,582	10,200	12,160	13,863	15,391	16,505	17,470
2008	535	1,946	4,727	8,354	11,353	13,784	15,998	17,416	18,660	19,551
2009	577	1,971	4,919	8,706	12,000	14,866	16,873	18,573	19,756	20,704
2010	581	1,934	4,978	8,881	12,485	15,113	17,150	18,667	19,770	20,558
2011	563	2,159	5,366	9,453	12,848	15,475	17,249	18,622	19,727	20,447
2012	595	2,239	5,882	9,949	13,152	15,451	17,183	18,432	19,363	19,994
2013	570	2,593	6,264	10,391	13,529	15,718	17,232	18,258	18,986	
2014	656	2,662	6,646	11,027	14,355	16,584	18,042	18,978		
2015	711	2,965	7,263	11,719	14,992	17,025	18,249			
2016	697	3,215	7,612	11,875	14,920	16,611				
2017	714	3,297	7,683	11,845	14,661					
2018	788	3,551	8,165	12,171						
2019	855	3,846	8,087							
2020	942	3,889								
2021	1,037									

Accident	Annual Change									
Year	3	15	27	39	51	63	75	87	99	111
1997										13.6%
1998									9.9%	10.4%
1999								10.0%	9.5%	10.1%
2000							5.7%	5.2%	5.5%	5.2%
2001						10.8%	6.0%	7.2%	7.7%	7.6%
2002					0.4%	-5.2%	-3.3%	-3.2%	-3.4%	-4.5%
2003				14.7%	-2.3%	0.1%	0.2%	-1.1%	-2.6%	-1.6%
2004			0.9%	-27.6%	-21.7%	-21.8%	-21.8%	-22.3%	-21.0%	-19.8%
2005		-5.3%	-25.8%	-16.2%	-13.7%	-13.6%	-13.6%	-12.0%	-10.5%	-8.3%
2006	23.1%	3.6%	14.0%	10.0%	7.1%	8.0%	9.5%	12.0%	13.6%	11.5%
2007	37.2%	-4.0%	9.2%	7.2%	5.8%	6.4%	8.6%	9.8%	8.4%	8.5%
2008	-39.8%	19.5%	9.3%	10.2%	11.3%	13.4%	15.4%	13.2%	13.1%	11.9%
2009	8.0%	1.3%	4.0%	4.2%	5.7%	7.8%	5.5%	6.6%	5.9%	5.9%
2010	0.7%	-1.9%	1.2%	2.0%	4.0%	1.7%	1.6%	0.5%	0.1%	-0.7%
2011	-3.1%	11.6%	7.8%	6.4%	2.9%	2.4%	0.6%	-0.2%	-0.2%	-0.5%
2012	5.6%	3.7%	9.6%	5.2%	2.4%	-0.2%	-0.4%	-1.0%	-1.8%	-2.2%
2013	-4.3%	15.8%	6.5%	4.4%	2.9%	1.7%	0.3%	-0.9%	-1.9%	
2014	15.1%	2.7%	6.1%	6.1%	6.1%	5.5%	4.7%	3.9%		
2015	8.4%	11.4%	9.3%	6.3%	4.4%	2.7%	1.1%			
2016	-2.0%	8.4%	4.8%	1.3%	-0.5%	-2.4%				
2017	2.5%	2.6%	0.9%	-0.3%	-1.7%					
2018	10.4%	7.7%	6.3%	2.7%						
2019	8.4%	8.3%	-1.0%							
2020	10.3%	1.1%								
2021	10.1%									

Annual Trend*										
All-Year	2.9%	6.2%	5.1%	2.9%	1.6%	1.1%	0.8%	0.7%	0.9%	1.4%
R <sup>2</sup>	0.483	0.962	0.880	0.552	0.272	0.140	0.083	0.079	0.131	0.259
5-Year	9.7%	5.5%	2.9%	2.1%	2.0%	2.3%	1.6%	0.1%	-1.0%	0.3%
R <sup>2</sup>	0.999	0.952	0.889	0.798	0.572	0.752	0.778	0.021	0.804	0.047

\*Trend is based on an exponential distribution.

\*\*Paid indemnity losses used in the severity calculations above represent paid indemnity losses on closed claims only.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

**Average Paid Medical Loss per Closed Indemnity Claim\*\*\***  
As of March 31, 2021

Accident Year	Evaluated as of (in months):									
	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
2003										18,236
2004									15,036	16,187
2005								14,105	15,501	17,225
2006							14,626	16,310	18,112	19,456
2007						14,166	16,417	18,886	20,658	22,380
2008					13,113	16,131	19,291	21,436	23,463	24,944
2009				10,381	14,322	18,243	21,094	23,616	25,452	26,945
2010			6,649	10,908	15,412	19,022	21,889	24,296	25,967	27,250
2011		2,664	6,200	10,819	14,877	18,334	21,067	23,146	24,725	25,763
2012	738	2,851	6,641	11,077	14,741	17,714	19,946	21,595	22,865	23,712
2013	694	3,007	6,777	11,047	14,484	17,185	19,063	20,352	21,210	
2014	703	3,028	6,941	11,115	14,573	17,053	18,724	19,737		
2015	861	3,255	7,322	11,424	14,683	16,701	18,047			
2016	704	3,487	7,542	11,397	14,163	15,937				
2017	977	3,592	7,762	11,477	13,987					
2018	1,007	3,761	8,186	12,031						
2019	835	3,910	7,976							
2020	960	3,695								
2021	1,432									

Accident Year	Annual Change									
	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
2004										-11.2%
2005									3.1%	6.4%
2006								15.6%	16.8%	12.9%
2007							12.2%	15.8%	14.1%	15.0%
2008						13.9%	17.5%	13.5%	13.6%	11.5%
2009					9.2%	13.1%	9.3%	10.2%	8.5%	8.0%
2010**				5.1%	7.6%	4.3%	3.8%	2.9%	2.0%	1.1%
2011**			-6.7%	-0.8%	-3.5%	-3.6%	-3.8%	-4.7%	-4.8%	-5.5%
2012		7.0%	7.1%	2.4%	-0.9%	-3.4%	-5.3%	-6.7%	-7.5%	-8.0%
2013	-5.9%	5.5%	2.0%	-0.3%	-1.7%	-3.0%	-4.4%	-5.8%	-7.2%	
2014	1.3%	0.7%	2.4%	0.6%	0.6%	-0.8%	-1.8%	-3.0%		
2015	22.5%	7.5%	5.5%	2.8%	0.7%	-2.1%	-3.6%			
2016	-18.2%	7.1%	3.0%	-0.2%	-3.5%	-4.6%				
2017	38.7%	3.0%	2.9%	0.7%	-1.2%					
2018	3.0%	4.7%	5.5%	4.8%						
2019	-17.1%	4.0%	-2.6%							
2020	15.0%	-5.5%								
2021	49.1%									

Annual Trend*										
All-Year	6.2%	4.2%	2.9%	1.2%	0.1%	0.4%	1.6%	3.4%	5.1%	5.6%
R <sup>2</sup>	0.641	0.935	0.905	0.883	0.006	0.018	0.144	0.347	0.567	0.727
5-Year	7.4%	2.0%	2.6%	1.6%	-1.0%	-2.4%	-3.7%	-5.3%	-4.8%	-1.5%
R <sup>2</sup>	0.319	0.528	0.822	0.801	0.582	0.936	0.970	0.987	0.859	0.164

\*Trend is based on an exponential distribution.

\*\*Entries for accident years 2010 and 2011 only reflect the paid cost of medical cost containment programs attributable to policies with effective dates prior to July 1, 2010. Entries for accident years 2012 and subsequent exclude the paid cost of medical cost containment programs.

\*\*\*Paid medical losses used in the severity calculations above represent paid medical losses on closed indemnity claims only.

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

**Ratio of Incremental Paid Indemnity to Indemnity Claims Open During the Period**  
As of March 31, 2021

Accident Year	Evaluated as of (in months):									
	0-3	3-15	15-27	27-39	39-51	51-63	63-75	75-87	87-99	99-111
1996										7,202
1997									7,087	6,537
1998								8,550	6,554	6,783
1999							9,219	7,519	7,260	6,700
2000						9,263	8,283	6,698	7,219	6,145
2001					10,795	8,061	7,592	6,672	6,020	5,664
2002				10,868	8,640	7,575	6,661	6,237	5,451	4,767
2003			8,902	9,607	8,170	7,183	6,559	5,678	5,739	6,320
2004		3,668	6,644	7,283	6,243	5,693	5,719	5,294	6,390	6,865
2005	839	3,366	6,011	6,246	6,163	5,404	5,572	5,969	6,856	7,106
2006	779	3,586	6,439	7,044	6,540	6,639	7,073	7,207	6,865	6,908
2007	892	3,776	7,039	7,594	7,311	7,312	7,236	7,252	7,325	7,531
2008	915	4,140	7,549	8,430	8,428	7,985	7,571	7,400	7,651	6,652
2009	931	4,136	7,716	8,703	8,439	8,100	8,022	7,792	7,903	8,226
2010	898	4,075	7,674	8,861	8,616	8,193	8,121	8,127	8,113	7,834
2011	966	4,139	7,990	8,635	8,481	8,302	8,151	8,539	9,243	8,347
2012	952	4,221	7,900	8,740	8,409	8,483	8,576	8,472	8,491	8,288
2013	956	4,218	7,765	9,087	8,785	8,328	8,121	7,755	8,623	
2014	922	4,228	8,107	9,858	9,522	9,258	9,157	7,597		
2015	956	4,347	8,551	10,190	10,152	9,879	8,827			
2016	962	4,526	8,711	10,539	10,397	9,205				
2017	959	4,588	9,196	11,096	10,250					
2018	1,053	4,884	9,493	10,813						
2019	1,101	5,058	9,659							
2020	1,273	5,373								
2021	1,282									

Accident Year	Annual Change									
	0-3	3-15	15-27	27-39	39-51	51-63	63-75	75-87	87-99	99-111
1997										-9.2%
1998									-7.5%	3.8%
1999								-12.1%	10.8%	-1.2%
2000							-10.2%	-10.9%	-0.6%	-8.3%
2001						-13.0%	-8.3%	-0.4%	-16.6%	-7.8%
2002					-20.0%	-6.0%	-12.3%	-6.5%	-9.5%	-15.8%
2003				-11.6%	-5.4%	-5.2%	-1.5%	-9.0%	5.3%	32.6%
2004			-25.4%	-24.2%	-23.6%	-20.7%	-12.8%	-6.8%	11.4%	8.6%
2005		-8.2%	-9.5%	-14.2%	-1.3%	-5.1%	-2.6%	12.7%	7.3%	3.5%
2006	-7.1%	6.5%	7.1%	12.8%	6.1%	22.8%	26.9%	20.7%	0.1%	-2.8%
2007	14.5%	5.3%	9.3%	7.8%	11.8%	10.1%	2.3%	0.6%	6.7%	9.0%
2008	2.6%	9.6%	7.3%	11.0%	15.3%	9.2%	4.6%	2.0%	4.4%	-11.7%
2009	1.7%	-0.1%	2.2%	3.2%	0.1%	1.4%	6.0%	5.3%	3.3%	23.7%
2010	-3.5%	-1.5%	-0.5%	1.8%	2.1%	1.1%	1.2%	4.3%	2.7%	-4.8%
2011	7.5%	1.6%	4.1%	-2.6%	-1.6%	1.3%	0.4%	5.1%	13.9%	6.5%
2012	-1.4%	2.0%	-1.1%	1.2%	-0.9%	2.2%	5.2%	-0.8%	-8.1%	-0.7%
2013	0.4%	-0.1%	-1.7%	4.0%	4.5%	-1.8%	-5.3%	-8.5%	1.6%	
2014	-3.6%	0.2%	4.4%	8.5%	8.4%	11.2%	12.8%	-2.0%		
2015	3.6%	2.8%	5.5%	3.4%	6.6%	6.7%	-3.6%			
2016	0.7%	4.1%	1.9%	3.4%	2.4%	-6.8%				
2017	-0.4%	1.4%	5.6%	5.3%	-1.4%					
2018	9.8%	6.4%	3.2%	-2.6%						
2019	4.5%	3.6%	1.8%							
2020	15.6%	6.2%								
2021	0.7%									

Annual Trend*										
All-Year	2.2%	2.3%	2.0%	1.9%	1.7%	1.7%	1.2%	1.2%	2.0%	1.7%
R <sup>2</sup>	0.760	0.899	0.571	0.320	0.240	0.255	0.154	0.168	0.475	0.340
5-Year	8.0%	4.5%	3.4%	2.7%	4.0%	3.4%	2.3%	-2.3%	2.2%	4.6%
R <sup>2</sup>	0.947	0.970	0.968	0.829	0.804	0.573	0.474	0.494	0.331	0.568

\*Trend is based on an exponential distribution.

Source: WCIRB quarterly calls for experience

**Ratio of Incremental Paid Medical to Indemnity Claims Open During the Period\*\***  
As of March 31, 2021

Accident Year	Evaluated as of (in months):									
	0-3	3-15	15-27	27-39	39-51	51-63	63-75	75-87	87-99	99-111
2003										10,147
2004									10,070	11,597
2005								9,382	12,668	13,338
2006							10,622	11,376	12,297	12,221
2007						10,300	11,713	13,428	12,737	12,529
2008					10,773	11,597	12,405	12,731	12,694	12,506
2009				10,198	11,324	12,474	12,589	12,016	12,025	11,802
2010			9,100	10,846	12,195	12,007	12,196	13,084	12,468	12,237
2011		5,544	9,169	10,446	11,102	11,585	12,089	12,269	12,432	12,760
2012	789	5,547	8,712	9,791	10,324	10,999	10,832	11,545	12,264	11,056
2013	850	5,403	8,113	9,323	10,020	9,817	10,395	10,321	9,613	
2014	967	5,233	7,928	9,374	9,801	10,037	10,976	9,795		
2015	1,031	5,121	8,100	9,142	10,203	10,233	10,172			
2016	933	5,440	7,972	9,207	10,118	9,915				
2017	1,213	5,608	8,385	9,668	9,807					
2018	1,169	5,847	8,760	9,872						
2019	1,238	5,672	8,479							
2020	1,346	5,562								
2021	1,047									

Accident Year	Annual Change									
	0-3	3-15	15-27	27-39	39-51	51-63	63-75	75-87	87-99	99-111
2004										14.3%
2005									25.8%	15.0%
2006								21.3%	-2.9%	-8.4%
2007							10.3%	18.0%	3.6%	2.5%
2008						12.6%	5.9%	-5.2%	-0.3%	-0.2%
2009					5.1%	7.6%	1.5%	-5.6%	-5.3%	-5.6%
2010**				6.4%	7.7%	-3.7%	-3.1%	8.9%	3.7%	3.7%
2011**			0.8%	-3.7%	-9.0%	-3.5%	-0.9%	-6.2%	-0.3%	4.3%
2012		0.1%	-5.0%	-6.3%	-7.0%	-5.1%	-10.4%	-5.9%	-1.4%	-13.3%
2013	7.7%	-2.6%	-6.9%	-4.8%	-2.9%	-10.7%	-4.0%	-10.6%	-21.6%	
2014	13.9%	-3.2%	-2.3%	0.5%	-2.2%	2.2%	5.6%	-5.1%		
2015	6.6%	-2.1%	2.2%	-2.5%	4.1%	1.9%	-7.3%			
2016	-9.5%	6.2%	-1.6%	0.7%	-0.8%	-3.1%				
2017	30.0%	3.1%	5.2%	5.0%	-3.1%					
2018	-3.7%	4.3%	4.5%	2.1%						
2019	5.9%	-3.0%	-3.2%							
2020	8.6%	-1.9%								
2021	-22.2%									

Annual Trend*										
All-Year	4.7%	0.5%	-0.7%	-1.2%	-1.8%	-1.8%	-1.3%	-0.6%	-0.4%	0.5%
R <sup>2</sup>	0.658	0.164	0.166	0.385	0.568	0.385	0.258	0.026	0.016	0.045
5-Year	-1.5%	0.6%	1.9%	1.6%	-0.1%	-1.6%	-3.3%	-7.2%	-4.5%	-1.7%
R <sup>2</sup>	0.072	0.110	0.615	0.595	0.009	0.335	0.619	0.987	0.437	0.223

\*Trend is based on an exponential distribution.

\*\*Entries for accident years 2010 and 2011 only reflect the paid cost of medical cost containment programs attributable to policies with effective dates prior to July 1, 2010. Entries for accident years 2012 and subsequent exclude the paid cost of medical cost containment programs.

Source: WCIRB quarterly calls for experience

Ratio of Quarterly Paid Medical to Indemnity Claims Inventory\*  
Through March 31, 2021

Development Period	Evaluation Years									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
3/0	1,396	1,403	1,511	1,675	1,582	1,938	1,951	2,085	2,055	1,410
6/3	2,661	2,690	2,572	2,885	2,869	3,088	3,196	2,993	2,929	
9/6	2,803	2,930	2,768	2,765	2,920	3,019	3,305	2,997	2,663	
12/9	2,900	2,700	2,672	2,638	2,875	3,064	3,178	3,198	2,820	
<b>12/0</b>	<b>5,466</b>	<b>5,414</b>	<b>5,294</b>	<b>5,382</b>	<b>5,662</b>	<b>5,984</b>	<b>6,236</b>	<b>5,970</b>	<b>5,192</b>	
<b>12/0 (Excl COVID)</b>									<b>5,326</b>	
15/12	3,005	2,942	2,752	2,811	2,817	3,090	3,145	3,238	3,144	2,908
18/15	2,903	2,843	2,535	2,542	2,705	2,781	2,874	2,875	2,693	
21/18	2,713	2,626	2,537	2,525	2,555	2,544	2,705	2,811	2,638	
24/21	2,783	2,658	2,473	2,449	2,567	2,638	2,689	2,987	2,765	
<b>24/12</b>	<b>9,250</b>	<b>8,930</b>	<b>8,335</b>	<b>8,302</b>	<b>8,473</b>	<b>8,654</b>	<b>8,881</b>	<b>9,213</b>	<b>8,838</b>	
27/24	2,689	2,775	2,620	2,526	2,548	2,669	2,614	2,879	2,881	2,793
30/27	2,948	2,924	2,777	2,762	2,814	2,816	2,876	2,887	2,704	
33/30	3,041	2,970	2,933	2,742	2,763	2,723	2,919	2,981	3,027	
36/33	3,370	3,093	2,883	2,851	2,874	2,861	2,885	3,083	3,149	
<b>36/24</b>	<b>10,497</b>	<b>10,198</b>	<b>9,635</b>	<b>9,277</b>	<b>9,299</b>	<b>9,211</b>	<b>9,275</b>	<b>9,652</b>	<b>9,748</b>	
39/36	3,019	3,217	2,973	3,011	2,796	2,849	2,927	2,921	3,079	3,002
42/39	3,124	3,488	3,255	3,108	2,896	3,080	3,274	3,016	2,716	
45/42	3,246	3,387	3,477	3,117	3,011	2,817	3,055	3,091	3,056	
48/45	3,411	3,579	3,226	3,027	3,236	2,965	3,208	3,302	3,076	
<b>48/36</b>	<b>11,224</b>	<b>11,867</b>	<b>11,148</b>	<b>10,535</b>	<b>10,060</b>	<b>9,842</b>	<b>10,305</b>	<b>10,033</b>	<b>9,949</b>	

Development Period	Year-to-Year Change									
	11-to-12	12-to-13	13-to-14	14-to-15	15-to-16	16-to-17	17-to-18	18-to-19	19-to-20	20-to-21
3/0	-11.4%	0.5%	7.7%	10.9%	-5.5%	22.5%	0.7%	6.9%	-1.5%	-31.4%
6/3	-7.0%	1.1%	-4.4%	12.2%	-0.5%	7.7%	3.5%	-6.4%	-2.1%	
9/6	0.4%	4.5%	-5.6%	-0.1%	5.6%	3.4%	9.5%	-9.3%	-11.2%	
12/9	5.3%	-6.9%	-1.0%	-1.3%	9.0%	6.6%	3.7%	0.6%	-11.8%	
<b>12/0</b>	<b>-0.3%</b>	<b>-1.0%</b>	<b>-2.2%</b>	<b>1.7%</b>	<b>5.2%</b>	<b>5.7%</b>	<b>4.2%</b>	<b>-4.3%</b>	<b>-13.0%</b>	
<b>12/0 (Excl COVID)</b>										
15/12	-3.3%	-2.1%	-6.5%	2.1%	0.2%	9.7%	1.8%	3.0%	-2.9%	-7.5%
18/15	0.0%	-2.1%	-10.8%	0.3%	6.4%	2.8%	3.4%	0.0%	-6.3%	
21/18	-1.2%	-3.2%	-3.4%	-0.5%	1.2%	-0.4%	6.3%	3.9%	-6.2%	
24/21	3.4%	-4.5%	-6.9%	-1.0%	4.8%	2.8%	1.9%	11.1%	-7.4%	
<b>24/12</b>	<b>-1.5%</b>	<b>-3.5%</b>	<b>-6.7%</b>	<b>-0.4%</b>	<b>2.1%</b>	<b>2.1%</b>	<b>2.6%</b>	<b>3.7%</b>	<b>-4.1%</b>	
27/24	4.9%	3.2%	-5.6%	-3.6%	0.9%	4.8%	-2.1%	10.1%	0.1%	-3.0%
30/27	3.2%	-0.8%	-5.0%	-0.5%	1.9%	0.1%	2.1%	0.4%	-6.3%	
33/30	4.4%	-2.3%	-1.2%	-6.5%	0.8%	-1.4%	7.2%	2.1%	1.6%	
36/33	16.6%	-8.2%	-6.8%	-1.1%	0.8%	-0.5%	0.9%	6.8%	2.1%	
<b>36/24</b>	<b>6.5%</b>	<b>-2.9%</b>	<b>-5.5%</b>	<b>-3.7%</b>	<b>0.2%</b>	<b>-1.0%</b>	<b>0.7%</b>	<b>4.1%</b>	<b>1.0%</b>	
39/36	12.6%	6.6%	-7.6%	1.3%	-7.1%	1.9%	2.7%	-0.2%	5.4%	-2.5%
42/39	6.1%	11.7%	-6.7%	-4.5%	-6.8%	6.3%	6.3%	-7.9%	-9.9%	
45/42	5.3%	4.4%	2.7%	-10.4%	-3.4%	-6.4%	8.5%	1.1%	-1.1%	
48/45	11.0%	4.9%	-9.9%	-6.2%	6.9%	-8.4%	8.2%	2.9%	-6.9%	
<b>48/36</b>	<b>8.8%</b>	<b>5.7%</b>	<b>-6.1%</b>	<b>-5.5%</b>	<b>-4.5%</b>	<b>-2.2%</b>	<b>4.7%</b>	<b>-2.6%</b>	<b>-0.8%</b>	

\* Indemnity claim inventory is the sum of indemnity claims open at the beginning of the development period and newly-reported indemnity claims during that period.

Source: WCIRB accident year experience calls.

**Average and Median Indemnity Claim Severities at USR 1st Report Level**

Policy Year	Average Incurred Indemnity Severity	Annual Change	Median Incurred Indemnity Severity	Annual Change
1999	11,132	---	2,953	---
2000	12,408	11.5%	3,640	23.3%
2001	13,468	8.5%	4,320	18.7%
2002	13,985	3.8%	4,930	14.1%
2003	13,905	-0.6%	5,000	1.4%
2004	11,397	-18.0%	4,100	-18.0%
2005	9,945	-12.7%	3,400	-17.1%
2006	10,643	7.0%	3,520	3.5%
2007	11,291	6.1%	3,966	12.7%
2008	11,947	5.8%	4,402	11.0%
2009	12,136	1.6%	4,717	7.2%
2010	11,976	-1.3%	4,791	1.6%
2011	12,514	4.5%	5,000	4.4%
2012	12,304	-1.7%	5,000	0.0%
2013	12,577	2.2%	5,250	5.0%
2014	13,008	3.4%	5,274	0.5%
2015	13,314	2.4%	5,330	1.1%
2016	13,527	1.6%	5,417	1.6%
2017	14,115	4.3%	5,310	-2.0%
2018	14,582	3.3%	5,600	5.5%

Policy Year	Average Incurred Medical Severity	Annual Change	Median Incurred Medical Severity	Annual Change
1999	10,243	---	4,809	---
2000	11,934	16.5%	5,600	16.4%
2001	13,853	16.1%	6,989	24.8%
2002	15,151	9.4%	7,797	11.6%
2003	14,501	-4.3%	7,575	-2.8%
2004	13,129	-9.5%	6,750	-10.9%
2005	13,457	2.5%	6,331	-6.2%
2006	14,791	9.9%	6,924	9.4%
2007	16,095	8.8%	7,942	14.7%
2008	17,273	7.3%	9,000	13.3%
2009	17,828	3.2%	9,723	8.0%
2010	17,676	-0.9%	9,409	-3.2%
2011	17,894	1.2%	9,388	-0.2%
2012	17,640	-1.4%	9,500	1.2%
2013	17,046	-3.4%	9,477	-0.2%
2014	17,032	-0.1%	9,241	-2.5%
2015	16,749	-1.7%	9,347	1.1%
2016	17,462	4.3%	9,157	-2.0%
2017	18,015	3.2%	8,997	-1.7%
2018	17,445	-3.2%	9,079	0.9%

Source: WCIRB Unit Statistical Data

**Changes in the Number of Weeks of Temporary Disability Benefits  
On Open Claims**

First Survey Level

Accident Year	Average TD Duration	Change	Median TD Duration	Change
2004	51.4	-----	39.2	-----
2005	56.7	10.3%	46.5	18.5%
2006	59.0	4.2%	49.6	6.8%
2007	63.1	6.9%	56.2	13.3%
2008	67.4	6.8%	63.4	12.8%
2009	64.8	-3.8%	58.5	-7.7%
2010	61.7	-4.7%	55.0	-6.1%
2011	59.6	-3.6%	48.8	-11.2%
2012	58.7	-1.4%	49.6	1.6%
2013	56.0	-4.6%	49.5	0.0%
2014	55.9	-0.2%	50.3	1.6%
2015	47.3	-15.3%	42.7	-15.1%
2016	46.4	-2.1%	39.0	-8.6%
2017	50.0	7.9%	43.5	11.6%
2018	51.8	3.5%	46.5	6.9%

Second Survey Level

Accident Year	Average TD Duration	Change	Median TD Duration	Change
2003	54.5	-----	43.3	-----
2004	51.9	-4.7%	41.8	-3.5%
2005	57.1	9.9%	50.4	20.8%
2006	58.6	2.6%	51.2	1.4%
2007	64.0	9.2%	58.4	14.1%
2008	69.2	8.2%	66.7	14.4%
2009	66.2	-4.3%	61.9	-7.3%
2010	60.8	-8.2%	56.0	-9.5%
2011	62.4	2.5%	52.8	-5.7%
2012	58.1	-6.8%	52.0	-1.5%
2013	59.4	2.3%	52.8	1.5%
2014	54.7	-7.9%	51.6	-2.2%
2015	52.6	-3.9%	46.5	-9.9%
2016	53.4	1.6%	52.5	12.9%

Source: WCIRB Permanent Disability Claim Survey  
Data is recast from survey proportions to true proportions.



Self-Insured Employers - Claim Severity

Private Self-Insured Employers					
CY	Medical Paid	Indemnity Cases Open During Year	Paid Medical on Open Ind Claims	Annual Change	
2001	655,349,356	128,723	5,091	---	
2002	789,748,542	129,147	6,115	20.1%	
2003	930,788,004	130,323	7,142	16.8%	
2004	802,856,921	132,488	6,060	-15.2%	
2005	688,918,290	124,757	5,522	-8.9%	
2006	800,826,010	115,054	6,960	26.0%	
2007	676,050,168	105,671	6,398	-8.1%	
2008	733,149,220	102,990	7,119	11.3%	
2009	761,740,423	98,642	7,722	8.5%	
2010	760,504,505	97,135	7,829	1.4%	
2011	758,672,255	95,946	7,907	1.0%	
2012	752,732,652	94,591	7,958	0.6%	
2013	814,214,051	95,263	8,547	7.4%	
2014	918,409,257	93,850	9,786	14.5%	
2015	786,278,830	90,382	8,700	-11.1%	
2016	787,771,330	85,563	9,207	5.8%	
2017	765,002,435	81,842	9,347	1.5%	
2018	750,749,175	78,826	9,524	1.9%	
2019	725,360,934	76,675	9,460	-0.7%	

Public Self-Insured Employers					
FY	Medical Paid	Indemnity Cases Open During Year	Paid Medical on Open Ind Claims	Annual Change	
2000/2001	603,567,334	148,040	4,077	---	
2001/2002	736,531,748	153,231	4,807	17.9%	
2002/2003	872,925,555	166,835	5,232	8.9%	
2003/2004	932,492,476	176,127	5,294	1.2%	
2004/2005	777,579,644	171,938	4,522	-14.6%	
2005/2006	768,887,952	163,511	4,702	4.0%	
2006/2007	779,028,256	159,524	4,883	3.9%	
2007/2008	887,316,859	173,348	5,119	4.8%	
2008/2009	949,449,769	170,751	5,560	8.6%	
2009/2010	978,954,150	171,444	5,710	2.7%	
2010/2011	1,043,538,851	173,585	6,012	5.3%	
2011/2012	1,073,241,078	177,309	6,053	0.7%	
2012/2013	1,045,517,623	179,375	5,829	-3.7%	
2013/2014	1,086,439,359	178,788	6,077	4.3%	
2014/2015	1,102,863,683	181,993	6,060	-0.3%	
2015/2016	1,097,857,099	180,467	6,083	0.4%	
2016/2017	1,046,637,539	178,746	5,855	-3.7%	
2017/2018	1,119,293,067	180,404	6,204	6.0%	
2018/2019	1,144,059,798	180,892	6,325	1.9%	
2019/2020	1,087,617,896	177,510	6,127	-3.1%	

All Self-Insured Employers					Insured System at 1st Report		
CY	Medical Paid	Indemnity Cases Open During Year	Paid Medical on Open Ind Claims	Annual Change	AY	Paid Medical Severity on Ind Claims	Annual Change
2001	1,325,398,897	279,359	4,744	---	2001	6,203	---
2002	1,594,477,194	289,180	5,514	16.2%	2002	7,255	17.0%
2003	1,833,497,020	301,804	6,075	10.2%	2003	7,203	-0.7%
2004	1,657,892,981	306,521	5,409	-11.0%	2004	5,970	-17.1%
2005	1,462,152,088	292,482	4,999	-7.6%	2005	5,906	-1.1%
2006	1,574,784,114	276,572	5,694	13.9%	2006	6,270	6.2%
2007	1,509,222,726	272,107	5,546	-2.6%	2007	6,922	10.4%
2008	1,651,532,534	275,040	6,005	8.3%	2008	7,605	9.9%
2009	1,725,942,383	269,740	6,399	6.6%	2009	7,925	4.2%
2010	1,771,751,006	269,650	6,571	2.7%	2010	7,946	0.3%
2011	1,817,062,220	271,393	6,695	1.9%	2011	7,462	-6.1%
2012	1,812,112,003	272,933	6,639	-0.8%	2012	7,238	-3.0%
2013	1,880,192,542	274,345	6,853	3.2%	2013	7,085	-2.1%
2014	2,013,060,778	274,241	7,340	7.1%	2014	6,995	-1.3%
2015	1,886,639,221	271,612	6,946	-5.4%	2015	7,036	0.6%
2016	1,860,018,649	265,170	7,014	1.0%	2016	7,293	3.6%
2017	1,847,967,738	261,417	7,069	0.8%	2017	7,549	3.5%
2018	1,882,425,608	259,474	7,255	2.6%	2018	7,795	3.3%
2019	1,841,199,781	255,876	7,196	-0.8%	2019	6,631	-3.4%

Notes: Fiscal Year Public data prorated to CYs 50%/50%.  
Insured System AY 2019 change is based on a comparison of 2019 accidents on 2018 policies to 2018 accidents on 2017 policies.

Sources: California Department of Industrial Relations for self-insured  
WCIRB Unit Statistical Data for insured system

**Annual Changes in Indemnity Severity Attributable to Changes in Hazardousness**

Policy Year	Report Level	Indemnity Claim Severity			Total Claim Severity		
		Change in Severity Hazardousness	Severity Hazardousness Index	Annual % Change Attributable to Change in Industrial Mix	Change in Severity Hazardousness	Severity Hazardousness Index	Annual % Change Attributable to Change in Industrial Mix
1993	5	1.0000	1.0000	---	1.0000	1.0000	---
1994	5	1.0010	1.0010	0.10%	0.9986	0.9986	-0.14%
1995	5	1.0007	1.0017	0.07%	1.0013	0.9998	0.13%
1996	5	0.9988	1.0005	-0.12%	0.9993	0.9991	-0.07%
1997	5	1.0032	1.0036	0.32%	1.0045	1.0036	0.45%
1998	5	1.0037	1.0074	0.37%	1.0050	1.0086	0.50%
1999	5	1.0023	1.0096	0.23%	1.0011	1.0097	0.11%
2000	5	1.0016	1.0112	0.16%	1.0009	1.0107	0.09%
2001	5	1.0031	1.0144	0.31%	1.0001	1.0108	0.01%
2002	5	0.9984	1.0128	-0.16%	0.9996	1.0104	-0.04%
2003	5	1.0042	1.0170	0.42%	1.0071	1.0176	0.71%
2004	5	1.0020	1.0190	0.20%	1.0048	1.0224	0.48%
2005	5	1.0010	1.0201	0.10%	1.0027	1.0252	0.27%
2006	5	0.9965	1.0165	-0.35%	0.9917	1.0167	-0.83%
2007	5	0.9935	1.0098	-0.65%	0.9861	1.0025	-1.39%
2008	5	0.9908	1.0005	-0.92%	0.9845	0.9870	-1.55%
2009	5	0.9884	0.9889	-1.16%	0.9832	0.9704	-1.68%
2010	5	0.9961	0.9851	-0.39%	0.9938	0.9644	-0.62%
2011	5	0.9996	0.9847	-0.04%	1.0014	0.9657	0.14%
2012	5	0.9972	0.9819	-0.28%	0.9978	0.9636	-0.22%
2013	5	1.0012	0.9830	0.12%	1.0030	0.9665	0.30%
2014	5	1.0012	0.9842	0.12%	1.0058	0.9721	0.58%
2015	Proj 5	1.0005	0.9847	0.05%	1.0028	0.9748	0.28%
2016	Proj 5	0.9982	0.9829	-0.18%	0.9970	0.9719	-0.30%
2017	Proj 5	1.0026	0.9854	0.26%	1.0035	0.9753	0.35%
2018	Proj 5	0.9987	0.9842	-0.13%	0.9997	0.9750	-0.03%

Note: Changes in industrial mix are based on indemnity claim severity by collapsed NAICS industrial sector.

Source: WCIRB unit statistical data

Claim Counts and Losses on Claims in Excess of \$250,000

Number of Claims in Excess of \$250,000								
PY/RL	1	2	3	4	5	6	7	8
2005	494	780	1,291	1,917	2,656	3,170	3,503	3,780
2006	670	1,037	1,672	2,397	3,104	3,596	3,977	4,201
2007	666	1,186	2,089	3,010	3,748	4,311	4,630	4,831
2008	645	1,250	2,081	3,048	3,841	4,341	4,638	4,753
2009	599	1,198	2,077	3,040	3,720	4,152	4,365	4,501
2010	574	1,143	1,919	2,760	3,313	3,665	3,847	3,979
2011	638	1,186	1,881	2,598	3,064	3,394	3,551	3,621
2012	654	1,100	1,696	2,209	2,664	2,900	3,004	
2013	705	1,107	1,651	2,173	2,554	2,779		
2014	703	1,122	1,753	2,297	2,630			
2015	682	1,224	1,761	2,312				
2016	831	1,299	1,870					
2017	889	1,445						
2018	957							

% of Indemnity Incurred on Claims in Excess of \$250,000								
PY/RL	1	2	3	4	5	6	7	8
2005	7.94%	8.26%	11.01%	15.02%	19.81%	23.09%	25.56%	27.36%
2006	11.10%	11.43%	14.93%	18.92%	22.70%	25.74%	28.08%	29.88%
2007	10.22%	11.67%	16.30%	20.98%	25.00%	27.60%	29.49%	30.62%
2008	9.44%	11.31%	15.36%	20.41%	24.45%	27.30%	28.92%	30.03%
2009	9.20%	10.53%	15.23%	19.82%	23.66%	26.52%	27.61%	28.66%
2010	9.24%	10.95%	14.07%	18.41%	21.42%	23.12%	24.41%	25.53%
2011	9.57%	10.70%	13.66%	17.41%	19.72%	21.64%	22.99%	23.73%
2012	9.16%	9.81%	12.48%	15.39%	17.89%	19.91%	20.85%	
2013	7.68%	8.81%	11.33%	14.29%	16.57%	18.13%		
2014	8.63%	9.48%	12.40%	15.50%	17.45%			
2015	8.67%	9.85%	12.45%	15.34%				
2016	9.79%	10.88%	14.24%					
2017	11.81%	12.37%						
2018	12.12%							

Average Severity on Claims in Excess of \$250,000								
PY/RL	1	2	3	4	5	6	7	8
2005	741,156	670,089	545,986	501,880	498,450	513,087	526,907	543,767
2006	682,104	628,060	552,930	516,250	503,890	515,598	527,289	538,340
2007	655,711	574,357	507,456	494,666	495,064	501,533	512,337	520,149
2008	617,073	513,454	465,555	454,986	456,508	469,425	477,123	487,706
2009	651,977	527,882	482,000	459,694	465,596	480,379	481,618	486,565
2010	705,610	582,210	500,329	473,943	478,115	475,471	484,037	495,281
2011	691,596	562,900	501,622	480,422	472,919	470,459	476,154	483,294
2012	706,874	585,574	518,213	503,276	488,777	499,520	511,001	
2013	580,296	507,831	478,088	459,247	460,186	467,163		
2014	711,252	596,352	529,882	506,559	505,951			
2015	724,682	600,280	546,805	505,890				
2016	762,708	630,907	569,434					
2017	865,282	671,479						
2018	729,546							

% of Claims in Excess of \$250,000								
PY/RL	1	2	3	4	5	6	7	8
2005	0.109%	0.168%	0.276%	0.409%	0.568%	0.677%	0.748%	0.806%
2006	0.154%	0.234%	0.375%	0.536%	0.692%	0.801%	0.885%	0.935%
2007	0.162%	0.282%	0.495%	0.709%	0.881%	1.012%	1.087%	1.133%
2008	0.183%	0.345%	0.570%	0.832%	1.045%	1.180%	1.259%	1.288%
2009	0.185%	0.361%	0.620%	0.904%	1.103%	1.229%	1.290%	1.329%
2010	0.176%	0.342%	0.569%	0.815%	0.976%	1.078%	1.129%	1.167%
2011	0.195%	0.352%	0.553%	0.760%	0.895%	0.989%	1.034%	1.054%
2012	0.195%	0.318%	0.486%	0.630%	0.758%	0.824%	0.853%	
2013	0.202%	0.309%	0.458%	0.600%	0.703%	0.764%		
2014	0.194%	0.301%	0.467%	0.609%	0.696%			
2015	0.181%	0.317%	0.453%	0.593%				
2016	0.216%	0.330%	0.472%					
2017	0.221%	0.351%						
2018	0.237%							

% of Medical Incurred on Claims in Excess of \$250,000								
PY/RL	1	2	3	4	5	6	7	8
2005	12.89%	15.05%	17.12%	20.71%	26.04%	30.15%	32.76%	35.53%
2006	14.58%	16.42%	19.79%	23.83%	28.08%	31.57%	34.42%	36.04%
2007	13.39%	15.93%	20.76%	26.23%	30.20%	33.72%	35.87%	37.38%
2008	12.97%	15.38%	19.50%	24.78%	29.18%	32.43%	34.48%	35.48%
2009	12.72%	15.56%	20.10%	25.10%	28.91%	31.84%	32.96%	33.77%
2010	13.10%	15.71%	19.12%	23.36%	26.69%	28.54%	29.85%	31.10%
2011	13.62%	15.51%	18.80%	22.56%	24.93%	26.49%	27.38%	28.00%
2012	14.06%	14.99%	17.70%	20.51%	22.77%	24.45%	25.49%	
2013	11.84%	12.41%	15.22%	17.55%	19.79%	21.28%		
2014	14.05%	14.51%	17.43%	20.08%	22.01%			
2015	13.26%	15.66%	18.06%	20.22%				
2016	17.00%	17.36%	19.56%					
2017	19.02%	19.38%						
2018	16.10%							

Median Severity on Claims in Excess of \$250,000								
PY/RL	1	2	3	4	5	6	7	8
2005	382,540	342,943	326,660	331,191	341,796	348,929	361,587	365,877
2006	348,634	340,111	334,032	334,244	342,298	351,765	363,020	364,189
2007	352,798	327,437	327,551	332,666	343,529	354,793	362,889	365,704
2008	360,590	325,004	323,793	328,812	337,870	346,924	352,054	357,019
2009	358,493	325,112	321,223	329,537	338,829	342,589	350,847	352,083
2010	347,534	321,856	320,189	320,796	330,623	337,791	341,213	344,221
2011	347,228	315,977	313,687	320,441	325,198	331,043	336,399	340,009
2012	348,694	326,259	316,946	318,540	321,292	326,908	334,683	
2013	337,549	325,101	324,527	325,000	323,878	327,307		
2014	361,566	336,261	325,991	323,079	326,535			
2015	351,267	323,060	317,941	319,622				
2016	346,328	325,694	322,547					
2017	365,390	324,761						
2018	364,402							

Notes: Incurred Amounts and Severities are first dollar.

Source: WCIRB unit statistical data

Claim Counts and Losses on Claims in Excess of \$500,000

Number of Claims in Excess of \$500,000								
PY/RL	1	2	3	4	5	6	7	8
2005	160	184	238	349	532	704	880	1,003
2006	185	255	344	502	676	848	1,034	1,145
2007	187	260	368	528	740	961	1,136	1,252
2008	176	231	337	523	722	935	1,079	1,164
2009	173	231	332	501	701	837	938	1,022
2010	156	215	309	414	566	697	785	861
2011	174	227	303	432	542	640	724	791
2012	182	230	286	366	452	544	604	
2013	178	207	258	353	449	510		
2014	211	261	332	437	509			
2015	186	250	309	415				
2016	237	288	352					
2017	285	345						
2018	296							

% of Indemnity Incurred on Claims in Excess of \$500,000								
PY/RL	1	2	3	4	5	6	7	8
2005	4.19%	3.65%	4.11%	5.80%	7.96%	9.94%	12.07%	13.55%
2006	5.03%	5.11%	6.36%	7.95%	9.50%	11.64%	13.52%	15.22%
2007	4.83%	5.13%	6.20%	7.79%	10.14%	11.64%	13.36%	14.49%
2008	4.14%	4.30%	5.23%	7.26%	9.12%	11.21%	12.35%	13.52%
2009	4.80%	3.92%	5.30%	6.57%	8.64%	10.54%	11.28%	12.34%
2010	4.82%	4.56%	4.98%	6.30%	7.73%	8.68%	9.78%	10.70%
2011	4.95%	4.48%	4.81%	6.07%	6.87%	7.97%	8.97%	9.80%
2012	4.53%	4.20%	4.70%	5.78%	6.70%	8.13%	8.86%	
2013	2.87%	3.07%	3.60%	4.76%	5.89%	6.84%		
2014	4.37%	4.09%	4.68%	5.96%	6.90%			
2015	4.48%	4.05%	4.74%	5.90%				
2016	4.95%	4.73%	5.97%					
2017	7.24%	6.08%						
2018	7.60%							

Average Severity on Claims in Excess of \$500,000								
PY/RL	1	2	3	4	5	6	7	8
2005	1,587,235	1,778,172	1,525,931	1,290,030	1,165,364	1,133,478	1,088,311	1,111,789
2006	1,605,176	1,556,369	1,426,192	1,226,014	1,124,891	1,102,864	1,068,312	1,075,242
2007	1,493,459	1,469,841	1,356,962	1,271,855	1,151,166	1,074,590	1,045,746	1,036,754
2008	1,373,570	1,359,873	1,196,463	1,073,613	1,000,034	966,836	949,397	956,303
2009	1,443,063	1,385,693	1,322,671	1,128,716	1,042,893	1,065,128	1,016,038	1,001,995
2010	1,718,593	1,710,768	1,434,758	1,330,623	1,210,438	1,097,667	1,083,382	1,089,348
2011	1,667,435	1,596,797	1,454,564	1,276,840	1,162,426	1,090,404	1,050,625	1,032,103
2012	1,688,864	1,591,003	1,499,684	1,418,898	1,305,400	1,257,542	1,236,162	
2013	1,335,571	1,323,943	1,314,553	1,165,114	1,103,391	1,101,036		
2014	1,599,298	1,493,329	1,417,854	1,295,284	1,266,400			
2015	1,777,658	1,693,592	1,613,232	1,360,330				
2016	1,859,683	1,721,075	1,637,611					
2017	2,001,159	1,795,562						
2018	1,622,996							

% of Claims in Excess of \$500,000								
PY/RL	1	2	3	4	5	6	7	8
2005	0.035%	0.040%	0.051%	0.075%	0.114%	0.150%	0.188%	0.214%
2006	0.043%	0.057%	0.077%	0.112%	0.151%	0.189%	0.230%	0.255%
2007	0.045%	0.062%	0.087%	0.124%	0.174%	0.226%	0.267%	0.294%
2008	0.050%	0.064%	0.092%	0.143%	0.196%	0.254%	0.293%	0.316%
2009	0.053%	0.070%	0.099%	0.149%	0.208%	0.248%	0.277%	0.302%
2010	0.048%	0.064%	0.092%	0.122%	0.167%	0.205%	0.230%	0.253%
2011	0.053%	0.067%	0.089%	0.126%	0.158%	0.187%	0.211%	0.230%
2012	0.054%	0.067%	0.082%	0.104%	0.129%	0.155%	0.172%	
2013	0.051%	0.058%	0.072%	0.097%	0.124%	0.140%		
2014	0.058%	0.070%	0.088%	0.116%	0.135%			
2015	0.049%	0.065%	0.080%	0.107%				
2016	0.062%	0.073%	0.089%					
2017	0.071%	0.084%						
2018	0.073%							

% of Medical Incurred on Claims in Excess of \$500,000								
PY/RL	1	2	3	4	5	6	7	8
2005	9.79%	10.49%	9.93%	10.57%	13.13%	15.75%	17.81%	20.14%
2006	10.84%	11.28%	11.59%	12.87%	14.70%	16.83%	18.98%	20.32%
2007	9.61%	9.90%	10.80%	12.97%	14.77%	17.12%	18.89%	20.18%
2008	8.85%	8.38%	8.93%	10.73%	12.67%	15.00%	16.66%	17.64%
2009	8.78%	8.81%	9.75%	11.13%	13.09%	15.11%	15.76%	16.50%
2010	9.45%	9.68%	9.86%	10.83%	12.59%	13.54%	14.57%	15.80%
2011	9.80%	9.35%	9.92%	11.15%	12.08%	12.67%	13.33%	14.01%
2012	10.32%	9.50%	9.67%	10.64%	11.39%	12.52%	13.39%	
2013	7.93%	6.99%	7.56%	8.16%	9.25%	10.04%		
2014	10.46%	9.58%	10.17%	11.12%	12.01%			
2015	9.80%	10.33%	10.81%	11.08%				
2016	13.10%	12.00%	12.08%					
2017	15.14%	13.83%						
2018	11.62%							

Median Severity on Claims in Excess of \$500,000								
PY/RL	1	2	3	4	5	6	7	8
2005	825,368	814,506	710,326	704,717	711,051	700,997	686,837	697,792
2006	809,751	755,173	737,172	712,580	709,584	701,222	691,932	695,728
2007	805,589	744,439	712,814	696,427	684,413	677,939	683,101	684,933
2008	832,073	772,927	722,110	682,208	664,953	670,400	680,693	693,254
2009	829,140	743,245	713,157	676,482	656,565	662,005	673,897	663,746
2010	885,945	771,191	701,165	688,564	701,952	686,542	674,577	677,638
2011	888,503	780,562	736,538	696,674	684,826	679,553	684,493	685,982
2012	893,759	787,866	766,510	739,219	700,799	698,147	714,979	
2013	760,344	763,410	736,311	688,180	666,665	690,030		
2014	876,790	838,286	815,572	782,287	767,290			
2015	823,044	792,811	750,867	734,157				
2016	851,764	807,310	817,184					
2017	1,040,992	937,777						
2018	877,628							

Notes: Incurred Amounts and Severities are first dollar.

Source: WCIRB unit statistical data

Claim Counts and Losses on Claims in Excess of \$1,000,000

Number of Claims in Excess of \$1,000,000								
PY/RL	1	2	3	4	5	6	7	8
2005	58	72	74	95	133	173	208	245
2006	67	85	109	143	171	214	256	285
2007	66	82	110	134	159	201	234	267
2008	67	80	99	122	164	210	239	264
2009	66	80	97	120	149	173	201	202
2010	66	80	96	118	143	158	172	198
2011	72	84	94	109	127	142	156	172
2012	80	82	94	110	124	146	164	
2013	63	68	85	96	113	134		
2014	91	106	129	154	172			
2015	80	95	102	124				
2016	98	116	141					
2017	148	158						
2018	119							

% of Indemnity Incurred on Claims in Excess of \$1,000,000								
PY/RL	1	2	3	4	5	6	7	8
2005	2.50%	2.30%	2.32%	3.07%	4.11%	5.17%	6.16%	7.07%
2006	3.10%	2.98%	3.74%	4.20%	4.77%	5.81%	6.71%	7.85%
2007	2.95%	3.03%	3.48%	4.07%	5.03%	5.41%	6.14%	6.61%
2008	2.46%	2.54%	2.89%	3.68%	4.34%	5.28%	5.43%	6.14%
2009	2.88%	2.13%	2.89%	3.18%	3.81%	4.96%	5.13%	5.32%
2010	3.60%	3.15%	2.97%	3.62%	3.87%	4.00%	4.45%	4.99%
2011	3.55%	3.05%	2.88%	3.15%	3.22%	3.53%	3.85%	4.20%
2012	3.12%	2.58%	2.72%	3.29%	3.51%	4.30%	4.63%	
2013	1.68%	1.76%	2.12%	2.46%	2.86%	3.30%		
2014	2.84%	2.56%	2.63%	3.25%	3.70%			
2015	3.20%	2.62%	2.95%	3.24%				
2016	3.24%	3.00%	3.85%					
2017	5.57%	4.19%						
2018	5.61%							

Average Severity on Claims in Excess of \$1,000,000								
PY/RL	1	2	3	4	5	6	7	8
2005	3,171,764	3,525,423	3,473,114	2,982,927	2,662,004	2,581,158	2,468,930	2,496,814
2006	3,234,739	3,320,818	3,047,387	2,646,424	2,496,134	2,411,174	2,312,573	2,322,877
2007	2,989,854	3,203,684	3,005,542	3,068,358	2,941,223	2,650,264	2,522,711	2,416,398
2008	2,498,007	2,652,123	2,495,344	2,451,971	2,205,536	2,053,663	1,973,504	1,953,110
2009	2,683,874	2,739,848	2,942,406	2,655,972	2,495,174	2,642,270	2,325,280	2,397,700
2010	3,129,463	3,491,874	3,185,931	3,037,370	2,843,344	2,593,098	2,605,578	2,549,998
2011	3,060,752	3,174,335	3,206,333	3,097,966	2,821,839	2,612,821	2,461,513	2,366,535
2012	2,980,356	3,234,490	3,195,233	3,147,769	3,010,106	2,892,532	2,778,071	
2013	2,566,288	2,664,681	2,662,547	2,534,372	2,466,704	2,363,736		
2014	2,825,150	2,694,273	2,595,937	2,442,939	2,441,954			
2015	3,251,305	3,372,199	3,539,396	2,991,030				
2016	3,531,257	3,285,851	3,084,219					
2017	3,203,841	3,085,850						
2018	3,013,271							

% of Claims in Excess of \$1,000,000								
PY/RL	1	2	3	4	5	6	7	8
2005	0.013%	0.015%	0.016%	0.020%	0.028%	0.037%	0.044%	0.052%
2006	0.015%	0.019%	0.024%	0.032%	0.038%	0.048%	0.057%	0.063%
2007	0.016%	0.020%	0.026%	0.032%	0.037%	0.047%	0.055%	0.063%
2008	0.019%	0.022%	0.027%	0.033%	0.045%	0.057%	0.065%	0.072%
2009	0.020%	0.024%	0.029%	0.036%	0.044%	0.051%	0.059%	0.060%
2010	0.020%	0.024%	0.028%	0.035%	0.042%	0.046%	0.050%	0.058%
2011	0.022%	0.025%	0.028%	0.032%	0.037%	0.041%	0.045%	0.050%
2012	0.024%	0.024%	0.027%	0.031%	0.035%	0.041%	0.047%	
2013	0.018%	0.019%	0.024%	0.026%	0.031%	0.037%		
2014	0.025%	0.028%	0.034%	0.041%	0.046%			
2015	0.021%	0.025%	0.026%	0.032%				
2016	0.026%	0.029%	0.036%					
2017	0.037%	0.038%						
2018	0.029%							

% of Medical Incurred on Claims in Excess of \$1,000,000								
PY/RL	1	2	3	4	5	6	7	8
2005	7.43%	8.51%	7.45%	7.07%	7.80%	9.09%	9.77%	11.29%
2006	8.27%	8.46%	8.25%	8.39%	8.64%	9.70%	10.53%	11.15%
2007	7.07%	7.14%	7.58%	8.42%	8.47%	9.22%	9.71%	10.42%
2008	6.37%	5.91%	5.69%	5.85%	6.50%	7.20%	7.84%	8.25%
2009	6.54%	6.40%	6.71%	6.63%	7.05%	8.04%	8.00%	8.15%
2010	7.35%	7.56%	7.12%	7.37%	7.96%	7.69%	8.16%	9.03%
2011	7.58%	7.05%	7.08%	7.24%	7.38%	7.26%	7.23%	7.49%
2012	8.26%	7.21%	7.19%	7.52%	7.76%	8.29%	8.77%	
2013	5.57%	4.83%	5.27%	5.12%	5.58%	6.13%		
2014	8.30%	7.37%	7.82%	8.01%	8.51%			
2015	7.93%	8.18%	8.23%	7.84%				
2016	10.73%	9.74%	9.68%					
2017	12.90%	11.36%						
2018	8.72%							

Median Severity on Claims in Excess of \$1,000,000								
PY/RL	1	2	3	4	5	6	7	8
2005	1,990,755	2,160,065	2,089,211	1,864,346	1,737,110	1,666,100	1,645,929	1,664,019
2006	1,841,931	2,120,827	2,187,868	1,742,043	1,742,043	1,561,145	1,435,234	1,445,338
2007	1,953,016	2,210,826	1,727,733	1,835,183	1,905,520	1,586,274	1,616,302	1,577,628
2008	1,913,000	1,898,126	1,833,706	1,740,645	1,616,929	1,492,400	1,397,175	1,433,079
2009	1,970,712	1,735,192	1,837,375	1,696,499	1,512,424	1,448,217	1,444,734	1,493,429
2010	2,153,329	2,215,829	1,946,786	1,814,410	1,819,232	1,765,880	1,671,465	1,535,473
2011	2,133,690	2,004,422	1,948,017	1,950,524	1,633,108	1,520,232	1,499,552	1,521,573
2012	1,835,445	2,056,225	2,005,899	2,031,639	1,945,194	1,745,401	1,725,739	
2013	1,749,237	1,868,767	1,767,043	1,768,597	1,791,292	1,685,897		
2014	1,854,543	1,986,862	1,581,725	1,580,550	1,588,249			
2015	1,873,825	1,817,303	2,060,710	2,004,489				
2016	2,120,950	1,914,206	1,994,472					
2017	1,824,070	1,850,876						
2018	1,978,602							

Notes: Incurred Amounts and Severities are first dollar.

Source: WCIRB unit statistical data

**Summary of Paid LAE Ratios by Insurer Type**

Paid ALAE to Paid Loss Ratios<sup>[1]</sup>

<u>CY</u>	<u>State Fund</u>	<u>CA Private Insurers</u>	<u>National</u>	<u>Statewide</u>	<u>Private Insurers</u>
2010	5.9%	14.1%	15.5%	13.3%	15.3%
2011	5.9%	15.9%	17.3%	14.9%	17.2%
2012	6.3%	15.2%	19.1%	16.2%	18.6%
2013	5.9%	15.4%	20.0%	17.0%	19.5%
2014	8.4%	17.8%	21.3%	19.0%	20.8%
2015	10.1%	18.0%	22.6%	20.5%	22.0%
2016	11.0%	17.9%	22.4%	20.4%	21.6%
2017	10.8%	19.8%	22.7%	20.9%	22.3%
2018	11.4%	19.5%	23.0%	21.1%	22.4%
2019	12.9%	17.8%	22.8%	20.9%	22.0%
2020	11.5%	17.9%	23.4%	21.0%	22.5%
2020 excl. COVID-19	11.5%	17.9%	23.5%	21.0%	22.6%

Paid ULAE to Paid Loss Ratios

<u>CY</u>	<u>State Fund</u>	<u>CA Private Insurers</u>	<u>National</u>	<u>Statewide</u>	<u>Private Insurers</u>
2010	27.9%	17.3%	6.4%	12.3%	7.9%
2011	28.9%	15.9%	6.5%	11.9%	7.7%
2012	45.0% <sup>[2]</sup>	15.0%	6.4%	14.8% <sup>[2]</sup>	7.5%
2013	<sup>[3]</sup> 21.8%	16.3%	8.5%	11.7%	9.4%
2014	<sup>[3]</sup> 28.8%	14.7%	7.7%	11.6%	8.6%
2015	<sup>[4]</sup> 35.1%	14.8%	10.2%	13.9%	10.9%
2016	<sup>[4]</sup> 37.6%	14.2%	12.8%	15.9%	13.0%
2017	<sup>[4]</sup> 25.6%	16.1%	14.1%	15.8%	14.4%
2018	<sup>[4]</sup> 24.8%	14.9%	14.8%	16.1%	14.8%
2019	<sup>[4]</sup> 21.3%	14.5%	12.8%	14.1%	13.1%
2020	<sup>[4]</sup> 17.6%	14.9%	15.4%	15.6%	15.3%

Paid LAE to Paid Loss Ratios

<u>CY</u>	<u>State Fund</u>	<u>CA Private Insurers</u>	<u>National</u>	<u>Statewide</u>	<u>Private Insurers</u>
2010	33.8%	31.4%	22.0%	25.6%	23.3%
2011	34.8%	31.8%	23.8%	26.8%	24.8%
2012	51.3% <sup>[2]</sup>	30.3%	25.5%	31.0% <sup>[2]</sup>	26.1%
2013	<sup>[3]</sup> 27.7%	31.7%	28.5%	28.6%	28.9%
2014	<sup>[3]</sup> 37.2%	32.5%	29.0%	30.6%	29.4%
2015	<sup>[4]</sup> 45.2%	32.8%	32.8%	34.4%	32.8%
2016	<sup>[4]</sup> 48.6%	32.1%	35.2%	36.3%	34.7%
2017	<sup>[4]</sup> 36.4%	36.0%	36.9%	36.7%	36.7%
2018	<sup>[4]</sup> 36.2%	34.4%	37.8%	37.1%	37.2%
2019	<sup>[4]</sup> 34.2%	32.3%	35.6%	35.0%	35.1%
2020	<sup>[4]</sup> 29.1%	32.8%	38.8%	36.6%	37.9%

- Notes:
- <sup>[1]</sup> Medical Cost Containment Program (MCCP) costs on claims covered by policies incepting prior to July 1, 2010 are considered medical loss; those on claims covered by policies incepting July 1, 2010 and beyond are considered allocated loss adjustment expenses.
  - <sup>[2]</sup> 2012 figure includes a one-time adjustment made by State Compensation Insurance Fund to reallocate liabilities related to pension benefits.
  - <sup>[3]</sup> 2013 and 2014 ratios included information submitted by several large national insurers to more appropriately reflect ULAE costs related to deductible policies and third party administrators.
  - <sup>[4]</sup> Reflects adjustments based on the Expense Call for ULAE costs related to deductible policies and third-party administrators. 2015 adjusted ratio is based on apportioning adjusted countrywide paid ULAE to California using paid losses. 2016 to 2020 adjusted ratios are based on apportioning adjusted countrywide paid ULAE to California using open indemnity claim counts.

Source: WCIRB expense calls and quarterly calls for experience.

**Calendar Year ULAE Incurred Per Open Indemnity Claim - Private Insurers**

Calendar Year	ULAE Incurred (in Millions)	Number of Open Indemnity Claims at Beginning of the Year	Number of Indemnity Claims Reported During Year	ULAE Incurred Per Open Indemnity Claim	Annual Change
	(a)	(b)	(c)	(d)	(e)
2000	353	197,358	107,945	1,787	---
2001	321	171,915	114,323	1,867	4.5%
2002	439	235,631	115,468	1,864	-0.2%
2003	571	236,111	116,486	2,419	29.7%
2004	604	273,685	109,070	2,207	-8.7%
2005	500	281,950	96,045	1,774	-19.6%
2006	538	269,394	106,090	1,995	12.5%
2007	466	244,721	99,082	1,905	-4.5%
2008	464	261,804	101,059	1,772	-7.0%
2009	504	257,103	97,045	1,959	10.5%
2010	508	257,439	107,734	1,974	0.8%
2011	549	267,152	116,356	2,055	4.1%
2012	567	279,015	122,080	2,032	-1.1%
2013	827	294,011	131,749	2,812	38.4%
2014	726	307,227	133,061	2,363	-16.0%
2015	699	311,158	140,302	2,247	-4.9%
2016	695	314,808	139,941	2,208	-1.8%
2017	725	311,196	145,909	2,330	5.5%
2018	690	304,634	146,120	2,264	-2.8%
2019	778	293,377	149,363	2,651	17.1%
2020	524	288,754	149,169	1,814	-31.6%

<u>Annual Trend</u>	
All-Year	1.0%
R <sup>2</sup>	0.231
2015-2020	-1.6%
R <sup>2</sup>	0.058

Notes:

- (a) Calendar year ULAE incurred is based on WCIRB expense calls. All figures in each calendar year contain information from the same combination of private insurers that submitted both the ULAE and claim count data for that calendar year. Therefore, each calendar year may contain a different mix of private insurers.
- (b), (c) Based on WCIRB accident year experience calls. Column (c) is for information only.
- (d) (a)/(b) x 1,000,000.

**Calendar Year ULAE Paid per Open Indemnity Claim - Private Insurers**

Calendar Year	ULAE Paid <sup>[1]</sup> (in Millions) (1)	Number of Open Indemnity Claims at Beginning of the Year <sup>[2]</sup> (2)	Number of Indemnity Claims Reported During Year <sup>[3]</sup> (3)	ULAE Paid per Open Indemnity Claim <sup>[4]</sup> (4)	Annual Change (5)
2010	432	257,439	107,734	1,676	---
2011	450	267,152	116,356	1,684	0.5%
2012	474	279,015	122,080	1,698	0.8%
2013 <sup>[5]</sup>	644	294,011	131,749	2,192	---
2014 <sup>[5]</sup>	598	307,227	133,061	1,947	-11.2%
2015 <sup>[6]</sup>	774	311,158	140,302	2,486	---
2016 <sup>[6]</sup>	948	314,808	139,941	3,010	---
2017 <sup>[6]</sup>	1,045	311,196	145,909	3,359	11.6%
2018 <sup>[6]</sup>	1,072	304,634	146,120	3,520	4.8%
2019 <sup>[6]</sup>	947	293,377	149,363	3,229	-8.3%
2020 <sup>[6]</sup>	1,027	288,754	149,169	3,556	10.1%

**Notes:**

<sup>[1]</sup> Calendar year ULAE paid is based on WCIRB expense calls. All figures in each calendar year contain information from the same combination of private insurers that submitted both the ULAE and claim count data for that calendar year. Therefore, each calendar year may contain a different mix of private insurers.

<sup>[2],[3]</sup> Based on WCIRB accident year experience calls. Column (3) is for information only.

<sup>[4]</sup> Column (1) / Column (2) x 1,000,000.

<sup>[5]</sup> 2013 and 2014 paid ULAE included information submitted by several large national insurers to more appropriately reflect ULAE costs related to deductible policies and third party administrators.

<sup>[6]</sup> Reflects adjustments for ULAE costs related to deductible policies and third-party administrators based on the Expense Call. 2015 paid ULAE is based on apportioning adjusted countrywide paid ULAE to California using paid losses. 2016 to 2020 paid ULAE are based on apportioning adjusted countrywide paid ULAE to California using open indemnity claim counts.

Source: WCIRB expense calls and quarterly calls for experience.



**Average Paid ALAE per Reported Indemnity Claim - Private Insurers**

As of March 31, 2021

Accident	Evaluated as of (in months):									
Year	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
2000								4,340	4,548	4,786
2001							5,159	5,480	5,819	6,017
2002						5,264	5,668	6,064	6,308	6,493
2003					4,907	5,528	6,043	6,383	6,647	6,869
2004				3,570	4,548	5,212	5,673	6,022	6,283	6,495
2005			2,083	3,279	4,191	4,833	5,307	5,673	5,965	6,175
2006		797	2,176	3,410	4,328	5,022	5,550	5,920	6,211	6,471
2007	71	849	2,340	3,613	4,619	5,393	5,993	6,429	6,768	7,039
2008	85	944	2,494	3,933	5,103	5,975	6,595	7,096	7,468	7,729
2009	150	1,037	2,812	4,448	5,718	6,637	7,358	7,900	8,278	8,553
2010	87	1,111	2,981	4,586	5,816	6,746	7,484	7,978	8,319	8,566
2011	86	1,127	2,942	4,520	5,796	6,818	7,470	7,939	8,265	8,484
2012	85	1,120	3,012	4,721	6,067	6,965	7,585	7,985	8,270	8,457
2013	98	1,202	3,276	4,985	6,201	7,014	7,540	7,899	8,093	
2014	140	1,340	3,480	5,147	6,288	7,009	7,497	7,803		
2015	102	1,424	3,577	5,185	6,234	6,901	7,312			
2016	108	1,443	3,640	5,215	6,216	6,818				
2017	121	1,524	3,737	5,226	6,146					
2018	142	1,629	3,846	5,365						
2019	149	1,628	3,809							
2020	143	1,612								
2021	118									

	Annual Change									
Year	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
2001								26.3%	27.9%	25.7%
2002							9.9%	10.7%	8.4%	7.9%
2003						5.0%	6.6%	5.2%	5.4%	5.8%
2004					-7.3%	-5.7%	-6.1%	-5.6%	-5.5%	-5.5%
2005				-8.1%	-7.8%	-7.3%	-6.5%	-5.8%	-5.0%	-4.9%
2006			4.4%	4.0%	3.3%	3.9%	4.6%	4.4%	4.1%	4.8%
2007		6.5%	7.5%	5.9%	6.7%	7.4%	8.0%	8.6%	9.0%	8.8%
2008	20.3%	11.3%	6.6%	8.9%	10.5%	10.8%	10.0%	10.4%	10.3%	9.8%
2009	76.5%	9.8%	12.8%	13.1%	12.0%	11.1%	11.6%	11.3%	10.8%	10.7%
2010	-41.7%	7.1%	6.0%	3.1%	1.7%	1.6%	1.7%	1.0%	0.5%	0.2%
2011	-1.4%	1.4%	-1.3%	-1.4%	-0.3%	1.1%	-0.2%	-0.5%	-0.6%	-1.0%
2012	-1.2%	-0.5%	2.4%	4.4%	4.7%	2.1%	1.5%	0.6%	0.1%	-0.3%
2013	15.4%	7.3%	8.8%	5.6%	2.2%	0.7%	-0.6%	-1.1%	-2.1%	
2014	42.0%	11.5%	6.2%	3.3%	1.4%	-0.1%	-0.6%	-1.2%		
2015	-26.9%	6.3%	2.8%	0.7%	-0.9%	-1.5%	-2.5%			
2016	6.2%	1.3%	1.8%	0.6%	-0.3%	-1.2%				
2017	11.8%	5.6%	2.7%	0.2%	-1.1%					
2018	17.2%	6.9%	2.9%	2.7%						
2019	5.0%	-0.1%	-1.0%							
2020	-3.9%	-1.0%								
2021	-17.4%									

Note: All paid ALAE exclude the paid cost of medical cost containment programs. Accident years 2021 at 3 months and 2020 at 15 months excludes COVID-19 claims.

Source: WCIRB accident year experience calls.

**Ratio of Paid ALAE to Paid Loss - Private Insurers**

As of December 31, 2020

Accident	Evaluated as of (in months):									
Year	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
2000								0.107	0.107	0.109
2001							0.118	0.119	0.121	0.122
2002						0.132	0.134	0.137	0.137	0.138
2003					0.136	0.141	0.144	0.146	0.147	0.148
2004				0.139	0.150	0.155	0.158	0.159	0.160	0.160
2005			0.113	0.133	0.144	0.149	0.152	0.154	0.155	0.154
2006		0.076	0.112	0.129	0.138	0.143	0.146	0.148	0.148	0.150
2007	0.032	0.077	0.112	0.127	0.135	0.142	0.145	0.146	0.148	0.148
2008	0.037	0.078	0.110	0.126	0.136	0.141	0.143	0.146	0.147	0.148
2009	0.059	0.084	0.122	0.138	0.146	0.150	0.153	0.155	0.157	0.158
2010	0.033	0.092	0.130	0.143	0.148	0.152	0.156	0.158	0.159	0.160
2011	0.033	0.099	0.133	0.146	0.154	0.162	0.165	0.167	0.168	0.166
2012	0.034	0.098	0.138	0.155	0.166	0.170	0.173	0.174	0.172	0.173
2013	0.041	0.109	0.154	0.168	0.174	0.179	0.181	0.183	0.180	
2014	0.058	0.121	0.163	0.172	0.177	0.180	0.182	0.183		
2015	0.039	0.128	0.163	0.171	0.175	0.178	0.180			
2016	0.046	0.124	0.165	0.174	0.178	0.181				
2017	0.046	0.128	0.166	0.173	0.178					
2018	0.050	0.131	0.166	0.174						
2019	0.050	0.131	0.166							
2020	0.046	0.121								
2021	0.036									

Accident	Annual Change									
Year	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>111</u>
2001								11.6%	13.2%	12.4%
2002							13.7%	14.7%	13.2%	13.4%
2003						7.2%	7.7%	6.9%	7.3%	7.1%
2004					10.1%	10.1%	9.3%	9.2%	8.5%	7.9%
2005				-4.0%	-4.1%	-3.8%	-3.3%	-3.2%	-3.0%	-3.5%
2006			-1.2%	-3.5%	-4.2%	-4.3%	-4.2%	-4.0%	-4.2%	-2.8%
2007		1.8%	0.1%	-1.7%	-1.8%	-0.8%	-0.7%	-1.2%	-0.6%	-1.1%
2008	16.2%	0.5%	-1.5%	-0.4%	0.5%	-0.2%	-1.1%	-0.4%	-0.3%	-0.1%
2009	58.8%	8.7%	10.4%	9.6%	7.8%	6.0%	6.6%	6.5%	6.4%	6.2%
2010	-43.4%	9.0%	7.2%	3.2%	1.0%	1.7%	2.3%	1.8%	1.7%	1.6%
2011	-0.8%	7.1%	2.1%	2.4%	4.4%	6.2%	5.2%	5.6%	5.2%	3.6%
2012	4.0%	-0.5%	3.6%	6.1%	7.6%	5.3%	5.3%	4.6%	2.8%	4.3%
2013	20.1%	10.8%	11.5%	8.5%	4.9%	4.9%	4.5%	4.8%	4.4%	
2014	40.2%	11.4%	6.3%	2.3%	1.4%	0.5%	0.2%	0.1%		
2015	-32.6%	5.8%	-0.2%	-0.5%	-1.0%	-1.1%	-1.0%			
2016	17.6%	-2.8%	1.0%	1.6%	1.8%	1.9%				
2017	0.9%	2.6%	0.8%	-0.6%	-0.1%					
2018	8.2%	2.3%	-0.1%	0.8%						
2019	-0.5%	0.4%	-0.1%							
2020	-7.5%	-7.7%								
2021	-20.8%									

Note: All paid ALAE exclude the paid cost of medical cost containment programs. Accident years 2010 and prior paid loss include the paid cost of medical cost containment programs. Accident year 2020 excludes COVID-19 claims.

Source: WCIRB accident year experience calls.

**Percentage of Represented Permanent Disability Claims by Region and Loss Type**  
First and Second Survey Level, Open Claims Only

**First Survey Level**

	<u>Northern California</u>	<u>Southern California</u>	<u>CT Claims</u>	<u>Non-CT Claims</u>
% of Represented				
AY 2011	65.9%	80.9%	87.9%	72.5%
AY 2012	67.1%	82.3%	89.4%	73.8%
AY 2013	68.6%	84.1%	91.4%	75.5%
AY 2014	67.7%	83.0%	90.2%	74.5%
AY 2015	66.3%	81.4%	88.4%	73.0%
AY 2016	66.5%	81.6%	88.7%	73.2%
<i>AY 2017</i>	61.6%	75.5%	82.1%	67.8%
<i>AY 2018</i>	67.7%	83.0%	90.2%	74.4%

**Second Survey Level**

	<u>Northern California</u>	<u>Southern California</u>	<u>CT Claims</u>	<u>Non-CT Claims</u>
% of Represented				
AY 2011	69.0%	84.7%	92.0%	75.9%
AY 2012	71.3%	87.4%	95.0%	78.4%
AY 2013	71.6%	87.8%	95.4%	78.7%
AY 2014	69.2%	84.9%	92.2%	76.1%
AY 2015	70.2%	86.1%	93.5%	77.2%
AY 2016	68.8%	84.3%	91.6%	75.6%
<i>AY 2017</i>	73.3%	89.9%	97.7%	80.6%

Note: Claims are assigned to Northern and Southern California regions based on the WCAB office code reported on the Permanent Disability Claim Survey forms. If the WCAB office code was not reported, the zip code of the claimant's residence was used.

Source: WCIRB Permanent Disability Claim Survey for each accident year (AY)  
Data is recast from survey proportions to true proportions.  
Data in italics is preliminary

**Distribution of Total ALAE & M CCP Components - Private Insurers**

<u>Calendar Year</u>	<u>M CCP</u>	<u>Defense Expense</u>	<u>Other Paid ALAE</u>	<u>Paid ALAE</u>
2005	20.2%	54.9%	24.9%	100.0%
2006	22.6%	44.3%	33.1%	100.0%
2007	24.2%	49.0%	26.8%	100.0%
2008	31.8%	43.0%	25.2%	100.0%
2009	27.8%	45.4%	26.8%	100.0%
2010	27.7%	45.4%	26.9%	100.0%
2011	27.3%	46.1%	26.6%	100.0%
2012	27.7%	46.3%	26.0%	100.0%
2013	28.0%	47.1%	24.9%	100.0%
2014	28.2%	45.7%	26.2%	100.0%
2015	28.3%	42.5%	29.2%	100.0%
2016	24.7%	43.6%	31.7%	100.0%
2017	24.8%	46.4%	28.8%	100.0%
2018	24.9%	43.3%	31.7%	100.0%
2019	24.7%	47.0%	28.3%	100.0%
2020	23.6%	45.9%	30.4%	100.0%

Source: WCIRB expense calls, aggregate indemnity and medical cost calls and quarterly calls for experience

### Applicant Attorney Expense Paid - Private Insurers

Calendar Year	Applicant Attorney Amounts paid (in \$millions)	Incurred Losses (in \$millions)	Applicant Attorney Expenses Paid as a Percent of <u>Incurred Losses</u>
2003	192	10,423	1.8%
2004	249	9,073	2.7%
2005	228	7,559	3.0%
2006	209	5,540	3.8%
2007	196	5,444	3.6%
2008	177	5,711	3.1%
2009	221	5,700	3.9%
2010	253	6,260	4.0%
2011	280	7,500	3.7%
2012	340	8,531	4.0%
2013	353	9,500	3.7%
2014	329	9,607	3.4%
2015	326	9,383	3.5%
2016	354	9,617	3.7%
2017	350	8,967	3.9%
2018	317	6,487	4.9%
2019	374	7,305	5.1%
2020	334	6,414	5.2%

Source: WCIRB expense calls and quarterly calls for experience

**Median Expense Costs per Open Represented PD Claim**  
Private Insurers Only

First Survey Level

		Type of Expense	
		ALAE	
		Defense <u>Expense</u>	Remaining <u>ALAE</u>
<b>Northern California</b>			Applicant Attorney <u>Expense</u>
	AY 2012	4,512	2,672
	AY 2013	4,728	2,620
	AY 2014	4,810	2,174
	AY 2015	4,935	1,513
	AY 2016	5,418	1,660
	AY 2017	4,854	1,256
	AY 2018	6,032	1,596
<b>Southern California</b>			
	AY 2012	5,734	2,805
	AY 2013	5,618	2,752
	AY 2014	5,433	2,318
	AY 2015	4,745	1,236
	AY 2016	5,021	1,395
	AY 2017	3,855	1,296
	AY 2018	6,252	1,701

Second Survey Level

		Type of Expense	
		ALAE	
		Defense <u>Expense</u>	Remaining <u>ALAE</u>
<b>Northern California</b>			Applicant Attorney <u>Expense</u>
	AY 2011	6,546	3,022
	AY 2012	5,771	3,440
	AY 2013	5,911	3,100
	AY 2014	6,102	1,835
	AY 2015	5,182	1,507
	AY 2016	4,570	949
<b>Southern California</b>			
	AY 2011	7,013	3,101
	AY 2012	7,177	3,200
	AY 2013	6,939	3,048
	AY 2014	6,633	2,165
	AY 2015	4,732	1,364
	AY 2016	5,674	1,194

Note: Claims are assigned to Northern and Southern California regions based on the WCAB office code reported on the Permanent Disability Claim Survey forms. If the WCAB office code was not reported, the zip code of the claimant's residence was used.

Source: WCIRB Permanent Disability Claim Survey

Data is recast from survey proportions to true proportions. Excludes \$0 paid amounts.

**Number of Medical-Legal Reports by Service Year and Quarter**

First Quarter of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	<u>20-21</u>
Bay Area	6,014	5,972	5,573	5,440	5,246	5,042	4,751	4,571	4,595	-0.7%	-6.7%	-2.4%	-3.6%	-3.9%	-5.8%	-3.8%	0.5%
Los Angeles	14,915	17,281	17,578	18,721	18,043	16,996	16,943	16,825	17,992	15.9%	1.7%	6.5%	-3.6%	-5.8%	-0.3%	-0.7%	6.9%
Other	8,558	9,758	9,888	11,162	10,710	11,143	10,583	9,969	10,355	14.0%	1.3%	12.9%	-4.0%	4.0%	-5.0%	-5.8%	3.9%
All Regions	29,487	33,011	33,039	35,323	33,999	33,181	32,277	31,365	32,943	12.0%	0.1%	6.9%	-3.7%	-2.4%	-2.7%	-2.8%	5.0%
Second Quarter of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	5,996	5,548	5,547	5,241	5,222	5,095	4,787	3,657		-7.5%	0.0%	-5.5%	-0.4%	-2.4%	-6.0%	-23.6%	
Los Angeles	15,383	17,302	17,761	18,243	17,797	16,850	17,892	14,151		12.5%	2.7%	2.7%	-2.4%	-5.3%	6.2%	-20.9%	
Other	8,786	9,787	10,106	11,567	11,216	11,259	10,756	7,999		11.4%	3.3%	14.5%	-3.0%	0.4%	-4.5%	-25.6%	
All Regions	30,165	32,637	33,414	35,051	34,235	33,204	33,435	25,807		8.2%	2.4%	4.9%	-2.3%	-3.0%	0.7%	-22.8%	
Third Quarter of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	5,788	5,184	5,213	5,051	4,959	4,688	4,285	4,366		-10.4%	0.6%	-3.1%	-1.8%	-5.5%	-8.6%	1.9%	
Los Angeles	14,400	15,293	15,974	16,657	15,940	15,830	16,873	15,835		6.2%	4.5%	4.3%	-4.3%	-0.7%	6.6%	-6.2%	
Other	8,511	9,454	9,589	11,241	10,553	10,728	10,550	9,467		11.1%	1.4%	17.2%	-6.1%	1.7%	-1.7%	-10.3%	
All Regions	28,699	29,931	30,776	32,949	31,452	31,246	31,708	29,668		4.3%	2.8%	7.1%	-4.5%	-0.7%	1.5%	-6.4%	
Fourth Quarter of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	2,724	2,252	2,252	2,660	2,532	2,497	2,384	2,319		-17.3%	0.0%	18.1%	-4.8%	-1.4%	-4.5%	-2.7%	
Los Angeles	5,618	6,152	6,222	8,256	7,953	8,269	9,027	8,227		9.5%	1.1%	32.7%	-3.7%	4.0%	9.2%	-8.9%	
Other	3,472	4,086	3,750	5,245	4,885	5,011	5,106	4,490		17.7%	-8.2%	39.9%	-6.9%	2.6%	1.9%	-12.1%	
All Regions	11,814	12,490	12,224	16,161	15,370	15,777	16,517	15,036		5.7%	-2.1%	32.2%	-4.9%	2.6%	4.7%	-9.0%	
First Three Quarters of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	17,798	16,704	16,333	15,732	15,427	14,825	13,823	12,594		-6.1%	-2.2%	-3.7%	-1.9%	-3.9%	-6.8%	-8.9%	
Los Angeles	44,698	49,876	51,313	53,621	51,780	49,676	51,708	46,811		11.6%	2.9%	4.5%	-3.4%	-4.1%	4.1%	-9.5%	
Other	25,855	28,999	29,583	33,970	32,479	33,130	31,889	27,435		12.2%	2.0%	14.8%	-4.4%	2.0%	-3.7%	-14.0%	
All Regions	88,351	95,579	97,229	103,323	99,686	97,631	97,420	86,840		8.2%	1.7%	6.3%	-3.5%	-2.1%	-0.2%	-10.9%	
Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	20,522	18,956	18,585	18,392	17,959	17,322	16,207	14,913		-7.6%	-2.0%	-1.0%	-2.4%	-3.5%	-6.4%	-8.0%	
Los Angeles	50,316	56,028	57,535	61,877	59,733	57,945	60,735	55,038		11.4%	2.7%	7.5%	-3.5%	-3.0%	4.8%	-9.4%	
Other	29,327	33,085	33,333	39,215	37,364	38,141	36,995	31,925		12.8%	0.7%	17.6%	-4.7%	2.1%	-3.0%	-13.7%	
All Regions	100,165	108,069	109,453	119,484	115,056	113,408	113,937	101,876		7.9%	1.3%	9.2%	-3.7%	-1.4%	0.5%	-10.6%	

Note: Includes services on all claims on the 10 most recent accident years for the service year and where payment for the service was made within the same service year.

2021 is estimated based on partial data.

Source: WCIRB medical data call (MDC).

**Payment on Medical-Legal Reports by Service Year and Quarter (in \$000)**

First Quarter of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	<u>20-21</u>
Bay Area	7,838	8,088	7,495	7,137	6,845	6,478	6,399	6,011	7,191	3.2%	-7.3%	-4.8%	-4.1%	-5.4%	-1.2%	-6.1%	19.6%
Los Angeles	24,988	32,977	32,154	36,860	32,364	28,339	28,261	27,705	31,947	32.0%	-2.5%	14.6%	-12.2%	-12.4%	-0.3%	-2.0%	15.3%
Other	10,458	14,455	13,996	16,094	13,043	13,195	12,210	12,508	13,997	38.2%	-3.2%	15.0%	-19.0%	1.2%	-7.5%	2.4%	11.9%
All Regions	43,283	55,521	53,645	60,091	52,252	48,012	46,870	46,223	53,135	28.3%	-3.4%	12.0%	-13.0%	-8.1%	-2.4%	-1.4%	15.0%
Second Quarter of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	8,123	7,654	7,333	7,167	6,830	6,775	6,312	4,839		-5.8%	-4.2%	-2.3%	-4.7%	-0.8%	-6.8%	-23.3%	
Los Angeles	27,246	33,052	32,912	36,152	31,250	27,998	29,205	23,038		21.3%	-0.4%	9.8%	-13.6%	-10.4%	4.3%	-21.1%	
Other	11,198	13,882	14,864	16,708	13,022	12,772	13,059	9,616		24.0%	7.1%	12.4%	-22.1%	-1.9%	2.2%	-26.4%	
All Regions	46,568	54,588	55,108	60,027	51,102	47,544	48,576	37,493		17.2%	1.0%	8.9%	-14.9%	-7.0%	2.2%	-22.8%	
Third Quarter of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	7,488	6,794	6,650	6,754	6,148	6,080	5,942	6,510		-9.3%	-2.1%	1.6%	-9.0%	-1.1%	-2.3%	9.6%	
Los Angeles	24,847	28,782	29,961	30,668	26,580	26,479	27,525	27,351		15.8%	4.1%	2.4%	-13.3%	-0.4%	4.0%	-0.6%	
Other	10,964	13,133	13,674	15,050	12,496	12,048	12,873	13,071		19.8%	4.1%	10.1%	-17.0%	-3.6%	6.8%	1.5%	
All Regions	43,299	48,710	50,284	52,472	45,224	44,607	46,340	46,931		12.5%	3.2%	4.4%	-13.8%	-1.4%	3.9%	1.3%	
Fourth Quarter of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	3,208	2,606	2,764	3,284	2,791	3,044	3,054	2,956		-18.8%	6.1%	18.8%	-15.0%	9.1%	0.3%	-3.2%	
Los Angeles	8,370	10,187	10,861	14,046	12,031	12,355	13,757	12,978		21.7%	6.6%	29.3%	-14.3%	2.7%	11.4%	-5.7%	
Other	4,062	5,189	5,040	6,434	5,356	5,831	6,299	5,856		27.7%	-2.9%	27.7%	-16.7%	8.9%	8.0%	-7.0%	
All Regions	15,641	17,982	18,664	23,764	20,178	21,230	23,111	21,790		15.0%	3.8%	27.3%	-15.1%	5.2%	8.9%	-5.7%	
First Three Quarters of Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	23,449	22,536	21,478	21,058	19,823	19,332	18,652	17,359		-3.9%	-4.7%	-2.0%	-5.9%	-2.5%	-3.5%	-6.9%	
Los Angeles	77,081	94,812	95,026	103,679	90,194	82,815	84,992	78,094		23.0%	0.2%	9.1%	-13.0%	-8.2%	2.6%	-8.1%	
Other	32,620	41,470	42,533	47,852	38,561	38,015	38,142	35,194		27.1%	2.6%	12.5%	-19.4%	-1.4%	0.3%	-7.7%	
All Regions	133,149	158,818	159,037	172,590	148,577	140,163	141,786	130,647		19.3%	0.1%	8.5%	-13.9%	-5.7%	1.2%	-7.9%	
Service Year																	
Region	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>		<u>13-14</u>	<u>14-15</u>	<u>15-16</u>	<u>16-17</u>	<u>17-18</u>	<u>18-19</u>	<u>19-20</u>	
Bay Area	26,657	25,142	24,242	24,342	22,613	22,376	21,706	20,315		-5.7%	-3.6%	0.4%	-7.1%	-1.0%	-3.0%	-6.4%	
Los Angeles	85,451	104,999	105,887	117,725	102,225	95,170	98,749	91,072		22.9%	0.8%	11.2%	-13.2%	-6.9%	3.8%	-7.8%	
Other	36,682	46,659	47,573	54,286	43,917	43,846	44,441	41,050		27.2%	2.0%	14.1%	-19.1%	-0.2%	1.4%	-7.6%	
All Regions	148,790	176,801	177,701	196,353	168,755	161,393	164,897	152,438		18.8%	0.5%	10.5%	-14.1%	-4.4%	2.2%	-7.6%	

Note: Includes services on all claims on the 10 most recent accident years for the service year and where payment for the service was made within the same service year.

2021 is estimated based on partial data.

Source: WCIRB medical data call (MDC).



Medical-Legal Payment per Report by Service Year and Quarter

First Quarter of Service Year																	
Region	2013	2014	2015	2016	2017	2018	2019	2020	2021	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21
Bay Area	1,303	1,354	1,345	1,312	1,305	1,285	1,347	1,315	1,565	3.9%	-0.7%	-2.5%	-0.5%	-1.5%	4.8%	-2.4%	19.0%
Los Angeles	1,675	1,908	1,829	1,969	1,794	1,667	1,668	1,647	1,776	13.9%	-4.1%	7.6%	-8.9%	-7.0%	0.0%	-1.3%	7.8%
Other	1,222	1,481	1,415	1,442	1,218	1,184	1,154	1,255	1,352	21.2%	-4.4%	1.9%	-15.5%	-2.8%	-2.6%	8.7%	7.7%
All Regions	1,468	1,682	1,624	1,701	1,537	1,447	1,452	1,474	1,613	14.6%	-3.5%	4.8%	-9.7%	-5.8%	0.4%	1.5%	9.4%
Second Quarter of Service Year																	
Region	2013	2014	2015	2016	2017	2018	2019	2020		13-14	14-15	15-16	16-17	17-18	18-19	19-20	
Bay Area	1,355	1,380	1,322	1,368	1,308	1,330	1,319	1,323		1.8%	-4.2%	3.4%	-4.4%	1.7%	-0.8%	0.3%	
Los Angeles	1,771	1,910	1,853	1,982	1,756	1,662	1,632	1,628		7.9%	-3.0%	6.9%	-11.4%	-5.4%	-1.8%	-0.3%	
Other	1,275	1,418	1,471	1,444	1,161	1,134	1,214	1,202		11.3%	3.7%	-1.8%	-19.6%	-2.3%	7.0%	-1.0%	
All Regions	1,544	1,673	1,649	1,713	1,493	1,432	1,453	1,453		8.3%	-1.4%	3.8%	-12.8%	-4.1%	1.5%	0.0%	
Third Quarter of Service Year																	
Region	2013	2014	2015	2016	2017	2018	2019	2020		13-14	14-15	15-16	16-17	17-18	18-19	19-20	
Bay Area	1,294	1,311	1,276	1,337	1,240	1,297	1,387	1,491		1.3%	-2.7%	4.8%	-7.3%	4.6%	6.9%	7.5%	
Los Angeles	1,725	1,882	1,876	1,841	1,668	1,673	1,631	1,727		9.1%	-0.3%	-1.8%	-9.4%	0.3%	-2.5%	5.9%	
Other	1,288	1,389	1,426	1,339	1,184	1,123	1,220	1,381		7.8%	2.6%	-6.1%	-11.6%	-5.2%	8.6%	13.2%	
All Regions	1,509	1,627	1,634	1,593	1,438	1,428	1,461	1,582		7.9%	0.4%	-2.5%	-9.7%	-0.7%	2.4%	8.2%	
Fourth Quarter of Service Year																	
Region	2013	2014	2015	2016	2017	2018	2019	2020		13-14	14-15	15-16	16-17	17-18	18-19	19-20	
Bay Area	1,178	1,157	1,227	1,235	1,102	1,219	1,281	1,275		-1.7%	6.1%	0.6%	-10.7%	10.6%	5.1%	-0.5%	
Los Angeles	1,490	1,656	1,746	1,701	1,513	1,494	1,524	1,578		11.1%	5.4%	-2.5%	-11.1%	-1.2%	2.0%	3.5%	
Other	1,170	1,270	1,344	1,227	1,097	1,164	1,234	1,304		8.5%	5.8%	-8.7%	-10.6%	6.1%	6.0%	5.7%	
All Regions	1,324	1,440	1,527	1,470	1,313	1,346	1,399	1,449		8.7%	6.1%	-3.7%	-10.7%	2.5%	4.0%	3.6%	
First Three Quarters of Service Year																	
Region	2013	2014	2015	2016	2017	2018	2019	2020		13-14	14-15	15-16	16-17	17-18	18-19	19-20	
Bay Area	1,317	1,349	1,315	1,339	1,285	1,304	1,349	1,378		2.4%	-2.5%	1.8%	-4.0%	1.5%	3.5%	2.2%	
Los Angeles	1,724	1,901	1,852	1,934	1,742	1,667	1,644	1,668		10.2%	-2.6%	4.4%	-9.9%	-4.3%	-1.4%	1.5%	
Other	1,262	1,430	1,438	1,409	1,187	1,147	1,196	1,283		13.4%	0.5%	-2.0%	-15.7%	-3.4%	4.2%	7.3%	
All Regions	1,507	1,662	1,636	1,670	1,490	1,436	1,455	1,504		10.3%	-1.6%	2.1%	-10.8%	-3.7%	1.4%	3.4%	
Service Year																	
Region	2013	2014	2015	2016	2017	2018	2019	2020		13-14	14-15	15-16	16-17	17-18	18-19	19-20	
Bay Area	1,299	1,326	1,304	1,324	1,259	1,292	1,339	1,362		2.1%	-1.7%	1.5%	-4.9%	2.6%	3.7%	1.7%	
Los Angeles	1,698	1,874	1,840	1,903	1,711	1,642	1,626	1,655		10.3%	-1.8%	3.4%	-10.0%	-4.0%	-1.0%	1.8%	
Other	1,251	1,410	1,427	1,384	1,175	1,150	1,201	1,286		12.8%	1.2%	-3.0%	-15.1%	-2.2%	4.5%	7.0%	
All Regions	1,485	1,636	1,624	1,643	1,467	1,423	1,447	1,496		10.1%	-0.8%	1.2%	-10.7%	-3.0%	1.7%	3.4%	

Note: Includes services on all claims on the 10 most recent accident years for the service year and where payment for the service was made within the same service year.

2021 is estimated based on partial data.

Source: WCIRB medical data call (MDC).

**Average Paid M CCP per Reported Indemnity Claim - Statewide**  
As of March 31, 2021

Accident Year	Evaluated as of (in months):							
	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
2012	197	891	1,506	1,819	1,984	2,127	2,228	2,322
2013	187	841	1,363	1,659	1,861	1,990	2,088	2,142
2014	169	784	1,312	1,639	1,828	1,952	2,028	2,084
2015	178	777	1,308	1,596	1,780	1,883	1,944	
2016	156	766	1,237	1,502	1,659	1,750		
2017	169	748	1,218	1,491	1,640			
2018	174	800	1,265	1,520				
2019	191	760	1,243					
2020	183	741						
2021	170							

Accident Year	Annual Change							
	<u>3</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
2013	-4.9%	-5.7%	-9.5%	-8.8%	-6.2%	-6.5%	-6.3%	-7.7%
2014	-9.5%	-6.8%	-3.7%	-1.2%	-1.8%	-1.9%	-2.9%	-2.7%
2015	4.9%	-0.8%	-0.3%	-2.6%	-2.6%	-3.5%	-4.1%	
2016	-12.0%	-1.5%	-5.4%	-5.9%	-6.8%	-7.0%		
2017	8.3%	-2.3%	-1.6%	-0.8%	-1.2%			
2018	3.0%	7.0%	3.9%	2.0%				
2019	9.3%	-5.1%	-1.8%					
2020	-3.9%	-2.4%						
2021	-7.0%							

Note: Accident years 2021 at 3 months and 2020 at 15 months excludes COVID-19 claims.

Source: WCIRB accident year experience calls.

## **Item AC21-09-02**

### **6/30/2021 Experience Review**

Staff has prepared an analysis of statewide experience through June 30, 2021, which is included in Exhibits 1 through 8. This information reflects insurers writing 98% of the market based on 2020 premium levels. The methodologies used are consistent with those reflected in the September 1, 2021 Pure Premium Rate Filing. Wage and loss levels are projected to September 1, 2022—the approximate midpoint of experience on policies incepting in between September 1, 2021 and August 31, 2022, and premiums were adjusted to the industry average filed pure premium rate level as of January 1, 2021. The accident year 2020 and 2021 information shown in Exhibits 1 through 8 have been adjusted to remove COVID-19 claims.

As shown on Exhibit 8, the projected loss to the industry average filed pure premium ratio for policies incepting between September 1, 2021 and August 31, 2022 based on June 30, 2021 experience and the methodologies reflected in the September 1, 2021 Pure Premium Rate Filing is 0.607. This compares to the projected loss ratio of 0.596 included in the September 1, 2021 Pure Premium Rate Filing based on December 31, 2020 experience.

Additional supplemental information is included in Exhibits 9 through 15.

**California Workers' Compensation  
Accident Year Experience as of June 30, 2021**

<u>Year</u>	<u>Earned Premium</u>	<u>Paid Indemnity</u>	<u>Indemnity Reserves</u>	<u>Paid Medical**</u>	<u>Medical Reserves</u>	<u>IBNR*</u>	<u>Total Incurred**</u>	<u>Loss Ratio*</u>
1987	4,373,509,816	1,508,089,382	6,908,371	1,340,118,926	38,959,197	49,902,238	2,943,978,114	0.673
1988	5,172,229,109	1,705,053,309	6,070,532	1,547,816,406	28,860,406	38,012,405	3,325,813,058	0.643
1989	5,675,115,503	1,941,422,165	6,036,237	1,807,335,269	40,568,146	43,611,049	3,838,972,866	0.676
1990	5,704,524,437	2,262,643,484	6,363,564	2,052,239,983	34,498,456	59,299,397	4,415,044,884	0.774
1991	5,866,491,692	2,482,057,639	13,563,273	2,209,819,416	41,429,155	55,311,654	4,802,181,137	0.819
1992	5,685,231,287	1,980,268,613	12,849,119	1,770,742,756	43,114,777	51,841,233	3,858,816,498	0.679
1993	5,934,618,230	1,696,219,360	10,377,203	1,522,010,693	52,239,916	51,349,502	3,332,196,674	0.561
1994	5,030,976,034	1,631,965,599	17,917,583	1,476,748,614	72,885,223	34,566,059	3,234,083,078	0.643
1995	3,789,174,380	1,771,594,809	23,180,459	1,638,115,322	80,523,933	40,353,863	3,553,768,386	0.938
1996	3,746,680,214	1,964,003,354	26,375,471	1,731,355,015	82,693,437	51,033,629	3,855,460,906	1.029
1997	3,926,898,608	2,328,990,351	30,781,317	2,031,874,549	98,405,403	95,968,205	4,586,019,825	1.168
1998	4,332,127,034	2,786,751,585	42,137,003	2,672,988,287	189,467,264	164,119,082	5,855,463,221	1.352
1999	4,550,437,880	3,067,649,615	41,978,169	3,063,430,026	140,053,187	241,636,888	6,554,747,885	1.440
2000	5,921,821,993	3,441,910,938	56,059,158	3,592,378,298	169,525,843	374,318,413	7,634,192,650	1.289
2001	9,931,770,009	4,792,944,118	79,570,719	5,315,383,028	279,635,827	597,197,311	11,064,731,003	1.114
2002	13,032,287,929	4,684,451,362	78,951,577	5,360,083,501	252,006,743	847,379,691	11,222,872,874	0.861
2003	18,880,337,415	4,485,890,376	115,296,347	4,966,939,598	273,712,622	1,215,197,553	11,057,036,496	0.586
2004	22,512,532,829	3,177,608,235	101,946,529	4,011,682,324	222,785,770	1,347,256,208	8,861,279,066	0.394
2005	21,084,882,305	2,532,671,279	88,426,919	3,659,216,005	211,394,526	1,084,832,039	7,576,540,768	0.359
2006	17,023,075,401	2,621,144,424	94,873,541	3,766,789,790	237,652,797	730,897,925	7,451,358,477	0.438
2007	13,114,259,525	2,768,328,698	104,328,361	4,030,147,789	262,019,610	688,916,356	7,853,740,814	0.599
2008	10,619,553,000	2,810,083,082	128,904,416	4,033,505,267	276,024,782	442,867,754	7,691,385,301	0.724
2009	8,702,040,583	2,666,849,811	123,368,652	3,817,431,829	294,405,507	585,927,580	7,487,983,379	0.860
2010	9,167,656,565	2,671,895,072	117,469,036	3,899,609,442	234,015,644	513,538,833	7,436,528,027	0.811
2011	9,892,013,350	2,656,429,081	121,287,070	3,546,692,552	261,481,848	637,454,567	7,223,345,118	0.730
2012	11,443,762,656	2,709,163,894	160,272,895	3,450,761,365	301,577,329	757,068,842	7,378,844,325	0.645
2013	13,848,289,838	2,745,023,709	153,824,496	3,298,864,718	302,618,232	1,337,623,752	7,837,954,907	0.566
2014	15,653,210,832	2,880,202,107	199,304,001	3,246,883,720	346,706,729	1,736,133,580	8,409,230,137	0.537
2015	16,695,858,520	2,912,351,852	267,297,029	3,145,393,299	446,905,605	2,202,523,396	8,974,471,181	0.538
2016	17,610,018,516	2,773,346,936	334,571,641	2,983,295,192	543,267,073	2,826,391,396	9,460,872,238	0.537
2017	17,326,230,177	2,589,960,046	471,742,808	2,790,798,027	710,442,605	2,836,617,455	9,399,560,941	0.543
2018	17,077,109,966	2,344,883,984	701,067,894	2,607,030,791	965,375,913	2,876,520,686	9,494,879,268	0.556
2019	15,799,498,924	1,852,646,394	1,001,316,994	2,065,061,705	1,323,873,608	3,235,659,449	9,478,558,150	0.600
2020	13,791,388,114	890,817,382	934,281,655	1,101,044,160	1,347,269,666	4,065,107,499	8,338,520,362	0.605
2021	6,338,007,228	112,145,414	309,757,661	174,033,878	663,616,968	2,394,300,876	3,653,854,797	0.576

\* Shown for informational purposes only.

\*\* Paid medical for accident years 2011 and subsequent exclude the paid cost of medical cost containment programs (MCCP). Paid medical for accident years 2010 and prior include paid MCCP costs.

Source: WCIRB quarterly experience calls, excluding COVID-19 claims.

**Incurred Indemnity Loss Development Factors**

Accident Year	Age-to-Age (in months)															
	<u>30/18</u>	<u>42/30</u>	<u>54/42</u>	<u>66/54</u>	<u>78/66</u>	<u>90/78</u>	<u>102/90</u>	<u>114/102</u>	<u>126/114</u>	<u>138/126</u>	<u>150/138</u>	<u>162/150</u>	<u>174/162</u>	<u>186/174</u>	<u>198/186</u>	<u>210/198</u>
1995												1.000	1.003	1.002	1.000	1.002
1996											1.002	1.001	1.000	1.000	1.002	1.001
1997										1.005	1.002	1.002	1.002	1.002	1.000	1.001
1998									1.005	1.004	1.001	1.005	1.004	1.000	1.002	1.001
1999								1.003	1.007	1.002	1.004	1.003	1.004	1.001	1.001	1.001
2000							1.008	1.006	1.005	1.005	1.005	1.002	1.004	1.002	1.001	1.001
2001						1.014	1.013	1.006	1.008	1.008	1.005	1.004	1.002	1.001	1.002	1.001
2002					1.022	1.017	1.010	1.010	1.008	1.007	1.002	1.004	1.002	1.002	1.002	1.002
2003				1.037	1.028	1.016	1.020	1.017	1.010	1.008	1.005	1.003	1.003	1.003	1.002	1.005
2004			1.051	1.044	1.032	1.029	1.021	1.015	1.014	1.005	1.005	1.002	1.001	1.004	1.003	1.001
2005		1.129	1.083	1.059	1.047	1.035	1.020	1.013	1.009	1.004	1.005	1.004	1.003	1.006	1.003	
2006	1.402	1.158	1.089	1.067	1.044	1.029	1.020	1.008	1.007	1.008	1.004	1.002	1.006	1.002		
2007	1.446	1.171	1.090	1.060	1.040	1.028	1.017	1.012	1.008	1.005	1.009	1.005	1.003			
2008	1.472	1.200	1.100	1.057	1.034	1.022	1.017	1.009	1.010	1.007	1.006	1.005				
2009	1.504	1.190	1.106	1.059	1.035	1.021	1.016	1.011	1.008	1.010	1.006					
2010	1.502	1.199	1.096	1.055	1.030	1.022	1.014	1.012	1.007	1.006						
2011	1.487	1.180	1.092	1.046	1.029	1.022	1.013	1.008	1.010							
2012	1.471	1.174	1.083	1.049	1.029	1.021	1.016	1.009								
2013	1.453	1.161	1.076	1.041	1.027	1.014	1.009									
2014	1.464	1.174	1.080	1.043	1.020	1.012										
2015	1.465	1.150	1.071	1.033	1.024											
2016	1.437	1.145	1.069	1.030												
2017	1.429	1.148	1.056													
2018	1.413	1.129														
2019	1.403															

(a) Selections are latest year for the 18-to-30 month through 102-to-114 month factors and six-year average for the subsequent age-to-age factors.

**Incurred Indemnity Loss Development Factors (Continued)**

Accident Year	222/210	234/222	246/234	258/246	270/258	282/270	294/282	306/294	Age-to-Age (in months)										354/342	366/354	378/366	390/378	402/390	414/402	426/414	438/426	UL T/438Inc (b)
1983								1.000	0.999	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.001	1.001	1.001	1.001				
1984							1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.001	1.001	1.001	1.001				
1985						1.000	1.000	1.001	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000	1.000				
1986					1.001	1.000	1.001	1.000	1.002	1.002	1.002	1.002	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.001	1.000	1.001	1.000				
1987				0.999	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.001	1.000	1.000	1.000				
1988			1.000	1.000	1.000	1.002	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.001	1.000	1.000	1.000				
1989		1.000	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.001	1.000	1.000	1.001	1.000	1.000	1.000	1.000				
1990	1.000	1.001	1.000	1.000	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000				
1991	1.001	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.001	1.001	1.001				
1992	1.000	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.000	1.000	1.001	1.000	1.000	1.000				
1993	1.000	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.000	1.000	1.001	1.000	1.000	1.000				
1994	1.002	1.002	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
1995	1.002	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
1996	1.002	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.001				
1997	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
1998	1.001	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001				
1999	1.000	1.000	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
2000	1.002	1.001	1.001	1.000	1.000	1.001	1.001	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001				
2001	1.001	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001				
2002	1.002	1.002	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
2003	1.001																										
Selected (a)	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.001	1.001	1.001				
Cumulative	1.013	1.012	1.011	1.010	1.009	1.009	1.008	1.008	1.007	1.007	1.007	1.007	1.006	1.006	1.006	1.005	1.005	1.005	1.005	1.004	1.004	1.003	1.002				

(b) The ULT/438Inc tail factor was calculated based on an inverse power curve fit to a six-year average of the 114-to-126 through 342-to-354 factors, excluding the 2016, 2017, and 2018 evaluations, and extrapolated to 80 development years.

**Incurred Medical Loss Development Factors**

Accident Year	<u>30/18</u>	<u>42/30</u>	<u>54/42</u>	<u>66/54</u>	<u>78/66</u>	<u>90/78</u>	<u>102/90</u>	<u>114/102</u>	<u>126/114</u>	<u>138/126</u>	<u>150/138</u>	<u>162/150</u>	<u>174/162</u>	<u>186/174</u>	<u>198/186</u>	<u>210/198</u>
1995												1.025	1.022	1.012	1.005	1.012
1996											1.015	1.020	1.015	1.017	1.008	1.006
1997										1.024	1.018	1.019	1.010	1.008	1.006	1.003
1998									1.032	1.019	1.020	1.010	1.010	1.012	1.008	1.008
1999								1.035	1.025	1.018	1.016	1.011	1.011	1.010	1.002	1.000
2000							1.039	1.022	1.022	1.019	1.018	1.014	1.010	1.003	0.996	0.996
2001						1.041	1.041	1.028	1.032	1.019	1.015	1.019	1.002	0.998	0.997	0.997
2002					1.052	1.037	1.034	1.026	1.026	1.018	1.010	1.006	0.997	0.999	1.001	0.998
2003				1.061	1.050	1.043	1.038	1.033	1.024	1.016	1.006	0.999	1.001	0.999	1.002	1.004
2004			1.099	1.071	1.060	1.052	1.036	1.029	1.024	1.006	1.003	0.998	0.999	0.999	1.001	0.999
2005		1.112	1.076	1.083	1.065	1.053	1.038	1.026	1.014	1.007	1.000	1.003	0.998	1.002	0.998	
2006	1.266	1.141	1.092	1.073	1.055	1.050	1.030	1.014	1.004	1.003	1.004	1.001	1.002	1.000		
2007	1.293	1.150	1.101	1.074	1.063	1.036	1.025	1.011	1.006	1.003	1.004	1.001	0.997			
2008	1.294	1.164	1.106	1.077	1.051	1.031	1.017	1.006	1.006	1.004	1.002	0.997				
2009	1.322	1.170	1.117	1.072	1.042	1.023	1.009	1.007	1.003	1.009	1.002					
2010	1.347	1.184	1.096	1.058	1.035	1.017	1.011	1.011	1.005	1.001						
2011	1.340	1.157	1.090	1.049	1.023	1.015	1.008	1.004	1.005							
2012	1.282	1.127	1.071	1.044	1.021	1.015	1.011	1.005								
2013	1.257	1.107	1.061	1.026	1.019	1.009	1.003									
2014	1.240	1.110	1.050	1.033	1.018	1.008										
2015	1.247	1.096	1.041	1.024	1.012											
2016	1.213	1.069	1.044	1.021												
2017	1.192	1.084	1.030													
2018	1.185	1.072														
2019	1.195															
Selected (a)	1.195	1.072	1.030	1.021	1.012	1.008	1.003	1.005	1.005	1.005	1.003	1.000	0.999	1.000	0.999	0.999
Cumulative	1.395	1.167	1.089	1.057	1.035	1.023	1.015	1.012	1.007	1.002	0.998	0.995	0.995	0.996	0.997	0.998

(a) Selections are latest year for the 18-to-30 month through 102-to-114 month factors and six-year average for the subsequent age-to-age factors.

(b) Incurred medical loss development factors include the paid cost of medical cost containment programs for accident years 2011 and prior.

**Incurred Medical Loss Development Factors (Continued)**

Accident Year	222/210	234/222	246/234	258/246	270/258	282/270	294/282	306/294	Age-to-Age (in months)										354/342	366/354	378/366	390/378	402/390	414/402	426/414	438/426	ULT/438Inc (c)
1983								1.003	1.005	1.003	1.004	1.004	1.002	1.003	1.004	1.002	1.004	1.000	1.000	0.997	1.000	1.004					
1984							1.004	1.001	1.001	1.004	1.001	1.004	1.001	1.003	1.004	1.002	1.003	1.000	1.001	1.000	1.000	1.000					
1985						0.998	1.004	1.002	1.003	1.005	1.003	1.004	1.001	1.003	1.004	1.004	0.999	1.000	0.999	1.001	1.000	1.001					
1986					1.006	1.003	1.006	1.007	1.005	1.004	1.004	1.004	1.001	1.004	1.004	1.001	1.000	0.998	1.009	0.999	0.993	1.001					
1987				1.002	1.004	1.010	1.001	1.004	1.003	1.004	1.001	1.001	1.001	1.004	1.001	1.001	1.000	1.003	1.003	0.998							
1988			1.003	1.004	1.005	1.003	1.005	1.003	1.003	1.003	1.001	0.999	1.001	0.999	0.999	0.999	0.998	1.000	1.002	0.999							
1989		1.008	1.006	1.006	1.006	1.006	1.005	1.000	1.002	0.998	0.998	0.999	1.000	0.999	0.999	0.999	1.000	1.002	0.999								
1990	1.005	1.005	1.007	1.005	1.003	1.003	0.999	1.000	1.001	1.000	0.998	0.999	1.001	0.998	0.999	0.999	0.999	1.000	1.002	0.999							
1991	1.007	1.005	1.004	1.002	1.004	1.001	1.002	1.001	0.999	0.999	0.999	0.999	1.001	1.001	1.001	1.001	1.001	1.000	1.001								
1992	1.007	0.997	1.007	1.004	1.004	1.002	1.004	0.999	1.002	0.997	1.001	0.997	1.001	0.997	1.001	1.000											
1993	1.004	1.013	1.011	1.002	1.000	0.998	0.996	0.999	0.999	0.999	1.000	0.997	1.001	0.997	1.001												
1994	1.012	1.005	1.006	1.001	1.003	0.993	0.999	0.998	1.002	0.998																	
1995	1.002	1.007	1.002	0.999	0.999	0.997	0.999	1.003	1.000																		
1996	1.008	1.001	0.998	1.002	0.996	0.999	1.000	0.999																			
1997	0.998	0.994	0.998	0.998	1.000	0.999	0.995																				
1998	1.000	0.997	0.999	1.004	1.001	0.998																					
1999	0.996	1.000	0.998	1.002	0.998																						
2000	0.998	0.999	1.001	0.997																							
2001	1.004	0.998	0.999																								
2002	1.001																										
2003	1.000																										

Selected (a)  
Cumulative

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(c) The ULT/438Inc tail factor was calculated based on an inverse power curve fit to a six-year average of the 114-to-126 through 342-to-354 factors, excluding the 2016, 2017, and 2018 evaluations, and extrapolated to 80 development years.



**Paid Indemnity Loss Development Factors**

Accident Year	30/18	42/30	54/42	66/54	78/66	90/78	102/90	Age-to-Age (in months)							162/150	174/162	186/174	198/186	210/198
								114/102	126/114	138/126	150/138								
1995															1.008	1.007	1.005	1.003	1.005
1996											1.011				1.008	1.007	1.004	1.005	1.004
1997										1.014	1.010				1.007	1.007	1.004	1.005	1.004
1998									1.018	1.014	1.010				1.009	1.008	1.006	1.005	1.004
1999								1.020	1.017	1.012	1.010				1.008	1.008	1.007	1.005	1.006
2000								1.021	1.014	1.011	1.010				1.008	1.008	1.006	1.005	1.004
2001								1.020	1.016	1.013	1.012				1.009	1.008	1.006	1.006	1.005
2002								1.025	1.018	1.017	1.014				1.009	1.006	1.006	1.004	1.005
2003								1.028	1.025	1.022	1.018				1.009	1.009	1.007	1.006	1.007
2004								1.040	1.032	1.023	1.017				1.011	1.008	1.009	1.008	1.006
2005								1.047	1.033	1.023	1.018				1.011	1.011	1.009	1.008	1.008
2006	1.910	1.337						1.042	1.027	1.024	1.019				1.010	1.009	1.009	1.008	1.008
2007	1.909	1.351						1.038	1.031	1.024	1.016				1.013	1.009	1.009	1.008	1.008
2008	1.933	1.386						1.049	1.035	1.024	1.017				1.013	1.010	1.009	1.008	1.008
2009	2.012	1.402						1.037	1.027	1.021	1.014				1.010	1.010	1.009	1.008	1.008
2010	2.020	1.414						1.033	1.023	1.018	1.012				1.013	1.010	1.009	1.008	1.008
2011	2.035	1.394						1.034	1.020	1.017	1.011				1.015	1.010	1.009	1.008	1.008
2012	2.019	1.387						1.027	1.020	1.017	1.012				1.011	1.010	1.009	1.008	1.008
2013	2.013	1.389						1.024	1.020	1.019	1.012				1.011	1.010	1.009	1.008	1.008
2014	2.066	1.396						1.031	1.023	1.018	1.012				1.013	1.010	1.009	1.008	1.008
2015	2.056	1.372						1.034	1.020	1.017	1.012				1.013	1.010	1.009	1.008	1.008
2016	1.999	1.359						1.034	1.020	1.017	1.012				1.013	1.010	1.009	1.008	1.008
2017	1.990	1.338						1.034	1.020	1.017	1.012				1.013	1.010	1.009	1.008	1.008
2018	1.934	1.336						1.034	1.020	1.017	1.012				1.013	1.010	1.009	1.008	1.008
2019	1.946							1.034	1.020	1.017	1.012				1.013	1.010	1.009	1.008	1.008
Selected (a)	1.946	1.336	1.149	1.079	1.049	1.031	1.024	1.020	1.019	1.014	1.013				1.011	1.010	1.009	1.007	1.006
Cumulative	4.156	2.136	1.599	1.391	1.289	1.229	1.192	1.164	1.142	1.121	1.105				1.091	1.079	1.068	1.059	1.051

(a) Selections are latest year for the 18-to-30 month through 102-to-114 month factors and three-year average for the subsequent age-to-age factors.

(b) The UL T/438Pd tail factor was calculated based on an inverse power curve fit to a four-year average of the 114-to-126 through 342-to-354 factors and extrapolated to 80 development years.

**Paid Medical Loss Development Factors**

Unadjusted (a) Accident Year	Age-to-Age (in months)														
	30/18	42/30	54/42	66/54	78/66	90/78	102/90	114/102	126/114	138/126	150/138	162/150	174/162	186/174	198/186
1995															
1996															
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Adjusted (b) Accident Year	Age-to-Age (in months)														
	30/18	42/30	54/42	66/54	78/66	90/78	102/90	114/102	126/114	138/126	150/138	162/150	174/162	186/174	198/186
2002															
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2019															

Selected (c)	1.632	1.269	1.136	1.079	1.052	1.038	1.025	1.022	1.022	1.017	1.016	1.014	1.013	1.013	1.011
Cumulative Unadjusted for Impact of SB 1160	3.901	2.390	1.883	1.658	1.537	1.461	1.407	1.373	1.343	1.314	1.293	1.272	1.254	1.238	1.208
Cumulative Adjusted for Impact of SB 1160(d)	3.801	2.329	1.835	1.616	1.513	1.453	---	---	---	---	---	---	---	---	---

- (a) Paid medical loss development factors include the paid cost of medical cost containment programs for accident years 2011 and prior.  
 (b) These factors are adjusted for the losses paid prior to July 1, 2017 by -3.6%, -3.8%, -3.4%, -0.9%, and -0.1% to accident years 2011 to 2016, respectively, for the SB 1160 lien reforms. Factors are also adjusted for the impact of pharmaceutical cost reductions to bring the historical payments to the current pharmaceutical cost level.  
 (c) Selections are latest year for the 18-to-30 month through 102-to-114 month factors and three-year average for the subsequent age-to-age factors.  
 (d) The cumulative factors for 54, 66, and 78 months are adjusted by -2.6%, -1.5%, and -0.5%, respectively, for the impact of the SB 1160 reductions in future lien filings.

**Paid Medical Loss Development Factors (Continued)**

Unadjusted (a) Accident Year	Age-to-Age (in months)															
	222/210	234/222	246/234	258/246	270/258	282/270	294/282	306/294	318/306	330/318	342/330	354/342	366/354	378/366	390/378	402/390
1983								1.004	1.004	1.005	1.004	1.004	1.003	1.004	1.004	1.002
1984							1.003	1.003	1.003	1.004	1.003	1.003	1.003	1.003	1.002	1.002
1985						1.006	1.004	1.004	1.003	1.004	1.004	1.003	1.002	1.002	1.003	1.002
1986					1.004	1.005	1.005	1.005	1.005	1.005	1.005	1.006	1.004	1.005	1.005	1.003
1987				1.007	1.005	1.005	1.005	1.005	1.004	1.006	1.004	1.003	1.003	1.002	1.003	1.003
1988			1.007	1.005	1.005	1.005	1.005	1.005	1.004	1.003	1.003	1.003	1.004	1.003	1.002	1.003
1989		1.007	1.005	1.005	1.006	1.008	1.006	1.005	1.006	1.003	1.003	1.004	1.002	1.004	1.002	1.003
1990	1.005	1.005	1.005	1.005	1.005	1.005	1.005	1.004	1.003	1.002	1.003	1.003	1.002	1.003	1.002	1.003
1991	1.007	1.006	1.005	1.006	1.005	1.006	1.005	1.004	1.003	1.003	1.004	1.003	1.003	1.002	1.003	1.002
1992	1.008	1.002	1.006	1.007	1.006	1.006	1.005	1.004	1.005	1.006	1.003	1.002	1.003	1.002	1.003	1.002
1993	1.012	1.010	1.010	1.012	1.010	1.008	1.005	1.006	1.007	1.004	1.003	1.002	1.003	1.002	1.003	1.002
1994	1.010	1.010	1.011	1.011	1.007	1.008	1.005	1.004	1.004	1.005	1.003	1.003	1.003	1.002	1.003	1.002
1995	1.014	1.015	1.012	1.010	1.013	1.007	1.007	1.008	1.005	1.005	1.003	1.003	1.004	1.003	1.002	1.003
1996	1.013	1.013	1.010	1.007	1.008	1.009	1.006	1.005	1.005	1.006	1.003	1.003	1.002	1.004	1.002	1.003
1997	1.014	1.008	1.006	1.006	1.008	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006
1998	1.012	1.009	1.007	1.010	1.006	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007
1999	1.011	1.009	1.009	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007
2000	1.008	1.007	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006
2001	1.010	1.009	1.008													
2002	1.008	1.007														
2003	1.009															

Adjusted (b) Accident Year	Age-to-Age (in months)															
	222/210	234/222	246/234	258/246	270/258	282/270	294/282	306/294	318/306	330/318	342/330	354/342	366/354	378/366	390/378	402/390
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Selected (c)	1.010	1.009	1.009	1.009	1.007	1.008	1.007	1.006	1.006	1.005	1.004	1.003	1.003	1.004	1.003	1.003
Cumulative	1.194	1.183	1.172	1.162	1.152	1.144	1.135	1.127	1.120	1.113	1.107	1.103	1.100	1.097	1.093	1.081

(e) The UL T/438Pd tail factor was calculated based on an inverse power curve fit to a four-year average of the 114-to-126 through 342-to-354 adjusted factors and extrapolated to 80 development years.

Selected Indemnity Development Factors - Paid to Ultimate

Accident Year	Age-to-Age (in months)																				
	30/18	42/30	54/42	66/54	78/66	90/78	102/90	114/102	126/114	138/126	150/138	162/150	174/162	186/174	198/186	210/198	222/210	234/222	246/234	258/246	270/258
1994													1.006	1.004	1.003	1.004	1.004	1.003	1.003	1.003	1.002
1995												1.008	1.007	1.005	1.003	1.005	1.005	1.004	1.004	1.002	1.003
1996											1.011	1.008	1.007	1.004	1.005	1.004	1.004	1.004	1.004	1.003	1.002
1997										1.014	1.010	1.007	1.007	1.006	1.005	1.004	1.004	1.003	1.002	1.003	1.002
1998									1.018	1.014	1.009	1.009	1.008	1.007	1.005	1.006	1.005	1.004	1.003	1.004	1.002
1999								1.020	1.017	1.012	1.010	1.008	1.008	1.006	1.005	1.004	1.004	1.003	1.003	1.003	1.002
2000									1.021	1.014	1.011	1.010	1.008	1.006	1.004	1.004	1.004	1.003	1.003	1.003	1.002
2001						1.041	1.028	1.020	1.016	1.013	1.012	1.009	1.008	1.006	1.006	1.005	1.005	1.004	1.004	1.003	1.003
2002					1.058	1.039	1.025	1.018	1.017	1.014	1.009	1.009	1.009	1.006	1.006	1.004	1.005	1.004	1.004	1.004	1.004
2003						1.056	1.035	1.028	1.022	1.018	1.014	1.009	1.009	1.007	1.006	1.007	1.007	1.007	1.007	1.007	1.007
2004			1.160	1.090	1.060	1.044	1.040	1.032	1.023	1.017	1.013	1.011	1.008	1.009	1.008	1.006	1.006	1.004	1.004	1.004	1.004
2005		1.337	1.167	1.095	1.068	1.054	1.047	1.033	1.023	1.018	1.014	1.011	1.008	1.009	1.008	1.006	1.006	1.004	1.004	1.004	1.004
2006	1.910	1.337	1.171	1.110	1.077	1.059	1.042	1.027	1.024	1.019	1.014	1.010	1.009	1.009	1.008	1.008	1.007	1.006	1.006	1.006	1.006
2007	1.909	1.351	1.182	1.114	1.076	1.056	1.038	1.031	1.024	1.016	1.015	1.013	1.010	1.009	1.008	1.008	1.007	1.006	1.006	1.006	1.006
2008	1.933	1.386	1.200	1.118	1.072	1.049	1.035	1.024	1.020	1.017	1.011	1.010	1.010	1.009	1.008	1.008	1.007	1.006	1.006	1.006	1.006
2009	2.012	1.402	1.207	1.118	1.075	1.050	1.037	1.027	1.021	1.014	1.012	1.012	1.012	1.011	1.009	1.008	1.007	1.006	1.006	1.006	1.006
2010	2.020	1.414	1.201	1.114	1.073	1.047	1.033	1.023	1.018	1.012	1.012	1.012	1.012	1.011	1.009	1.008	1.007	1.006	1.006	1.006	1.006
2011	2.035	1.394	1.190	1.113	1.069	1.048	1.034	1.020	1.017	1.011	1.011	1.011	1.011	1.009	1.008	1.008	1.007	1.006	1.006	1.006	1.006
2012	2.019	1.387	1.186	1.108	1.067	1.042	1.027	1.020	1.017	1.011	1.011	1.011	1.011	1.009	1.008	1.008	1.007	1.006	1.006	1.006	1.006
2013	2.013	1.389	1.182	1.095	1.056	1.034	1.024	1.020	1.017	1.011	1.011	1.011	1.011	1.009	1.008	1.008	1.007	1.006	1.006	1.006	1.006
2014	2.066	1.396	1.176	1.095	1.052	1.031	1.024	1.020	1.017	1.011	1.011	1.011	1.011	1.009	1.008	1.008	1.007	1.006	1.006	1.006	1.006
2015	2.056	1.372	1.166	1.082	1.049																
2016	1.999	1.359	1.148	1.079																	
2017	1.990	1.338	1.149																		
2018	1.934	1.336																			
2019	1.946																				
Selected (a)	1.929(b)	1.373(b)	1.161(b)	1.077(b)	1.046(b)	1.033	1.026	1.020	1.019	1.014	1.013	1.011	1.010	1.009	1.007	1.006	1.005	1.004	1.003	1.003	1.002
Cumulative	4.238	2.197	1.601	1.379	1.281	1.225	1.186	1.157	1.134	1.113	1.097	1.084	1.072	1.061	1.052	1.044	1.038	1.032	1.029	1.025	1.022

(a) Selections are two-year averages for the 18-to-30 month through 102-to-114 month factors and three-year averages for the subsequent paid age-to-age factors.

(b) Based on calculations shown on Exhibits 2.5.3 to 2.5.8. Each of these selections is calculated as the two-year average paid indemnity age-to-age factor multiplied by an adjustment for changes in claim settlement rates.

**Selected Indemnity Development Factors - Paid to Ultimate (Continued)**

Accident Year	Age-to-Age (in months)															
	282/270	294/282	306/294	318/306	330/318	342/330	354/342	366/354	378/366	390/378	402/390	414/402	426/414	438/426	ULT/438Pd (d)	
1983			1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001		
1984		1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.001	1.000	1.001	1.001		
1985	1.001	1.001	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000		
1986	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.000	1.001		
1987	1.001	1.001	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001				
1988	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.001					
1989	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000						
1990	1.001	1.001	1.001	1.001	1.000	1.001	1.001	1.001	1.001							
1991	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001								
1992	1.001	1.001	1.001	1.001	1.001	1.001	1.001									
1993	1.001	1.001	1.001	1.001	1.001	1.001										
1994	1.002	1.002	1.001	1.001	1.002											
1995	1.002	1.002	1.003	1.002												
1996	1.003	1.002	1.003													
1997	1.003	1.003														
1998	1.003															
Unadjusted (a)	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.001	1.009
Selected (c)	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.001	1.006
Cumulative	1.019	1.016	1.015	1.013	1.012	1.011	1.010	1.010	1.009	1.008	1.008	1.007	1.007	1.006	1.006	1.006

- (c) Adjusted for the impact of changes in claim settlement rates on later period development for 282 months and later. See Exhibits 2.5.9 through 2.5.12.  
(d) The ULT/438Pd tail factor was calculated based on an inverse power curve fit to a four-year average of the 114-to-126 through 342-to-354 factors and extrapolated to 80 development years.

**Paid Indemnity Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

A. Total Reported Indemnity Claim Counts

Accident	Evaluated as of (in months)					
<u>Year</u>	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						122,838
2013					130,802	130,961
2014				136,585	136,974	137,128
2015			141,445	141,961	142,368	142,583
2016		143,386	145,100	145,716	146,028	
2017	136,336	143,516	145,340	145,956		
2018	138,800	146,418	148,039			
2019	140,905	149,181				
2020	123,435					

B. Development of Total Reported Indemnity Claim Counts

Accident	Age-to-Age Development (in months):					
<u>Year</u>	<u>18-30</u>	<u>30-42</u>	<u>42-54</u>	<u>54-66</u>	<u>66-78</u>	<u>78-Ult</u>
2013					1.001	
2014				1.003	1.001	
2015			1.004	1.003	1.002	
2016		1.012	1.004	1.002		
2017	1.053	1.013	1.004			
2018	1.055	1.011				
2019	1.059					
Latest Year	1.059	1.011	1.004	1.002	1.002	
Cumulative	1.084	1.024	1.013	1.009	1.006	1.005

Acc. Year	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>
Ult. Claim Counts	133,836	152,778	149,948	147,215	146,973	143,289

C. Closed Indemnity Claim Counts

Accident	Evaluated as of (in months)					
<u>Year</u>	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						111,042
2013					114,585	120,126
2014				113,029	121,620	126,654
2015			106,313	120,365	128,016	132,209
2016		90,051	112,663	124,990	131,730	
2017	61,665	94,052	114,155	125,312		
2018	63,515	94,753	113,988			
2019	63,218	92,814				
2020	54,391					

Source: Accident year experience of insurers with available claim count data, excluding COVID-19 claims.

**Paid Indemnity Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

D. Ultimate Indemnity Claim Settlement Ratio (a)

Accident Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						89.9%
2013					87.0%	91.2%
2014				82.0%	88.3%	91.9%
2015			74.2%	84.0%	89.3%	92.3%
2016		61.3%	76.7%	85.0%	89.6%	
2017	41.9%	63.9%	77.5%	85.1%		
2018	42.4%	63.2%	76.0%			
2019	41.4%	60.8%				
2020	40.6%					

E. Adjusted Closed Indemnity Claim Counts at Equal Percentiles of Ultimate Claim Counts (b)

Accident Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						113,952
2013					118,100	121,576
2014				117,304	123,515	127,151
2015			108,926	121,970	128,428	132,209
2016		89,287	111,726	125,106	131,730	
2017	59,828	89,434	111,910	125,312		
2018	60,939	91,095	113,988			
2019	62,089	92,814				
2020	54,391					

F. Average Paid Indemnity per Closed Claim

Accident Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						17,699
2013					16,318	17,714
2014				15,217	17,273	18,578
2015			12,885	15,892	17,664	18,797
2016		8,794	12,955	15,531	17,192	
2017	4,316	9,001	12,859	15,484		
2018	4,650	9,310	13,207			
2019	4,740	9,300				
2020	5,129					

- (a) Ratio of closed indemnity claim counts (Item C) to the estimated ultimate indemnity claim counts (Item B) for that accident year.
- (b) The claim counts for the latest evaluation of each accident year are equal to the reported number of closed indemnity claims. All prior evaluations shown are the product of the latest ultimate indemnity claim settlement ratio (Item D) and the ultimate indemnity claim counts (Item B) for that accident year.

Source: Accident year experience of insurers with available claim count data, excluding COVID-19 claims.



**Paid Indemnity Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

G. Adjusted Average Paid Indemnity per Closed Claim (c)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						18,652
2013					17,190	18,104
2014				16,208	17,754	18,724
2015			13,398	16,248	17,773	18,797
2016		8,644	12,749	15,559	17,192	
2017	4,146	8,106	12,357	15,484		
2018	4,407	8,583	13,207			
2019	4,634	9,300				
2020	5,129					
2021						

H. Adjusted Paid Indemnity on Closed Claims (in \$000) (d)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						2,125,396
2013					2,030,176	2,200,985
2014				1,901,226	2,192,840	2,380,742
2015			1,459,374	1,981,825	2,282,506	2,485,179
2016		771,775	1,424,364	1,946,505	2,264,656	
2017	248,070	724,916	1,382,872	1,940,331		
2018	268,570	781,875	1,505,432			
2019	287,691	863,154				
2020	278,976					

I. Paid Indemnity on Open Claims (in \$000)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						467,300
2013					547,618	424,466
2014				690,580	537,847	423,636
2015			830,579	652,655	514,451	426,783
2016		855,281	779,740	629,597	509,204	
2017	580,405	838,391	786,321	649,949		
2018	612,396	873,518	839,566			
2019	652,480	989,492				
2020	611,864					

(c) Adjusted based on ultimate indemnity claim settlement ratios (Item D) and assuming a log-linear relationship between maturities.

(d) Each amount is the product of the adjusted closed indemnity claim counts (Item E) and the adjusted average paid indemnity per closed claim (Item G), and divided by \$1,000.

Source: Accident year experience of insurers with available claim count data, excluding COVID-19 claims.

**Paid Indemnity Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

J. Average Paid Indemnity per Open Claim for Indemnity Claims in Transition (e)

Accident Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						39,615
2013					33,767	39,179
2014				29,316	35,028	40,446
2015			23,642	30,222	35,845	41,140
2016		12,521	22,450	30,377	35,614	
2017	5,696	12,955	23,729	31,484		
2018	5,976	13,557	24,656			
2019	6,424	17,554				
2020	8,862					

K. Changes in Paid Indemnity on Open Claims Resulting from the Impact of Changes in  
Claim Settlement Rates (in \$000) (f)

Accident Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						-115,279
2013					-118,692	-56,809
2014				-125,326	-66,378	-20,102
2015			-61,775	-48,506	-14,768	
2016		9,566	21,036	-3,524		
2017	10,463	59,825	53,272			
2018	15,395	49,593				
2019	7,253					

L. Adjusted Paid Indemnity on Open Claims (in \$000) (g)

Accident Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						352,021
2013					428,926	367,657
2014				565,253	471,469	403,534
2015			768,803	604,149	499,683	426,783
2016		864,848	800,776	626,073	509,204	
2017	590,868	898,216	839,593	649,949		
2018	627,792	923,111	839,566			
2019	659,733	989,492				
2020	611,864					

- (e) Each amount is equal to the product of [the average monthly indemnity payment per open indemnity claim] and [the number of months for the current evaluation]. For evaluations indicating claim settlement rate decreases, the average monthly indemnity payment per open indemnity claim at the prior evaluation is used. For evaluations indicating claim settlement rate increases, the average monthly indemnity payment per open indemnity claim at the same evaluation is used.
- (f) Each amount is equal to [the difference between unadjusted and adjusted closed indemnity claim counts (Items C and E)] multiplied by the corresponding [average paid indemnity per open claim for indemnity claims in transition (Item J)].
- (g) Each amount is the sum of [paid indemnity on open claims (Item I)] and the corresponding [incremental changes in paid indemnity on open claims resulting from the impact of changes in claim settlement rates (Item K)].

Source: Accident year experience of insurers with available claim count data, excluding COVID-19 claims.

**Paid Indemnity Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

M. Adjusted Total Paid Indemnity (in \$000) (h)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						2,477,417
2013					2,459,102	2,568,642
2014				2,466,479	2,664,309	2,784,276
2015			2,228,177	2,585,974	2,782,188	2,911,961
2016		1,636,623	2,225,140	2,572,578	2,773,860	
2017	838,939	1,623,132	2,222,465	2,590,280		
2018	896,361	1,704,985	2,344,998			
2019	947,424	1,852,646				
2020	890,840					

N. Paid Indemnity Loss Development Factors Based on Adjusted Total Paid Indemnity

Accident Year	Evaluated as of (in months)				
	18-30	30-42	42-54	54-66	66-78
2012					
2013					1.045
2014				1.080	1.045
2015			1.161	1.076	1.047
2016		1.360	1.156	1.078	
2017	1.935	1.369	1.165		
2018	1.902	1.375			
2019	1.955				
Latest Year	1.955	1.375	1.165	1.078	1.047
3-Year Average	1.931	1.368	1.161	1.078	1.045

O. Paid Indemnity Loss Development Factors (i)

Accident Year	Evaluated as of (in months)				
	18-30	30-42	42-54	54-66	66-78
2013					1.056
2014				1.095	1.052
2015			1.166	1.082	1.049
2016		1.359	1.148	1.079	
2017	1.990	1.338	1.149		
2018	1.934	1.336			
2019	1.946				

- (h) Each amount is the sum of the adjusted paid indemnity on closed claims (Item H) and the adjusted paid indemnity on open claims (Item L).
- (i) Development factors are based on paid indemnity losses from the same insurer mix as that used in the adjustment for changes in claim settlement rates and applied in the calculation of the development factors in Item N.

Source: Accident year experience of insurers with available claim count data, excluding COVID-19 claims.

**Paid Indemnity Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

P. Impact of Adjustment for Changes in Claim Settlement Rates (j)

Accident Year	Evaluated as of (in months)				
	<u>18-30</u>	<u>30-42</u>	<u>42-54</u>	<u>54-66</u>	<u>66-78</u>
2013					-1.07%
2014				-1.32%	-0.69%
2015			-0.45%	-0.56%	-0.23%
2016		0.01%	0.70%	-0.07%	
2017	-2.79%	2.35%	1.43%		
2018	-1.66%	2.97%			
2019	0.49%				

Q. Paid Indemnity Loss Development Factors Adjusted for Changes in  
Indemnity Claim Settlement Rates (k)

Accident Year	Evaluated as of (in months)				
	<u>18-30</u>	<u>30-42</u>	<u>42-54</u>	<u>54-66</u>	<u>66-78</u>
2013					1.045
2014				1.081	1.045
2015			1.161	1.076	1.047
2016		1.359	1.156	1.078	
2017	1.934	1.369	1.165		
2018	1.902	1.376			
2019	1.956				
Latest Year	1.956	1.376	1.165	1.078	1.047
2-Year Average	1.929	1.373	1.161	1.077	1.046
3-Year Average	1.931	1.368	1.161	1.078	1.045

- (j) Each factor represents the change in age-to-age development factors from Item O to those in Item N.  
(k) Each factor is the product of [1.0 + the impact of adjustment for changes in claim settlement rates (Item P)] and [the paid indemnity age-to-age development factor from Exhibit 2.5.1].

Source: Accident year experience of insurers with available claim count data, excluding COVID-19 claims.

**Paid Loss Development Factors**  
**Adjusted for the Impact of Claim Settlement Rate**  
**Changes on Later Period Development**

1. Reported Closed Indemnity Claim Counts

Accident	Evaluated as of (in months)									
Year	<u>282</u>	<u>294</u>	<u>306</u>	<u>318</u>	<u>330</u>	<u>342</u>	<u>354</u>	<u>366</u>	<u>378</u>	<u>390</u>
1989							231,011	231,090	231,177	231,244
1990						231,749	231,871	231,950	232,032	
1991					182,557	182,650	182,721	182,805		
1992				142,960	143,050	143,126	143,194			
1993			130,357	130,463	130,535	130,634				
1994		121,588	121,720	121,818	121,922					
1995	116,641	116,781	116,900	117,005						
1996	121,236	121,402	121,536							
1997	131,578	131,741								
1998	133,419									
1999										

Accident Year	<u>1998</u>	<u>1997</u>	<u>1996</u>	<u>1995</u>	<u>1994</u>	<u>1993</u>	<u>1992</u>	<u>1991</u>	<u>1990</u>	<u>1989</u>
---------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

<u>2. Ult. Claim Counts (a)</u>	134,802	133,006	122,512	117,783	122,621	131,208	143,677	183,242	232,506	231,603
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3. Ultimate Indemnity Claim Settlement Ratio (b)

Accident	Evaluated as of (in months)									
Year	<u>282</u>	<u>294</u>	<u>306</u>	<u>318</u>	<u>330</u>	<u>342</u>	<u>354</u>	<u>366</u>	<u>378</u>	<u>390</u>
1989							99.7%	99.8%	99.8%	99.8%
1990						99.7%	99.7%	99.8%	99.8%	
1991					99.6%	99.7%	99.7%	99.8%		
1992				99.5%	99.6%	99.6%	99.7%			
1993			99.4%	99.4%	99.5%	99.6%				
1994		99.2%	99.3%	99.3%	99.4%					
1995	99.0%	99.1%	99.3%	99.3%						
1996	99.0%	99.1%	99.2%							
1997	98.9%	99.0%								
1998	99.0%									

(a) Based on the latest year age-to-age development in indemnity claim counts. See Exhibit 2.5.3.

(b) Ratio of closed indemnity claim counts (Item 1) to the estimated ultimate indemnity claim counts (Item 2) for that accident year.

Source: Accident year experience of insurers with available claim count data

**Paid Loss Development Factors**  
**Adjusted for the Impact of Claim Settlement Rate**  
**Changes on Later Period Development**

4. Ratio of Incremental Closed Indemnity Claims to Estimated Prior Open Indemnity Claims (c)

Accident	Evaluated as of (in months)									
Year	<u>270-282</u>	<u>282-294</u>	<u>294-306</u>	<u>306-318</u>	<u>318-330</u>	<u>330-342</u>	<u>342-354</u>	<u>354-366</u>	<u>366-378</u>	<u>378-390</u>
1989								13.3%	17.0%	---
1990							16.1%	12.4%	14.7%	
1991						13.6%	12.0%	16.1%		
1992					12.6%	12.1%	12.3%			
1993				12.5%	9.7%	14.7%				
1994			12.8%	10.9%	13.0%					
1995		12.3%	11.9%	11.9%						
1996	12.8%	13.1%	12.0%							
1997	11.5%	11.4%								
1998	11.6%									
1999										
3-Year Average	12.0%	12.3%	12.2%	11.7%	11.7%	13.5%	13.5%	14.0%	15.9%	
Share of Open on Prior (d)	88.0%	87.7%	87.8%	88.3%	88.3%	86.5%	86.5%	86.0%	84.1%	

5. Projected Open + IBNR Indemnity Claim Counts (e)

Accident	Evaluated as of (in months)									
Year	<u>282</u>	<u>294</u>	<u>306</u>	<u>318</u>	<u>330</u>	<u>342</u>	<u>354</u>	<u>366</u>	<u>378</u>	
1989										
1990										474
1991								437		368
1992							483	416		350
1993						574	496	427		359
1994					699	605	523	450		379
1995				778	687	594	514	442		372
1996			976	862	761	658	569	490		412
1997		1,265	1,110	980	865	748	648	557		469
1998	1,383	1,213	1,065	940	830	718	621	534		450
1999	1,485	1,303	1,144	1,009	891	771	667	574		483
...										
2019	389	342	300	265	234	202	175	150		127
2020	474	416	365	322	285	246	213	183		154

- (c) Equal to [the difference in ultimate indemnity claim settlement ratios from the prior evaluation (Item 3)] divided by [1.0 less the ultimate indemnity claim settlement ratio from the prior evaluation].
- (d) Equal to 1.0 minus the selected ratio of incremental closed indemnity claims to prior open indemnity claims from Item 4.
- (e) The italicized diagonal is equal to the Ultimate Indemnity Claim Counts (Item 2) less the Reported Closed Indemnity Claim Counts (Item 1) as of the latest evaluation. The remaining figures are projected based on the italicized diagonal and the Share of Open on Prior from Item 4.

Source: Accident year experience of insurers with available claim count data

**Paid Loss Development Factors**  
**Adjusted for the Impact of Claim Settlement Rate**  
**Changes on Later Period Development**

6. Ratio of Projected Open Claim Counts to Ultimate Claim Counts (f)

Accident	Evaluated as of (in months)								
Year	<u>282</u>	<u>294</u>	<u>306</u>	<u>318</u>	<u>330</u>	<u>342</u>	<u>354</u>	<u>366</u>	<u>378</u>
1989								0.2%	0.2%
1990							0.3%	0.2%	0.2%
1991						0.3%	0.3%	0.2%	0.2%
1992					0.4%	0.4%	0.3%	0.3%	0.2%
1993				0.6%	0.5%	0.4%	0.4%	0.3%	0.3%
1994			0.7%	0.7%	0.6%	0.5%	0.4%	0.4%	0.3%
1995		0.9%	0.7%	0.7%	0.6%	0.5%	0.4%	0.4%	0.3%
1996	1.0%	0.9%	0.8%	0.7%	0.6%	0.5%	0.5%	0.4%	0.3%
1997	1.1%	1.0%	0.8%	0.7%	0.7%	0.6%	0.5%	0.4%	0.4%
1998	1.0%	0.9%	0.8%	0.7%	0.6%	0.5%	0.5%	0.4%	0.3%
1999	1.0%	0.9%	0.8%	0.7%	0.6%	0.5%	0.5%	0.4%	0.3%
...									
2019	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%
2020	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%
3-Year Historical Avg.	1.0%	0.9%	0.8%	0.6%	0.5%	0.4%	0.3%	0.2%	0.2%

7. Ratio of Projected Percent Open to Historical Percent Open (g)

Accident	Evaluated as of (in months)								
Year	<u>282</u>	<u>294</u>	<u>306</u>	<u>318</u>	<u>330</u>	<u>342</u>	<u>354</u>	<u>366</u>	<u>378</u>
1989									
1990									
1991									1.03
1992								1.24	1.26
1993							1.27	1.40	1.41
1994						1.29	1.43	1.58	1.59
1995					1.15	1.32	1.47	1.61	1.63
1996				1.12	1.23	1.41	1.56	1.72	1.73
1997			1.10	1.17	1.28	1.48	1.63	1.80	1.82
1998		1.00	1.04	1.11	1.22	1.40	1.55	1.70	1.72
1999	0.98	0.99	1.04	1.11	1.21	1.39	1.54	1.69	1.71
...									
2019	0.28	0.28	0.29	0.32	0.34	0.40	0.44	0.48	0.49
2020	0.27	0.28	0.29	0.31	0.34	0.39	0.43	0.48	0.48

(f) Equal to the Projected Open + IBNR Indemnity Claim Counts (Item 5) divided by the Ultimate Indemnity Claim Counts (Item 2).  
The italicized diagonals are based on historical data while the remaining figures are projections.

(g) Equal to the Ratio of Projected Open Claim Counts to Ultimate Claim Counts (Item 6) divided by the three-year historical average.

Source: Accident year experience of insurers with available claim count data

**Paid Loss Development Factors  
Adjusted for the Impact of Claim Settlement Rate  
Changes on Later Period Development**

Age-to-Age Paid Development (in months):									
Age	<u>282-294</u>	<u>294-306</u>	<u>306-318</u>	<u>318-330</u>	<u>330-342</u>	<u>342-354</u>	<u>354-366</u>	<u>366-378</u>	<u>378-390</u>

8. 3-Year Average (h)

Indemnity	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001
Medical	1.007	1.006	1.006	1.005	1.004	1.003	1.003	1.004	1.003

9. Adjustment Ratio (i)

Accident Year 2019	0.71	0.71	0.72	0.73	0.74	0.76	0.78	0.79	0.80
Accident Year 2020	0.71	0.71	0.72	0.72	0.74	0.76	0.77	0.79	0.79

10. Adjusted Factors (j)

Indemnity									
Accident Year 2019	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001
Accident Year 2020	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001
Medical									
Accident Year 2019	1.005	1.005	1.005	1.004	1.003	1.002	1.002	1.003	1.002
Accident Year 2020	1.005	1.005	1.005	1.004	1.003	1.002	1.002	1.003	1.002

(h) Indemnity development factors are from Exhibit 2.3.2. Medical development factors are from Exhibit 2.4.2 and include adjustments for SB 1160 and changes in pharmaceutical costs.

(i) Equal to the Ratio of Projected Percent Open to Historical Percent Open (Item 7) for the given accident year, with the difference from 1.0 adjusted by 40% to reflect the estimated impact of claim settlement rate changes on later period development.

(j) Equal to the [three year average factors (Item 8) - 1.0] multiplied by the Adjustment Ratio (Item 9), and adding 1.0.

Source: Accident year experience of insurers with available claim count data



**Selected Medical Development Factors - Paid to Ultimate**

Adjusted (a)(b) Accident Year	30/18	42/30	54/42	66/54	78/66	90/78	102/90	114/102	126/114	138/126	150/138	162/150	174/162	186/174	198/186	210/198	222/210	234/222	246/234	258/246	270/258
1997																					
1998																					
1999																					
2000																					
2001																					
2002																					
2003																					
2004																					
2005																					
2006																					
2007																					
2008																					
2009																					
2010																					
2011																					
2012																					
2013																					
2014																					
2015																					
2016																					
2017																					
2018																					
2019																					
Selected (c)	1.612(d)	1.283(d)	1.146(d)	1.079(d)	1.052(d)	1.040	1.030	1.023	1.022	1.017	1.016	1.014	1.013	1.013	1.011	1.011	1.010	1.009	1.009	1.009	1.007

Cumulative Unadjusted  
for Impact of SB 1160

Cumulative Adjusted  
for Impact of SB 1160(e)

- (a) Paid medical loss development factors include the paid cost of medical cost containment programs for accident years 2011 and prior.  
 (b) These factors are adjusted for the losses paid prior to July 1, 2017 by -3.6%, -3.8%, -3.4%, -2.4%, -0.9%, and -0.1% to accident years 2011 to 2016, respectively, for the SB 1160 lien reforms. Factors are also adjusted for the impact of pharmaceutical cost reductions to bring the historical payments to the current pharmaceutical cost level.  
 (c) Selections are two-year averages for the 18-to-30 month through 102-to-114 month factors and three-year averages for the subsequent paid age-to-age factors.  
 (d) Based on calculations shown on Exhibits 2.6.3 to 2.6.8. Each of these selections are calculated as the two-year average paid medical age-to-age factor multiplied by an adjustment for changes in claim settlement rates.  
 (e) The cumulative factors for 54, 66, and 78 months are adjusted by -2.6%, -1.5%, and -0.5%, respectively, for the impact of the SB 1160 reductions in future lien filings.

**Selected Medical Development Factors - Paid to Ultimate (Continued)**

Accident Year	282/270	294/282	306/294	318/306	330/318	342/330	354/342	366/354	378/366	390/378	402/390	414/402	426/414	438/426	ULT/438Pd (g)
1983														1.002	
1984													1.002	1.002	
1985												1.002	1.002	1.002	
1986											1.003	1.003	1.003		
1987										1.003	1.003	1.003			
1988									1.003	1.002	1.003				
1989								1.003	1.005	1.003					
1990							1.003	1.002	1.003						
1991						1.004	1.004	1.003							
1992					1.007	1.004	1.002								
1993				1.008	1.004	1.003									
1994			1.004	1.005	1.005										
1995		1.008	1.009	1.006											
1996	1.010	1.007	1.006												
1997	1.007	1.006													
1998	1.008														
Unadjusted (c)	1.008	1.007	1.006	1.006	1.005	1.004	1.003	1.003	1.004	1.003	1.003	1.003	1.002	1.002	1.079
Selected (f)	1.008	1.005	1.005	1.005	1.004	1.003	1.002	1.002	1.003	1.002	1.002	1.002	1.002	1.002	1.048
Cumulative	1.098	1.089	1.084	1.079	1.074	1.070	1.067	1.065	1.062	1.059	1.057	1.055	1.052	1.050	1.048

(f) Adjusted for the impact of changes in claim settlement rates on later period development for 282 months and later. See Exhibits 2.5.9 through 2.5.12.  
(g) The UL T/438Pd tail factor was calculated based on an inverse power curve fit to a four-year average of the 114-to-126 through 342-to-354 factors and extrapolated to 80 development years.

**Paid Medical Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

A. Total Reported Indemnity Claim Counts

Accident Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						122,838
2013					130,802	130,961
2014				136,585	136,974	137,128
2015			141,445	141,961	142,368	142,583
2016		143,386	145,100	145,716	146,028	
2017	136,336	143,516	145,340	145,956		
2018	138,800	146,418	148,039			
2019	140,905	149,181				
2020	123,435					

B. Development of Total Reported Indemnity Claim Counts

Accident Year	Age-to-Age Development (in months):					
	<u>18-30</u>	<u>30-42</u>	<u>42-54</u>	<u>54-66</u>	<u>66-78</u>	<u>78-Ult</u>
2013					1.001	
2014				1.003	1.001	
2015			1.004	1.003	1.002	
2016		1.012	1.004	1.002		
2017	1.053	1.013	1.004			
2018	1.055	1.011				
2019	1.059					
Latest Year	1.059	1.011	1.004	1.002	1.002	
Cumulative	1.084	1.024	1.013	1.009	1.006	1.005

Acc. Year	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>
Ult. Claim Counts	133,836	152,778	149,948	147,215	146,973	143,289

C. Closed Indemnity Claim Counts

Accident Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2012						111,042
2013					114,585	120,126
2014				113,029	121,620	126,654
2015			106,313	120,365	128,016	132,209
2016		90,051	112,663	124,990	131,730	
2017	61,665	94,052	114,155	125,312		
2018	63,515	94,753	113,988			
2019	63,218	92,814				
2020	54,391					

Source: Accident year experience of insurers with available claim count and paid loss data, excluding COVID-19 claims.

**Paid Medical Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

D. Ultimate Indemnity Claim Settlement Ratio (a)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						89.9%
2013					87.0%	91.2%
2014				82.0%	88.3%	91.9%
2015			74.2%	84.0%	89.3%	92.3%
2016		61.3%	76.7%	85.0%	89.6%	
2017	41.9%	63.9%	77.5%	85.1%		
2018	42.4%	63.2%	76.0%			
2019	41.4%	60.8%				
2020	40.6%					

E. Adjusted Closed Indemnity Claim Counts at Equal Percentiles of Ultimate Claim Counts (b)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						113,952
2013					118,100	121,576
2014				117,304	123,515	127,151
2015			108,926	121,970	128,428	132,209
2016		89,287	111,726	125,106	131,730	
2017	59,828	89,434	111,910	125,312		
2018	60,939	91,095	113,988			
2019	62,089	92,814				
2020	54,391					

F. Average Paid Medical per Closed Indemnity Claim

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						20,195
2013					17,585	19,270
2014				15,083	17,375	18,885
2015			12,284	15,243	17,036	18,256
2016		8,489	12,140	14,560	16,238	
2017	4,561	8,811	12,139	14,573		
2018	4,691	9,025	12,727			
2019	4,699	8,677				
2020	4,568					

- (a) Ratio of closed indemnity claim counts (Item C) to the estimated ultimate indemnity claim counts (Item B) for that accident year.
- (b) The claim counts for the latest evaluation of each accident year are equal to the reported number of closed indemnity claims. All prior evaluations shown are the product of the latest ultimate indemnity claim settlement ratio (Item D) and the ultimate indemnity claim counts (Item B) for that accident year.

Source: Accident year experience of insurers with available claim count and paid loss data, excluding COVID-19 claims.

**Paid Medical Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

G. Adjusted Average Paid Medical per Closed Indemnity Claim (c)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						21,427
2013					18,636	19,739
2014				16,183	17,929	19,036
2015			12,787	15,603	17,153	18,256
2016		8,361	11,961	14,587	16,238	
2017	4,399	8,021	11,712	14,573		
2018	4,471	8,359	12,727			
2019	4,601	8,677				
2020	4,568					

H. Adjusted Paid Medical (in \$000) on Closed Indemnity Claims (d)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						2,441,665
2013					2,200,888	2,399,807
2014				1,898,350	2,214,471	2,420,494
2015			1,392,843	1,903,140	2,202,877	2,413,639
2016		746,515	1,336,364	1,824,953	2,139,092	
2017	263,192	717,367	1,310,700	1,826,136		
2018	272,434	761,507	1,450,675			
2019	285,684	805,347				
2020	248,435					

I. Paid Medical on Open Indemnity Claims (in \$000)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						607,389
2013					638,573	506,807
2014				743,198	574,629	466,154
2015			843,138	676,977	551,597	468,309
2016		877,343	790,625	673,263	566,573	
2017	681,618	848,818	787,802	673,663		
2018	710,906	906,705	851,744			
2019	700,618	962,551				
2020	640,125					

- (c) Adjusted based on ultimate indemnity claim settlement ratios (Item D) and assuming a log-linear relationship between maturities.
- (d) Each amount is equal to the product of [adjusted closed indemnity claim counts (Item E)] and [adjusted average paid medical per closed indemnity claim (Item G)], and divided by \$1,000.

Source: Accident year experience of insurers with available claim count and paid loss data, excluding COVID-19 claims.

**Paid Medical Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

J. Average Paid Medical per Open Indemnity Claim for Indemnity Claims in Transition (e)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						51,491
2013					39,376	46,779
2014				31,550	37,424	44,506
2015			23,999	31,348	38,433	45,143
2016		16,450	24,374	32,484	39,626	
2017	9,128	17,160	25,262	32,632		
2018	9,443	17,550	25,014			
2019	9,018	17,076				
2020	9,271					

K. Changes in Paid Medical on Open Indemnity Claims Resulting from the Impact of Changes in Indemnity Claim Settlement Rates (in \$000) (f)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						-149,837
2013					-138,406	-67,829
2014				-134,875	-70,918	-22,119
2015			-62,709	-50,313	-15,835	
2016		11,066	21,579	-3,768		
2017	14,253	70,258	53,935			
2018	20,052	57,570				
2019	8,497					

L. Adjusted Paid Medical on Open Indemnity Claims (in \$000) (g)

Accident Year	Evaluated as of (in months)					
	18	30	42	54	66	78
2012						457,552
2013					500,167	438,977
2014				608,323	503,711	444,035
2015			780,428	626,664	535,763	468,309
2016		888,409	812,203	669,495	566,573	
2017	695,871	919,076	841,737	673,663		
2018	730,958	964,275	851,744			
2019	709,115	962,551				
2020	640,125					

- (e) Each amount is equal to the product of [the average monthly medical payment per open indemnity claim] and [the number of months for the current evaluation]. For evaluations indicating claim settlement rate decreases, the average monthly medical payment per open indemnity claim at the prior evaluation is used. For evaluations indicating claim settlement rate increases, the average monthly medical payment per open indemnity claim at the same evaluation is used.
- (f) Each amount is equal to [the difference between unadjusted and adjusted closed indemnity claim counts (Items C and E)] multiplied by [the corresponding average paid medical per open indemnity claim for indemnity claims in transition (Item J)].
- (g) Each amount is the sum of [paid medical on open indemnity claims (Item I)] and the corresponding [incremental changes in paid medical on open indemnity claims resulting from the impact of changes in indemnity claim settlement rates (Item K)].

Source: Accident year experience of insurers with available claim count and paid loss data, excluding COVID-19 claims.

**Paid Medical Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

M. Paid Medical on Medical-Only Claims (in \$000)

Accident	Evaluated as of (in months)					
Year	18	30	42	54	66	78
2012						222,845
2013					226,103	228,780
2014				244,167	246,788	249,017
2015			250,531	255,076	259,954	262,579
2016		258,902	268,446	273,798	278,223	
2017	254,695	276,997	284,876	291,110		
2018	268,722	293,217	304,715			
2019	267,896	297,164				
2020	212,543					

N. Adjusted Total Paid Medical (in \$000) (h)

Accident	Evaluated as of (in months)					
Year	18	30	42	54	66	78
2012						3,421,084
2013					2,927,158	3,067,565
2014				2,750,840	2,964,970	3,113,546
2015			2,423,802	2,784,880	2,998,594	3,144,527
2016		1,893,826	2,417,013	2,768,246	2,983,887	
2017	1,213,758	1,913,440	2,437,313	2,790,910		
2018	1,272,114	2,018,999	2,607,134			
2019	1,262,695	2,065,062				
2020	1,101,103					

O. Paid Medical Loss Development Factors Based on Adjusted Total Paid Medical

Accident	Evaluated as of (in months)				
Year	18-30	30-42	42-54	54-66	66-78
2013					1.048
2014				1.078	1.050
2015			1.149	1.077	1.049
2016		1.276	1.145	1.078	
2017	1.576	1.274	1.145		
2018	1.587	1.291			
2019	1.635				
Latest Year	1.635	1.291	1.145	1.078	1.049

(h) Each amount is the sum of [adjusted paid medical on closed indemnity claims (Item H)], [adjusted paid medical on open indemnity claims (Item L)] and [paid medical on medical-only claims (Item M)]. The effect of the paid cost of medical cost containment programs are only present for accident years 2011 and prior.

Source: Accident year experience of insurers with available claim count and paid loss data, excluding COVID-19 claims.

**Paid Medical Loss Development Factors  
With Separate Adjustments on Open and Closed Claims  
for Changes in Claim Settlement Rates**

P. Paid Medical Loss Development Factors (i)

Accident Year	Evaluated as of (in months)				
	18-30	30-42	42-54	54-66	66-78
2013					1.059
2014				1.090	1.059
2015			1.153	1.082	1.051
2016		1.277	1.140	1.078	
2017	1.605	1.258	1.135		
2018	1.609	1.269			
2019	1.632				

Q. Impact of Adjustment for Changes in Indemnity Claim Settlement Rates (j)

Accident Year	Evaluated as of (in months)				
	18-30	30-42	42-54	54-66	66-78
2013					-1.07%
2014				-1.12%	-0.82%
2015			-0.35%	-0.44%	-0.21%
2016		-0.04%	0.45%	-0.05%	
2017	-1.79%	1.27%	0.86%		
2018	-1.33%	1.79%			
2019	0.23%				

R. Paid Medical Loss Development Factors Adjusted for Changes in Indemnity  
Claim Settlement Rates (k)

Accident Year	Evaluated as of (in months)				
	18-30	30-42	42-54	54-66	66-78
2013					1.057
2014				1.088	1.053
2015			1.156	1.079	1.050
2016		1.280	1.147	1.078	
2017	1.580	1.275	1.146		
2018	1.588	1.292			
2019	1.636				
Latest Year	1.636	1.292	1.146	1.078	1.050
2-Year Average	1.612	1.283	1.146	1.079	1.052
3-Year Average	1.601	1.282	1.150	1.082	1.053

- (i) Development factors are based on paid medical losses from the same insurer mix as that used in the adjustment for changes in claim settlement rates and applied in the calculation of the development factors in Item O.  
(j) Each factor represents the change in age-to-age development factors from Item P to those in Item O.  
(k) Each factor is the product of [1.0 + the impact of adjustment for changes in claim settlement rates (Item Q)] and [the adjusted paid medical age-to-age development factor from Exhibit 2.6.1].

Source: Accident year experience of insurers with available claim count and paid loss data, excluding COVID-19 claims.



**Developed Indemnity Loss Ratios Using Selected Loss Development Factors  
Adjusted for Changes in Claim Settlement Rates  
Based on Experience as of June 30, 2021**

Accident Year	(1) Paid Loss Ratio (a)	Development Factors		(4) Projected Ultimate Loss Ratio (4) = (1) x (3)
		(2) Annual (b)	(3) Cumulative	
1987	0.345	1.000	1.007	0.347
1988	0.330	1.001	1.007	0.332
1989	0.342	1.001	1.008	0.345
1990	0.397	1.001	1.008	0.400
1991	0.423	1.001	1.009	0.427
1992	0.348	1.001	1.010	0.352
1993	0.286	1.001	1.010	0.289
1994	0.324	1.001	1.011	0.328
1995	0.468	1.001	1.012	0.473
1996	0.524	1.001	1.013	0.531
1997	0.593	1.002	1.015	0.602
1998	0.643	1.002	1.016	0.654
1999	0.674	1.003	1.019	0.687
2000	0.581	1.002	1.022	0.594
2001	0.483	1.003	1.025	0.495
2002	0.359	1.003	1.029	0.370
2003	0.238	1.004	1.032	0.245
2004	0.141	1.005	1.038	0.147
2005	0.120	1.006	1.044	0.125
2006	0.154	1.007	1.052	0.162
2007	0.211	1.009	1.061	0.224
2008	0.265	1.010	1.072	0.284
2009	0.306	1.011	1.084	0.332
2010	0.291	1.013	1.097	0.320
2011	0.269	1.014	1.113	0.299
2012	0.237	1.019	1.134	0.268
2013	0.198	1.020	1.157	0.229
2014	0.184	1.026	1.186	0.218
2015	0.174	1.033	1.225	0.214
2016	0.157	1.046	1.281	0.202
2017	0.149	1.077	1.379	0.206
2018	0.137	1.161	1.601	0.220
2019	0.117	1.373	2.197	0.258
2020	0.065	1.929	4.238	0.274

- (a) Based on Exhibit 1.  
(b) See Exhibits 2.5.1 and 2.5.2.

**Developed Medical Loss Ratios Using Selected Loss Development Factors  
Adjusted for Changes in Claim Settlement Rates  
Based on Experience as of June 30, 2021**

	(1)	(2)	(3)	(4)	(5)	(6)
			<b>Reform Adjusted</b>			
			<u>Development Factors</u>			
Accident Year	<u>Paid Loss Ratio (a)</u>	<u>Adjusted Paid Loss Ratio (b)</u>	<u>Annual (c)</u>	<u>Cumulative (c)</u>	<u>Adjusted Developed Loss Ratio (d)</u> (2) x (4)	<u>Projected Ultimate Loss Ratio</u> (1) + ((5) - (2))
1987	0.306	0.271	1.002	1.052	0.286	0.321
1988	0.299	0.265	1.002	1.055	0.280	0.314
1989	0.318	0.282	1.002	1.057	0.298	0.335
1990	0.360	0.319	1.002	1.059	0.338	0.379
1991	0.377	0.334	1.003	1.062	0.355	0.398
1992	0.311	0.277	1.002	1.065	0.294	0.329
1993	0.256	0.228	1.002	1.067	0.243	0.272
1994	0.294	0.261	1.003	1.070	0.279	0.312
1995	0.432	0.385	1.004	1.074	0.413	0.461
1996	0.462	0.411	1.005	1.079	0.443	0.495
1997	0.517	0.460	1.005	1.084	0.499	0.556
1998	0.617	0.550	1.005	1.089	0.599	0.666
1999	0.673	0.601	1.008	1.098	0.660	0.732
2000	0.607	0.542	1.007	1.106	0.599	0.664
2001	0.535	0.480	1.009	1.116	0.536	0.591
2002	0.411	0.370	1.009	1.125	0.416	0.458
2003	0.263	0.237	1.009	1.135	0.270	0.295
2004	0.178	0.161	1.010	1.146	0.185	0.202
2005	0.174	0.157	1.011	1.159	0.182	0.199
2006	0.221	0.201	1.011	1.172	0.236	0.256
2007	0.307	0.281	1.013	1.188	0.333	0.360
2008	0.380	0.348	1.013	1.204	0.419	0.451
2009	0.439	0.405	1.014	1.221	0.495	0.528
2010	0.425	0.395	1.016	1.241	0.490	0.520
2011	0.359	0.337	1.017	1.261	0.425	0.447
2012	0.302	0.286	1.022	1.289	0.369	0.384
2013	0.238	0.229	1.023	1.318	0.301	0.311
2014	0.207	0.202	1.030	1.357	0.275	0.280
2015	0.188	0.186	1.040	1.403	0.261	0.263
2016	0.169	0.168	1.052	1.461	0.246	0.247
2017	0.161	0.161	1.079	1.560	0.251	0.251
2018	0.153	0.153	1.146	1.788	0.273	0.273
2019	0.131	0.131	1.283	2.295	0.300	0.300
2020	0.080	0.080	1.612	3.698	0.295	0.295

- (a) Based on Exhibit 1. Paid MCCP costs are excluded from accident years 2011 and subsequent.
- (b) Based on experience evaluated as of June 30, 2021. Reflects an adjustment for the pharmaceutical cost reductions to restate the historical medical paid-to-date ratios at a 2018 pharmaceutical cost level.
- (c) See Exhibits 2.6.1 and 2.6.2.
- (d) The developed medical loss ratios shown were derived based on an adjustment for pharmaceutical cost reductions. They are only for purposes of projecting future medical loss ratios and do not reflect true estimates of ultimate loss ratios for those accident years.

**Indemnity Benefit Level Factors**

Accident Year	(1) Annual Benefit Change Prior to Frequency Adjustments (a)	(2) Frequency Adjustments (a)	(3) Annual Impact on Indemnity Benefits Due to Wage Inflation (b)	(4) Annual Cost Impact on Indemnity (c)	(5) Composite Indemnity Adjustment Factor (d)	
1987	0.0	0.0	1.9	1.9	1.599	
1988	0.0	0.0	1.5	1.5	1.575	
1989	0.0	0.0	1.5	1.5	1.552	
1990	2.3	19.9	1.7	24.7	1.244	
1991	4.9	14.8	0.8	21.4	1.025	
1992	1.8	-8.3	1.6	-5.2	1.081	
1993	0.2	-18.1	0.4	-17.6	1.312	
1994	-5.1	0.2	0.6	-4.3	1.371	
1995	6.3	0.6	1.0	8.0	1.269	
1996	5.3	0.4	1.2	7.0	1.186	
1997	9.7	0.2	1.6	11.7	1.062	
1998	6.5	0.0	1.8	8.4	0.980	
1999	5.7	0.0	2.1	7.9	0.908	
2000	3.9	0.0	3.1	7.1	0.848	
2001	-0.3	0.0	0.2	-0.1	0.848	
2002	-0.7	0.0	0.4	-0.3	0.869	(e)
2003	7.3	0.0	1.2	8.6	0.866	(e)
2004	-6.0	-13.7	2.1	-17.2	1.186	(e)
2005	-31.6	-15.3	1.6	-41.2	1.607	
2006	5.6	-5.7	2.2	1.8	1.579	
2007	1.6	0.0	2.1	3.7	1.523	
2008	4.8	0.6	1.0	6.5	1.430	
2009	0.4	1.4	0.2	2.0	1.402	
2010	0.4	0.0	1.5	1.9	1.375	
2011	0.0	0.0	1.4	1.4	1.357	
2012	-0.8	0.0	2.1	1.3	1.340	
2013	1.4	0.2	0.6	2.3	1.310	
2014	5.8	1.5	1.7	9.2	1.200	
2015	-0.8	0.0	2.3	1.4	1.183	
2016	0.3	0.0	1.0	1.3	1.168	
2017	0.5	0.0	2.2	2.7	1.137	
2018	0.4	0.0	2.2	2.6	1.108	
2019	0.4	0.0	2.6	3.0	1.076	
2020	0.4	0.0	1.9	2.3	1.051	
2021	0.4	0.0	2.5	2.9	1.021	
2022	1.0	0.0	0.8	1.8	1.003	
9/1/2022	0.0 (Annual 0.0)	0.0	0.3 (Annual 2.0)	0.3		

- (a) Based on WCIRB evaluations of the average impact of legislative changes on the cost of indemnity benefits. These annual changes in benefits reflect the WCIRB's retrospective estimates of the cost impact of recent legislation as reflected in emerging post-reform costs. The annual cost impacts have been segregated between claim severity and claim frequency impacts.
- (b) These impacts are based on the weekly wages (see column 2 of Exhibit 5.1) of injured workers and the legislatively scheduled benefits for that year.
- (c)  $\{ [\text{Column (1)} / 100 + 1.0] \times [\text{Column (2)} / 100 + 1.0] \times [\text{Column (3)} / 100 + 1.0] - 1.0 \} \times 100$ .
- (d) These factors represent the combined impact of the annual benefit changes on claim severity shown in Column (1), claim frequencies shown in Column (2) and wage inflation impact on benefits shown in Column (3), adjusted to the 9/1/2022 level.
- (e) On-level factors for accident years 2002, 2003 and 2004 adjust the portion of permanent disability claims that are estimated to not be subject to the January 1, 2005 PDRS (95% for accident year 2002, 75% for accident year 2003 and 40% for accident year 2004) to the January 1, 2005 PDRS level, and adjust for the corresponding utilization impacts on all 2002, 2003 and 2004 indemnity claims.

**Annual Medical Cost Level Change - Non-Legislative**

Accident	(1) Proportion of Medical Subject to	(2) Proportion of Medical Not Subject to	(3) Impact of Fee Schedule Change on	(4) Change in Medical	(5) Impact of CPI Change on Total	(6) Annual Non-Legislative Cost Impact on
<u>Year</u>	<u>Fee Schedule (a)</u>	<u>Fee Schedule (a)</u>	<u>Total Medical (b)</u>	<u>CPI (c)</u>	<u>Medical (d)</u>	<u>Total Medical (e)</u>
1987	0.610	0.390	0.9%	7.4%	2.9%	3.8%
1988	0.649	0.351	0.8%	7.7%	3.0%	3.8%
1989	0.647	0.353	0.0%	8.6%	3.0%	3.0%
1990	0.661	0.339	0.0%	10.4%	3.7%	3.7%
1991	0.631	0.369	0.0%	10.6%	3.6%	3.6%
1992	0.628	0.372	0.0%	8.1%	3.0%	3.0%
1993	0.565	0.435	0.0%	7.3%	2.7%	2.7%
1994	0.691	0.309	-3.6%	4.3%	1.3% (i)	-2.3%
1995	0.681	0.319	0.0%	3.0%	0.9%	0.9%
1996	0.663	0.337	0.0%	3.0%	1.0%	1.0%
1997	0.643	0.357	0.0%	2.2%	0.7%	0.7%
1998	0.658	0.342	0.0%	2.2%	0.8%	0.8%
1999	0.728	0.272	1.6%	3.3%	0.9% (ii)	2.5%
2000	0.715	0.285	0.5%	4.3%	1.2%	1.7%
2001	0.722	0.278	1.5%	4.8%	1.4%	2.9%
2002	0.635	0.365	0.6%	5.1%	1.4%	2.0%
2003	0.786	0.214	0.0%	4.8%	1.4% (iii)	1.4%
2004	0.952	0.048	0.0%	5.0%	0.0% (iv),(v)	0.0%
2005	0.936	0.064	0.0%	4.8%	0.0% (v)	0.0%
2006	0.926	0.074	0.0%	4.1%	0.3%	0.3%
2007	0.923	0.077	1.4%	5.3%	0.4%	1.8%
2008	0.896	0.104	-0.1%	4.2%	0.3%	0.2%
2009	0.894	0.106	0.0%	3.6%	0.4%	0.4%
2010	0.895	0.105	0.0%	2.8%	0.3%	0.3%
2011	0.969	0.031	0.0%	3.2%	0.3%	0.3%
2012	0.969	0.031	0.0%	2.7%	0.1%	0.1%
2013	0.938	0.062	0.0%	2.6%	0.1%	0.1%
2014	0.928	0.072	0.0%	4.2%	0.3%	0.3%
2015	0.933	0.067	0.0%	3.1%	0.2%	0.2%
2016	0.918	0.082	0.0%	5.4%	0.4%	0.4%
2017	0.906	0.094	0.0%	2.2%	0.2%	0.2%
2018	0.887	0.113	0.0%	2.5%	0.2%	0.2%
2019	0.873	0.127	0.0%	3.8%	0.4%	0.4%
2020	0.873	0.127	0.0%	3.0%	0.4%	0.4%
2021	0.873	0.127	0.0%	1.4%	0.2%	0.2%
2022	0.873	0.127	0.0%	2.3%	0.3%	0.3%
9/1/2022	0.873	0.127	0.0% (Annual 0.0%)	0.4% (Annual 2.5%)	0.1%	0.1%

- (a) From a Special Carrier Study through 1990. Based on WCIRB's Aggregate Indemnity and Medical Costs Calls for years 1991 through 2012. Based on WCIRB medical transaction data from 2013 onwards. Accident years 2011 and subsequent do not include MCCC costs.
- (b) Based on the WCIRB's evaluation of the cost impact of changes in the medical fee schedules.
- (c) Based on a component of the Consumer Price Index. Projections furnished by the California Department of Finance.
- (d) Adjusted CPI on workers' compensation medical costs that are not subject to fee schedules. The current year impact is the weighted average of 0% and Column (4), with Columns (1) and (2) from prior years as weights. (i) 1993's non-fee proportion is reduced by 13.8% due to the new medical-legal fee schedule enacted in 1994. (ii) 1998's non-fee proportion is reduced by 7.7% due to the Inpatient Hospital Fee Schedule (IHFS) effective 4/1/1999. (iii) 2002's non-fee proportion is reduced by 7.6% due to the new pharmaceutical fee schedule effective 1/1/2003. (iv) 2003's non-fee proportion is reduced by 17.2% due to the outpatient fee schedule effective 1/1/2004. (v) Given the anticipated impact of legislative reform, a 0% inflation rate has been assumed for 2004 and 2005.
- (e) Column (6) = Column (3) + Column (5).

**Annual Medical Cost Level Change - Legislative**

Accident Year	(1) Annual Legislative Cost Impact on Medical Severity (a)	(2) Annual Legislative Cost Impact on Medical Due to Frequency Changes (b)	(3) Annual Total Legislative Cost Impact on Medical (c)
1987	0.0%	0.0%	0.0%
1988	0.0%	0.0%	0.0%
1989	0.0%	0.0%	0.0%
1990	-0.7%	19.9%	19.1%
1991	-1.6%	14.7%	12.9%
1992	0.5%	-8.4%	-7.9%
1993	-0.7%	-18.1%	-18.7%
1994	-2.6%	0.3%	-2.3%
1995	0.0%	0.5%	0.5%
1996	0.0%	0.4%	0.4%
1997	0.0%	0.2%	0.2%
1998	12.6%	0.0%	12.6%
1999	12.6%	0.0%	12.6%
2000	7.0%	0.0%	7.0%
2001	6.6%	0.0%	6.6%
2002	-5.6%	0.0%	-5.6%
2003	-6.0%	0.0%	-6.0%
2004	-24.4%	-12.5%	-33.9%
2005	0.0%	-13.9%	-13.9%
2006	0.1%	-5.2%	-5.1%
2007	0.1%	0.0%	0.1%
2008	0.2%	0.3%	0.5%
2009	0.0%	1.0%	1.0%
2010	0.0%	0.0%	0.0%
2011	-2.0%	0.0%	-2.0%
2012	-4.5%	0.0%	-4.5%
2013	-8.2%	0.2%	-8.0%
2014	-6.0%	1.3%	-4.8%
2015	-2.1%	0.0%	-2.1%
2016	-0.7%	0.0%	-0.7%
2017	-0.5%	0.0%	-0.5%
2018	-0.3%	0.0%	-0.3%
2019	0.0%	0.0%	0.0%
2020	0.0%	0.0%	0.0%
2021	0.0%	0.0%	0.0%
2022	0.0%	0.0%	0.0%
9/1/2022	0.0%	0.0%	0.0%

- (a) Reflects the WCIRB's most recent estimates of the cost impact of legislation. Does not include the impact of the SB 1160 lien provisions on future medical costs as well as the estimated reductions to pharmaceutical costs attributable to SB 863, which are reflected in the medical loss development projections.
- (b) This reflects the annual percentage impact on medical costs due to changes in the frequency of indemnity claims as a result of benefit changes.
- (c)  $[\text{Column (1)} + 1.0] \times [\text{Column (2)} + 1.0] - 1.0$

**Total Medical Cost Level Factors**

Accident Year	(1) Annual Non-Legislative Cost Impact on Medical (a)	(2) Annual Legislative Cost Impact on Medical (b)	(3) Total Annual Cost Impact on Medical (c)	(4) Composite Medical On-level Factor (d)
1987	3.8%	0.0%	3.8%	0.802
1988	3.8%	0.0%	3.8%	0.773
1989	3.0%	0.0%	3.0%	0.750
1990	3.7%	19.1%	23.5%	0.608
1991	3.6%	12.9%	16.9%	0.520
1992	3.0%	-7.9%	-5.2%	0.548
1993	2.7%	-18.7%	-16.5%	0.656
1994	-2.3%	-2.3%	-4.6%	0.688
1995	0.9%	0.5%	1.4%	0.678
1996	1.0%	0.4%	1.4%	0.669
1997	0.7%	0.2%	0.9%	0.663
1998	0.8%	12.6%	13.5%	0.584
1999	2.5%	12.6%	15.4%	0.506
2000	1.7%	7.0%	8.8%	0.465
2001	2.9%	6.6%	9.7%	0.424
2002	2.0%	-5.6%	-3.7%	0.440
2003	1.4%	-6.0%	-4.7%	0.462
2004	0.0%	-33.9%	-33.9%	0.698
2005	0.0%	-13.9%	-13.9%	0.811
2006	0.3%	-5.1%	-4.8%	0.852
2007	1.8%	0.1%	1.9%	0.836
2008	0.2%	0.5%	0.7%	0.830
2009	0.4%	1.0%	1.4%	0.819
2010	0.3%	0.0%	0.3%	0.816
2011	0.3%	-2.0%	-1.7%	0.830
2012	0.1%	-4.5%	-4.4%	0.869
2013	0.1%	-8.0%	-7.9%	0.943
2014	0.3%	-4.8%	-4.5%	0.988
2015	0.2%	-2.1%	-1.9%	1.007
2016	0.4%	-0.7%	-0.3%	1.010
2017	0.2%	-0.5%	-0.3%	1.013
2018	0.2%	-0.3%	-0.1%	1.014
2019	0.4%	0.0%	0.4%	1.010
2020	0.4%	0.0%	0.4%	1.006
2021	0.2%	0.0%	0.2%	1.004
2022	0.3%	0.0%	0.3%	1.001
9/1/2022	0.1%	0.0%	0.1%	

(a) See Exhibit 4.2, Column (6).

(b) See Exhibit 4.3, Column (3).

(c)  $\text{Column (3)} = [1.0 + \text{Column (1)}] \times [1.0 + \text{Column (2)}] - 1.0$ .

(d) These factors adjust the annual impact shown in Column (3) to the 9/1/2022 level.

**Annual Wage Level Changes**

	(1)	(2)	(3)
<u>Year</u>	<u>Annual Wage Level Change (a)</u>	<u>Adjusted Annual Wage Level Change (b)</u>	<u>Factor to a 9/1/2022 Wage Level (c)</u>
1987	5.6		3.331
1988	4.4		3.190
1989	4.3		3.059
1990	5.0		2.913
1991	2.3		2.848
1992	4.7		2.720
1993	1.2		2.688
1994	1.9		2.637
1995	2.9		2.563
1996	3.4		2.479
1997	4.7		2.368
1998	5.2		2.251
1999	6.2		2.119
2000	9.0		1.944
2001	0.6		1.933
2002	1.1		1.912
2003	3.6		1.845
2004	5.0		1.757
2005	3.2		1.703
2006	4.6		1.628
2007	4.5		1.558
2008	2.1		1.526
2009	0.5		1.518
2010	3.0		1.474
2011	3.1		1.430
2012	4.2		1.372
2013	0.7		1.362
2014	3.3		1.319
2015	4.5		1.262
2016	1.9		1.239
2017	4.3		1.188
2018	3.7		1.145
2019	4.4		1.097
2020	9.9	3.2	1.063
Projected:			
2021	2.5	4.3	
2022	0.4	1.4	
9/1/2022	0.5	0.6	
	(Annual = 3.0)	(Annual = 3.4)	

- (a) Historical wage changes through 2020 are based on Bureau of Labor Statistics data. Forecasts for 2021 and forward are based on the average of wage level projections made by the UCLA Anderson School of Business as of June 2021 and those made by the California Department of Finance as of April 2021.
- (b) Wage level changes for 2020 to 2023 were adjusted for estimated shifts in industrial mix and shifts in the wage level mix within industries impacting average wages in order to more appropriately project changes in average wages for the typical worker. See Appendix B, Exhibit 2 for more information.
- (c) Based on Column (1) for 2019 and prior and Column (2) for 2020 and subsequent.

Premium Adjustment Factors

	(1)	(2a)	(2b)	(2c)	(3)	(4)	(5)	(6)	(7)
		Ratio of Industry Average Charged Rates to Advisory Pure Premium	Factor to Industry Average Filed Pure Premium Rate Level as of	Factor to Adjust Insurer Premium to an Industry Average Filed Pure Premium Rate Level as of	Adjustment to Remove Surcharge Premium (e)	Average Experience Modification (f)	Off-Balance Correction in Advisory January 1, 2021 Pure Premium	Factor to Adjust for Impact of Premium Resulting from Audits (g)	Composite Premium Adjustment Factor (h)
Calendar Year	Wage Level (a)	Rates (b)	January 1, 2021 (c)	January 1, 2021 (d)	Premium (e)	Modification (f)	Rates	Audits (g)	Factor (h)
1987	3.331	---	---	0.589	0.992	0.983	1.019	---	1.941
1988	3.190	---	---	0.527	0.993	0.963	1.019	---	1.701
1989	3.059	---	---	0.519	0.993	0.945	1.019	---	1.636
1990	2.913	---	---	0.506	0.991	0.942	1.019	---	1.521
1991	2.848	---	---	0.469	0.987	0.939	1.019	---	1.377
1992	2.720	---	---	0.449	0.982	0.940	1.019	---	1.252
1993	2.688	---	---	0.444	0.981	0.949	1.019	---	1.211
1994	2.637	---	---	0.508	0.986	0.948	1.019	---	1.368
1995	2.563	---	---	0.688	0.995	0.958	1.019	---	1.797
1996	2.479	1.023	0.731	0.714	1.000	0.935	1.019	---	1.858
1997	2.368	0.989	0.729	0.737	1.000	0.949	1.019	---	1.805
1998	2.251	0.965	0.759	0.787	1.000	0.959	1.019	---	1.812
1999	2.119	0.972	0.767	0.790	1.000	0.954	1.019	---	1.721
2000	1.944	1.005	0.696	0.692	1.000	0.970	1.019	---	1.362
2001	1.933	1.030	0.613	0.595	1.000	0.969	1.019	---	1.165
2002	1.912	1.157	0.549	0.474	1.000	0.991	1.019	---	0.897
2003	1.845	1.266	0.449	0.355	1.000	1.005	1.019	---	0.639
2004	1.757	1.397	0.457	0.327	1.000	0.981	1.019	---	0.575
2005	1.703	1.470	0.550	0.374	1.000	0.982	1.019	---	0.636
2006	1.628	1.447	0.708	0.489	1.000	0.956	1.019	---	0.818
2007	1.558	1.493	0.965	0.646	1.000	0.931	1.019	0.985	1.045
2008	1.526	1.426	1.148	0.805	1.000	0.946	1.019	0.991	1.263
2009	1.518	1.365	1.131	0.829	1.000	0.937	1.019	1.034	1.363
2010	1.474	1.382	1.109	0.803	1.000	0.941	1.019	1.005	1.240
2011	1.430	1.397	1.108	0.793	1.000	0.982	1.019	---	1.133
2012	1.372	1.219	0.913	0.749	1.000	1.000	1.019	---	1.009
2013	1.362	1.135	0.735	0.648	1.000	0.983	1.019	---	0.882
2014	1.319	1.124	0.677	0.603	1.000	0.961	1.019	---	0.812
2015	1.262	1.105	0.658	0.596	1.000	0.951	1.019	---	0.776
2016	1.239	1.145	0.716	0.626	1.000	0.949	1.019	---	0.802
2017	1.188	1.153	0.793	0.688	1.000	0.955	1.019	---	0.839
2018	1.145	1.194	0.897	0.751	1.000	0.956	1.019	---	0.882
2019	1.097	1.215	1.042	0.858	1.000	0.947	1.019	---	0.975
2020	1.063	1.205	1.162	0.965	1.000	0.947	1.019	---	1.062

- (a) See Exhibit 5.1.
- (b) Based on WCIRB calendar year experience calls. The industry average charged rates reflect most rating plan adjustments but do not reflect the application of deductible credits or retrospective rating plan adjustments.
- (c) Reflects (1) advisory pure premium rate level changes to bring premium to the advisory January 1, 2021 pure premium rate level and (2) an additional adjustment factor, which is the ratio of the average advisory January 1, 2021 pure premium rate (\$1.46) to the industry average filed pure premium rate as of January 1, 2021 (\$1.86).
- (d)  $(2b) \div (2a)$ . This column adjusts premiums at the industry average charged rate level to the industry average filed pure premium rate level as of January 1, 2021.
- (e) Based on unit statistical data.
- (f) Based on average promulgated experience modifications. Calendar years 1996 through 2000 include adjustments for the impacts of AB 1913 and SB 1217 (1998).
- (g) Based on a comparison of premium reported on a calendar year basis to premium reported on an estimated ultimate policy year basis over the course of two accident years. The factor is applied only for calendar years 2007 to 2010, during which reported premiums were impacted by recessionary economic forces.
- (h)  $(1) \times (2c) \times (3) \times (6) \div [(4) \times (5)]$  for calendar years 2007 to 2010.  $(1) \times (2c) \times (3) \div [(4) \times (5)]$  for all other calendar years.



**Accident Year Indemnity Claim Frequency Model**  
**As of PY 2018 1st Set & June 2021 UCLA**

AY	Annual %	Annual Log Differences						
	Changes Intra- Class Ind Freq	Intra-Class Indemnity Frequency per \$M Exposure at PY 2019 Level			AY+1	Cumulative Injury Index	Economic Variables	CalOSHA
	Total	Total	Cumulative	Non-cum.	Indemnity Benefit Level		(1st Prin. Comp.)	Dummy Variable
1979	0.5%	0.005	-0.053	0.007	0.000	-0.060	0.129	0.000
1980	-6.5%	-0.068	-0.132	-0.066	0.033	-0.066	-0.078	0.000
1981	-3.5%	-0.036	-0.028	-0.036	0.000	0.008	-0.076	0.000
1982	-1.6%	-0.016	0.153	-0.022	0.352	0.175	-0.285	0.000
1983	6.2%	0.060	0.214	0.054	0.081	0.160	0.028	0.000
1984	9.5%	0.091	0.235	0.084	0.000	0.151	0.215	0.000
1985	2.0%	0.020	0.138	0.014	0.000	0.124	0.078	0.000
1986	-2.4%	-0.024	0.039	-0.028	0.000	0.067	0.075	0.000
1987	1.5%	0.015	0.053	0.013	0.000	0.041	0.145	0.000
1988	0.7%	0.007	0.104	0.000	0.000	0.104	0.084	0.000
1989	2.5%	0.024	0.212	0.009	0.046	0.203	0.043	0.000
1990	9.0%	0.087	0.337	0.061	0.071	0.276	-0.115	0.000
1991	0.3%	0.003	0.166	-0.018	0.023	0.184	-0.282	0.000
1992	-11.1%	-0.118	-0.272	-0.098	0.013	-0.174	-0.181	0.068
1993	-14.9%	-0.162	-0.240	-0.153	-0.057	-0.088	-0.021	0.464
1994	-12.8%	-0.136	-0.462	-0.107	0.061	-0.355	0.103	0.173
1995	-4.6%	-0.048	-0.016	-0.050	0.053	0.034	0.089	0.295
1996	-6.8%	-0.070	-0.136	-0.065	0.096	-0.071	0.072	0.000
1997	-3.3%	-0.033	-0.023	-0.034	0.066	0.011	0.132	0.000
1998	-3.7%	-0.038	-0.039	-0.038	0.058	-0.002	0.075	0.000
1999	1.5%	0.015	0.100	0.008	0.040	0.092	0.122	0.000
2000	4.0%	0.039	0.070	0.036	-0.003	0.034	0.063	0.000
2001	-6.9%	-0.072	-0.017	-0.076	-0.007	0.059	-0.096	0.000
2002	-2.3%	-0.023	0.008	-0.026	0.060	0.034	-0.194	0.000
2003	-2.9%	-0.029	-0.006	-0.031	-0.065	0.025	-0.022	0.000
2004	-16.7%	-0.182	-0.210	-0.180	-0.398	-0.030	0.090	0.000
2005	-13.6%	-0.146	-0.298	-0.133	0.051	-0.165	0.135	0.000
2006	-5.6%	-0.058	-0.049	-0.058	0.016	0.009	0.090	0.000
2007	-1.7%	-0.017	0.020	-0.020	0.049	0.040	-0.080	0.000
2008	-2.7%	-0.027	0.038	-0.033	0.006	0.071	-0.296	0.000
2009	-0.2%	-0.002	0.168	-0.018	0.066	0.186	-0.414	0.000
2010	8.9%	0.085	0.139	0.079	0.012	0.060	-0.090	0.000
2011	1.2%	0.012	0.032	0.010	0.003	0.022	0.048	0.000
2012	4.7%	0.046	0.127	0.036	0.025	0.091	0.123	0.000
2013	0.4%	0.004	0.126	-0.013	0.071	0.139	0.155	0.000
2014	0.2%	0.002	0.042	-0.004	0.003	0.046	0.179	0.000
2015	-1.4%	-0.014	0.006	-0.017	0.002	0.023	0.194	0.000
2016	-2.6%	-0.027	0.053	-0.040	0.004	0.093	0.126	0.000
2017	-2.1%	-0.021	-0.084	-0.011	0.004	-0.073	0.133	0.000
2018	-1.2%	-0.013	-0.055	-0.006	0.003	-0.049	0.126	0.000
2019*	0.5%	0.005	0.070	-0.007	0.004	0.077	0.032	0.000
2020	-11.2%	-0.118	-0.118	-0.118	0.004	0.000	-0.900	0.000
2021	2.1%	0.020	0.020	0.020	0.007	0.000	0.355	0.000
2022	1.5%	0.015	0.015	0.015	0.000	0.000	0.319	0.000
2023	0.3%	0.003	0.003	0.003	0.000	0.000	0.205	0.000

**Y = Hazardousness-Adjusted Noncumulative Indemnity Claim Frequency**

Constant	-0.020				
Std Err of Y Est	0.038				
R Squared	0.577				
No. of Observations	41				
Degrees of Freedom	36				
X Coefficient(s)		0.177	0.278	0.110	-0.144
Std Err of Coef.		0.070	0.059	0.043	0.074

**Notes:**

Indemnity Benefit Level variable is leading. The benefit level change for AY 2004 is related to the AY 2003 change in non-cumulative frequency.  
The Indemnity Benefit Level change for Ogilvie & Almaraz / Guzman in 2009-2010 is not leading.  
The Indemnity Benefit Level variable excludes indemnity benefit utilization, and changes in the death and permanent total benefits.  
The Indemnity Benefit Level variable has been revised due to on-leveling reassessments. See Actuarial Committee item AC09-03-03.  
For 1993 on, cumulative claims include both cumulative trauma and occupational disease claims. See March 19, 2014 Actuarial Committee Agenda Item III.  
Economic variables are historical through 2020; June 2021 UCLA Anderson Forecasts for 2021 on.  
Regression is over AY 1979 through AY 2019. AY 2020 through AY 2023 are projections.  
The constant term, -0.020, consists of measured offsets that recognize annual changes in real benefit levels relative to nominal benefit levels and long-term economic growth. Without these offsets, the indemnity benefit level and economic variables would project frequency to increase without bound.  
\*AY 2019 change is based on a comparison of 2019 accidents on 2018 policies to 2018 accidents on 2017 policies.

**Projection of Indemnity Severity Trends by Accident Year  
Based on Experience as of June 30, 2021**

Accident Year	(1) Estimated Ultimate Severity	(2) Annual % Change	(3) Indemnity Adjustment Factor (a)	(4) Ultimate On-level Severity (1) x (3)	(5) Annual % Change
1990	9,983	---	1.990	19,865	---
1991	10,910	9.3%	1.882	20,532	3.4%
1992	11,003	0.8%	1.819	20,019	-2.5%
1993	11,958	8.7%	1.809	21,627	8.0%
1994	12,899	7.9%	1.894	24,436	13.0%
1995	14,448	12.0%	1.765	25,494	4.3%
1996	16,216	12.2%	1.656	26,850	5.3%
1997	19,246	18.7%	1.486	28,593	6.5%
1998	21,120	9.7%	1.370	28,941	1.2%
1999	23,138	9.6%	1.270	29,379	1.5%
2000	24,596	6.3%	1.185	29,155	-0.8%
2001	27,257	10.8%	1.187	32,342	10.9%
2002	26,404	-3.1%	1.215	32,090	-0.8%
2003	26,173	-0.9%	1.212	31,711	-1.2%
2004	21,249	-18.8%	1.431	30,414	-4.1%
2005	19,207	-9.6%	1.643	31,558	3.8%
2006	20,898	8.8%	1.522	31,817	0.8%
2007	22,796	9.1%	1.468	33,457	5.2%
2008	24,785	8.7%	1.387	34,366	2.7%
2009	25,964	4.8%	1.378	35,786	4.1%
2010	25,337	-2.4%	1.353	34,268	-4.2%
2011	24,983	-1.4%	1.334	33,323	-2.8%
2012	24,382	-2.4%	1.317	32,118	-3.6%
2013	23,722	-2.7%	1.291	30,620	-4.7%
2014	24,613	3.8%	1.200	29,530	-3.6%
2015	24,877	1.1%	1.183	29,423	-0.4%
2016	24,162	-2.9%	1.168	28,218	-4.1%
2017	24,260	0.4%	1.137	27,593	-2.2%
2018	25,028	3.2%	1.108	27,732	0.5%
2019	26,636	6.4%	1.076	28,660	3.3%
2020	28,203	5.9%	1.051	29,655	3.5%
(6) Estimated Annual Exponential Trend Based on 1990 to 2020:					1.0%
(7) Estimated Annual Exponential Trend Based on 2005 to 2019:					-1.5%
(8) Estimated Annual Exponential Trend Based on 2015 to 2019:					-0.7%
Selected Indemnity Severity Trend:					1.0%

(a) These adjustment factors are based on Exhibit 4.1, excluding the impact of frequency.

Source: WCIRB quarterly experience calls, excluding COVID-19 claims.

**Projection of Medical Severity Trends by Accident Year  
Based on Experience as of June 30, 2021**

Accident Year	(1) Estimated Ultimate Severity (a)	(2) Annual % Change	(3) Medical Adjustment Factor (b)	(4) Ultimate On-level Severity (1) x (3)	(5) Annual % Change
1990	8,808	---	0.910	8,017	---
1991	9,489	7.7%	0.893	8,472	5.7%
1992	9,534	0.5%	0.863	8,224	-2.9%
1993	10,400	9.1%	0.846	8,796	7.0%
1994	11,383	9.5%	0.889	10,117	15.0%
1995	13,105	15.1%	0.881	11,544	14.1%
1996	14,093	7.5%	0.872	12,291	6.5%
1997	16,762	18.9%	0.866	14,517	18.1%
1998	20,397	21.7%	0.763	15,564	7.2%
1999	23,429	14.9%	0.661	15,490	-0.5%
2000	26,204	11.8%	0.608	15,920	2.8%
2001	31,279	19.4%	0.554	17,325	8.8%
2002	31,420	0.5%	0.575	18,074	4.3%
2003	30,117	-4.1%	0.604	18,176	0.6%
2004	27,744	-7.9%	0.798	22,147	21.8%
2005	28,620	3.2%	0.798	22,846	3.2%
2006	31,096	8.7%	0.795	24,724	8.2%
2007	34,569	11.2%	0.780	26,972	9.1%
2008	37,247	7.7%	0.777	28,947	7.3%
2009	39,171	5.2%	0.774	30,320	4.7%
2010	39,155	0.0%	0.772	30,217	-0.3%
2011	35,358 (c)	---	0.793	28,046 (c)	---
2012	32,980	-6.7%	0.839	27,656	-1.4%
2013	30,316	-8.1%	0.923	27,969	1.1%
2014	29,614	-2.3%	0.983	29,102	4.1%
2015	28,708	-3.1%	1.007	28,907	-0.7%
2016	27,557	-4.0%	1.010	27,833	-3.7%
2017	27,377	-0.7%	1.013	27,734	-0.4%
2018	28,801	5.2%	1.014	29,206	5.3%
2019	28,739	-0.2%	1.010	29,028	-0.6%
2020	28,364	-1.3%	1.006	28,535	-1.7%

Selected Medical Severity Trend: 1.0%

(a) Estimated ultimate severities for all accident years are derived by dividing ultimate medical losses on indemnity claims by ultimate indemnity claim counts. The estimated ultimate medical severities were derived from the projected ultimate loss ratios shown in Exhibit 3.2, column (6).

(b) These adjustment factors are based on Exhibit 4.4, excluding the impact of frequency, and including the impact of SB 1160 provisions applicable to outstanding medical losses.

(c) Severities for accident years 2011 and subsequent do not reflect the cost of medical cost containment programs (MCCP). Severities for accident years 2010 and prior do reflect MCCP costs.

Source: WCIRB quarterly experience calls, excluding COVID-19 claims.

**Projection of Medical Severity Trends by Accident Year  
Adjusted to Remove the Cost of Medical Cost Containment Programs (MCCP)  
Based on Experience as of June 30, 2021**

MCCP Included					MCCP Removed Based on WCIRB Aggregate Calendar Year Data Calls (b)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Accident Year	Estimated Ultimate Severity (a)	Annual % Change	Ultimate On-Level Severity (c)	Annual % Change	Estimated Ultimate Severity (a)	Annual % Change	Ultimate On-Level Severity (c)	Annual % Change
2005	28,620	---	22,846	---	27,122	---	21,651	---
2006	31,096	8.7%	24,724	8.2%	29,159	7.5%	23,184	7.1%
2007	34,569	11.2%	26,972	9.1%	32,278	10.7%	25,185	8.6%
2008	37,247	7.7%	28,947	7.3%	33,998	5.3%	26,422	4.9%
2009	39,171	5.2%	30,320	4.7%	35,910	5.6%	27,796	5.2%
2010	39,155	0.0%	30,217	-0.3%	35,860	-0.1%	27,674	-0.4%
2011	38,736	-1.1%	30,726	1.7%	35,358	-1.4%	28,046	1.3%
2012	36,054	-6.9%	30,233	-1.6%	32,980	-6.7%	27,656	-1.4%
2013	33,229	-7.8%	30,657	1.4%	30,316	-8.1%	27,969	1.1%
2014	32,405	-2.5%	31,846	3.9%	29,614	-2.3%	29,102	4.1%
2015	31,309	-3.4%	31,526	-1.0%	28,708	-3.1%	28,907	-0.7%
2016	29,966	-4.3%	30,266	-4.0%	27,557	-4.0%	27,833	-3.7%
2017	29,793	-0.6%	30,182	-0.3%	27,377	-0.7%	27,734	-0.4%
2018	31,397	5.4%	31,839	5.5%	28,801	5.2%	29,206	5.3%
2019	31,536	0.4%	31,852	0.0%	28,739	-0.2%	29,028	-0.6%
2020	31,250	-0.9%	31,438	-1.3%	28,364	-1.3%	28,535	-1.7%
Estimated Annual Exponential Trend								
Trend Based on 1990 to 2020:				5.2%	N/A			
Trend Based on 2005 to 2019:				1.7%	1.6%			
Trend Based on 2015 to 2019:				0.7%	0.6%			
Selected Medical Severity Trend:								1.0%

- (a) Estimated ultimate severities for all accident years were derived by dividing ultimate medical losses on indemnity claims by ultimate indemnity claim counts.  
(b) Adjustments to accident years 2005 through 2010 based on WCIRB's Annual Calls for Direct California Workers' Compensation Aggregate Indemnity and Medical Costs.  
(c) Ultimate severities are on-leveled based on adjustment factors shown on Exhibit 6.3.

Source: WCIRB quarterly experience calls, excluding COVID-19 claims.

**Projected On-Level Accident Year  
Indemnity Loss to Industry Average Filed Pure Premium Ratios  
Based on Experience as of June 30, 2021**

Accident Year	(1) Developed Indemnity Loss Ratio (a)	(2) Composite Indemnity Adjustment Factor (b)	(3) Composite Premium Adjustment Factor (c)	(4) On-Level Indemnity to Industry Average Filed Pure Premium Ratio (1)×(2)÷(3)
1987	0.347	1.599	1.941	0.286
1988	0.332	1.575	1.701	0.307
1989	0.345	1.552	1.636	0.327
1990	0.400	1.244	1.521	0.327
1991	0.427	1.025	1.377	0.318
1992	0.352	1.081	1.252	0.304
1993	0.289	1.312	1.211	0.313
1994	0.328	1.371	1.368	0.329
1995	0.473	1.269	1.797	0.334
1996	0.531	1.186	1.858	0.339
1997	0.602	1.062	1.805	0.354
1998	0.654	0.980	1.812	0.354
1999	0.687	0.908	1.721	0.363
2000	0.594	0.848	1.362	0.370
2001	0.495	0.848	1.165	0.360
2002	0.370	0.869	0.897	0.358
2003	0.245	0.866	0.639	0.333
2004	0.147	1.186	0.575	0.302
2005	0.125	1.607	0.636	0.317
2006	0.162	1.579	0.818	0.313
2007	0.224	1.523	1.045	0.326
2008	0.284	1.430	1.263	0.321
2009	0.332	1.402	1.363	0.342
2010	0.320	1.375	1.240	0.355
2011	0.299	1.357	1.133	0.358
2012	0.268	1.340	1.009	0.357
2013	0.229	1.310	0.882	0.341
2014	0.218	1.200	0.812	0.322
2015	0.214	1.183	0.776	0.326
2016	0.202	1.168	0.802	0.294
2017	0.206	1.137	0.839	0.279
2018	0.220	1.108	0.882	0.276
2019	0.258	1.076	0.975	0.284
2020	0.274	1.051	1.062	0.271
				Projections (d)
2021				0.282
2022				0.289
9/1/2022				0.290

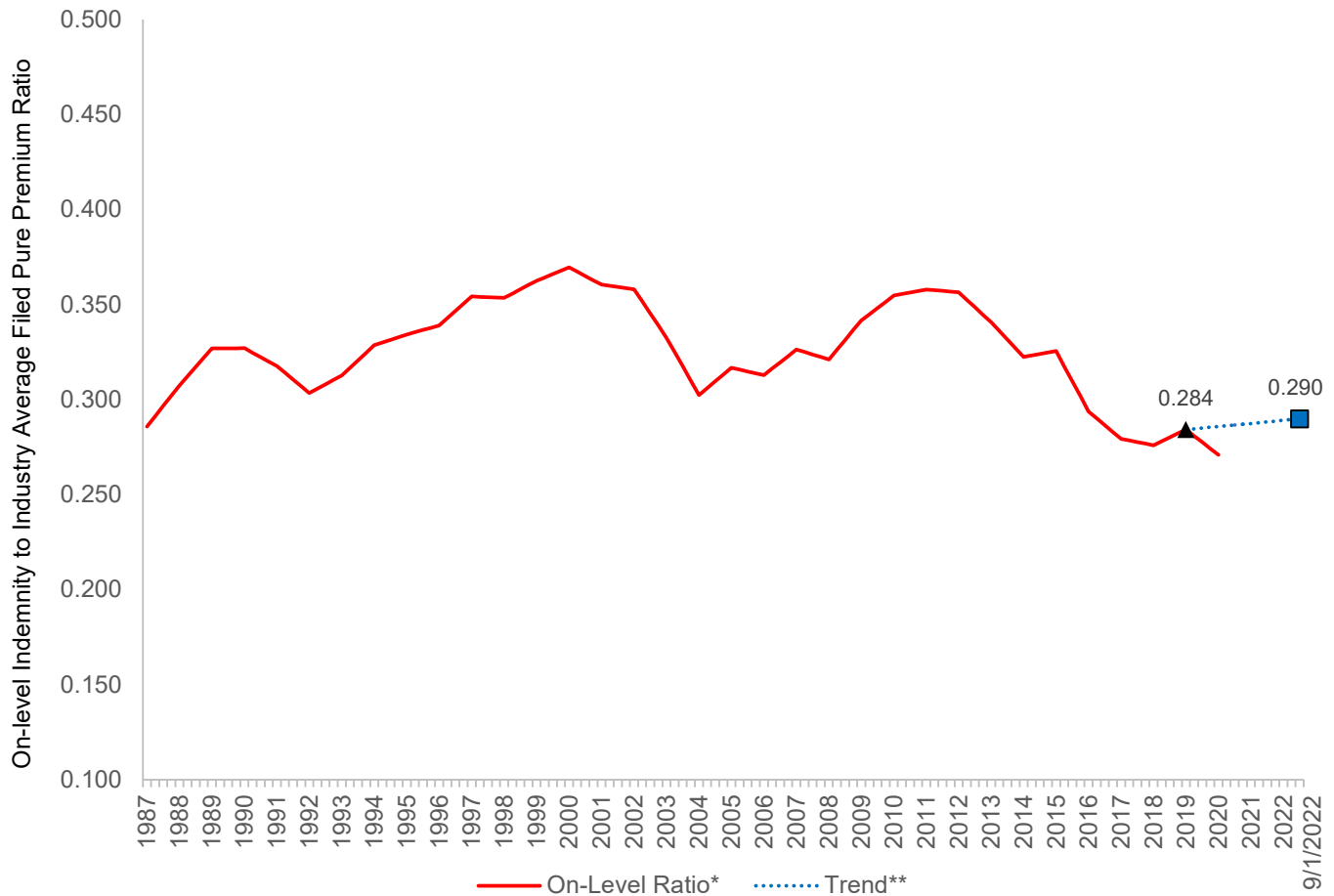
(a) See Exhibit 3.1.

(b) See Exhibit 4.1.

(c) See Exhibit 5.2.

(d) These on-level ratios were projected based on an estimated annual indemnity severity trend from Exhibit 6.2, the actual intra-class frequency trend for accident year 2020 from Exhibit 12, and projected frequency trends for accident years 2021 to 2023 from Exhibit 6.1; these trends were then separately applied to the 2019 on-level ratio.

**On-Level Indemnity Loss to Industry Average Filed Pure Premium Ratios  
Based on Experience as of June 30, 2021**



\* On-level indemnity to industry average filed pure premium ratios (see Exhibit 7.1)

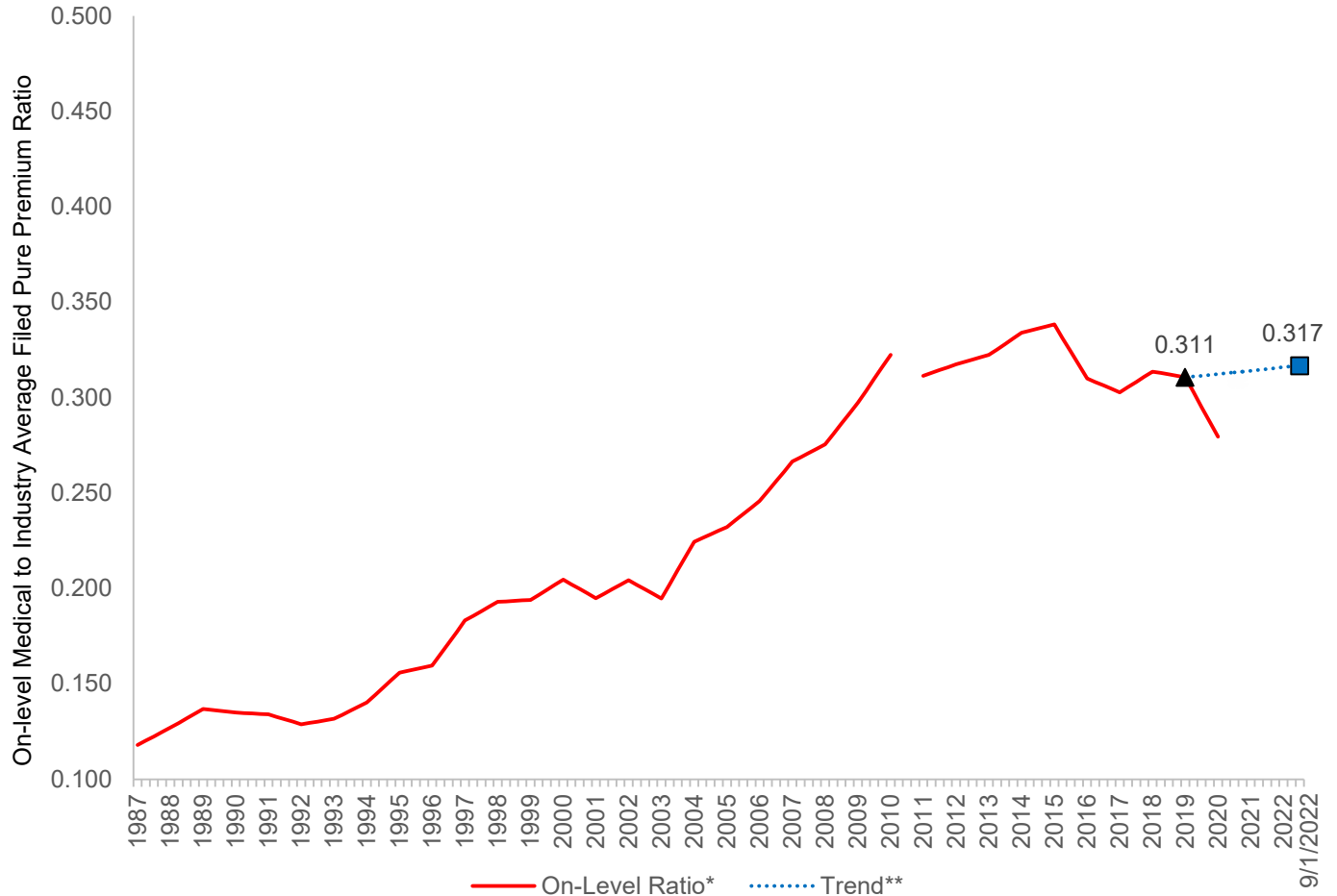
\*\* The 9/1/2022 indemnity to industry average filed pure premium ratio was calculated based on separate frequency and severity trends applied to the 2019 year.

**Projected On-Level Accident Year  
Medical Loss to Industry Average Filed Pure Premium Ratios  
Based on Experience as of June 30, 2021**

Accident Year	(1) Developed Medical Loss Ratio (a)	(2) Composite Medical On-Level Factor (b)	(3) Composite Premium Adjustment Factor (c)	(4) On-Level Medical to Industry Average Filed Pure Premium Ratio (e) (1)×(2)÷(3)
1987	0.286	0.802	1.941	0.118
1988	0.280	0.773	1.701	0.127
1989	0.298	0.750	1.636	0.137
1990	0.338	0.608	1.521	0.135
1991	0.355	0.520	1.377	0.134
1992	0.294	0.548	1.252	0.129
1993	0.243	0.656	1.211	0.132
1994	0.279	0.688	1.368	0.140
1995	0.413	0.678	1.797	0.156
1996	0.443	0.669	1.858	0.160
1997	0.499	0.663	1.805	0.183
1998	0.599	0.584	1.812	0.193
1999	0.660	0.506	1.721	0.194
2000	0.599	0.465	1.362	0.205
2001	0.536	0.424	1.165	0.195
2002	0.416	0.440	0.897	0.204
2003	0.270	0.462	0.639	0.195
2004	0.185	0.698	0.575	0.225
2005	0.182	0.811	0.636	0.232
2006	0.236	0.852	0.818	0.246
2007	0.333	0.836	1.045	0.267
2008	0.419	0.830	1.263	0.276
2009	0.495	0.819	1.363	0.297
2010	0.490	0.816	1.240	0.322
2011	0.425	0.830	1.133	0.311
2012	0.369	0.869	1.009	0.317
2013	0.301	0.943	0.882	0.322
2014	0.275	0.988	0.812	0.334
2015	0.261	1.007	0.776	0.338
2016	0.246	1.010	0.802	0.310
2017	0.251	1.013	0.839	0.303
2018	0.273	1.014	0.882	0.314
2019	0.300	1.010	0.975	0.311
2020	0.295	1.006	1.062	0.280
				Projections (d)
2021				0.308
2022				0.316
9/1/2022				0.317

- (a) See Exhibit 3.2. Medical loss ratios for accident years 2011 and subsequent do not reflect the cost of medical cost containment programs (MCCP). Ratios for accident years 2010 and prior do reflect MCCP costs.
- (b) See Exhibit 4.4.
- (c) See Exhibit 5.2.
- (d) These on-level ratios were projected based on an estimated annual medical severity trend from Exhibit 6.4, the actual intra-class frequency trend for accident year 2020 from Exhibit 12, and projected frequency trends for accident years 2021 to 2023 from Exhibit 6.1; these trends were then separately applied to the 2019 on-level ratio.
- (e) Accident years 2011 and subsequent do not reflect the paid MCCP costs. Accident years 2010 and prior do reflect paid MCCP costs.

**On-Level Medical Loss to Industry Average Filed Pure Premium Ratios  
Based on Experience as of June 30, 2021**



\* On-level medical to industry average filed pure premium ratios (see Exhibit 7.3)

\*\* The 9/1/2022 medical to industry average filed pure premium ratio was calculated based on separate frequency and severity trends applied to the 2019 year.



**Indicated Loss to Industry Average Filed Pure Premium Ratios and Average Pure Premium Rate  
For Policies with Effective Dates between September 1, 2021 and August 31, 2022  
Based on Experience as of June 30, 2021**

	<u>Indemnity</u>	<u>Medical</u>	<u>Total</u>
1. Projected Loss to Industry Average Filed Pure Premium Ratio (See Exhibits 7.1 and 7.3)	0.290	0.317	0.607

Quarterly Incurred Indemnity Loss Development Factors  
Through June 30, 2021

Age in	Accident Year																						
Months	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
6/3	2.755	2.740	2.841	2.834	2.736	2.463	2.417	2.724	2.785	3.031	3.116	3.052	3.238	3.344	3.303	3.209	3.201	3.372	3.200	3.228	--	3.117	
9/6	1.780	1.784	1.790	1.808	1.776	1.618	1.656	1.776	1.820	1.848	1.904	2.001	1.966	1.940	1.960	1.948	1.945	1.874	1.998	2.017	--		
12/9	1.518	1.500	1.520	1.473	1.460	1.355	1.448	1.511	1.510	1.530	1.564	1.632	1.587	1.585	1.570	1.578	1.578	1.580	1.578	1.596	--		
15/12	1.268	1.250	1.257	1.238	1.180	1.149	1.189	1.234	1.248	1.293	1.306	1.306	1.303	1.301	1.301	1.313	1.309	1.298	1.298	1.295	1.264		
18/15	1.188	1.184	1.206	1.167	1.101	1.103	1.140	1.158	1.182	1.194	1.197	1.195	1.206	1.178	1.190	1.187	1.189	1.177	1.183	1.189	1.165		
21/18	1.150	1.148	1.153	1.127	1.066	1.096	1.117	1.128	1.139	1.153	1.140	1.146	1.141	1.141	1.132	1.137	1.134	1.138	1.123	1.128			
24/21	1.121	1.111	1.117	1.094	1.045	1.082	1.098	1.106	1.106	1.114	1.119	1.117	1.111	1.104	1.114	1.111	1.104	1.100	1.102	1.094			
27/24	1.093	1.100	1.094	1.073	1.045	1.070	1.082	1.081	1.088	1.089	1.091	1.085	1.087	1.081	1.082	1.087	1.079	1.078	1.071	1.073			
30/27	1.074	1.082	1.064	1.051	1.040	1.054	1.057	1.072	1.075	1.075	1.080	1.071	1.068	1.067	1.074	1.066	1.064	1.059	1.066	1.061			
33/30	1.048	1.062	1.047	1.032	1.036	1.042	1.049	1.053	1.059	1.052	1.064	1.053	1.060	1.047	1.055	1.050	1.047	1.047	1.045				
36/33	1.039	1.046	1.035	1.020	1.029	1.033	1.039	1.043	1.051	1.049	1.049	1.043	1.041	1.043	1.042	1.036	1.037	1.038	1.029				
39/36	1.035	1.038	1.028	1.017	1.027	1.029	1.031	1.033	1.040	1.039	1.039	1.041	1.035	1.031	1.036	1.030	1.028	1.028	1.027				
42/39	1.034	1.030	1.023	1.018	1.020	1.020	1.031	1.033	1.036	1.038	1.035	1.032	1.028	1.031	1.030	1.027	1.026	1.028	1.023				
45/42	1.026	1.020	1.009	1.019	1.018	1.024	1.026	1.028	1.030	1.035	1.027	1.033	1.022	1.024	1.024	1.024	1.021	1.016					
48/45	1.022	1.013	1.008	1.013	1.013	1.021	1.019	1.021	1.024	1.024	1.026	1.023	1.024	1.020	1.020	1.016	1.017	1.014					
51/48	1.018	1.015	1.010	1.016	1.010	1.018	1.021	1.018	1.022	1.023	1.021	1.018	1.017	1.015	1.019	1.015	1.014	1.013					
54/51	1.013	1.009	1.007	1.017	1.009	1.017	1.021	1.020	1.021	1.020	1.020	1.016	1.019	1.015	1.014	1.013	1.015	1.011					
57/54	1.012	1.006	1.008	1.011	1.011	1.018	1.017	1.014	1.018	1.017	1.015	1.014	1.013	1.011	1.014	1.011	1.009						
60/57	1.007	1.005	1.008	1.009	1.011	1.013	1.019	1.016	1.013	1.015	1.012	1.014	1.012	1.012	1.011	1.007	1.007						
63/60	1.007	1.007	1.008	1.008	1.010	1.014	1.013	1.015	1.011	1.014	1.014	1.009	1.012	1.008	1.010	1.007	1.007						
66/63	1.005	1.006	1.011	1.008	1.010	1.013	1.016	1.014	1.015	1.013	1.013	1.009	1.010	1.009	1.008	1.007	1.007						
69/66	1.003	1.005	1.008	1.007	1.011	1.012	1.011	1.010	1.009	1.012	1.007	1.010	1.010	1.007	1.006	1.007							
72/69	1.005	1.005	1.005	1.009	1.009	1.013	1.011	1.009	1.009	1.009	1.010	1.008	1.007	1.007	1.005	1.005							
75/72	1.004	1.005	1.003	1.005	1.007	1.010	1.011	1.010	1.010	1.008	1.007	1.004	1.006	1.007	1.004	1.006							
78/75	1.003	1.007	1.005	1.006	1.006	1.012	1.009	1.010	1.006	1.006	1.006	1.007	1.005	1.006	1.005	1.006							
81/78	1.003	1.004	1.004	1.005	1.006	1.010	1.009	1.007	1.007	1.006	1.006	1.007	1.005	1.005	1.003								
84/81	1.005	1.003	1.006	1.006	1.007	1.008	1.005	1.009	1.006	1.004	1.007	1.004	1.007	1.003	1.004								
87/84	1.002	1.003	1.004	1.002	1.007	1.010	1.007	1.004	1.005	1.006	1.004	1.006	1.004	1.003	1.002								
90/87	1.003	1.003	1.003	1.004	1.008	1.008	1.008	1.008	1.004	1.005	1.005	1.005	1.004	1.004	1.003								
93/90	1.004	1.003	1.002	1.005	1.006	1.008	1.006	1.007	1.006	1.003	1.004	1.005	1.004	1.003									
96/93	1.001	1.004	1.002	1.006	1.006	1.003	1.002	1.003	1.004	1.004	1.003	1.003	1.003	1.003									

Source: WCIRB accident year experience calls, excluding COVID-19 claims.

Quarterly Incurred Medical Loss Development Factors \*  
Through June 30, 2021

Age in	Accident Year																					
Months	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
6/3	2.536	2.624	2.797	2.805	2.671	2.530	2.584	2.662	2.782	2.892	2.992	2.757	2.853	2.843	2.921	2.863	3.019	3.209	2.891	2.830	--	2.853
9/6	1.713	1.725	1.768	1.762	1.703	1.670	1.650	1.744	1.717	1.807	1.800	1.827	1.833	1.819	1.840	1.884	1.755	1.740	1.820	1.845	--	
12/9	1.463	1.447	1.570	1.425	1.400	1.375	1.453	1.443	1.466	1.454	1.488	1.521	1.484	1.500	1.482	1.451	1.487	1.448	1.459	1.470	--	
15/12	1.201	1.207	1.203	1.197	1.132	1.145	1.138	1.182	1.167	1.199	1.206	1.228	1.211	1.207	1.199	1.206	1.215	1.184	1.191	1.183	1.167	
18/15	1.123	1.144	1.151	1.126	1.086	1.087	1.103	1.106	1.126	1.135	1.129	1.141	1.136	1.117	1.114	1.094	1.095	1.087	1.096	1.100	1.093	
21/18	1.101	1.122	1.116	1.093	1.055	1.061	1.073	1.081	1.090	1.097	1.101	1.103	1.085	1.088	1.077	1.082	1.069	1.069	1.063	1.060		
24/21	1.080	1.083	1.082	1.060	1.040	1.052	1.070	1.074	1.067	1.074	1.080	1.080	1.067	1.064	1.055	1.059	1.057	1.046	1.044	1.052		
27/24	1.070	1.080	1.075	1.042	1.034	1.048	1.055	1.058	1.053	1.071	1.066	1.072	1.058	1.048	1.046	1.048	1.040	1.036	1.030	1.034		
30/27	1.058	1.070	1.051	1.038	1.039	1.049	1.046	1.054	1.057	1.048	1.063	1.052	1.046	1.037	1.044	1.037	1.032	1.028	1.036	1.037		
33/30	1.051	1.059	1.035	1.018	1.032	1.030	1.041	1.045	1.045	1.051	1.055	1.045	1.046	1.031	1.033	1.033	1.026	1.029	1.024			
36/33	1.035	1.040	1.029	1.016	1.024	1.034	1.042	1.033	1.042	1.040	1.041	1.037	1.028	1.026	1.027	1.021	1.021	1.020	1.016			
39/36	1.034	1.037	1.018	1.012	1.028	1.025	1.027	1.029	1.033	1.031	1.040	1.039	1.027	1.021	1.023	1.022	1.011	1.018	1.016			
42/39	1.036	1.026	1.019	1.013	1.017	1.020	1.025	1.035	1.036	1.037	1.037	1.031	1.022	1.026	1.022	1.017	1.010	1.015	1.014			
45/42	1.032	1.023	1.012	1.019	1.033	1.021	1.025	1.029	1.026	1.030	1.028	1.027	1.021	1.018	1.017	1.015	1.011	1.009				
48/45	1.026	1.017	1.008	1.013	1.025	1.018	1.022	1.025	1.029	1.034	1.022	1.023	1.020	1.018	1.014	1.008	1.012	1.008				
51/48	1.024	1.014	1.009	1.013	1.018	1.015	1.020	1.021	1.021	1.026	1.024	1.019	1.014	1.013	1.010	1.008	1.008	1.009				
54/51	1.017	1.016	1.010	1.012	1.021	1.019	1.022	1.022	1.027	1.023	1.019	1.018	1.015	1.011	1.009	1.009	1.012	1.004				
57/54	1.014	1.007	1.011	1.017	1.020	1.018	1.019	1.019	1.023	1.020	1.017	1.018	1.013	1.007	1.009	1.007	1.006					
60/57	1.015	1.009	1.008	1.014	1.020	1.019	1.018	1.017	1.019	1.016	1.015	1.014	1.012	1.007	1.007	1.005	1.005					
63/60	1.013	1.012	1.008	1.016	1.015	1.021	1.015	1.018	1.016	1.020	1.015	1.009	1.009	1.005	1.008	1.005	1.004					
66/63	1.010	1.012	1.015	1.013	1.015	1.022	1.019	1.018	1.017	1.015	1.010	1.008	1.008	1.006	1.010	1.006	1.005					
69/66	1.006	1.008	1.016	1.018	1.015	1.023	1.017	1.017	1.015	1.014	1.010	1.008	1.008	1.005	1.008	1.003						
72/69	1.007	1.009	1.015	1.010	1.014	1.015	1.013	1.014	1.012	1.011	1.010	1.007	1.005	1.005	1.002	1.003						
75/72	1.006	1.008	1.010	1.009	1.012	1.012	1.011	1.018	1.013	1.008	1.006	1.001	1.003	1.006	1.003	1.002						
78/75	1.008	1.012	1.010	1.011	1.018	1.013	1.012	1.012	1.010	1.008	1.008	1.006	1.005	1.003	1.005	1.003						
81/78	1.006	1.009	1.010	1.014	1.018	1.017	1.016	1.009	1.009	1.005	1.006	1.006	1.005	1.004	1.002							
84/81	1.009	1.014	1.009	1.007	1.012	1.011	1.008	1.010	1.008	1.007	1.005	1.001	1.003	1.002	1.002							
87/84	1.008	1.010	1.009	1.010	1.012	1.014	1.012	1.008	1.007	1.004	1.003	1.001	1.002	1.002	1.001							
90/87	1.008	1.008	1.009	1.012	1.009	1.009	1.013	1.008	1.006	1.006	1.003	1.006	1.006	1.001	1.004							
93/90	1.015	1.009	1.011	1.010	1.011	1.012	1.009	1.009	1.007	1.002	1.003	1.002	1.004	1.000								
96/93	1.010	1.012	1.008	1.010	1.011	1.009	1.005	1.006	1.005	1.003	1.002	1.001	1.003	1.002								

Source: WCIRB accident year experience calls, excluding COVID-19 claims.

\* Incurred medical loss development factors include the paid cost of medical cost containment programs (MCCP) for accident years 2011 and prior.

Quarterly Paid Indemnity Loss Development Factors  
Through June 30, 2021

Age in	Accident Year																						
Months	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
6/3	4.170	4.461	4.720	4.908	4.745	4.512	4.376	4.495	4.553	4.807	4.911	4.722	4.854	5.099	5.076	5.056	5.087	5.272	4.987	5.082	--	5.051	
9/6	2.283	2.369	2.443	2.424	2.399	2.303	2.259	2.375	2.377	2.398	2.452	2.432	2.484	2.462	2.462	2.484	2.456	2.446	2.538	2.505	--		
12/9	1.839	1.855	1.897	1.876	1.841	1.774	1.812	1.834	1.810	1.825	1.861	1.869	1.877	1.866	1.879	1.910	1.882	1.892	1.891	1.902	--		
15/12	1.538	1.552	1.550	1.516	1.491	1.456	1.482	1.488	1.481	1.507	1.532	1.539	1.506	1.539	1.540	1.559	1.571	1.544	1.527	1.522	1.505		
18/15	1.395	1.401	1.403	1.379	1.331	1.306	1.306	1.327	1.332	1.343	1.355	1.361	1.361	1.353	1.364	1.372	1.366	1.358	1.353	1.341	1.328		
21/18	1.303	1.303	1.311	1.297	1.241	1.217	1.233	1.235	1.243	1.259	1.257	1.261	1.261	1.263	1.267	1.264	1.256	1.260	1.248	1.258			
24/21	1.256	1.258	1.260	1.244	1.183	1.181	1.195	1.191	1.194	1.206	1.209	1.215	1.213	1.204	1.216	1.211	1.206	1.205	1.206	1.193			
27/24	1.203	1.200	1.205	1.186	1.140	1.142	1.151	1.149	1.153	1.162	1.165	1.168	1.164	1.159	1.170	1.176	1.161	1.159	1.152	1.154			
30/27	1.165	1.175	1.172	1.161	1.122	1.117	1.126	1.129	1.130	1.141	1.141	1.137	1.134	1.141	1.147	1.142	1.137	1.131	1.116	1.125			
33/30	1.130	1.142	1.136	1.123	1.097	1.096	1.100	1.101	1.108	1.114	1.116	1.112	1.111	1.111	1.115	1.107	1.104	1.105	1.103				
36/33	1.103	1.115	1.111	1.097	1.085	1.081	1.080	1.084	1.092	1.094	1.098	1.091	1.091	1.096	1.092	1.089	1.088	1.083	1.077				
39/36	1.081	1.092	1.087	1.072	1.070	1.066	1.064	1.067	1.074	1.078	1.077	1.073	1.075	1.074	1.075	1.071	1.068	1.064	1.066				
42/39	1.077	1.080	1.073	1.063	1.059	1.058	1.058	1.062	1.067	1.067	1.071	1.070	1.065	1.064	1.066	1.062	1.059	1.050	1.056				
45/42	1.063	1.064	1.056	1.049	1.047	1.049	1.047	1.051	1.058	1.059	1.057	1.055	1.054	1.052	1.050	1.050	1.045	1.044					
48/45	1.055	1.053	1.046	1.044	1.041	1.044	1.043	1.047	1.049	1.051	1.050	1.048	1.048	1.048	1.045	1.041	1.040	1.037					
51/48	1.043	1.044	1.036	1.035	1.033	1.036	1.036	1.037	1.042	1.042	1.043	1.039	1.038	1.038	1.039	1.035	1.031	1.031					
54/51	1.036	1.037	1.034	1.035	1.030	1.028	1.035	1.036	1.038	1.041	1.038	1.036	1.036	1.033	1.032	1.031	1.024	1.030					
57/54	1.037	1.030	1.028	1.026	1.025	1.028	1.030	1.032	1.033	1.033	1.032	1.033	1.028	1.027	1.028	1.025	1.024						
60/57	1.027	1.026	1.024	1.024	1.024	1.024	1.028	1.029	1.029	1.032	1.027	1.030	1.028	1.025	1.025	1.023	1.020						
63/60	1.024	1.021	1.022	1.019	1.019	1.021	1.023	1.025	1.025	1.024	1.026	1.025	1.025	1.021	1.021	1.018	1.016						
66/63	1.023	1.021	1.019	1.019	1.019	1.020	1.025	1.025	1.025	1.025	1.023	1.022	1.022	1.018	1.018	1.014	1.016						
69/66	1.020	1.017	1.016	1.017	1.016	1.021	1.020	1.020	1.020	1.022	1.020	1.019	1.022	1.017	1.014	1.013							
72/69	1.018	1.016	1.016	1.015	1.017	1.015	1.020	1.019	1.019	1.019	1.019	1.019	1.016	1.014	1.016	1.012							
75/72	1.015	1.014	1.012	1.012	1.013	1.015	1.019	1.018	1.016	1.016	1.017	1.015	1.014	1.012	1.012	1.011							
78/75	1.012	1.013	1.012	1.011	1.012	1.015	1.017	1.016	1.015	1.016	1.016	1.015	1.013	1.011	1.009	1.012							
81/78	1.011	1.012	1.011	1.010	1.012	1.015	1.015	1.016	1.015	1.015	1.013	1.012	1.011	1.010	1.008								
84/81	1.013	1.010	1.010	1.009	1.011	1.013	1.015	1.014	1.013	1.012	1.013	1.013	1.011	1.010	1.009								
87/84	1.008	1.010	1.009	1.008	1.009	1.012	1.014	1.013	1.010	1.012	1.010	1.011	1.010	1.007	1.006								
90/87	1.010	1.009	1.008	1.008	1.011	1.012	1.013	1.012	1.011	1.010	1.010	1.010	1.009	1.007	1.007								
93/90	1.008	1.008	1.007	1.008	1.012	1.011	1.011	1.012	1.010	1.010	1.009	1.009	1.008	1.007									
96/93	1.006	1.007	1.007	1.007	1.008	1.011	1.011	1.008	1.010	1.010	1.009	1.010	1.007	1.007									

Source: WCIRB accident year experience calls, excluding COVID-19 claims.

Quarterly Paid Medical Loss Development Factors \*  
Through June 30, 2021

Age in	Accident Year																						
Months	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
6/3	5.518	6.168	7.221	7.127	7.617	5.563	5.308	5.615	6.579	6.101	6.048	5.854	5.989	6.284	5.604	5.720	5.897	5.433	5.460	4.986	--	6.034	
9/6	2.356	2.432	2.694	2.577	2.483	2.236	2.348	2.381	2.348	2.375	2.361	2.327	2.398	2.498	2.428	2.287	2.326	2.248	2.351	2.287	--		
12/9	1.749	1.857	1.882	1.825	1.759	1.666	1.716	1.765	1.731	1.723	1.756	1.746	1.763	1.736	1.750	1.705	1.752	1.737	1.719	1.796	--		
15/12	1.514	1.547	1.554	1.510	1.437	1.423	1.429	1.444	1.413	1.429	1.445	1.472	1.446	1.443	1.460	1.454	1.479	1.434	1.425	1.432	1.435		
18/15	1.286	1.310	1.330	1.295	1.243	1.230	1.227	1.259	1.243	1.259	1.268	1.282	1.284	1.263	1.265	1.278	1.263	1.250	1.245	1.231	1.269		
21/18	1.192	1.219	1.211	1.179	1.153	1.151	1.163	1.173	1.170	1.178	1.182	1.187	1.192	1.193	1.192	1.189	1.173	1.170	1.173	1.170			
24/21	1.149	1.159	1.154	1.125	1.115	1.118	1.127	1.133	1.132	1.137	1.144	1.153	1.154	1.148	1.146	1.146	1.141	1.131	1.143	1.138			
27/24	1.121	1.128	1.123	1.093	1.090	1.093	1.106	1.107	1.110	1.112	1.119	1.120	1.123	1.122	1.122	1.124	1.111	1.111	1.108	1.114			
30/27	1.101	1.108	1.103	1.077	1.084	1.087	1.097	1.100	1.100	1.106	1.107	1.111	1.109	1.111	1.111	1.105	1.100	1.092	1.083	1.100			
33/30	1.086	1.089	1.077	1.063	1.071	1.065	1.081	1.083	1.086	1.092	1.094	1.093	1.094	1.090	1.089	1.082	1.082	1.077	1.078				
36/33	1.069	1.076	1.061	1.055	1.062	1.062	1.071	1.072	1.072	1.077	1.083	1.082	1.078	1.080	1.076	1.071	1.067	1.065	1.066				
39/36	1.060	1.061	1.049	1.044	1.053	1.056	1.057	1.059	1.061	1.066	1.071	1.066	1.069	1.065	1.064	1.061	1.055	1.054	1.054				
42/39	1.055	1.054	1.041	1.044	1.049	1.054	1.055	1.058	1.059	1.061	1.068	1.063	1.062	1.057	1.059	1.057	1.048	1.040	1.048				
45/42	1.047	1.044	1.036	1.037	1.040	1.047	1.048	1.049	1.054	1.053	1.056	1.056	1.053	1.051	1.045	1.044	1.042	1.039					
48/45	1.044	1.037	1.032	1.035	1.037	1.043	1.043	1.046	1.047	1.050	1.051	1.046	1.045	1.046	1.041	1.040	1.038	1.033					
51/48	1.037	1.034	1.031	1.030	1.033	1.037	1.036	1.036	1.039	1.041	1.043	1.040	1.039	1.038	1.037	1.032	1.031	1.027					
54/51	1.032	1.027	1.030	1.029	1.034	1.034	1.035	1.035	1.036	1.042	1.038	1.035	1.035	1.034	1.032	1.029	1.023	1.029					
57/54	1.027	1.024	1.024	1.024	1.029	1.031	1.034	1.031	1.033	1.038	1.034	1.034	1.031	1.028	1.026	1.025	1.023						
60/57	1.026	1.021	1.023	1.026	1.028	1.029	1.028	1.032	1.032	1.035	1.030	1.030	1.030	1.023	1.022	1.021	1.019						
63/60	1.022	1.019	1.019	1.020	1.024	1.024	1.024	1.024	1.027	1.027	1.026	1.027	1.025	1.021	1.022	1.019	1.018						
66/63	1.020	1.020	1.018	1.021	1.023	1.024	1.026	1.026	1.029	1.029	1.024	1.028	1.023	1.021	1.018	1.015	1.016						
69/66	1.019	1.018	1.016	1.019	1.021	1.023	1.023	1.021	1.024	1.024	1.022	1.020	1.020	1.017	1.016	1.014							
72/69	1.016	1.017	1.018	1.016	1.021	1.021	1.022	1.022	1.023	1.021	1.020	1.019	1.016	1.015	1.017	1.014							
75/72	1.014	1.015	1.015	1.014	1.018	1.020	1.019	1.019	1.018	1.018	1.018	1.015	1.015	1.013	1.014	1.011							
78/75	1.014	1.015	1.016	1.015	1.016	1.018	1.017	1.022	1.019	1.018	1.017	1.017	1.015	1.013	1.011	1.012							
81/78	1.013	1.014	1.013	1.014	1.018	1.018	1.015	1.019	1.018	1.015	1.015	1.013	1.012	1.011	1.009								
84/81	1.013	1.012	1.012	1.013	1.016	1.016	1.015	1.018	1.015	1.015	1.015	1.013	1.013	1.010	1.009								
87/84	1.010	1.012	1.012	1.012	1.014	1.013	1.015	1.017	1.013	1.013	1.011	1.012	1.010	1.008	1.008								
90/87	1.011	1.013	1.012	1.013	1.015	1.013	1.015	1.013	1.013	1.012	1.011	1.012	1.009	1.008	1.009								
93/90	1.011	1.012	1.011	1.013	1.013	1.012	1.014	1.014	1.013	1.011	1.010	1.009	1.010	1.006									
96/93	1.008	1.010	1.010	1.009	1.013	1.015	1.016	1.011	1.012	1.010	1.009	1.009	1.009	1.006									

Source: WCIRB accident year experience calls, excluding COVID-19 claims.

\* Paid medical loss development factors include the paid cost of medical cost containment programs (MCCP) for accident years 2011 and prior.

Reported Indemnity Claim Count Development

Accident Year	Development															
	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114	114-126	126-138	138-150	150-162	162-174	174-186	186-198	198-210
1996															1.000	1.000
1997														1.000	1.000	1.000
1998													1.000	1.000	1.000	1.000
1999												1.000	1.000	1.000	1.000	1.000
2000											1.000	1.001	1.000	1.000	1.000	1.000
2001										1.000	1.000	1.000	1.000	1.000	1.000	1.000
2002									0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003								0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004							0.999	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000
2005						1.001	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000
2006					1.000	1.001	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	
2007				1.003	1.002	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000		
2008			1.008	1.003	1.002	1.001	1.002	1.001	1.000	1.000	1.000	1.000	1.000			
2009		1.018	1.008	1.004	1.002	1.003	1.001	1.000	1.000	1.000	1.000					
2010	1.057	1.018	1.008	1.005	1.004	1.002	1.000	1.000	1.000	1.000						
2011	1.068	1.019	1.009	1.006	1.002	1.001	1.000	1.000	1.002							
2012	1.073	1.020	1.011	1.004	1.002	1.001	1.000	1.001								
2013	1.066	1.021	1.007	1.003	1.001	1.001	1.001									
2014	1.074	1.014	1.006	1.003	1.001	1.000										
2015	1.060	1.010	1.004	1.003	1.002											
2016	1.063	1.012	1.004	1.002												
2017	1.053	1.013	1.004													
2018	1.055	1.011														
2019	1.059															
Latest Year																
<u>Age-to-Age</u>	1.059	1.011	1.004	1.002	1.002	1.000	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000
<u>Age-to-Ultimate</u>	1.084	1.024	1.013	1.009	1.006	1.005	1.005	1.004	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.002

Source: WCIRB accident year experience calls, excluding COVID-19 claims.

Quarterly Reported Indemnity Claim Count Development Factors

Accident Year	Development														
	<u>3-6</u>	<u>6-9</u>	<u>9-12</u>	<u>12-15</u>	<u>15-18</u>	<u>18-21</u>	<u>21-24</u>	<u>24-27</u>	<u>27-30</u>	<u>30-33</u>	<u>33-36</u>	<u>36-39</u>	<u>39-42</u>	<u>42-45</u>	<u>45-48</u>
2009	2.539	1.651	1.336	1.093	1.025	1.015	1.010	1.008	1.006	1.004	1.003	1.003	1.002	1.003	1.002
2010	2.681	1.683	1.382	1.109	1.036	1.021	1.012	1.009	1.007	1.007	1.005	1.004	1.003	1.002	1.002
2011	2.688	1.708	1.407	1.124	1.037	1.021	1.015	1.011	1.008	1.005	1.005	1.003	1.004	1.003	1.001
2012	2.691	1.738	1.424	1.123	1.041	1.026	1.018	1.010	1.010	1.006	1.005	1.004	1.004	1.003	1.002
2013	2.749	1.727	1.420	1.123	1.050	1.028	1.018	1.012	1.010	1.007	1.004	1.004	1.003	1.007	1.001
2014	2.821	1.739	1.421	1.138	1.045	1.027	1.016	1.010	1.009	1.013	1.003	1.003	1.003	1.001	1.002
2015	2.778	1.723	1.421	1.130	1.045	1.037	1.015	1.010	1.008	1.004	1.003	1.003	1.003	1.002	1.002
2016	2.817	1.781	1.414	1.135	1.045	1.023	1.014	1.012	1.010	1.006	1.004	1.003	1.002	1.002	1.002
2017	2.733	1.717	1.410	1.134	1.043	1.026	1.014	1.009	1.008	1.005	1.004	1.002	1.003	1.002	1.001
2018	2.827	1.732	1.414	1.139	1.045	1.023	1.017	1.010	1.008	1.006	1.002	1.002	1.002		
2019	2.781	1.750	1.425	1.138	1.034	1.023	1.015	1.010	1.009						
2020	--	--	--	1.130	1.042										
2021	2.795														

Source: WCIRB accident year experience calls, excluding COVID-19 claims.

Reported Indemnity Claim Settlement Ratios

Accident Year	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198
1996																98.5%
1997															98.1%	98.3%
1998														97.6%	97.9%	98.1%
1999													97.2%	97.5%	97.8%	98.0%
2000												96.4%	96.9%	97.3%	97.7%	97.9%
2001											94.9%	95.7%	96.3%	96.8%	97.2%	97.5%
2002										94.3%	95.3%	96.1%	96.6%	97.1%	97.5%	97.9%
2003									93.1%	94.5%	95.5%	96.1%	96.7%	97.2%	97.7%	98.1%
2004								91.6%	93.4%	94.9%	95.8%	96.4%	97.0%	97.5%	98.0%	98.3%
2005							89.8%	92.0%	93.8%	95.0%	95.9%	96.7%	97.3%	97.8%	98.2%	98.5%
2006						86.9%	89.7%	92.2%	93.7%	95.0%	96.0%	96.8%	97.4%	97.9%	98.2%	
2007					82.6%	86.7%	90.1%	92.3%	94.1%	95.4%	96.4%	97.1%	97.7%	98.1%		
2008				75.9%	82.1%	87.0%	90.2%	92.8%	94.4%	95.6%	96.7%	97.3%	97.8%			
2009			65.8%	75.0%	81.9%	86.7%	90.3%	92.8%	94.5%	95.9%	96.8%	97.4%				
2010		54.0%	66.7%	76.8%	83.4%	88.2%	91.5%	93.9%	95.4%	96.5%	97.3%					
2011	39.5%	54.6%	68.1%	78.0%	84.6%	89.2%	92.5%	94.7%	96.0%	96.8%						
2012	39.5%	55.7%	69.7%	79.2%	85.9%	90.4%	93.4%	95.2%	96.3%							
2013	39.2%	57.0%	71.0%	81.1%	87.6%	91.7%	94.3%	95.8%								
2014	39.9%	57.8%	72.6%	82.8%	88.8%	92.4%	94.5%									
2015	40.5%	60.1%	75.2%	84.8%	89.9%	92.7%										
2016	42.9%	62.8%	77.6%	85.8%	90.2%											
2017	45.2%	65.5%	78.5%	85.9%												
2018	45.8%	64.7%	77.0%													
2019	44.9%	62.2%														
2020	44.1%															

Source: WCIRB accident year experience calls, excluding COVID-19 claims.



Estimated Ultimate Indemnity Claim Settlement Ratios

Accident Year	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198
1996																98.3%
1997															97.7%	98.0%
1998														97.4%	97.7%	97.9%
1999													96.9%	97.3%	97.6%	97.9%
2000												96.1%	96.7%	97.1%	97.5%	97.7%
2001											94.6%	95.4%	96.0%	96.5%	96.9%	97.3%
2002										94.0%	95.1%	95.9%	96.4%	96.9%	97.3%	97.7%
2003									93.0%	94.3%	95.3%	95.9%	96.5%	97.1%	97.5%	97.9%
2004								91.5%	93.2%	94.6%	95.5%	96.2%	96.8%	97.3%	97.8%	98.1%
2005							89.6%	91.7%	93.6%	94.8%	95.8%	96.5%	97.1%	97.6%	98.0%	98.3%
2006						86.5%	89.4%	91.8%	93.4%	94.8%	95.8%	96.6%	97.2%	97.7%	98.0%	
2007					82.1%	86.3%	89.7%	92.0%	93.9%	95.2%	96.2%	96.9%	97.5%	97.9%		
2008				74.9%	81.3%	86.4%	89.7%	92.4%	94.1%	95.4%	96.4%	97.2%	97.6%			
2009			64.5%	74.0%	81.1%	86.1%	90.0%	92.5%	94.3%	95.7%	96.6%	97.2%				
2010		51.9%	65.4%	75.8%	82.7%	87.8%	91.3%	93.6%	95.2%	96.4%	97.1%					
2011	35.5%	52.4%	66.6%	76.9%	84.0%	88.7%	92.1%	94.3%	95.6%	96.7%						
2012	35.4%	53.5%	68.2%	78.4%	85.2%	89.9%	93.0%	94.8%	96.0%							
2013	35.4%	54.8%	69.8%	80.3%	87.0%	91.2%	93.8%	95.4%								
2014	36.1%	56.2%	71.5%	82.0%	88.3%	91.9%	94.0%									
2015	37.4%	58.7%	74.2%	84.0%	89.3%	92.3%										
2016	39.3%	61.3%	76.7%	85.0%	89.6%											
2017	41.9%	63.9%	77.5%	85.1%												
2018	42.4%	63.2%	76.0%													
2019	41.4%	60.8%														
2020	40.6%															

Source: WCIRB quarterly calls for experience, excluding COVID-19 claims.

Quarterly Ultimate Settlement Ratios

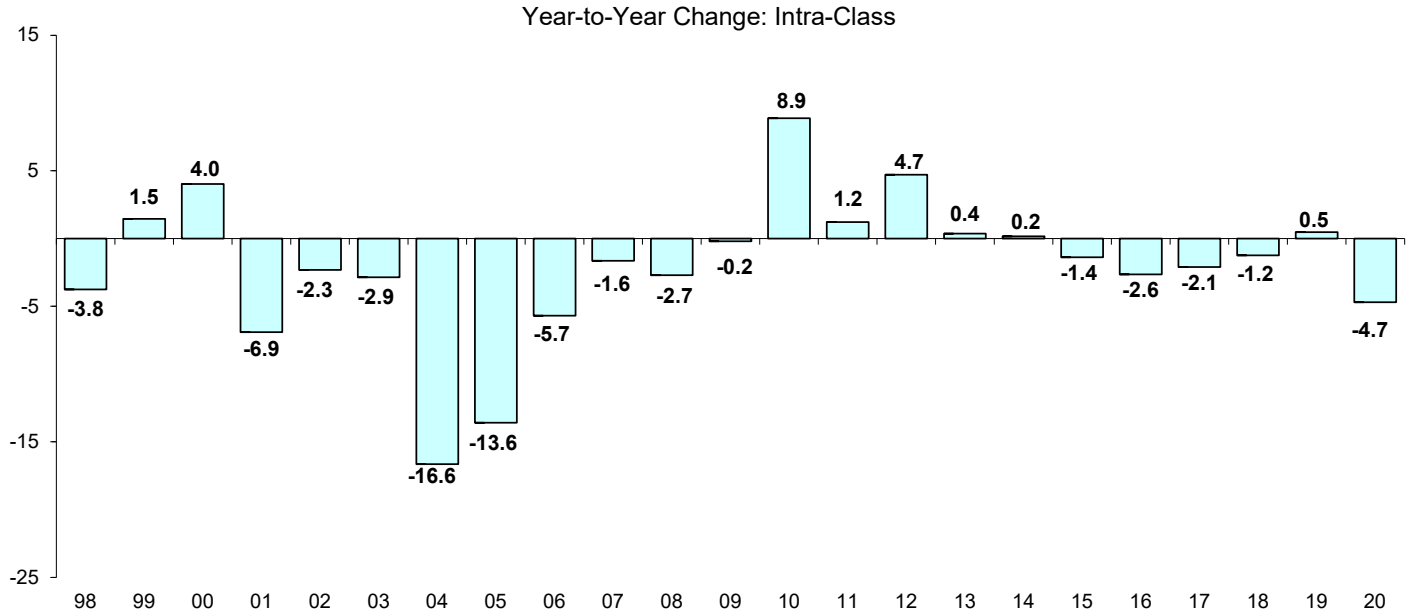
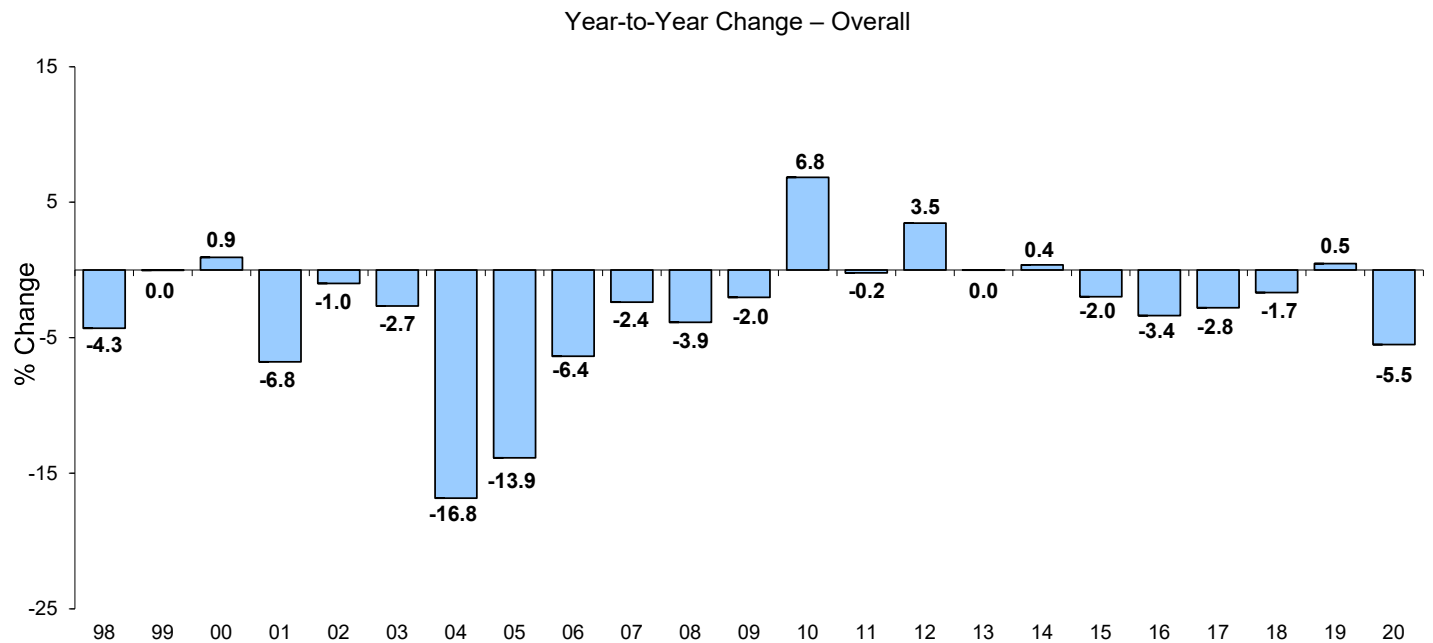
Accident	Evaluated as of (in months):															
Year	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48
2012	0.8%	4.9%	12.1%	20.9%	28.9%	35.4%	40.8%	45.3%	49.3%	53.5%	58.3%	61.8%	65.1%	68.2%	71.7%	74.0%
2013	0.9%	4.9%	11.8%	20.6%	28.9%	35.4%	41.4%	46.0%	50.4%	54.8%	59.6%	63.0%	66.5%	69.8%	73.4%	75.8%
2014	0.8%	4.7%	11.8%	20.8%	29.3%	36.1%	42.1%	47.0%	51.7%	56.2%	60.8%	64.7%	68.0%	71.5%	74.6%	77.5%
2015	0.8%	4.7%	12.2%	20.8%	30.1%	37.4%	43.5%	48.5%	53.7%	58.7%	63.4%	67.3%	70.9%	74.2%	77.4%	79.9%
2016	0.8%	5.0%	12.3%	21.7%	31.5%	39.3%	45.5%	51.1%	56.2%	61.3%	65.9%	69.9%	73.5%	76.7%	79.3%	81.8%
2017	0.9%	5.5%	13.5%	24.0%	34.1%	41.9%	48.3%	54.1%	59.2%	63.9%	68.1%	72.0%	75.3%	77.5%	79.7%	81.9%
2018	1.0%	5.8%	13.9%	24.4%	34.6%	42.4%	48.6%	54.2%	59.3%	63.2%	66.6%	70.3%	73.3%	76.0%		
2019	1.0%	5.7%	13.7%	24.5%	34.7%	41.4%	46.8%	52.0%	56.6%	60.8%						
2020	--	--	--	23.6%	34.0%	40.6%										
2021	1.0%	5.4%														

Accident Year	Quarterly Incremental Change														
	3-6	6-9	9-12	12-15	15-18	18-21	21-24	24-27	27-30	30-33	33-36	36-39	39-42	42-45	45-48
2012	4.1%	7.3%	8.8%	8.0%	6.4%	5.4%	4.5%	4.0%	4.2%	4.8%	3.5%	3.3%	3.1%	3.5%	2.3%
2013	4.0%	6.9%	8.8%	8.3%	6.4%	6.0%	4.6%	4.4%	4.4%	4.8%	3.4%	3.5%	3.3%	3.6%	2.4%
2014	4.0%	7.0%	9.0%	8.5%	6.8%	6.0%	4.9%	4.7%	4.5%	4.6%	3.9%	3.3%	3.5%	3.1%	2.9%
2015	3.8%	7.5%	8.6%	9.3%	7.3%	6.1%	5.0%	5.2%	5.1%	4.7%	3.9%	3.6%	3.3%	3.2%	2.5%
2016	4.1%	7.4%	9.4%	9.8%	7.8%	6.2%	5.6%	5.1%	5.1%	4.6%	4.0%	3.6%	3.1%	2.6%	2.5%
2017	4.7%	8.0%	10.5%	10.1%	7.8%	6.4%	5.8%	5.1%	4.7%	4.2%	3.9%	3.3%	2.2%	2.2%	
2018	4.8%	8.1%	10.5%	10.2%	7.7%	6.3%	5.6%	5.1%	3.9%	3.4%	3.7%	3.0%	2.7%		
2019	4.7%	8.0%	10.8%	10.2%	6.7%	5.4%	5.2%	4.6%	4.1%						
2020	--	--	--	10.4%	6.7%										
2021	4.5%														

Notes All figures in each accident year contain information from the same combination of insurers, all of whom submitted complete data for all evaluations for that accident year. Therefore, each accident year may contain a different mix of insurers (ranging from 83% to 98% of the total California workers' compensation insured market measured using 2020 earned premium levels).

Source: WCIRB accident year experience calls, excluding COVID-19 claims.

### California Workers' Compensation Estimated Indemnity Claim Frequency by Accident Year



**Note:**

The 2020 estimate is based on a comparison of claim counts based on WCIRB accident year experience as of June 30, 2021 relative to the estimated change in statewide employment. The 2020 estimate is without COVID-19 claims. Prior years are based on unit statistical data.

**Average Paid ALAE per Reported Indemnity Claim - Private Insurers**

As of June 30, 2021

Accident	Evaluated as of (in months):									
<u>Year</u>	<u>6</u>	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>	<u>90</u>	<u>102</u>	<u>114</u>
2000								4,413	4,616	4,828
2001							5,285	5,562	5,881	6,063
2002						5,421	5,765	6,142	6,358	6,536
2003					5,120	5,665	6,151	6,458	6,704	6,923
2004				3,846	4,742	5,345	5,779	6,094	6,336	6,547
2005			2,390	3,543	4,389	4,977	5,408	5,749	6,034	6,228
2006		1,110	2,523	3,683	4,534	5,169	5,659	6,006	6,279	6,527
2007	215	1,233	2,711	3,916	4,844	5,553	6,127	6,522	6,845	7,093
2008	249	1,370	2,899	4,302	5,345	6,163	6,734	7,205	7,546	7,786
2009	298	1,503	3,263	4,802	5,988	6,837	7,519	8,012	8,354	8,607
2010	290	1,581	3,427	4,946	6,084	6,950	7,627	8,074	8,389	8,617
2011	275	1,600	6,341	4,878	6,072	7,008	7,607	8,028	8,332	8,527
2012	271	1,606	6,877	5,096	6,323	7,149	7,696	8,067	8,346	8,574
2013	297	1,721	7,255	5,341	6,443	7,160	7,647	7,960	8,230	
2014	312	1,910	7,709	5,487	6,497	7,149	7,588	7,920		
2015	357	2,001	8,056	5,491	6,437	7,024	7,433			
2016	348	2,054	4,080	5,524	6,399	6,963				
2017	375	2,120	4,187	5,499	6,337					
2018	411	2,249	4,288	5,672						
2019	419	2,250	4,276							
2020	416	2,269								
2021	396									

	Annual Change									
<u>Year</u>	<u>6</u>	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>	<u>90</u>	<u>102</u>	<u>114</u>
2001								26.0%	27.4%	25.6%
2002							9.1%	10.4%	8.1%	7.8%
2003						4.5%	6.7%	5.1%	5.4%	5.9%
2004					-7.4%	-5.6%	-6.1%	-5.6%	-5.5%	-5.4%
2005				-7.9%	-7.4%	-6.9%	-6.4%	-5.7%	-4.8%	-4.9%
2006			5.6%	4.0%	3.3%	3.9%	4.7%	4.5%	4.1%	4.8%
2007		11.1%	7.4%	6.3%	6.8%	7.4%	8.3%	8.6%	9.0%	8.7%
2008	15.6%	11.1%	6.9%	9.9%	10.3%	11.0%	9.9%	10.5%	10.3%	9.8%
2009	19.8%	9.7%	12.5%	11.6%	12.0%	10.9%	11.7%	11.2%	10.7%	10.5%
2010	-2.6%	5.2%	5.0%	3.0%	1.6%	1.7%	1.4%	0.8%	0.4%	0.1%
2011	-5.4%	1.2%	85.1%	-1.4%	-0.2%	0.8%	-0.3%	-0.6%	-0.7%	-1.0%
2012	-1.3%	0.4%	8.5%	4.5%	4.1%	2.0%	1.2%	0.5%	0.2%	0.6%
2013	9.4%	7.2%	5.5%	4.8%	1.9%	0.2%	-0.6%	-1.3%	-1.4%	
2014	5.3%	11.0%	6.3%	2.7%	0.8%	-0.2%	-0.8%	-0.5%		
2015	14.3%	4.8%	4.5%	0.1%	-0.9%	-1.8%	-2.0%			
2016	-2.6%	2.6%	-49.4%	0.6%	-0.6%	-0.9%				
2017	7.7%	3.2%	2.6%	-0.5%	-1.0%					
2018	9.8%	6.1%	2.4%	3.1%						
2019	1.9%	0.0%	-0.3%							
2020	-0.8%	0.9%								
2021	-4.8%									

Note: All paid ALAE exclude the paid cost of medical cost containment programs. Accident years 2021 at 6 months and 2020 at 18 months excludes COVID-19 claims.

Source: WCIRB accident year experience calls.

**Paid Allocated Loss Adjustment Expense Development - Private Insurers**  
As of June 30, 2021

Accident	Age-to-Age Development (in months):															
Year	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114	114-126	126-138	138-150	150-162	162-174	174-186	186-198	198-210
1996																1.010
1997															1.010	1.008
1998														1.013	1.012	1.010
1999													1.014	1.013	1.010	1.011
2000												1.017	1.015	1.013	1.012	1.010
2001											1.018	1.016	1.016	1.013	1.010	1.008
2002										1.019	1.017	1.015	1.013	1.010	1.009	1.007
2003									1.026	1.021	1.018	1.015	1.012	1.008	1.007	1.007
2004								1.033	1.027	1.023	1.018	1.013	1.011	1.009	1.007	1.005
2005							1.051	1.038	1.031	1.025	1.018	1.015	1.011	1.011	1.007	
2006						1.069	1.052	1.040	1.030	1.021	1.017	1.012	1.009	1.007		
2007					1.108	1.072	1.051	1.039	1.027	1.020	1.016	1.012	1.008			
2008				1.159	1.103	1.071	1.050	1.033	1.025	1.019	1.014	1.010				
2009			1.264	1.157	1.102	1.068	1.044	1.031	1.023	1.016	1.012					
2010		1.489	1.253	1.148	1.102	1.061	1.040	1.028	1.020	1.014						
2011	2.311	1.486	1.259	1.161	1.088	1.057	1.039	1.024	1.016							
2012	2.344	1.493	1.254	1.135	1.079	1.050	1.035	1.020								
2013	2.327	1.453	1.216	1.115	1.070	1.043	1.025									
2014	2.226	1.412	1.193	1.105	1.064	1.037										
2015	2.155	1.375	1.179	1.096	1.054											
2016	2.123	1.374	1.165	1.088												
2017	2.088	1.333	1.156													
2018	2.020	1.336														
2019	2.014															
	<u>June 30, 2020</u>															
Age-to-Age	2.020	1.333	1.165	1.096	1.064	1.043	1.035	1.024	1.020	1.016	1.014	1.012	1.009	1.011	1.007	1.007
Cumulative	4.883	2.417	1.814	1.557	1.420	1.336	1.281	1.237	1.208	1.185	1.166	1.149	1.136	1.126	1.114	1.106
	<u>June 30, 2021</u>															
Age-to-Age	2.014	1.336	1.156	1.088	1.054	1.037	1.025	1.020	1.016	1.014	1.012	1.010	1.008	1.007	1.007	1.005
Cumulative	4.552	2.260	1.693	1.464	1.347	1.277	1.232	1.201	1.177	1.159	1.143	1.129	1.118	1.109	1.101	1.094
	<u>2-Year Arithmetic Average</u>															
Age-to-Age	2.017	1.334	1.160	1.092	1.059	1.040	1.030	1.022	1.018	1.015	1.013	1.011	1.009	1.009	1.007	1.006
Cumulative	4.714	2.338	1.752	1.510	1.383	1.306	1.256	1.219	1.193	1.172	1.154	1.139	1.127	1.117	1.108	1.100

Accident	Age-to-Age Development (in months):															
Year	210-222	222-234	234-246	246-258	258-270	270-282	282-294	294-306	306-318	318-330	330-342	342-354	354-366	366-378	378-390	
1989							1.004	1.004	1.004	1.003	1.004	1.002	1.005	1.003	1.002	
1990						1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.002	1.001		
1991					1.003	1.003	1.003	1.002	1.003	1.003	1.002	1.002	1.002			
1992				1.003	1.003	1.003	1.003	1.003	1.003	1.002	1.003	1.002				
1993			1.005	1.005	1.006	1.005	1.005	1.004	1.004	1.003	1.002					
1994		1.006	1.006	1.007	1.005	1.005	1.004	1.003	1.003							
1995	1.010	1.008	1.008	1.007	1.008	1.006	1.006	1.005	1.004							
1996	1.008	1.008	1.007	1.006	1.006	1.005	1.005	1.003								
1997	1.008	1.007	1.007	1.006	1.005	1.005	1.004									
1998	1.010	1.009	1.007	1.006	1.005	1.004										
1999	1.009	1.007	1.006	1.005	1.004											
2000	1.008	1.006	1.005	1.004												
2001	1.007	1.006	1.005													
2002	1.006	1.005														
2003	1.005															
	<u>June 30, 2020</u>															
Age-to-Age	1.006	1.006	1.005	1.005	1.005	1.005	1.005	1.005	1.003	1.003	1.003	1.002	1.002	1.003		
Cumulative <sup>(1)</sup>	1.099	1.092	1.085	1.079	1.074	1.069	1.064	1.059	1.054	1.051	1.047	1.044	1.043	1.041	1.038	
	<u>June 30, 2021</u>															
Age-to-Age	1.005	1.005	1.005	1.004	1.004	1.004	1.004	1.003	1.004	1.003	1.002	1.002	1.002	1.001		
Cumulative <sup>(1)</sup>	1.088	1.083	1.078	1.073	1.068	1.065	1.061	1.057	1.054	1.050	1.046	1.044	1.042	1.041		
	<u>2-Year Arithmetic Average</u>															
Age-to-Age	1.006	1.006	1.005	1.004	1.004	1.004	1.004	1.004	1.003	1.003	1.002	1.002	1.002	1.002		
Cumulative <sup>(1)</sup>	1.093	1.087	1.081	1.076	1.071	1.067	1.062	1.058	1.054	1.050	1.047	1.044	1.043	1.041	1.038	

Note:

<sup>(1)</sup> Factors in italics are based on powerfit fit to the "3-Year Arithmetic Average" factors.

Source: WCIRB accident year experience calls. Excludes MSCP costs.

Quarterly Paid ALAE Loss Development Factors<sup>[1]</sup> - Private Insurers

Age in Months		Accident Year															
		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
3	- 6		7.976	7.570	5.434	9.136	8.769	8.693	8.584	6.234	9.866	8.946	8.934	8.191	7.886	7.400	9.485
6	- 9	2.427	3.016	2.765	2.630	3.023	3.176	3.213	3.058	3.163	3.173	3.144	3.064	3.161	3.137	2.858	
9	- 12	2.022	2.078	2.021	2.034	2.077	2.165	2.115	2.133	2.158	2.107	2.101	2.137	2.091	2.135	2.157	
12	- 15	1.653	1.627	1.687	1.724	1.737	1.701	1.713	1.784	1.744	1.734	1.776	1.701	1.672	1.661	1.699	
15	- 18	1.415	1.486	1.494	1.509	1.482	1.486	1.510	1.494	1.488	1.482	1.491	1.451	1.442	1.432	1.465	
18	- 21	1.357	1.328	1.289	1.326	1.334	1.343	1.338	1.349	1.332	1.309	1.309	1.311	1.289	1.261		
21	- 24	1.255	1.234	1.237	1.255	1.253	1.248	1.249	1.237	1.239	1.225	1.227	1.227	1.213	1.218		
24	- 27	1.187	1.191	1.190	1.197	1.189	1.186	1.205	1.187	1.177	1.184	1.167	1.150	1.150	1.159		
27	- 30	1.165	1.167	1.172	1.170	1.158	1.163	1.160	1.156	1.151	1.142	1.132	1.129	1.123	1.132		
30	- 33	1.128	1.119	1.135	1.138	1.133	1.131	1.130	1.123	1.116	1.110	1.109	1.099	1.101			
33	- 36	1.107	1.103	1.111	1.114	1.113	1.108	1.104	1.101	1.095	1.088	1.092	1.084	1.078			
36	- 39	1.093	1.090	1.097	1.094	1.091	1.095	1.093	1.085	1.085	1.073	1.068	1.061	1.064			
39	- 42	1.083	1.086	1.096	1.082	1.083	1.081	1.081	1.077	1.072	1.062	1.062	1.055	1.058			
42	- 45	1.063	1.069	1.069	1.074	1.069	1.068	1.070	1.061	1.057	1.054	1.049	1.047				
45	- 48	1.057	1.059	1.063	1.064	1.062	1.059	1.057	1.055	1.051	1.046	1.043	1.039				
48	- 51	1.050	1.050	1.052	1.053	1.053	1.051	1.050	1.047	1.041	1.036	1.034	1.032				
51	- 54	1.049	1.050	1.049	1.050	1.048	1.048	1.046	1.042	1.035	1.034	1.031	1.030				
54	- 57	1.038	1.043	1.045	1.043	1.040	1.043	1.038	1.035	1.031	1.027	1.025					
57	- 60	1.037	1.038	1.039	1.039	1.037	1.036	1.035	1.031	1.028	1.026	1.023					
60	- 63	1.032	1.032	1.034	1.034	1.032	1.031	1.031	1.025	1.023	1.021	1.019					
63	- 66	1.030	1.031	1.033	1.031	1.032	1.029	1.028	1.022	1.021	1.019	1.018					
66	- 69	1.027	1.029	1.028	1.028	1.028	1.024	1.024	1.021	1.018	1.016						
69	- 72	1.025	1.028	1.026	1.026	1.023	1.023	1.021	1.018	1.018	1.014						
72	- 75	1.022	1.023	1.023	1.022	1.021	1.020	1.019	1.016	1.015	1.013						
75	- 78	1.020	1.023	1.022	1.022	1.020	1.019	1.016	1.015	1.013	1.012						
78	- 81	1.019	1.020	1.020	1.020	1.017	1.017	1.015	1.013	1.011							
81	- 84	1.018	1.019	1.018	1.017	1.016	1.014	1.013	1.012	1.009							
84	- 87	1.016	1.016	1.016	1.015	1.014	1.014	1.011	1.010	1.008							
87	- 90	1.015	1.015	1.016	1.014	1.012	1.012	1.011	1.008	1.008							
90	- 93	1.014	1.014	1.014	1.012	1.012	1.011	1.011	1.007								
93	- 96	1.013	1.013	1.013	1.012	1.010	1.011	1.009	1.007								
96	- 99	1.012	1.011	1.011	1.010	1.010	1.008	1.008	1.006								
99	- 102	1.012	1.012	1.011	1.009	1.009	1.008	1.007	1.006								
102	- 105	1.012	1.011	1.009	1.009	1.008	1.007	1.006									
105	- 108	1.010	1.010	1.008	1.008	1.007	1.007	1.006									
108	- 111	1.009	1.009	1.008	1.008	1.006	1.005	1.005									
111	- 114	1.009	1.008	1.007	1.007	1.006	1.005	1.004									
114	- 117	1.008	1.007	1.007	1.007	1.006	1.004										
117	- 120	1.008	1.007	1.006	1.006	1.006	1.006										
120	- 123	1.007	1.006	1.006	1.005	1.006	1.006										

<sup>[1]</sup> All paid allocated loss adjustment expense exclude the paid cost of medical cost containment programs. Accident Year 2020 at 12-to-15 and 15-to-18 factors exclude COVID-19 claims.

Source: WCIRB quarterly calls for experience.

**Average Paid M CCP per Reported Indemnity Claim - Statewide**  
As of June 30, 2021

Accident Year	Evaluated as of (in months):							
	<u>6</u>	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>	<u>90</u>
2012	400	1,081	1,607	1,879	2,027	2,158	2,249	2,317
2013	380	1,009	1,460	1,725	1,900	2,021	2,106	2,152
2014	369	958	1,415	1,692	1,870	1,975	2,042	2,123
2015	354	953	1,394	1,656	1,815	1,901	1,981	
2016	347	912	1,319	1,548	1,684	1,787		
2017	330	901	1,296	1,532	1,687			
2018	365	953	1,338	1,587				
2019	362	910	1,347					
2020	350	908						
2021	362							

Accident Year	Annual Change							
	<u>6</u>	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>	<u>90</u>
2013	-5.0%	-6.7%	-9.1%	-8.2%	-6.3%	-6.4%	-6.4%	-7.1%
2014	-3.0%	-5.1%	-3.0%	-1.9%	-1.6%	-2.3%	-3.1%	-1.3%
2015	-3.9%	-0.5%	-1.5%	-2.1%	-3.0%	-3.8%	-3.0%	
2016	-2.1%	-4.3%	-5.3%	-6.5%	-7.2%	-6.0%		
2017	-4.9%	-1.2%	-1.8%	-1.0%	0.2%			
2018	10.7%	5.8%	3.3%	3.6%				
2019	-0.8%	-4.5%	0.7%					
2020	-3.4%	-0.2%						
2021	3.4%							

Note: Accident years 2021 at 6 months and 2020 at 18 months excludes COVID-19 claims.

Source: WCIRB accident year experience calls.

## **Item AC21-09-03**

### **Wage Inflation Analysis**

Changes in workers' wages affect both future premium and future indemnity benefit levels. In the WCIRB's pure premium rate projections, wage growth forecasts of general wage series are used to project changes in both. There are several ways this could potentially represent a mismatch. For premium, some components of wages are excluded from workers' compensation exposure with the two largest exclusions being tips and pay beyond the normal hourly wage for overtime. For indemnity benefits, both weekly temporary disability (TD) benefits and weekly permanent disability (PD) are capped and thus inflation at higher wage levels does not affect these benefits. To better understand the differences in the wages for premium and for indemnity benefits, staff relied on two data sets: the American Community Survey (ACS) and Unit Statistical Reports (USR).

The ACS data provides information about individual level salaries as well as distribution information by industry and occupation for all workers in the state. Staff mapped records representing California workers by occupation and industry to classification with the same mapping used for inflation differences by classification in the development of classification relativities for the September 1, 2021 Regulatory Filing. For estimation of premium changes, wages are adjusted for workers' compensation exclusions at an industry level. For estimation of indemnity benefit changes, the ACS data for each calendar year is capped at the wage level that yields the maximum weekly benefit and the wage change over time is calculated based on the capped wage series.

In the USR data, the average weekly wage of the injured worker is reported on each claim. To project changes in indemnity benefits due to wage inflation, the weekly wage amount reported on the USR is capped at the wage level that yields the maximum weekly benefit. The average weekly wage is not always reported on medical-only (MO) claims, particularly for older years. As a result, for purposes of this analysis, we have concentrated primarily on indemnity claim USR wage information.

For claims reported with a valid weekly wage, wages are capped most frequently for PD claims. In recent years, there has been a slight decrease in the share of wages which are capped. (Exhibit 1)

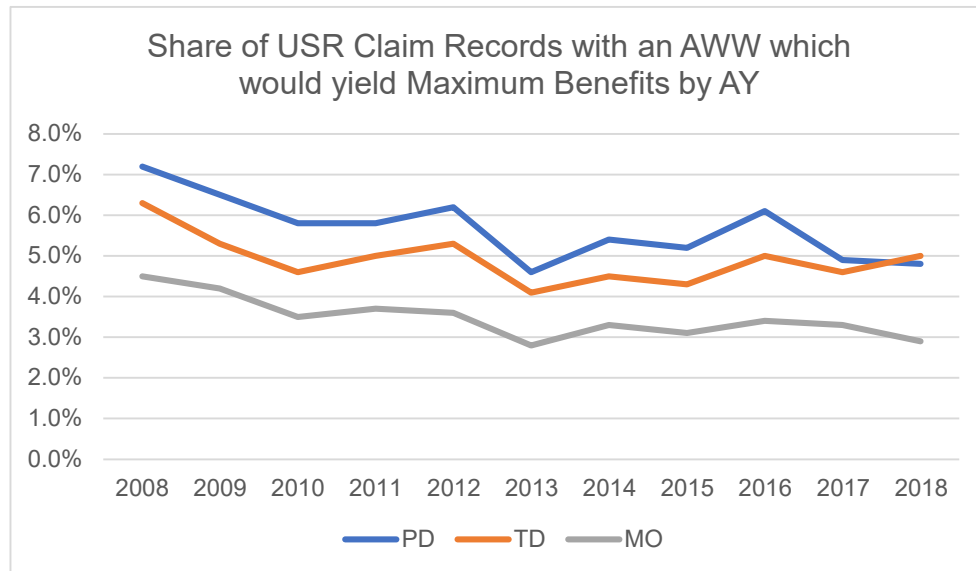
Exhibit 2 shows the USR wage series by injury type. While inflation for TD claims has tended to be slightly higher than for PD and the MO claims for which weekly wage information is available, the changes in wages have been relatively similar.

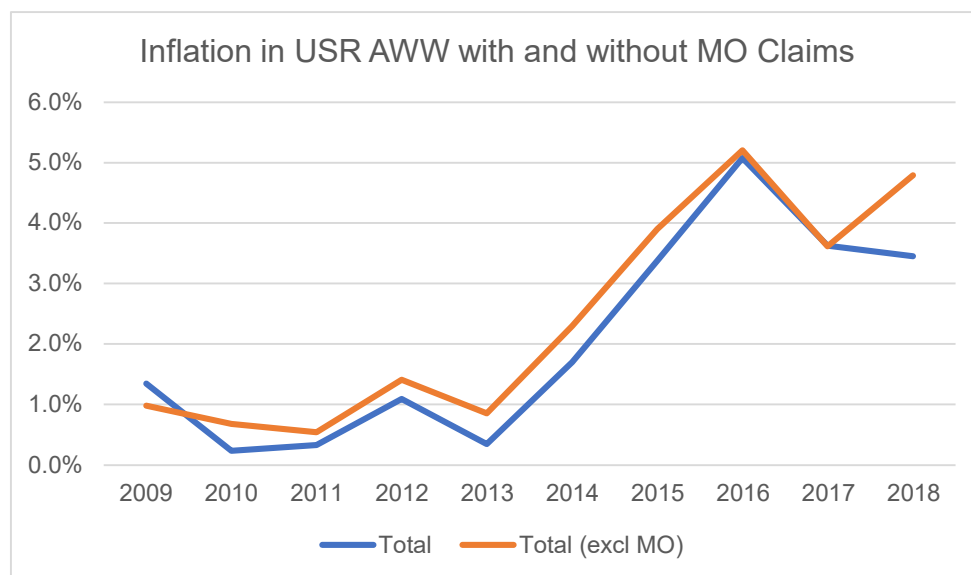
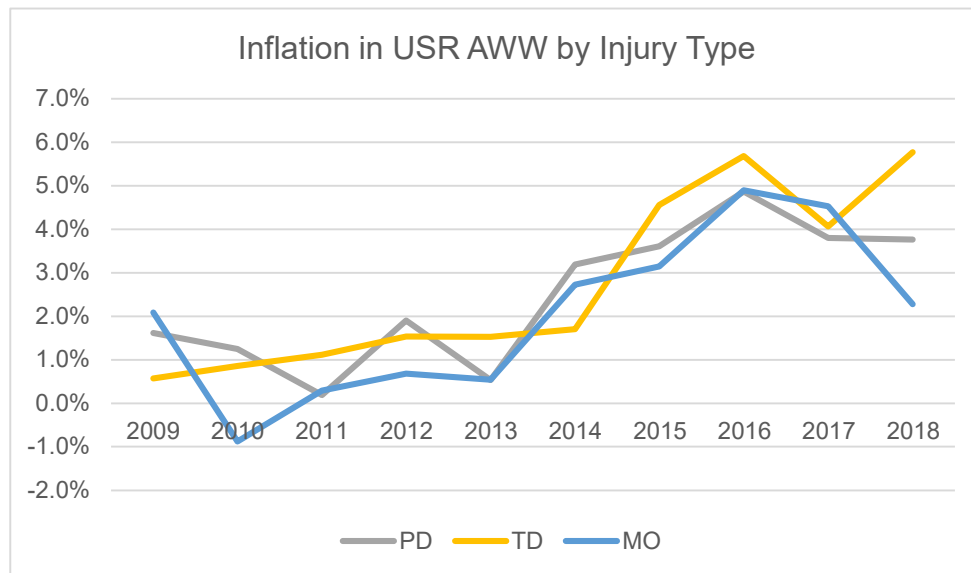
To assess the adequacy of the ACS wage series for projecting indemnity benefits, staff compared the changes over time in the uncapped ACS wage series to both the capped ACS wage series and the capped USR wage series. Exhibits 3.1 and 3.2 compare the ACS wage changes, both uncapped and capped, to the USR average with MO claims excluded. Exhibit 2.1 shows the inflation on an annual basis while Exhibit 3.2 shows the inflation on a rolling three-year basis. In most years, the uncapped ACS inflation was higher than the capped ACS inflation which implies that forecasts of uncapped wages could potentially overstate future inflation in indemnity benefits. As shown in Exhibits 2.1 and 2.2, neither the capped ACS inflation nor the capped USR inflation measure has consistently been higher or lower.

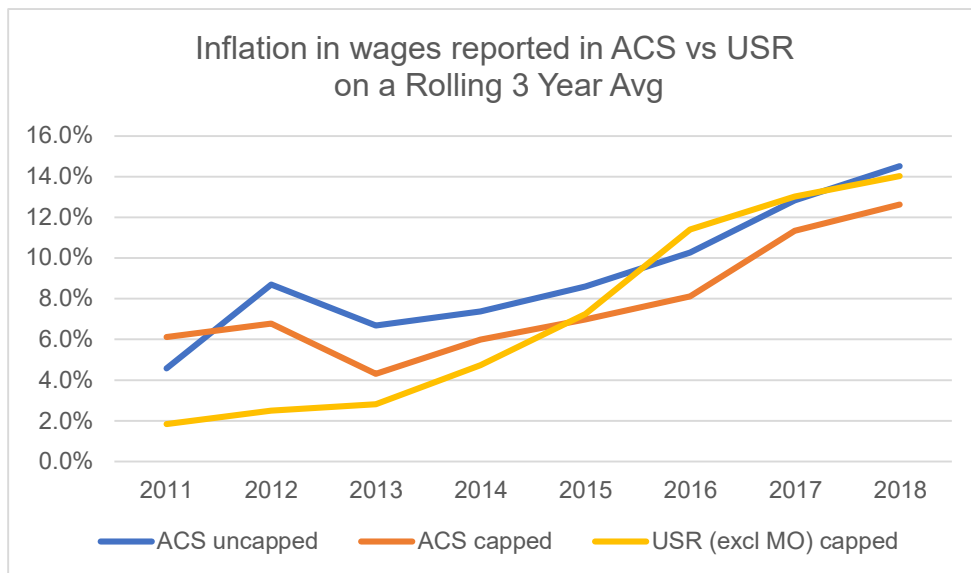
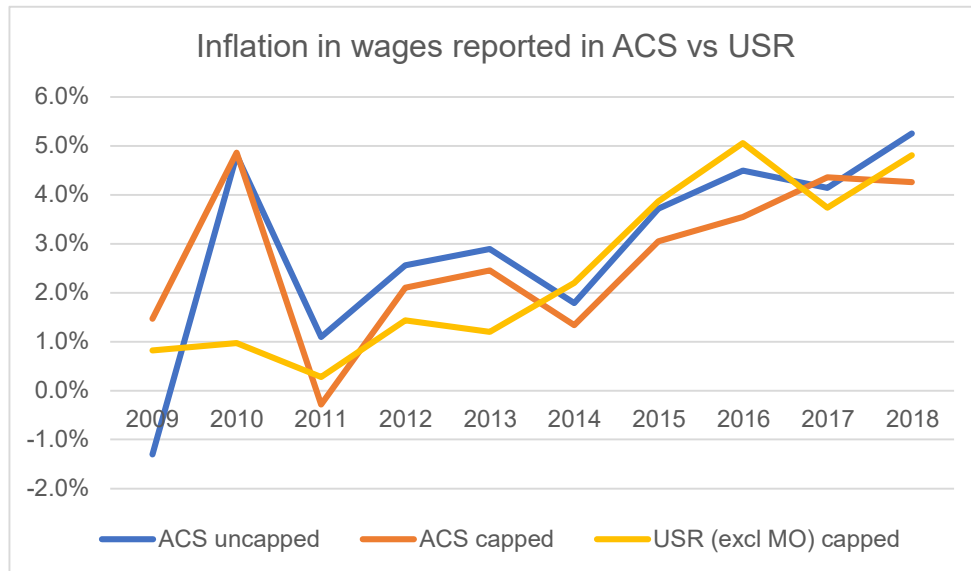
Exhibit 4 compares the wage inflation at various percentiles in the ACS wage distribution after wages are adjusted at an industry level for estimated workers' compensation exclusions. The cumulative change over time is quite similar at the different percentiles. Until 2014, wage level changes were generally lower at lower percentiles of the wage distribution but the pattern has seemed to shift since 2014.

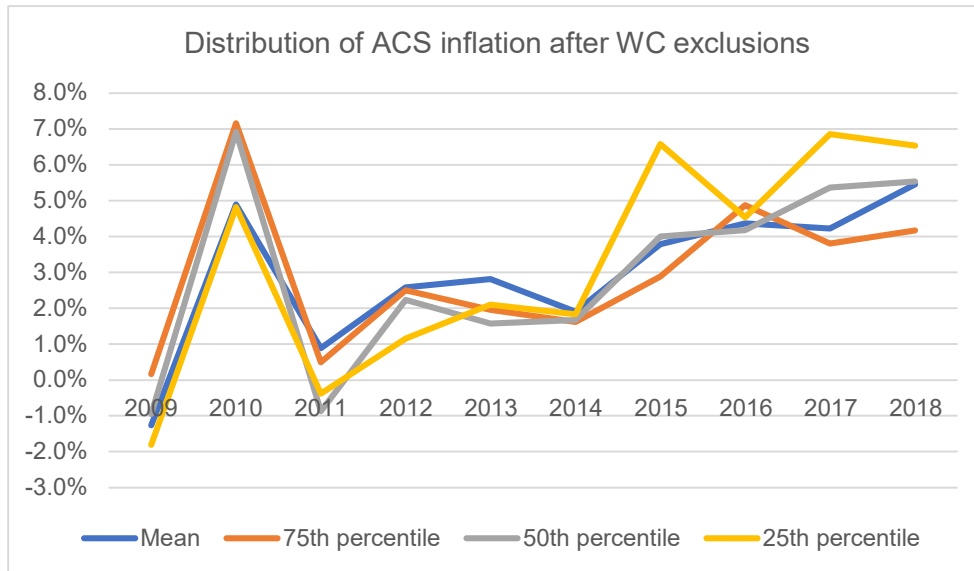
Staff plans to continue to investigate the possibility of adjusting wage forecasts to more accurately project future wage inflation in indemnity benefits and premium levels.











## **Item AC21-09-04**

### **Study of California Frictional Costs**

As discussed in prior pure premium rate filings and at prior Committee meetings, LAE and other frictional costs in California workers' compensation are much higher than in other states. In 2017, the WCIRB published a report analyzing the high levels of ALAE in California.<sup>1</sup> In the WCIRB's [2021 State of the System Report](#), it was noted that, despite recent reforms, frictional costs remain high in California workers' compensation compared to other systems. At the meeting, staff will present an initial study of the drivers of high frictional costs in California. Draft slides summarizing the initial analysis are attached for the Committee's review.





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<sup>1</sup> [Emerging Trends in California Workers' Compensation ALAE Costs](#), WCIRB, January 2017.

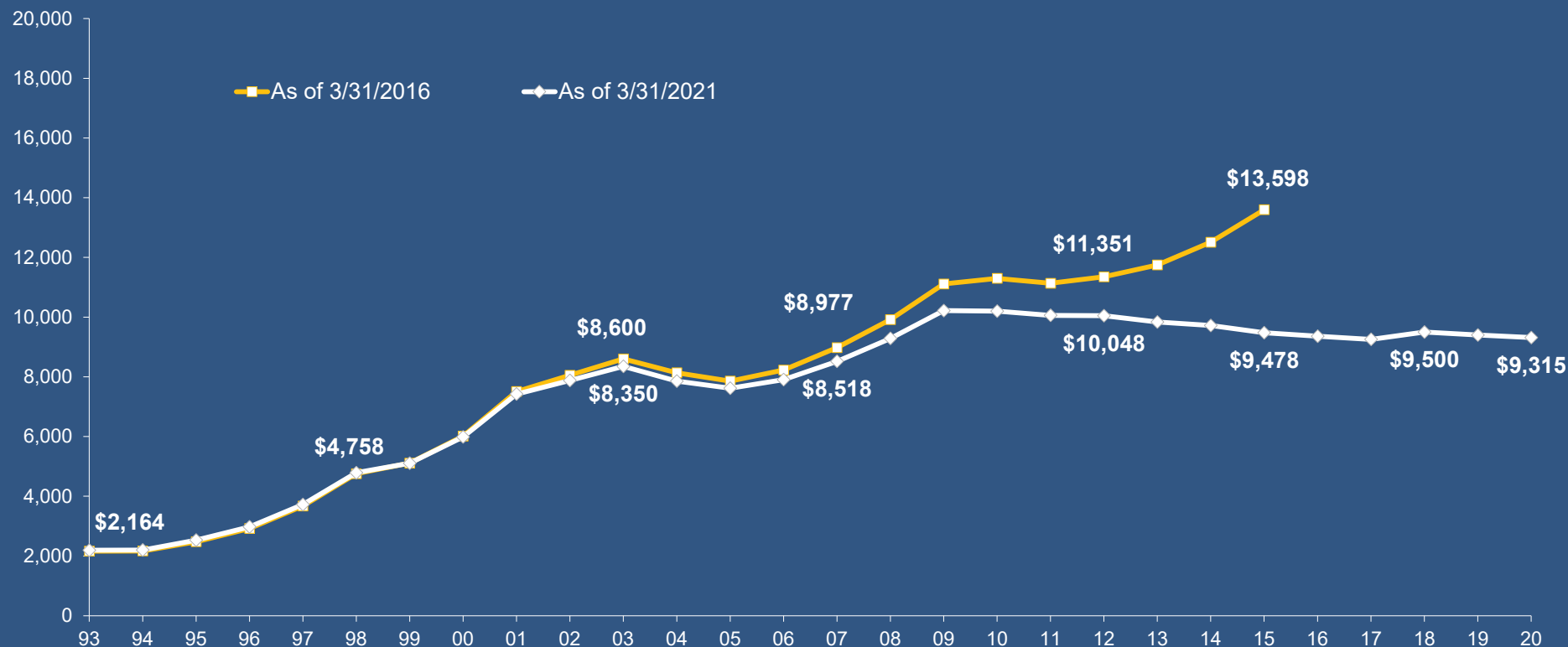
## Study Questions

- Why are California workers' compensation frictional costs high compared to other systems?
- What is driving recent trends in frictional costs?
- What impact do the high California frictional costs have on other system components?

## CA Compared to Other Systems – Cost to Deliver \$1 of Benefits

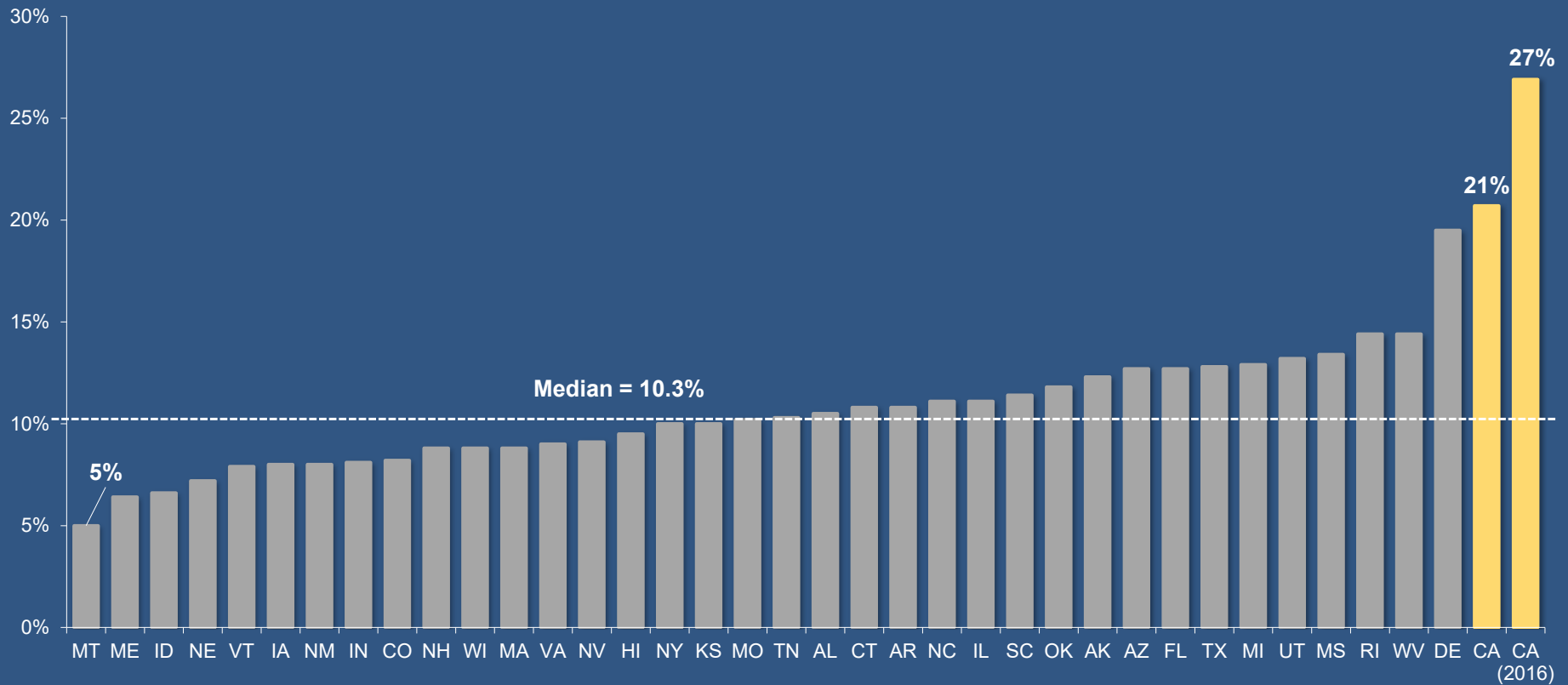
Medicare		\$0.02
Private Group Health Insurance		\$0.18
Workers' Compensation Median State		\$0.25
California Workers' Compensation		\$0.48

## Recent Trends – Estimated Ultimate ALAE (Excl. MCCP) Per Indemnity Claim for Private Insurers

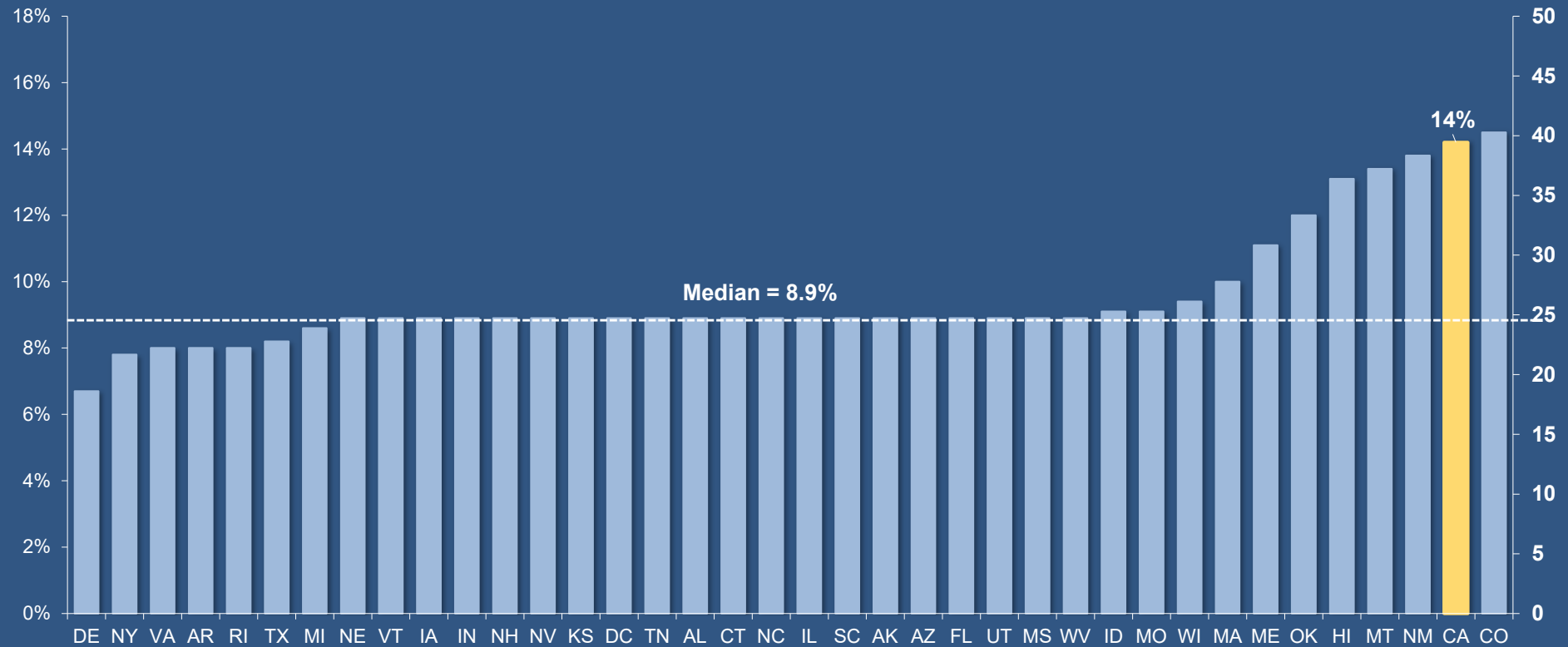




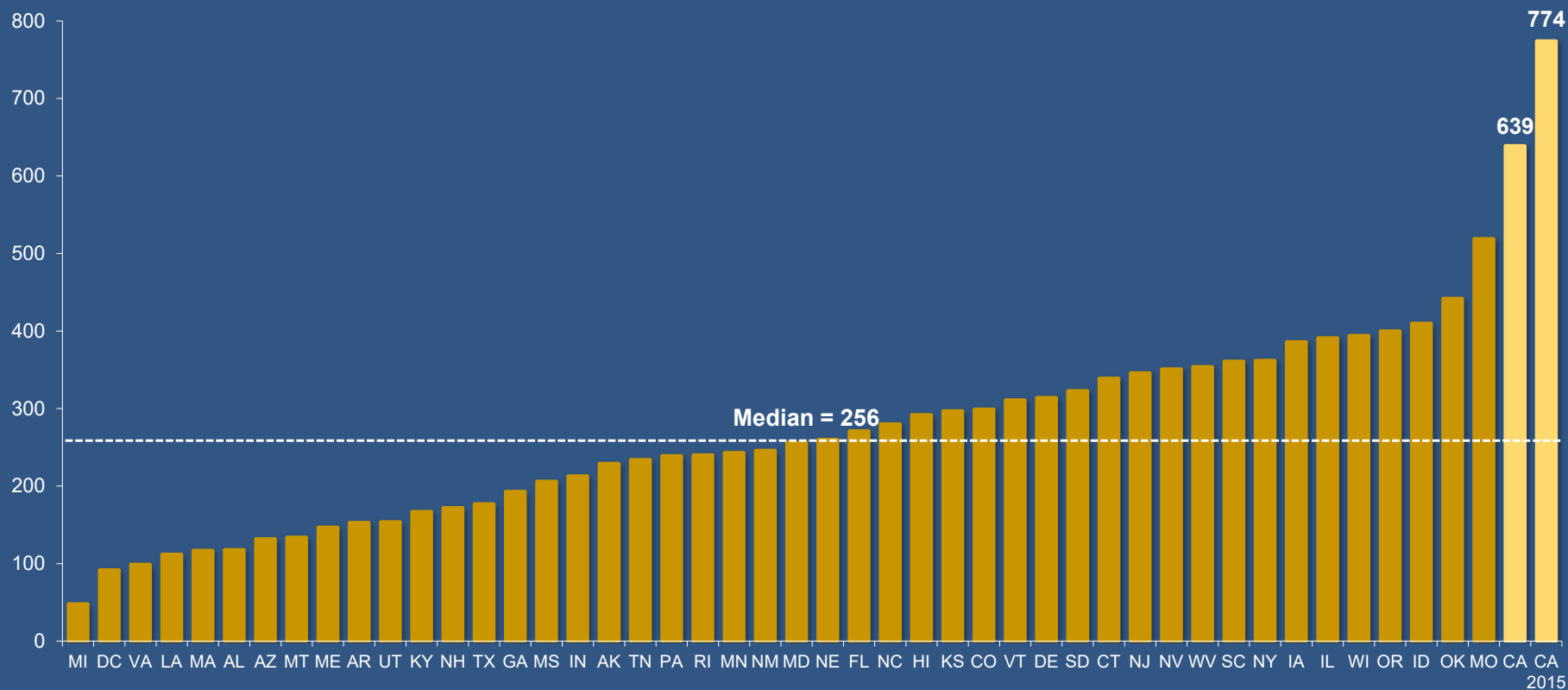
## Ratios of ALAE (DCC) to Losses by State



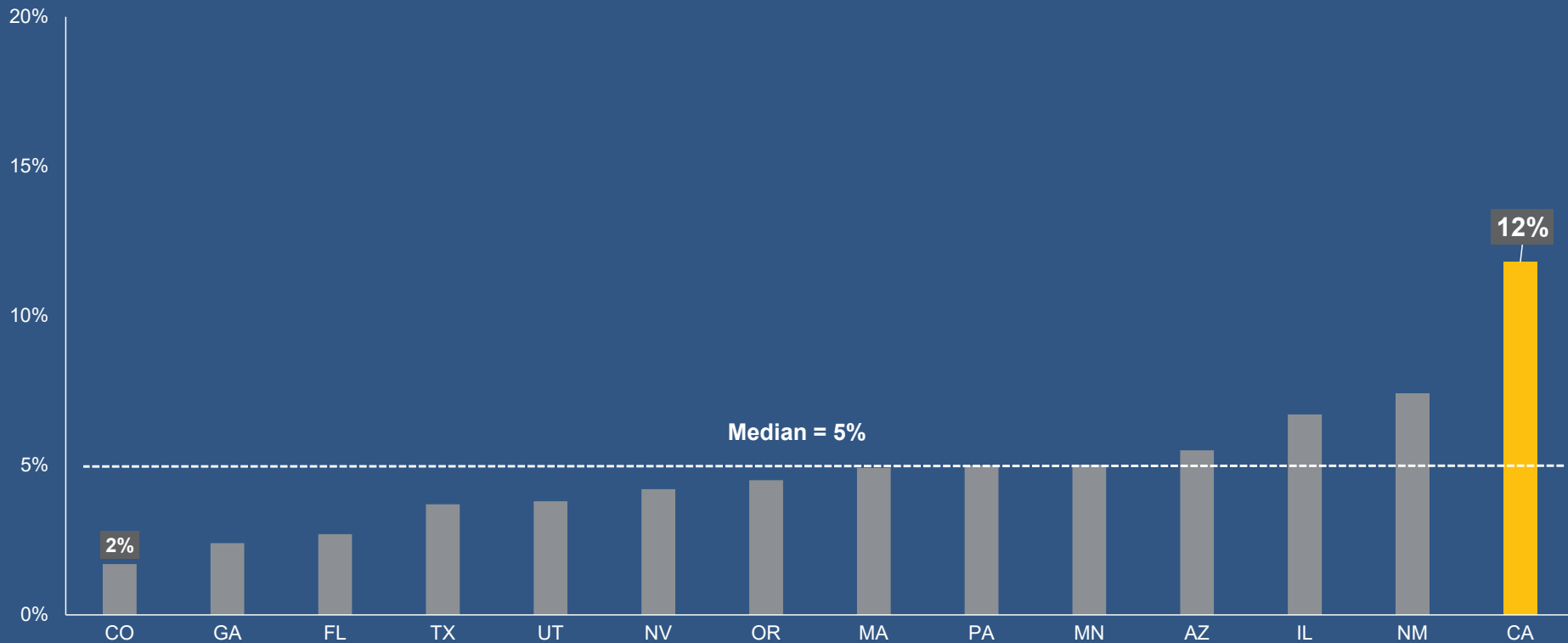
## Ratios of ULAE (AOE) to Losses by State



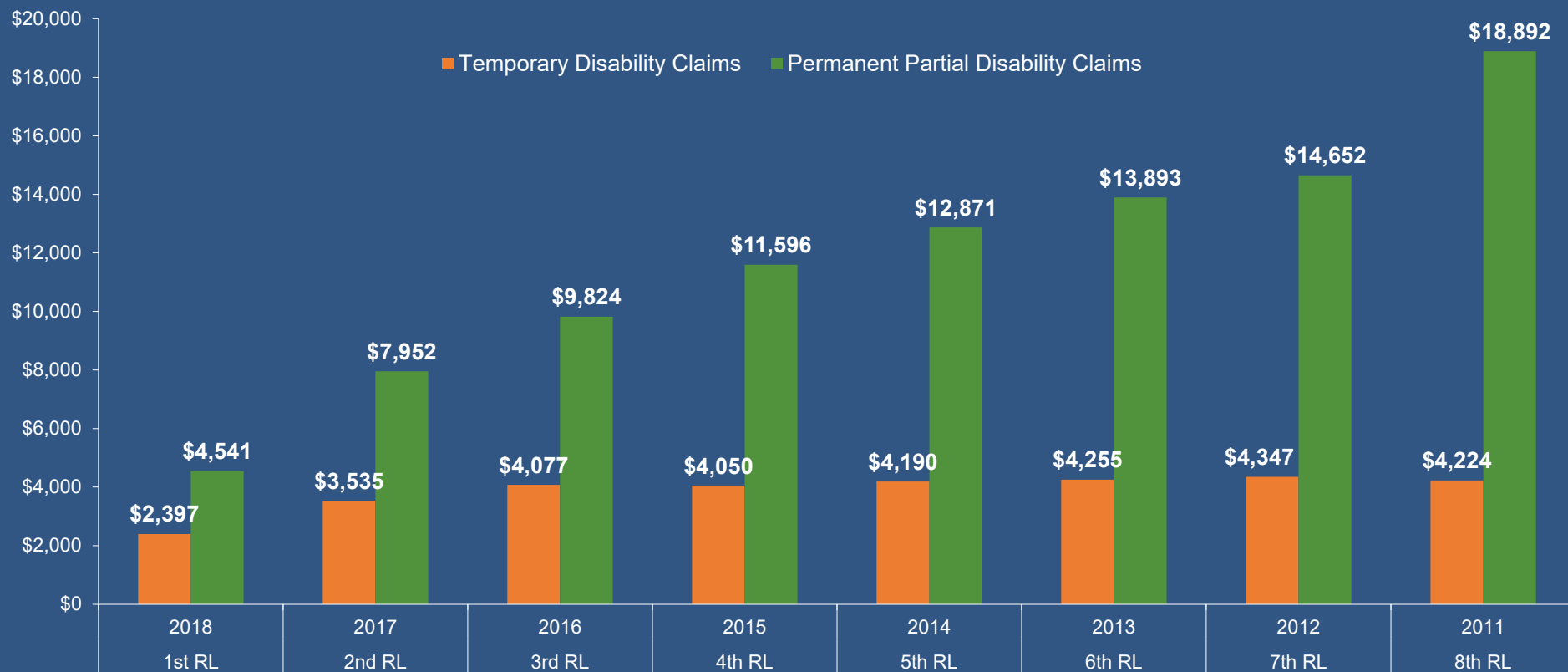
## Permanent Disability Claims per 100,000 Employees by State



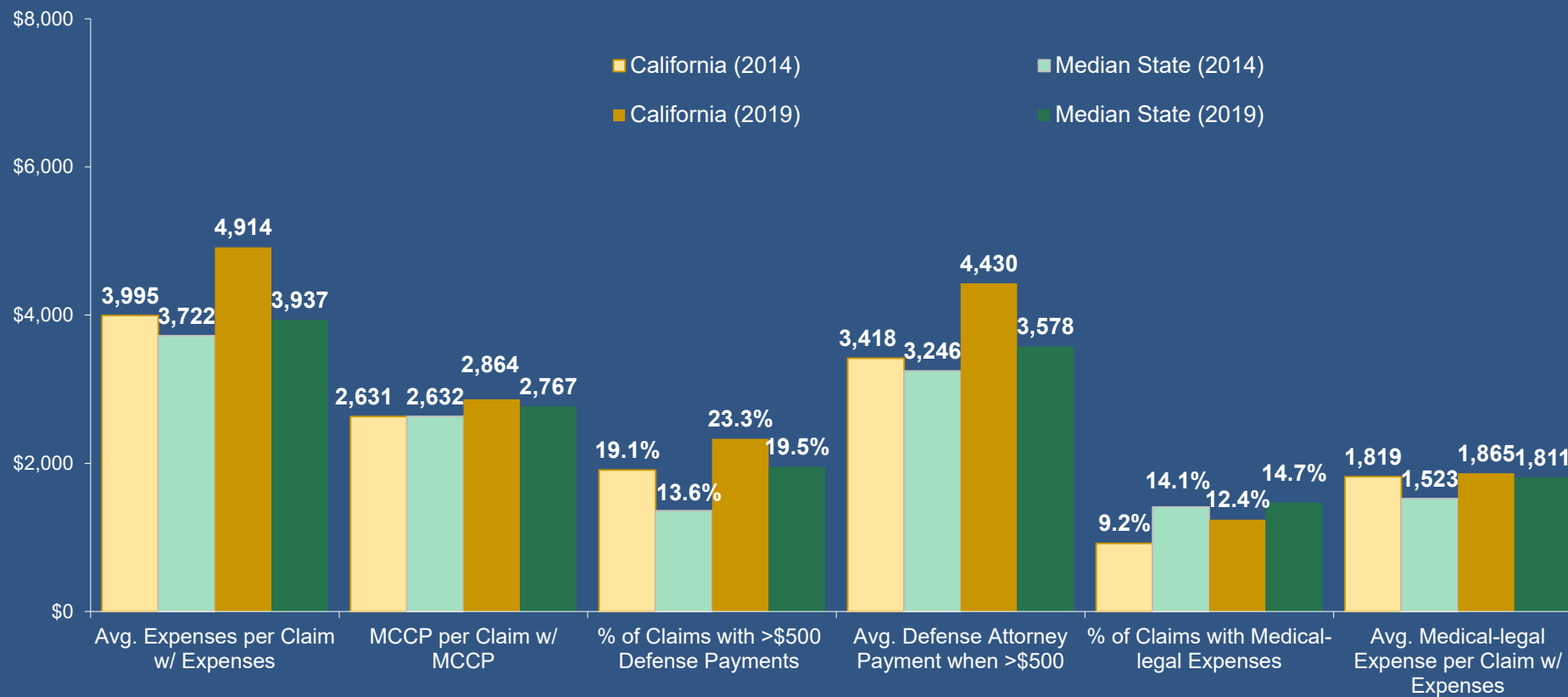
## Percent of Indemnity Claims Open at 60 Months



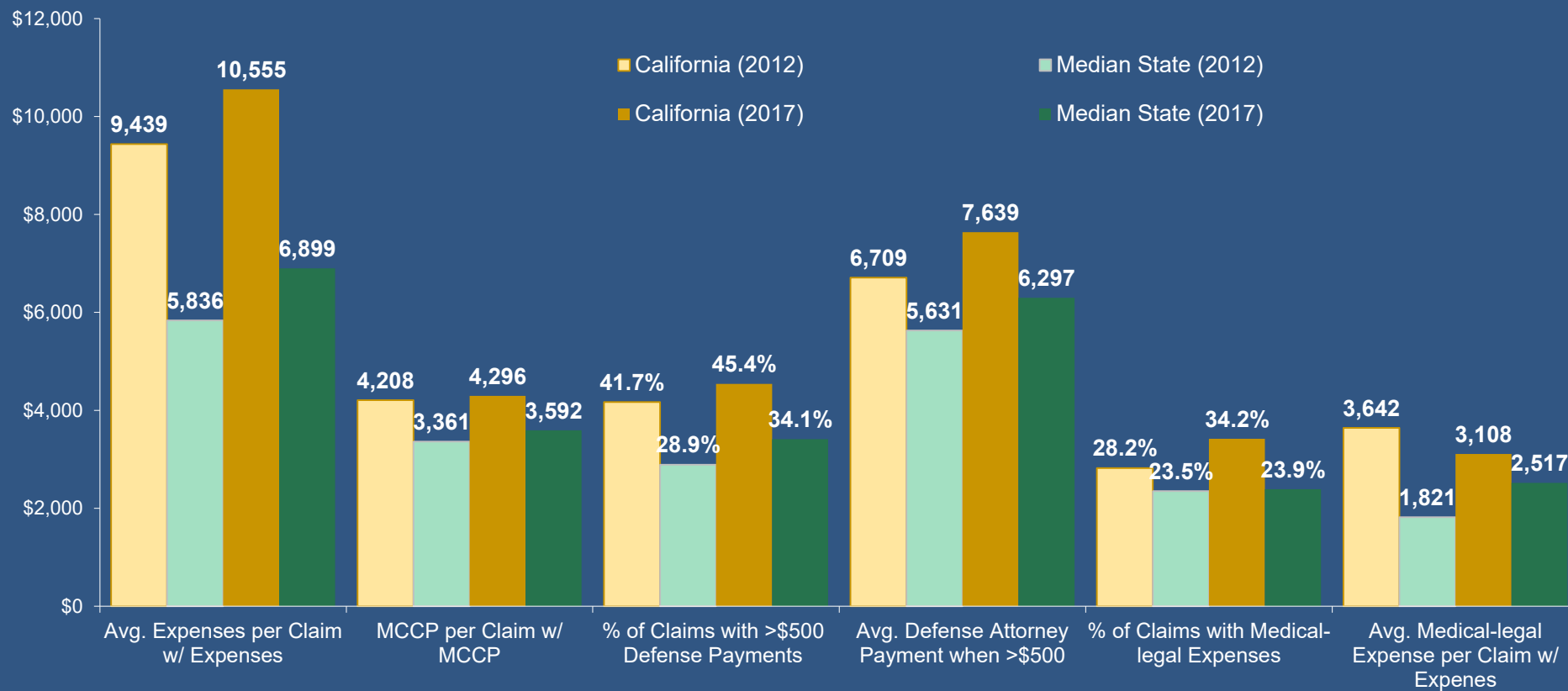
## Average Paid ALAE per Claim by Injury Type



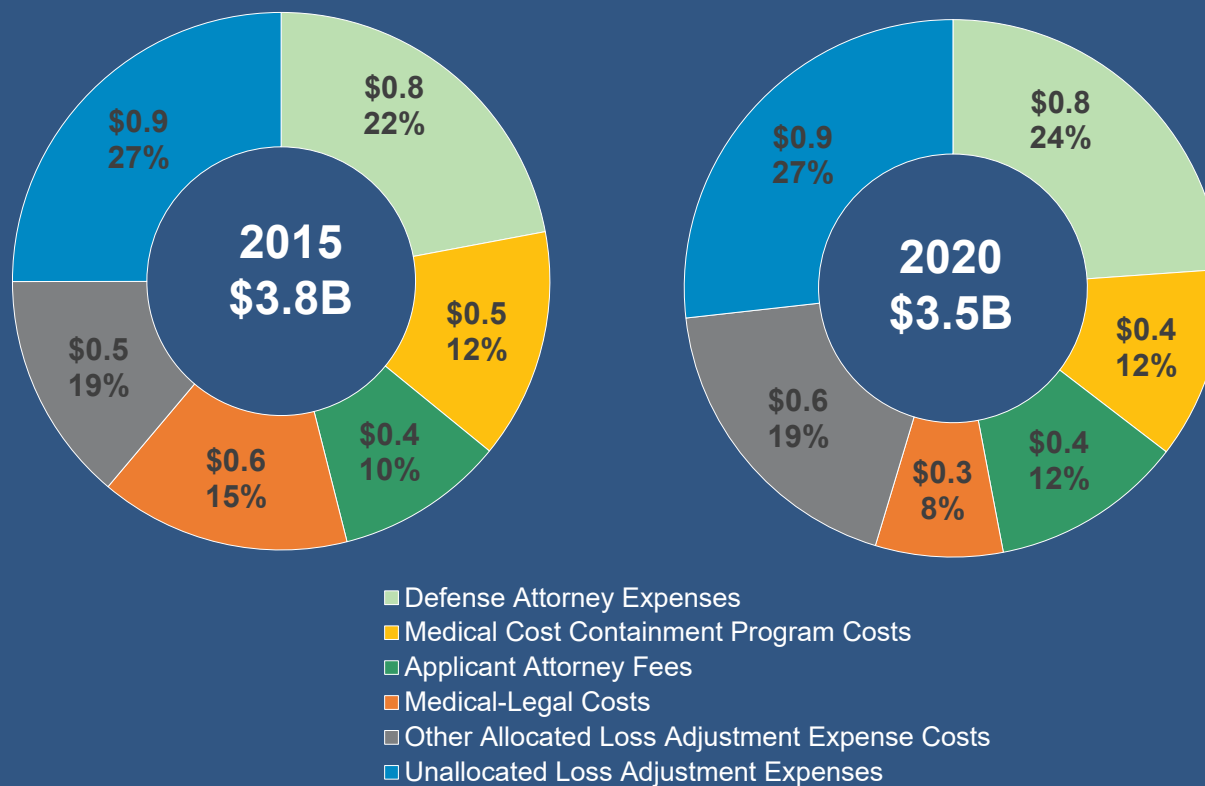
## Comparisons of California Benefit Delivery Costs (12 Months)



## Comparisons of California Benefit Delivery Costs (36 Months)

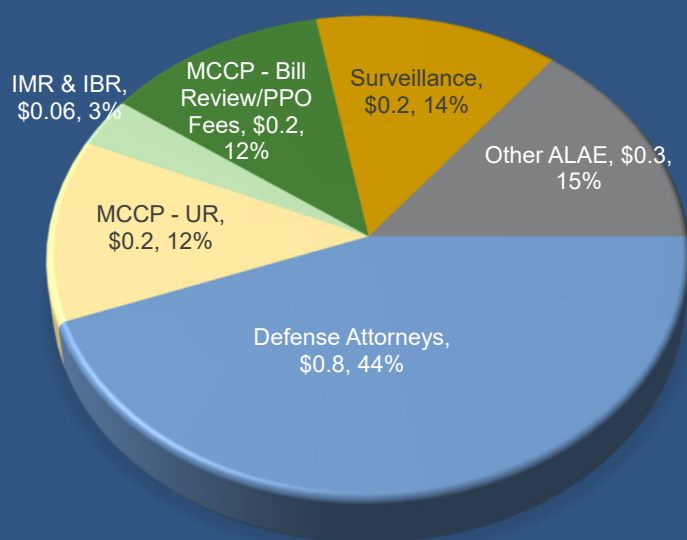


## Distribution of Paid Frictional Costs (in Billions)

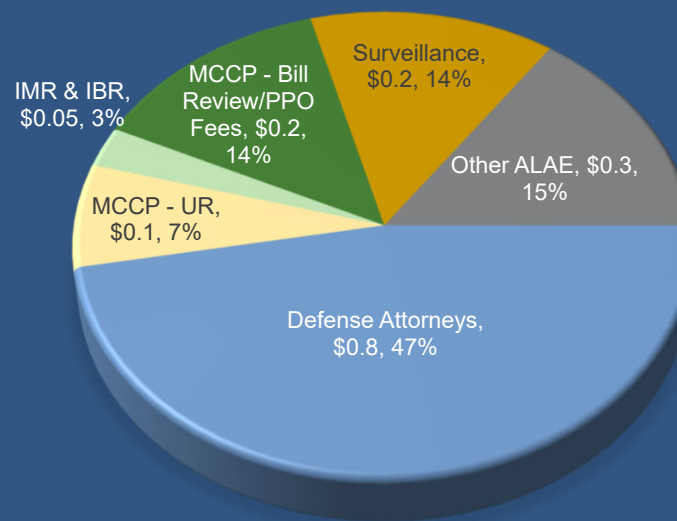




## Distribution of Calendar Year Paid ALAE Costs (in Billions)

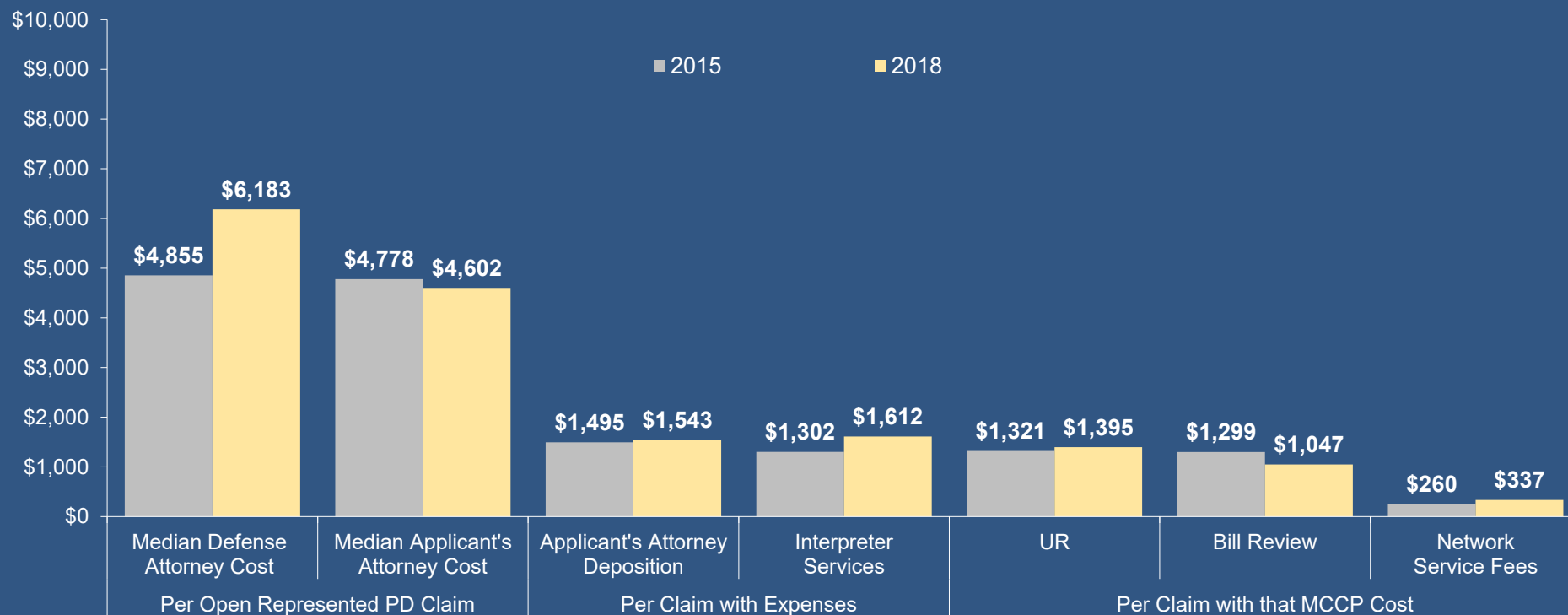


2015 (\$1.84B)

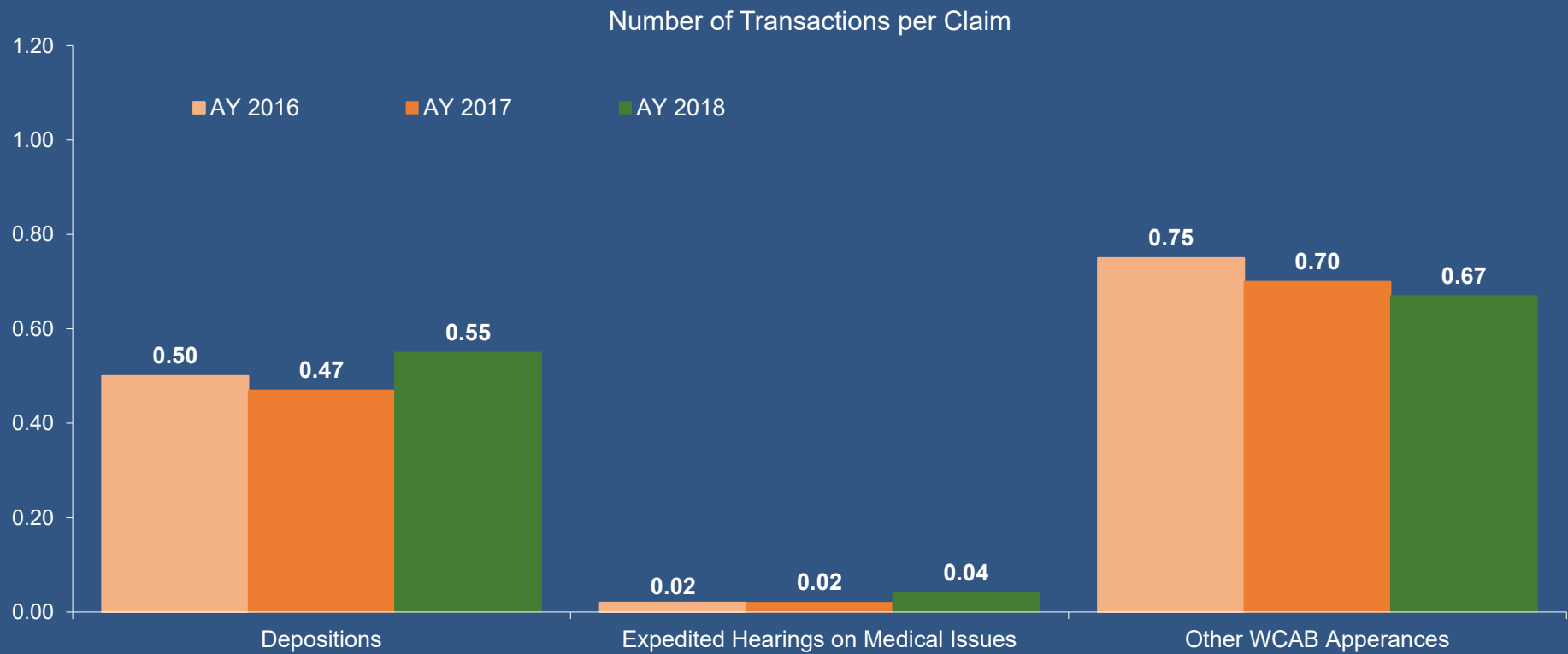


2020 (\$1.76B)

## PD Claims Survey – Average Costs per ALAE Transaction

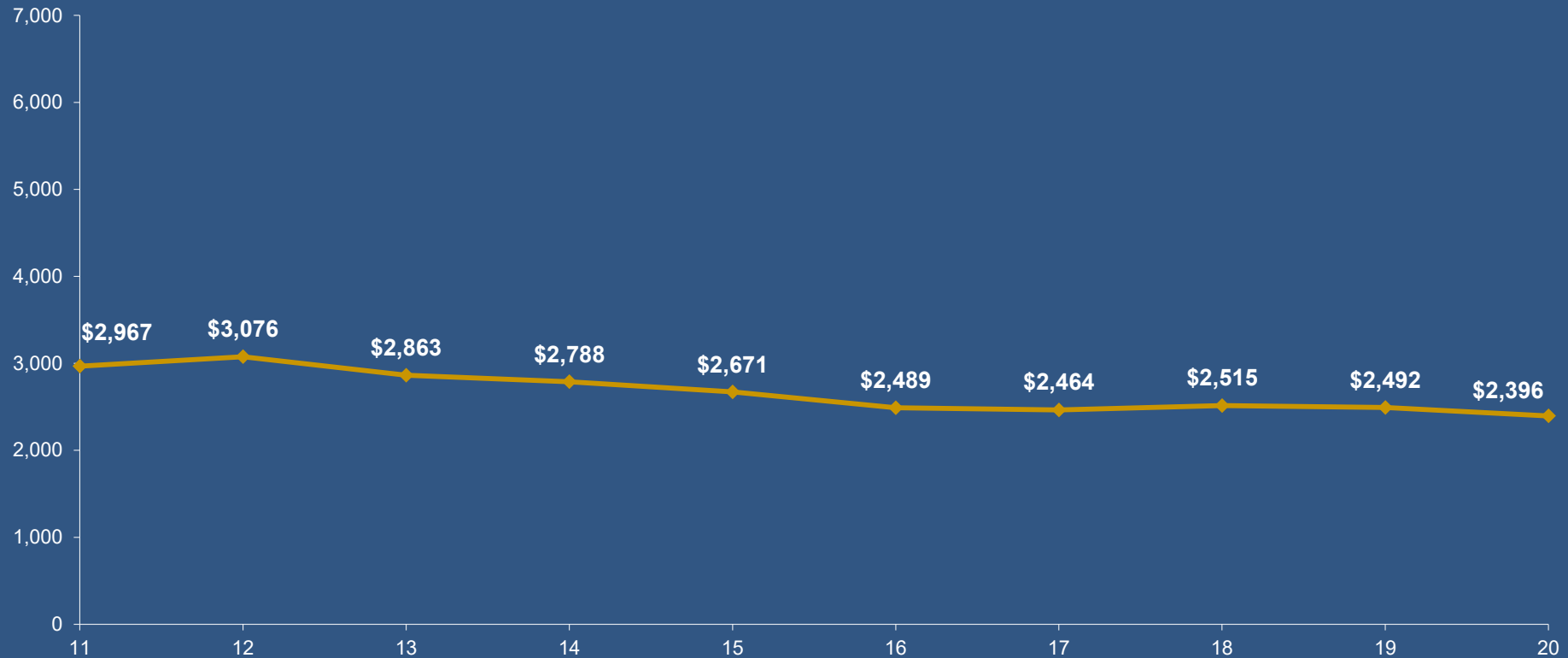


## PD Claims Survey – ALAE Component Frequency



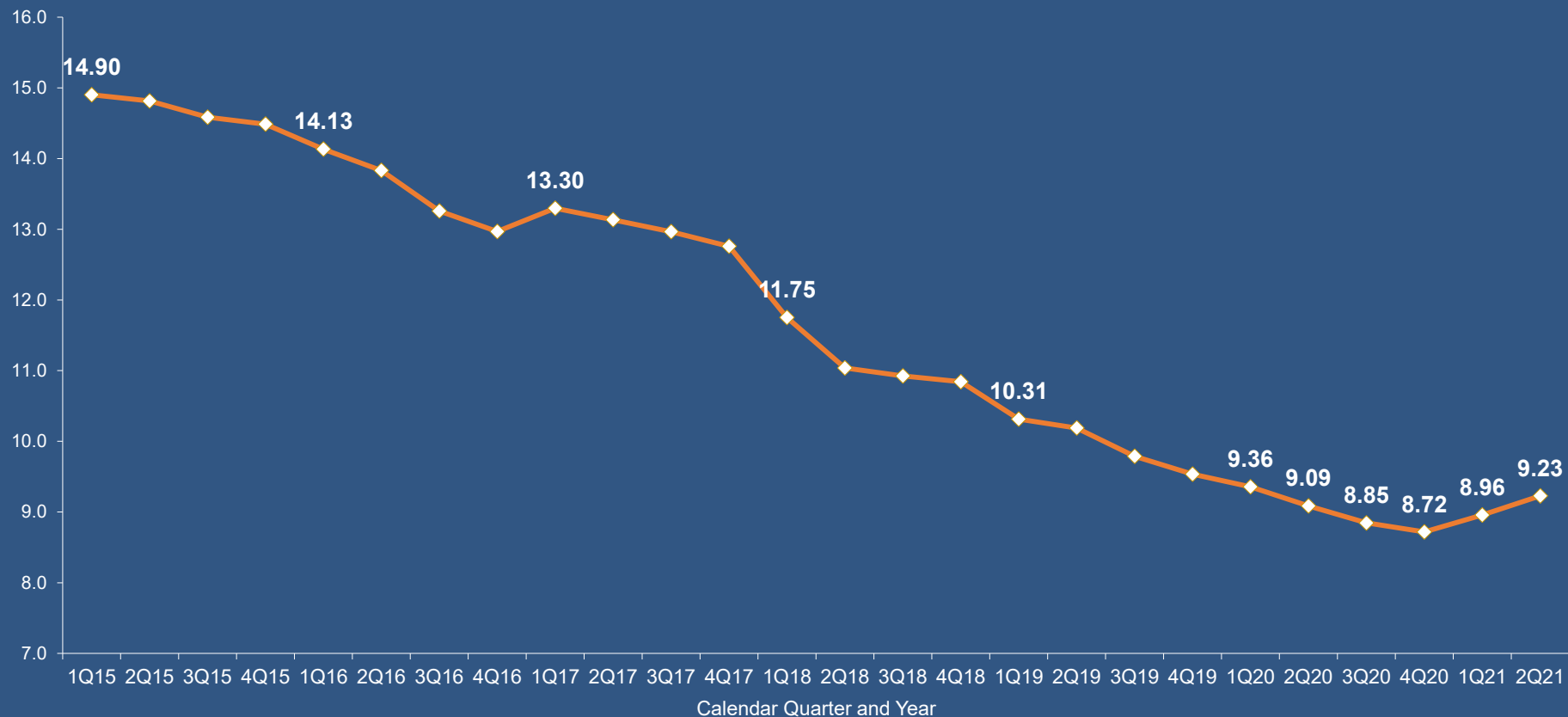
## Estimated Ultimate MCCP Per Indemnity Claim - Statewide

As of March 31, 2021

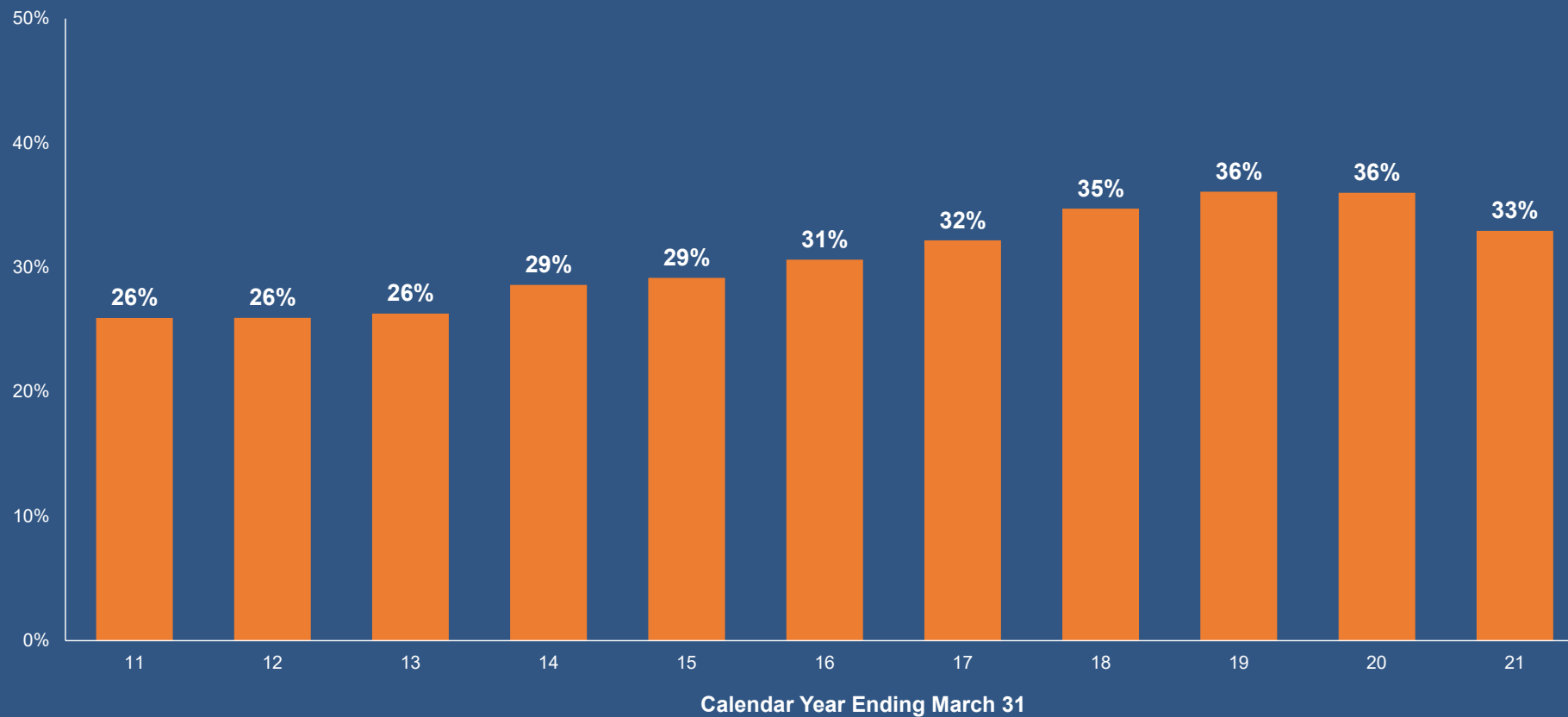


## Cumulative Paid ALAE Development from 12 to 90 Months

As of June 30, 2021



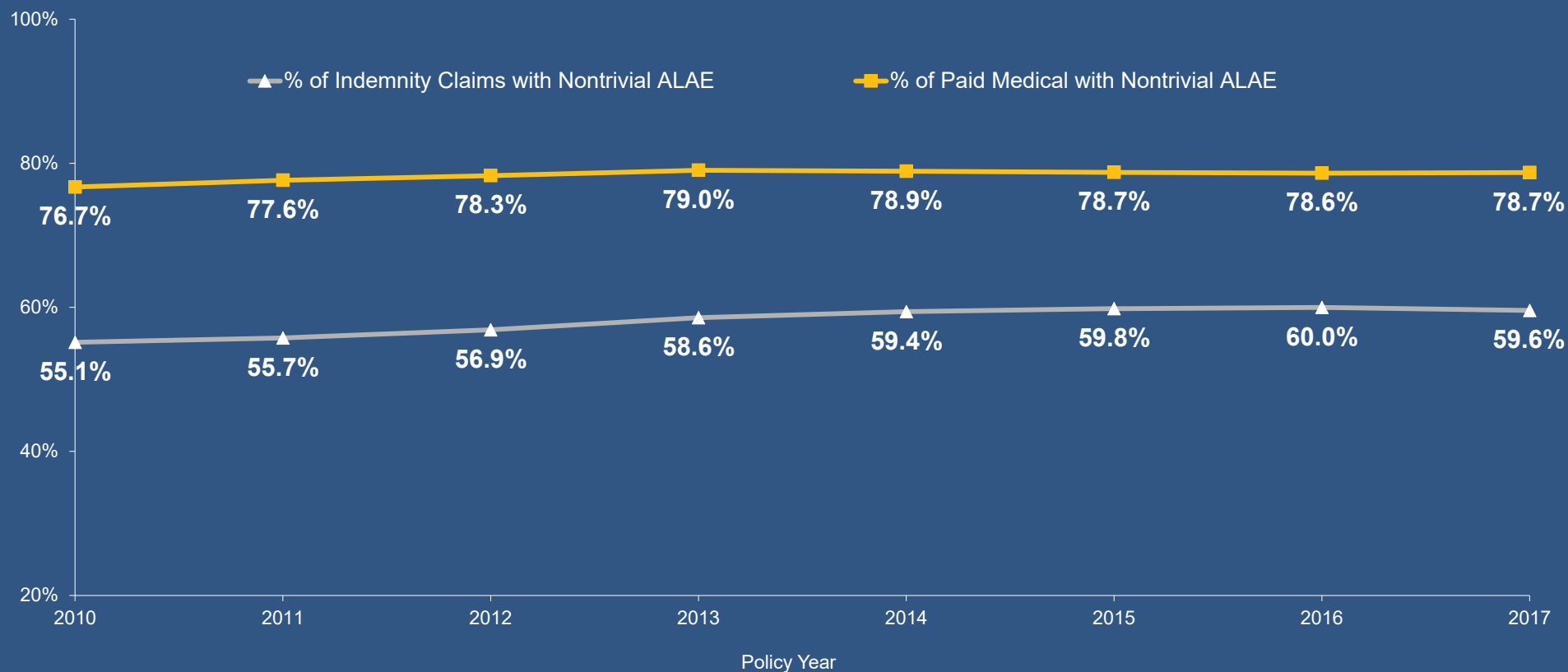
## Percentage of Open Indemnity Claims Closed in Next Year



## Comparison of Claims with “Nontrivial” ALAE Costs

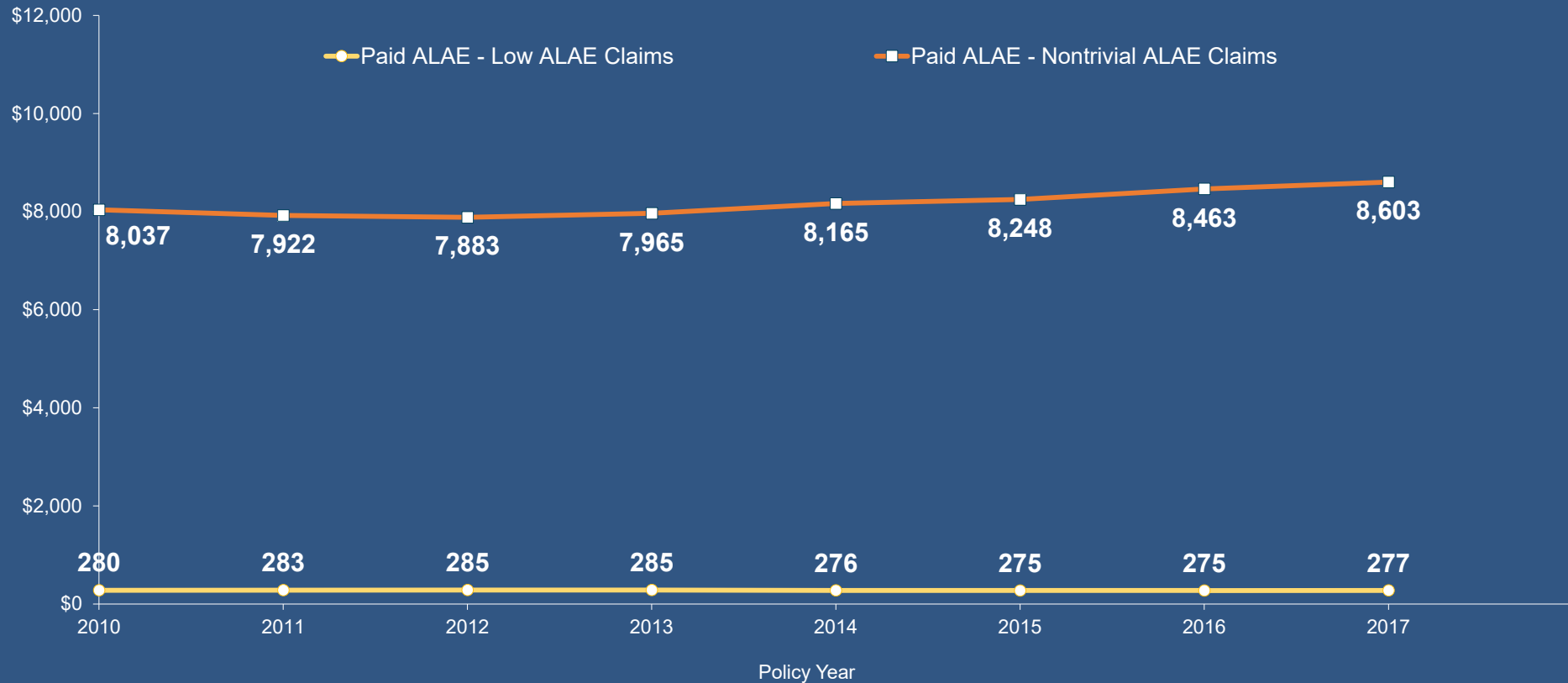
- Goal: Compare characteristics of claims with “nontrivial” ALAE (i.e., claims with friction) with other claims based on USR paid ALAE
  - “Nontrivial ALAE” = Paid ALAE > \$1,000
  - “Low ALAE” = Paid ALAE > \$0 and up to \$1,000
  - “No ALAE” = Paid ALAE = \$0
- No indexing applied since majority of ALAE under \$1,000 is MCCP and average MCCP costs have been flat to declining for last several years
  - ALAE excluding MCCP has also been flat, further suggesting no indexing is appropriate
- Other split points to categorize claims with more significant ALAE costs are being reviewed

## Distribution of Indemnity Claims with Nontrivial ALAE USR 2<sup>nd</sup> Report Level

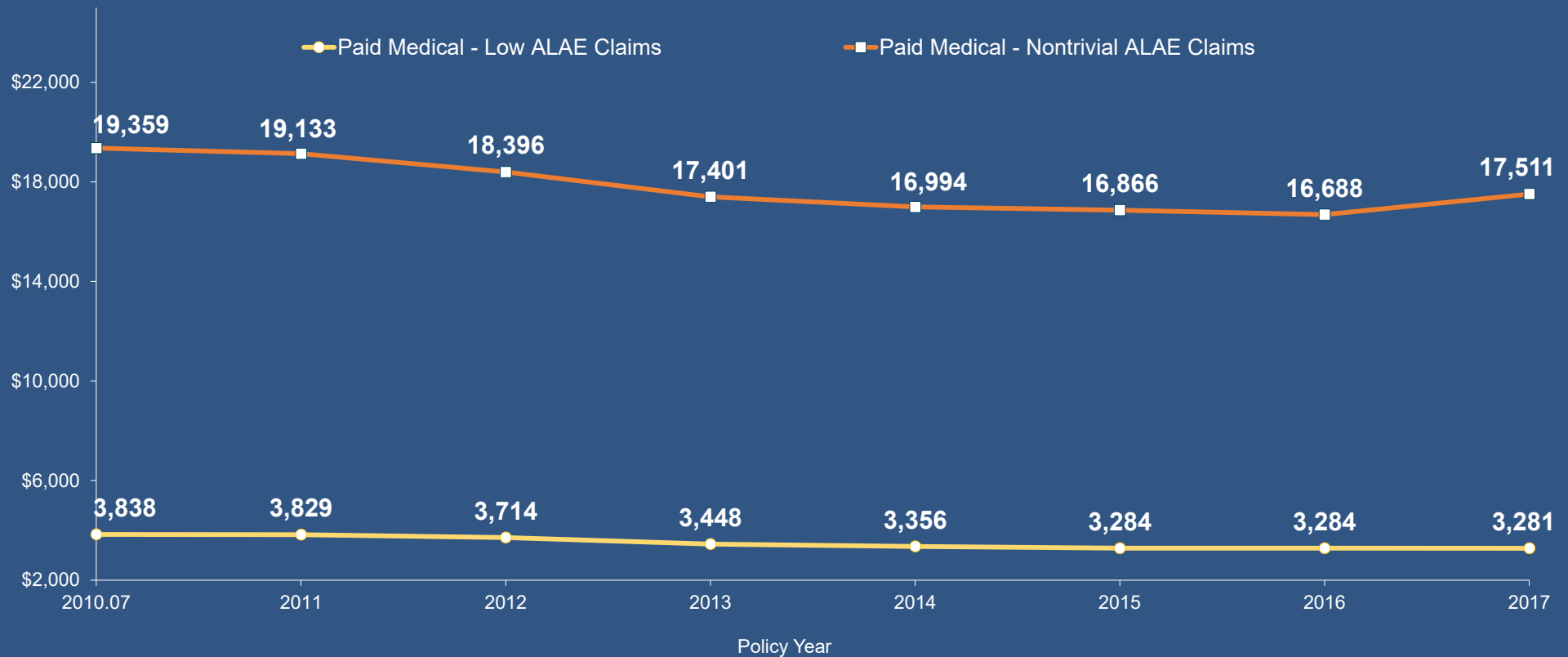




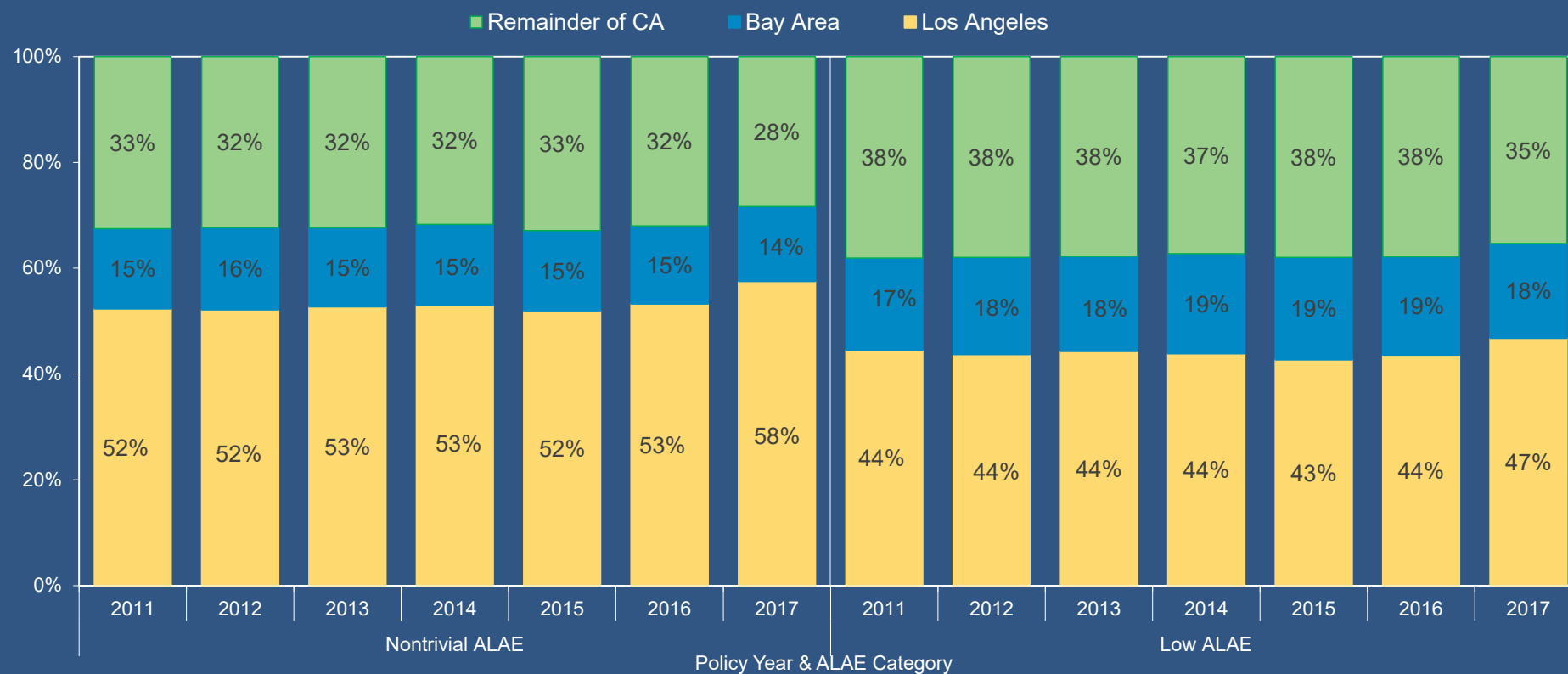
## Paid ALAE Severity by ALAE Category USR 2<sup>nd</sup> Report Level



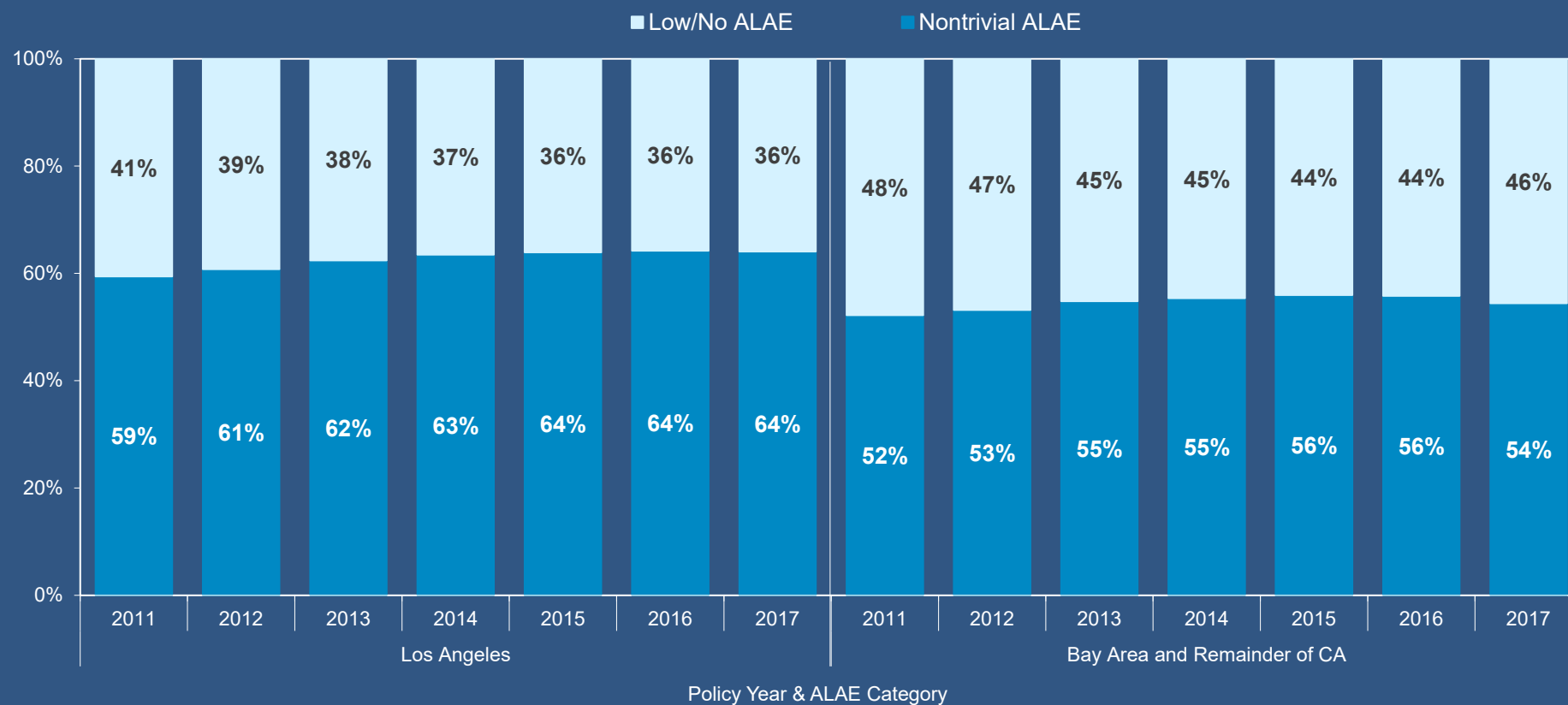
## Paid Medical Severity by ALAE Category USR 2<sup>nd</sup> Report Level



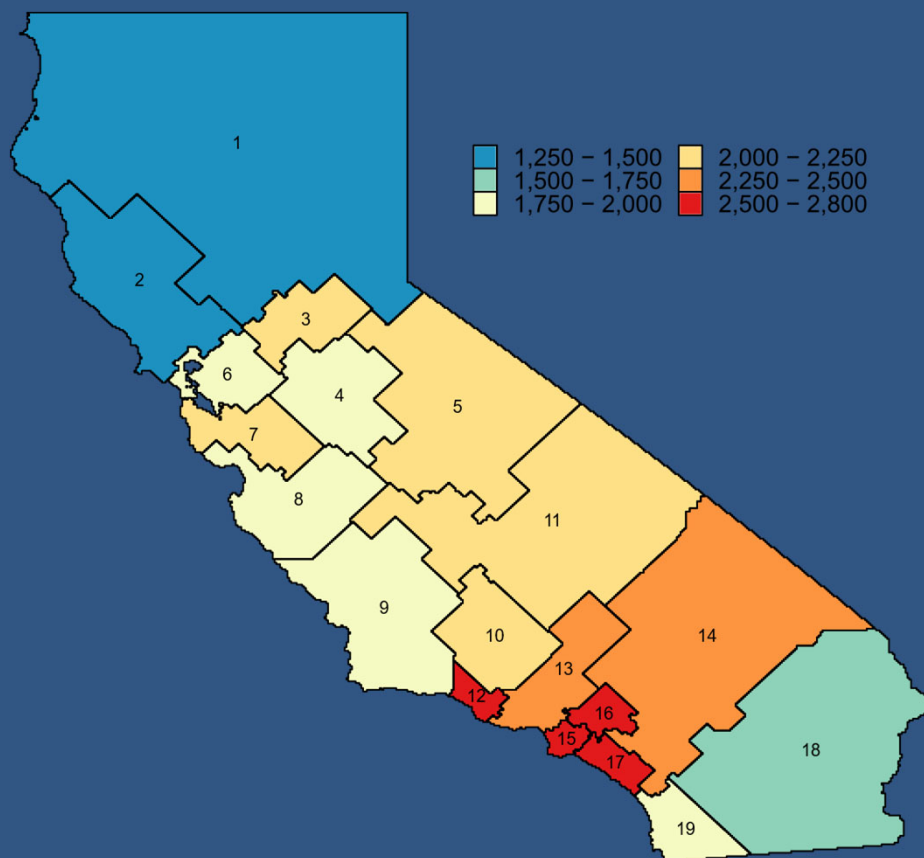
## Distribution of Indemnity Claims by Region within ALAE Category USR 2<sup>nd</sup> Report Level



## Distribution of Indemnity Claims by ALAE Category within Region USR 2<sup>nd</sup> Report Level

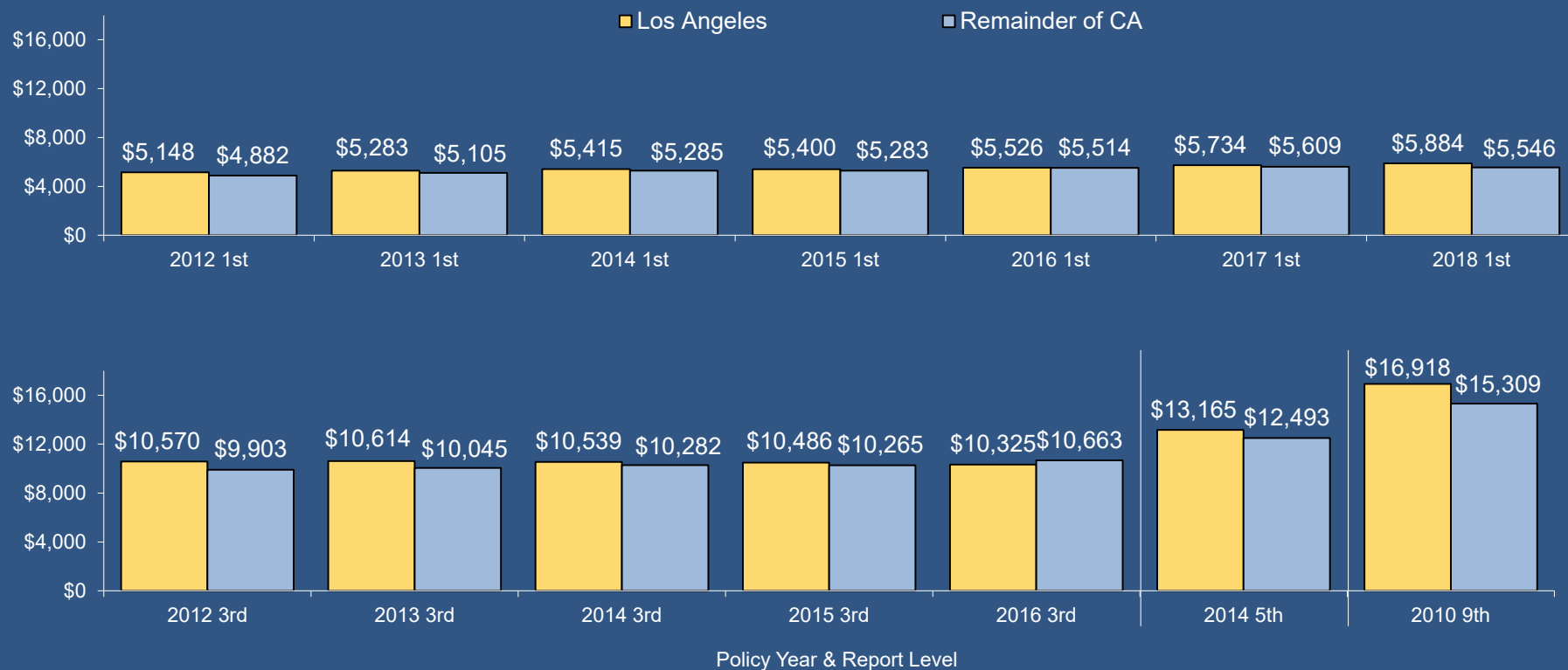


## Median Paid ALAE on PD Claims by Region

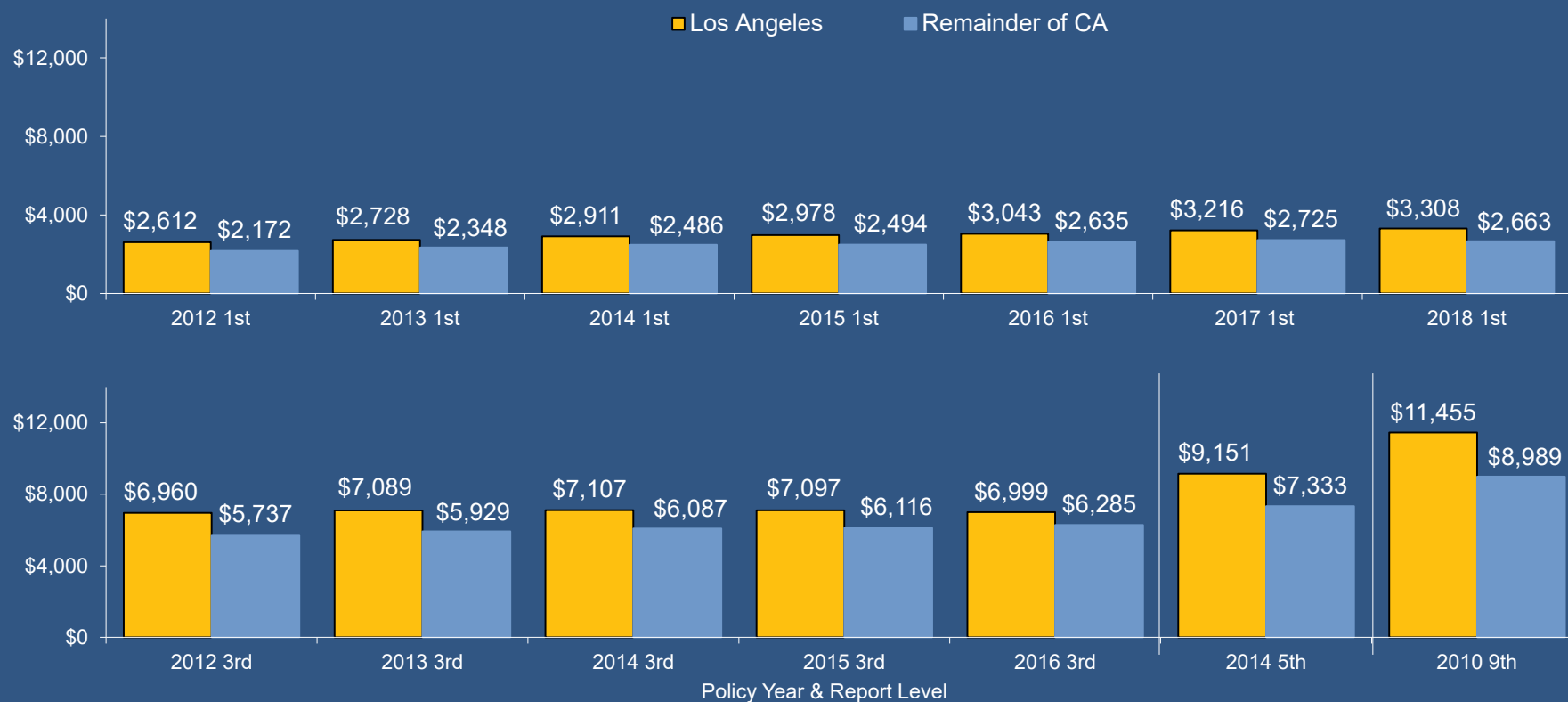


- 01 – Yuba City/Redding/Far North
- 02 – Sonoma/Napa
- 03 – Sacramento
- 04 – Stockton/Modesto/Merced
- 05 – Fresno/Madera
- 06 – Bay Area
- 07 – Peninsula/Silicon Valley
- 08 – Santa Cruz/Monterey/Salinas
- 09 – SLO/Santa Barbara
- 10 – Bakersfield
- 11 – Tulare/Inyo
- 12 – Ventura
- 13 – Santa Monica/San Fernando Valley
- 14 – San Bernardino/West Riverside
- 15 – LA/Long Beach
- 16 – San Gabriel Valley/Pasadena
- 17 – Orange County
- 18 – Imperial/Riverside
- 19 – San Diego

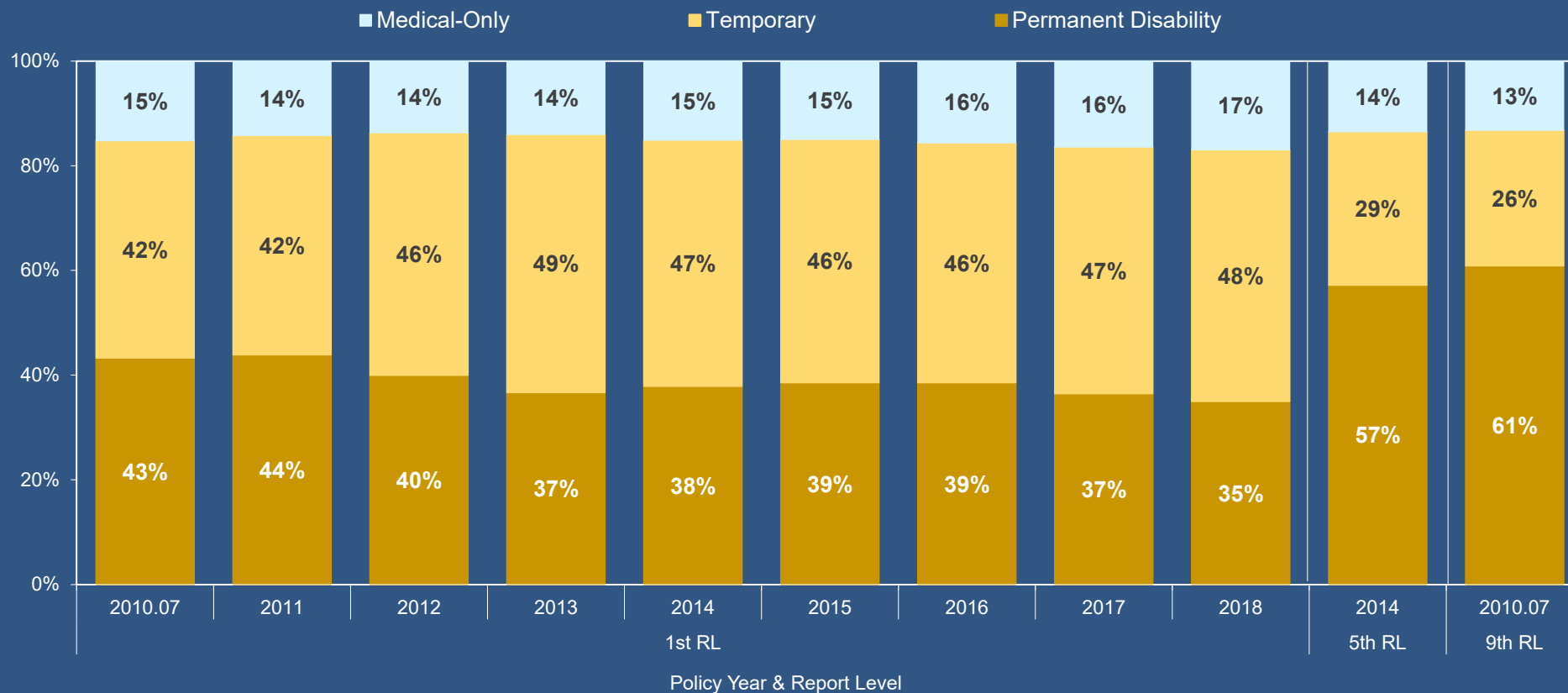
## Average ALAE Costs by Region – Nontrivial ALAE Claims



## Average ALAE Costs by Region – All Indemnity Claims

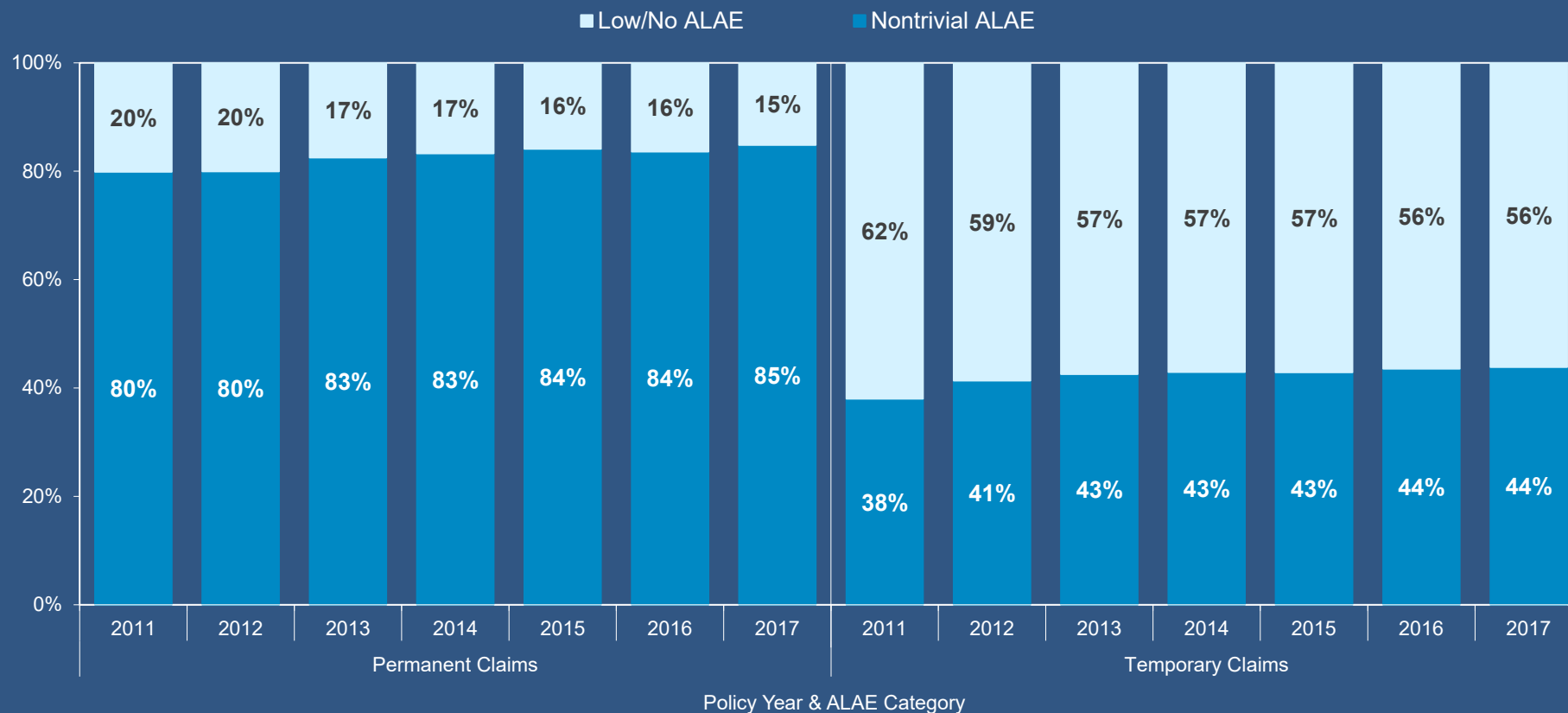


## Distribution of Nontrivial ALAE Claims by Injury Type

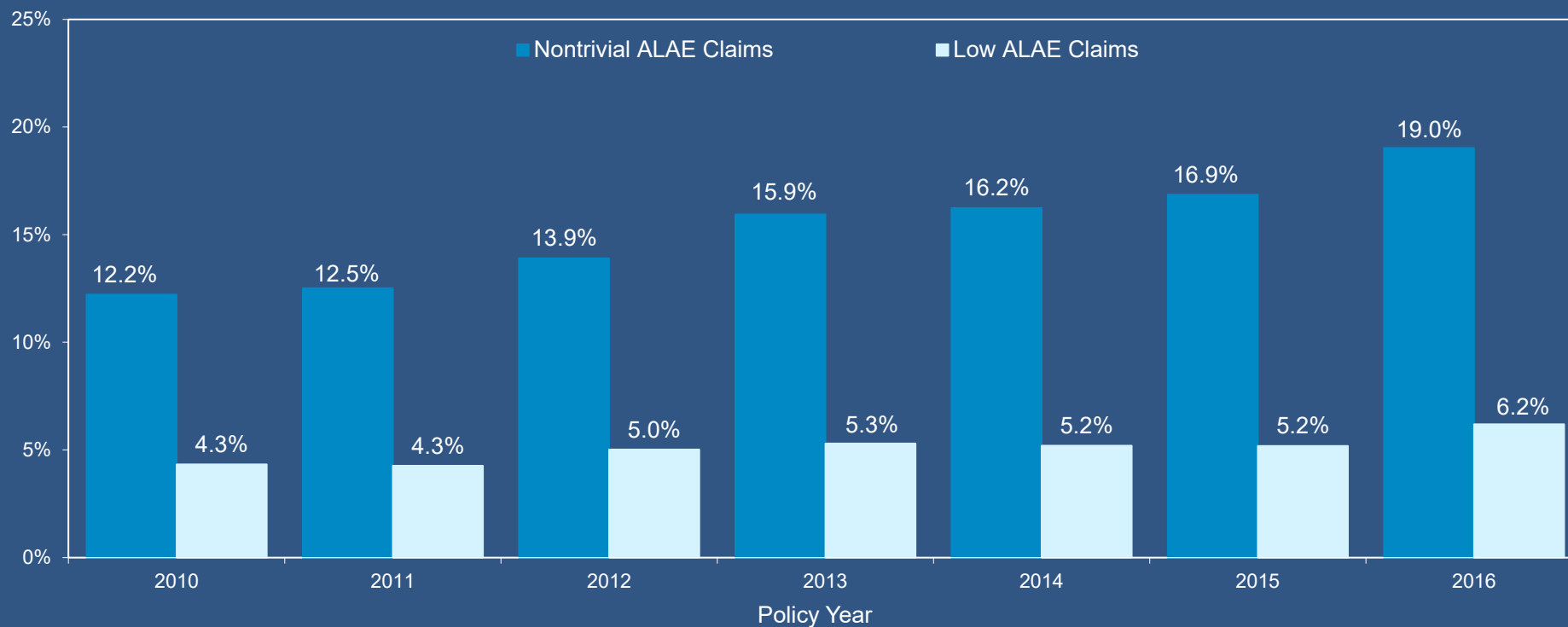




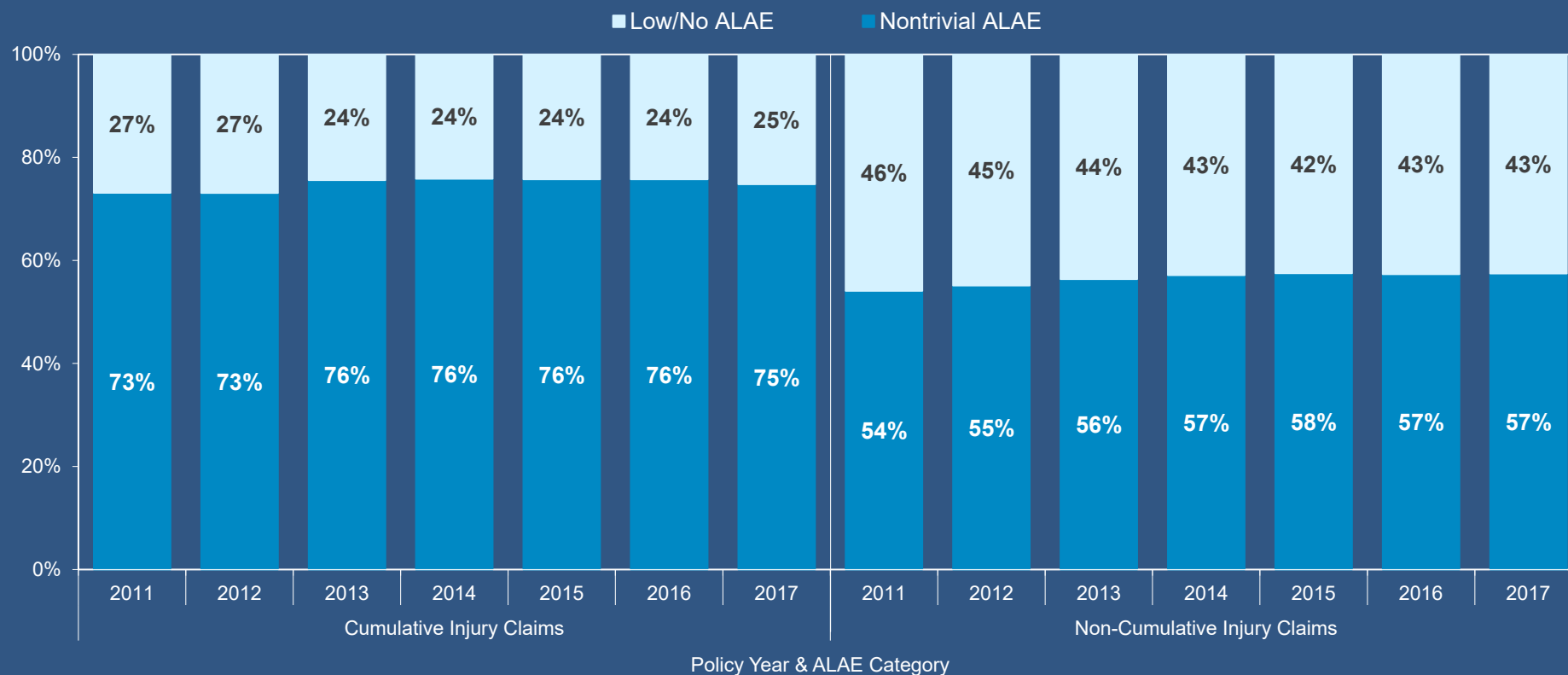
## Distribution of Indemnity Claims by ALAE Category within Injury Type USR 2<sup>nd</sup> Report Level



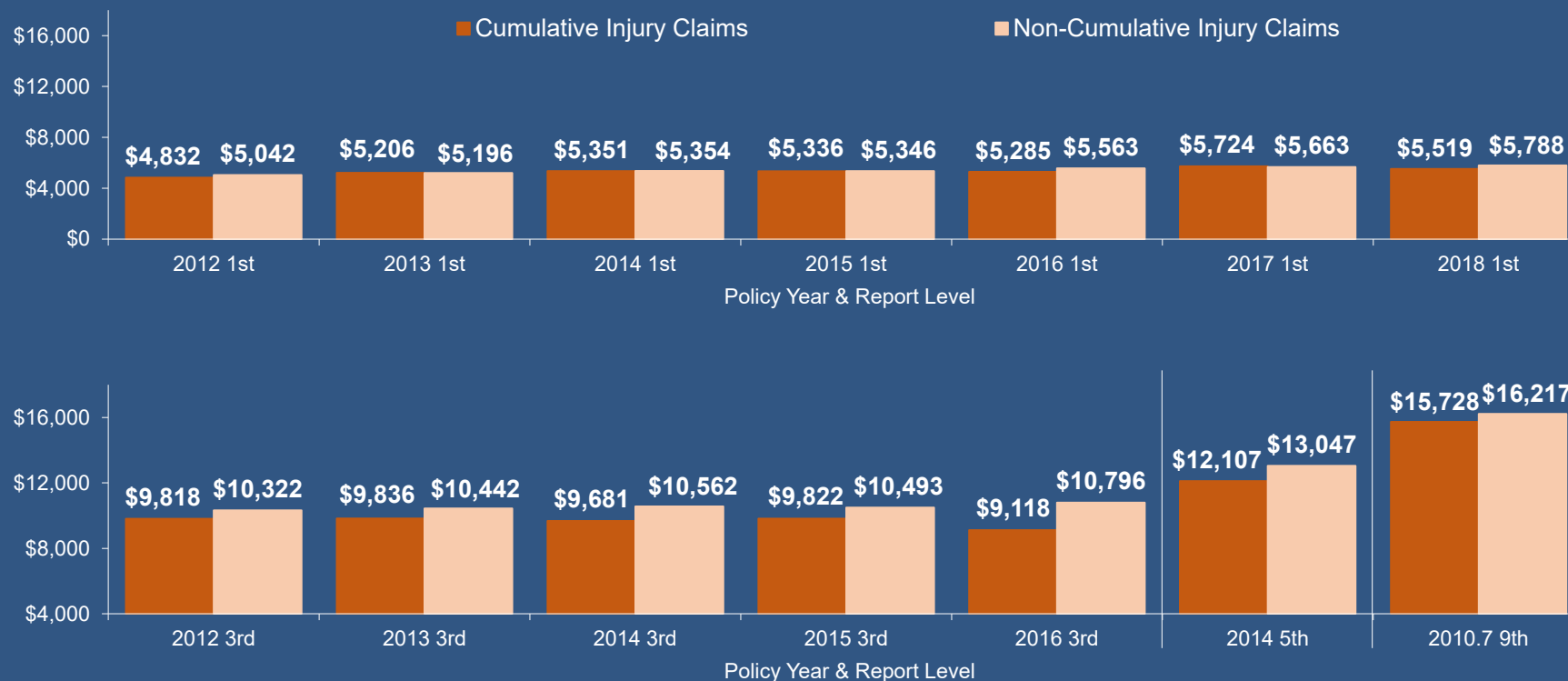
## Percentage of Claims Involving Cumulative Injury within ALAE Category USR 3<sup>rd</sup> Report Level



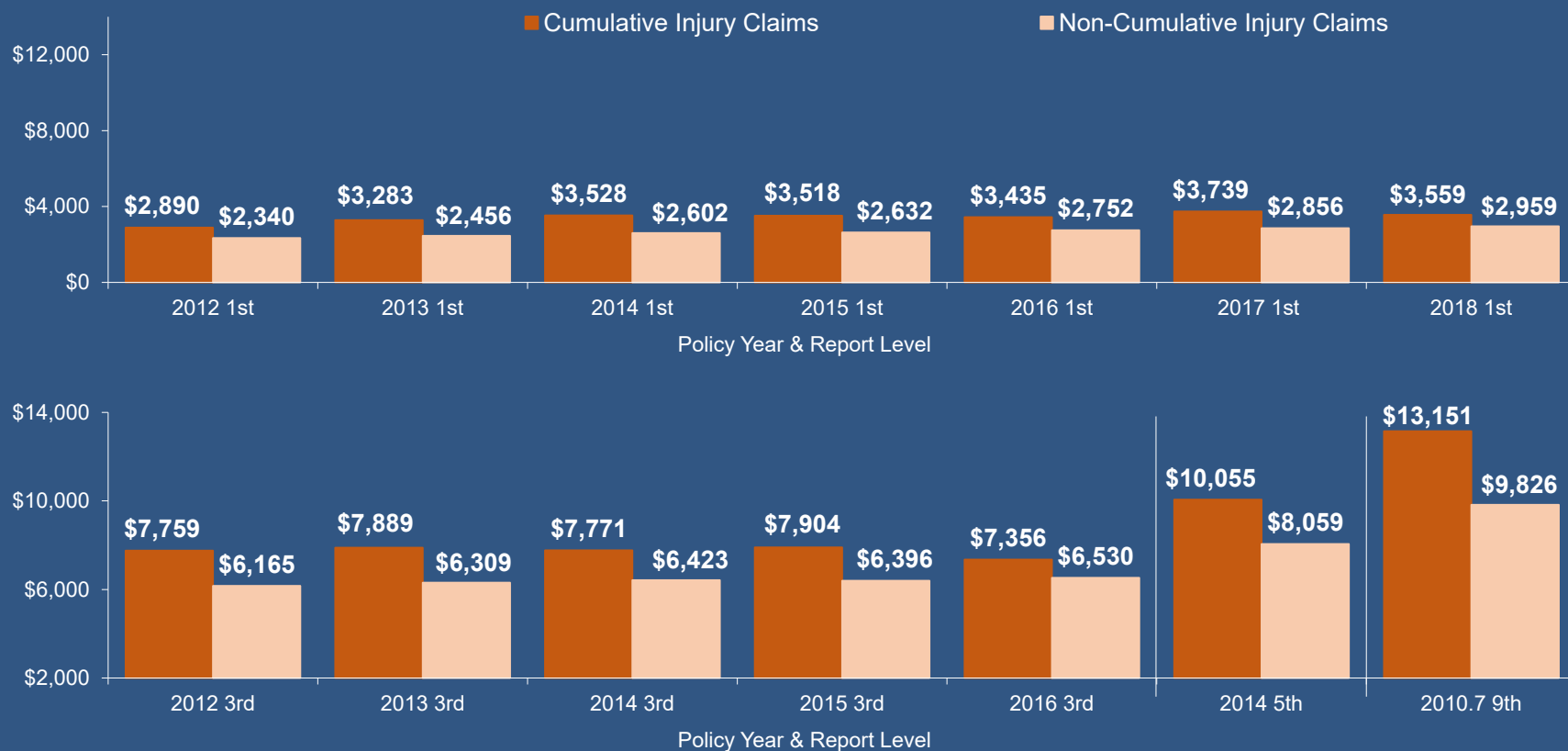
## Distribution of Indemnity Claims by ALAE Category within Claim Type USR 2<sup>nd</sup> Report Level



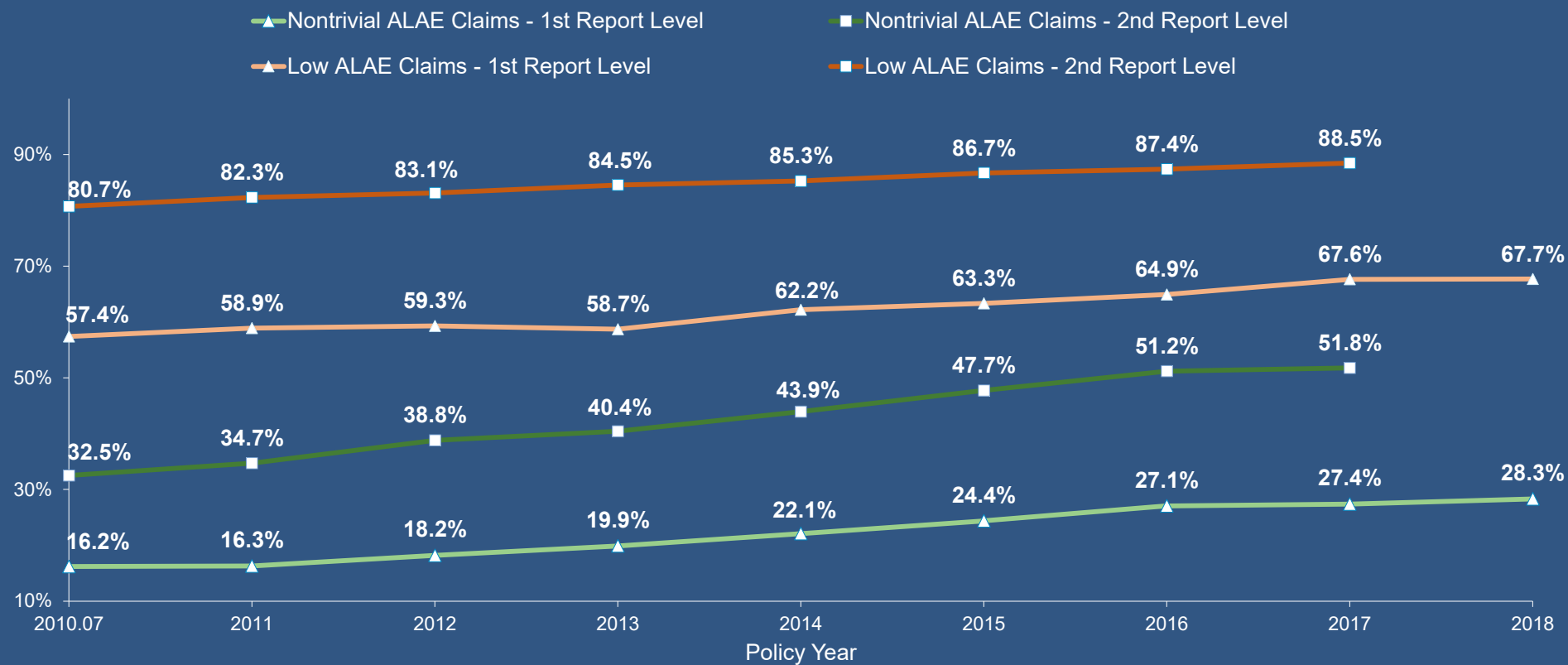
## Average ALAE Costs by Claim Type – Nontrivial ALAE Claims



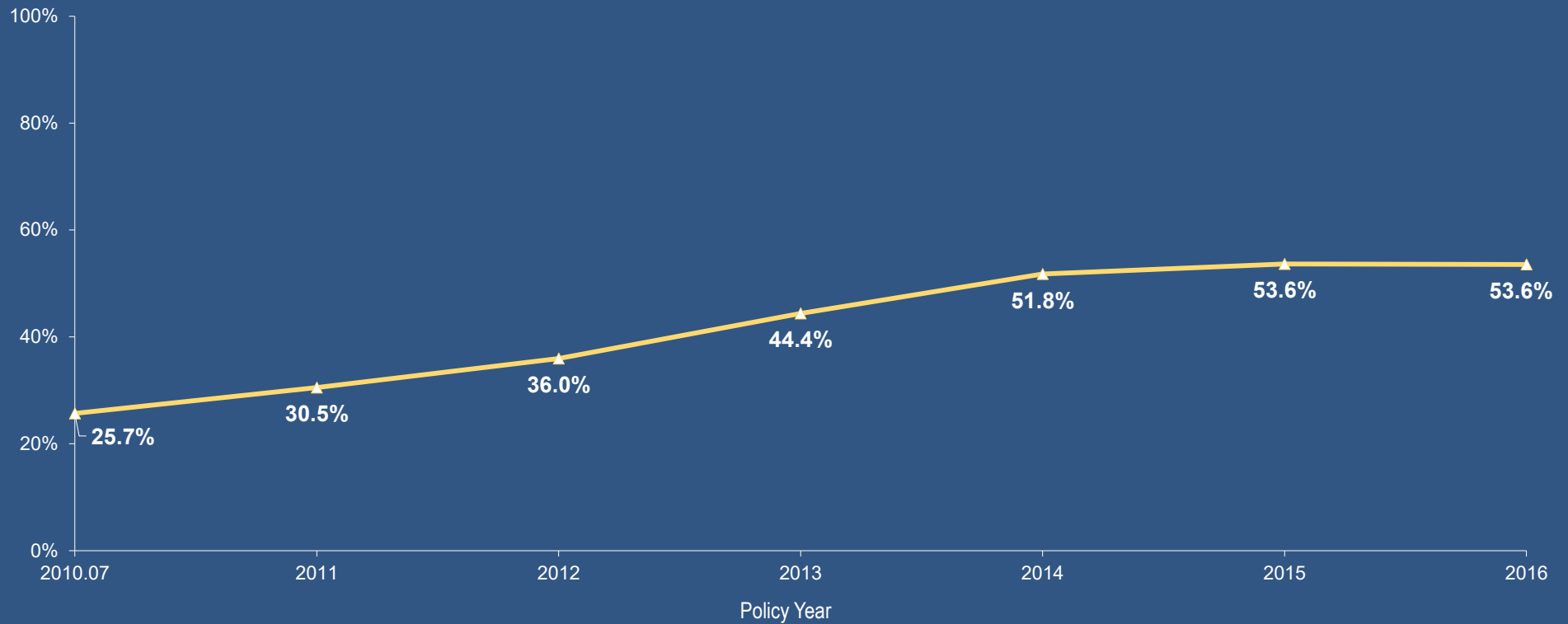
## Average ALAE Costs by Claim Type – All Indemnity Claims



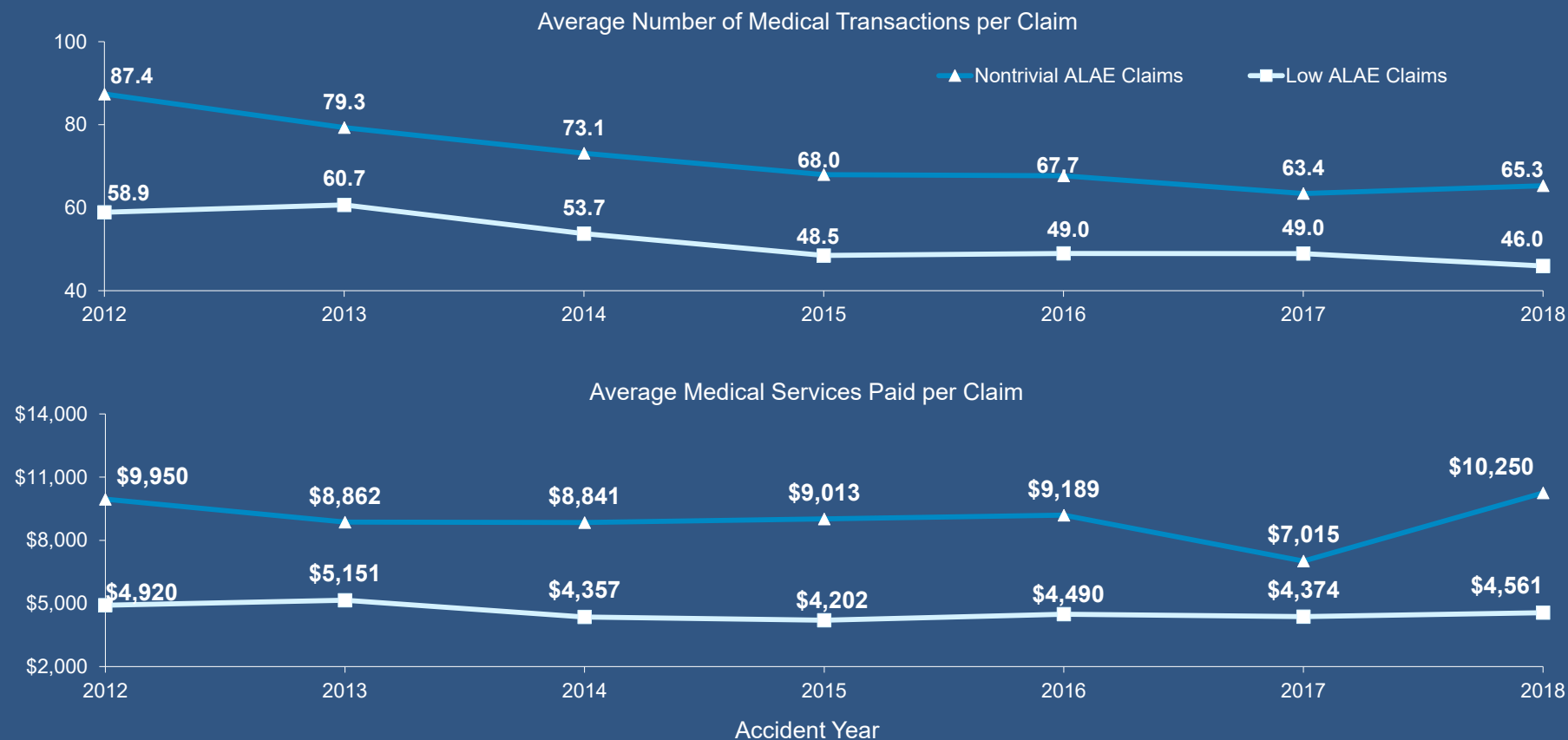
## Indemnity Claim Closing Rates



## Percentage of Closed PD Claims with Nontrivial ALAE Settled by C&R USR 3<sup>rd</sup> Report Level

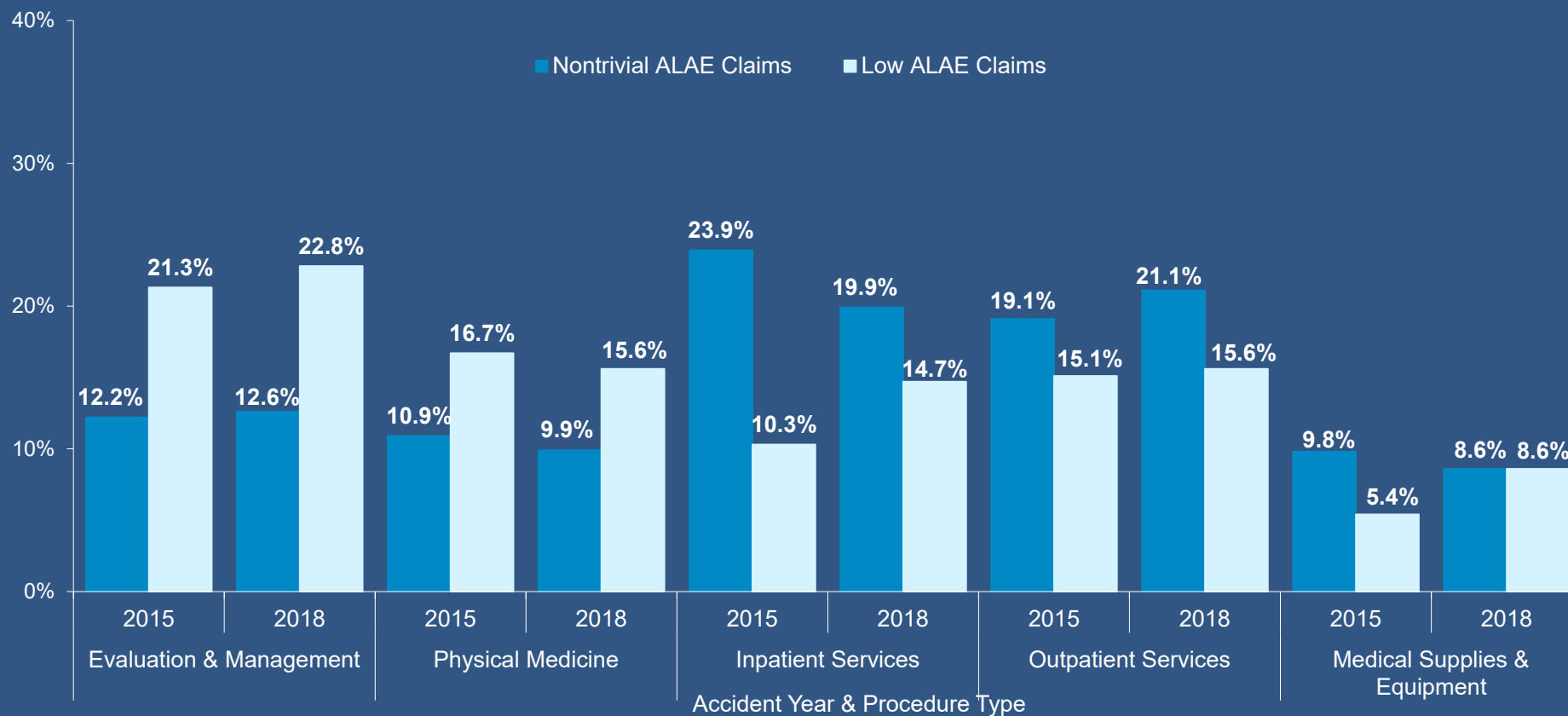


## Medical Transactions by ALAE Category for PD Claims





## Distribution of Paid Medical by Procedure Type for PD Claims



## Summary of Friction in the CA System

- California frictional costs declining, but still the highest of any WC system and much higher than other benefit systems
- CA differences from other states much greater at later maturities
- CA high friction driven by high volume of PD claims, CT claims, and longer claim duration
- CA high friction continues to be focused in LA Basin
- High ALAE costs driven by frequency of “nontrivial” ALAE claims in LA and involving CT
  - Average ALAE on “nontrivial” claims fairly flat within categories
- Post-SB 863 increases in claim settlements likely driving lower ALAE development and flat severity trend
  - Signs of ALAE turning upward in first and second quarters of 2021
- Final report on CA frictional costs to be released in November