

Actuarial Committee

Meeting Agenda

Date	Time	Location	Staff Contact
September 12, 2023	9:30 AM	Microsoft Teams Webinar	Sean Cooper
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Released: September 5, 2023

To Members of the Actuarial Committee, WCIRB Members and All Interested Parties:

This meeting is Open to the Public.

Please use this [link](#) to register for the meeting webinar. After registering, you will receive a confirmation email containing information about the meeting.

I. Approval of Minutes

Meeting held on June 22, 2023

II. Working Group Meeting Summaries

A. Actuarial Research Working Group Meeting held August 9, 2023

III. Unfinished Business

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

IV. New Business

A. AC23-09-01: Third Quarter 2023 Review of Diagnostics

B. AC23-09-02: 6/30/2023 Experience Review

C. AC23-09-03: Impact of Payroll Limitations in the Frequency Model

D. AC23-09-04: WCIRB Member Analytics Tools

V. Matters Arising at Time of Meeting

VI. Next Meeting Date: December 5, 2023

VII. Adjournment

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Actuarial Research Working Group

Meeting Summary

To: Participants of the Actuarial Research Working Group
Date: August 25, 2023

RE: Summary of August 9, 2023 Meeting

Discussion Topics

At the meeting, the following topics were discussed.

A. Retrospective Rating Update

The Working Group was reminded that, as part of a multi-year update of the Retrospective Rating Plan, the WCIRB is investigating several aspects of the claim simulation model that underlies the plan values. The Group was shown an updated schedule for the study. Staff then presented a summary of 2022 studies on the incurred loss development methodology in the simulation model.

The Group was reminded that in 2019, the WCIRB developed a paid development module that was supported by the Group and the Actuarial Committee at the time. Staff noted that the paid loss module would allow simultaneous development of paid and incurred losses in the simulation model. The Group was shown a summary of the paid loss module and its underlying assumptions.

Staff then presented a summary of aggregate simulated paid loss development results compared to actual aggregate paid loss development from financial call data. Staff noted that substantial differences in aggregate development could arise from differences in both the size of loss distribution and open vs. closed claim share in the starting database underlying the simulation, as compared to the historic experience underlying the financial call data. Staff noted that despite these differences, simulated paid development factors were generally in the middle of the distribution of observed development factors. Staff noted the exception of paid indemnity development at early maturities and noted this was largely due to the much smaller share of open claims in the simulation starting database. The Group found these results to be generally reasonable.

Staff discussed how the inclusion of the paid development module was expected to increase incurred development and the resulting loss elimination ratios. Staff noted that the increase was expected because paid loss values are used as a lower bound in the incurred loss development methodology. The inclusion of the paid development methodology results in lower bounds that increase monotonically with maturity, while the prior methodology used paid loss values at USR that did not increase with maturity. A Working Group member asked why the previous methodology would have been biased lower and staff noted that there was a discrepancy in that the development tables used in the simulation were compiled using actual claim data that was bound by its own paid loss values at a later maturity, but that the previous simulation did not

Meeting Summary

Date: August 25, 2023

account for changes in paid losses between USR and later maturities in the application of specific downward incurred development factors.

Staff noted that the methodological differences were greatest for claims with a large simulated incurred loss value that had a much lower paid loss value at USR. Staff further noted the size-based constraints on downward (and upward) development would already prevent unrealistic downward development for extremely large claims and that methodological differences in the simulated size of loss distribution were expected to be largest for large but not extreme claim sizes. The Group was shown simulation results that validated this expectation.

WCIRB staff recommended including the paid loss module as part of the plan update. Staff noted that the simulation would be updated using an additional year of development data and a more recent starting database. Working Group members expressed support for staff's recommendations. A Working Group member noted the importance of testing the to-be-included development data for COVID-19 related anomalies consistent with the 2022 study. Staff agreed with this recommendation.

Finally, staff solicited Working Group members for recommended data artifacts to be included with the updated plan tables. Multiple Working Group members requested various iterations of limited, excess, or layer development tables. Staff agreed to review the feasibility of publishing some combination of these tables, likely as values relative to aggregate development, and to present samples for feedback at the next Working Group meeting. The choice to publish relativities is intended to ensure the tables reconcile when simulated aggregate development differs from observed development. Finally, staff agreed to prepare tables of paid-to-incurred ratios, both as a testing methodology and as a data artifact for the plan tables.

B. Classification Ratemaking – Loss Limitations

The Working Group was reminded that, as part of a multi-year comprehensive review of the classification ratemaking process, the WCIRB is exploring ways to improve the performance of the loss limitation methodology such as applying loss limitations for classifications with a smaller volume of experience.

Staff reviewed the correlation between the pure premium in the experience period, and actual loss in the policy period for recent policy years and recommended using this metric to determine the size of a classification. Staff presented several methods to help identify a meaningful threshold between small and large classifications including a cluster analysis and reviewing the correlation of variance (CV) and root mean squared errors (MSE) between historic and actual loss to payroll ratios. Staff observed that:

- The MSE are significantly lower for larger classifications than for smaller classifications.
- The MSE is more sensitive to the loss limitation for the smaller classifications.
- Loss limitations around \$100,000 for the smaller classifications minimize the MSE.

Staff recommended testing a loss limitation methodology with a threshold of \$10 million where losses for smaller classifications are limited at \$100,000 and losses for larger classifications are limited to \$500,000. A Working Group member asked when the loss limitation was last updated and was reminded that the limitation of \$500,000 was included in the WCIRB's January 1, 2010 pure premium rate filing. A Working Group member asked how many classes would move

Meeting Summary

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between classification sizes as well as the rate impact in that scenario. Working Group members expressed support for staff's recommendation.

C. Impact of Payroll Limitations in the Frequency Model

The Working Group was reminded that payroll limitations have been extended to employees in five additional classifications effective January 1, 2020 and to employees in seven additional classifications effective September 1, 2022. The Working Group was reminded that, in the WCIRB Indemnity Claim Frequency model, frequency is calculated as indemnity claims per \$1 million of exposure at the wage level of the most recent policy year for which unit statistical reports are available.

Staff presented two potential ways to adjust the Frequency model for the impact of changes in reported payroll and assessed the impact of each. Without any additional adjustment, the hazardousness adjustment within the model would partially account for the change. Additionally, the payroll could be adjusted to a common basis. Staff found that the current limitations have a minimal impact on the model projections and do not recommend making an adjustment at this time, beyond the hazardousness adjustment already included in the model. A Working Group member asked about the impact of a high wage, high frequency classification being similarly limited. Staff noted that a direct adjustment would likely be necessary in that case. A Working Group member noted that the frequency impact seemed very small considering the amount of payroll being removed from the calculation. Staff replied that the hazardousness adjustment treats the new limitations as a large change in the classification's mix. Staff noted that the hazardousness adjustment would also include a large change in frequency for the impacted classifications, but that the impact is minimal because the relative frequency of the affected classifications is so low. If, in the future, payroll limitations are extended to classifications that yield a larger impact, staff recommends:

- Collecting payroll on both a limited and unlimited basis for the year of the transition.
- Presenting the frequency model with a series break where annual changes prior to the break are calculated on an unlimited basis and on a limited basis after the break.

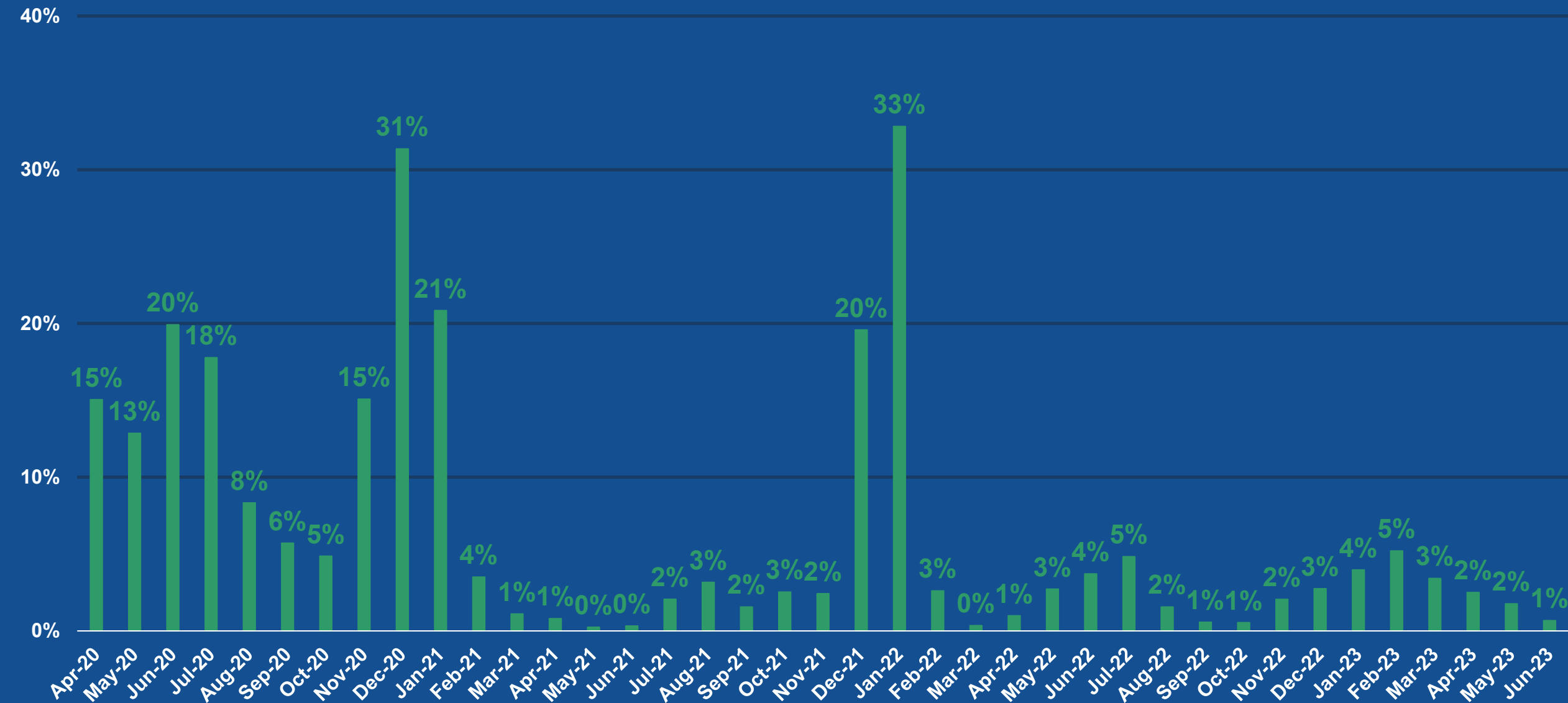
The Working Group was advised that staff will present these recommendations to the Actuarial Committee in September.

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

The COVID-19 pandemic has had a significant impact on many components of experience emerging in 2020 through 2023. At the meeting, staff will present information on emerging COVID-19 claim experience based on WCIRB aggregate financial calls, unit statistical data and indemnity transaction data. Draft slides summarizing this information are attached for review.

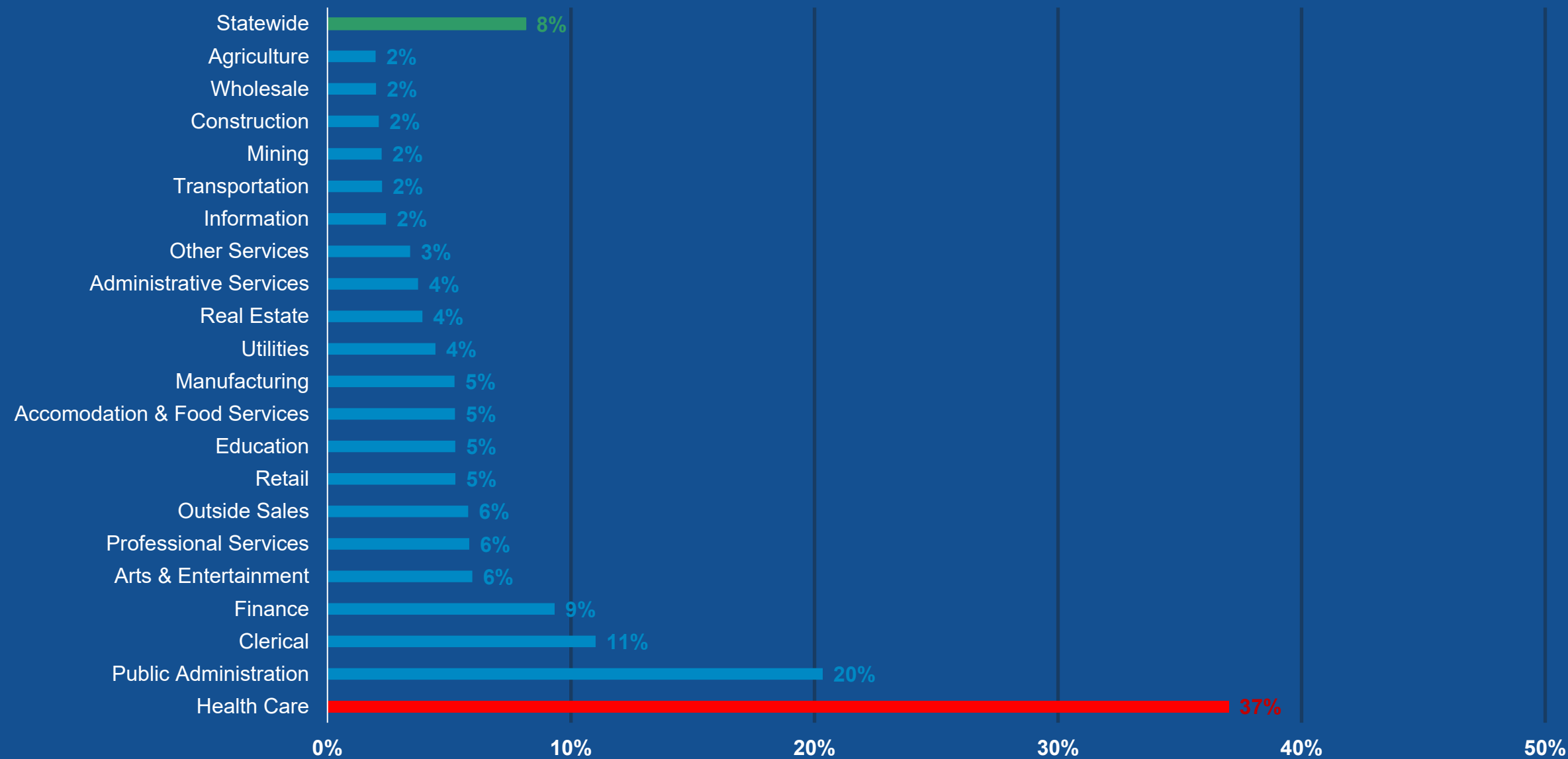
COVID-19 Share of Indemnity Claims

As of August 17, 2023



Share of COVID-19 Indemnity Claims by Industry

As of August 17,2023



Industry Distribution of COVID-19 Indemnity Claims by Accident Quarter

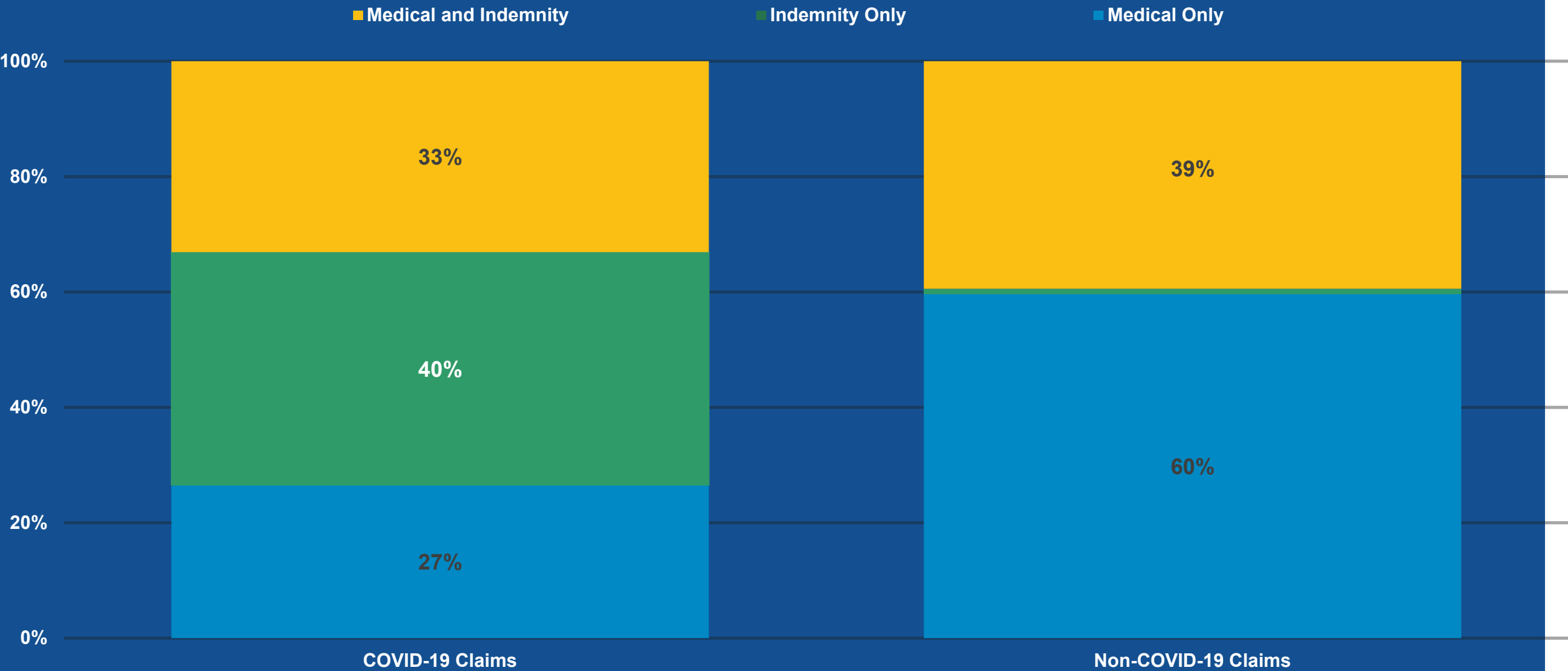
As of August 17, 2023

Industry	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2
Health Care	51%	56%	53%	55%	43%	49%	56%	60%	47%	55%	61%	64%	59%
Manufacturing	11%	8%	9%	9%	14%	11%	3%	6%	9%	11%	4%	8%	3%
Retail	6%	5%	7%	6%	7%	5%	8%	7%	7%	7%	5%	6%	7%
Accommodation & Food Services	4%	6%	4%	5%	3%	7%	12%	8%	10%	8%	4%	2%	8%
Clerical	5%	3%	6%	7%	8%	5%	7%	6%	9%	6%	14%	9%	5%
Transportation	3%	5%	5%	2%	2%	2%	1%	1%	1%	1%	0%	1%	1%
Construction	3%	3%	3%	4%	7%	5%	2%	2%	2%	1%	0%	0%	0%
Administrative Services	4%	4%	2%	2%	1%	2%	1%	2%	0%	1%	0%	0%	0%
Wholesale	3%	2%	3%	2%	2%	1%	1%	1%	1%	1%	0%	1%	1%
Agriculture	3%	2%	0%	1%	2%	2%	0%	0%	0%	1%	1%	3%	2%
Arts & Entertainment	1%	0%	0%	0%	1%	1%	2%	2%	3%	4%	3%	2%	2%
Professional Services	1%	1%	1%	1%	1%	1%	2%	2%	4%	1%	1%	1%	3%
Other Services	2%	1%	1%	1%	1%	1%	1%	0%	1%	1%	1%	0%	0%
Real Estate	1%	1%	1%	1%	2%	2%	1%	1%	1%	1%	1%	0%	0%
Education	0%	1%	1%	1%	2%	1%	1%	1%	2%	1%	1%	2%	4%
Outside Sales	1%	1%	1%	1%	0%	1%	1%	1%	1%	0%	1%	1%	1%
Public Administration	1%	0%	1%	1%	5%	2%	1%	0%	0%	0%	1%	1%	1%
Information	0%	0%	1%	0%	0%	1%	0%	0%	1%	0%	2%	1%	0%
Finance	0%	0%	0%	0%	0%	1%	0%	0%	2%	0%	1%	0%	0%
Utilities	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
Mining	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%

Share of Claims by Type of Claim

Accident Year 2020 at 3rd Report Level

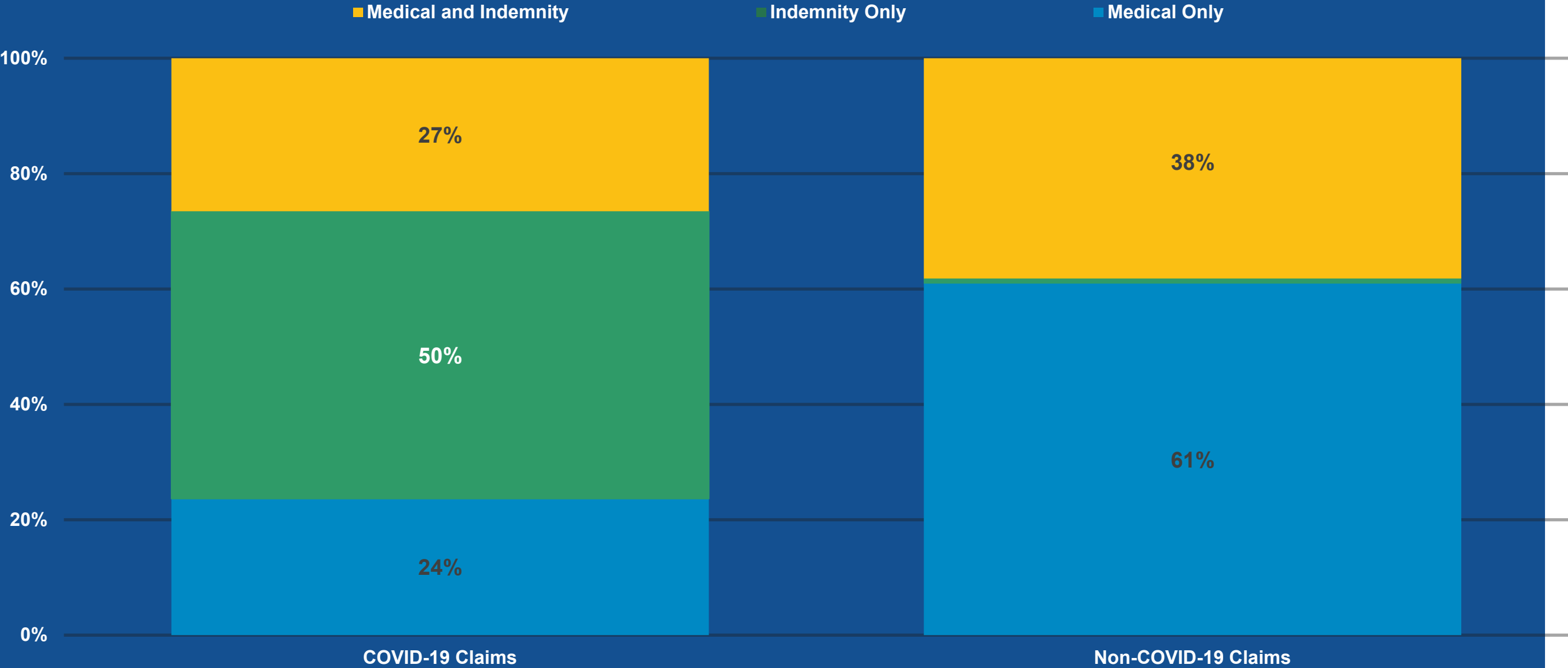
As of August 17, 2023



Share of Claims by Type of Claim

Accident Year 2021 at 2nd Report Level

As of August 17, 2023



Share of Claims by Type of Claim

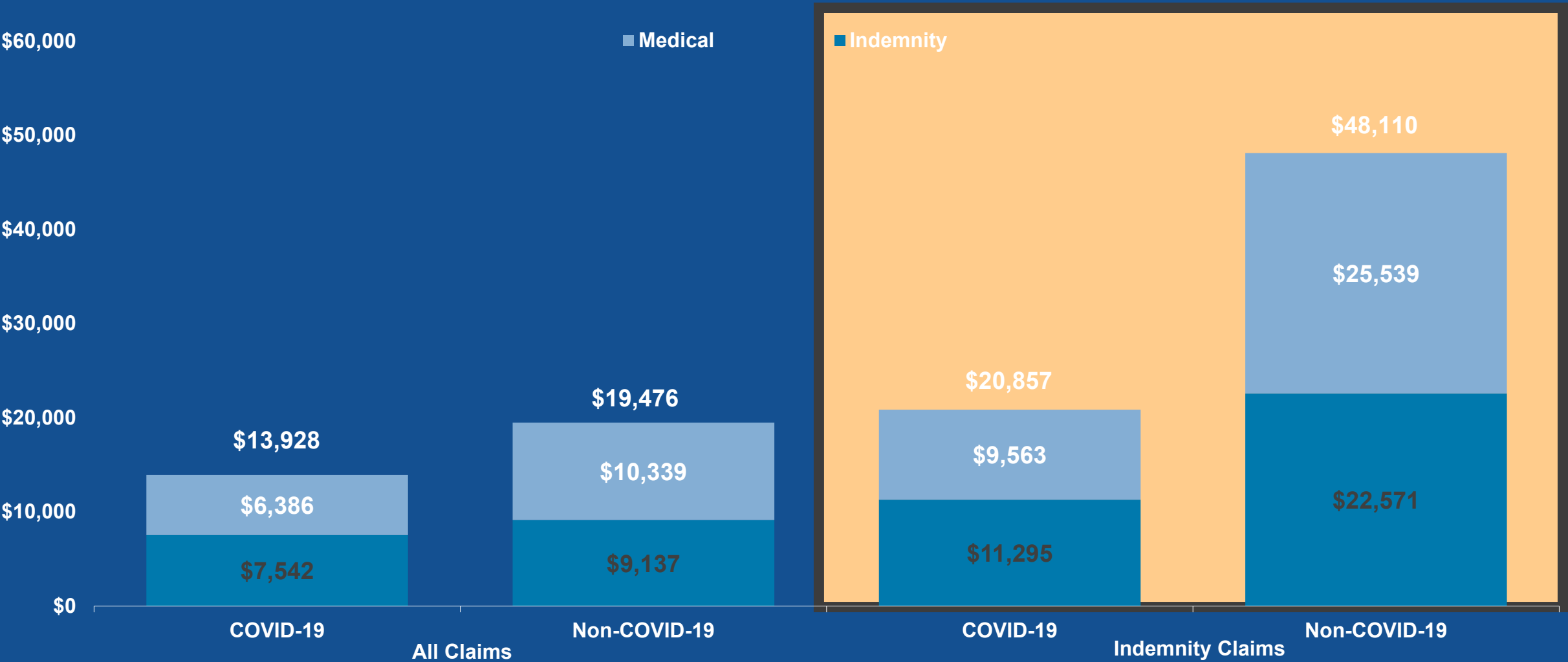
Accident Year 2022 at 1st Report Level

As of August 17, 2023



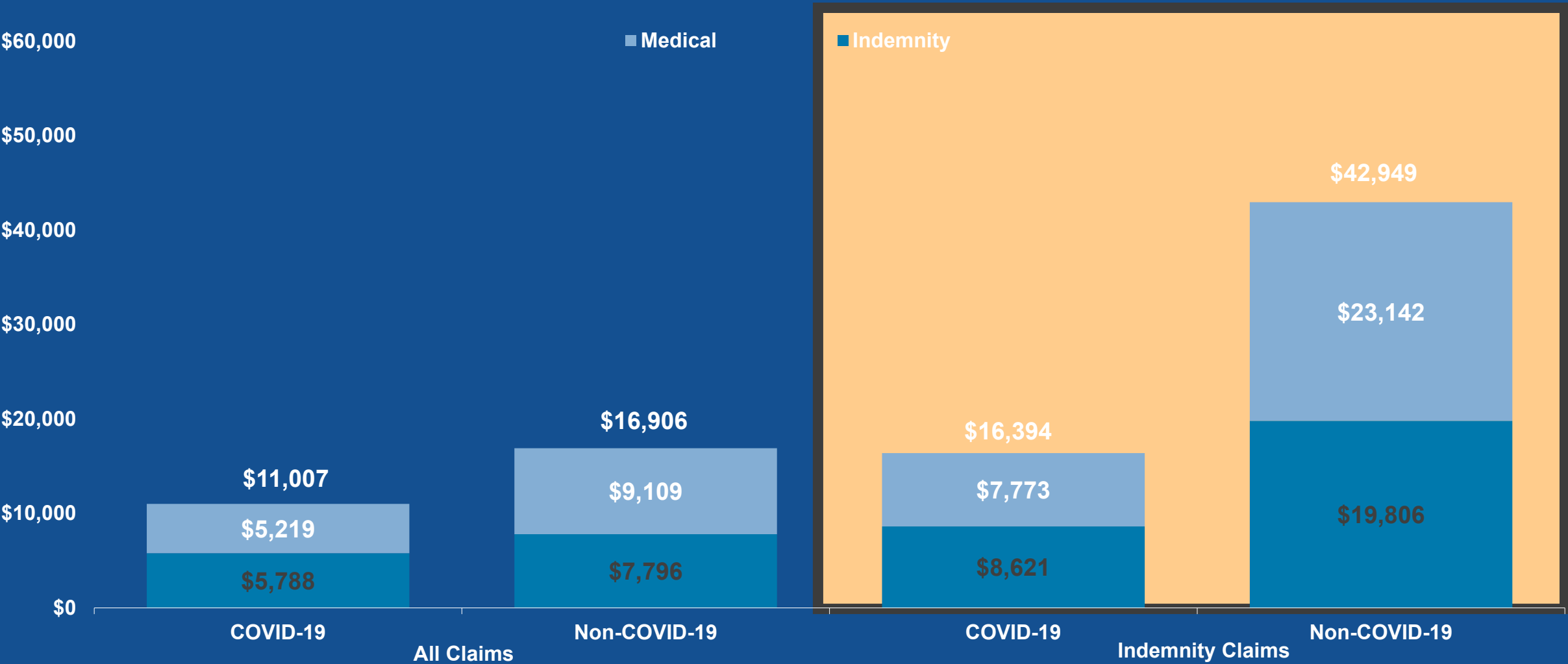
Accident Year 2020 Incurred Severities

As of June 30, 2023



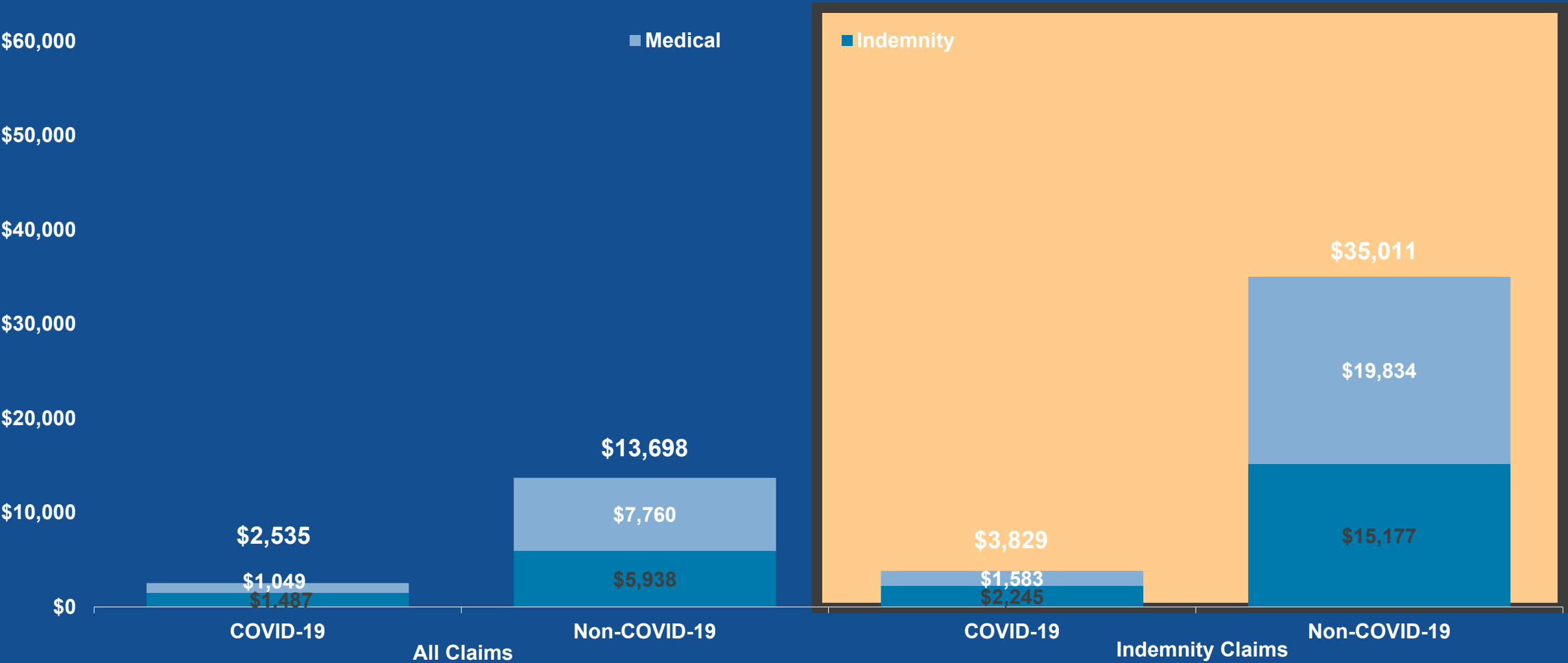
Accident Year 2021 Incurred Severities

As of June 30, 2023



Accident Year 2022 Incurred Severities

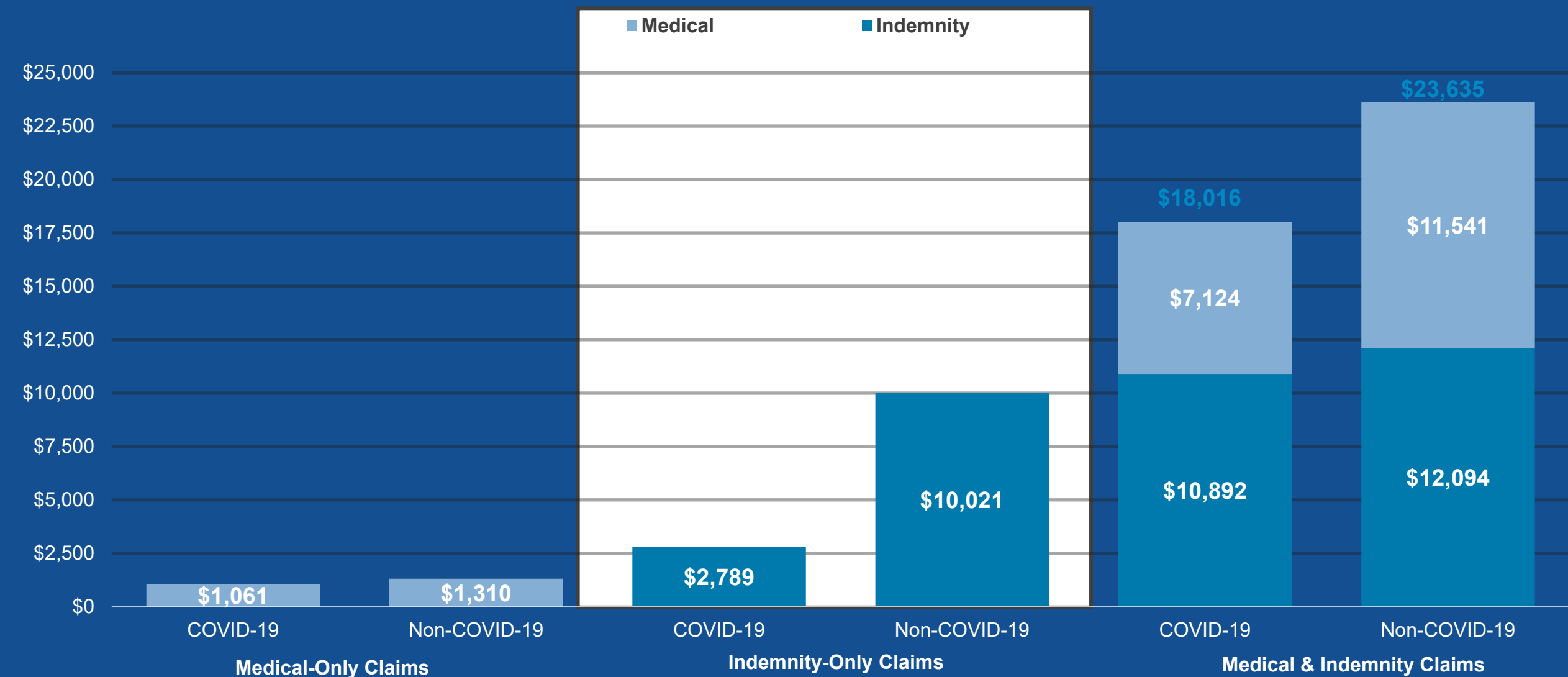
As of June 30, 2023



Closed Claim Severity by Type of Claim

Accident Year 2020 at 3rd Report Level

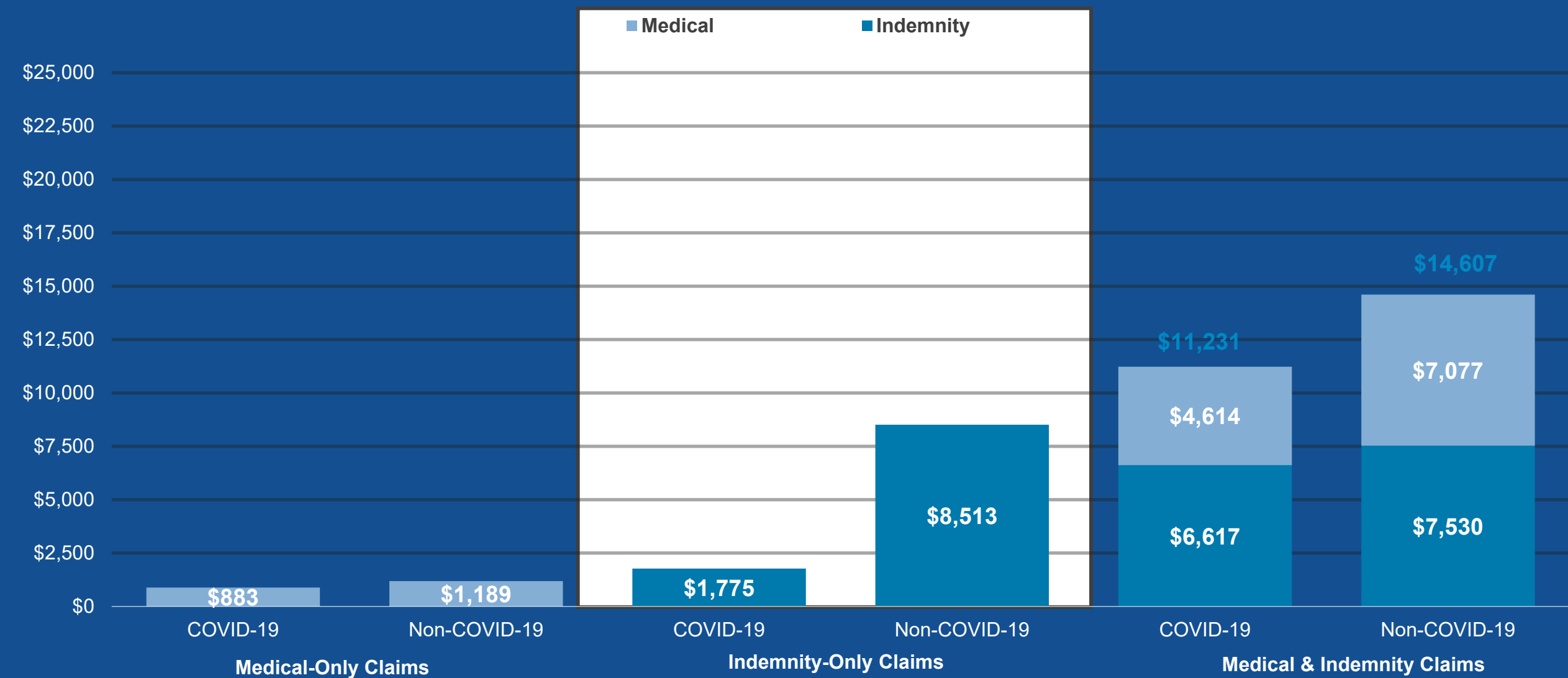
As of August 17, 2023



Closed Claim Severity by Type of Claim

Accident Year 2021 at 2nd Report Level

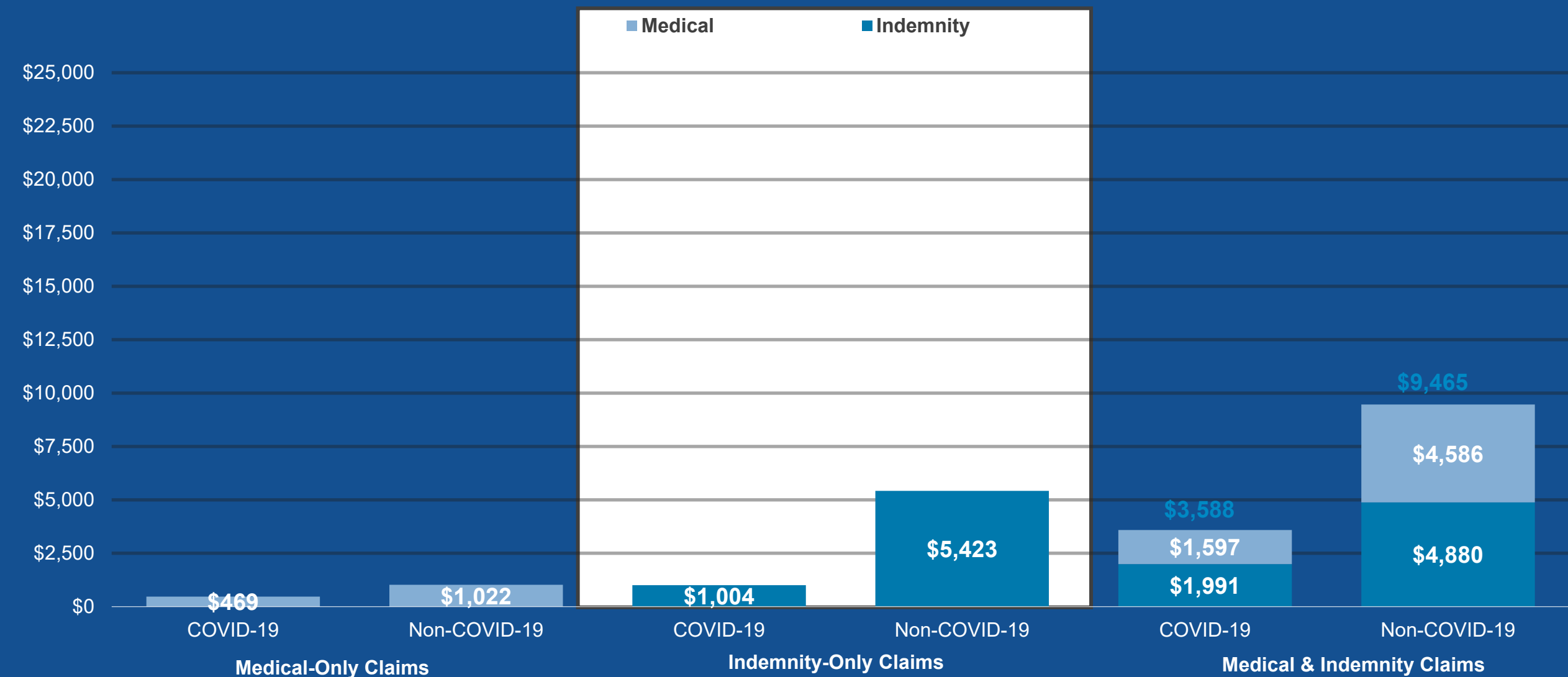
As of August 17, 2023



Closed Claim Severity by Type of Claim

Accident Year 2022 at 1st Report Level

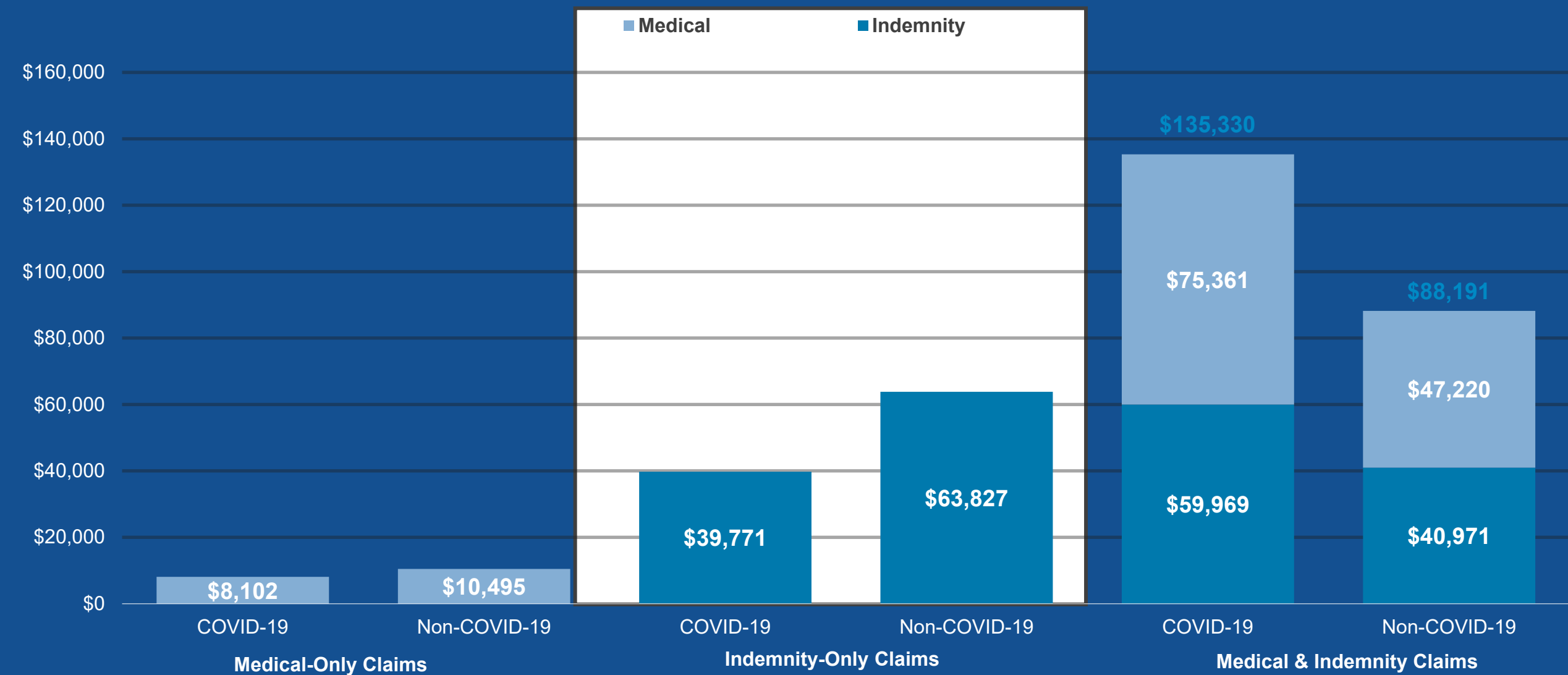
As of August 17, 2023



Open Claim Severity by Type of Claim

Accident Year 2020 at 3rd Report Level

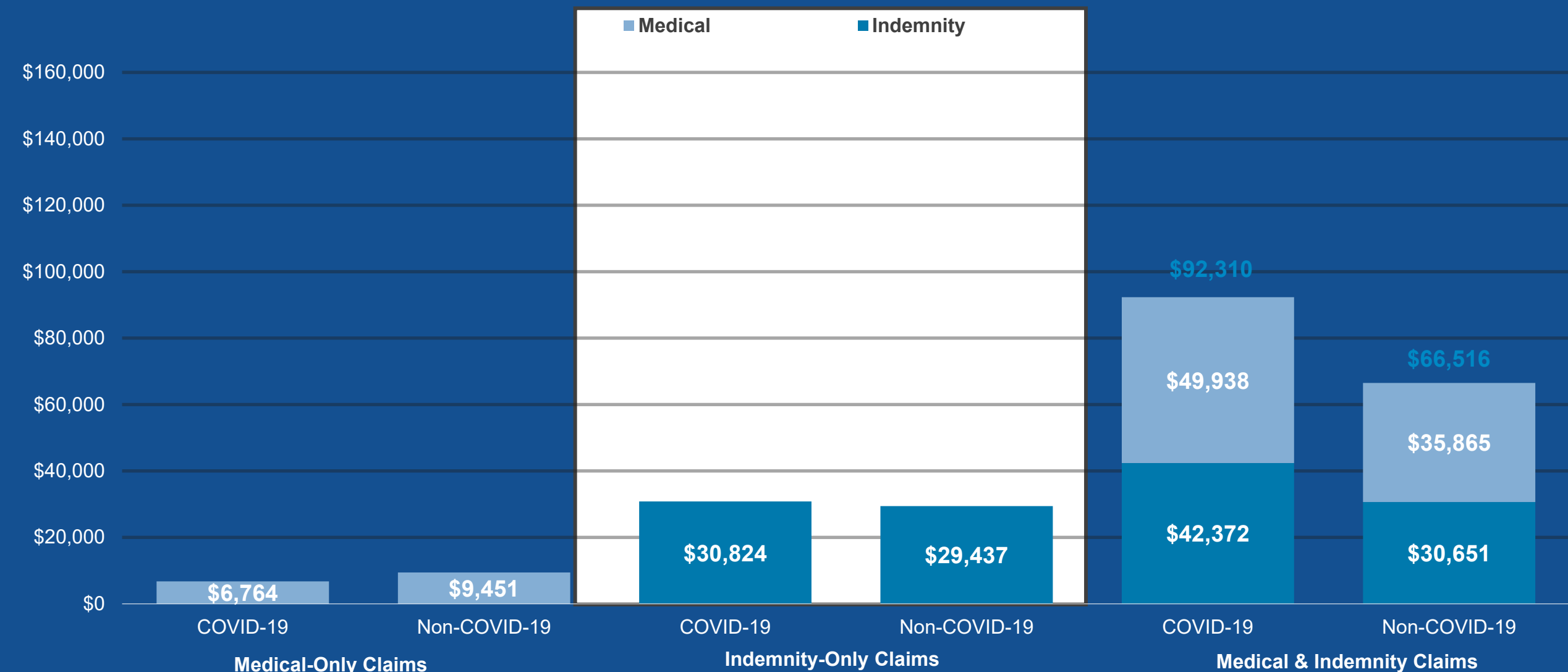
As of August 17, 2023



Open Claim Severity by Type of Claim

Accident Year 2021 at 2nd Report Level

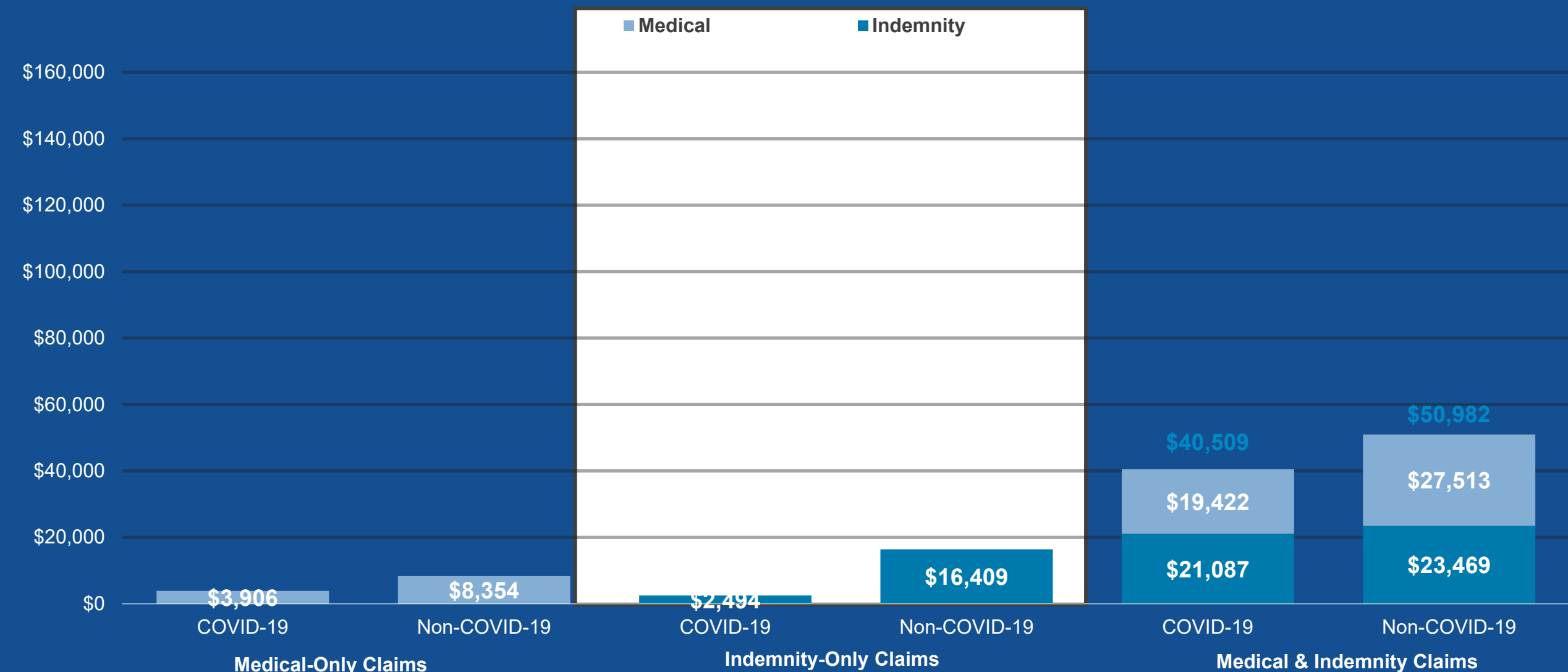
As of August 17, 2023



Open Claim Severity by Type of Claim

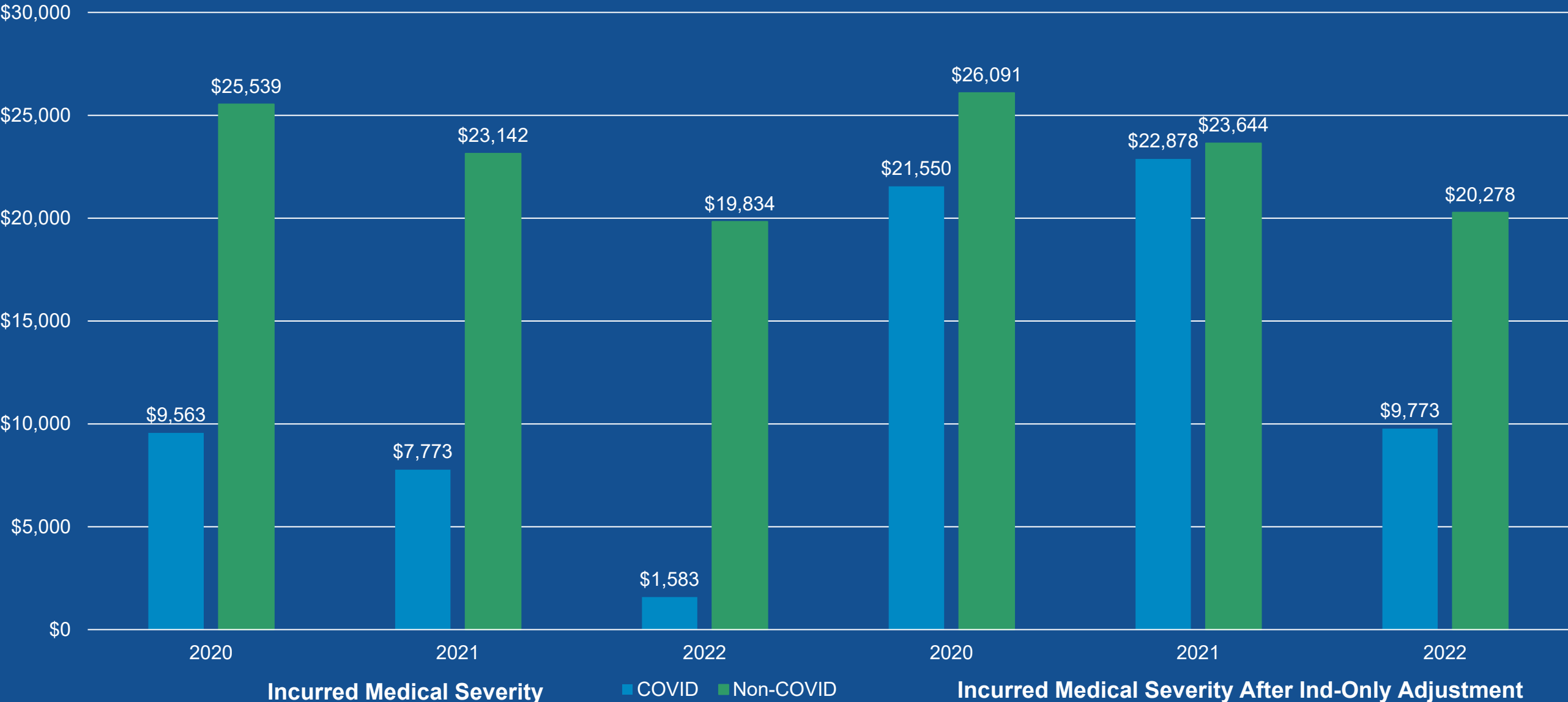
Accident Year 2022 at 1st Report Level

As of August 17, 2023



Comparison of Incurred Medical Severity on COVID-19 and Non-COVID-19 Claims Adjusted for the Share of Indemnity-Only Claims

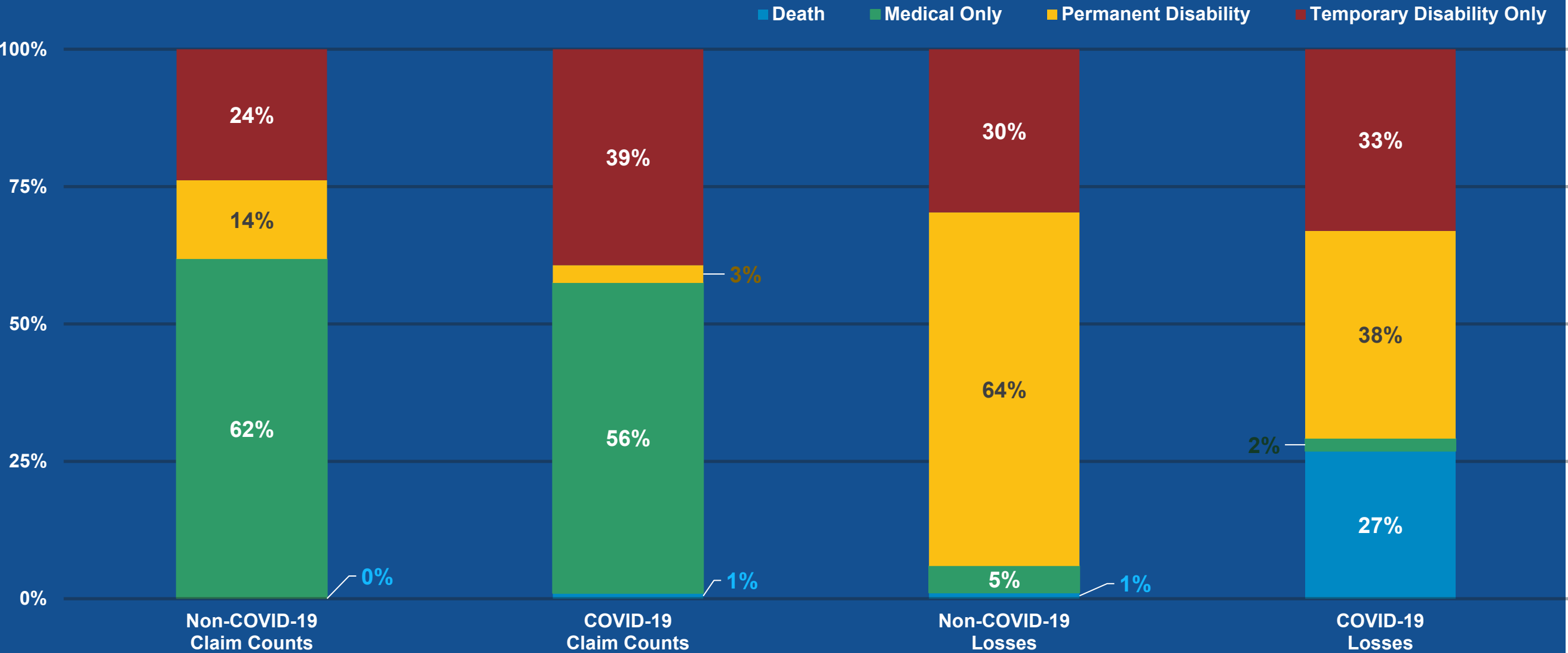
As of June 30, 2023



Distribution of Claims and Incurred Losses by Claim Type

Accident Year 2020

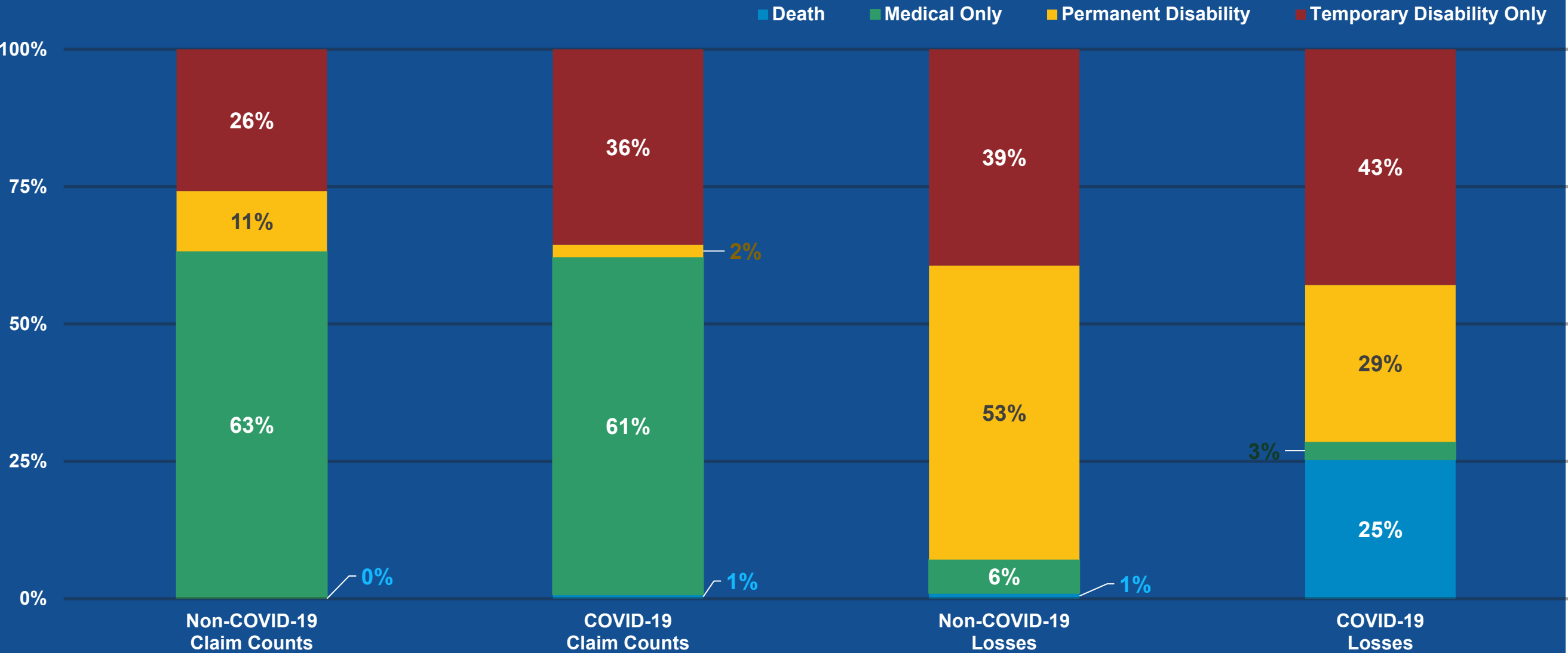
As of August 17, 2023



Distribution of Claims and Incurred Losses by Claim Type

Accident Year 2021

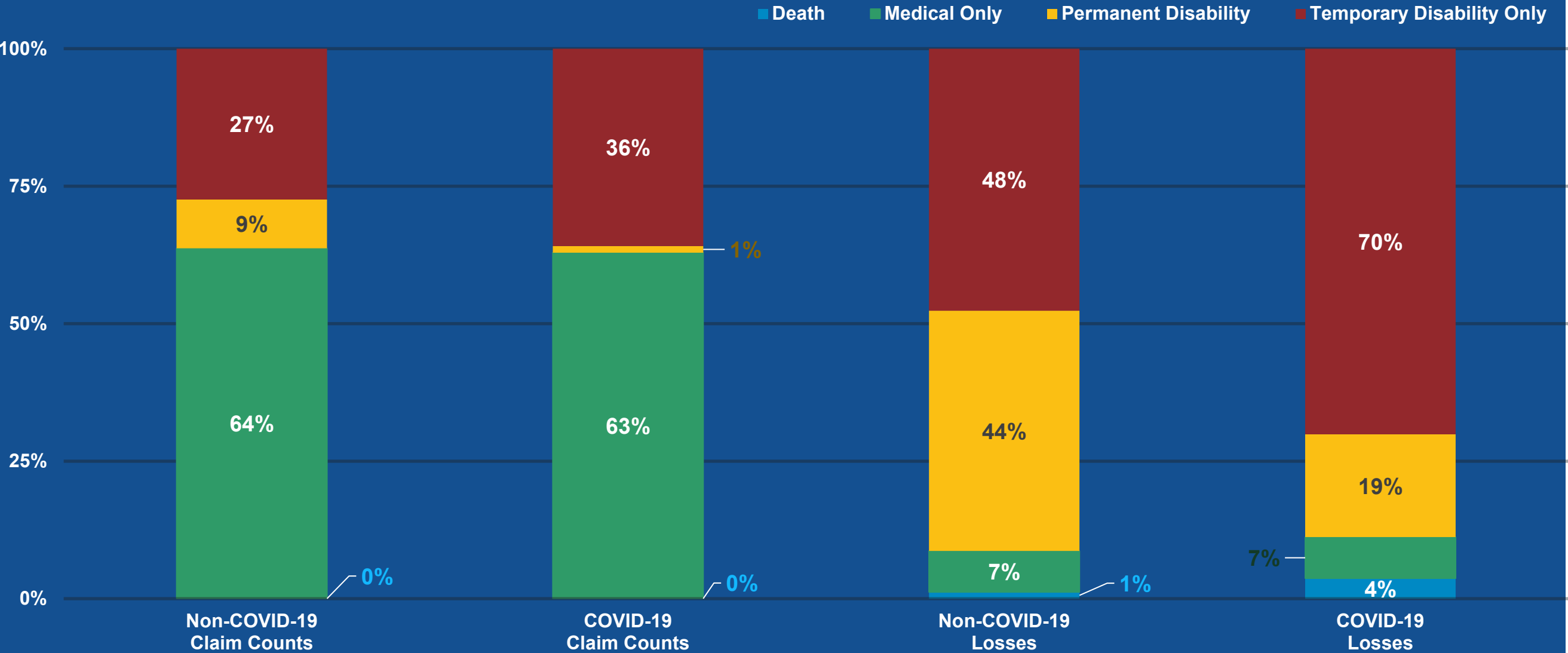
As of August 17, 2023



Distribution of Claims and Incurred Losses by Claim Type

Accident Year 2022

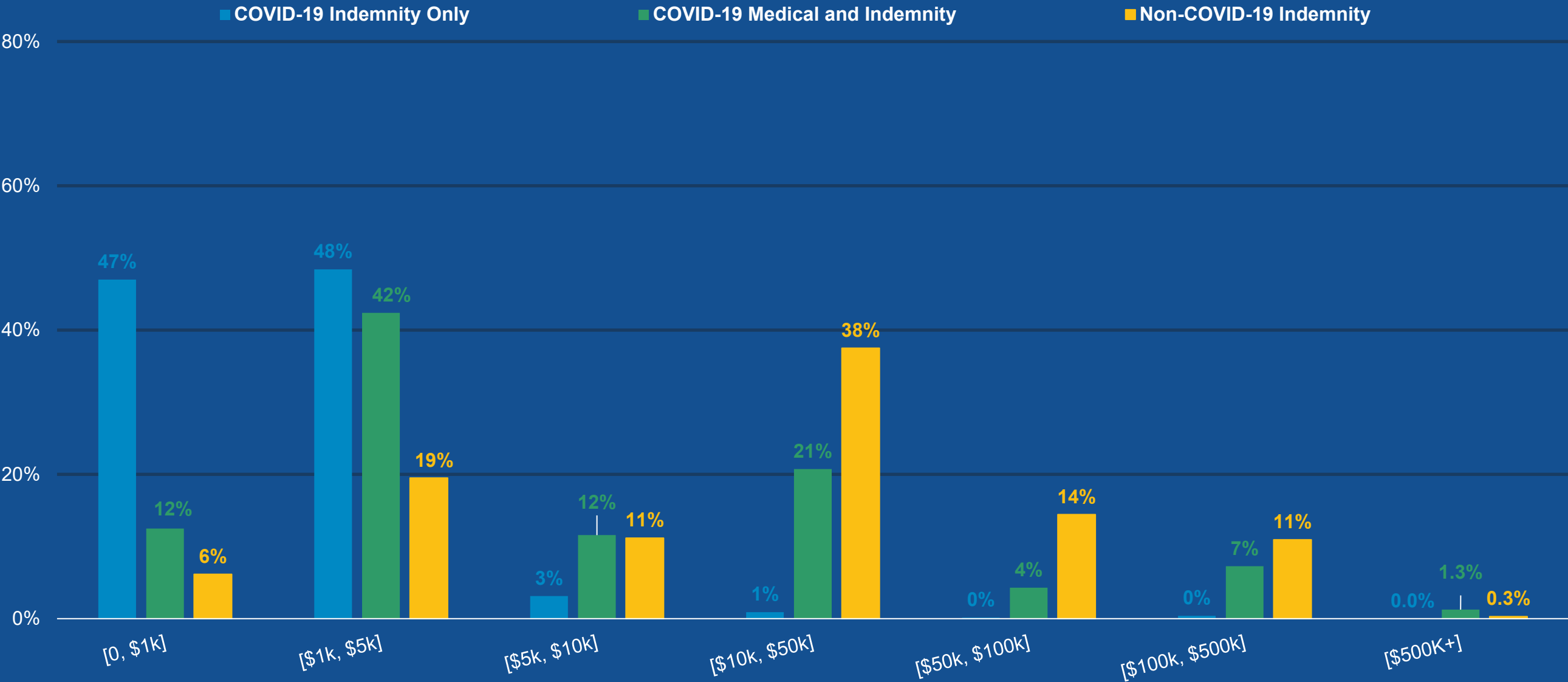
As of August 17, 2023



Indemnity Claim Distribution by Incurred Loss Size

Accident Year 2020

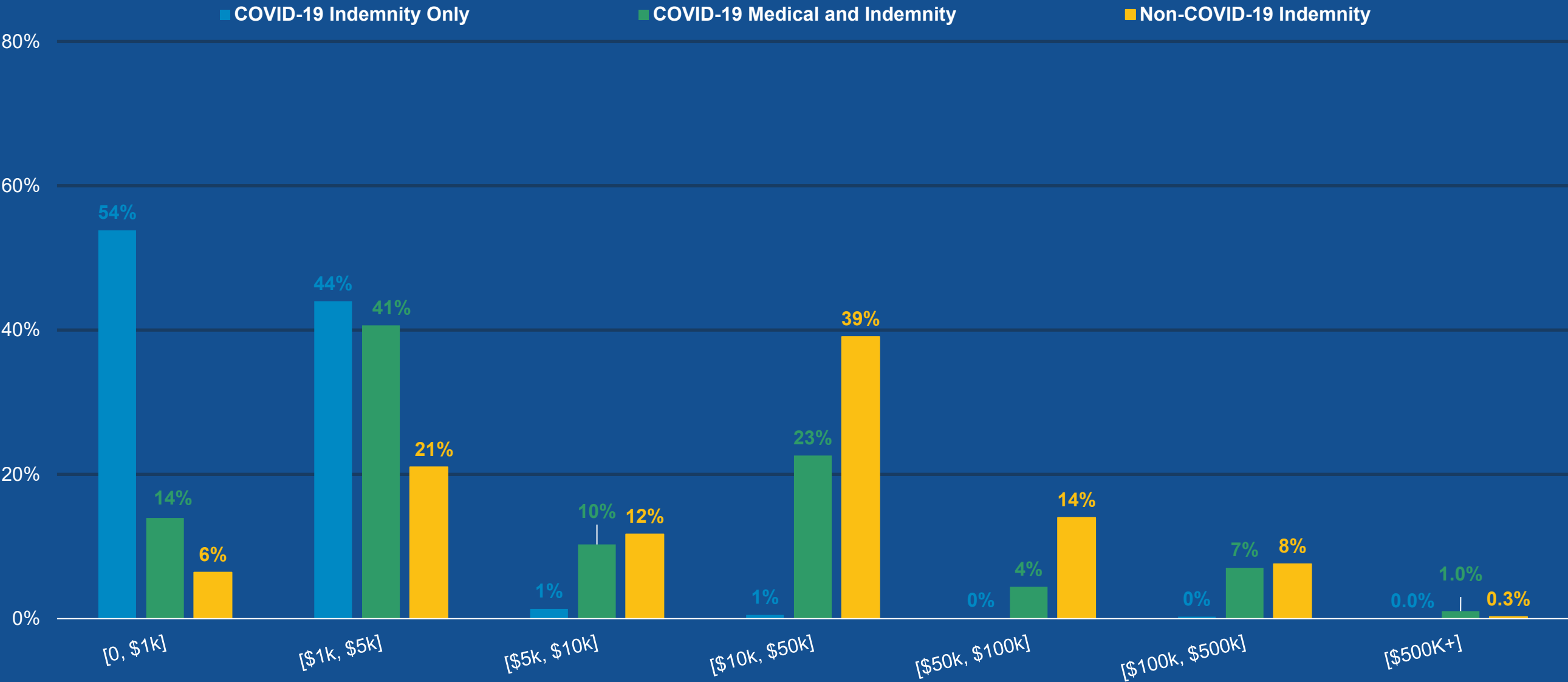
As of August 17, 2023



Indemnity Claim Distribution by Incurred Loss Size

Accident Year 2021

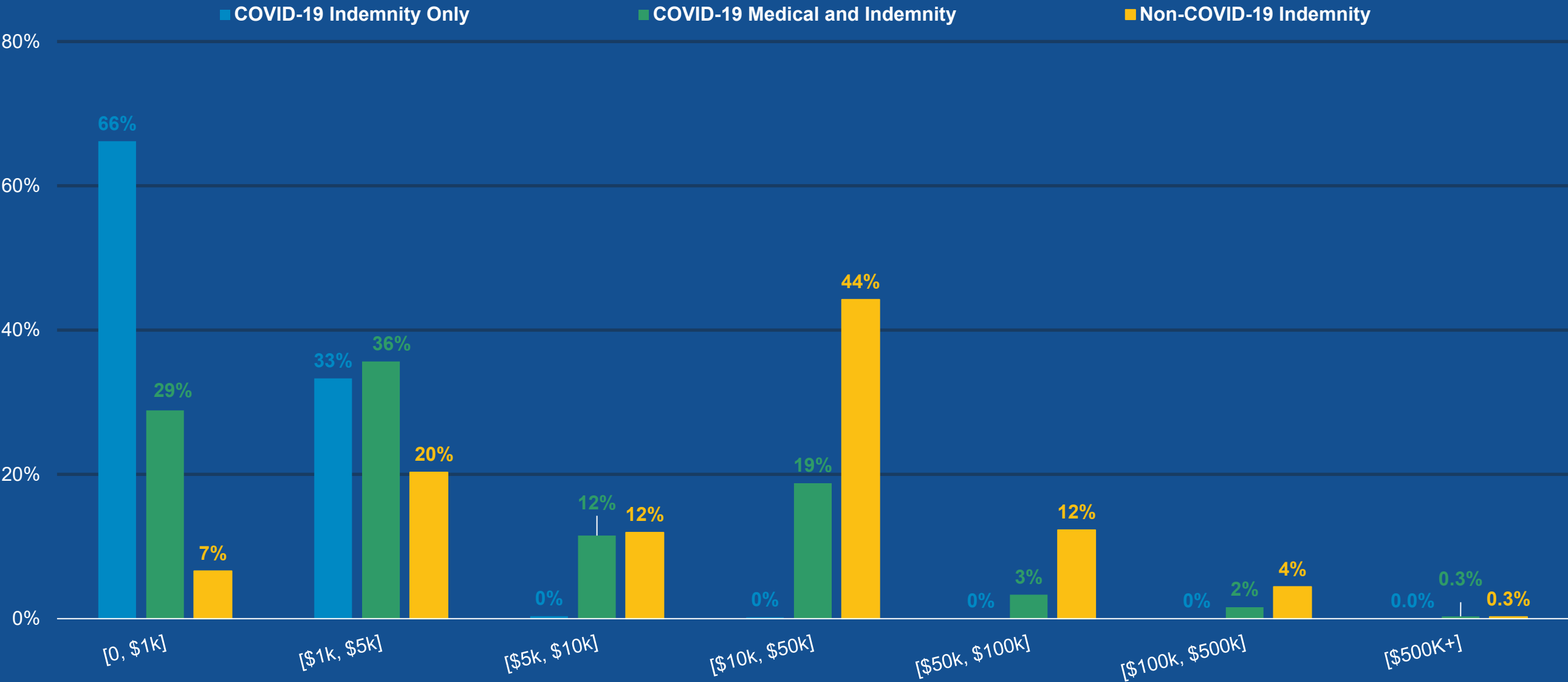
As of August 17, 2023



Indemnity Claim Distribution by Incurred Loss Size

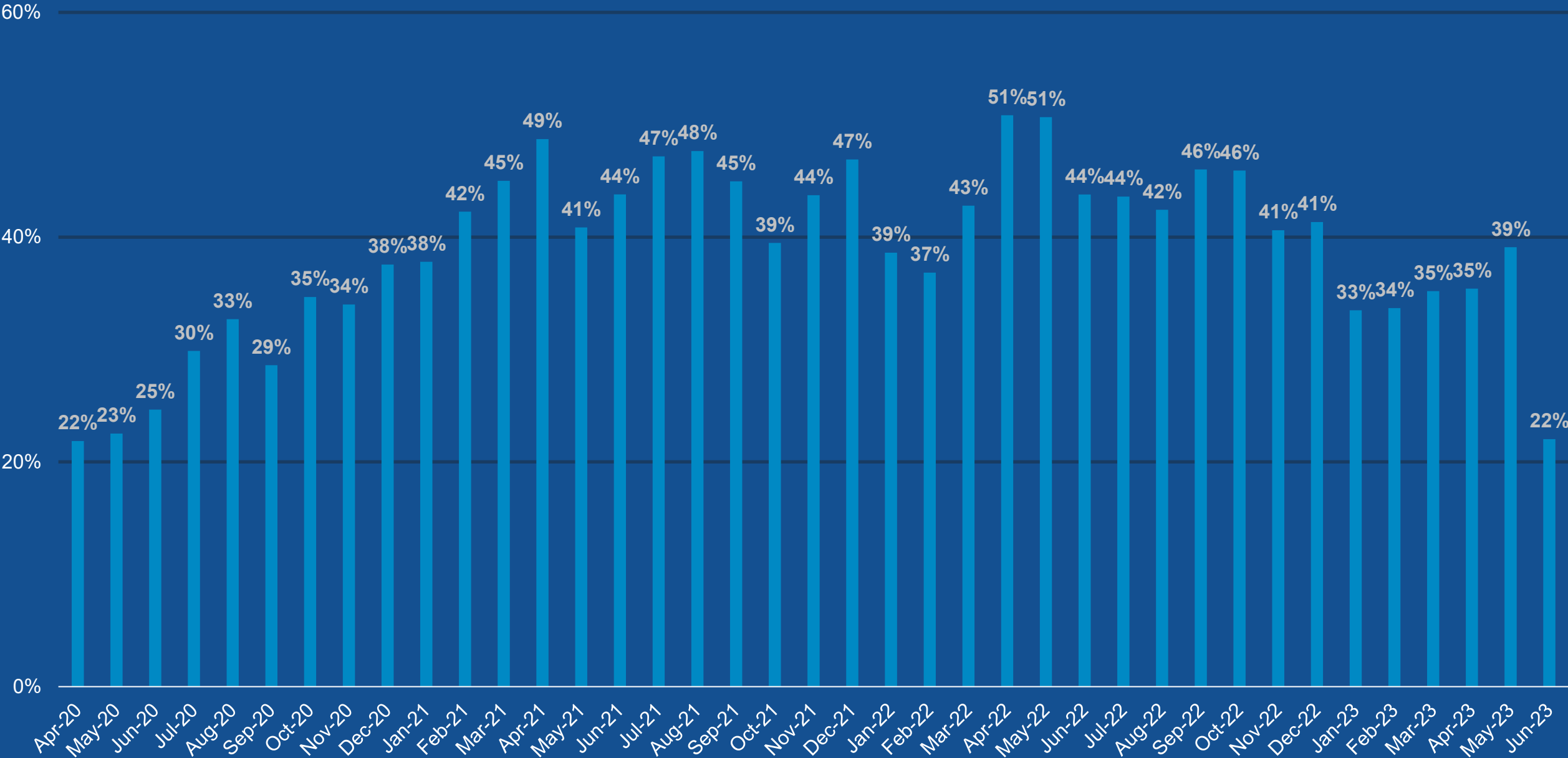
Accident Year 2022

As of August 17, 2023



COVID-19 Claim Denial Rates by Accident Month

As of August 17, 2023

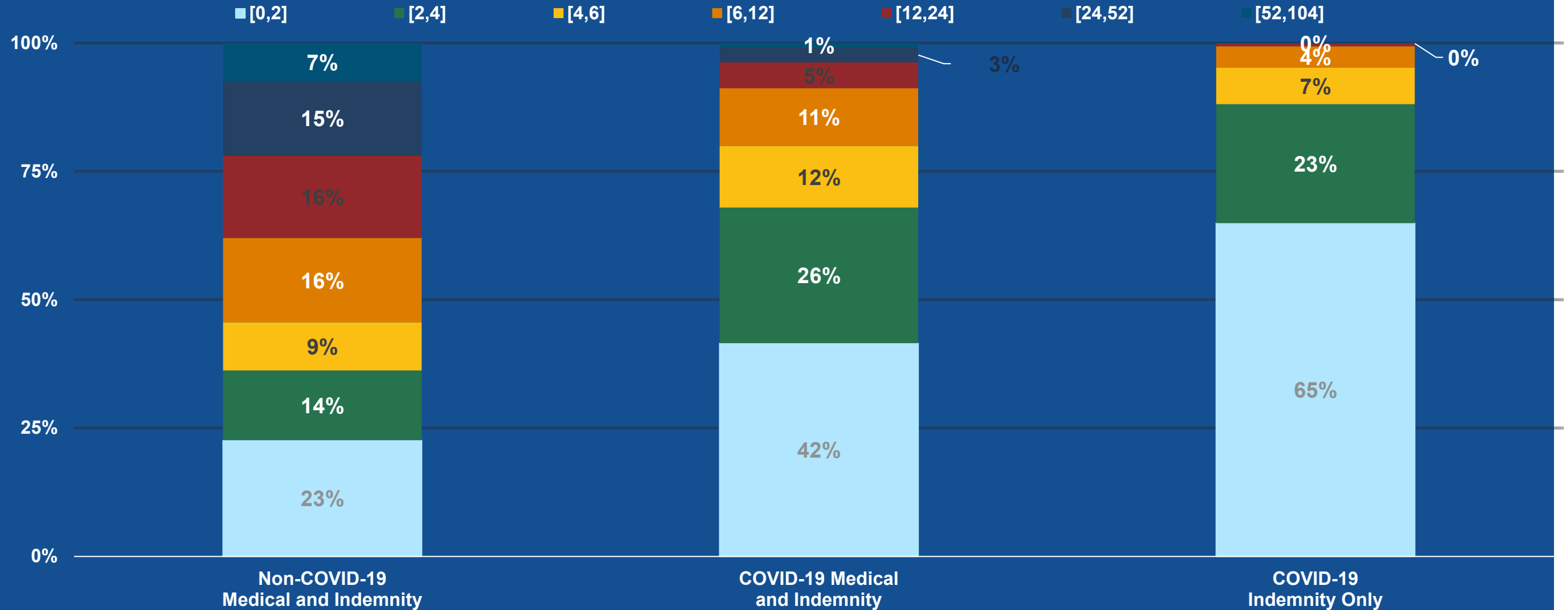


Weeks of Temporary Disability by Claim Type

Accident Year 2020

Closed Claims Only

As of August 17, 2023

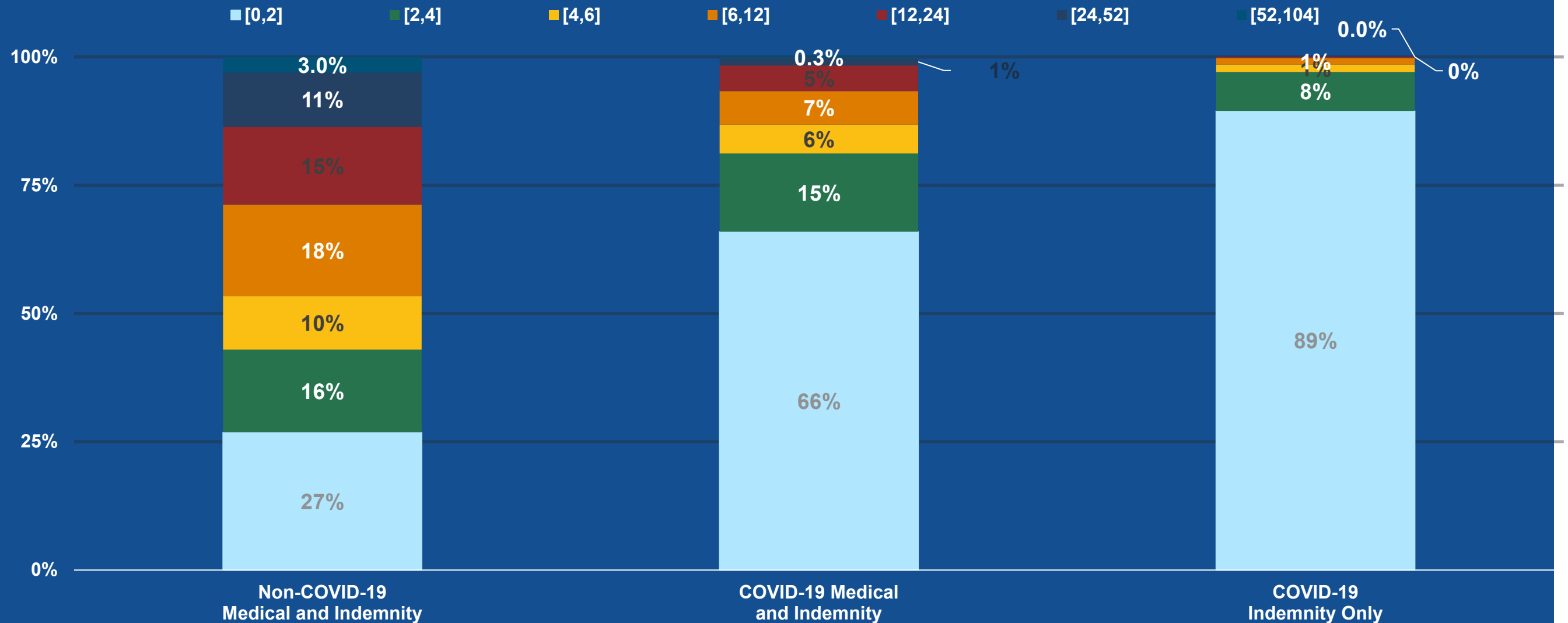


Weeks of Temporary Disability by Claim Type

Accident Year 2021

Closed Claims Only

As of August 17, 2023

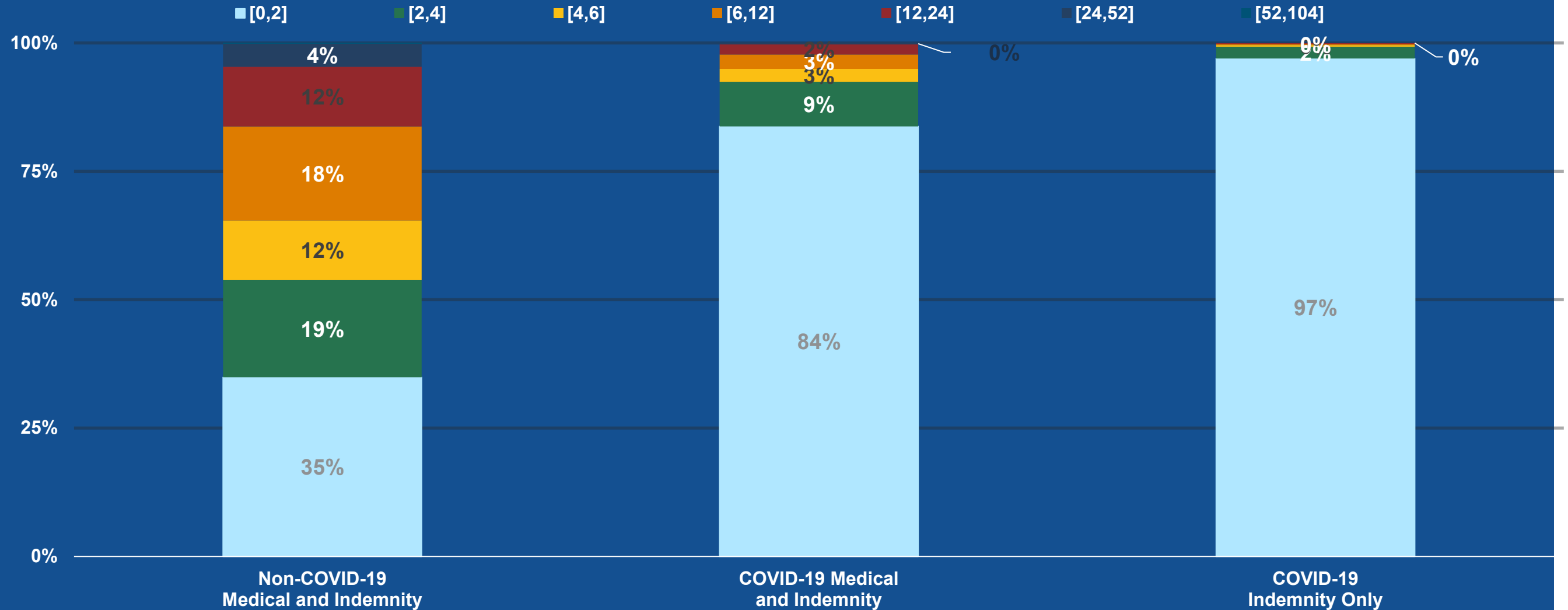


Weeks of Temporary Disability by Claim Type

Accident Year 2022

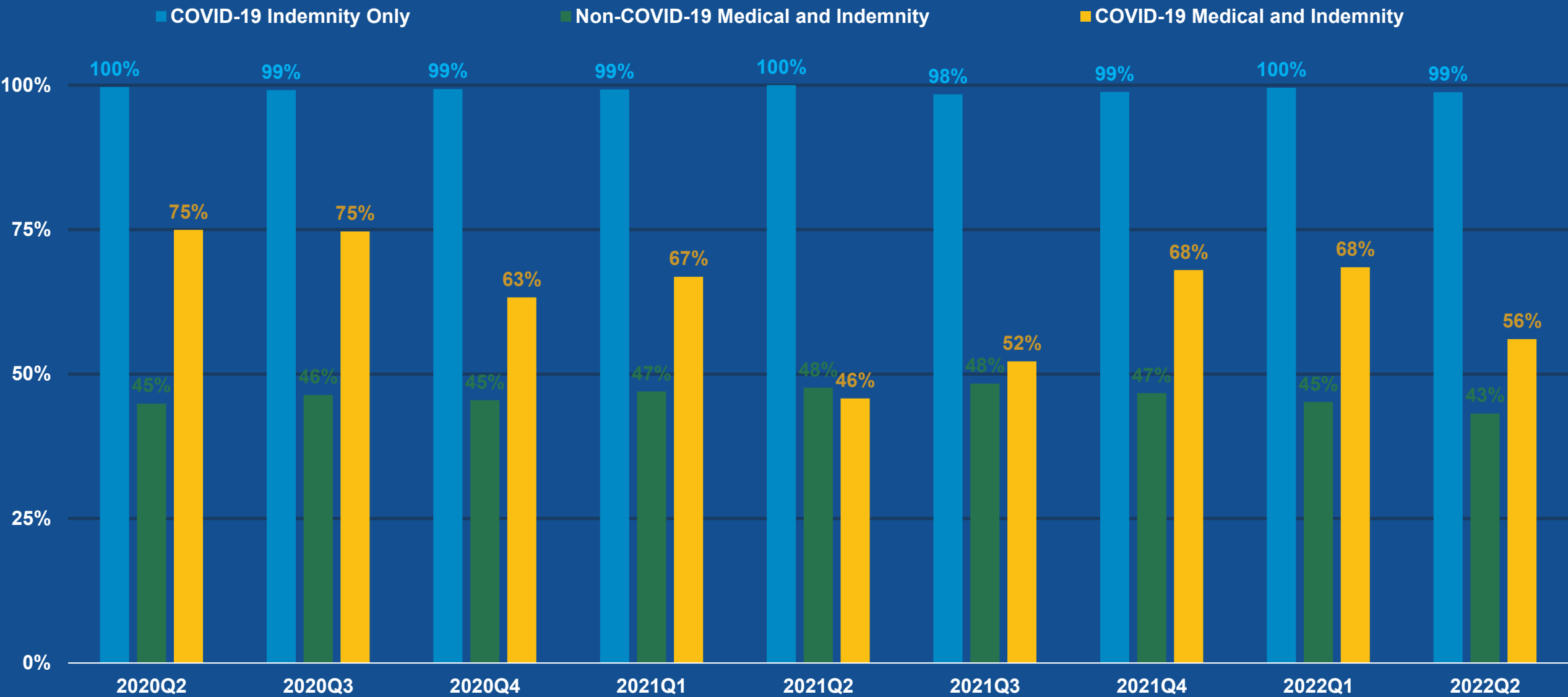
Closed Claims Only

As of August 17, 2023



Indemnity Claims Closing Rates at Report Level 1

As of August 17, 2023



Item AC23-09-01

Third Quarter 2023 Review of Diagnostics

Twice a year, WCIRB staff compiles a comprehensive list of diagnostics to be reviewed by the Claims Working Group and Actuarial Committee. This review aims to identify and quantify changes in claim patterns and trends, helping to determine the most appropriate methodologies to be used in the development of pure premium rates. The diagnostics are segregated into the following areas (COVID-19 claims are excluded unless otherwise specified):

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

Staff made the following observations based on the most recent set of system diagnostics:

1. The preliminary proportion of permanent indemnity claims for accident year 2021 is at a 17-year low and continues the declining trend in the proportion of permanent claims that began in 2016 (Exhibit M4).
2. In 2021, the total number of lien decisions reached a 30-year low. This could be attributed to both the pandemic and lien-related reforms (Exhibit M9.1). The total number of liens filed per quarter has remained relatively stable over the last three years, following several years of decreases (Exhibit M9.2).
3. The ratio of incremental closed indemnity claims to prior open indemnity claims generally increased over the most recent calendar year. It is higher than the pre-pandemic level in the early development period but remains below the pre-pandemic level beyond the 15-month development period (Exhibit C3.1).
4. After a sharp increase in the accident year 2020, the share of indemnity claims involving cumulative trauma injuries has decreased for the preliminary accident year 2021 to a level generally consistent with the pre-pandemic period (Exhibit C15).
5. Preliminary accident year 2021 claim frequency shows a large increase in the Bay Area and modest decreases in other regions in the state (Exhibit C21).
6. Average indemnity claim severities for accident year 2022 at 18 months and for accident year 2023 at 6 months generally exhibit moderate increases for indemnity and are relatively flat for medical (Exhibits S2 through S5).
7. Average paid medical severities on open claims over the most recent calendar year show modest increases (Exhibit S7).
8. The proportion of permanent disability claims with over \$1,000 ALAE costs (a proxy for litigated claims) at first report level has been generally increasing in both the Bay Area and Los Angeles Basin (Exhibit E7).

Exhibit Numbering Guide September 2023

Exhibit #	Exhibit Name
Market/Claim Characteristics	
M3	Total Incurred Loss Distribution by Insurer
M4	Distribution of Estimated Ultimate Number of Claims by Injury Type
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
Claim Count	
C1	Reported Indemnity Claim Count Development - Statewide
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
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
C18	Ratio of Total Indemnity Claim Counts to Total Claim Counts
C19	Distribution of Cumulative Injury Claims by Injury Type
C20	Indemnity Claim Frequency Relativities by NAICS Sector
C21	Indemnity Claim Frequency by Geographic Region
Claim Severity	
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
S11	Average Permanent Disability Ratings by Type of Loss
S14	Self Insured Employers - Claim Severity
S18	Indemnity Claim Frequency by Layer of Incurred Medical at USR 1st
Loss Adjustment Expense	
E5	Average Paid ALAE Per Reported Indemnity Claim - Private Insurers
E7	Percentage of Represented Permanent Disability Claims by Region and Loss Type
E8	Distribution of Total ALAE & MCCP Components - Private Insurers
E9	Applicant Attorney Expense Paid - Private Insurers
E13	Changes in the Number and Cost of Medical-Legal Reports by Service Year
E15	Average Paid MCCP 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	2018 @ 3/31/2018	2019 @ 3/31/2019	2020 @ 3/31/2020	2021 @ 3/31/2021	2022 @ 3/31/2022
State Fund	13.4%	15.0%	18.7%	17.9%	17.7%
1	7.1%	6.0%	5.9%	6.7%	8.3%
2	6.9%	7.1%	6.7%	6.0%	6.6%
3	6.3%	6.5%	6.4%	6.4%	5.7%
4	4.4%	4.7%	5.2%	7.0%	5.3%
5	5.8%	6.5%	6.5%	5.3%	5.1%
6	4.5%	3.1%	3.6%	3.1%	3.8%
7	3.8%	4.1%	3.4%	3.0%	2.8%
8	3.9%	3.6%	2.2%	4.5%	2.5%
9	2.6%	2.4%	2.8%	2.2%	2.3%
10	3.0%	3.8%	3.6%	2.1%	2.1%
Total Top 10	48.5%	47.9%	46.3%	46.2%	44.4%
All Other	38.1%	37.1%	34.9%	35.9%	37.8%

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

AY Group	2018 @ 3/31/2018	2019 @ 3/31/2019	2020 @ 3/31/2020	2021 @ 3/31/2021	2022 @ 3/31/2022
1	8.3%	7.1%	7.3%	8.2%	10.1%
2	8.0%	8.3%	8.2%	7.3%	8.0%
3	7.3%	7.6%	7.9%	7.8%	6.9%
4	5.1%	5.5%	6.4%	8.6%	6.4%
5	6.7%	7.7%	8.0%	6.5%	6.2%
6	5.2%	3.7%	4.4%	3.7%	4.7%
7	4.3%	4.8%	4.2%	3.6%	3.4%
8	4.5%	4.2%	2.7%	5.4%	3.0%
9	3.1%	2.9%	3.4%	2.6%	2.7%
10	3.5%	4.5%	4.4%	2.5%	2.5%
All Other	44.0%	43.7%	43.0%	43.7%	46.0%

*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 2022 incurred losses.

Source: WCIRB quarterly calls for experience

Distribution of Estimated Ultimate Number of Claims by Injury Type

I. Distribution of Ultimate Number of Indemnity Claims

Accident Year	Permanent Indemnity	Temporary Indemnity	Total
2005	46.2%	53.8%	100%
2006	47.3%	52.7%	100%
2007	48.3%	51.7%	100%
2008	50.4%	49.6%	100%
2009	51.8%	48.2%	100%
2010	51.3%	48.7%	100%
2011	51.2%	48.8%	100%
2012	50.4%	49.6%	100%
2013	50.1%	49.9%	100%
2014	50.3%	49.7%	100%
2015	50.5%	49.5%	100%
2016	49.4%	50.6%	100%
2017	47.5%	52.5%	100%
2018	46.4%	53.6%	100%
2019	45.7%	54.3%	100%
2020	43.9%	56.1%	100%
2021*	39.8%	60.2%	100%

II. Distribution of Ultimate Number of All Claims

Accident Year	Permanent Indemnity**	Temporary Indemnity	Medical Only	Total
2005	13.4%	15.6%	71.0%	100%
2006	13.6%	15.2%	71.2%	100%
2007	14.3%	15.2%	70.5%	100%
2008	15.5%	15.2%	69.3%	100%
2009	17.1%	15.9%	67.0%	100%
2010	17.7%	16.8%	65.5%	100%
2011	18.2%	17.3%	64.5%	100%
2012	18.3%	18.0%	63.7%	100%
2013	18.8%	18.7%	62.5%	100%
2014	18.8%	18.6%	62.6%	100%
2015	18.8%	18.4%	62.8%	100%
2016	18.4%	18.8%	62.8%	100%
2017	17.0%	18.7%	64.3%	100%
2018	16.6%	19.2%	64.2%	100%
2019	16.5%	19.6%	63.9%	100%
2020	17.7%	22.6%	59.7%	100%
2021*	15.6%	23.6%	60.8%	100%

* Accident year 2021 experience is partial in that it only reflects experience from policy year 2020.

** Permanent indemnity consists of the death, permanent total, and permanent partial injury types.

Source: WCIRB unit statistical data

***COVID-19 claims have been excluded

Percentage of Claims Closed by Injury Type and Region

Permanent Partial & Temporary

Permanent Partial		Policy Year							Latest Year Reported Claim Distribution
Report Level	Region*	2014	2015	2016	2017	2018	2019	2020	
1	Bay Area	16%	18%	19%	20%	19%	21%	19%	11%
1	Los Angeles	17%	21%	24%	25%	26%	23%	23%	63%
1	San Diego	20%	23%	26%	27%	27%	25%	21%	7%
1	Remainder of CA	17%	20%	22%	23%	24%	21%	22%	19%
	ALL REGIONS COMBINED	17%	20%	23%	24%	25%	23%	22%	100%
2	Bay Area	41%	45%	47%	48%	44%	48%		11%
2	Los Angeles	40%	45%	51%	50%	48%	46%		64%
2	San Diego	46%	50%	53%	53%	50%	50%		7%
2	Remainder of CA	42%	47%	48%	48%	48%	45%		19%
	ALL REGIONS COMBINED	41%	46%	50%	50%	47%	47%		100%
3	Bay Area	62%	65%	66%	65%	63%			14%
3	Los Angeles	59%	65%	69%	66%	65%			59%
3	San Diego	67%	70%	75%	69%	66%			7%
3	Remainder of CA	62%	67%	68%	67%	65%			20%
	ALL REGIONS COMBINED	61%	66%	69%	66%	65%			100%
Temporary		Policy Year							Latest Year Reported Claim Distribution
Report Level	Region*	2014	2015	2016	2017	2018	2019	2020	
1	Bay Area	59%	60%	61%	62%	64%	63%	65%	14%
1	Los Angeles	50%	51%	52%	54%	53%	55%	58%	58%
1	San Diego	56%	57%	60%	62%	60%	62%	66%	8%
1	Remainder of CA	59%	60%	61%	61%	64%	65%	65%	20%
	ALL REGIONS COMBINED	55%	55%	57%	58%	58%	58%	61%	100%
2	Bay Area	77%	79%	79%	80%	82%	77%		12%
2	Los Angeles	70%	72%	73%	74%	71%	71%		61%
2	San Diego	76%	77%	80%	79%	76%	76%		8%
2	Remainder of CA	76%	77%	78%	81%	80%	80%		19%
	ALL REGIONS COMBINED	73%	75%	76%	77%	75%	74%		100%
3	Bay Area	89%	89%	89%	89%	90%			16%
3	Los Angeles	82%	84%	86%	85%	82%			55%
3	San Diego	88%	89%	88%	89%	85%			7%
3	Remainder of CA	86%	88%	90%	90%	89%			22%
	ALL REGIONS COMBINED	85%	86%	88%	87%	85%			100%

*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 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	---	---	---	---
Stipulated Award	<u>4,089</u>	15%	<u>19,133</u>	<u>13,835</u>	<u>32,967</u>	---	---	---	---
Total/Average	27,139		24,955	23,310	48,264	---	---	---	---
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%
Policy Year 2017									
	<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	21,745	84%	26,788	26,417	53,205	-5.2%	8.7%	12.4%	10.5%
Stipulated Award	<u>4,002</u>	16%	<u>19,441</u>	<u>14,659</u>	<u>34,100</u>	5.7%	-0.1%	2.7%	1.1%
Total/Average	25,747		25,646	24,589	50,235	-3.6%	7.3%	10.8%	8.9%
Policy Year 2018									
	<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	22,548	85%	27,254	26,988	54,241	3.7%	1.7%	2.2%	1.9%
Stipulated Award	<u>4,123</u>	15%	<u>19,637</u>	<u>14,397</u>	<u>34,035</u>	3.0%	1.0%	-1.8%	-0.2%
Total/Average	26,671		26,076	25,041	51,118	3.6%	1.7%	1.8%	1.8%

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 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	---	---	---	---
Stipulated Award	815	21%	20,917	14,169	35,085	---	---	---	---
Total/Average	3,923		30,348	26,785	57,133	---	---	---	---
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%
Policy Year 2017									
	<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	2,876	78%	32,933	33,846	66,779	-3.4%	5.5%	13.4%	9.4%
Stipulated Award	814	22%	18,774	14,006	32,780	-3.3%	-4.1%	-0.4%	-2.6%
Total/Average	3,690		29,810	29,469	59,279	-3.4%	4.1%	11.7%	7.8%
Policy Year 2018									
	<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	2,941	80%	35,512	35,295	70,807	2.3%	7.8%	4.3%	6.0%
Stipulated Award	735	20%	23,157	15,004	38,162	-9.7%	23.3%	7.1%	16.4%
Total/Average	3,676		33,041	31,238	64,280	-0.4%	10.8%	6.0%	8.4%

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 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	---	---	---	---
Stipulated Award	<u>1,823</u>	13%	<u>19,243</u>	<u>13,885</u>	<u>33,129</u>	---	---	---	---
Total/Average	14,376		23,580	21,438	45,018	---	---	---	---
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%
Policy Year 2017									
	<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	12,265	86%	24,923	23,281	48,204	-0.7%	5.2%	7.3%	6.2%
Stipulated Award	<u>1,940</u>	14%	<u>20,770</u>	<u>14,979</u>	<u>35,749</u>	<u>15.6%</u>	<u>1.3%</u>	<u>2.4%</u>	<u>1.8%</u>
Total/Average	14,205		24,356	22,147	46,503	1.3%	4.5%	6.2%	5.3%
Policy Year 2018									
	<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	13,498	86%	25,488	24,000	49,488	10.1%	2.3%	3.1%	2.7%
Stipulated Award	<u>2,227</u>	14%	<u>19,975</u>	<u>14,324</u>	<u>34,299</u>	<u>14.8%</u>	<u>-3.8%</u>	<u>-4.4%</u>	<u>-4.1%</u>
Total/Average	15,725		24,707	22,630	47,337	10.7%	1.4%	2.2%	1.8%

**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 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	---	---	---	---
Stipulated Award	<u>281</u>	<u>15%</u>	<u>17,050</u>	<u>12,991</u>	<u>30,041</u>	---	---	---	---
Total/Average	1,921		23,155	24,243	47,399	---	---	---	---
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%
Policy Year 2017									
	<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	1,572	85%	25,329	28,850	54,179	-43.5%	65.7%	88.9%	77.3%
Stipulated Award	<u>288</u>	15%	<u>18,191</u>	<u>15,654</u>	<u>33,845</u>	<u>5.9%</u>	<u>13.0%</u>	<u>12.1%</u>	<u>12.6%</u>
Total/Average	1,860		24,224	26,807	51,031	-39.1%	57.7%	76.8%	67.2%
Policy Year 2018									
	<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	1,514	84%	25,722	26,991	52,713	-3.7%	1.6%	-6.4%	-2.7%
Stipulated Award	<u>284</u>	16%	<u>14,612</u>	<u>13,565</u>	<u>28,177</u>	<u>-1.4%</u>	<u>-19.7%</u>	<u>-13.3%</u>	<u>-16.7%</u>
Total/Average	1,798		23,967	24,870	48,837	-3.3%	-1.1%	-7.2%	-4.3%

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 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	---	---	---	---
Stipulated Award	<u>1,170</u>	<u>17%</u>	<u>18,218</u>	<u>13,725</u>	<u>31,943</u>	---	---	---	---
Total/Average	6,919		25,254	24,968	50,222	---	---	---	---
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%
Policy Year 2017									
	<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	5,032	84%	28,277	29,056	57,333	4.3%	-0.5%	0.3%	-0.1%
Stipulated Award	<u>960</u>	<u>16%</u>	<u>17,695</u>	<u>14,267</u>	<u>31,961</u>	<u>-3.3%</u>	<u>-4.4%</u>	<u>2.5%</u>	<u>-1.5%</u>
Total/Average	5,992		26,582	26,686	53,268	3.0%	-0.5%	1.1%	0.3%
Policy Year 2018									
	<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	4,595	84%	27,659	30,445	58,104	-8.7%	-2.2%	4.8%	1.3%
Stipulated Award	<u>877</u>	<u>16%</u>	<u>17,456</u>	<u>14,345</u>	<u>31,801</u>	<u>-8.6%</u>	<u>-1.3%</u>	<u>0.5%</u>	<u>-0.5%</u>
Total/Average	5,472		26,024	27,865	53,889	-8.7%	-2.1%	4.4%	1.2%

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 & 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%
2020	65.2%	32.6%	2.2%
2021	66.6%	31.0%	2.3%

*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 2022 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%
2nd Qtr 2021	19.1%	9.0%	72.0%	6,773	41.9%
3rd Qtr 2021	16.5%	11.6%	71.9%	7,357	30.5%
4th Qtr 2021	13.0%	11.7%	75.3%	4,694	-21.7%
1st Qtr 2022	15.0%	11.7%	73.3%	6,008	-6.3%
2nd Qtr 2022	13.0%	10.7%	76.2%	5,200	-23.2%
3rd Qtr 2022	15.6%	9.4%	75.0%	5,116	-30.5%
4th Qtr 2022	13.9%	6.8%	79.3%	5,158	9.9%
1st Qtr 2023	13.1%	8.5%	78.4%	4,892	-18.6%
2nd Qtr 2023	12.6%	7.5%	79.9%	4,985	-4.1%

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%
2021	82.9%	16.0%	1.1%
2022	84.4%	14.4%	1.2%

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%
2021	82.1%	17.4%	0.5%
2022	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%
2021	82.6%	13.6%	3.8%
2022	83.7%	13.6%	2.7%

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	58.3	-11.4%
2015	64.4	10.5%
2016	56.1	-12.9%
2017	52.1	-7.1%
2018	49.7	-4.6%
2019	42.1	-15.3%
2020	16.4	-60.9%
2021	4.7	-71.4%

*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 2022 Annual Report

Liens Filed Counts***Counts by Region****

<u>Time Period</u>	<u>Bay Area</u>	<u>Central Coast/ Valley</u>	<u>Los Angeles County</u>	<u>Remainder of LA Basin</u>	<u>Remaining CA Zip Codes</u>	<u>Sacramento</u>	<u>San Diego County</u>	<u>Total</u>
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
2nd Qtr 2021	1,107	904	14,143	3,857	360	277	345	20,993
3rd Qtr 2021	1,056	807	16,129	4,140	386	275	324	23,117
4th Qtr 2021	1,056	752	12,745	3,691	324	289	272	19,129
1st Qtr 2022	1,028	814	12,998	3,767	339	285	302	19,533
2nd Qtr 2022	1,112	820	13,944	4,152	357	277	316	20,978
3rd Qtr 2022	1,162	780	15,537	4,904	270	280	332	23,265
4th Qtr 2022	1,192	752	14,986	5,192	471	574	320	23,487
1st Qtr 2023	1,024	765	15,958	5,115	369	308	377	23,916
2nd Qtr 2023	1,372	772	15,299	4,997	309	291	334	23,374

* 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

Source: EAMS Liens Data

Liens Filed Counts*

Counts by Type						
Time Period	Interpreter	Medical	Medical-Legal	Copy Service	Other***	Total
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	0	6,468	21,376
2nd Qtr 2021	15	14,598	15	0	6,365	20,993
3rd Qtr 2021	14	17,289	1	0	5,813	23,117
4th Qtr 2021	38	14,146	4	0	4,941	19,129
1st Qtr 2022	18	14,194	15	0	5,306	19,533
2nd Qtr 2022	11	15,165	8	0	5,794	20,978
3rd Qtr 2022	16	17,295	7	0	5,947	23,265
4th Qtr 2022	8	16,429	7	0	7,043	23,487
1st Qtr 2023	32	17,978	2	0	5,904	23,916
2nd Qtr 2023	15	16,255	9	0	7,095	23,374

* Lien Counts exclude SDI/EDD Liens

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

Source: EAMS Liens Data

**Aggregate Indemnity and Medical
Paid Share by Calendar Year**

Ratio to Total Paid Medical			Ratio to Total Paid Indemnity	
Calendar Year	Medicare Set-Asides	Medical Paid Directly to Injured Workers excl. MSA	Permanent Disability Benefits	Single Sum Settlement
2013	2.4%	19.9%	37.0%	12.0%
2014	2.8%	19.9%	34.9%	14.3%
2015	3.6%	21.0%	33.5%	16.0%
2016	4.7%	22.2%	33.0%	16.9%
2017	5.3%	22.2%	32.5%	17.3%
2018	6.1%	24.4%	32.7%	17.0%
2019	6.7%	24.4%	32.3%	16.7%
2020	6.7%	23.5%	31.0%	15.7%
2021	6.0%	24.3%	30.4%	15.4%
2022	4.6%	25.0%	28.1%	16.9%

Ratio to Earned Premium				
Calendar Year	Medicare Set-Asides	Medical Paid Directly to Injured Workers excl. MSA	Permanent Disability Benefits	Single Sum Settlement
2013	0.8%	7.1%	8.5%	2.8%
2014	0.8%	6.0%	7.2%	2.9%
2015	1.0%	5.8%	6.7%	3.2%
2016	1.2%	5.8%	6.5%	3.3%
2017	1.4%	5.8%	6.8%	3.6%
2018	1.6%	6.3%	7.0%	3.6%
2019	1.9%	6.8%	7.6%	3.9%
2020	2.0%	6.9%	8.1%	4.1%
2021	1.9%	7.7%	8.5%	4.3%
2022	1.3%	7.1%	7.2%	4.4%

Source: WCIRB Aggregate Indemnity and Medical financial data calls.

Reported Indemnity Claim Count Development – Statewide

Accident Year	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114	
2005										1.000
2006								1.000		1.001
2007							1.000	1.000		1.001
2008						1.002	1.001	1.002		1.001
2009					1.004	1.002	1.003	1.001		1.000
2010				1.008	1.005	1.004	1.002	1.000		1.000
2011			1.019	1.009	1.006	1.002	1.001	1.000		1.000
2012		1.073	1.020	1.011	1.004	1.002	1.001	1.000		1.000
2013	2.980	1.066	1.021	1.007	1.002	1.001	1.002	1.000		1.001
2014	2.915	1.073	1.014	1.005	1.003	1.001	1.000	1.000		1.001
2015	2.998	1.060	1.009	1.004	1.003	1.002	1.000	1.000		
2016	2.909	1.062	1.012	1.004	1.002	1.001	1.000			
2017	2.821	1.053	1.013	1.004	1.002	1.001				
2018	2.878	1.055	1.011	1.003	1.002					
2019	2.935	1.058	1.013	1.005						
2020	--	1.056	1.012							
2021	2.886	1.056								
2022	2.906									
Latest Year										
I. <u>Age-to-Age</u>	2.906	1.056	1.012	1.005	1.002	1.001	1.000	1.000	1.001	
II. <u>Age-to-Ultimate</u>	3.154	1.085	1.027	1.015	1.010	1.007	1.006	1.006	1.006	1.005
III. <u>Estimated Percent of Ultimate Indemnity Claims Reported</u>	31.7%	92.1%	97.3%	98.5%	99.0%	99.3%	99.4%	99.4%	99.4%	99.5%

Reported Total Claim Count Development – Statewide

Accident Year	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114	
2005										1.001
2006								1.001		1.001
2007							1.001	1.001		1.001
2008						1.002	1.001	1.001		1.000
2009					1.003	1.002	1.002	1.001		1.001
2010				1.005	1.003	1.002	1.002	1.000		1.001
2011			1.011	1.005	1.004	1.002	1.000	1.001		1.001
2012		1.035	1.011	1.006	1.003	1.002	1.001	1.001		1.000
2013	2.768	1.035	1.012	1.004	1.002	1.001	1.001	1.001		1.003
2014	2.808	1.038	1.009	1.004	1.002	1.001	1.001	1.002		1.003
2015	2.833	1.032	1.008	1.004	1.002	1.001	1.001	1.003		
2016	2.753	1.033	1.009	1.004	1.002	1.002	1.003			
2017	2.734	1.026	1.007	1.003	1.002	1.003				
2018	2.763	1.025	1.003	1.003	1.004					
2019	2.783	1.023	1.008	1.005						
2020	--	1.020	1.011							
2021	2.805	1.032								
2022	2.744									
Latest Year										
I. <u>Age-to-Age</u>	2.744	1.032	1.011	1.005	1.004	1.003	1.003	1.003	1.003	
II. <u>Age-to-Ultimate</u>	2.949	1.075	1.042	1.030	1.025	1.021	1.018	1.015	1.012	1.009
III. <u>Estimated Percent of Ultimate Total Claims Reported</u>	33.9%	93.0%	96.0%	97.1%	97.5%	97.9%	98.2%	98.5%	98.8%	99.1%

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

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>
2004									18.5%
2005								19.4%	24.2%
2006							20.8%	24.4%	20.4%
2007						22.8%	26.7%	22.0%	23.2%
2008					25.2%	27.9%	25.1%	25.6%	23.9%
2009				26.7%	28.4%	26.4%	27.6%	25.9%	22.7%
2010			27.0%	30.5%	28.7%	29.3%	28.4%	25.4%	24.8%
2011		26.5%	29.8%	30.7%	30.7%	29.1%	28.3%	28.3%	24.8%
2012	28.3%	28.5%	31.0%	31.8%	31.5%	31.0%	30.1%	27.2%	21.6%
2013	28.2%	30.1%	32.4%	34.2%	33.8%	31.8%	31.5%	25.3%	22.0%
2014	28.7%	31.6%	33.7%	36.1%	35.1%	32.3%	26.4%	25.1%	20.9%
2015	29.4%	33.7%	36.6%	38.0%	35.2%	26.9%	27.4%	23.6%	
2016	30.9%	35.8%	39.3%	38.2%	30.5%	28.0%	26.8%		
2017	33.3%	37.8%	39.0%	33.5%	31.7%	28.3%			
2018	33.8%	37.6%	34.5%	34.3%	32.5%				
2019	33.9%	32.9%	34.2%	35.6%					
2020	32.0%	33.2%	35.3%						
2021	34.4%	35.0%							
2022	34.8%								

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

Ratio of Incremental Closed Indemnity Claims to Prior Open Indemnity Claims

Accident Year	Development															
	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	
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%	10.3%	11.4%	
2015	4.0%	7.6%	10.4%	11.8%	10.6%	9.1%	9.7%	10.2%	11.2%	10.7%	11.2%	10.6%	11.7%	11.4%	11.3%	
2016	4.2%	7.6%	10.9%	12.5%	11.6%	10.0%	10.7%	10.0%	11.7%	11.3%	12.3%	11.8%	12.1%	11.1%	11.6%	
2017	4.7%	8.2%	12.2%	13.1%	12.1%	10.8%	11.5%	10.7%	11.8%	11.6%	12.0%	11.0%	9.6%	10.0%	9.7%	
2018	4.8%	8.5%	12.3%	13.2%	12.0%	10.8%	11.0%	10.6%	9.7%	9.9%	10.2%	9.7%	10.2%	9.9%	10.1%	
2019	4.7%	8.4%	12.4%	13.4%	10.0%	9.3%	9.4%	8.9%	9.8%	9.7%	10.0%	9.9%	10.6%	10.5%	10.3%	
2020	---	---	---	12.2%	11.2%	9.0%	9.3%	8.7%	9.9%	10.0%	10.5%	10.6%				
2021	5.2%	8.7%	12.0%	13.7%	11.8%	9.6%	9.7%	9.5%								
2022	5.0%	8.8%	12.3%	14.0%												

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 84% to 100% of the total California workers' compensation insured market measured using 2022 earned premium levels).

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

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
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%	0.12%
2013	0.89%	0.67%	0.47%	0.37%	0.23%	0.15%	0.13%
2014	0.84%	0.62%	0.41%	0.29%	0.22%	0.14%	
2015	0.74%	0.53%	0.36%	0.29%	0.20%		
2016	0.72%	0.44%	0.36%	0.28%			
2017	0.65%	0.41%	0.31%				
2018	0.69%	0.42%					
2019	0.71%						

PY/RL	Average Incurred for Reopened Claims						
	2nd	3rd	4th	5th	6th	7th	8th
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	74,099
2013	26,914	36,436	47,811	53,086	60,219	63,651	77,601
2014	28,634	38,942	45,984	54,521	70,329	71,668	
2015	28,197	35,267	46,876	55,518	67,141		
2016	28,193	36,474	45,133	54,238			
2017	28,298	36,829	49,853				
2018	29,813	39,174					
2019	27,416						

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
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%	0.48%	2012	1.51%	0.98%	0.80%	0.48%	0.30%	0.20%	0.11%
2013	3.35%	3.07%	2.02%	1.48%	0.86%	0.54%	0.46%	2013	1.47%	1.17%	0.68%	0.44%	0.27%	0.16%	0.14%
2014	3.16%	2.86%	1.67%	1.10%	0.86%	0.56%		2014	1.45%	1.01%	0.59%	0.35%	0.22%	0.16%	
2015	2.89%	2.18%	1.37%	1.09%	0.76%			2015	1.17%	0.88%	0.48%	0.38%	0.24%		
2016	1.70%	1.43%	1.32%	1.04%				2016	1.14%	0.72%	0.49%	0.36%			
2017	1.50%	1.40%	1.18%					2017	1.05%	0.74%	0.46%				
2018	1.36%	1.35%						2018	1.14%	0.69%					
2019	1.50%							2019	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
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%	0.29%	2012	0.75%	0.30%	0.19%	0.10%	0.07%	0.05%	0.03%
2013	1.73%	1.70%	1.19%	0.89%	0.54%	0.34%	0.29%	2013	0.68%	0.31%	0.17%	0.12%	0.07%	0.05%	0.04%
2014	1.70%	1.57%	1.01%	0.68%	0.52%	0.35%		2014	0.63%	0.28%	0.15%	0.09%	0.06%	0.03%	
2015	1.45%	1.29%	0.84%	0.69%	0.48%			2015	0.56%	0.25%	0.14%	0.09%	0.05%		
2016	1.24%	0.96%	0.83%	0.66%				2016	0.58%	0.24%	0.14%	0.09%			
2017	1.12%	0.94%	0.73%					2017	0.53%	0.22%	0.13%				
2018	1.17%	0.89%						2018	0.56%	0.24%					
2019	1.12%							2019	0.59%						

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
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%	0.12%
2013	0.89%	0.67%	0.47%	0.37%	0.23%	0.15%	0.13%
2014	0.84%	0.62%	0.41%	0.29%	0.22%	0.14%	
2015	0.74%	0.53%	0.36%	0.29%	0.20%		
2016	0.72%	0.44%	0.36%	0.28%			
2017	0.65%	0.41%	0.31%				
2018	0.69%	0.42%					
2019	0.71%						

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
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%	1.20%
2013	9.95%	5.69%	3.96%	4.21%	2.65%	1.62%	1.01%
2014	9.19%	5.12%	5.04%	3.13%	1.95%	1.19%	
2015	9.12%	6.18%	4.08%	2.37%	1.47%		
2016	9.33%	5.22%	3.03%	1.86%			
2017	7.81%	3.63%	2.28%				
2018	7.02%	3.28%					
2019	6.65%						

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
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%	7.14%
2013	1.41%	3.52%	6.09%	6.04%	7.55%	9.55%	7.23%
2014	1.62%	3.29%	5.50%	6.09%	7.81%	8.13%	
2015	1.60%	3.47%	5.91%	6.78%	6.90%		
2016	1.55%	3.20%	5.32%	6.48%			
2017	1.49%	3.13%	4.68%				
2018	1.52%	2.91%					
2019	1.30%						

Source: WCIRB unit statistical data

2022 Accident Year Indemnity Claim Frequency Model
As of PY 2020 1st Set & June 2023 UCLA

AY	Annual %	Annual Log Differences				Economic	
	Changes Intra-Class Ind Freq	Intra-Class Indemnity Frequency per \$M Exposure at PY 2020 Level			AY+1 Indemnity Benefit Level	Cumulative Injury Index	Variables (1st Prin. Comp.)
	Total	Total	Cumulative	Non-cum.			
1979	0.5%	0.005	-0.053	0.007	0.000	-0.060	0.129
1980	-6.5%	-0.068	-0.132	-0.066	0.000	-0.066	-0.079
1981	-3.5%	-0.036	-0.028	-0.036	0.033	0.008	-0.076
1982	-1.6%	-0.016	0.153	-0.022	0.000	0.175	-0.285
1983	6.2%	0.060	0.214	0.054	0.352	0.160	0.028
1984	9.5%	0.091	0.235	0.084	0.081	0.151	0.215
1985	2.0%	0.020	0.138	0.014	0.000	0.124	0.077
1986	-2.4%	-0.024	0.039	-0.028	0.000	0.067	0.075
1987	1.5%	0.015	0.053	0.013	0.000	0.041	0.145
1988	0.7%	0.007	0.104	0.000	0.000	0.104	0.084
1989	2.5%	0.024	0.212	0.009	0.000	0.203	0.042
1990	9.0%	0.087	0.337	0.061	0.046	0.276	-0.116
1991	0.3%	0.003	0.166	-0.018	0.071	0.184	-0.282
1992	-10.3%	-0.108	-0.263	-0.089	0.023	-0.174	-0.181
1993	-9.2%	-0.097	-0.175	-0.088	0.013	-0.088	-0.021
1994	-10.5%	-0.111	-0.167	-0.105	-0.057	-0.061	0.103
1995	-0.3%	-0.003	0.009	-0.004	0.061	0.013	0.089
1996	-6.8%	-0.070	-0.165	-0.061	0.053	-0.104	0.072
1997	-3.3%	-0.033	-0.026	-0.034	0.096	0.008	0.132
1998	-3.7%	-0.038	-0.020	-0.040	0.066	0.019	0.075
1999	1.5%	0.015	0.010	0.015	0.058	-0.005	0.122
2000	4.0%	0.039	0.101	0.033	0.040	0.068	0.063
2001	-6.9%	-0.072	0.106	-0.091	-0.003	0.197	-0.096
2002	-2.3%	-0.023	0.202	-0.055	-0.007	0.257	-0.194
2003	-2.9%	-0.029	0.028	-0.038	0.060	0.067	-0.022
2004	-16.7%	-0.182	-0.318	-0.161	-0.065	-0.158	0.090
2005	-13.6%	-0.146	-0.342	-0.120	-0.398	-0.222	0.135
2006	-5.6%	-0.058	-0.204	-0.042	0.051	-0.163	0.090
2007	-1.7%	-0.017	-0.042	-0.015	0.016	-0.027	-0.081
2008	-2.7%	-0.027	-0.012	-0.029	0.049	0.017	-0.296
2009	-0.2%	-0.002	0.134	-0.016	0.069	0.150	-0.414
2010	8.9%	0.085	0.115	0.081	0.016	0.034	-0.090
2011	1.2%	0.012	0.028	0.010	0.000	0.017	0.047
2012	4.7%	0.046	0.115	0.037	0.003	0.077	0.126
2013	0.4%	0.004	0.131	-0.014	0.019	0.145	0.154
2014	0.2%	0.002	0.046	-0.005	0.070	0.051	0.179
2015	-1.5%	-0.015	0.008	-0.018	0.000	0.026	0.194
2016	-2.7%	-0.027	0.032	-0.037	0.000	0.069	0.127
2017	-1.8%	-0.018	-0.069	-0.010	0.000	-0.060	0.130
2018	-0.3%	-0.003	-0.050	0.005	0.000	-0.055	0.127
2019	1.8%	0.018	0.047	0.014	0.000	0.033	0.045
2020	-10.4%	-0.110	0.058	-0.140	0.000	0.198	-0.913
2021*	12.8%	0.105	-0.223	0.171	0.000	-0.394	0.328
2022	4.3%	0.042	0.042	0.042	0.000	0.000	0.561
2023	-1.8%	-0.018	-0.018	-0.018	0.000	0.000	0.019
2024	-1.6%	-0.016	-0.016	-0.016	0.000	0.000	0.040
2025	-2.2%	-0.022	-0.022	-0.022	0.000	0.000	-0.016

Y = Hazardousness-Adjusted Noncumulative Indemnity Claim Frequency

Constant -0.020
Std Err of Y Est 0.044
R Squared 0.393
No. of Observations 41
Degrees of Freedom 37

X Coefficient(s) 0.187 0.201 0.110
Std Err of Coef. 0.082 0.067 0.048

Notes:

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

The Indemnity Benefit Level variable excludes indemnity benefit utilization, cost-of-living adjustments, 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 Actuarial Committee item AC14-03-19.

The definition of cumulative claims has been further amended to include claims coded with certain nature of injury codes in USR. See Actuarial Committee item AC21-12-09.

Economic variables are historical through 2022; June 2023 UCLA Anderson Forecasts for 2023 on.

The indicator variable for Cal-OSHA inspections has been moved into an on-level adjustment. See Actuarial Committee item AC21-12-09.

Regression is over AY 1979 through AY 2021, excluding 2020 and 2021. AY 2022 through AY 2025 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 2021 change is based on a comparison of 2021 accidents on 2020 policies to 2020 accidents on 2019 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	0.347	0.921	0.551	---	---	---
1980	0.325	0.914	0.511	-6.54%	-0.75%	-7.24%
1981	0.313	0.900	0.485	-3.54%	-1.56%	-5.04%
1982	0.308	0.882	0.468	-1.59%	-2.00%	-3.56%
1983	0.327	0.873	0.492	6.20%	-0.98%	5.17%
1984	0.358	0.871	0.538	9.53%	-0.18%	9.32%
1985	0.366	0.867	0.546	2.05%	-0.51%	1.52%
1986	0.357	0.859	0.528	-2.38%	-0.92%	-3.28%
1987	0.363	0.854	0.533	1.53%	-0.56%	0.97%
1988	0.365	0.854	0.537	0.69%	-0.06%	0.64%
1989	0.374	0.853	0.549	2.47%	-0.08%	2.39%
1990	0.408	0.845	0.594	9.04%	-0.89%	8.07%
1991	0.409	0.832	0.586	0.28%	-1.58%	-1.30%
1992	0.367	0.813	0.514	-10.27%	-2.34%	-12.37%
1993	0.333	0.752	0.431	-9.21%	-7.46%	-15.98%
1994	0.298	0.733	0.376	-10.52%	-2.56%	-12.81%
1995	0.297	0.702	0.359	-0.28%	-4.22%	-4.49%
1996	0.277	0.693	0.331	-6.78%	-1.25%	-7.94%
1997	0.268	0.685	0.316	-3.29%	-1.23%	-4.48%
1998	0.258	0.680	0.302	-3.73%	-0.60%	-4.31%
1999	0.262	0.670	0.302	1.48%	-1.49%	-0.02%
2000	0.272	0.651	0.305	3.96%	-2.91%	0.93%
2001	0.253	0.652	0.284	-6.91%	0.13%	-6.78%
2002	0.248	0.660	0.282	-2.31%	1.34%	-1.00%
2003	0.241	0.662	0.274	-2.85%	0.20%	-2.66%
2004	0.200	0.660	0.228	-16.67%	-0.21%	-16.84%
2005	0.173	0.658	0.196	-13.59%	-0.31%	-13.86%
2006	0.164	0.653	0.184	-5.60%	-0.81%	-6.37%
2007	0.161	0.649	0.179	-1.71%	-0.68%	-2.38%
2008	0.156	0.641	0.173	-2.71%	-1.18%	-3.86%
2009	0.156	0.629	0.169	-0.20%	-1.82%	-2.02%
2010	0.170	0.617	0.181	8.87%	-1.87%	6.83%
2011	0.172	0.609	0.180	1.22%	-1.42%	-0.22%
2012	0.180	0.601	0.186	4.71%	-1.20%	3.45%
2013	0.181	0.599	0.186	0.36%	-0.36%	0.00%
2014	0.181	0.600	0.187	0.17%	0.21%	0.38%
2015	0.178	0.597	0.183	-1.46%	-0.59%	-2.04%
2016	0.174	0.593	0.177	-2.65%	-0.74%	-3.37%
2017	0.170	0.588	0.173	-1.80%	-0.73%	-2.52%
2018	0.170	0.585	0.171	-0.29%	-0.53%	-0.81%
2019	0.173	0.575	0.171	1.84%	-1.79%	0.01%
2020(c)	0.155	0.581	0.155	-10.45%	1.08%	-9.48%
2020(d)	0.148	0.581	0.148	---	---	---
2021(e)	0.167	0.583	0.168	12.76%	0.37%	13.17%
2022	0.182	0.584	0.175	4.27%	0.21%	4.49%
2023	0.178	0.586	0.172	-1.78%	0.23%	-1.55%
2024	0.176	0.584	0.169	-1.55%	-0.26%	-1.81%
2025	0.172	0.579	0.164	-2.16%	-0.79%	-2.93%
PY						
2008	0.156	0.636	0.171			
2009	0.162	0.624	0.174	3.99%	-1.85%	2.02%
2010	0.171	0.613	0.180	5.17%	-1.67%	3.46%
2011	0.176	0.605	0.183	2.84%	-1.32%	1.47%
2012	0.180	0.600	0.186	2.65%	-0.81%	1.83%
2013	0.181	0.600	0.187	0.27%	-0.10%	0.18%
2014	0.180	0.599	0.185	-0.58%	-0.16%	-0.74%
2015	0.176	0.595	0.180	-2.01%	-0.66%	-2.65%
2016	0.172	0.589	0.174	-2.39%	-0.98%	-3.34%
2017	0.171	0.580	0.171	-0.29%	-1.50%	-1.80%
2018	0.165	0.577	0.164	-3.89%	-0.48%	-4.38%
2019	0.152	0.581	0.152	-7.86%	0.58%	-7.30%
2020	0.157	0.582	0.157	3.28%	0.17%	3.47%
2021	0.174	0.583	0.171	10.80%	0.29%	8.89%
2022	0.180	0.585	0.174	3.68%	0.22%	1.63%
2023	0.177	0.585	0.171	-1.67%	0.00%	-1.67%
2024	0.174	0.582	0.167	-1.83%	-0.51%	-2.32%

Notes: (a) All frequencies are per \$M exposure at PY 2021 Level.

(b) Index is to AY 1961. Index has been revised due to on-leveling reassessments for Cal-OSHA inspections. See Actuarial Committee item AC21-12-09.

(c) 2020 accidents on 2020 and 2019 policies.

(d) 2020 accidents on 2019 policies only.

(e) AY 2021 percent changes are based on a comparison of 2021 accidents on 2020 policies to 2020 accidents on 2019 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.		Ind. Freq Annual Change
	Medical-Only	Indemnity	Total					Annual Change	Indemnity Frequency	
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%
2020	43,779	42,724	86,503	0.494	23.6%	2,338,320	0.037	0.6%	0.018	24.3%
2021	48,766	44,664	93,430	0.478	-3.2%	2,384,554	0.039	5.9%	0.019	2.5%
2022	52,300	51,978	104,278	0.498	4.3%	2,419,478	0.043	10.0%	0.021	14.7%

Public Self-Insured Employers

FY	Number of Cases Reported During Year			Indemnity /Total	Annual Change	Public Employees	Total Frequency	Total Freq.		Ind. Freq Annual Change
	Medical-Only	Indemnity	Total					Annual Change	Indemnity Frequency	
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%
2020/2021	40,374	66,787	107,161	0.623	16.5%	1,998,664	0.054	3.7%	0.033	20.8%
2021/2022	52,456	92,220	144,676	0.637	2.3%	2,017,072	0.072	33.8%	0.046	36.8%

All Self-Insured Employers

CY	Number of Cases Reported During Year			Indemnity /Total	Annual Change	All Self-Ins. Employees	Total Frequency	Total Freq.		Ind. Freq Annual Change	Insured System	
	Medical-Only	Indemnity	Total					Annual Change	Indemnity Frequency		AY	Ind. Freq Annual Change
2001	138,765	105,024	243,789	0.431	---	3,491,659	0.070	---	0.030	---	2001	-6.9%
2002	139,809	109,084	248,892	0.438	1.7%	3,543,887	0.070	0.6%	0.031	2.3%	2002	-2.3%
2003	139,035	111,106	250,141	0.444	1.3%	4,199,255	0.060	-15.2%	0.026	-14.0%	2003	-2.9%
2004	139,781	102,695	242,476	0.424	-4.6%	4,379,772	0.055	-7.1%	0.023	-11.4%	2004	-16.7%
2005	134,539	94,497	229,036	0.413	-2.6%	4,531,486	0.051	-8.7%	0.021	-11.1%	2005	-13.6%
2006	135,380	87,164	222,544	0.392	-5.1%	4,438,155	0.050	-0.8%	0.020	-5.8%	2006	-5.6%
2007	129,606	84,388	213,994	0.394	0.7%	4,185,905	0.051	2.0%	0.020	2.6%	2007	-1.7%
2008	129,248	90,238	219,486	0.411	4.3%	4,410,364	0.050	-2.7%	0.020	1.5%	2008	-2.7%
2009	118,024	87,016	205,039	0.424	3.2%	4,241,253	0.048	-2.9%	0.021	0.3%	2009	-0.2%
2010	112,958	86,298	199,255	0.433	2.1%	4,126,124	0.048	-0.1%	0.021	1.9%	2010	8.9%
2011	109,839	86,357	196,196	0.440	1.6%	4,020,445	0.049	1.1%	0.021	2.7%	2011	1.2%
2012	110,219	84,995	195,214	0.435	-1.1%	4,017,726	0.049	-0.4%	0.021	-1.5%	2012	4.7%
2013	105,725	86,201	191,926	0.449	3.2%	4,232,408	0.045	-6.7%	0.020	-3.7%	2013	0.4%
2014	103,545	87,841	191,385	0.459	2.2%	4,384,096	0.044	-3.7%	0.020	-1.6%	2014	0.2%
2015	101,940	89,057	190,997	0.466	1.6%	4,289,307	0.045	2.0%	0.021	3.6%	2015	-1.5%
2016	105,820	88,625	194,445	0.456	-2.2%	4,472,667	0.043	-2.4%	0.020	-4.6%	2016	-2.7%
2017	107,470	88,246	195,716	0.451	-1.1%	4,359,334	0.045	3.3%	0.020	2.2%	2017	-1.8%
2018	107,895	91,672	199,567	0.459	1.9%	4,357,292	0.046	2.0%	0.021	3.9%	2018	-0.3%
2019	105,285	92,366	197,651	0.467	1.7%	4,436,133	0.045	-2.7%	0.021	-1.0%	2019	1.8%
2020	89,091	105,033	194,124	0.541	15.8%	4,383,199	0.044	-0.6%	0.024	15.1%	2020	-10.4%
2021	95,181	124,168	219,349	0.566	4.6%	4,392,422	0.050	12.8%	0.028	18.0%	2021	12.8%

Including COVID-19 claims:

Notes: Fiscal Year Public data prorated to CYs 50%/50%.
Insured System AY 2021 change is based on a comparison of 2021 accidents on 2020 policies to 2020 accidents on 2019 policies.

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

2020 2.6%
2021 9.2%

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	5	0.989253	0.685443	-1.0747
2016	5	0.995446	0.682321	-0.4554
2017	Proj to 5th	0.990423	0.675786	-0.9577
2018	Proj to 5th	0.998311	0.674645	-0.1689
2019	Proj to 5th	0.968546	0.653424	-3.1454
2020	Proj to 5th	1.046269	0.683657	4.6269

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 Calendar Year	from Same Quarter at Prior Calendar Year	from Same Quarter at Prior Calendar Year	from Same Quarter at Prior Calendar Year
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	-19.8%	-3.1%	13.5%	9.4%
6/30/2018	-2.1%	-4.6%	-1.4%	7.4%
9/30/2018	7.4%	-2.9%	10.2%	8.7%
12/31/2018	3.6%	-2.5%	5.0%	6.7%
3/31/2019	26.1%	7.6%	-5.8%	2.1%
6/30/2019	2.8%	8.9%	7.3%	4.2%
9/30/2019	2.0%	7.4%	-3.1%	0.7%
12/31/2019	1.3%	6.7%	25.9%	6.1%
3/31/2020	1.8%	2.0%	-20.8%	2.8%
6/30/2020	-13.8%	-2.2%	-40.4%	-8.8%
9/30/2020	5.1%	-1.4%	-28.7%	-15.7%
12/31/2020	12.0%	1.3%	-14.9%	-25.5%
3/31/2021	6.8%	2.5%	-33.5%	-28.0%
6/30/2021	12.0%	8.9%	34.1%	-14.6%
9/30/2021	-4.3%	6.1%	35.0%	0.9%
12/31/2021	-12.8%	-0.5%	-9.6%	3.8%
3/31/2022	8.4%	0.0%	50.3%	20.5%
6/30/2022	9.3%	-0.4%	9.8%	15.2%
9/30/2022	0.5%	0.9%	2.7%	7.0%
12/31/2022	4.2%	5.5%	-9.9%	7.5%
3/31/2023	-7.2%	1.4%	7.4%	1.7%
6/30/2023	3.8%	0.2%	-8.9%	-2.7%

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

Economic Variables

CY	Aggregate Employment	Unemployment Rate	Annual Log Differences		Economic Variables 1st Prin. Comp.
			Aggregate Employment	Unemployment Rate	
1961	3,961,326	6.90			
1962	4,144,745	5.80	0.045	-0.174	
1963	4,291,891	6.00	0.035	0.034	-0.030
1964	4,424,230	6.00	0.030	0.000	0.003
1965	4,544,521	5.90	0.027	-0.017	0.020
1966	4,791,647	4.90	0.053	-0.186	0.191
1967	4,926,775	5.70	0.028	0.151	-0.147
1968	5,132,121	5.40	0.041	-0.054	0.058
1969	5,366,676	5.20	0.045	-0.038	0.043
1970	5,333,966	7.30	-0.006	0.339	-0.338
1971	5,282,508	9.03	-0.010	0.213	-0.213
1972	6,019,724	7.85	0.131	-0.140	0.154
1973	6,497,564	7.26	0.076	-0.078	0.086
1974	6,706,258	7.55	0.032	0.038	-0.034
1975	6,681,999	10.12	-0.004	0.293	-0.292
1976	7,257,699	9.41	0.083	-0.072	0.081
1977	7,678,258	8.50	0.056	-0.102	0.108
1978	9,198,651	7.35	0.181	-0.144	0.164
1979	9,617,165	6.49	0.044	-0.125	0.129
1980	10,264,367	7.08	0.065	0.087	-0.079
1981	10,403,218	7.66	0.013	0.079	-0.076
1982	10,230,125	10.19	-0.017	0.285	-0.285
1983	10,329,790	9.92	0.010	-0.027	0.028
1984	10,820,773	8.03	0.046	-0.211	0.215
1985	11,172,927	7.46	0.032	-0.074	0.077
1986	11,483,720	6.94	0.027	-0.072	0.075
1987	11,887,954	6.02	0.035	-0.141	0.145
1988	12,355,097	5.56	0.039	-0.080	0.084
1989	12,686,661	5.34	0.026	-0.040	0.042
1990	12,940,618	6.02	0.020	0.119	-0.116
1991	12,776,149	7.98	-0.013	0.283	-0.282
1992	12,576,181	9.56	-0.016	0.180	-0.181
1993	12,477,184	9.76	-0.008	0.020	-0.021
1994	12,609,722	8.81	0.011	-0.103	0.103
1995	12,867,186	8.07	0.020	-0.087	0.089
1996	13,225,228	7.53	0.027	-0.069	0.072
1997	13,619,454	6.61	0.029	-0.130	0.132
1998	14,082,758	6.16	0.033	-0.072	0.075
1999	14,479,553	5.47	0.028	-0.119	0.122
2000	14,992,044	5.15	0.035	-0.059	0.063
2001	15,097,826	5.68	0.007	0.098	-0.096
2002	14,972,320	6.90	-0.008	0.194	-0.194
2003	14,950,481	7.05	-0.001	0.022	-0.022
2004	15,130,245	6.45	0.012	-0.089	0.090
2005	15,421,989	5.65	0.019	-0.133	0.135
2006	15,697,725	5.17	0.018	-0.089	0.090
2007	15,843,794	5.61	0.009	0.082	-0.081
2008	15,689,191	7.55	-0.010	0.297	-0.296
2009	14,807,734	11.38	-0.058	0.410	-0.414
2010	14,664,300	12.45	-0.010	0.089	-0.090
2011	14,826,183	11.89	0.011	-0.046	0.047
2012	15,161,742	10.51	0.022	-0.124	0.126
2013	15,564,058	9.03	0.026	-0.152	0.154
2014	15,991,142	7.56	0.027	-0.177	0.179
2015	16,471,633	6.24	0.030	-0.192	0.194
2016	16,904,692	5.50	0.026	-0.125	0.127
2017	17,250,233	4.84	0.020	-0.129	0.130
2018	17,595,342	4.27	0.020	-0.126	0.127
2019	17,855,308	4.08	0.015	-0.043	0.045
2020	16,592,333	10.15	-0.073	0.911	-0.913
2021	17,157,792	7.32	0.034	-0.326	0.328
2022	18,116,550	4.19	0.054	-0.558	0.561
2023	18,481,497	4.12	0.020	-0.017	0.019
2024	18,703,271	3.97	0.012	-0.038	0.040
2025	18,991,235	4.04	0.015	0.018	-0.016

Notes: The first principal component is of the annual log difference data from 1962-2022.

The first principal component of the annual log difference of the economic variables is:

1st PC of Econ Variables = 0.1137285 x Aggregate Employment + -0.9935119 x Unemployment Rate

Sources: Government historical labor statistics through 2022

UCLA Anderson forecasts through 2025 are as of June 2023

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

Cumulative Injury Share of Total Indemnity Count (excluding COVID claims)

AY/RL	1	2	3	4	5	6	7	8	9	10	Developed
2006	6.7%	7.5%	8.1%	8.5%	8.8%	8.8%	8.9%	8.9%	8.9%	9.0%	9.0%
2007	7.2%	8.2%	8.8%	9.2%	9.4%	9.5%	9.5%	9.5%	9.5%	9.6%	9.6%
2008	7.8%	8.9%	9.6%	10.0%	10.1%	10.1%	10.2%	10.3%	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%	12.0%
2010	10.1%	11.2%	11.6%	11.8%	11.9%	12.1%	12.2%	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%	12.3%	12.3%
2012	10.2%	11.6%	12.0%	12.4%	12.7%	12.9%	12.9%	12.9%	12.9%	13.0%	13.1%
2013	11.6%	12.9%	13.6%	14.0%	14.2%	14.2%	14.2%	14.3%	14.3%		14.4%
2014	12.0%	13.6%	14.2%	14.5%	14.5%	14.5%	14.6%	14.7%			14.8%
2015	12.3%	14.0%	14.4%	14.5%	14.6%	14.7%	14.8%				14.9%
2016	12.6%	15.1%	15.5%	15.7%	15.8%	15.9%					16.1%
2017	12.1%	13.8%	14.3%	14.6%	14.8%						15.1%
2018	11.8%	13.5%	13.9%	14.3%							14.6%
2019	12.4%	14.0%	14.7%								15.2%
2020	14.3%	16.8%									18.0%
2021	13.0%										14.9%

Cumulative injury claims include occupational disease.

Source: WCIRB unit statistical data

Claim Count Ratios by Region Based on Unit Statistical Data at 1st Report Level (excluding COVID claims)

Region	Ratio of Permanent Disability Claims to Indemnity Claims for Accident Year														
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Bay Area	0.283	0.296	0.305	0.313	0.323	0.309	0.293	0.302	0.310	0.299	0.284	0.278	0.276	0.251	0.203
Los Angeles/LA Basin	0.388	0.405	0.405	0.397	0.403	0.398	0.369	0.374	0.392	0.381	0.375	0.350	0.331	0.322	0.255
San Diego	0.329	0.336	0.362	0.356	0.357	0.361	0.327	0.348	0.360	0.345	0.353	0.333	0.316	0.281	0.252
All Other	0.299	0.320	0.315	0.325	0.320	0.314	0.290	0.302	0.315	0.301	0.293	0.296	0.310	0.288	0.225
All Regions	0.339	0.357	0.360	0.360	0.363	0.358	0.332	0.341	0.355	0.343	0.334	0.323	0.319	0.303	0.242

Region	Annual Change														
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Bay Area	---	4.4%	3.1%	2.5%	3.3%	-4.4%	-5.2%	3.0%	2.7%	-3.5%	-4.9%	-2.2%	-0.9%	-8.9%	-19.3%
Los Angeles/LA Basin	---	4.3%	-0.1%	-2.1%	1.6%	-1.3%	-7.2%	1.4%	4.8%	-2.8%	-1.5%	-6.6%	-5.4%	-2.7%	-20.8%
San Diego	---	2.2%	7.6%	-1.5%	0.2%	1.1%	-9.3%	6.2%	3.4%	-4.1%	2.3%	-5.7%	-5.0%	-11.1%	-10.1%
All Other	---	7.1%	-1.6%	3.3%	-1.7%	-1.8%	-7.8%	4.2%	4.4%	-4.4%	-2.9%	1.1%	4.8%	-7.1%	-21.8%
All Regions	---	5.3%	0.9%	0.0%	0.8%	-1.5%	-7.3%	2.7%	4.2%	-3.5%	-2.5%	-3.3%	-1.3%	-4.9%	-20.2%

Region	Ratio of Indemnity Claims to Total Claims for Accident Year														
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Bay Area	0.289	0.295	0.307	0.315	0.323	0.322	0.331	0.328	0.333	0.334	0.333	0.341	0.335	0.390	0.395
Los Angeles/LA Basin	0.305	0.316	0.341	0.352	0.359	0.372	0.389	0.393	0.391	0.391	0.371	0.369	0.366	0.405	0.394
San Diego	0.260	0.272	0.285	0.303	0.313	0.327	0.329	0.329	0.327	0.327	0.315	0.318	0.311	0.364	0.353
All Other	0.294	0.300	0.313	0.321	0.329	0.330	0.343	0.339	0.331	0.332	0.319	0.313	0.323	0.362	0.367
All Regions	0.295	0.304	0.323	0.333	0.340	0.348	0.361	0.361	0.358	0.358	0.344	0.345	0.348	0.391	0.385

Region	Annual Change														
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Bay Area	---	2.3%	3.9%	2.7%	2.4%	-0.2%	2.8%	-0.8%	1.4%	0.3%	-0.4%	2.4%	-1.8%	16.6%	1.2%
Los Angeles/LA Basin	---	3.8%	7.9%	3.3%	1.7%	3.7%	4.7%	0.9%	-0.4%	-0.2%	-5.1%	-0.5%	-0.7%	10.7%	-2.7%
San Diego	---	4.7%	4.6%	6.4%	3.5%	4.3%	0.5%	0.0%	-0.6%	0.1%	-3.5%	0.8%	-2.2%	17.1%	-3.1%
All Other	---	2.2%	4.2%	2.7%	2.3%	0.4%	3.9%	-1.3%	-2.3%	0.3%	-3.9%	-1.8%	3.2%	11.9%	1.2%
All Regions	---	3.2%	6.0%	3.3%	2.1%	2.2%	3.8%	0.0%	-0.8%	0.0%	-4.0%	0.3%	1.0%	12.3%	-1.5%

Region	Cumulative Injury Claims per 100 Indemnity Claims for Accident Year														
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Bay Area	7.51	7.55	8.20	8.18	8.21	7.73	9.12	8.74	8.04	8.05	8.11	7.34	8.05	7.87	6.49
Los Angeles/LA Basin	8.50	8.90	10.60	11.63	11.26	12.52	14.89	15.62	16.18	16.58	16.62	15.13	14.72	17.81	14.61
San Diego	6.43	6.96	7.30	9.20	8.51	8.77	11.76	12.44	12.22	12.17	12.08	11.79	13.01	12.12	11.98
All Other	4.86	4.86	5.77	6.30	5.94	6.15	7.02	7.12	6.79	6.66	6.43	7.15	6.31	6.62	6.71
All Regions	7.09	7.37	8.61	9.39	9.04	9.69	11.51	11.90	11.89	12.02	11.77	11.46	12.04	13.83	11.75

Region	Annual Change														
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Bay Area	---	0.5%	8.7%	-0.3%	0.4%	-5.8%	18.0%	-4.1%	-8.0%	0.1%	0.7%	-9.4%	9.6%	-2.3%	-17.5%
Los Angeles/LA Basin	---	4.8%	19.1%	9.6%	-3.1%	11.2%	18.9%	4.9%	3.6%	2.5%	0.2%	-9.0%	-2.7%	21.0%	-18.0%
San Diego	---	8.4%	4.8%	26.1%	-7.6%	3.0%	34.2%	5.8%	-1.8%	-0.4%	-0.8%	-2.4%	10.4%	-6.9%	-1.2%
All Other	---	-0.1%	18.8%	9.2%	-5.8%	3.6%	14.1%	1.5%	-4.7%	-1.9%	-3.4%	11.1%	-11.7%	4.9%	1.3%
All Regions	---	4.0%	16.9%	9.1%	-3.8%	7.2%	18.8%	3.3%	0.0%	1.0%	-2.1%	-2.6%	5.0%	14.9%	-15.0%

Cumulative injury claims include occupational disease.

Source: WCIRB unit statistical data

Ratio of Total Indemnity Claim Counts to Total Claim Counts

Accident	Evaluated as of (in months):									
<u>Year</u>	<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>
2006									0.289	0.289
2007								0.297	0.297	0.297
2008							0.308	0.308	0.309	0.309
2009						0.331	0.331	0.332	0.332	0.331
2010					0.347	0.347	0.348	0.348	0.348	0.348
2011				0.357	0.359	0.360	0.360	0.360	0.360	0.360
2012			0.359	0.364	0.366	0.366	0.366	0.366	0.366	0.366
2013		0.354	0.370	0.374	0.375	0.376	0.376	0.375	0.376	0.375
2014	0.338	0.351	0.368	0.371	0.371	0.372	0.371	0.372	0.371	0.370
2015	0.325	0.352	0.368	0.369	0.370	0.369	0.370	0.369	0.368	
2016	0.338	0.353	0.368	0.370	0.370	0.371	0.371	0.370		
2017	0.333	0.339	0.353	0.355	0.357	0.356	0.356			
2018	0.322	0.340	0.355	0.359	0.359	0.359				
2019	0.326	0.347	0.360	0.363	0.364					
2020	0.328	0.386	0.403	0.406						
2021	0.373	0.378	0.393							
2022	0.362	0.384								
2023	0.371									

Source: WCIRB quarterly calls for experience

Distribution of Cumulative Injury Claims by Injury Type (excluding COVID claims)

Permanent Indemnity*

Percentage of All Cumulative Injury Claims						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2001	30.8%	34.5%	37.0%	38.0%	38.4%	2001	---	---	---	---	---
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%	44.5%	2015	2.8%	-1.0%	-1.9%	-2.2%	-2.9%
2016	35.2%	44.5%	46.0%	46.5%	46.7%	2016	-5.5%	4.2%	4.1%	4.3%	4.9%
2017	32.8%	39.6%	41.4%	42.2%	47.5%	2017	-6.9%	-10.9%	-10.0%	-9.2%	1.7%
2018	31.4%	36.6%	38.6%	41.0%		2018	-4.1%	-7.5%	-6.9%	-3.0%	
2019	32.8%	37.6%	40.3%			2019	4.5%	2.8%	4.7%		
2020	37.1%	44.9%				2020	13.0%	19.3%			
2021	29.8%					2021	-19.8%				

Temporary Indemnity

Percentage of All Cumulative Injury Claims						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2001	19.7%	17.9%	17.0%	15.9%	15.3%	2001	---	---	---	---	---
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%	18.6%	2015	-7.8%	-4.2%	-2.7%	-3.5%	-2.6%
2016	26.3%	21.5%	19.7%	18.9%	18.5%	2016	2.9%	-0.2%	-0.4%	-0.5%	-0.6%
2017	26.3%	22.3%	20.9%	20.2%	17.6%	2017	0.1%	3.9%	5.7%	7.2%	-4.9%
2018	26.6%	24.1%	22.4%	20.2%		2018	1.1%	8.0%	7.4%	-0.1%	
2019	26.3%	24.0%	22.1%			2019	-1.1%	-0.5%	-1.5%		
2020	29.2%	28.4%				2020	10.9%	18.3%			
2021	32.6%					2021	11.7%				

Medical-Only

Percentage of All Cumulative Injury Claims						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2001	49.5%	47.6%	46.0%	46.2%	46.3%	2001	---	---	---	---	---
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%	36.8%	2015	3.2%	4.1%	4.0%	4.9%	5.2%
2016	38.5%	34.0%	34.3%	34.6%	34.8%	2016	3.5%	-4.9%	-4.8%	-5.0%	-5.6%
2017	40.9%	38.0%	37.7%	37.6%	34.9%	2017	6.2%	11.8%	10.1%	8.5%	0.3%
2018	42.0%	39.2%	39.0%	38.8%		2018	2.6%	3.1%	3.4%	3.4%	
2019	40.9%	38.3%	37.6%			2019	-2.7%	-2.3%	-3.7%		
2020	33.7%	26.7%				2020	-17.5%	-30.4%			
2021	39.1%					2021	16.0%				

* Includes Permanent Partial, Permanent Total, and Death

Cumulative injury claims include occupational disease.

Source: WCIRB unit statistical data

Indemnity Claim Frequency Relativities by NAICS Sector - excluding COVID-19

NAICS Sector	NAICS Name	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
11&21	Agriculture & Mining	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	3.620	3.470	3.501
23	Construction	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	2.039	2.022	2.190
31	Manufacturing	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	2.099	2.037	2.027
42	Wholesale	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	4.712	4.441	4.165
44	Retail	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	2.317	2.198	2.104
22&48	Utilities & Transportation	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	4.031	4.297	5.025
51	Information	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	1.086	0.960	0.875
52	Finance	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	0.219	0.153	0.102
53	Real Estate	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	0.977	0.874	0.864
54	Prof. Services	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	0.073	0.077	0.110
56	Administrative	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	3.956	3.804	3.851
61	Education	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	0.779	0.601	0.440
62	Health	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	1.189	1.157	1.222
71	Hospitality	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	1.967	1.881	1.928
72	Entertainment	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	3.308	3.163	3.076
81	Other Services	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	1.884	1.723	1.615
8742	Outside Sales	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	0.176	0.142	0.119
92&8810	Clerical & Public Admin.	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	0.136	0.103	0.081

NAICS Sector	NAICS Name	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
11&21	Agriculture & Mining	--	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%	2.8%	-4.1%	0.9%
23	Construction	--	-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%	2.1%	-0.9%	8.3%
31	Manufacturing	--	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%	4.9%	-2.9%	-0.5%
42	Wholesale	--	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%	11.7%	-5.8%	-6.2%
44	Retail	--	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%	7.4%	-5.1%	-4.3%
22&48	Utilities & Transportation	--	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%	5.8%	6.6%	17.0%
51	Information	--	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%	0.3%	-11.7%	-8.9%
52	Finance	--	-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%	-7.7%	-30.1%	-33.5%
53	Real Estate	--	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%	1.4%	-10.6%	-1.1%
54	Prof. Services	--	-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%	-10.3%	5.7%	42.4%
56	Administrative	--	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%	1.9%	-3.8%	1.2%
61	Education	--	-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%	-1.8%	-22.8%	-26.8%
62	Health	--	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%	2.7%	-2.7%	5.6%
71	Hospitality	--	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%	1.6%	-4.4%	2.5%
72	Entertainment	--	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%	5.5%	-4.4%	-2.7%
81	Other Services	--	-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%	6.8%	-8.5%	-6.2%
8742	Outside Sales	--	-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%	-3.8%	-19.5%	-16.1%
92&8810	Clerical & Public Admin.	--	-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%	-5.6%	-24.0%	-21.8%

Figures in italics are based on partial data.
COVID-19 claims have been excluded.

Indemnity Claim Frequency by Geographic Region

Bay Area

Indemnity Claim Frequency per \$100M of Exposure at AY 2021 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2004	15.74	15.94	16.00	16.21	16.26	2004	---	---	---	---	---
2005	13.89	13.92	14.15	14.21	14.19	2005	-11.8%	-12.6%	-11.6%	-12.4%	-12.8%
2006	12.70	12.95	13.06	13.08	13.08	2006	-8.6%	-7.0%	-7.7%	-8.0%	-7.8%
2007	11.91	12.13	12.20	12.25	12.28	2007	-6.2%	-6.3%	-6.6%	-6.3%	-6.1%
2008	10.96	11.17	11.30	11.38	11.42	2008	-8.0%	-7.9%	-7.4%	-7.2%	-7.0%
2009	10.41	10.74	10.86	10.94	10.97	2009	-5.0%	-3.9%	-3.9%	-3.8%	-3.9%
2010	10.40	10.86	10.99	11.06	11.09	2010	-0.1%	1.2%	1.2%	1.1%	1.1%
2011	10.13	10.60	10.79	10.87	10.91	2011	-2.6%	-2.4%	-1.9%	-1.7%	-1.6%
2012	10.02	10.45	10.62	10.69	10.73	2012	-1.1%	-1.5%	-1.5%	-1.7%	-1.7%
2013	9.73	10.14	10.26	10.32	10.35	2013	-2.8%	-2.9%	-3.4%	-3.5%	-3.6%
2014	9.64	10.02	10.12	10.17	10.23	2014	-1.0%	-1.1%	-1.4%	-1.5%	-1.1%
2015	9.50	10.05	9.79	10.46	10.50	2015	-1.5%	0.3%	-3.2%	2.8%	2.6%
2016	9.20	9.24	9.60	10.05	10.08	2016	-3.1%	-8.1%	-1.9%	-3.9%	-4.0%
2017	8.82	8.70	9.14	9.14	9.17	2017	-4.2%	-5.8%	-4.8%	-9.0%	-9.0%
2018	8.87	8.99	9.08	9.08		2018	0.6%	3.3%	-0.6%	-0.7%	
2019	7.96	8.34	8.43			2019	-10.3%	-7.2%	-7.2%		
2020	8.36	8.83				2020	5.0%	5.9%			
2021	10.66					2021	27.6%				

Los Angeles/L.A. Basin

Indemnity Claim Frequency per \$100M of Exposure at AY 2021 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2004	22.72	22.86	22.89	22.85	22.89	2004	---	---	---	---	---
2005	19.50	19.48	19.55	19.68	19.74	2005	-14.2%	-14.8%	-14.6%	-13.9%	-13.7%
2006	18.05	18.21	18.39	18.53	18.58	2006	-7.5%	-6.5%	-5.9%	-5.8%	-5.9%
2007	17.36	17.86	18.12	18.26	18.34	2007	-3.8%	-1.9%	-1.5%	-1.5%	-1.3%
2008	16.79	17.62	17.93	18.13	18.22	2008	-3.3%	-1.4%	-1.0%	-0.7%	-0.6%
2009	16.90	17.86	18.27	18.44	18.53	2009	0.7%	1.4%	1.9%	1.7%	1.7%
2010	17.74	18.84	19.29	19.46	19.52	2010	5.0%	5.4%	5.6%	5.5%	5.4%
2011	18.24	19.54	19.97	20.16	20.25	2011	2.8%	3.7%	3.5%	3.6%	3.7%
2012	19.07	20.48	20.88	21.05	21.18	2012	4.5%	4.8%	4.6%	4.4%	4.6%
2013	19.56	20.90	21.26	21.43	21.53	2013	2.6%	2.0%	1.8%	1.8%	1.7%
2014	20.04	21.38	21.74	21.88	21.78	2014	2.5%	2.3%	2.2%	2.1%	1.2%
2015	20.02	21.31	21.62	20.97	20.97	2015	-0.1%	-0.3%	-0.5%	-4.2%	-3.7%
2016	19.48	20.87	19.75	19.43	19.52	2016	-2.7%	-2.1%	-8.7%	-7.4%	-6.9%
2017	19.24	20.12	19.43	19.57	19.70	2017	-1.2%	-3.6%	-1.6%	0.8%	0.9%
2018	18.27	19.28	19.58	19.73		2018	-5.0%	-4.2%	0.8%	0.8%	
2019	17.16	18.45	18.75			2019	-6.1%	-4.3%	-4.2%		
2020	16.57	17.81				2020	-3.5%	-3.5%			
2021	16.32					2021	-1.5%				

San Diego

Indemnity Claim Frequency per \$100M of Exposure at AY 2021 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2004	21.05	20.97	21.00	20.90	20.53	2004	---	---	---	---	---
2005	18.31	18.37	18.38	17.79	17.58	2005	-13.0%	-12.4%	-12.5%	-14.9%	-14.4%
2006	17.12	17.02	16.53	16.23	16.26	2006	-6.5%	-7.4%	-10.1%	-8.7%	-7.5%
2007	16.51	16.08	15.83	15.58	15.63	2007	-3.5%	-5.5%	-4.2%	-4.0%	-3.9%
2008	15.16	15.22	15.35	15.16	15.24	2008	-8.2%	-5.4%	-3.0%	-2.7%	-2.5%
2009	14.30	14.88	15.03	15.14	15.22	2009	-5.7%	-2.2%	-2.1%	-0.1%	-0.1%
2010	14.85	15.49	15.69	15.86	15.91	2010	3.9%	4.1%	4.4%	4.8%	4.6%
2011	15.11	15.69	15.92	16.08	16.13	2011	1.7%	1.3%	1.5%	1.4%	1.4%
2012	15.25	15.81	16.02	16.12	16.17	2012	0.9%	0.8%	0.6%	0.2%	0.3%
2013	15.04	15.61	15.75	15.82	15.88	2013	-1.4%	-1.3%	-1.7%	-1.8%	-1.8%
2014	15.32	15.96	16.08	16.16	16.34	2014	1.9%	2.3%	2.1%	2.2%	2.9%
2015	15.52	16.21	16.33	16.57	16.71	2015	1.3%	1.6%	1.5%	2.5%	2.3%
2016	15.25	15.87	17.09	17.32	17.36	2016	-1.7%	-2.1%	4.7%	4.6%	3.9%
2017	14.74	14.78	15.65	15.78	15.82	2017	-3.3%	-6.9%	-8.4%	-8.9%	-8.9%
2018	14.31	14.52	14.66	14.74		2018	-2.9%	-1.8%	-6.3%	-6.6%	
2019	14.12	14.77	14.89			2019	-1.3%	1.7%	1.6%		
2020	12.88	13.46				2020	-8.8%	-8.9%			
2021	11.35					2021	-11.9%				

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 2021 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2004	28.24	28.90	29.01	29.17	29.28	2004	---	---	---	---	---
2005	24.71	25.08	25.26	25.47	25.62	2005	-12.5%	-13.2%	-12.9%	-12.7%	-12.5%
2006	22.60	22.91	23.19	23.39	23.46	2006	-8.5%	-8.7%	-8.2%	-8.2%	-8.4%
2007	21.43	21.92	22.31	22.54	22.58	2007	-5.2%	-4.3%	-3.8%	-3.7%	-3.8%
2008	20.20	20.84	21.13	21.30	21.36	2008	-5.7%	-4.9%	-5.3%	-5.5%	-5.4%
2009	19.73	20.39	20.56	20.69	20.77	2009	-2.3%	-2.2%	-2.7%	-2.8%	-2.7%
2010	20.08	20.88	21.16	21.26	21.39	2010	1.8%	2.4%	2.9%	2.7%	3.0%
2011	20.29	21.28	21.61	21.74	21.83	2011	1.0%	1.9%	2.1%	2.3%	2.1%
2012	20.77	21.74	22.06	22.21	22.25	2012	2.4%	2.2%	2.1%	2.2%	1.9%
2013	20.65	21.56	21.85	21.98	22.03	2013	-0.6%	-0.8%	-0.9%	-1.0%	-1.0%
2014	20.45	21.35	21.68	21.80	21.85	2014	-1.0%	-1.0%	-0.8%	-0.8%	-0.8%
2015	20.39	21.25	21.56	21.69	21.67	2015	-0.3%	-0.5%	-0.6%	-0.5%	-0.8%
2016	19.45	20.30	21.88	22.01	21.98	2016	-4.6%	-4.5%	1.5%	1.5%	1.4%
2017	19.43	21.31	22.52	22.64	22.54	2017	-0.1%	5.0%	2.9%	2.8%	2.6%
2018	19.35	20.67	20.87	20.98		2018	-0.4%	-3.0%	-7.3%	-7.3%	
2019	19.96	20.43	20.64			2019	3.1%	-1.1%	-1.1%		
2020	19.91	20.27				2020	-0.2%	-0.8%			
2021	18.95					2021	-4.8%				

All Regions

Indemnity Claim Frequency per \$100M of Exposure at AY 2021 Level						Annual Change					
AY/RL	1	2	3	4	5	AY/RL	1	2	3	4	5
2004	22.10	22.34	22.38	22.42	22.43	2004	---	---	---	---	---
2005	19.18	19.26	19.37	19.43	19.46	2005	-13.2%	-13.8%	-13.5%	-13.4%	-13.3%
2006	17.65	17.83	17.97	18.05	18.09	2006	-8.0%	-7.4%	-7.2%	-7.1%	-7.1%
2007	16.83	17.18	17.37	17.47	17.53	2007	-4.7%	-3.7%	-3.3%	-3.2%	-3.1%
2008	15.91	16.47	16.71	16.85	16.93	2008	-5.4%	-4.2%	-3.8%	-3.5%	-3.4%
2009	15.66	16.37	16.64	16.78	16.85	2009	-1.6%	-0.6%	-0.4%	-0.4%	-0.5%
2010	16.11	16.95	17.26	17.39	17.46	2010	2.9%	3.5%	3.7%	3.6%	3.6%
2011	16.29	17.25	17.59	17.74	17.81	2011	1.1%	1.8%	1.9%	2.0%	2.0%
2012	16.68	17.65	17.96	18.10	18.18	2012	2.4%	2.3%	2.1%	2.0%	2.1%
2013	16.75	17.68	17.94	18.06	18.13	2013	0.4%	0.1%	-0.1%	-0.2%	-0.3%
2014	16.86	17.77	18.03	18.14	18.30	2014	0.6%	0.5%	0.5%	0.4%	1.0%
2015	16.71	17.71	17.76	17.89	17.85	2015	-0.9%	-0.4%	-1.5%	-1.4%	-2.4%
2016	16.21	16.97	17.22	17.28	17.33	2016	-3.0%	-4.2%	-3.0%	-3.4%	-2.9%
2017	15.82	16.81	16.88	16.98	17.03	2017	-2.4%	-1.0%	-2.0%	-1.7%	-1.7%
2018	15.53	16.09	16.30	16.39		2018	-1.9%	-4.3%	-3.4%	-3.5%	
2019	15.21	16.13	16.36			2019	-2.0%	0.2%	0.4%		
2020	14.90	15.77				2020	-2.1%	-2.2%			
2021	15.16					2021	1.7%				

Figures in italics are based on preliminary partial data.

Source: WCIRB unit statistical data

Average Incurred Indemnity Loss per Reported Indemnity Claim
As of June 30, 2023

Accident	Evaluated as of (in months):									
Year	6	18	30	42	54	66	78	90	102	114
1998										20,991
1999									22,579	22,694
2000								23,394	23,618	23,757
2001							25,118	25,484	25,825	25,993
2002						23,181	23,710	24,122	24,373	24,633
2003					22,055	22,919	23,593	24,010	24,511	24,952
2004				16,771	17,635	18,437	19,039	19,614	20,040	20,353
2005			12,729	14,345	15,549	16,444	17,210	17,806	18,163	18,400
2006		9,933	13,706	15,754	17,115	18,232	19,018	19,502	19,870	20,028
2007	7,114	10,509	14,844	17,238	18,714	19,785	20,550	21,100	21,439	21,661
2008	6,996	11,334	16,066	19,040	20,773	21,895	22,562	23,029	23,373	23,559
2009	7,221	11,750	16,826	19,669	21,584	22,695	23,427	23,856	24,213	24,492
2010	7,108	11,667	16,494	19,446	21,103	22,161	22,749	23,218	23,555	23,829
2011	6,950	12,094	16,826	19,364	20,908	21,717	22,291	22,763	23,048	23,235
2012	7,306	12,181	16,560	19,006	20,371	21,300	21,883	22,307	22,651	22,877
2013	7,526	12,076	16,464	18,702	19,990	20,763	21,300	21,576	21,775	21,877
2014	7,491	12,256	16,731	19,373	20,833	21,657	22,069	22,325	22,528	22,701
2015	7,856	12,604	17,445	19,893	21,228	21,868	22,365	22,571	22,751	
2016	7,712	12,713	17,216	19,473	20,730	21,309	21,722	22,028		
2017	8,071	12,952	17,586	19,944	20,961	21,621	22,050			
2018	8,165	13,735	18,408	20,560	21,679	22,308				
2019	8,540	14,435	19,182	21,634	23,062					
2020	9,817	14,922	19,843	22,568						
2021	8,991	14,640	19,850							
2022	9,557	15,213								
2023	9,250									

Accident	Annual Change									
Year	6	18	30	42	54	66	78	90	102	114
1999										8.1%
2000									4.6%	4.7%
2001								8.9%	9.3%	9.4%
2002							-5.6%	-5.3%	-5.6%	-5.2%
2003						-1.1%	-0.5%	-0.5%	0.6%	1.3%
2004					-20.0%	-19.6%	-19.3%	-18.3%	-18.2%	-18.4%
2005				-14.5%	-11.8%	-10.8%	-9.6%	-9.2%	-9.4%	-9.6%
2006			7.7%	9.8%	10.1%	10.9%	10.5%	9.5%	9.4%	8.9%
2007		5.8%	8.3%	9.4%	9.3%	8.5%	8.1%	8.2%	7.9%	8.2%
2008	-1.6%	7.8%	8.2%	10.5%	11.0%	10.7%	9.8%	9.1%	9.0%	8.8%
2009	3.2%	3.7%	4.7%	3.3%	3.9%	3.7%	3.8%	3.6%	3.6%	4.0%
2010	-1.6%	-0.7%	-2.0%	-1.1%	-2.2%	-2.4%	-2.9%	-2.7%	-2.7%	-2.7%
2011	-2.2%	3.7%	2.0%	-0.4%	-0.9%	-2.0%	-2.0%	-2.0%	-2.2%	-2.5%
2012	5.1%	0.7%	-1.6%	-1.9%	-2.6%	-1.9%	-1.8%	-2.0%	-1.7%	-1.5%
2013	3.0%	-0.9%	-0.6%	-1.6%	-1.9%	-2.5%	-2.7%	-3.3%	-3.9%	-4.4%
2014	-0.5%	1.5%	1.6%	3.6%	4.2%	4.3%	3.6%	3.5%	3.5%	3.8%
2015	4.9%	2.8%	4.3%	2.7%	1.9%	1.0%	1.3%	1.1%	1.0%	
2016	-1.8%	0.9%	-1.3%	-2.1%	-2.3%	-2.6%	-2.9%	-2.4%		
2017	4.7%	1.9%	2.1%	2.4%	1.1%	1.5%	1.5%			
2018	1.2%	6.0%	4.7%	3.1%	3.4%	3.2%				
2019	4.6%	5.1%	4.2%	5.2%	6.4%					
2020	15.0%	3.4%	3.4%	4.3%						
2021	-8.4%	-1.9%	0.0%							
2022	6.3%	3.9%								
2023	-3.2%									

Annual Trend*										
All-Year	2.1%	2.3%	2.2%	1.9%	1.2%	0.6%	0.1%	-0.1%	-0.2%	0.0%
R ²	0.869	0.940	0.845	0.723	0.355	0.096	0.001	0.007	0.009	0.000
5-Year	1.3%	2.2%	3.2%	3.8%	2.1%	0.5%	0.5%	0.2%	-0.3%	-1.6%
R ²	0.150	0.792	0.928	0.980	0.622	0.200	0.206	0.034	0.054	0.625

*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 June 30, 2023

Accident	Evaluated as of (in months):									
Year	6	18	30	42	54	66	78	90	102	114
2002										10,098
2003									9,672	9,982
2004								7,882	8,166	8,403
2005							7,181	7,565	7,846	8,028
2006						7,545	7,956	8,344	8,577	8,689
2007					8,061	8,642	9,176	9,487	9,718	9,821
2008				8,337	9,195	9,881	10,347	10,656	10,826	10,891
2009			8,150	9,447	10,510	11,195	11,641	11,894	11,994	12,068
2010		6,547	8,503	9,979	10,846	11,428	11,794	11,964	12,088	12,202
2011	4,934	6,782	8,715	9,917	10,702	11,163	11,380	11,536	11,604	11,629
2012	5,130	6,900	8,506	9,428	10,042	10,440	10,647	10,790	10,901	10,945
2013	5,111	6,872	8,327	9,092	9,594	9,820	9,988	10,066	10,094	10,099
2014	5,134	6,645	7,933	8,721	9,121	9,398	9,553	9,625	9,677	9,713
2015	5,192	6,620	8,007	8,711	9,042	9,235	9,333	9,355	9,407	
2016	5,362	6,768	7,958	8,437	8,773	8,944	9,049	9,097		
2017	5,599	6,649	7,725	8,316	8,545	8,753	8,866			
2018	5,579	7,006	8,101	8,651	8,974	9,176				
2019	5,554	7,046	8,229	8,870	9,285					
2020	6,501	7,806	9,478	10,340						
2021	6,630	7,629	9,119							
2022	6,349	7,769								
2023	6,341									

Accident	Annual Change									
Year	6	18	30	42	54	66	78	90	102	114
2003										-1.2%
2004									-15.6%	-15.8%
2005								-4.0%	-3.9%	-4.5%
2006							10.8%	10.3%	9.3%	8.2%
2007						14.5%	15.3%	13.7%	13.3%	13.0%
2008					14.1%	14.3%	12.8%	12.3%	11.4%	10.9%
2009				13.3%	14.3%	13.3%	12.5%	11.6%	10.8%	10.8%
2010			4.3%	5.6%	3.2%	2.1%	1.3%	0.6%	0.8%	1.1%
2011		3.6%	2.5%	-0.6%	-1.3%	-2.3%	-3.5%	-3.6%	-4.0%	-4.7%
2012	4.0%	1.7%	-2.4%	-4.9%	-6.2%	-6.5%	-6.4%	-6.5%	-6.1%	-5.9%
2013	-0.4%	-0.4%	-2.1%	-3.6%	-4.5%	-5.9%	-6.2%	-6.7%	-7.4%	-7.7%
2014	0.5%	-3.3%	-4.7%	-4.1%	-4.9%	-4.3%	-4.4%	-4.4%	-4.1%	-3.8%
2015	1.1%	-0.4%	0.9%	-0.1%	-0.9%	-1.7%	-2.3%	-2.8%	-2.8%	
2016	3.3%	2.2%	-0.6%	-3.2%	-3.0%	-3.1%	-3.0%	-2.8%		
2017	4.4%	-1.8%	-2.9%	-1.4%	-2.6%	-2.1%	-2.0%			
2018	-0.4%	5.4%	4.9%	4.0%	5.0%	4.8%				
2019	-0.4%	0.6%	1.6%	2.5%	3.5%					
2020	17.1%	10.8%	15.2%	16.6%						
2021	2.0%	-2.3%	-3.8%							
2022	-4.2%	1.8%								
2023	-0.1%									

Annual Trend*										
All-Year	2.5%	1.3%	0.4%	-0.2%	-0.6%	-0.1%	0.7%	1.5%	1.6%	1.6%
R ²	0.860	0.631	0.065	0.013	0.077	0.002	0.038	0.144	0.193	0.216
5-Year	2.4%	2.9%	5.0%	4.8%	0.8%	-1.0%	-2.9%	-4.1%	-5.2%	-5.8%
R ²	0.300	0.720	0.815	0.722	0.145	0.327	0.982	0.957	0.970	0.990

*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 June 30, 2023

Accident	Evaluated as of (in months):									
Year	6	18	30	42	54	66	78	90	102	114
1998										33,306
1999									29,597	31,087
2000								24,621	25,738	26,065
2001							20,594	21,659	23,402	24,058
2002						17,029	17,951	19,132	19,987	21,862
2003					15,878	17,437	19,799	21,674	25,266	29,396
2004				13,503	14,530	16,703	18,599	21,872	23,963	26,174
2005			10,570	11,733	13,621	16,072	19,383	22,689	24,140	26,173
2006		8,932	11,609	13,658	16,029	19,030	21,714	23,357	26,140	27,404
2007	6,507	9,317	12,587	14,934	17,178	19,235	21,713	24,985	27,470	29,796
2008	6,295	9,823	13,106	15,732	17,531	19,283	21,817	24,222	28,006	30,684
2009	6,459	10,263	13,654	15,596	17,642	19,686	21,809	24,456	26,996	29,332
2010	6,423	10,189	13,277	15,125	16,965	18,855	20,525	23,250	25,681	29,699
2011	6,283	10,814	13,762	15,490	17,794	19,343	21,333	24,298	26,586	29,488
2012	6,664	10,823	13,480	15,265	17,007	19,245	21,680	25,741	31,011	35,197
2013	6,908	10,607	13,573	14,774	16,198	18,322	21,790	25,370	27,764	28,817
2014	6,814	10,914	13,678	15,651	18,352	21,224	23,693	26,074	28,970	31,112
2015	7,215	11,275	15,012	17,282	20,399	22,966	25,841	27,273	29,654	
2016	7,041	11,560	15,346	17,954	21,529	23,380	25,060	27,836		
2017	7,540	12,304	16,940	20,616	22,690	24,997	27,850			
2018	7,642	13,252	18,157	20,446	23,181	25,284				
2019	7,935	13,888	17,763	20,417	23,561					
2020	9,118	13,627	17,422	20,123						
2021	8,136	13,440	17,945							
2022	8,554	13,599								
2023	8,245									

Accident	Annual Change									
Year	6	18	30	42	54	66	78	90	102	114
1999										-6.7%
2000									-13.0%	-16.2%
2001								-12.0%	-9.1%	-7.7%
2002							-12.8%	-11.7%	-14.6%	-9.1%
2003						2.4%	10.3%	13.3%	26.4%	34.5%
2004					-8.5%	-4.2%	-6.1%	0.9%	-5.2%	-11.0%
2005				-13.1%	-6.3%	-3.8%	4.2%	3.7%	0.7%	0.0%
2006			9.8%	16.4%	17.7%	18.4%	12.0%	2.9%	8.3%	4.7%
2007		4.3%	8.4%	9.3%	7.2%	1.1%	0.0%	7.0%	5.1%	8.7%
2008	-3.3%	5.4%	4.1%	5.3%	2.1%	0.3%	0.5%	-3.1%	2.0%	3.0%
2009	2.6%	4.5%	4.2%	-0.9%	0.6%	2.1%	0.0%	1.0%	-3.6%	-4.4%
2010	-0.6%	-0.7%	-2.8%	-3.0%	-3.8%	-4.2%	-5.9%	-4.9%	-4.9%	1.3%
2011	-2.2%	6.1%	3.7%	2.4%	4.9%	2.6%	3.9%	4.5%	3.5%	-0.7%
2012	6.1%	0.1%	-2.1%	-1.5%	-4.4%	-0.5%	1.6%	5.9%	16.6%	19.4%
2013	3.7%	-2.0%	0.7%	-3.2%	-4.8%	-4.8%	0.5%	-1.4%	-10.5%	-18.1%
2014	-1.4%	2.9%	0.8%	5.9%	13.3%	15.8%	8.7%	2.8%	4.3%	8.0%
2015	5.9%	3.3%	9.8%	10.4%	11.2%	8.2%	9.1%	4.6%	2.4%	
2016	-2.4%	2.5%	2.2%	3.9%	5.5%	1.8%	-3.0%	2.1%		
2017	7.1%	6.4%	10.4%	14.8%	5.4%	6.9%	11.1%			
2018	1.3%	7.7%	7.2%	-0.8%	2.2%	1.1%				
2019	3.8%	4.8%	-2.2%	-0.1%	1.6%					
2020	14.9%	-1.9%	-1.9%	-1.4%						
2021	-10.8%	-1.4%	3.0%							
2022	5.1%	1.2%								
2023	-3.6%									

Annual Trend*										
All-Year	2.2%	2.7%	3.0%	3.0%	2.9%	2.4%	2.0%	1.5%	1.2%	0.8%
R ²	0.863	0.944	0.908	0.829	0.803	0.797	0.739	0.636	0.306	0.130
5-Year	0.1%	0.2%	0.7%	2.2%	3.7%	4.4%	5.6%	2.3%	1.5%	0.7%
R ²	0.001	0.029	0.184	0.357	0.939	0.941	0.878	0.841	0.160	0.019

*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 June 30, 2023

Accident	Evaluated as of (in months):									
Year	6	18	30	42	54	66	78	90	102	114
1998										63,880
1999									52,251	68,319
2000								40,586	51,938	60,603
2001							30,271	38,721	50,606	60,482
2002						22,880	30,159	38,194	47,224	56,861
2003					19,044	24,945	33,031	41,645	52,096	64,905
2004				15,874	21,700	28,237	35,366	44,616	53,673	64,225
2005			15,614	19,411	23,182	29,772	37,895	48,815	56,989	67,374
2006		13,623	17,724	22,309	27,480	34,073	41,411	51,265	61,588	67,942
2007	12,529	14,801	19,165	23,860	30,014	36,625	45,681	55,021	64,741	73,611
2008	12,754	15,897	19,802	25,081	30,777	37,603	46,470	55,714	65,259	72,262
2009	13,069	16,469	20,801	25,701	31,957	38,075	45,432	54,394	61,115	68,856
2010	13,696	16,500	21,248	26,360	31,264	36,954	43,706	49,077	55,709	65,177
2011	14,336	18,157	22,658	27,695	33,786	39,319	45,046	51,859	59,493	65,456
2012	14,764	18,470	22,031	25,784	30,315	35,824	42,432	51,286	59,443	66,319
2013	14,484	17,780	21,391	24,669	29,132	33,994	41,004	47,988	54,276	57,669
2014	13,988	17,279	20,019	23,802	28,286	34,865	40,577	45,060	51,065	55,072
2015	14,036	17,128	21,400	26,529	32,531	38,958	42,991	47,266	52,813	
2016	14,856	17,961	22,313	27,052	32,928	37,826	41,114	46,032		
2017	15,823	18,873	23,771	29,961	34,151	40,027	45,231			
2018	15,955	20,297	24,561	28,131	32,580	37,638				
2019	15,988	20,174	23,445	26,626	30,575					
2020	16,992	19,565	23,371	26,948						
2021	17,313	20,302	24,021							
2022	16,931	20,107								
2023	16,058									

Accident	Annual Change									
Year	6	18	30	42	54	66	78	90	102	114
1999										6.9%
2000									-0.6%	-11.3%
2001								-4.6%	-2.6%	-0.2%
2002							-0.4%	-1.4%	-6.7%	-6.0%
2003						9.0%	9.5%	9.0%	10.3%	14.1%
2004					13.9%	13.2%	7.1%	7.1%	3.0%	-1.0%
2005				22.3%	6.8%	5.4%	7.2%	9.4%	6.2%	4.9%
2006			13.5%	14.9%	18.5%	14.4%	9.3%	5.0%	8.1%	0.8%
2007		8.6%	8.1%	7.0%	9.2%	7.5%	10.3%	7.3%	5.1%	8.3%
2008	1.8%	7.4%	3.3%	5.1%	2.5%	2.7%	1.7%	1.3%	0.8%	-1.8%
2009	2.5%	3.6%	5.0%	2.5%	3.8%	1.3%	-2.2%	-2.4%	-6.4%	-4.7%
2010	4.8%	0.2%	2.1%	2.6%	-2.2%	-2.9%	-3.8%	-9.8%	-8.8%	-5.3%
2011	4.7%	10.0%	6.6%	5.1%	8.1%	6.4%	3.1%	5.7%	6.8%	0.4%
2012	3.0%	1.7%	-2.8%	-6.9%	-10.3%	-8.9%	-5.8%	-1.1%	-0.1%	1.3%
2013	-1.9%	-3.7%	-2.9%	-4.3%	-3.9%	-5.1%	-3.4%	-6.4%	-8.7%	-13.0%
2014	-3.4%	-2.8%	-6.4%	-3.5%	-2.9%	2.6%	-1.0%	-6.1%	-5.9%	-4.5%
2015	0.3%	-0.9%	6.9%	11.5%	15.0%	11.7%	5.9%	4.9%	3.4%	
2016	5.8%	4.9%	4.3%	2.0%	1.2%	-2.9%	-4.4%	-2.6%		
2017	6.5%	5.1%	6.5%	10.8%	3.7%	5.8%	10.0%			
2018	0.8%	7.5%	3.3%	-6.1%	-4.6%	-6.0%				
2019	0.2%	-0.6%	-4.5%	-5.3%	-6.2%					
2020	6.3%	-3.0%	-0.3%	1.2%						
2021	1.9%	3.8%	2.8%							
2022	-2.2%	-1.0%								
2023	-5.2%									

Annual Trend*										
All-Year	1.9%	2.1%	2.0%	2.2%	2.4%	2.5%	2.0%	1.2%	0.6%	-0.1%
R ²	0.877	0.825	0.729	0.546	0.535	0.591	0.489	0.245	0.101	0.004
5-Year	0.1%	-0.1%	-0.3%	-1.2%	-1.3%	1.8%	2.1%	-2.3%	-3.8%	-4.5%
R ²	0.001	0.017	0.051	0.171	0.285	0.302	0.535	0.547	0.786	0.736

*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 June 30, 2023

Accident	Evaluated as of (in months):									
Year	6	18	30	42	54	66	78	90	102	114
1998										19,302
1999									20,637	21,067
2000								21,150	21,761	22,222
2001							22,241	23,153	23,811	24,286
2002						20,106	21,296	22,128	22,688	23,112
2003					18,137	19,820	20,972	21,730	22,357	22,933
2004				12,353	14,347	15,644	16,584	17,320	18,035	18,626
2005			8,115	10,802	12,612	13,781	14,710	15,495	16,223	16,775
2006		4,672	8,762	11,628	13,563	15,033	16,181	17,108	17,821	18,299
2007	1,529	5,046	9,410	12,576	14,801	16,439	17,661	18,637	19,336	19,915
2008	1,612	5,473	10,162	13,888	16,547	18,437	19,718	20,664	21,347	21,837
2009	1,655	5,457	10,428	14,340	17,172	19,124	20,518	21,494	22,258	22,879
2010	1,628	5,455	10,382	14,416	17,166	19,023	20,334	21,248	21,963	22,458
2011	1,699	5,548	10,582	14,430	16,986	18,738	19,982	20,914	21,618	22,039
2012	1,710	5,638	10,593	14,385	16,833	18,579	19,786	20,598	21,138	21,565
2013	1,734	5,623	10,621	14,416	16,925	18,475	19,483	20,107	20,593	20,926
2014	1,714	5,689	10,956	15,078	17,642	19,256	20,240	20,866	21,336	21,690
2015	1,737	5,896	11,448	15,571	18,094	19,526	20,461	21,139	21,590	
2016	1,782	6,105	11,489	15,437	17,644	19,004	19,954	20,617		
2017	1,797	6,197	11,717	15,484	17,723	19,141	20,100			
2018	1,895	6,523	11,959	15,823	18,168	19,695				
2019	2,033	6,742	12,426	16,554	19,237					
2020	2,365	7,268	13,107	17,458						
2021	2,374	7,436	13,233							
2022	2,567	7,879								
2023	2,603									

Accident	Annual Change									
Year	6	18	30	42	54	66	78	90	102	114
1999										9.1%
2000									5.4%	5.5%
2001								9.5%	9.4%	9.3%
2002							-4.3%	-4.4%	-4.7%	-4.8%
2003						-1.4%	-1.5%	-1.8%	-1.5%	-0.8%
2004					-20.9%	-21.1%	-20.9%	-20.3%	-19.3%	-18.8%
2005				-12.6%	-12.1%	-11.9%	-11.3%	-10.5%	-10.0%	-9.9%
2006			8.0%	7.6%	7.5%	9.1%	10.0%	10.4%	9.8%	9.1%
2007		8.0%	7.4%	8.2%	9.1%	9.4%	9.1%	8.9%	8.5%	8.8%
2008	5.4%	8.5%	8.0%	10.4%	11.8%	12.1%	11.6%	10.9%	10.4%	9.7%
2009	2.7%	-0.3%	2.6%	3.3%	3.8%	3.7%	4.1%	4.0%	4.3%	4.8%
2010	-1.7%	0.0%	-0.4%	0.5%	0.0%	-0.5%	-0.9%	-1.1%	-1.3%	-1.8%
2011	4.4%	1.7%	1.9%	0.1%	-1.0%	-1.5%	-1.7%	-1.6%	-1.6%	-1.9%
2012	0.6%	1.6%	0.1%	-0.3%	-0.9%	-0.9%	-1.0%	-1.5%	-2.2%	-2.1%
2013	1.4%	-0.3%	0.3%	0.2%	0.5%	-0.6%	-1.5%	-2.4%	-2.6%	-3.0%
2014	-1.2%	1.2%	3.2%	4.6%	4.2%	4.2%	3.9%	3.8%	3.6%	3.6%
2015	1.4%	3.6%	4.5%	3.3%	2.6%	1.4%	1.1%	1.3%	1.2%	
2016	2.6%	3.5%	0.4%	-0.9%	-2.5%	-2.7%	-2.5%	-2.5%		
2017	0.9%	1.5%	2.0%	0.3%	0.4%	0.7%	0.7%			
2018	5.4%	5.3%	2.1%	2.2%	2.5%	2.9%				
2019	7.3%	3.4%	3.9%	4.6%	5.9%					
2020	16.3%	7.8%	5.5%	5.5%						
2021	0.4%	2.3%	1.0%							
2022	8.1%	6.0%								
2023	1.4%									

Annual Trend*										
All-Year	3.2%	2.7%	2.5%	2.3%	1.6%	0.9%	0.4%	0.1%	0.1%	0.1%
R ²	0.848	0.925	0.923	0.852	0.480	0.191	0.033	0.005	0.001	0.006
5-Year	5.9%	4.9%	3.4%	3.2%	1.5%	0.3%	0.5%	0.5%	0.1%	-1.2%
R ²	0.860	0.979	0.963	0.898	0.484	0.074	0.171	0.196	0.003	0.533

*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 June 30, 2023

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>	<u>102</u>	<u>114</u>
2005										21,590
2006									22,959	23,883
2007								24,569	25,809	26,760
2008							25,447	27,046	28,264	29,119
2009						24,911	27,066	28,575	29,688	30,573
2010					22,146	24,861	26,840	28,295	29,354	30,127
2011				17,226	20,664	23,236	24,978	26,314	27,245	27,850
2012			12,206	16,470	19,486	21,758	23,258	24,336	25,136	25,680
2013		6,746	11,677	15,543	18,424	20,276	21,533	22,354	22,887	23,345
2014	2,071	6,591	11,363	15,257	17,908	19,603	20,823	21,621	22,210	22,675
2015	2,299	6,593	11,455	15,207	17,712	19,219	20,265	21,028	21,645	
2016	2,156	6,867	11,448	14,867	17,101	18,519	19,616	20,366		
2017	2,413	7,058	11,677	14,940	17,119	18,589	19,743			
2018	2,423	7,256	12,006	15,524	17,942	19,559				
2019	2,363	7,085	11,869	15,721	18,478					
2020	2,477	7,282	12,546	16,792						
2021	2,575	7,224	12,477							
2022	2,277	7,348								
2023	2,342									

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>	<u>102</u>	<u>114</u>
2006										10.6%
2007									12.4%	12.0%
2008								10.1%	9.5%	8.8%
2009							6.4%	5.7%	5.0%	5.0%
2010						-0.2%	-0.8%	-1.0%	-1.1%	-1.5%
2011**					-6.7%	-6.5%	-6.9%	-7.0%	-7.2%	-7.6%
2012**				-4.4%	-5.7%	-6.4%	-6.9%	-7.5%	-7.7%	-7.8%
2013			-4.3%	-5.6%	-5.4%	-6.8%	-7.4%	-8.1%	-8.9%	-9.1%
2014		-2.3%	-2.7%	-1.8%	-2.8%	-3.3%	-3.3%	-3.3%	-3.0%	-2.9%
2015	11.0%	0.0%	0.8%	-0.3%	-1.1%	-2.0%	-2.7%	-2.7%	-2.5%	
2016	-6.2%	4.1%	-0.1%	-2.2%	-3.4%	-3.6%	-3.2%	-3.1%		
2017	11.9%	2.8%	2.0%	0.5%	0.1%	0.4%	0.6%			
2018	0.4%	2.8%	2.8%	3.9%	4.8%	5.2%				
2019	-2.5%	-2.4%	-1.1%	1.3%	3.0%					
2020	4.8%	2.8%	5.7%	6.8%						
2021	4.0%	-0.8%	-0.6%							
2022	-11.6%	1.7%								
2023	2.9%									

Annual Trend*										
All-Year	1.2%	1.2%	0.7%	-0.4%	-2.1%	-3.4%	-3.9%	-3.4%	-1.9%	0.0%
R ²	0.319	0.812	0.307	0.055	0.591	0.846	0.897	0.686	0.247	0.000
5-Year	-1.0%	0.4%	1.8%	3.0%	1.3%	-0.4%	-2.3%	-4.1%	-5.7%	-7.2%
R ²	0.110	0.271	0.789	0.899	0.408	0.048	0.909	0.935	0.933	0.980

*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 June 30, 2023

Accident Year	Evaluated as of (in months):									
	6	18	30	42	54	66	78	90	102	114
2002										8,700
2003									8,107	8,413
2004								6,401	6,746	7,065
2005							5,752	6,112	6,509	6,808
2006						5,887	6,391	6,824	7,182	7,449
2007					6,033	6,751	7,372	7,879	8,248	8,541
2008				5,813	6,910	7,802	8,478	8,979	9,368	9,639
2009			4,959	6,551	7,866	8,907	9,633	10,151	10,526	10,813
2010		3,184	5,150	6,948	8,331	9,292	10,006	10,519	10,888	11,157
2011	1,094	3,021	5,077	6,770	8,036	8,990	9,629	10,119	10,455	10,676
2012	1,047	3,025	4,998	6,596	7,742	8,591	9,148	9,548	9,843	10,043
2013	1,056	2,984	4,918	6,419	7,531	8,231	8,708	9,025	9,229	9,388
2014	1,063	2,940	4,817	6,300	7,298	7,935	8,392	8,691	8,899	9,052
2015	1,156	2,963	4,856	6,263	7,198	7,768	8,163	8,439	8,646	
2016	1,114	3,086	4,886	6,185	7,025	7,563	7,976	8,235		
2017	1,199	3,075	4,812	6,010	6,808	7,339	7,740			
2018	1,225	3,180	4,990	6,310	7,202	7,781				
2019	1,205	3,138	5,004	6,461	7,480					
2020	1,348	3,514	5,823	7,570						
2021	1,379	3,453	5,638							
2022	1,246	3,533								
2023	1,337									

Accident Year	Annual Change									
	6	18	30	42	54	66	78	90	102	114
2003										-3.3%
2004									-16.8%	-16.0%
2005								-4.5%	-3.5%	-3.6%
2006							11.1%	11.7%	10.3%	9.4%
2007						14.7%	15.4%	15.4%	14.8%	14.6%
2008					14.5%	15.6%	15.0%	14.0%	13.6%	12.9%
2009				12.7%	13.8%	14.2%	13.6%	13.1%	12.4%	12.2%
2010			3.8%	6.1%	5.9%	4.3%	3.9%	3.6%	3.4%	3.2%
2011		-5.1%	-1.4%	-2.6%	-3.5%	-3.3%	-3.8%	-3.8%	-4.0%	-4.3%
2012	-4.3%	0.1%	-1.6%	-2.6%	-3.7%	-4.4%	-5.0%	-5.6%	-5.9%	-5.9%
2013	0.8%	-1.4%	-1.6%	-2.7%	-2.7%	-4.2%	-4.8%	-5.5%	-6.2%	-6.5%
2014	0.7%	-1.5%	-2.1%	-1.9%	-3.1%	-3.6%	-3.6%	-3.7%	-3.6%	-3.6%
2015	8.7%	0.8%	0.8%	-0.6%	-1.4%	-2.1%	-2.7%	-2.9%	-2.8%	
2016	-3.6%	4.2%	0.6%	-1.2%	-2.4%	-2.6%	-2.3%	-2.4%		
2017	7.6%	-0.3%	-1.5%	-2.8%	-3.1%	-3.0%	-3.0%			
2018	2.2%	3.4%	3.7%	5.0%	5.8%	6.0%				
2019	-1.6%	-1.3%	0.3%	2.4%	3.9%					
2020	11.8%	12.0%	16.4%	17.2%						
2021	2.3%	-1.7%	-3.2%							
2022	-9.7%	2.3%								
2023	7.4%									

Annual Trend*										
All-Year	2.2%	1.2%	0.7%	0.3%	0.1%	0.6%	1.6%	2.6%	2.6%	2.6%
R ²	0.816	0.554	0.222	0.039	0.001	0.039	0.156	0.316	0.364	0.375
5-Year	1.3%	3.1%	4.8%	4.9%	1.0%	-1.0%	-2.8%	-3.6%	-4.7%	-5.3%
R ²	0.126	0.723	0.786	0.694	0.214	0.251	0.994	0.971	0.973	0.992

*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 June 30, 2023

Accident	Evaluated as of (in months):									
Year	6	18	30	42	54	66	78	90	102	114
1998										17,058
1999									18,075	18,788
2000								18,176	19,053	19,685
2001							18,070	19,410	20,325	21,024
2002						16,068	17,700	18,821	19,673	20,171
2003					13,889	16,089	17,512	18,473	19,083	19,750
2004				8,452	11,053	12,625	13,724	14,476	15,297	16,067
2005			4,178	7,191	9,459	10,889	11,885	12,798	13,724	14,615
2006		2,123	4,823	7,768	10,104	11,710	13,049	14,274	15,367	16,154
2007	958	2,191	5,143	8,319	10,791	12,672	14,272	15,677	16,735	17,684
2008	917	2,445	5,666	9,131	12,011	14,320	16,284	17,626	18,791	19,618
2009	915	2,517	5,867	9,703	12,763	15,313	17,259	18,843	19,898	20,824
2010	975	2,525	6,117	9,960	13,267	15,727	17,661	19,025	20,112	20,802
2011	944	2,953	6,518	10,484	13,581	16,017	17,727	18,988	20,009	20,676
2012	1,275	3,075	6,998	10,977	13,946	16,121	17,678	18,936	19,718	20,293
2013	1,213	3,449	7,402	11,372	14,318	16,305	17,707	18,657	19,341	19,816
2014	1,226	3,553	7,886	12,123	15,203	17,258	18,562	19,433	20,070	20,628
2015	1,213	3,967	8,612	12,880	15,887	17,661	18,812	19,718	20,384	
2016	1,243	4,237	8,793	12,958	15,525	17,189	18,361	19,277		
2017	1,336	4,304	8,979	12,829	15,457	17,198	18,413			
2018	1,484	4,640	9,274	13,189	15,817	17,673				
2019	1,588	4,732	9,296	13,526	16,754					
2020	1,660	5,184	10,021	14,648						
2021	1,703	4,845	9,603							
2022	1,948	5,491								
2023	1,964									

Accident	Annual Change									
Year	6	18	30	42	54	66	78	90	102	114
1999										10.1%
2000									5.4%	4.8%
2001								6.8%	6.7%	6.8%
2002							-2.0%	-3.0%	-3.2%	-4.1%
2003						0.1%	-1.1%	-1.8%	-3.0%	-2.1%
2004					-20.4%	-21.5%	-21.6%	-21.6%	-19.8%	-18.7%
2005				-14.9%	-14.4%	-13.7%	-13.4%	-11.6%	-10.3%	-9.0%
2006			15.4%	8.0%	6.8%	7.5%	9.8%	11.5%	12.0%	10.5%
2007		3.2%	6.6%	7.1%	6.8%	8.2%	9.4%	9.8%	8.9%	9.5%
2008	-4.3%	11.6%	10.2%	9.8%	11.3%	13.0%	14.1%	12.4%	12.3%	10.9%
2009	-0.3%	2.9%	3.5%	6.3%	6.3%	6.9%	6.0%	6.9%	5.9%	6.1%
2010	6.6%	0.3%	4.3%	2.6%	3.9%	2.7%	2.3%	1.0%	1.1%	-0.1%
2011	-3.2%	17.0%	6.6%	5.3%	2.4%	1.8%	0.4%	-0.2%	-0.5%	-0.6%
2012	35.1%	4.1%	7.4%	4.7%	2.7%	0.6%	-0.3%	-0.3%	-1.5%	-1.8%
2013	-4.9%	12.2%	5.8%	3.6%	2.7%	1.1%	0.2%	-1.5%	-1.9%	-2.4%
2014	1.0%	3.0%	6.5%	6.6%	6.2%	5.8%	4.8%	4.2%	3.8%	4.1%
2015	-1.1%	11.7%	9.2%	6.2%	4.5%	2.3%	1.3%	1.5%	1.6%	
2016	2.5%	6.8%	2.1%	0.6%	-2.3%	-2.7%	-2.4%	-2.2%		
2017	7.4%	1.6%	2.1%	-1.0%	-0.4%	0.1%	0.3%			
2018	11.1%	7.8%	3.3%	2.8%	2.3%	2.8%				
2019	7.0%	2.0%	0.2%	2.6%	5.9%					
2020	4.5%	9.6%	7.8%	8.3%						
2021	2.6%	-6.5%	-4.2%							
2022	14.4%	13.3%								
2023	0.8%									

Annual Trend*										
All-Year	5.1%	6.4%	5.3%	4.2%	2.9%	2.0%	1.3%	0.9%	0.7%	0.7%
R ²	0.937	0.978	0.958	0.943	0.705	0.444	0.228	0.134	0.097	0.104
5-Year	6.0%	3.7%	2.1%	3.0%	1.3%	0.2%	0.7%	0.9%	0.5%	-0.6%
R ²	0.916	0.667	0.649	0.788	0.378	0.054	0.223	0.440	0.190	0.228

*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 June 30, 2023

Accident Year	Evaluated as of (in months):									
	6	18	30	42	54	66	78	90	102	114
2005										17,357
2006									18,248	19,500
2007								19,109	20,848	22,428
2008							19,661	21,632	23,573	24,938
2009						18,662	21,499	23,803	25,460	26,980
2010					16,123	19,461	22,222	24,384	26,047	27,081
2011				11,736	15,599	18,925	21,410	23,322	24,723	25,612
2012			7,710	11,954	15,410	18,196	20,176	21,806	22,900	23,623
2013		3,817	7,763	11,888	15,140	17,571	19,259	20,407	21,183	21,836
2014	1,463	3,864	7,919	11,937	15,064	17,356	18,866	19,775	20,428	21,197
2015	1,414	4,178	8,420	12,259	15,220	17,004	18,254	19,240	19,997	
2016	1,479	4,456	8,496	12,143	14,558	16,231	17,499	18,529		
2017	1,586	4,557	8,797	12,121	14,568	16,205	17,573			
2018	1,687	4,690	8,999	12,713	15,193	16,997				
2019	1,716	4,718	8,716	12,606	15,591					
2020	1,693	4,648	9,189	13,608						
2021	1,814	4,424	8,864							
2022	1,664	4,859								
2023	1,940									

Accident Year	Annual Change									
	6	18	30	42	54	66	78	90	102	114
2006										12.3%
2007									14.2%	15.0%
2008								13.2%	13.1%	11.2%
2009							9.4%	10.0%	8.0%	8.2%
2010						4.3%	3.4%	2.4%	2.3%	0.4%
2011					-3.2%	-2.8%	-3.7%	-4.4%	-5.1%	-5.4%
2012				1.9%	-1.2%	-3.9%	-5.8%	-6.5%	-7.4%	-7.8%
2013**			0.7%	-0.6%	-1.8%	-3.4%	-4.5%	-6.4%	-7.5%	-7.6%
2014**		1.2%	2.0%	0.4%	-0.5%	-1.2%	-2.0%	-3.1%	-3.6%	-2.9%
2015	-3.3%	8.1%	6.3%	2.7%	1.0%	-2.0%	-3.2%	-2.7%	-2.1%	
2016	4.5%	6.7%	0.9%	-0.9%	-4.3%	-4.5%	-4.1%	-3.7%		
2017	7.2%	2.3%	3.5%	-0.2%	0.1%	-0.2%	0.4%			
2018	6.4%	2.9%	2.3%	4.9%	4.3%	4.9%				
2019	1.7%	0.6%	-3.2%	-0.8%	2.6%					
2020	-1.3%	-1.5%	5.4%	7.9%						
2021	7.2%	-4.8%	-3.5%							
2022	-8.3%	9.8%								
2023	16.6%									

Annual Trend*										
All-Year	3.0%	2.4%	1.9%	1.3%	-0.5%	-1.9%	-2.3%	-1.6%	-0.1%	1.8%
R ²	0.820	0.715	0.843	0.752	0.268	0.815	0.700	0.238	0.001	0.139
5-Year	2.3%	0.1%	0.4%	2.7%	0.9%	-0.9%	-2.6%	-3.8%	-5.2%	-6.3%
R ²	0.334	0.001	0.075	0.806	0.229	0.214	0.930	0.969	0.943	0.982

*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 June 30, 2023

Accident Year	Evaluated as of (in months):									
	0-6	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114
1998										6,862
1999									7,155	6,607
2000								7,330	6,738	6,385
2001							7,206	6,433	6,022	5,436
2002						7,049	6,564	6,165	5,293	4,953
2003					7,751	6,796	6,328	5,607	5,800	6,567
2004				6,987	6,092	5,695	5,609	5,514	6,699	7,008
2005			6,221	6,189	5,995	5,491	5,634	6,124	7,156	6,866
2006		4,329	6,994	6,814	6,481	6,687	6,858	7,162	6,985	6,199
2007	1,529	4,716	7,513	7,443	7,238	7,317	7,128	7,346	7,149	7,793
2008	1,612	5,123	8,003	8,425	8,314	7,990	7,317	7,379	7,283	6,988
2009	1,655	5,103	8,281	8,572	8,490	7,982	7,856	7,609	8,064	8,512
2010	1,628	5,147	8,280	8,972	8,471	8,215	8,151	7,948	8,373	8,081
2011	1,699	5,260	8,546	8,717	8,269	8,251	8,222	8,684	9,307	7,930
2012	1,710	5,348	8,453	8,812	8,403	8,559	8,672	8,493	8,216	8,815
2013	1,734	5,330	8,451	9,080	8,832	8,319	8,182	7,703	8,494	7,982
2014	1,714	5,382	8,993	9,932	9,486	9,451	8,815	8,153	8,415	8,791
2015	1,737	5,600	9,524	10,440	10,202	9,510	9,329	9,241	8,642	
2016	1,782	5,807	9,622	10,730	9,964	9,623	9,719	9,398		
2017	1,797	5,912	10,201	11,036	10,494	10,056	9,768			
2018	1,895	6,254	10,169	11,026	10,218	10,236				
2019	2,033	6,444	10,467	11,039	10,948					
2020	2,365	6,875	10,643	11,449						
2021	2,374	7,071	11,046							
2022	2,567	7,466								
2023	2,603									

Accident Year	Annual Change									
	0-6	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114
1999										-3.7%
2000									-5.8%	-3.4%
2001								-12.2%	-10.6%	-14.9%
2002							-8.9%	-4.2%	-12.1%	-8.9%
2003						-3.6%	-3.6%	-9.1%	9.6%	32.6%
2004					-21.4%	-16.2%	-11.4%	-1.7%	15.5%	6.7%
2005				-11.4%	-1.6%	-3.6%	0.5%	11.1%	6.8%	-2.0%
2006			12.4%	10.1%	8.1%	21.8%	21.7%	17.0%	-2.4%	-9.7%
2007		8.9%	7.4%	9.2%	11.7%	9.4%	3.9%	2.6%	2.4%	25.7%
2008	5.4%	8.6%	6.5%	13.2%	14.9%	9.2%	2.6%	0.5%	1.9%	-10.3%
2009	2.7%	-0.4%	3.5%	1.7%	2.1%	-0.1%	7.4%	3.1%	10.7%	21.8%
2010	-1.7%	0.9%	0.0%	4.7%	-0.2%	2.9%	3.8%	4.5%	3.8%	-5.1%
2011	4.4%	2.2%	3.2%	-2.8%	-2.4%	0.4%	0.9%	9.3%	11.1%	-1.9%
2012	0.6%	1.7%	-1.1%	1.1%	1.6%	3.7%	5.5%	-2.2%	-11.7%	11.2%
2013	1.4%	-0.3%	0.0%	3.0%	5.1%	-2.8%	-5.6%	-9.3%	3.4%	-9.4%
2014	-1.2%	1.0%	6.4%	9.4%	7.4%	13.6%	7.7%	5.8%	-0.9%	10.1%
2015	1.4%	4.1%	5.9%	5.1%	7.5%	0.6%	5.8%	13.3%	2.7%	
2016	2.6%	3.7%	1.0%	2.8%	-2.3%	1.2%	4.2%	1.7%		
2017	0.9%	1.8%	6.0%	2.9%	5.3%	4.5%	0.5%			
2018	5.4%	5.8%	-0.3%	-0.1%	-2.6%	1.8%				
2019	7.3%	3.0%	2.9%	0.1%	7.1%					
2020	16.3%	6.7%	1.7%	3.7%						
2021	0.4%	2.8%	3.8%							
2022	8.1%	5.6%								
2023	1.4%									

Annual Trend*										
All-Year	3.2%	2.9%	3.1%	3.7%	3.4%	3.4%	3.1%	2.7%	2.5%	2.5%
R ²	0.848	0.940	0.939	0.922	0.832	0.817	0.783	0.681	0.661	0.580
5-Year	5.9%	4.6%	2.1%	1.3%	1.7%	2.2%	4.6%	3.9%	-1.2%	1.8%
R ²	0.860	0.986	0.907	0.793	0.537	0.916	0.921	0.526	0.172	0.273

*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 June 30, 2023

Accident	Evaluated as of (in months):									
Year	0-6	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114
2005										12,813
2006									12,062	11,888
2007								12,892	12,645	12,699
2008							12,290	12,403	12,801	12,049
2009						12,560	12,079	11,668	11,723	12,146
2010					12,019	11,952	12,218	12,577	12,422	12,587
2011				10,455	11,062	11,989	11,485	12,412	12,306	11,381
2012			8,918	9,920	10,309	11,103	10,751	11,250	12,141	11,220
2013		6,376	8,454	9,291	10,119	9,914	10,174	10,072	9,312	10,910
2014	2,071	6,204	8,305	9,416	9,798	9,915	10,890	10,368	10,553	11,474
2015	2,299	6,138	8,471	9,522	10,126	9,984	10,408	10,393	11,769	
2016	2,156	6,477	8,352	9,339	10,071	10,015	11,192	10,643		
2017	2,413	6,595	8,699	9,615	10,209	10,409	11,705			
2018	2,423	6,841	9,029	10,070	10,528	10,824				
2019	2,363	6,690	8,943	10,312	11,225					
2020	2,477	6,848	9,662	11,165						
2021	2,575	6,769	10,055							
2022	2,277	7,006								
2023	2,342									

Accident	Annual Change									
Year	0-6	6-18	18-30	30-42	42-54	54-66	66-78	78-90	90-102	102-114
2006										-7.2%
2007									4.8%	6.8%
2008								-3.8%	1.2%	-5.1%
2009							-1.7%	-5.9%	-8.4%	0.8%
2010						-4.8%	1.1%	7.8%	6.0%	3.6%
2011					-8.0%	0.3%	-6.0%	-1.3%	-0.9%	-9.6%
2012				-5.1%	-6.8%	-7.4%	-6.4%	-9.4%	-1.3%	-1.4%
2013**			-5.2%	-6.3%	-1.8%	-10.7%	-5.4%	-10.5%	-23.3%	-2.8%
2014**		-2.7%	-1.8%	1.3%	-3.2%	0.0%	7.0%	2.9%	13.3%	5.2%
2015	11.0%	-1.1%	2.0%	1.1%	3.3%	0.7%	-4.4%	0.2%	11.5%	
2016	-6.2%	5.5%	-1.4%	-1.9%	-0.5%	0.3%	7.5%	2.4%		
2017	11.9%	1.8%	4.2%	3.0%	1.4%	3.9%	4.6%			
2018	0.4%	3.7%	3.8%	4.7%	3.1%	4.0%				
2019	-2.5%	-2.2%	-0.9%	2.4%	6.6%					
2020	4.8%	2.4%	8.0%	8.3%						
2021	4.0%	-1.1%	4.1%							
2022	-11.6%	3.5%								
2023	2.9%									

Annual Trend*										
All-Year	1.2%	1.3%	1.6%	0.8%	-0.6%	-2.1%	-1.2%	-2.6%	-1.8%	-1.4%
R ²	0.319	0.786	0.573	0.163	0.083	0.519	0.294	0.730	0.316	0.603
5-Year	-1.0%	0.6%	3.6%	4.4%	2.5%	2.2%	3.1%	-0.8%	-2.3%	-2.2%
R ²	0.110	0.303	0.891	0.959	0.780	0.856	0.752	0.092	0.095	0.444

*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 June 30, 2023

Development Period	Evaluation Years										
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
3/0	1,403	1,511	1,675	1,582	1,938	1,951	2,056	2,038	1,502	1,503	1,920
6/3	2,690	2,572	2,885	2,869	3,088	3,196	2,993	2,924	3,109	2,854	2,891
9/6	2,930	2,768	2,765	2,920	3,019	3,305	2,990	2,666	2,915	2,973	
12/9	2,700	2,672	2,638	2,875	3,064	3,126	3,203	2,926	2,953	3,003	
12/0	5,414	5,294	5,382	5,662	5,984	6,173	5,977	5,508	5,713	5,709	
15/12	2,942	2,752	2,811	2,817	3,090	3,145	3,200	3,131	2,950	3,084	3,184
18/15	2,843	2,535	2,542	2,705	2,781	2,874	2,875	2,694	3,013	3,086	3,309
21/18	2,626	2,537	2,525	2,555	2,544	2,705	2,812	2,640	2,939	3,073	
24/21	2,658	2,473	2,449	2,567	2,638	2,656	2,986	2,726	2,971	3,003	
24/12	8,930	8,335	8,302	8,473	8,654	8,824	9,212	8,844	9,244	9,485	
27/24	2,775	2,620	2,526	2,548	2,669	2,614	2,849	2,876	2,787	2,912	3,058
30/27	2,924	2,777	2,762	2,814	2,816	2,876	2,887	2,703	3,027	3,203	3,351
33/30	2,970	2,933	2,742	2,763	2,723	2,919	2,983	3,026	3,017	3,243	
36/33	3,093	2,883	2,851	2,874	2,861	2,854	3,083	3,079	3,197	3,254	
36/24	10,198	9,635	9,277	9,299	9,211	9,227	9,650	9,740	10,095	10,678	
39/36	3,217	2,973	3,011	2,796	2,849	2,927	2,892	3,074	2,998	3,118	3,469
42/39	3,488	3,255	3,108	2,896	3,080	3,274	3,012	2,714	3,131	3,193	3,585
45/42	3,387	3,477	3,117	3,011	2,817	3,055	3,093	3,055	3,231	3,506	
48/45	3,579	3,226	3,027	3,236	2,965	3,174	3,299	3,017	3,394	3,271	
48/36	11,867	11,148	10,535	10,060	9,842	10,261	10,022	9,938	10,752	11,023	

Development Period	Year-to-Year Change										
	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	21-to-22	22-to-23
3/0	0.5%	7.7%	10.9%	-5.5%	22.5%	0.7%	5.4%	-0.9%	-26.9%	0.1%	27.7%
6/3	1.1%	-4.4%	12.2%	-0.5%	7.7%	3.5%	-6.3%	-2.3%	3.9%	-8.2%	1.3%
9/6	4.5%	-5.6%	-0.1%	5.6%	3.4%	9.5%	-9.5%	-10.8%	-2.5%	2.0%	
12/9	-6.9%	-1.0%	-1.3%	9.0%	6.6%	2.0%	2.5%	-8.7%	-7.8%	1.7%	
12/0	-1.0%	-2.2%	1.7%	5.2%	5.7%	3.2%	-3.2%	-7.9%	-4.4%	-0.1%	
15/12	-2.1%	-6.5%	2.1%	0.2%	9.7%	1.8%	1.7%	-2.1%	-7.8%	4.6%	3.3%
18/15	-2.1%	-10.8%	0.3%	6.4%	2.8%	3.4%	0.0%	-6.3%	4.8%	2.4%	7.2%
21/18	-3.2%	-3.4%	-0.5%	1.2%	-0.4%	6.3%	4.0%	-6.1%	4.5%	4.6%	
24/21	-4.5%	-6.9%	-1.0%	4.8%	2.8%	0.7%	12.4%	-8.7%	-0.5%	1.1%	
24/12	-3.5%	-6.7%	-0.4%	2.1%	2.1%	2.0%	4.4%	-4.0%	0.3%	2.6%	
27/24	3.2%	-5.6%	-3.6%	0.9%	4.8%	-2.1%	9.0%	1.0%	-2.2%	4.5%	5.0%
30/27	-0.8%	-5.0%	-0.5%	1.9%	0.1%	2.1%	0.4%	-6.4%	4.9%	5.8%	4.6%
33/30	-2.3%	-1.2%	-6.5%	0.8%	-1.4%	7.2%	2.2%	1.4%	1.1%	7.5%	
36/33	-8.2%	-6.8%	-1.1%	0.8%	-0.5%	-0.2%	8.0%	-0.1%	3.7%	1.8%	
36/24	-2.9%	-5.5%	-3.7%	0.2%	-1.0%	0.2%	4.6%	0.9%	4.6%	5.8%	
39/36	6.6%	-7.6%	1.3%	-7.1%	1.9%	2.7%	-1.2%	6.3%	3.7%	4.0%	11.3%
42/39	11.7%	-6.7%	-4.5%	-6.8%	6.3%	6.3%	-8.0%	-9.9%	3.9%	2.0%	12.3%
45/42	4.4%	2.7%	-10.4%	-3.4%	-6.4%	8.5%	1.2%	-1.2%	4.5%	8.5%	
48/45	4.9%	-9.9%	-6.2%	6.9%	-8.4%	7.0%	3.9%	-8.5%	2.9%	-3.6%	
48/36	5.7%	-6.1%	-5.5%	-4.5%	-2.2%	4.3%	-2.3%	-0.8%	7.3%	2.5%	

*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, excluding COVID-19 claims.

**Changes in the Number of Weeks of
Temporary Disability Benefits on
Permanent and Temporary Disability Claims**

As of 12 Months

<u>Accident Quarter</u>	<u>Average TD Duration</u>	<u>Change</u>
2020 Q2	14.8	-----
2020 Q3	14.3	-3.7%
2020 Q4	14.2	-0.6%
2021 Q1	14.1	-0.9%
2021 Q2	13.2	-6.2%
2021 Q3	12.8	-2.9%
2021 Q4	12.3	-3.8%
2022 Q1	12.2	-1.4%
2022 Q2	10.6	-12.5%

As of 18 Months

<u>Accident Quarter</u>	<u>Average TD Duration</u>	<u>Change</u>
2020 Q2	18.8	-----
2020 Q3	17.9	-4.7%
2020 Q4	17.7	-1.1%
2021 Q1	17.3	-2.5%
2021 Q2	16.2	-6.0%
2021 Q3	15.6	-4.2%
2021 Q4	14.2	-8.7%

Source: WCIRB Indemnity Data

Average Permanent Disability Ratings by Type of Loss

All Permanent Disability Claims

PY/RL	Average Permanent Disability Rating				
	1	2	3	4	5
2002	18.7	23.5	24.7	25.4	25.2
2003	19.8	22.0	23.2	23.0	22.6
2004	16.3	18.2	18.8	18.4	18.2
2005	12.5	14.6	15.8	16.1	16.9
2006	11.8	14.2	15.5	16.6	17.2
2007	12.0	14.6	16.6	17.5	18.1
2008	12.8	15.5	17.3	18.2	18.3
2009	12.5	15.2	16.8	17.3	17.3
2010	12.7	15.0	15.8	16.1	16.6
2011	12.6	14.4	15.1	15.8	16.3
2012	11.7	13.0	14.1	14.9	15.3
2013	11.2	12.8	13.8	14.4	14.8
2014	10.7	12.2	13.4	14.0	14.4
2015	10.1	12.0	13.1	13.7	14.1
2016	10.1	11.7	12.7	13.3	13.6
2017	10.0	11.7	12.9	13.4	
2018	10.0	11.7	12.8		
2019	10.2	11.9			
2020	10.4				

Cumulative Permanent Disability Claims

PY/RL	Average Permanent Disability Rating				
	1	2	3	4	5
2002	16.9	20.4	21.4	22.0	22.1
2003	17.4	19.1	20.2	20.1	19.9
2004	15.0	16.0	16.7	16.4	16.7
2005	11.0	12.7	14.4	15.3	16.4
2006	10.3	12.7	14.6	16.0	16.7
2007	10.9	13.5	15.5	16.7	17.6
2008	12.4	14.4	16.1	17.4	17.6
2009	11.5	14.0	15.6	16.2	16.6
2010	12.4	14.9	15.4	15.7	16.4
2011	11.8	13.4	14.2	14.8	15.6
2012	10.9	12.1	13.1	13.9	14.3
2013	10.3	11.5	12.4	13.0	13.6
2014	10.1	10.9	12.0	12.8	13.4
2015	9.4	11.0	12.0	12.8	13.3
2016	9.0	10.1	10.8	11.5	11.8
2017	9.2	10.6	11.7	12.3	
2018	9.2	10.5	11.4		
2019	9.2	10.4			
2020	9.3				

Non-Cumulative Permanent Disability Claims

PY/RL	Average Permanent Disability Rating				
	1	2	3	4	5
2002	18.9	23.9	25.2	25.8	25.6
2003	20.0	22.3	23.6	23.3	23.0
2004	16.4	18.4	19.1	18.6	18.4
2005	12.6	14.8	15.9	16.2	16.9
2006	12.0	14.4	15.6	16.7	17.2
2007	12.1	14.7	16.7	17.6	18.2
2008	12.9	15.7	17.4	18.3	18.4
2009	12.6	15.3	16.9	17.4	17.4
2010	12.7	15.0	15.9	16.2	16.6
2011	12.7	14.5	15.2	15.9	16.5
2012	11.8	13.2	14.3	15.1	15.5
2013	11.3	13.1	14.1	14.7	15.1
2014	10.9	12.5	13.7	14.3	14.7
2015	10.3	12.2	13.3	13.9	14.3
2016	10.4	12.1	13.2	13.7	14.1
2017	10.2	12.0	13.1	13.7	
2018	10.2	12.0	13.1		
2019	10.4	12.2			
2020	10.7				

PY/RL	Count of Permanent Disability Claims				
	1	2	3	4	5
2002	84,211	96,994	101,877	102,617	103,228
2003	72,753	83,307	85,811	87,080	88,430
2004	55,724	62,004	65,470	67,410	70,372
2005	45,067	53,120	56,970	60,958	61,722
2006	42,384	51,382	57,892	59,647	60,965
2007	40,159	53,324	57,504	60,145	61,007
2008	39,867	50,766	56,318	58,294	59,088
2009	38,727	50,679	55,149	56,650	58,566
2010	39,833	51,715	56,323	58,831	59,820
2011	41,715	53,010	57,939	60,117	61,957
2012	41,005	53,428	59,482	62,494	64,484
2013	41,949	56,146	63,704	66,925	67,728
2014	45,032	59,647	66,334	68,430	69,542
2015	46,233	60,767	66,093	68,641	69,714
2016	45,982	59,987	66,245	68,855	69,885
2017	43,749	57,642	63,332	65,860	
2018	44,114	58,141	64,349		
2019	42,608	55,168			
2020	36,027				

PY/RL	Count of Permanent Disability Claims				
	1	2	3	4	5
2002	9,284	11,078	11,784	11,975	12,161
2003	7,824	9,320	9,756	10,101	10,348
2004	5,130	6,080	6,722	7,227	7,958
2005	3,463	4,592	5,383	6,197	6,621
2006	3,324	4,721	5,677	6,216	6,585
2007	3,256	4,816	5,797	6,226	6,596
2008	3,414	5,047	6,109	6,595	6,925
2009	3,782	5,585	6,624	7,273	7,823
2010	3,985	5,767	6,780	7,643	8,197
2011	4,230	6,243	7,635	8,495	9,176
2012	4,991	7,478	9,052	10,091	10,686
2013	6,327	9,358	11,179	12,012	12,233
2014	7,173	10,608	11,918	12,437	12,693
2015	7,905	11,031	12,081	12,574	12,773
2016	8,387	12,670	14,023	14,527	14,964
2017	7,351	9,947	10,866	11,483	
2018	7,507	10,152	11,479		
2019	8,207	11,125			
2020	7,028				

PY/RL	Count of Permanent Disability Claims				
	1	2	3	4	5
2002	74,927	85,916	90,093	90,642	91,067
2003	64,929	73,987	76,055	76,979	78,082
2004	50,594	55,944	58,748	60,183	62,414
2005	41,604	48,528	51,587	54,761	55,101
2006	39,060	46,641	52,215	53,431	54,380
2007	36,903	48,508	51,707	53,819	54,411
2008	36,453	45,719	50,209	51,699	52,143
2009	34,945	45,094	48,525	49,377	50,743
2010	35,848	45,948	49,543	51,188	51,623
2011	37,485	46,767	50,304	51,622	52,781
2012	36,014	45,950	50,430	52,403	53,798
2013	35,622	46,788	52,525	54,913	55,495
2014	37,859	49,039	54,416	55,983	56,849
2015	38,328	49,736	54,012	56,087	56,941
2016	37,595	47,297	52,222	54,128	54,921
2017	36,396	47,695	52,466	54,377	
2018	36,607	47,989	52,870		
2019	34,401	44,043			
2020	28,999				

PY/RL	Median Permanent Disability Rating				
	1	2	3	4	5
2002	15	18	20	20	20
2003	17	20	20	20	20
2004	13	15	16	17	17
2005	10	11	14	13	13
2006	9	11	12	14	13
2007	9	13	13	15	14
2008	10	13	13	15	14
2009	10	14	13	15	14
2010	10	14	12	15	14
2011	10	14	12	15	13
2012	10	10	15	12	15
2013	9	10	15	11	16
2014	8	10	15	10	15
2015	8	10	12	10	14
2016	8	10	12	10	14
2017	8	10	12	10	
2018	8	10	12		
2019	8	10			
2020	9				

PY/RL	Median Permanent Disability Rating				
	1	2	3	4	5
2002	15	16	18	18	20
2003	15	17	15	20	17
2004	11	15	10	19	15
2005	8	12	10	22	31
2006	7	12	10	26	12
2007	8	14	11	37	13
2008	9	15	11	38	14
2009	10	15	11	32	12
2010	10	15	10	36	15
2011	10	15	24	10	14
2012	9	10	22	14	15
2013	8	9	20	12	30
2014	8	8	16	10	20
2015	7	11	13	15	15
2016	7	8	15	10	18
2017	7	8	11	13	
2018	8	8	12		
2019	8	9			
2020	8				

PY/RL	Median Permanent Disability Rating				
	1	2	3	4	5
2002	16	18	20	20	20
2003	17	20	20	20	20
2004	13	15	15	16	16
2005	10	11	12	13	13
2006	9	11	12	13	13
2007	9	13	13	15	14
2008	10	12	13	15	14
2009	10	14	13	15	14
2010	10	14	12	15	13
2011	10	13	12	15	13
2012	10	10	15	12	15
2013	9	10	15	11	15
2014	9	10	14	11	15
2015	8	10	12	10	14
2016	8	10	12	10	13
2017	8	10	12	10	
2018	8	10	12		
2019	9	10			
2020	9				

Note: Cumulative claims include both cumulative and occupational disease claims.

Source: WCIRB unit statistical data

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%
2020	636,310,387	80,258	7,928	-16.2%
2021	709,698,983	80,726	8,791	10.9%
2022	732,184,837	83,499	8,769	-0.3%

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%
2020/2021	1,096,654,734	178,696	6,137	0.2%
2021/2022	1,154,710,130	189,035	6,108	-0.5%

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	7,540	-3.3%
2020	1,728,446,702	258,361	6,690	-7.0%	2020	7,701	2.1%
2021	1,835,381,415	264,592	6,937	3.7%	2021	6,738	2.5%
					Including COVID-19 claims:		
					2020	6,263	-5.6%
					2021	6,509	3.9%

Notes: Fiscal Year Public data prorated to CYs 50%/50%.
Insured System AY 2021 change is based on a comparison of 2021 accidents on 2020 policies to 2020 accidents on 2019 policies.

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

Indemnity Claim Frequency by Layer of Incurred Medical at USR 1st

Indemnity Claim Frequency per \$1M of Exposure at 2020 Wage Level

Accident Year	Layer of Incurred Medical				
	0 2,499	2,500 9,999	10,000 24,999	25,000 & Over	All Claims
2003	0.0495	0.0599	0.0637	0.0399	0.2130
2004	0.0487	0.0545	0.0583	0.0271	0.1886
2005	0.0482	0.0469	0.0489	0.0225	0.1665
2006	0.0461	0.0424	0.0438	0.0235	0.1558
2007	0.0441	0.0384	0.0419	0.0267	0.1512
2008	0.0401	0.0347	0.0409	0.0288	0.1445
2009	0.0395	0.0338	0.0410	0.0303	0.1446
2010	0.0412	0.0348	0.0426	0.0312	0.1498
2011	0.0436	0.0354	0.0425	0.0314	0.1528
2012	0.0440	0.0357	0.0433	0.0319	0.1548
2013	0.0441	0.0362	0.0447	0.0315	0.1566
2014	0.0442	0.0373	0.0454	0.0308	0.1578
2015	0.0432	0.0374	0.0452	0.0299	0.1558
2016	0.0431	0.0369	0.0428	0.0283	0.1511
2017	0.0438	0.0359	0.0415	0.0279	0.1490
2018	0.0428	0.0345	0.0406	0.0274	0.1453
2019	0.0401	0.0324	0.0390	0.0266	0.1381
2020	0.0430	0.0354	0.0422	0.0291	0.1498
2021	0.0449	0.0358	0.0422	0.0254	0.1484

Indemnity Claim Count Distribution

Accident Year	Layer of Incurred Medical				
	0 2,499	2,500 9,999	10,000 24,999	25,000 & Over	All Claims
2003	23.2%	28.1%	29.9%	18.7%	100.0%
2004	25.8%	28.9%	30.9%	14.4%	100.0%
2005	29.0%	28.2%	29.3%	13.5%	100.0%
2006	29.6%	27.2%	28.1%	15.1%	100.0%
2007	29.2%	25.4%	27.7%	17.7%	100.0%
2008	27.8%	24.0%	28.3%	20.0%	100.0%
2009	27.3%	23.4%	28.4%	20.9%	100.0%
2010	27.5%	23.2%	28.5%	20.8%	100.0%
2011	28.6%	23.1%	27.8%	20.5%	100.0%
2012	28.4%	23.1%	27.9%	20.6%	100.0%
2013	28.2%	23.1%	28.6%	20.1%	100.0%
2014	28.0%	23.7%	28.8%	19.5%	100.0%
2015	27.8%	24.0%	29.0%	19.2%	100.0%
2016	28.5%	24.4%	28.3%	18.7%	100.0%
2017	29.4%	24.1%	27.8%	18.7%	100.0%
2018	29.5%	23.7%	27.9%	18.9%	100.0%
2019	29.0%	23.5%	28.2%	19.2%	100.0%
2020	28.7%	23.6%	28.2%	19.4%	100.0%
2021	30.3%	24.1%	28.4%	17.1%	100.0%

Annual Change

Accident Year	Layer of Incurred Medical				
	0 2,499	2,500 9,999	10,000 24,999	25,000 & Over	All Claims
2004	-1.6%	-9.0%	-8.5%	-32.1%	-11.5%
2005	-1.0%	-13.9%	-16.2%	-17.1%	-11.7%
2006	-4.5%	-9.6%	-10.3%	4.4%	-6.4%
2007	-4.3%	-9.4%	-4.4%	13.8%	-3.0%
2008	-9.1%	-9.9%	-2.3%	7.9%	-4.4%
2009	-1.5%	-2.5%	0.3%	5.0%	0.0%
2010	4.2%	3.0%	3.9%	3.1%	3.6%
2011	6.0%	1.6%	-0.4%	0.5%	2.0%
2012	0.8%	1.1%	1.9%	1.6%	1.3%
2013	0.3%	1.3%	3.4%	-1.0%	1.1%
2014	0.4%	3.1%	1.5%	-2.3%	0.8%
2015	-2.3%	0.3%	-0.5%	-3.0%	-1.3%
2016	-0.4%	-1.4%	-5.3%	-5.4%	-3.0%
2017	1.6%	-2.8%	-3.1%	-1.5%	-1.4%
2018	-2.2%	-3.9%	-2.1%	-1.7%	-2.5%
2019	-6.3%	-6.0%	-3.9%	-3.1%	-4.9%
2020	7.3%	9.1%	8.3%	9.6%	8.5%
2021	4.4%	1.2%	-0.2%	-12.6%	-0.9%

Percent of Annual Change Attributable to Each Layer

Accident Year	Layer of Incurred Medical				
	0 2,499	2,500 9,999	10,000 24,999	25,000 & Over	All Claims
2004	-0.4%	-2.5%	-2.5%	-6.0%	-11.5%
2005	-0.2%	-4.0%	-5.0%	-2.5%	-11.7%
2006	-1.3%	-2.7%	-3.0%	0.6%	-6.4%
2007	-1.3%	-2.6%	-1.2%	2.1%	-3.0%
2008	-2.6%	-2.5%	-0.6%	1.4%	-4.4%
2009	-0.4%	-0.6%	0.1%	1.0%	0.0%
2010	1.2%	0.7%	1.1%	0.6%	3.6%
2011	1.7%	0.4%	-0.1%	0.1%	2.0%
2012	0.2%	0.2%	0.5%	0.3%	1.3%
2013	0.1%	0.3%	0.9%	-0.2%	1.1%
2014	0.1%	0.7%	0.4%	-0.5%	0.8%
2015	-0.6%	0.1%	-0.1%	-0.6%	-1.3%
2016	-0.1%	-0.3%	-1.5%	-1.0%	-3.0%
2017	0.5%	-0.7%	-0.9%	-0.3%	-1.4%
2018	-0.7%	-0.9%	-0.6%	-0.3%	-2.5%
2019	-1.9%	-1.4%	-1.1%	-0.6%	-4.9%
2020	2.1%	2.1%	2.3%	1.8%	8.5%
2021	1.3%	0.3%	0.0%	-2.5%	-0.9%

Note: Figures in italics are based on a partial accident year.

Source: WCIRB unit statistical data

COVID-19 claims excluded

Average Paid ALAE per Reported Indemnity Claim - Private Insurers

As of March 31, 2023

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>
2002							5,668	6,064	6,308	6,493
2003						5,528	6,043	6,383	6,647	6,869
2004					4,548	5,212	5,673	6,022	6,283	6,495
2005				3,279	4,191	4,833	5,307	5,673	5,965	6,175
2006			2,176	3,410	4,328	5,022	5,550	5,920	6,211	6,471
2007		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	8,558
2010	87	1,111	2,981	4,586	5,816	6,746	7,484	7,978	8,320	8,567
2011	86	1,127	2,942	4,520	5,796	6,818	7,470	7,920	8,246	8,485
2012	85	1,120	3,012	4,721	6,067	6,965	7,567	7,967	8,300	8,487
2013	98	1,202	3,276	4,985	6,201	7,005	7,532	7,929	8,146	8,301
2014	140	1,340	3,480	5,147	6,287	7,008	7,538	7,844	8,049	8,185
2015	102	1,424	3,577	5,187	6,238	6,952	7,361	7,645	7,828	
2016	108	1,443	3,643	5,220	6,271	6,872	7,285	7,570		
2017	121	1,525	3,740	5,272	6,192	6,789	7,189			
2018	142	1,630	3,891	5,408	6,422	7,077				
2019	149	1,660	3,846	5,455	6,520					
2020	150	1,643	3,965	5,597						
2021	123	1,540	3,777							
2022	140	1,668								
2023	158									

	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>
2003							6.6%	5.2%	5.4%	5.8%
2004						-5.7%	-6.1%	-5.6%	-5.5%	-5.5%
2005					-7.8%	-7.3%	-6.5%	-5.8%	-5.0%	-4.9%
2006				4.0%	3.3%	3.9%	4.6%	4.4%	4.1%	4.8%
2007			7.5%	5.9%	6.7%	7.4%	8.0%	8.6%	9.0%	8.8%
2008		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%	0.1%
2011	-1.4%	1.4%	-1.3%	-1.4%	-0.3%	1.1%	-0.2%	-0.7%	-0.9%	-1.0%
2012	-1.2%	-0.5%	2.4%	4.4%	4.7%	2.1%	1.3%	0.6%	0.6%	0.0%
2013	15.4%	7.3%	8.8%	5.6%	2.2%	0.6%	-0.5%	-0.5%	-1.9%	-2.2%
2014	42.0%	11.5%	6.2%	3.3%	1.4%	0.0%	0.1%	-1.1%	-1.2%	-1.4%
2015	-26.9%	6.3%	2.8%	0.8%	-0.8%	-0.8%	-2.3%	-2.5%	-2.8%	
2016	6.2%	1.3%	1.8%	0.6%	0.5%	-1.2%	-1.0%	-1.0%		
2017	11.8%	5.7%	2.7%	1.0%	-1.3%	-1.2%	-1.3%			
2018	17.4%	6.9%	4.0%	2.6%	3.7%	4.2%				
2019	4.9%	1.8%	-1.2%	0.9%	1.5%					
2020	0.4%	-1.0%	3.1%	2.6%						
2021	-17.6%	-6.3%	-4.7%							
2022	13.4%	8.3%								
2023	12.8%									

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

ALAE on Claims by Region and Loss Type
First Report Level, Open Permanent Disability Claims Only

Proportion of Indemnity Claims with Significant ALAE

Policy Year	Bay Area	Los Angeles	Other CA	CT Claims	Non-CT Claims
2011	65.7%	70.0%	64.0%	64.9%	65.8%
2012	67.3%	69.7%	66.5%	68.8%	67.2%
2013	67.9%	70.7%	67.7%	68.0%	67.9%
2014	69.5%	73.7%	67.5%	70.9%	69.3%
2015	70.2%	74.2%	67.6%	72.5%	70.0%
2016	71.3%	73.4%	69.0%	71.7%	71.2%
2017	73.4%	76.0%	71.0%	71.9%	73.6%
2018	72.1%	76.1%	69.9%	67.7%	72.6%
2019	70.2%	77.2%	69.5%	64.1%	70.9%
2020	73.9%	78.2%	68.0%	63.5%	75.0%

Average ALAE per Claim with Significant ALAE

Policy Year	Bay Area	Los Angeles	Other CA	CT Claims	Non-CT Claims
2011	5,812	5,780	5,550	5,097	5,724
2012	5,454	5,655	5,508	5,176	5,633
2013	5,473	5,822	5,580	5,012	5,799
2014	5,449	5,945	5,707	5,685	5,901
2015	5,908	5,718	5,696	5,484	5,690
2016	5,391	6,077	6,107	5,442	6,146
2017	5,760	6,296	6,121	5,981	6,218
2018	5,946	6,496	6,079	5,722	6,365
2019	5,735	6,301	6,189	5,666	6,405
2020	6,417	6,411	6,187	6,032	6,347

Change in Average ALAE per Claim with Significant ALAE

Policy Year	Bay Area	Los Angeles	Other CA	CT Claims	Non-CT Claims
2011-12	-6.2%	-2.2%	-0.8%	1.6%	-1.6%
2012-13	0.4%	3.0%	1.3%	-3.2%	2.9%
2013-14	-0.5%	2.1%	2.3%	13.4%	1.8%
2014-15	8.4%	-3.8%	-0.2%	-3.5%	-3.6%
2015-16	-8.7%	6.3%	7.2%	-0.8%	8.0%
2016-17	6.8%	3.6%	0.2%	9.9%	1.2%
2017-18	3.2%	3.2%	-0.7%	-4.3%	2.4%
2018-19	-3.6%	-3.0%	1.8%	-1.0%	0.6%
2019-20	11.9%	1.7%	0.0%	6.5%	-0.9%

Significant ALAE are claims with paid ALAE greater than \$1,000.

Source: WCIRB unit statistical data for open permanent disability claims only, excluding COVID-19 claims.

Distribution of Total ALAE & MCCP Components - Private Insurers

<u>Calendar Year</u>	<u>MCCP</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	26.7%	43.6%	29.7%	100.0%
2017	24.8%	46.4%	28.8%	100.0%
2018	25.3%	43.4%	31.3%	100.0%
2019	22.6%	47.2%	30.2%	100.0%
2020	23.6%	46.0%	30.4%	100.0%
2021	23.8%	44.5%	31.7%	100.0%
2022	23.7%	46.8%	29.5%	100.0%

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

Applicant Attorney Expense Paid - Private Insurers

<u>Calendar Year</u>	<u>Applicant Attorney Amounts Paid (in \$millions)</u>	<u>Incurred Losses (in \$millions)</u>	<u>Applicant Attorney Expenses Paid as a Percent of 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	319	6,508	4.9%
2019	377	7,358	5.1%
2020	335	6,424	5.2%
2021	326	6,831	4.8%
2022	342	8,294	4.1%

Source: WCIRB expense calls and quarterly calls for experience

Change in Number of Medical-Legal Reports by Service Year and Quarter

First Quarter of Service Year									
Region	<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>	<u>21-22</u>
Bay Area	-0.7%	-6.7%	-2.4%	-3.6%	-3.9%	-5.8%	-3.8%	0.1%	---
Los Angeles	15.9%	1.7%	6.5%	-3.6%	-5.8%	-0.3%	-0.7%	5.4%	---
Other	14.0%	1.3%	12.9%	-4.0%	4.0%	-5.0%	-5.8%	6.6%	---
All Regions	12.0%	0.1%	6.9%	-3.7%	-2.4%	-2.7%	-2.8%	5.0%	---
Second Quarter of Service Year									
Region	<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>	<u>21-22</u>
Bay Area	-7.5%	0.0%	-5.5%	-0.4%	-2.4%	-6.0%	-23.6%	---	1.2%
Los Angeles	12.5%	2.7%	2.7%	-2.4%	-5.3%	6.2%	-20.9%	---	9.4%
Other	11.4%	3.3%	14.5%	-3.0%	0.4%	-4.5%	-25.6%	---	7.0%
All Regions	8.2%	2.4%	4.9%	-2.3%	-3.0%	0.7%	-22.8%	---	7.4%
Third Quarter of Service Year									
Region	<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>	<u>21-22</u>
Bay Area	-10.4%	0.6%	-3.1%	-1.8%	-5.5%	-8.6%	1.9%	---	6.2%
Los Angeles	6.2%	4.5%	4.3%	-4.3%	-0.7%	6.6%	-6.2%	---	5.5%
Other	11.1%	1.4%	17.2%	-6.1%	1.7%	-1.7%	-10.3%	---	9.4%
All Regions	4.3%	2.8%	7.1%	-4.5%	-0.7%	1.5%	-6.4%	---	6.9%
Fourth Quarter of Service Year									
Region	<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>	<u>21-22</u>
Bay Area	-17.3%	0.0%	18.1%	-4.8%	-1.4%	-4.5%	-2.7%	---	21.5%
Los Angeles	9.5%	1.1%	32.7%	-3.7%	4.0%	9.2%	-8.9%	---	14.2%
Other	17.7%	-8.2%	39.9%	-6.9%	2.6%	1.9%	-12.1%	---	26.6%
All Regions	5.7%	-2.1%	32.2%	-4.9%	2.6%	4.7%	-9.0%	---	18.8%
First Three Quarters of Service Year									
Region	<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>	<u>21-22</u>
Bay Area	-6.1%	-2.2%	-3.7%	-1.9%	-3.9%	-6.8%	-8.9%	---	---
Los Angeles	11.6%	2.9%	4.5%	-3.4%	-4.1%	4.1%	-9.5%	---	---
Other	12.2%	2.0%	14.8%	-4.4%	2.0%	-3.7%	-14.0%	---	---
All Regions	8.2%	1.7%	6.3%	-3.5%	-2.1%	-0.2%	-10.9%	---	---
Service Year									
Region	<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>	<u>21-22</u>
Bay Area	-7.6%	-2.0%	-1.0%	-2.4%	-3.5%	-6.4%	-8.0%	---	---
Los Angeles	11.4%	2.7%	7.5%	-3.5%	-3.0%	4.8%	-9.4%	---	---
Other	12.8%	0.7%	17.6%	-4.7%	2.1%	-3.0%	-13.7%	---	---
All Regions	7.9%	1.3%	9.2%	-3.7%	-1.4%	0.5%	-10.6%	---	---

Note: The number of ML reports for 2021 and 2022 represents the total ML transactions excluding record review transactions (MLPRR). Given that the sub rosa recording review procedure codes were established by the 2021 ML Fee Schedule (FS), the total ML transactions after first quarter of service year 2021 are not comparable to those of the pre-2021 MLFS period.

Source: WCIRB medical data call (MDC).

Change in Payment on Medical-Legal Reports by Service Year and Quarter

First Quarter of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	3.2%	-7.3%	-4.8%	-4.1%	-5.4%	-1.2%	-6.1%	16.6%	20.4%
Los Angeles	32.0%	-2.5%	14.6%	-12.2%	-12.4%	-0.3%	-2.0%	14.6%	13.6%
Other	38.2%	-3.2%	15.0%	-19.0%	1.2%	-7.5%	2.4%	14.8%	45.4%
All Regions	28.3%	-3.4%	12.0%	-13.0%	-8.1%	-2.4%	-1.4%	14.9%	23.1%

Second Quarter of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	-5.8%	-4.2%	-2.3%	-4.7%	-0.8%	-6.8%	-23.3%	70.3%	-0.4%
Los Angeles	21.3%	-0.4%	9.8%	-13.6%	-10.4%	4.3%	-21.1%	51.9%	6.1%
Other	24.0%	7.1%	12.4%	-22.1%	-1.9%	2.2%	-26.4%	120.7%	1.3%
All Regions	17.2%	1.0%	8.9%	-14.9%	-7.0%	2.2%	-22.8%	72.0%	3.7%

Third Quarter of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	-9.3%	-2.1%	1.6%	-9.0%	-1.1%	-2.3%	9.6%	20.4%	5.9%
Los Angeles	15.8%	4.1%	2.4%	-13.3%	-0.4%	4.0%	-0.6%	19.2%	7.6%
Other	19.8%	4.1%	10.1%	-17.0%	-3.6%	6.8%	1.5%	48.5%	10.5%
All Regions	12.5%	3.2%	4.4%	-13.8%	-1.4%	3.9%	1.3%	27.5%	8.3%

Fourth Quarter of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	-18.8%	6.1%	18.8%	-15.0%	9.1%	0.3%	-3.2%	29.4%	19.1%
Los Angeles	21.7%	6.6%	29.3%	-14.3%	2.7%	11.4%	-5.7%	21.5%	18.7%
Other	27.7%	-2.9%	27.7%	-16.7%	8.9%	8.0%	-7.0%	48.4%	25.5%
All Regions	15.0%	3.8%	27.3%	-15.1%	5.2%	8.9%	-5.7%	29.8%	20.8%

First Three Quarters of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	-3.9%	-4.7%	-2.0%	-5.9%	-2.5%	-3.5%	-6.9%	33.0%	8.1%
Los Angeles	23.0%	0.2%	9.1%	-13.0%	-8.2%	2.6%	-8.1%	27.2%	9.0%
Other	27.1%	2.6%	12.5%	-19.4%	-1.4%	0.3%	-7.7%	56.3%	16.1%
All Regions	19.3%	0.1%	8.5%	-13.9%	-5.7%	1.2%	-7.9%	35.8%	11.1%

Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	-5.7%	-3.6%	0.4%	-7.1%	-1.0%	-3.0%	-6.4%	32.5%	9.6%
Los Angeles	22.9%	0.8%	11.2%	-13.2%	-6.9%	3.8%	-7.8%	26.4%	10.4%
Other	27.2%	2.0%	14.1%	-19.1%	-0.2%	1.4%	-7.6%	55.1%	17.3%
All Regions	18.8%	0.5%	10.5%	-14.1%	-4.4%	2.2%	-7.6%	34.9%	12.4%

Note: The number of ML reports for 2021 and 2022 represents the total ML transactions excluding record review transactions (MLPRR). Given that the sub rosa recording review procedure codes were established by the 2021 ML Fee Schedule (FS), the total ML transactions after first quarter of service year 2021 are not comparable to those of the pre-2021 MLFS period.

Source: WCIRB medical data call (MDC).

Change in Medical-Legal Payment per Report by Service Year and Quarter

First Quarter of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	3.9%	-0.7%	-2.5%	-0.5%	-1.5%	4.8%	-2.4%	16.4%	---
Los Angeles	13.9%	-4.1%	7.6%	-8.9%	-7.0%	0.0%	-1.3%	8.7%	---
Other	21.2%	-4.4%	1.9%	-15.5%	-2.8%	-2.6%	8.7%	7.8%	---
All Regions	14.6%	-3.5%	4.8%	-9.7%	-5.8%	0.4%	1.5%	9.4%	---

Second Quarter of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	1.8%	-4.2%	3.4%	-4.4%	1.7%	-0.8%	0.3%	---	-1.6%
Los Angeles	7.9%	-3.0%	6.9%	-11.4%	-5.4%	-1.8%	-0.3%	---	-3.0%
Other	11.3%	3.7%	-1.8%	-19.6%	-2.3%	7.0%	-1.0%	---	-5.3%
All Regions	8.3%	-1.4%	3.8%	-12.8%	-4.1%	1.5%	0.0%	---	-3.5%

Third Quarter of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	1.3%	-2.7%	4.8%	-7.3%	4.6%	6.9%	7.5%	---	-0.3%
Los Angeles	9.1%	-0.3%	-1.8%	-9.4%	0.3%	-2.5%	5.9%	---	1.9%
Other	7.8%	2.6%	-6.1%	-11.6%	-5.2%	8.6%	13.2%	---	1.0%
All Regions	7.9%	0.4%	-2.5%	-9.7%	-0.7%	2.4%	8.2%	---	1.3%

Fourth Quarter of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	-1.7%	6.1%	0.6%	-10.7%	10.6%	5.1%	-0.5%	---	-2.0%
Los Angeles	11.1%	5.4%	-2.5%	-11.1%	-1.2%	2.0%	3.5%	---	4.0%
Other	8.5%	5.8%	-8.7%	-10.6%	6.1%	6.0%	5.7%	---	-0.9%
All Regions	8.7%	6.1%	-3.7%	-10.7%	2.5%	4.0%	3.6%	---	1.7%

First Three Quarters of Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	2.4%	-2.5%	1.8%	-4.0%	1.5%	3.5%	2.2%	---	---
Los Angeles	10.2%	-2.6%	4.4%	-9.9%	-4.3%	-1.4%	1.5%	---	---
Other	13.4%	0.5%	-2.0%	-15.7%	-3.4%	4.2%	7.3%	---	---
All Regions	10.3%	-1.6%	2.1%	-10.8%	-3.7%	1.4%	3.4%	---	---

Service Year									
Region	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22
Bay Area	2.1%	-1.7%	1.5%	-4.9%	2.6%	3.7%	1.7%	---	---
Los Angeles	10.3%	-1.8%	3.4%	-10.0%	-4.0%	-1.0%	1.8%	---	---
Other	12.8%	1.2%	-3.0%	-15.1%	-2.2%	4.5%	7.0%	---	---
All Regions	10.1%	-0.8%	1.2%	-10.7%	-3.0%	1.7%	3.4%	---	---

Note: The number of ML reports for 2021 and 2022 represents the total ML transactions excluding record review transactions (MLPRR). Given that the sub rosa recording review procedure codes were established by the 2021 ML Fee Schedule (FS), the total ML transactions after first quarter of service year 2021 are not comparable to those of the pre-2021 MLFS period.

Source: WCIRB medical data call (MDC).

Average Paid M CCP per Reported Indemnity Claim - Statewide
As of March 31, 2023

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>
2014	169	784	1,312	1,639	1,836	1,959	1,996	2,052
2015	178	777	1,308	1,599	1,783	1,842	1,902	1,956
2016	156	766	1,239	1,504	1,614	1,701	1,771	1,827
2017	169	748	1,219	1,450	1,596	1,692	1,768	
2018	175	801	1,226	1,473	1,631	1,747		
2019	191	734	1,203	1,472	1,648			
2020	179	717	1,171	1,432				
2021	167	681	1,130					
2022	142	646						
2023	161							

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>
2015	4.9%	-0.8%	-0.3%	-2.4%	-2.9%	-6.0%	-4.7%	-4.7%
2016	-12.0%	-1.5%	-5.3%	-6.0%	-9.5%	-7.6%	-6.9%	-6.6%
2017	8.3%	-2.3%	-1.6%	-3.6%	-1.1%	-0.5%	-0.2%	
2018	3.1%	7.0%	0.5%	1.6%	2.2%	3.2%		
2019	9.2%	-8.3%	-1.9%	0.0%	1.1%			
2020	-6.4%	-2.3%	-2.7%	-2.7%				
2021	-6.3%	-5.0%	-3.5%					
2022	-15.2%	-5.1%						
2023	13.2%							

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

Item AC23-09-02

6/30/2023 Experience Review

Staff has prepared an analysis of statewide insurer experience through June 30, 2023, which is included in Exhibits 1 through 8. This information reflects insurers writing approximately 99% of the market based on 2022 premium levels. The methodologies used are consistent with those reflected in the September 1, 2023 Pure Premium Rate Filing. Wage and loss levels are projected to September 1, 2024—the approximate midpoint of experience on policies incepting between September 1, 2023 and August 31, 2024, and premiums were adjusted to the approved advisory pure premium rate level as of September 1, 2022. The accident year 2020 through 2023 information shown in Exhibits 1 through 8 have been adjusted to remove COVID-19 claims. (A summary of COVID-19 claim experience as of June 30, 2023 is included in Exhibit 13.)

As shown on Exhibit 8, the projected loss to pure premium ratio for policies incepting between September 1, 2023 and August 31, 2024 based on June 30, 2023 experience is 0.752. This compares to the projected loss ratio of 0.755 included in the September 1, 2023 Pure Premium Rate Filing.

Additional supplemental information is included in Exhibits 9 through 16.

**California Workers' Compensation
Accident Year Experience as of June 30, 2023**

<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	4,373,802,923	1,509,328,084	5,416,819	1,345,709,146	36,749,370	14,900,963	2,912,104,382	0.666
1988	5,172,689,663	1,707,025,280	5,174,281	1,555,314,418	20,890,655	68,950,854	3,357,355,488	0.649
1989	5,675,354,099	1,943,509,592	4,988,908	1,815,238,379	31,455,632	44,644,971	3,839,837,482	0.677
1990	5,704,833,514	2,266,984,515	4,380,268	2,062,146,189	25,994,138	56,175,499	4,415,680,609	0.774
1991	5,866,830,467	2,487,563,711	11,784,206	2,218,691,869	31,193,212	55,673,083	4,804,906,081	0.819
1992	5,685,646,721	1,984,838,145	10,274,286	1,779,944,218	31,314,538	49,243,155	3,855,614,342	0.678
1993	5,935,051,898	1,699,387,555	8,520,195	1,528,384,142	42,429,628	53,812,216	3,332,533,736	0.562
1994	5,031,286,773	1,636,096,712	13,803,662	1,487,922,531	55,514,487	42,300,142	3,235,637,534	0.643
1995	3,789,372,110	1,775,630,777	18,212,578	1,651,815,041	72,464,417	32,094,954	3,550,217,767	0.937
1996	3,746,680,214	1,969,479,296	22,026,476	1,748,672,763	65,406,078	54,107,374	3,859,691,987	1.030
1997	3,926,898,608	2,335,602,530	25,537,167	2,050,590,054	81,943,994	88,136,895	4,581,810,640	1.167
1998	4,332,127,034	2,792,388,330	32,671,398	2,711,612,470	133,622,381	169,895,595	5,840,190,174	1.348
1999	4,550,437,880	3,069,585,094	33,239,311	3,099,195,249	102,731,664	234,841,650	6,539,592,968	1.437
2000	5,920,961,162	3,454,720,912	46,260,666	3,633,379,786	142,926,403	364,466,992	7,641,754,759	1.291
2001	10,108,322,683	4,886,959,833	59,626,664	5,474,360,596	224,485,709	576,254,205	11,221,687,007	1.110
2002	13,309,435,814	4,790,493,349	61,128,963	5,558,021,740	203,376,981	813,946,154	11,426,967,187	0.859
2003	19,280,128,929	4,582,373,524	101,764,698	5,143,634,461	214,531,455	1,188,766,577	11,231,070,715	0.583
2004	23,014,791,568	3,249,757,434	88,933,829	4,139,652,229	179,717,250	1,300,694,625	8,958,755,367	0.389
2005	21,384,360,071	2,580,759,125	76,877,991	3,750,322,644	158,499,798	1,057,306,909	7,623,766,467	0.357
2006	17,221,780,296	2,677,472,056	75,644,152	3,873,550,638	194,307,624	696,018,733	7,516,993,203	0.436
2007	13,260,139,026	2,825,989,790	87,292,394	4,144,042,556	197,414,130	658,527,140	7,913,266,010	0.597
2008	10,744,447,308	2,878,665,271	106,483,783	4,140,603,785	221,054,121	397,584,147	7,744,391,107	0.721
2009	8,873,155,994	2,769,007,469	98,409,830	3,966,456,714	226,225,725	343,710,371	7,403,810,109	0.834
2010	9,374,814,819	2,789,616,661	85,194,534	4,067,415,715	176,676,242	431,667,989	7,550,571,141	0.805
2011	10,120,427,050	2,770,522,860	97,673,648	3,705,138,480	212,257,083	702,877,813	7,488,469,884	0.740
2012	11,699,330,284	2,840,821,007	124,173,013	3,633,935,062	219,860,223	636,147,723	7,454,937,028	0.637
2013	14,161,005,539	2,886,436,229	110,976,476	3,481,925,159	225,455,172	1,118,641,381	7,823,434,417	0.552
2014	15,959,364,947	3,045,989,981	141,395,797	3,452,706,523	250,236,667	1,465,160,181	8,355,489,149	0.524
2015	16,976,485,663	3,115,067,092	167,518,184	3,391,006,008	298,342,262	1,821,876,204	8,793,809,750	0.518
2016	17,851,375,501	3,039,983,219	208,184,508	3,289,527,819	344,271,197	1,824,378,190	8,706,344,933	0.488
2017	17,583,531,532	2,981,209,131	289,260,248	3,229,412,075	469,811,662	1,887,013,475	8,856,706,591	0.504
2018	17,334,659,391	2,973,339,559	394,583,714	3,275,583,786	587,368,274	2,680,492,245	9,911,367,578	0.572
2019	16,034,042,320	2,959,030,579	588,335,020	3,163,621,933	763,478,937	2,419,684,994	9,894,151,463	0.617
2020	14,025,690,699	2,335,276,147	683,370,107	2,500,898,649	915,203,774	2,250,529,087	8,685,277,764	0.619
2021	13,470,941,727	1,920,525,337	960,382,595	2,081,932,128	1,285,482,118	2,933,134,789	9,181,456,967	0.682
2022	15,149,381,362	1,147,043,314	1,067,866,588	1,317,471,102	1,579,410,583	4,406,398,764	9,518,190,351	0.628
2023	7,783,721,158	133,646,133	341,214,651	177,624,472	664,582,478	3,074,387,379	4,391,455,113	0.564

* 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 and COVID-19 premium charges.

Incurred Indemnity Loss Development Factors

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
1996																
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2021																
Selected (a)	1.432	1.152	1.071	1.032	1.021	1.014	1.008	1.008	1.008	1.007	1.006	1.005	1.003	1.004	1.002	1.002
Cumulative	2.012	1.405	1.220	1.139	1.104	1.081	1.066	1.058	1.049	1.041	1.034	1.028	1.024	1.020	1.017	1.014

(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	318/306	Age-to-Age (in months)										402/390	414/402	426/414	438/426	450/438	462/450	ULT/462Inc (b)
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	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000					
1985								1.001	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.001	1.000	1.000	1.000					
1986							1.001	1.000	1.002	1.002	1.000	0.999	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.001	1.000					
1987						1.001	1.000	1.002	1.001	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000					
1988				1.000	1.001	1.002	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000					
1989			1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000					
1990			1.000	1.000	1.001	1.000	1.001	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000					
1991		1.000	1.000	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.001	1.000	1.000	1.000					
1992	1.000	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	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	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.001	1.000	1.000	1.000					
1994	1.002	1.002	1.001	1.000	1.001	1.000	1.000	1.001	1.002	1.001	1.002	1.000	1.000	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000					
1995	1.002	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000					
1996	1.002	1.000	1.001	1.001	1.001	1.000	1.002	1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.000					
1997	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.000	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.001	1.001	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	1.000	1.000	1.000					
1999	1.000	1.000	1.002	1.001	1.001	1.000	1.000	1.000	1.002	1.001	1.002	1.001	1.000	1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.000					
2000	1.002	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	1.000	1.000	1.000	1.000					
2001	1.001	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	1.000	1.000	1.000	1.000					
2002	1.002	1.002	1.000	1.000																						
2003	1.001	1.002	1.001																							
2004	1.001	1.001																								
2005	1.002																									
Selected (a)	1.002	1.001	1.001	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000					
cumulative	1.012	1.010	1.009	1.008	1.008	1.008	1.007	1.006	1.006	1.005	1.005	1.004	1.004	1.004	1.004	1.004	1.003	1.002	1.002	1.002	1.002					
																					1.002					

Selected (a)
Cumulative

(b) The ULT/462Inc 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>
1997																
1998																
1999																
2000										1.018	1.020	1.019	1.010	1.008	1.006	1.003
2001									1.022	1.019	1.016	1.011	1.011	1.010	1.002	1.000
2002								1.028	1.032	1.019	1.018	1.014	1.010	1.003	0.996	0.996
2003							1.034	1.026	1.026	1.018	1.010	1.006	1.002	0.998	0.997	0.997
2004						1.043	1.038	1.033	1.024	1.016	1.006	1.006	0.997	0.999	1.001	0.998
2005					1.060	1.052	1.036	1.029	1.024	1.006	1.003	0.998	0.999	1.001	1.002	1.004
2006				1.083	1.055	1.050	1.030	1.026	1.014	1.007	1.000	1.003	0.998	0.999	1.001	0.999
2007		1.150	1.092	1.073	1.063	1.036	1.025	1.011	1.006	1.003	1.004	1.001	1.002	1.000	0.999	1.005
2008	1.294	1.164	1.101	1.074	1.051	1.031	1.017	1.006	1.006	1.004	1.002	0.997	1.000	0.998	0.999	
2009	1.322	1.170	1.117	1.072	1.042	1.023	1.009	1.007	1.003	1.009	1.002	1.001	1.002	1.002		
2010	1.347	1.184	1.096	1.058	1.035	1.017	1.011	1.011	1.005	1.001	1.001	1.001				
2011	1.340	1.157	1.090	1.049	1.023	1.015	1.008	1.004	1.004	1.003	1.005					
2012	1.282	1.127	1.071	1.044	1.021	1.015	1.011	1.005	1.000	1.004						
2013	1.257	1.107	1.061	1.026	1.019	1.009	1.004	1.003	1.006	1.004						
2014	1.240	1.110	1.050	1.033	1.018	1.008	1.007	1.007								
2015	1.247	1.096	1.041	1.024	1.012	1.004	1.008									
2016	1.213	1.069	1.044	1.021	1.014	1.008										
2017	1.192	1.084	1.030	1.027	1.016											
2018	1.185	1.072	1.040	1.027												
2019	1.195	1.086	1.052													
2020	1.239	1.104														
2021	1.233															
Selected (a)	1.233	1.104	1.052	1.027	1.016	1.008	1.008	1.007	1.004	1.004	1.003	1.001	1.000	1.000	1.000	1.000
Cumulative	1.535	1.245	1.128	1.072	1.044	1.027	1.019	1.011	1.004	1.000	0.996	0.993	0.992	0.993	0.993	0.993

(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	318/306	Age-to-Age (in months)										366/354	378/366	390/378	402/390	414/402	426/414	438/426	450/438	462/450	ULT/462Inc (c)
1983										1.003	1.004	1.004	1.004	1.002	1.002	1.004	1.004	1.000	1.000	0.997	1.000	1.004	0.996	1.000					
1984									1.001	1.004	1.001	1.001	1.002	1.003	1.003	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999					
1985								1.002	1.003	1.005	1.003	1.004	1.004	1.004	0.999	1.000	0.999	1.001	1.000	1.000	1.001	1.000	1.000	1.000					
1986							1.006	1.007	1.005	1.004	1.004	1.001	1.001	1.000	0.998	1.009	0.999	0.993	1.001	1.002	1.002	1.001	1.001						
1987					1.010	1.001	1.001	1.004	1.003	1.004	1.001	1.001	1.001	1.000	1.001	1.003	1.003	0.998	1.000	1.002	1.002	1.000	1.000						
1988					1.005	1.003	1.005	1.003	1.003	1.003	1.001	0.999	1.001	0.999	0.998	1.000	1.002	0.999	1.000	1.000	1.000	1.000	1.000						
1989			1.006	1.005	1.003	1.003	0.999	1.000	1.002	0.998	0.999	0.999	0.999	1.000	0.999	1.000	1.002	0.999	1.000	0.999	1.000	0.999	1.000						
1990		1.007	1.005	1.003	1.003	1.003	0.999	1.000	1.001	1.000	0.998	0.999	0.999	1.001	0.999	1.000	1.002	0.999	1.000	0.999	1.000	0.999	1.000						
1991		1.004	1.002	1.004	1.004	1.001	1.002	1.001	0.999	0.999	0.999	0.999	1.001	0.999	1.001	1.000	1.000	0.999	1.000	1.001	1.000	1.000	1.000						
1992	1.007	0.997	1.007	1.004	1.004	1.002	0.999	0.999	1.002	0.997	1.001	1.000	0.997	0.998	0.998	0.999	1.000	0.999	1.000	0.999	1.000	0.999	1.000						
1993	1.004	1.013	1.011	1.002	1.000	0.998	0.996	0.999	0.999	1.000	0.997	1.000	0.997	0.998	0.998	1.000	1.000	0.999	1.000	0.999	1.000	0.999	1.000						
1994	1.012	1.005	1.006	1.001	1.003	0.993	0.999	0.998	1.002	0.998	0.998	1.000	0.997	0.998	0.998	0.998	0.998	0.998	0.999	1.000	1.000	1.000	1.000						
1995	1.002	1.007	1.002	0.999	0.999	0.997	0.999	1.003	1.000	1.000	1.000	1.000	1.003	1.003	1.003	1.003	1.003	0.998	1.000	1.000	1.000	1.000	1.000						
1996	1.008	1.001	0.998	1.002	0.996	0.999	0.999	0.999	0.999	1.001	0.999	0.999	1.001	0.999	0.999	1.000	0.999	0.999	1.000	0.999	1.000	0.999	1.000						
1997	0.998	0.994	0.998	0.998	1.000	0.999	0.995	1.000	0.999	0.999	0.999	0.999	1.000	0.999	0.994	0.999	0.999	0.999	1.000	0.999	1.000	0.999	1.000						
1998	1.000	0.997	0.999	1.004	1.001	0.998	0.999	0.994	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	0.999	1.000						
1999	0.996	1.000	0.998	1.000	0.998	0.999	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.999	0.999	0.999	0.999	0.999	1.000	0.999	1.000						
2000	0.998	0.999	1.001	0.997	0.999	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.999	0.999	0.999	0.999	0.999	1.000	0.999	1.000						
2001	1.004	0.998	0.999	0.998	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	0.999	1.000						
2002	1.001	1.000	0.998	1.002	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	0.999	1.000						
2003	1.000	0.999	0.999	0.999	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	0.999	1.000						
2004	1.001	1.000	0.999	0.999	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	0.999	1.000						
2005	1.001	1.000	0.999	0.999	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	1.000	0.999	1.000						

Selected (a)
Cumulative

1.001
0.993

(c) The ULT/462Inc 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)					150/138	162/150	174/162	186/174	198/186	210/198
								114/102	126/114	138/126								
1997																		
1998													1.009	1.007	1.007	1.006	1.005	1.004
1999										1.012			1.010	1.009	1.008	1.007	1.005	1.006
2000									1.014	1.011			1.010	1.008	1.008	1.006	1.005	1.004
2001									1.016	1.013			1.012	1.009	1.008	1.006	1.004	1.004
2002								1.020	1.017	1.014			1.009	1.009	1.006	1.006	1.006	1.005
2003								1.025	1.022	1.018			1.014	1.009	1.009	1.007	1.006	1.007
2004								1.040	1.023	1.017			1.013	1.011	1.008	1.009	1.008	1.006
2005								1.047	1.023	1.018			1.014	1.011	1.011	1.009	1.008	1.004
2006								1.042	1.024	1.019			1.014	1.010	1.009	1.009	1.005	1.006
2007								1.038	1.024	1.016			1.015	1.013	1.009	1.007	1.005	
2008	1.933	1.351	1.182	1.114	1.076	1.056	1.038	1.031	1.024	1.016			1.015	1.013	1.009	1.007	1.005	
2009	2.012	1.386	1.200	1.118	1.072	1.049	1.035	1.024	1.020	1.017			1.011	1.010	1.009	1.009	1.008	1.006
2010	2.020	1.402	1.207	1.118	1.075	1.050	1.037	1.027	1.021	1.014			1.012	1.012	1.008	1.009	1.008	1.004
2011	2.035	1.414	1.201	1.114	1.073	1.047	1.033	1.023	1.018	1.013			1.012	1.008	1.009	1.009	1.005	1.006
2012	2.019	1.394	1.190	1.113	1.069	1.048	1.034	1.020	1.017	1.012			1.008					
2013	2.013	1.387	1.186	1.108	1.067	1.042	1.027	1.020	1.015	1.014								
2014	2.066	1.396	1.176	1.095	1.056	1.034	1.024	1.017	1.013									
2015	2.056	1.372	1.166	1.082	1.052	1.031	1.022	1.017										
2016	1.999	1.359	1.148	1.079	1.049	1.033	1.022											
2017	1.990	1.338	1.149	1.082	1.051	1.033												
2018	1.934	1.337	1.151	1.087	1.051													
2019	1.950	1.349	1.168															
2020	1.905	1.349																
2021	1.880																	
Selected (a)	1.880	1.349	1.168	1.087	1.051	1.033	1.022	1.017	1.015	1.013			1.011	1.010	1.009	1.007	1.006	1.005
Cumulative	4.089	2.175	1.612	1.380	1.270	1.208	1.170	1.145	1.125	1.109			1.095	1.083	1.072	1.063	1.055	1.049

(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.

Paid Indemnity Loss Development Factors (Continued)

Accident Year	222/210	234/222	246/234	258/246	270/258	282/270	294/282	306/294	318/306	330/318	Age-to-Age (in months)						378/366	390/378	402/390	414/402	426/414	438/426	450/438	462/450	ULT/462Pd (b)
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	1.001	1.001		
1984										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		
1985									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		
1986							1.001	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		
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	1.001	1.001	1.001	1.001	1.001	1.001		
1988				1.001	1.001	1.002	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		
1989			1.001	1.001	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		
1990		1.001	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.000	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		
1991	1.001	1.001	1.002	1.002	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		
1992	1.002	1.001	1.002	1.003	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		
1993	1.003	1.003	1.002	1.003	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		
1994	1.004	1.003	1.003	1.003	1.002	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		
1995	1.004	1.004	1.002	1.002	1.003	1.002	1.002	1.002	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		
1996	1.004	1.004	1.004	1.003	1.002	1.003	1.002	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001		
1997	1.004	1.003	1.002	1.002	1.003	1.003	1.003	1.002	1.002	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		
1998	1.005	1.004	1.003	1.004	1.002	1.003	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		
1999	1.004	1.003	1.003	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001		
2000	1.004	1.003	1.003	1.003	1.002	1.002	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		
2001	1.005	1.004	1.004	1.002	1.002	1.002	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		
2002	1.004	1.004	1.003	1.002	1.002	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		
2003	1.007	1.003	1.003	1.002	1.002	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		
2004	1.003	1.003	1.003	1.002	1.002	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		
2005	1.004	1.003	1.003	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001		

Selected (a)
Cumulative

1.005
1.043

1.003
1.039

1.002
1.032

1.002
1.029

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(b) The ULT/462Pd 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	210/198
1997																
1998																
1999																
2000																
2001																
2002																
2003																
2004																
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2016																
2017																
2018																
2019																
2020																
2021																

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	210/198
2004																1.010
2005															1.011	1.008
2006															1.008	1.009
2007															1.007	
2008																
2009																
2010																
2011																
2012																
2013																
2014																
2015																
2016																
2017																
2018																
2019																
2020																
2021																

Selected (c)	1.684	1.310	1.158	1.082	1.056	1.034	1.027	1.020	1.017	1.014	1.012	1.011	1.010	1.010	1.009	1.009
Cumulative Unadjusted for Impact of SB 1160	4.028	2.392	1.826	1.577	1.457	1.380	1.335	1.299	1.274	1.253	1.236	1.221	1.207	1.196	1.184	1.174
Cumulative Adjusted for Impact of SB 1160(d)	4.006	2.379	1.816	1.568	1.449	1.373	---	---	---	---	---	---	---	---	---	---

- (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 impact of pharmaceutical cost reductions through 2018 and the 2021 changes to the Official Medical Fee Schedule and Medical-Legal Fee Schedule in order to bring the historical payments to the current pharmaceutical and medical service 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 factor for 78 months is adjusted by -0.5% for the impact of the SB 1160 reductions in future lien filings.

Paid Medical Loss Development Factors (Continued)

Unadjusted (a)	Age-to-Age (in months)																					
Accident Year	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	414/402	426/414	438/426	450/438	462/450	ULT/462Pd (e)
1983										1.005	1.004	1.004	1.003	1.004	1.004	1.002	1.004	1.003	1.002	1.003	1.002	
1984									1.003	1.004	1.003	1.003	1.003	1.003	1.002	1.002	1.001	1.002	1.002	1.001	1.001	
1985								1.004	1.003	1.004	1.004	1.003	1.002	1.002	1.003	1.002	1.002	1.002	1.002	1.001	1.002	
1986							1.005	1.005	1.005	1.005	1.005	1.006	1.004	1.005	1.005	1.003	1.002	1.003	1.002	1.002		
1987						1.005	1.005	1.005	1.004	1.006	1.004	1.003	1.003	1.002	1.003	1.002	1.003	1.002	1.002	1.002		
1988					1.005	1.005	1.005	1.005	1.004	1.003	1.003	1.003	1.004	1.003	1.002	1.003	1.002	1.002	1.002	1.002		
1989				1.005	1.006	1.008	1.006	1.005	1.006	1.003	1.003	1.004	1.002	1.004	1.002	1.002	1.002	1.002	1.002	1.002		
1990			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	1.002	1.002	1.002	1.001	1.001	
1991		1.006	1.005	1.006	1.006	1.006	1.005	1.003	1.003	1.003	1.004	1.003	1.002	1.003	1.002	1.001	1.002	1.002	1.002	1.001	1.001	
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	1.002							
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	1.002	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	1.002	1.002	1.002								
1995	1.014	1.015	1.012	1.010	1.013	1.007	1.007	1.008	1.005	1.004	1.004	1.003	1.004	1.004								
1996	1.013	1.013	1.010	1.007	1.008	1.009	1.006	1.006	1.005	1.004	1.004	1.003	1.002	1.002								
1997	1.014	1.008	1.006	1.006	1.008	1.006	1.006	1.004	1.003	1.004	1.004	1.004	1.003	1.002								
1998	1.012	1.009	1.007	1.010	1.006	1.007	1.006	1.006	1.006	1.005	1.004	1.004	1.003	1.002								
1999	1.011	1.009	1.009	1.007	1.005	1.005	1.003	1.006														
2000	1.008	1.007	1.006	1.006	1.004	1.003																
2001	1.010	1.009	1.008	1.004	1.005																	
2002	1.008	1.007	1.005	1.004																		
2003	1.009	1.006	1.005																			
2004	1.006	1.005																				
2005	1.005																					

Adjusted (b)	Age-to-Age (in months)																						
	Accident Year	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	414/402	426/414	438/426	450/438	462/450	ULT/462Pd (e)
1983																						1.002	
1984																					1.001	1.001	
1985																				1.002	1.002	1.003	
1986																				1.002	1.002		
1987																			1.003	1.003			
1988																		1.003	1.003	1.002			
1989																		1.003	1.003				
1990																		1.002					
1991																		1.003					
1992																		1.002					
1993																		1.003					
1994																		1.003					
1995																		1.002					
1996																		1.003					
1997																		1.003					
1998																		1.002					
1999																		1.002					
2000																		1.005					
2001																		1.004					
2002																		1.004					
2003																		1.005					
2004																		1.005					
2005																		1.006					
Selected (c)		1.008	1.007	1.006	1.006	1.005	1.006	1.005	1.006	1.005	1.005	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.002	1.002	1.002	
Cumulative		1.163	1.154	1.147	1.139	1.133	1.127	1.121	1.115	1.109	1.103	1.098	1.094	1.090	1.088	1.085	1.082	1.079	1.076	1.075	1.073	1.073	1.071

(e) The ULT/462Pd 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	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
1996																					
1997																					
1998																					
1999																					
2000																					
2001																					
2002																					
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2014																					
2015																					
2016																					
2017																					
2018																					
2019																					
2020																					
2021																					
Selected (a)	1.883(b)	1.332(b)	1.174(b)	1.096(b)	1.054(b)	1.033	1.022	1.017	1.015	1.013	1.011	1.010	1.009	1.007	1.006	1.005	1.005	1.003	1.003	1.002	1.002
Cumulative	4.091	2.173	1.632	1.390	1.269	1.203	1.165	1.140	1.121	1.104	1.090	1.078	1.068	1.059	1.051	1.045	1.039	1.034	1.031	1.027	1.025

(a) Selections are latest year 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 latest year 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	450/438	462/450	ULT/462Pd (d)
1983					1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.001	
1984				1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.001	1.000	1.001	1.001	1.001	1.001	
1985			1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.000	
1986		1.001	1.001	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.000	1.000	1.000		
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	1.000	1.000	1.000		
1988	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.001	1.001	1.000	1.000			
1989	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000				
1990	1.001	1.001	1.001	1.001	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.000					
1991	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000			
1992	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				
1993	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	1.000			
1994	1.002	1.002	1.001	1.001	1.001	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000			
1995	1.002	1.002	1.003	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000			
1996	1.003	1.002	1.003	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.000	1.000			
1997	1.003	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000		
1998	1.003	1.002	1.001														
1999	1.002	1.001															
2000	1.002																
Unadjusted (a)	1.002	1.002	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.000	1.000	1.001	1.001	1.010
Selected (c)	1.002	1.002	1.002	1.001	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.001	1.000	1.000	1.001	1.001	1.007
Cumulative	1.023	1.021	1.019	1.017	1.015	1.014	1.013	1.012	1.011	1.010	1.009	1.009	1.008	1.008	1.008	1.008	1.007

(c) Adjusted for the impact of changes in claim settlement rates on later period development for 306 months and later. See Exhibits 2.5.9 through 2.5.12.

(d) The ULT/462Pd 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 Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2014						139,516
2015					143,982	144,201
2016				147,052	147,354	147,469
2017			147,293	147,923	148,192	148,336
2018		148,561	150,172	150,606	150,979	
2019	142,826	151,109	153,058	153,825		
2020	125,080	132,118	133,766			
2021	137,411	145,165				
2022	145,883					

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>
2015					1.002	
2016				1.002	1.001	
2017			1.004	1.002	1.001	
2018		1.011	1.003	1.002		
2019	1.058	1.013	1.005			
2020	1.056	1.012				
2021	1.056					
Latest Year	1.056	1.012	1.005	1.002	1.001	
Cumulative	1.085	1.027	1.015	1.010	1.007	1.006

Acc. Year	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>
Ult. Claim Counts	158,337	149,141	135,737	155,313	152,063	149,256

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>
2014						128,747
2015					129,299	133,575
2016				125,972	132,830	137,064
2017			115,428	126,815	133,495	137,949
2018		95,795	115,379	127,792	135,373	
2019	63,708	93,636	114,969	128,853		
2020	54,829	81,043	99,802			
2021	63,754	91,643				
2022	67,211					

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>
2014						91.7%
2015					89.1%	92.0%
2016				84.9%	89.5%	92.4%
2017			77.3%	85.0%	89.4%	92.4%
2018		63.0%	75.9%	84.0%	89.0%	
2019	41.0%	60.3%	74.0%	83.0%		
2020	40.4%	59.7%	73.5%			
2021	42.7%	61.4%				
2022	42.4%					

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>
2014						129,761
2015					129,195	134,130
2016				123,104	132,097	137,143
2017			109,742	123,828	132,874	137,949
2018		93,438	111,806	126,157	135,373	
2019	65,928	95,435	114,196	128,853		
2020	57,618	83,406	99,802			
2021	63,308	91,643				
2022	67,211					

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>
2014						18,562
2015					17,661	18,812
2016				15,525	17,189	18,361
2017			12,829	15,457	17,198	18,413
2018		9,274	13,189	15,817	17,673	
2019	4,732	9,296	13,526	16,754		
2020	5,184	10,021	14,648			
2021	4,845	9,603				
2022	5,491					

- (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)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2014						18,852
2015					17,637	18,972
2016				14,893	17,003	18,385
2017			11,614	14,720	17,028	18,413
2018		8,807	12,369	15,443	17,673	
2019	4,975	9,595	13,344	16,754		
2020	5,561	10,512	14,648			
2021	4,804	9,603				
2022	5,491					

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

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>
2014						2,446,297
2015					2,278,577	2,544,712
2016				1,833,352	2,246,096	2,521,382
2017			1,274,511	1,822,749	2,262,600	2,540,104
2018		822,951	1,382,887	1,948,283	2,392,508	
2019	328,003	915,698	1,523,785	2,158,768		
2020	320,405	876,742	1,461,929			
2021	304,158	880,017				
2022	369,063					

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

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>
2014						434,038
2015					527,855	437,628
2016				638,836	517,154	426,032
2017			799,755	661,441	540,814	441,463
2018		888,203	854,417	714,809	580,978	
2019	661,430	1,007,280	978,594	800,308		
2020	624,872	919,628	873,400			
2021	712,848	1,041,021				
2022	780,372					

(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>
2014						40,304
2015					36,980	41,185
2016				30,840	37,040	40,945
2017			23,638	32,269	38,300	42,501
2018		13,500	23,566	31,573	37,228	
2019	8,360	17,526	24,537	32,048		
2020	8,895	18,005	25,715			
2021	7,585	19,450				
2022	9,919					

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>
2014						-40,869
2015					3,846	-22,857
2016				88,450	27,150	-3,235
2017			134,404	96,388	23,784	
2018		31,819	84,201	51,623		
2019	-18,559	-31,530	18,967			
2020	-24,808	-42,547				
2021	3,383					

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>
2014						393,169
2015					531,701	414,771
2016				727,286	544,304	422,798
2017			934,158	757,829	564,598	441,463
2018		920,022	938,618	766,431	580,978	
2019	642,870	975,750	997,561	800,308		
2020	600,064	877,081	873,400			
2021	716,231	1,041,021				
2022	780,372					

(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)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2014						2,839,467
2015					2,810,278	2,959,483
2016				2,560,638	2,790,400	2,944,180
2017			2,208,669	2,580,578	2,827,198	2,981,567
2018		1,742,973	2,321,505	2,714,715	2,973,486	
2019	970,873	1,891,448	2,521,346	2,959,076		
2020	920,470	1,753,823	2,335,329			
2021	1,020,388	1,921,037				
2022	1,149,434					

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

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>
2014					
2015					1.053
2016				1.090	1.055
2017			1.168	1.096	1.055
2018		1.332	1.169	1.095	
2019	1.948	1.333	1.174		
2020	1.905	1.332			
2021	1.883				
Latest Year	1.883	1.332	1.174	1.095	1.055
3-Year Average	1.912	1.332	1.170	1.094	1.054

O. Paid Indemnity Loss Development Factors (i)

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>
2015					1.049
2016				1.079	1.051
2017			1.150	1.082	1.051
2018		1.337	1.151	1.087	
2019	1.950	1.349	1.168		
2020	1.905	1.349			
2021	1.880				

(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>
2015					0.35%
2016				0.97%	0.41%
2017			1.64%	1.25%	0.33%
2018		-0.42%	1.55%	0.79%	
2019	-0.10%	-1.21%	0.49%		
2020	0.03%	-1.26%			
2021	0.13%				

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>
2015					1.053
2016				1.089	1.055
2017			1.168	1.096	1.054
2018		1.331	1.169	1.096	
2019	1.948	1.333	1.174		
2020	1.906	1.332			
2021	1.883				
Latest Year	1.883	1.332	1.174	1.096	1.054
2-Year Average	1.894	1.332	1.171	1.096	1.055
3-Year Average	1.912	1.332	1.170	1.094	1.054

- (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>306</u>	<u>318</u>	<u>330</u>	<u>342</u>	<u>354</u>	<u>366</u>	<u>378</u>	<u>390</u>	<u>402</u>	<u>414</u>
1989							210,965	211,017	211,068	211,051
1990						230,935	231,002	231,070	231,108	
1991					231,359	231,442	231,505	231,537		
1992				182,210	182,294	182,340	182,392			
1993			142,736	142,805	142,880	142,913				
1994		129,997	130,099	130,180	130,222					
1995	120,831	120,935	121,030	121,082						
1996	115,253	115,355	115,402							
1997	121,541	121,600								
1998	131,809									

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>
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<u>2. Ult. Claim Counts (a)</u>	132,903	122,439	116,055	121,652	130,683	143,289	182,751	231,929	231,359	211,393
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3. Ultimate Indemnity Claim Settlement Ratio (b)

Accident	Evaluated as of (in months)									
Year	<u>306</u>	<u>318</u>	<u>330</u>	<u>342</u>	<u>354</u>	<u>366</u>	<u>378</u>	<u>390</u>	<u>402</u>	<u>414</u>
1989							99.8%	99.8%	99.8%	99.8%
1990						99.8%	99.8%	99.9%	99.9%	
1991					99.8%	99.8%	99.8%	99.8%		
1992				99.7%	99.8%	99.8%	99.8%			
1993			99.6%	99.7%	99.7%	99.7%				
1994		99.5%	99.6%	99.6%	99.6%					
1995	99.3%	99.4%	99.5%	99.5%						
1996	99.3%	99.4%	99.4%							
1997	99.3%	99.3%								
1998	99.2%									

(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>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>	<u>390-402</u>	<u>402-414</u>
1989								12.1%	13.6%	---
1990							15.8%	19.1%	13.2%	
1991						14.6%	12.9%	7.6%		
1992					15.5%	10.1%	12.7%			
1993				12.5%	15.5%	8.1%				
1994			14.9%	13.9%	8.3%					
1995		12.7%	13.2%	8.4%						
1996	12.0%	12.7%	6.7%							
1997	10.7%	6.6%								
1998	6.4%									
3-Year Average	9.7%	10.6%	11.6%	11.6%	13.1%	10.9%	13.8%	12.9%	13.4%	
Share of Open on Prior (d)	90.3%	89.4%	88.4%	88.4%	86.9%	89.1%	86.2%	87.1%	86.6%	

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

Accident	Evaluated as of (in months)									
Year	<u>306</u>	<u>318</u>	<u>330</u>	<u>342</u>	<u>354</u>	<u>366</u>	<u>378</u>	<u>390</u>	<u>402</u>	
1989										
1990										251
1991								392		339
1992							359	312		271
1993						376	324	282		245
1994					461	411	354	308		267
1995				570	496	442	381	331		287
1996			653	578	502	447	385	336		291
1997		839	742	656	570	508	438	381		330
1998	1,094	977	864	764	664	591	510	444		385
1999	1,075	961	850	751	653	582	501	436		378
...										
2021	568	508	449	397	345	307	265	231		200
2022	607	542	479	424	368	328	283	246		213

- (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)								
<u>Year</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>	<u>402</u>
1989								0.2%	0.2%
1990							0.2%	0.1%	0.1%
1991						0.2%	0.2%	0.2%	0.1%
1992					0.2%	0.2%	0.2%	0.2%	0.1%
1993				0.3%	0.3%	0.3%	0.2%	0.2%	0.2%
1994			0.4%	0.4%	0.4%	0.3%	0.3%	0.2%	0.2%
1995		0.6%	0.5%	0.5%	0.4%	0.4%	0.3%	0.3%	0.2%
1996	0.7%	0.6%	0.6%	0.5%	0.4%	0.4%	0.3%	0.3%	0.3%
1997	0.7%	0.7%	0.6%	0.5%	0.5%	0.4%	0.4%	0.3%	0.3%
1998	0.8%	0.7%	0.7%	0.6%	0.5%	0.4%	0.4%	0.3%	0.3%
1999	0.8%	0.7%	0.6%	0.6%	0.5%	0.4%	0.4%	0.3%	0.3%
...									
2021	0.4%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.1%
2022	0.4%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.1%
3-Year Historical Avg.	0.7%	0.6%	0.5%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%

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

Accident	Evaluated as of (in months)								
<u>Year</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>	<u>402</u>
1989									
1990									
1991									1.12
1992								1.09	1.13
1993							1.27	1.25	1.30
1994						1.35	1.52	1.50	1.56
1995					1.38	1.56	1.76	1.73	1.80
1996				1.25	1.46	1.66	1.87	1.84	1.91
1997			1.20	1.35	1.57	1.79	2.01	1.98	2.06
1998		1.17	1.28	1.45	1.69	1.91	2.16	2.12	2.21
1999	1.07	1.14	1.24	1.41	1.64	1.86	2.10	2.06	2.14
...									
2021	0.51	0.54	0.59	0.67	0.78	0.89	1.00	0.98	1.02
2022	0.51	0.55	0.60	0.67	0.79	0.89	1.01	0.99	1.03

(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>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>	<u>390-402</u>	<u>402-414</u>

8. 3-Year Average (h)

Indemnity	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.001
Medical	1.005	1.005	1.004	1.003	1.003	1.003	1.003	1.003	1.003

9. Adjustment Ratio (i)

Accident Year 2021	0.80	0.82	0.84	0.87	0.91	0.95	1.00	0.99	1.01
Accident Year 2022	0.80	0.82	0.84	0.87	0.91	0.96	1.00	1.00	1.01

10. Adjusted Factors (j)

Indemnity									
Accident Year 2021	1.001	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.001
Accident Year 2022	1.001	1.002	1.001	1.001	1.001	1.001	1.001	1.000	1.001
Medical									
Accident Year 2021	1.004	1.004	1.003	1.003	1.002	1.002	1.003	1.003	1.003
Accident Year 2022	1.004	1.004	1.003	1.003	1.002	1.003	1.003	1.003	1.003

- (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
1999																					
2000																					
2001																					
2002																					
2003																					
2004																					
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2012																					
2013																					
2014																					
2015																					
2016																					
2017																					
2018																					
2019																					
2020																					
2021																					
Selected (c)	1.684(d)	1.297(d)	1.162(d)	1.088(d)	1.058(d)	1.034	1.027	1.020	1.017	1.014	1.012	1.011	1.010	1.010	1.009	1.009	1.008	1.007	1.006	1.006	1.005
Cumulative Unadjusted for Impact of SB 1160	3.939	2.338	1.802	1.550	1.425	1.346	1.302	1.268	1.243	1.222	1.206	1.191	1.178	1.166	1.155	1.145	1.135	1.126	1.119	1.112	1.105
Cumulative Adjusted for Impact of SB 1160(e)	3.918	2.326	1.793	1.542	1.417	1.339	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

- (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 impact of pharmaceutical cost reductions through 2018 and the 2021 changes to the Official Medical Fee Schedule and Medical-Legal Fee Schedule in order to bring the historical payments to the current pharmaceutical and medical service cost level.
 (c) Selections are latest year 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 latest year paid medical age-to-age factor multiplied by an adjustment for changes in claim settlement rates.
 (e) The cumulative factor for 78 months is adjusted by -0.5% 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	450/438	462/450	ULT/462Pd (g)
1983																1.002	
1984																1.001	
1985																1.001	
1986																1.003	
1987																1.002	
1988																1.002	
1989																1.002	
1990																1.003	
1991																1.003	
1992																1.003	
1993																1.002	
1994																1.002	
1995																1.003	
1996																1.003	
1997																1.003	
1998																1.003	
1999																1.056	
2000																1.051	
Unadjusted (c)	1.006	1.005	1.006	1.005	1.005	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.071
Selected (f)	1.006	1.005	1.006	1.004	1.004	1.003	1.003	1.002	1.003	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.048
Cumulative	1.100	1.094	1.088	1.082	1.077	1.073	1.070	1.067	1.065	1.062	1.059	1.056	1.054	1.052	1.051	1.050	1.048

(f) Adjusted for the impact of changes in claim settlement rates on later period development for 306 months and later. See Exhibits 2.5.9 through 2.5.12.

(g) The UL T/462Pd 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>
2014						139,516
2015					143,982	144,201
2016				147,052	147,354	147,469
2017			147,293	147,923	148,192	148,336
2018		148,561	150,172	150,606	150,979	
2019	142,826	151,109	153,058	153,825		
2020	125,080	132,118	133,766			
2021	137,411	145,165				
2022	145,883					

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>
2015					1.002	
2016				1.002	1.001	
2017			1.004	1.002	1.001	
2018		1.011	1.003	1.002		
2019	1.058	1.013	1.005			
2020	1.056	1.012				
2021	1.056					
Latest Year	1.056	1.012	1.005	1.002	1.001	
Cumulative	1.085	1.027	1.015	1.010	1.007	1.006

Acc. Year	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>
Ult. Claim Counts	158,337	149,141	135,737	155,313	152,063	149,256

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>
2014						128,747
2015					129,299	133,575
2016				125,972	132,830	137,064
2017			115,428	126,815	133,495	137,949
2018		95,795	115,379	127,792	135,373	
2019	63,708	93,636	114,969	128,853		
2020	54,829	81,043	99,802			
2021	63,754	91,643				
2022	67,211					

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)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2014						91.7%
2015					89.1%	92.0%
2016				84.9%	89.5%	92.4%
2017			77.3%	85.0%	89.4%	92.4%
2018		63.0%	75.9%	84.0%	89.0%	
2019	41.0%	60.3%	74.0%	83.0%		
2020	40.4%	59.7%	73.5%			
2021	42.7%	61.4%				
2022	42.4%					

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>
2014						129,761
2015					129,195	134,130
2016				123,104	132,097	137,143
2017			109,742	123,828	132,874	137,949
2018		93,438	111,806	126,157	135,373	
2019	65,928	95,435	114,196	128,853		
2020	57,618	83,406	99,802			
2021	63,308	91,643				
2022	67,211					

F. Average Paid Medical per Closed Indemnity 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>
2014						18,866
2015					17,004	18,254
2016				14,558	16,231	17,499
2017			12,121	14,568	16,205	17,573
2018		8,999	12,713	15,193	16,997	
2019	4,718	8,716	12,606	15,591		
2020	4,648	9,189	13,608			
2021	4,424	8,864				
2022	4,859					

- (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)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2014						19,169
2015					16,979	18,427
2016				13,963	16,044	17,527
2017			11,084	13,882	16,046	17,573
2018		8,573	11,937	14,841	16,997	
2019	4,938	8,991	12,439	15,591		
2020	4,998	9,655	13,608			
2021	4,392	8,864				
2022	4,859					

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

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>
2014						2,487,376
2015					2,193,634	2,471,665
2016				1,718,861	2,119,374	2,403,665
2017			1,216,375	1,718,976	2,132,078	2,424,204
2018		801,008	1,334,588	1,872,274	2,300,936	
2019	325,524	858,091	1,420,431	2,008,894		
2020	287,949	805,324	1,358,076			
2021	278,043	812,317				
2022	326,583					

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

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>
2014						476,215
2015					568,567	484,019
2016				680,869	572,898	494,201
2017			801,496	684,871	591,497	504,323
2018		921,608	864,409	760,521	652,134	
2019	711,323	977,445	956,984	833,542		
2020	656,030	912,889	888,182			
2021	710,550	998,869				
2022	745,412					

(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)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2014						44,221
2015					38,723	45,550
2016				32,299	39,445	47,497
2017			25,153	32,446	40,246	48,553
2018		17,466	24,844	33,336	41,787	
2019	8,991	17,007	25,125	33,379		
2020	9,338	17,873	26,151			
2021	9,647	18,663				
2022	9,475					

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)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2014						-44,840
2015					3,997	-25,280
2016				89,462	28,937	-3,752
2017			136,215	96,598	24,627	
2018		36,947	87,368	52,226		
2019	-19,959	-30,596	18,405			
2020	-26,045	-42,235				
2021	3,679					

L. Adjusted Paid Medical on Open Indemnity 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>
2014						431,375
2015					572,563	458,738
2016				770,331	601,835	490,449
2017			937,712	781,469	616,124	504,323
2018		958,554	951,777	812,747	652,134	
2019	691,364	946,849	975,389	833,542		
2020	629,985	870,654	888,182			
2021	714,230	998,869				
2022	745,412					

- (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 Year	Evaluated as of (in months)					
	<u>18</u>	<u>30</u>	<u>42</u>	<u>54</u>	<u>66</u>	<u>78</u>
2014						252,174
2015					262,130	264,725
2016				274,973	279,223	284,626
2017			287,362	293,447	298,211	301,000
2018		295,432	306,689	317,700	322,628	
2019	269,655	297,670	313,999	321,215		
2020	214,216	244,516	254,776			
2021	243,737	271,402				
2022	247,369					

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

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>
2014						3,170,926
2015					3,028,328	3,195,129
2016				2,764,165	3,000,432	3,178,739
2017			2,441,449	2,793,892	3,046,413	3,229,526
2018		2,054,994	2,593,055	3,002,721	3,275,698	
2019	1,286,543	2,102,609	2,709,819	3,163,652		
2020	1,132,150	1,920,493	2,501,033			
2021	1,236,010	2,082,589				
2022	1,319,364					

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

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>
2015					1.055
2016				1.085	1.059
2017			1.144	1.090	1.060
2018		1.262	1.158	1.091	
2019	1.634	1.289	1.167		
2020	1.696	1.302			
2021	1.685				
Latest Year	1.685	1.302	1.167	1.091	1.060

(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
2015					1.052
2016				1.078	1.056
2017			1.136	1.080	1.058
2018		1.269	1.145	1.085	
2019	1.632	1.301	1.163		
2020	1.691	1.315			
2021	1.684				

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
2015					0.29%
2016				0.67%	0.30%
2017			0.75%	0.92%	0.22%
2018		-0.55%	1.15%	0.57%	
2019	0.15%	-0.92%	0.39%		
2020	0.34%	-0.96%			
2021	0.03%				

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
2015					1.056
2016				1.087	1.057
2017			1.147	1.086	1.058
2018		1.267	1.149	1.088	
2019	1.652	1.273	1.162		
2020	1.669	1.297			
2021	1.684				
Latest Year	1.684	1.297	1.162	1.088	1.058
2-Year Average	1.677	1.285	1.156	1.087	1.058
3-Year Average	1.668	1.279	1.153	1.087	1.057

- (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, 2023**

Accident Year	Development Factors			
	(1) Paid Loss Ratio (a)	(2) Annual (b)	(3) Cumulative	(4) Projected Ultimate Loss Ratio (4) = (1) x (3)
1987	0.345	1.001	1.008	0.348
1988	0.330	1.000	1.008	0.333
1989	0.342	1.000	1.008	0.345
1990	0.397	1.001	1.009	0.401
1991	0.424	1.000	1.009	0.428
1992	0.349	1.001	1.010	0.353
1993	0.286	1.001	1.011	0.289
1994	0.325	1.001	1.012	0.329
1995	0.469	1.001	1.013	0.475
1996	0.526	1.001	1.014	0.533
1997	0.595	1.002	1.015	0.604
1998	0.645	1.001	1.017	0.655
1999	0.675	1.002	1.019	0.687
2000	0.583	1.002	1.021	0.595
2001	0.483	1.002	1.023	0.495
2002	0.360	1.002	1.025	0.369
2003	0.238	1.002	1.027	0.244
2004	0.141	1.003	1.031	0.146
2005	0.121	1.003	1.034	0.125
2006	0.155	1.005	1.039	0.162
2007	0.213	1.005	1.045	0.223
2008	0.268	1.006	1.051	0.282
2009	0.312	1.007	1.059	0.330
2010	0.298	1.009	1.068	0.318
2011	0.274	1.010	1.078	0.295
2012	0.243	1.011	1.090	0.265
2013	0.204	1.013	1.104	0.225
2014	0.191	1.015	1.121	0.214
2015	0.183	1.017	1.140	0.209
2016	0.170	1.022	1.165	0.198
2017	0.170	1.033	1.203	0.204
2018	0.172	1.054	1.269	0.218
2019	0.185	1.096	1.390	0.257
2020	0.166	1.174	1.632	0.272
2021	0.143	1.332	2.173	0.310
2022	0.076	1.883	4.091	0.310

- (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, 2023**

	(1)	(2)	(3)	(4)	(5)	(6)
			Reform Adjusted			
			<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	0.308	0.273	1.002	1.051	0.287	0.321
1988	0.301	0.267	1.002	1.052	0.281	0.315
1989	0.320	0.284	1.003	1.054	0.299	0.335
1990	0.361	0.321	1.003	1.056	0.339	0.380
1991	0.378	0.336	1.003	1.059	0.356	0.398
1992	0.313	0.278	1.003	1.062	0.295	0.330
1993	0.258	0.229	1.003	1.065	0.244	0.272
1994	0.296	0.263	1.002	1.067	0.281	0.313
1995	0.436	0.388	1.003	1.070	0.415	0.463
1996	0.467	0.416	1.003	1.073	0.446	0.497
1997	0.522	0.465	1.004	1.077	0.501	0.558
1998	0.626	0.559	1.004	1.082	0.605	0.672
1999	0.681	0.609	1.006	1.088	0.662	0.735
2000	0.614	0.549	1.005	1.094	0.600	0.665
2001	0.542	0.486	1.006	1.100	0.535	0.590
2002	0.418	0.376	1.005	1.105	0.416	0.457
2003	0.267	0.241	1.006	1.112	0.268	0.294
2004	0.180	0.163	1.006	1.119	0.182	0.199
2005	0.175	0.159	1.007	1.126	0.179	0.195
2006	0.225	0.205	1.008	1.135	0.232	0.253
2007	0.313	0.286	1.009	1.145	0.327	0.354
2008	0.385	0.354	1.009	1.155	0.409	0.440
2009	0.447	0.414	1.010	1.166	0.483	0.516
2010	0.434	0.403	1.010	1.178	0.475	0.506
2011	0.366	0.344	1.011	1.191	0.410	0.432
2012	0.311	0.295	1.012	1.206	0.356	0.371
2013	0.246	0.246	1.014	1.222	0.301	0.301
2014	0.216	0.221	1.017	1.243	0.275	0.270
2015	0.200	0.206	1.020	1.268	0.262	0.255
2016	0.184	0.191	1.027	1.302	0.249	0.242
2017	0.184	0.191	1.034	1.339	0.256	0.248
2018	0.189	0.196	1.058	1.417	0.277	0.271
2019	0.197	0.202	1.088	1.542	0.312	0.307
2020	0.178	0.180	1.162	1.793	0.323	0.321
2021	0.155	0.155	1.297	2.326	0.360	0.360
2022	0.087	0.087	1.684	3.918	0.341	0.341

- (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, 2023. Reflects adjustments for the pharmaceutical cost reductions through 2018 and 2021 changes to the Official Medical Fee Schedule (OMFS) and Medical-Legal Fee Schedule (MLFS), restating the historical medical paid-to-date ratios at a 2018 pharmaceutical cost level and a 2021 OMFS and MLFS 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 and 2021 medical fee schedule changes. 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 <u>Adjustments (a)</u>	(2) Frequency <u>Adjustments (a)</u>	(3) Annual Impact on Indemnity Benefits Due to Wage <u>Inflation (b)</u>	(4) Annual Cost Impact on <u>Indemnity (c)</u>	(5) Composite Indemnity Adjustment <u>Factor (d)</u>	
1987	0.0	0.0	1.9	1.9	1.732	
1988	0.0	0.0	1.5	1.5	1.706	
1989	0.0	0.0	1.5	1.5	1.681	
1990	2.3	19.9	1.7	24.7	1.347	
1991	4.9	14.8	0.8	21.4	1.110	
1992	1.8	-8.3	1.6	-5.2	1.170	
1993	0.2	-18.1	0.4	-17.6	1.420	
1994	-5.1	0.2	0.6	-4.3	1.485	
1995	6.3	0.6	1.0	8.0	1.375	
1996	5.3	0.4	1.2	7.0	1.285	
1997	9.7	0.2	1.6	11.7	1.151	
1998	6.5	0.0	1.8	8.4	1.061	
1999	5.7	0.0	2.1	7.9	0.983	
2000	3.9	0.0	3.1	7.1	0.918	
2001	-0.3	0.0	0.2	-0.1	0.919	
2002	-0.7	0.0	0.4	-0.3	0.941	(e)
2003	7.3	0.0	1.2	8.6	0.938	(e)
2004	-6.0	-13.7	2.1	-17.2	1.284	(e)
2005	-31.6	-15.3	1.6	-41.2	1.741	
2006	5.6	-5.7	2.2	1.8	1.711	
2007	1.6	0.0	2.1	3.7	1.649	
2008	4.8	0.6	1.0	6.5	1.549	
2009	0.4	1.4	0.2	2.0	1.518	
2010	0.4	0.0	1.5	1.9	1.490	
2011	0.0	0.0	1.4	1.4	1.469	
2012	-0.8	0.0	2.1	1.3	1.451	
2013	1.4	0.2	0.6	2.3	1.419	
2014	5.8	1.5	1.7	9.2	1.299	
2015	-0.8	0.0	2.3	1.4	1.281	
2016	0.3	0.0	1.0	1.3	1.265	
2017	0.5	0.0	2.2	2.7	1.232	
2018	0.4	0.0	2.2	2.6	1.200	
2019	0.4	0.0	2.4	2.8	1.168	
2020	0.4	0.0	2.5	3.0	1.134	
2021	0.5	0.0	3.2	3.7	1.093	
2022	1.3	0.0	1.5	2.8	1.063	
2023	0.4	0.0	2.6	3.0	1.032	
2024	0.4	0.0	2.4	2.8	1.004	
9/1/2024	0.1 (Annual 0.4)	0.0	0.3 (Annual 1.9)	0.4		

- (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 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 9/1/2024 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%	4.9% (f)
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	0.872	0.128	0.0%	3.8%	0.4%	0.4%
2020	0.866	0.134	0.0%	3.0%	0.4%	0.4%
2021	0.865	0.135	4.8%	1.2%	0.2%	0.2% (f)
2022	0.859	0.141	0.0%	5.8%	0.8%	0.8%
2023	0.859	0.141	0.0%	3.5%	0.5%	0.5%
2024	0.859	0.141	0.0%	2.6%	0.4%	0.4%
9/1/2024	0.859	0.141	0.0% (Annual 0.0%)	0.4% (Annual 2.2%)	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. Does not include the impact of the 2021 changes to the Official Medical Fee Schedule and Medical-Legal Fee Schedule, which are reflected in the medical loss development projections for accident years 2013 and later.
- (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).
- (f) The impact of the 2021 changes to the Official Medical Fee Schedule and Medical-Legal Fee Schedule is applied to accident years 2012 and prior, which are not reflected in the medical loss development projections.

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	-4.4%	0.0%	-4.4%
2013	-8.3%	0.2%	-8.1%
2014	-6.0%	1.3%	-4.8%
2015	-2.2%	0.0%	-2.2%
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%
2023	0.0%	0.0%	0.0%
2024	0.0%	0.0%	0.0%
9/1/2024	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%	0.852
1988	3.8%	0.0%	3.8%	0.821
1989	3.0%	0.0%	3.0%	0.797
1990	3.7%	19.1%	23.5%	0.645
1991	3.6%	12.9%	16.9%	0.552
1992	3.0%	-7.9%	-5.2%	0.582
1993	2.7%	-18.7%	-16.5%	0.697
1994	-2.3%	-2.3%	-4.6%	0.730
1995	0.9%	0.5%	1.4%	0.720
1996	1.0%	0.4%	1.4%	0.710
1997	0.7%	0.2%	0.9%	0.704
1998	0.8%	12.6%	13.5%	0.620
1999	2.5%	12.6%	15.4%	0.537
2000	1.7%	7.0%	8.8%	0.494
2001	2.9%	6.6%	9.7%	0.450
2002	2.0%	-5.6%	-3.7%	0.467
2003	1.4%	-6.0%	-4.7%	0.490
2004	0.0%	-33.9%	-33.9%	0.741
2005	0.0%	-13.9%	-13.9%	0.861
2006	0.3%	-5.1%	-4.8%	0.905
2007	1.8%	0.1%	1.9%	0.888
2008	0.2%	0.5%	0.7%	0.882
2009	0.4%	1.0%	1.4%	0.869
2010	0.3%	0.0%	0.3%	0.867
2011	0.3%	-2.0%	-1.7%	0.882
2012	0.1%	-4.4%	-4.3%	0.921
2013	4.9%	-8.1%	-3.6%	0.956
2014	0.3%	-4.8%	-4.5%	1.001
2015	0.2%	-2.2%	-2.0%	1.021
2016	0.4%	-0.7%	-0.3%	1.024
2017	0.2%	-0.5%	-0.3%	1.027
2018	0.2%	-0.3%	-0.1%	1.028
2019	0.4%	0.0%	0.4%	1.024
2020	0.4%	0.0%	0.4%	1.020
2021	0.2%	0.0%	0.2%	1.018
2022	0.8%	0.0%	0.8%	1.010
2023	0.5%	0.0%	0.5%	1.005
2024	0.4%	0.0%	0.4%	
9/1/2024	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 9/1/2024 level.

Annual Wage Level Changes

Year	(1) Annual Wage Level Change (a)	(2) Adjusted Annual Wage Level Change (b)	(3) Factor to a 9/1/2024 Wage Level (c)
1987	5.6		3.775
1988	4.4		3.616
1989	4.3		3.467
1990	5.0		3.302
1991	2.3		3.228
1992	4.7		3.083
1993	1.2		3.046
1994	1.8		2.992
1995	2.9		2.908
1996	3.4		2.812
1997	4.7		2.686
1998	5.2		2.553
1999	6.2		2.404
2000	9.0		2.206
2001	0.6		2.193
2002	1.1		2.169
2003	3.6		2.093
2004	5.0		1.994
2005	3.2		1.932
2006	4.6		1.847
2007	4.5		1.767
2008	2.1		1.731
2009	0.5		1.722
2010	3.0		1.672
2011	3.0		1.624
2012	4.2		1.558
2013	0.7		1.547
2014	3.3		1.498
2015	4.5		1.433
2016	1.9		1.407
2017	4.4		1.347
2018	3.7		1.299
2019	4.4		1.244
2020	11.3	4.9	1.186
2021	7.4	6.0	1.119
2022	0.0	2.4	1.092
Projected:			
2023	4.4		
2024	4.1		
9/1/2024	0.7	(Annual = 3.2)	

- (a) Historical wage changes through 2022 are based on Bureau of Labor Statistics (BLS) data. Forecasts for 2023 and forward are based on the average of wage level projections made by the UCLA Anderson School of Business as of June 2023 and those made by the California Department of Finance as of April 2023.
- (b) Wage level changes for 2020 to 2022 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. For 2022, the observed estimate based on BLS average wage data was averaged with the BLS Current Employment Statistics hourly wage estimate to account for shifts in the wage level mix within industries.
- (c) Based on Column (2) for 2020 through 2022 and Column (1) for all other years.

Premium Adjustment Factors

	(1)	(2a)	(2b)	(2c)	(3)	(4)	(5)	(6)	(7)
		Ratio of Industry Average Charged Rates to Advisory Pure Premium	Factor to Approved Pure Premium Rate Level as of	Factor to Adjust Insurer Premium to Approved Pure Premium Rate Level as of	Adjustment to Remove Surcharge	Average Experience	Off-Balance Correction in Advisory Sept. 1, 2022 Pure Premium	Factor to Adjust for Impact of Premium Resulting from	Composite Premium Adjustment
Calendar Year	Factor to a 9/1/2024 <u>Wage Level (a)</u>	<u>Rates (b)</u>	<u>Sept. 1, 2022 (c)</u>	<u>Sept. 1, 2022 (d)</u>	<u>Premium (e)</u>	<u>Modification (f)</u>	<u>Rates</u>	<u>Audits (g)</u>	<u>Factor (h)</u>
1987	3.775	---	---	0.446	0.992	0.983	1.030	---	1.650
1988	3.616	---	---	0.399	0.993	0.963	1.030	---	1.446
1989	3.467	---	---	0.393	0.993	0.945	1.030	---	1.391
1990	3.302	---	---	0.383	0.991	0.942	1.030	---	1.293
1991	3.228	---	---	0.355	0.987	0.939	1.030	---	1.170
1992	3.083	---	---	0.340	0.982	0.940	1.030	---	1.064
1993	3.046	---	---	0.337	0.981	0.949	1.030	---	1.029
1994	2.992	---	---	0.385	0.986	0.948	1.030	---	1.164
1995	2.908	---	---	0.521	0.995	0.958	1.030	---	1.529
1996	2.812	1.031	0.554	0.537	1.000	0.935	1.030	---	1.569
1997	2.686	0.998	0.553	0.554	1.000	0.949	1.030	---	1.521
1998	2.553	0.965	0.576	0.596	1.000	0.959	1.030	---	1.541
1999	2.404	0.972	0.582	0.599	1.000	0.954	1.030	---	1.465
2000	2.206	1.005	0.528	0.525	1.000	0.970	1.030	---	1.159
2001	2.193	1.031	0.465	0.450	1.000	0.969	1.030	---	0.990
2002	2.169	1.167	0.416	0.356	1.000	0.991	1.030	---	0.757
2003	2.093	1.282	0.340	0.265	1.000	1.005	1.030	---	0.537
2004	1.994	1.400	0.346	0.247	1.000	0.981	1.030	---	0.488
2005	1.932	1.470	0.417	0.283	1.000	0.982	1.030	---	0.541
2006	1.847	1.447	0.537	0.371	1.000	0.956	1.030	---	0.696
2007	1.767	1.493	0.731	0.490	1.000	0.931	1.030	0.985	0.889
2008	1.731	1.426	0.870	0.610	1.000	0.946	1.030	0.991	1.074
2009	1.722	1.366	0.858	0.628	1.000	0.937	1.030	1.034	1.159
2010	1.672	1.383	0.841	0.608	1.000	0.941	1.030	1.005	1.054
2011	1.624	1.401	0.840	0.600	1.000	0.982	1.030	---	0.962
2012	1.558	1.223	0.692	0.566	1.000	1.000	1.030	---	0.856
2013	1.547	1.138	0.557	0.490	1.000	0.983	1.030	---	0.748
2014	1.498	1.127	0.514	0.456	1.000	0.961	1.030	---	0.689
2015	1.433	1.109	0.499	0.450	1.000	0.951	1.030	---	0.659
2016	1.407	1.147	0.543	0.473	1.000	0.949	1.030	---	0.681
2017	1.347	1.155	0.601	0.520	1.000	0.955	1.030	---	0.713
2018	1.299	1.196	0.680	0.568	1.000	0.956	1.030	---	0.750
2019	1.244	1.214	0.790	0.651	1.000	0.945	1.030	---	0.832
2020	1.186	1.207	0.881	0.730	1.000	0.944	1.030	0.990	0.882
2021	1.119	1.223	0.949	0.776	1.000	0.948	1.030	1.033	0.918
2022	1.092	1.187	0.990	0.834	1.000	0.959	1.030	0.993	0.916

- (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 approved advisory pure premium rate level changes to bring premium to the advisory September 1, 2022 pure premium rate level.
- (d) $(2b) \div (2a)$. This column adjusts premiums at the industry average charged rate level to the approved advisory pure premium rate level as of September 1, 2022.
- (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 and 2020 to 2022, 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 and 2020 to 2022. $(1) \times (2c) \times (3) \div [(4) \times (5)]$ for all other calendar years.

**2022 Accident Year Indemnity Claim Frequency Model
As of PY 2020 1st Set & June 2023 UCLA**

AY	Annual % Changes Intra- Class Ind Freq	Annual Log Differences					
		Intra-Class Indemnity Frequency per \$M Exposure at PY 2021 Level			AY+1 Indemnity Benefit Level	Cumulative Injury Index	Economic Variables (1st Prin. Comp.)
		Total	Cumulative	Non-cum.			
1979	0.5%	0.005	-0.053	0.007	0.000	-0.060	0.129
1980	-6.5%	-0.068	-0.132	-0.066	0.000	-0.066	-0.079
1981	-3.5%	-0.036	-0.028	-0.036	0.033	0.008	-0.076
1982	-1.6%	-0.016	0.153	-0.022	0.000	0.175	-0.285
1983	6.2%	0.060	0.214	0.054	0.352	0.160	0.028
1984	9.5%	0.091	0.235	0.084	0.081	0.151	0.215
1985	2.0%	0.020	0.138	0.014	0.000	0.124	0.077
1986	-2.4%	-0.024	0.039	-0.028	0.000	0.067	0.075
1987	1.5%	0.015	0.053	0.013	0.000	0.041	0.145
1988	0.7%	0.007	0.104	0.000	0.000	0.104	0.084
1989	2.5%	0.024	0.212	0.009	0.000	0.203	0.042
1990	9.0%	0.087	0.337	0.061	0.046	0.276	-0.116
1991	0.3%	0.003	0.166	-0.018	0.071	0.184	-0.282
1992	-10.3%	-0.108	-0.263	-0.089	0.023	-0.174	-0.181
1993	-9.2%	-0.097	-0.175	-0.088	0.013	-0.088	-0.021
1994	-10.5%	-0.111	-0.167	-0.105	-0.057	-0.061	0.103
1995	-0.3%	-0.003	0.009	-0.004	0.061	0.013	0.089
1996	-6.8%	-0.070	-0.165	-0.061	0.053	-0.104	0.072
1997	-3.3%	-0.033	-0.026	-0.034	0.096	0.008	0.132
1998	-3.7%	-0.038	-0.020	-0.040	0.066	0.019	0.075
1999	1.5%	0.015	0.010	0.015	0.058	-0.005	0.122
2000	4.0%	0.039	0.101	0.033	0.040	0.068	0.063
2001	-6.9%	-0.072	0.106	-0.091	-0.003	0.197	-0.096
2002	-2.3%	-0.023	0.202	-0.055	-0.007	0.257	-0.194
2003	-2.9%	-0.029	0.028	-0.038	0.060	0.067	-0.022
2004	-16.7%	-0.182	-0.318	-0.161	-0.065	-0.158	0.090
2005	-13.6%	-0.146	-0.342	-0.120	-0.398	-0.222	0.135
2006	-5.6%	-0.058	-0.204	-0.042	0.051	-0.163	0.090
2007	-1.7%	-0.017	-0.042	-0.015	0.016	-0.027	-0.081
2008	-2.7%	-0.027	-0.012	-0.029	0.049	0.017	-0.296
2009	-0.2%	-0.002	0.134	-0.016	0.069	0.150	-0.414
2010	8.9%	0.085	0.115	0.081	0.016	0.034	-0.090
2011	1.2%	0.012	0.028	0.010	0.000	0.017	0.047
2012	4.7%	0.046	0.115	0.037	0.003	0.077	0.126
2013	0.4%	0.004	0.131	-0.014	0.019	0.145	0.154
2014	0.2%	0.002	0.046	-0.005	0.070	0.051	0.179
2015	-1.5%	-0.015	0.008	-0.018	0.000	0.026	0.194
2016	-2.7%	-0.027	0.032	-0.037	0.000	0.069	0.127
2017	-1.8%	-0.018	-0.069	-0.010	0.000	-0.060	0.130
2018	-0.3%	-0.003	-0.050	0.005	0.000	-0.055	0.127
2019	1.8%	0.018	0.047	0.014	0.000	0.033	0.045
2020	-10.4%	-0.110	0.058	-0.140	0.000	0.198	-0.913
2021*	12.8%	0.105	-0.223	0.171	0.000	-0.394	0.328
2022	3.9%	0.038	0.038	0.038	0.000	0.000	0.561
2023	-1.8%	-0.018	-0.018	-0.018	0.000	0.000	0.019
2024	-1.6%	-0.016	-0.016	-0.016	0.000	0.000	0.040
2025	-2.1%	-0.022	-0.022	-0.022	0.000	0.000	-0.016

Y = Hazardousness-Adjusted Noncumulative Indemnity Claim Frequency

Constant	-0.020		
Std Err of Y Est	0.040		
R Squared	0.440		
No. of Observations	41		
Degrees of Freedom	37		
X Coefficient(s)	0.184	0.211	0.104
Std Err of Coef.	0.076	0.062	0.045

Notes:

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

The Indemnity Benefit Level variable excludes indemnity benefit utilization, cost-of-living adjustments, 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 Actuarial Committee item AC14-03-19.

The definition of cumulative claims has been further amended to include claims coded with certain nature of injury codes in USR. See Actuarial Committee item AC21-12-09.

Economic variables are historical through 2022; June 2023 UCLA Anderson Forecasts for 2023 on.

The indicator variable for Cal-OSHA inspections has been moved into an on-level adjustment. See Actuarial Committee item AC21-12-09.

Regression is over AY 1979 through AY 2021, excluding 2020 and 2021. AY 2022 through AY 2025 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 2021 change is based on a comparison of 2021 accidents on 2020 policies to 2020 accidents on 2019 policies.

**Projection of Indemnity Severity Trends by Accident Year
Based on Experience as of June 30, 2023**

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	10,018	---	2.155	21,589	---
1991	10,965	9.5%	2.038	22,347	3.5%
1992	11,058	0.9%	1.971	21,790	-2.5%
1993	12,016	8.7%	1.959	23,536	8.0%
1994	12,991	8.1%	2.052	26,654	13.2%
1995	14,597	12.4%	1.911	27,895	4.7%
1996	16,487	12.9%	1.793	29,566	6.0%
1997	19,326	17.2%	1.609	31,095	5.2%
1998	21,189	9.6%	1.484	31,446	1.1%
1999	23,172	9.4%	1.375	31,866	1.3%
2000	24,842	7.2%	1.284	31,891	0.1%
2001	27,213	9.5%	1.285	34,970	9.7%
2002	26,242	-3.6%	1.316	34,541	-1.2%
2003	25,987	-1.0%	1.312	34,099	-1.3%
2004	21,133	-18.7%	1.550	32,759	-3.9%
2005	19,149	-9.4%	1.779	34,076	4.0%
2006	20,863	8.9%	1.649	34,400	0.9%
2007	22,633	8.5%	1.590	35,975	4.6%
2008	24,610	8.7%	1.502	36,957	2.7%
2009	25,821	4.9%	1.493	38,544	4.3%
2010	25,128	-2.7%	1.465	36,807	-4.5%
2011	24,643	-1.9%	1.445	35,598	-3.3%
2012	24,059	-2.4%	1.427	34,324	-3.6%
2013	23,286	-3.2%	1.398	32,553	-5.2%
2014	24,150	3.7%	1.299	31,381	-3.6%
2015	24,457	1.3%	1.281	31,328	-0.2%
2016	23,869	-2.4%	1.265	30,191	-3.6%
2017	24,034	0.7%	1.232	29,606	-1.9%
2018	24,810	3.2%	1.200	29,772	0.6%
2019	26,482	6.7%	1.168	30,919	3.9%
2020	28,070	6.0%	1.134	31,828	2.9%
2021	27,989	-0.3%	1.093	30,594	-3.9%
2022	29,732	6.2%	1.063	31,607	3.3%
(6) Estimated Annual Exponential Trend Based on 1990 to 2022:					0.8%
(7) Estimated Annual Exponential Trend Based on 2005 to 2022:					-1.2%
(8) Estimated Annual Exponential Trend Based on 2018 to 2022:					1.1%
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, 2023**

Accident <u>Year</u>	(1) Estimated Ultimate <u>Severity (a)</u>	(2) Annual <u>% Change</u>	(3) Medical Adjustment <u>Factor (b)</u>	(4) Ultimate On-level <u>Severity</u> (1) x (3)	(5) Annual <u>% Change</u>
1990	8,834	---	0.966	8,536	---
1991	9,519	7.8%	0.948	9,024	5.7%
1992	9,584	0.7%	0.916	8,777	-2.7%
1993	10,449	9.0%	0.898	9,383	6.9%
1994	11,493	10.0%	0.944	10,845	15.6%
1995	13,270	15.5%	0.935	12,411	14.4%
1996	14,362	8.2%	0.926	13,298	7.1%
1997	16,836	17.2%	0.920	15,481	16.4%
1998	20,594	22.3%	0.810	16,684	7.8%
1999	23,539	14.3%	0.702	16,523	-1.0%
2000	26,430	12.3%	0.645	17,049	3.2%
2001	31,193	18.0%	0.588	18,344	7.6%
2002	31,252	0.2%	0.611	19,087	4.1%
2003	29,873	-4.4%	0.641	19,141	0.3%
2004	27,372	-8.4%	0.848	23,199	21.2%
2005	28,166	2.9%	0.848	23,872	2.9%
2006	30,653	8.8%	0.844	25,876	8.4%
2007	33,892	10.6%	0.828	28,077	8.5%
2008	36,304	7.1%	0.825	29,955	6.7%
2009	38,172	5.1%	0.822	31,371	4.7%
2010	37,898	-0.7%	0.819	31,053	-1.0%
2011	34,091 (c)	---	0.842	28,711 (c)	---
2012	31,845	-6.6%	0.889	28,322	-1.4%
2013	29,256	-8.1%	0.969	28,347	0.1%
2014	28,575	-2.3%	1.031	29,459	3.9%
2015	27,889	-2.4%	1.055	29,431	-0.1%
2016	27,097	-2.8%	1.056	28,624	-2.7%
2017	27,128	0.1%	1.057	28,686	0.2%
2018	28,575	5.3%	1.054	30,125	5.0%
2019	29,430	3.0%	1.043	30,688	1.9%
2020	31,090	5.6%	1.029	32,002	4.3%
2021	30,401	-2.2%	1.019	30,982	-3.2%
2022	30,686	0.9%	1.010	30,994	0.0%

Selected Medical Severity Trend:

1.5%

- (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 and 2021 changes to the Official Medical Fee Schedule and Medical-Legal Fee Schedule, 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, 2023**

(1) Accident Year	MCCP Included				MCCP Removed Based on WCIRB Aggregate Calendar Year Data Calls (b)			
	(2) Estimated Ultimate Severity (a)	(3) Annual % Change	(4) Ultimate On-Level Severity (c)	(5) Annual % Change	(6) Estimated Ultimate Severity (a)	(7) Annual % Change	(8) Ultimate On-Level Severity (c)	(9) Annual % Change
2005	28,166	---	23,872	---	26,721	---	22,648	---
2006	30,653	8.8%	25,876	8.4%	28,775	7.7%	24,291	7.3%
2007	33,892	10.6%	28,077	8.5%	31,680	10.1%	26,245	8.0%
2008	36,304	7.1%	29,955	6.7%	33,173	4.7%	27,372	4.3%
2009	38,172	5.1%	31,371	4.7%	35,034	5.6%	28,792	5.2%
2010	37,898	-0.7%	31,053	-1.0%	34,747	-0.8%	28,471	-1.1%
2011	37,308	-1.6%	31,420	1.2%	34,091	-1.9%	28,711	0.8%
2012	34,740	-6.9%	30,896	-1.7%	31,845	-6.6%	28,322	-1.4%
2013	31,974	-8.0%	30,979	0.3%	29,256	-8.1%	28,347	0.1%
2014	31,171	-2.5%	32,136	3.7%	28,575	-2.3%	29,459	3.9%
2015	30,290	-2.8%	31,964	-0.5%	27,889	-2.4%	29,431	-0.1%
2016	29,329	-3.2%	30,981	-3.1%	27,097	-2.8%	28,624	-2.7%
2017	29,346	0.1%	31,031	0.2%	27,128	0.1%	28,686	0.2%
2018	30,900	5.3%	32,576	5.0%	28,575	5.3%	30,125	5.0%
2019	31,836	3.0%	33,197	1.9%	29,430	3.0%	30,688	1.9%
2020	33,562	5.4%	34,547	4.1%	31,090	5.6%	32,002	4.3%
2021	32,987	-1.7%	33,618	-2.7%	30,401	-2.2%	30,982	-3.2%
2022	33,335	1.1%	33,670	0.2%	30,686	0.9%	30,994	0.0%
Estimated Annual Exponential Trend								
Trend Based on 1990 to 2022:				4.6%	N/A			
Trend Based on 2005 to 2022:				1.5%	1.4%			
Trend Based on 2018 to 2022:				0.8%	0.7%			

Selected Medical Severity Trend: 1.5%

- (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 Pure Premium Ratios
Based on Experience as of June 30, 2023**

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 Pure Premium Ratio (1)×(2)÷(3)
1987	0.348	1.732	1.650	0.365
1988	0.333	1.706	1.446	0.393
1989	0.345	1.681	1.391	0.417
1990	0.401	1.347	1.293	0.418
1991	0.428	1.110	1.170	0.406
1992	0.353	1.170	1.064	0.388
1993	0.289	1.420	1.029	0.399
1994	0.329	1.485	1.164	0.420
1995	0.475	1.375	1.529	0.427
1996	0.533	1.285	1.569	0.436
1997	0.604	1.151	1.521	0.457
1998	0.655	1.061	1.541	0.451
1999	0.687	0.983	1.465	0.461
2000	0.595	0.918	1.159	0.472
2001	0.495	0.919	0.990	0.459
2002	0.369	0.941	0.757	0.459
2003	0.244	0.938	0.537	0.427
2004	0.146	1.284	0.488	0.383
2005	0.125	1.741	0.541	0.402
2006	0.162	1.711	0.696	0.397
2007	0.223	1.649	0.889	0.413
2008	0.282	1.549	1.074	0.406
2009	0.330	1.518	1.159	0.433
2010	0.318	1.490	1.054	0.449
2011	0.295	1.469	0.962	0.451
2012	0.265	1.451	0.856	0.448
2013	0.225	1.419	0.748	0.427
2014	0.214	1.299	0.689	0.403
2015	0.209	1.281	0.659	0.407
2016	0.198	1.265	0.681	0.368
2017	0.204	1.232	0.713	0.353
2018	0.218	1.200	0.750	0.348
2019	0.257	1.168	0.832	0.360
2020	0.272	1.134	0.882	0.349
2021	0.310	1.093	0.918	0.369
2022	0.310	1.063	0.916	0.360
				Projections (d)
2023				0.365
2024				0.362
9/1/2024				0.362

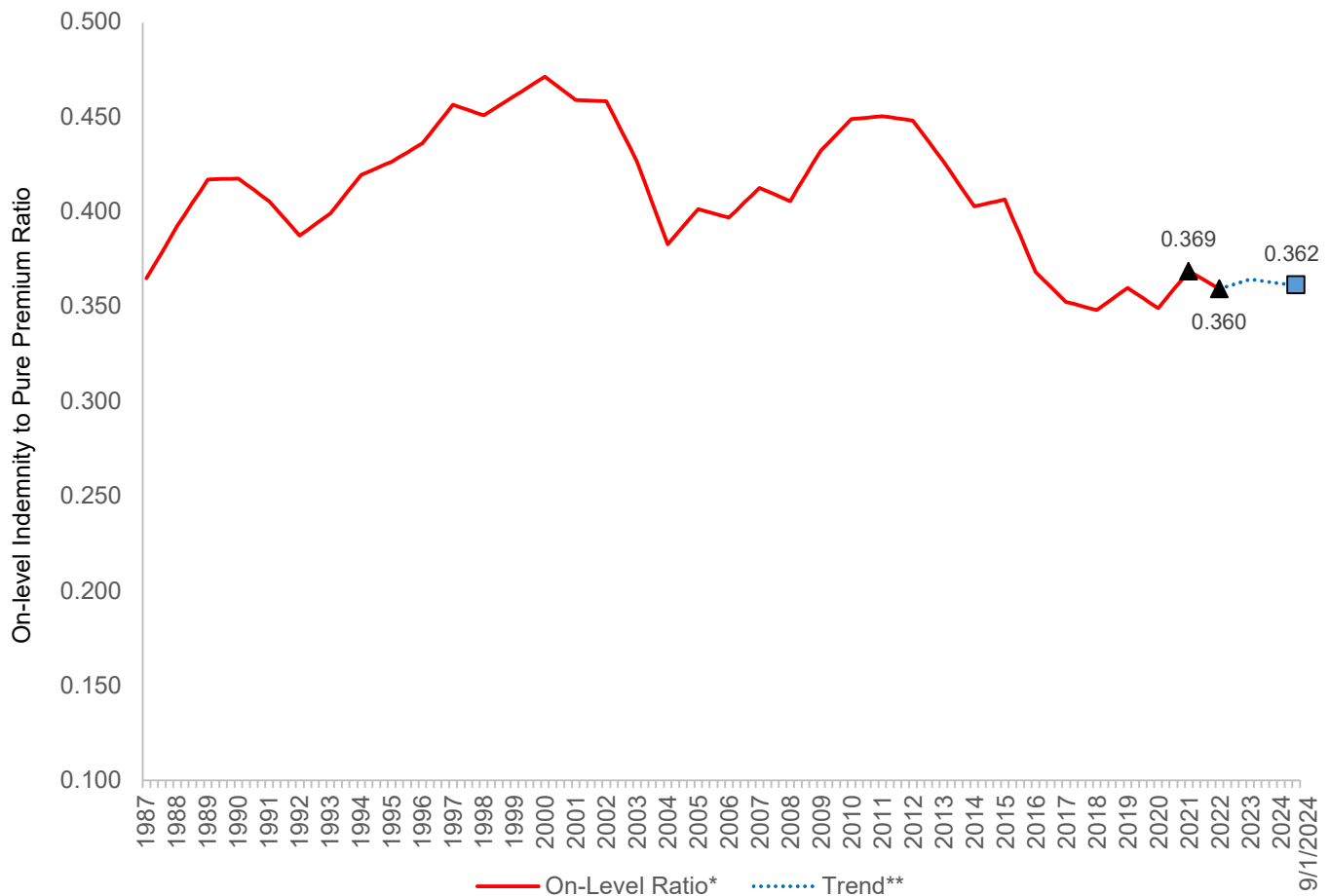
(a) See Exhibit 3.1.

(b) See Exhibit 4.1.

(c) See Exhibit 5.2.

(d) The trending projection is based on frequency and severity growth separately applied to the 2021 and 2022 on-level ratios. The frequency growth estimates are based on the intra-class frequency changes for accident year 2022 from Exhibit 12 and frequency model projections for accident years 2023 to 2025 from Exhibit 6.1. The annual indemnity severity growth estimates are from Exhibit 6.2.

**On-Level Indemnity Loss to Pure Premium Ratios
Based on Experience as of June 30, 2023**



* On-level indemnity to pure premium ratios (see Exhibit 7.1)

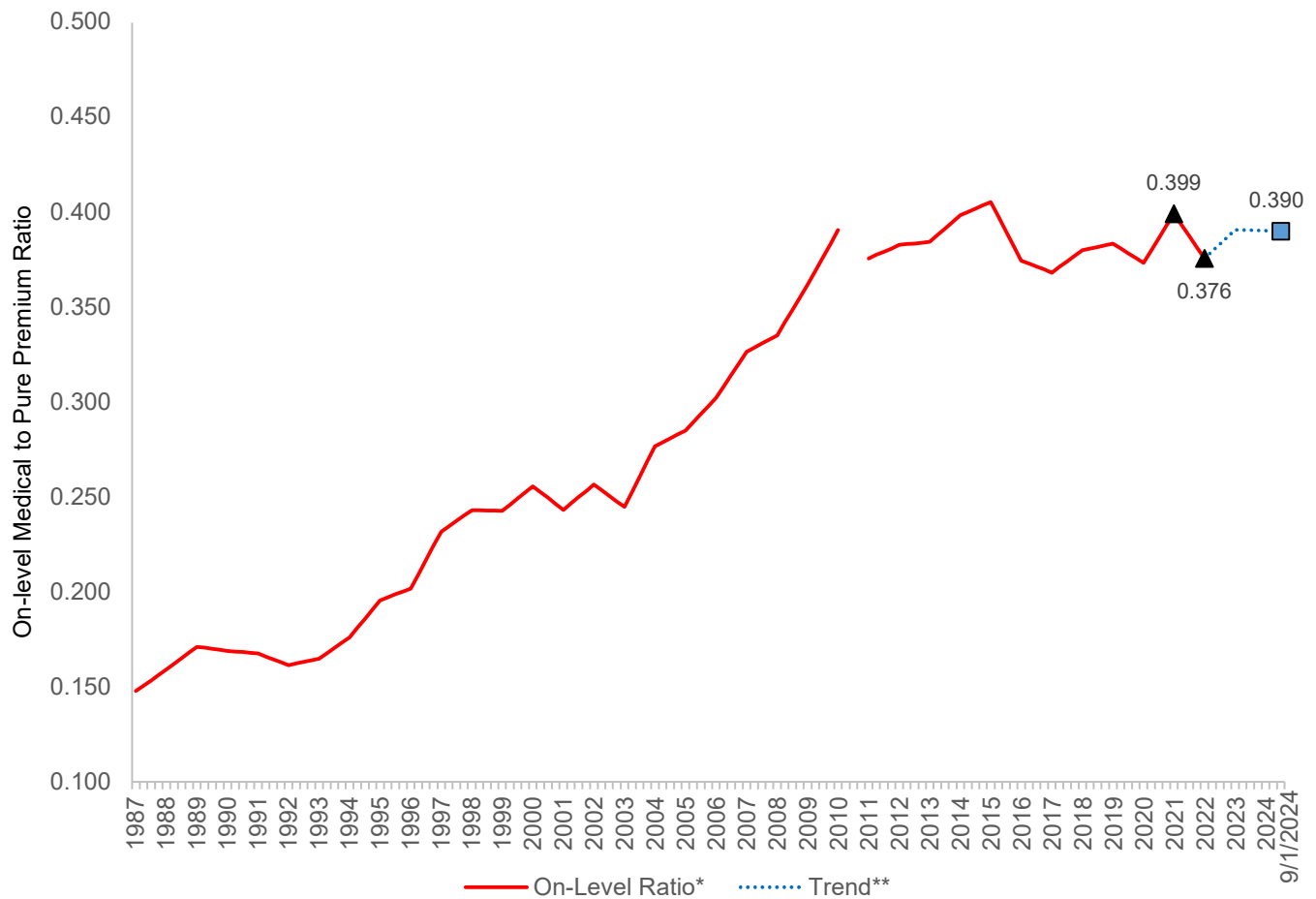
** The 9/1/2024 indemnity to pure premium ratio was calculated based on separate frequency and severity trends applied to the 2021 and 2022 years.

**Projected On-Level Accident Year
Medical Loss to Pure Premium Ratios
Based on Experience as of June 30, 2023**

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 Pure Premium Ratio (e) (1)×(2)÷(3)
1987	0.287	0.852	1.650	0.148
1988	0.281	0.821	1.446	0.159
1989	0.299	0.797	1.391	0.171
1990	0.339	0.645	1.293	0.169
1991	0.356	0.552	1.170	0.168
1992	0.295	0.582	1.064	0.162
1993	0.244	0.697	1.029	0.165
1994	0.281	0.730	1.164	0.176
1995	0.415	0.720	1.529	0.196
1996	0.446	0.710	1.569	0.202
1997	0.501	0.704	1.521	0.232
1998	0.605	0.620	1.541	0.243
1999	0.662	0.537	1.465	0.243
2000	0.600	0.494	1.159	0.256
2001	0.535	0.450	0.990	0.243
2002	0.416	0.467	0.757	0.257
2003	0.268	0.490	0.537	0.245
2004	0.182	0.741	0.488	0.277
2005	0.179	0.861	0.541	0.285
2006	0.232	0.905	0.696	0.302
2007	0.327	0.888	0.889	0.327
2008	0.409	0.882	1.074	0.335
2009	0.483	0.869	1.159	0.362
2010	0.475	0.867	1.054	0.391
2011	0.410	0.882	0.962	0.376
2012	0.356	0.921	0.856	0.383
2013	0.301	0.956	0.748	0.385
2014	0.275	1.001	0.689	0.399
2015	0.262	1.021	0.659	0.405
2016	0.249	1.024	0.681	0.375
2017	0.256	1.027	0.713	0.368
2018	0.277	1.028	0.750	0.380
2019	0.312	1.024	0.832	0.384
2020	0.323	1.020	0.882	0.374
2021	0.360	1.018	0.918	0.399
2022	0.341	1.010	0.916	0.376
				Projections (d)
2023				0.391
2024				0.390
9/1/2024				0.390

- (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) The trending projection is based on frequency and severity growth separately applied to the 2021 and 2022 on-level ratios. The frequency growth estimates are based on the intra-class frequency changes for accident year 2022 from Exhibit 12 and frequency model projections for accident years 2023 to 2025 from Exhibit 6.1. The annual medical severity growth estimates are from Exhibit 6.4.
- (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 Pure Premium Ratios
Based on Experience as of June 30, 2023**



* On-level medical to pure premium ratios (see Exhibit 7.3)

** The 9/1/2024 medical to pure premium ratio was calculated based on separate frequency and severity trends applied to the 2021 and 2022 years.

**Indicated Loss to Pure Premium Ratios
For Policies with Effective Dates between September 1, 2023 and August 31, 2024
Based on Experience as of June 30, 2023**

	<u>Indemnity</u>	<u>Medical</u>	<u>Total</u>
1. Projected Loss to Advisory Pure Premium Ratio (See Exhibits 7.1 and 7.3)	0.362	0.390	0.752

Quarterly Incurred Indemnity Loss Development Factors
Through June 30, 2023

Age in	Accident Year																						
Months	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
6/3	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	--	3.161	3.187	3.277		
9/6	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	--	1.970	1.912			
12/9	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	--	1.561	1.563			
15/12	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	1.261	1.293	1.298			
18/15	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	1.169	1.183	1.191			
21/18	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	1.122	1.134				
24/21	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	1.097	1.100				
27/24	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	1.079	1.078				
30/27	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	1.062	1.058	1.065				
33/30	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	1.045	1.046					
36/33	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	1.034	1.038					
39/36	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	1.029	1.029					
42/39	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	1.027	1.032					
45/42	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	1.015	1.022						
48/45	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	1.015	1.018						
51/48	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	1.014	1.016						
54/51	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	1.011	1.013						
57/54	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	1.009	1.009							
60/57	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	1.009	1.009							
63/60	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	1.008	1.008							
66/63	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	1.008	1.006							
69/66	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	1.005	1.006								
72/69	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	1.007	1.007								
75/72	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	1.005	1.004								
78/75	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	1.003	1.004								
81/78	1.005	1.006	1.010	1.009	1.007	1.007	1.006	1.006	1.007	1.005	1.005	1.003	1.003	1.003									
84/81	1.006	1.007	1.008	1.005	1.009	1.006	1.004	1.007	1.004	1.007	1.003	1.004	1.002	1.005									
87/84	1.002	1.007	1.010	1.007	1.004	1.005	1.006	1.004	1.006	1.004	1.003	1.002	1.001	1.003									
90/87	1.004	1.008	1.008	1.008	1.008	1.004	1.005	1.005	1.005	1.004	1.004	1.003	1.004	1.002									
93/90	1.005	1.006	1.008	1.006	1.007	1.006	1.003	1.004	1.005	1.004	1.003	1.004	1.002										
96/93	1.006	1.006	1.003	1.002	1.003	1.004	1.004	1.003	1.003	1.003	1.003	1.002	1.002										

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

Quarterly Incurred Medical Loss Development Factors *
Through June 30, 2023

Age in	Accident Year																						
Months	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
6/3	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	--	2.871	2.928	2.894		
9/6	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	1.821	1.845	--	1.747	1.763			
12/9	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	--	1.429	1.455			
15/12	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	1.166	1.172	1.178			
18/15	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	1.092	1.103	1.110			
21/18	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	1.077	1.067				
24/21	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	1.054	1.058				
27/24	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	1.049	1.050				
30/27	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	1.041	1.040				
33/30	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	1.028	1.031					
36/33	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	1.020	1.024					
39/36	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	1.019	1.023					
42/39	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	1.017	1.022					
45/42	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	1.013	1.014						
48/45	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	1.011	1.013						
51/48	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	1.007	1.013						
54/51	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	1.005	1.009	1.010						
57/54	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	1.007	1.005							
60/57	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	1.007	1.009							
63/60	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	1.004	1.007							
66/63	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	1.009	1.005							
69/66	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	1.002	1.008								
72/69	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	1.005	1.003								
75/72	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	1.004	1.002								
78/75	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	1.003	1.002								
81/78	1.014	1.018	1.017	1.016	1.009	1.009	1.005	1.006	1.006	1.005	1.004	1.002	1.002	1.006									
84/81	1.007	1.012	1.011	1.008	1.010	1.008	1.007	1.005	1.001	1.003	1.002	1.002	0.999	1.000									
87/84	1.010	1.012	1.014	1.012	1.008	1.007	1.004	1.003	1.001	1.002	1.002	1.001	1.001	1.002									
90/87	1.012	1.009	1.009	1.013	1.008	1.006	1.006	1.003	1.006	1.006	1.001	1.004	1.001	1.000									
93/90	1.010	1.011	1.012	1.009	1.009	1.007	1.002	1.003	1.002	1.004	1.000	1.003	1.002										
96/93	1.010	1.011	1.009	1.005	1.006	1.005	1.003	1.002	1.001	1.003	1.002	1.002	1.001										

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, 2023

Age in	Accident Year																						
Months	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
6/3	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	5.083	--	5.102	5.241	4.973		
9/6	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	--	2.441	2.433			
12/9	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	--	1.849	1.817			
15/12	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	1.509	1.503	1.505			
18/15	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	1.331	1.333	1.338			
21/18	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	1.239	1.236				
24/21	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	1.189	1.186				
27/24	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	1.148	1.142				
30/27	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	1.126	1.126	1.123				
33/30	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	1.101	1.101					
36/33	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	1.084	1.082					
39/36	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	1.066	1.067					
42/39	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	1.057	1.061	1.062					
45/42	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	1.045	1.050						
48/45	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	1.039	1.042						
51/48	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	1.031	1.033						
54/51	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	1.029	1.032						
57/54	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	1.024	1.025							
60/57	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	1.021	1.022							
63/60	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	1.017	1.019							
66/63	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	1.017	1.018							
69/66	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	1.015	1.015								
72/69	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	1.011	1.013								
75/72	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	1.012	1.011								
78/75	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	1.012	1.011								
81/78	1.010	1.012	1.015	1.015	1.016	1.015	1.015	1.013	1.012	1.011	1.010	1.008	1.009	1.009									
84/81	1.009	1.011	1.013	1.015	1.014	1.013	1.012	1.013	1.013	1.011	1.010	1.009	1.009	1.010									
87/84	1.008	1.009	1.012	1.014	1.013	1.010	1.012	1.010	1.011	1.010	1.007	1.006	1.008	1.008									
90/87	1.008	1.011	1.012	1.013	1.012	1.011	1.010	1.010	1.010	1.009	1.007	1.007	1.007	1.006									
93/90	1.008	1.012	1.011	1.011	1.012	1.010	1.010	1.009	1.009	1.008	1.007	1.006	1.006										
96/93	1.007	1.008	1.011	1.011	1.008	1.010	1.010	1.009	1.010	1.007	1.007	1.007	1.005										

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

Quarterly Paid Medical Loss Development Factors *
Through June 30, 2023

Age in	Accident Year																						
Months	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
6/3	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	4.982	--	6.124	6.026	5.194		
9/6	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	--	2.232	2.354			
12/9	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	--	1.720	1.753			
15/12	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	1.426	1.433	1.436	1.437	1.455			
18/15	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	1.270	1.272	1.293			
21/18	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	1.190	1.192				
24/21	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	1.149	1.145				
27/24	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	1.117	1.117				
30/27	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	1.101	1.107	1.106				
33/30	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	1.084	1.088					
36/33	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	1.074	1.073					
39/36	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	1.061	1.065					
42/39	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	1.053	1.057					
45/42	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	1.043	1.049						
48/45	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	1.039	1.039						
51/48	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	1.027	1.033						
54/51	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	1.029	1.032						
57/54	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	1.023	1.025							
60/57	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	1.021	1.021							
63/60	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	1.017	1.018							
66/63	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	1.017	1.018							
69/66	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	1.016	1.020								
72/69	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	1.013	1.014								
75/72	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	1.012	1.011								
78/75	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	1.015	1.012								
81/78	1.014	1.018	1.018	1.015	1.019	1.018	1.015	1.015	1.013	1.012	1.011	1.009	1.010	1.010									
84/81	1.013	1.016	1.016	1.015	1.018	1.015	1.015	1.015	1.013	1.013	1.010	1.009	1.010	1.010									
87/84	1.012	1.014	1.013	1.015	1.017	1.013	1.013	1.011	1.012	1.010	1.008	1.008	1.008	1.009									
90/87	1.013	1.015	1.013	1.015	1.013	1.013	1.012	1.011	1.012	1.009	1.008	1.009	1.007	1.006									
93/90	1.013	1.013	1.012	1.014	1.014	1.013	1.011	1.010	1.009	1.010	1.006	1.007	1.007										
96/93	1.009	1.013	1.015	1.016	1.011	1.012	1.010	1.009	1.009	1.009	1.006	1.007	1.007										

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															
	<u>6-18</u>	<u>18-30</u>	<u>30-42</u>	<u>42-54</u>	<u>54-66</u>	<u>66-78</u>	<u>78-90</u>	<u>90-102</u>	<u>102-114</u>	<u>114-126</u>	<u>126-138</u>	<u>138-150</u>	<u>150-162</u>	<u>162-174</u>	<u>174-186</u>	<u>186-198</u>
1998																1.000
1999															1.000	1.000
2000														1.000	1.000	1.000
2001													1.000	1.000	1.000	1.000
2002												1.000	1.000	1.000	1.000	1.000
2003											1.000	1.000	1.000	1.000	1.000	1.000
2004										1.000	1.000	1.001	1.000	1.000	1.000	1.000
2005									1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000
2006								1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000
2007							1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008						1.002	1.001	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009					1.004	1.002	1.003	1.001	1.000	1.000	1.000	1.000	1.000	1.000		
2010				1.008	1.005	1.004	1.002	1.000	1.000	1.000	1.000	1.000	1.000			
2011			1.019	1.009	1.006	1.002	1.001	1.000	1.000	1.000	1.001	1.001				
2012		1.073	1.020	1.011	1.004	1.002	1.001	1.000	1.000	1.001	1.001					
2013	2.980	1.066	1.021	1.007	1.002	1.001	1.002	1.000	1.001	1.001						
2014	2.915	1.073	1.014	1.005	1.003	1.001	1.000	1.000	1.001							
2015	2.998	1.060	1.009	1.004	1.003	1.002	1.000	1.000								
2016	2.909	1.062	1.012	1.004	1.002	1.001	1.000									
2017	2.821	1.053	1.013	1.004	1.002	1.001										
2018	2.878	1.055	1.011	1.003	1.002											
2019	2.935	1.058	1.013	1.005												
2020	2.822	1.056	1.012													
2021	2.886	1.056														
2022	2.906															
Latest Year																
<u>Age-to-Age</u>																
2.906	1.056	1.012	1.005	1.002	1.001	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000
<u>Age-to-Ultimate</u>																
3.154	1.085	1.027	1.015	1.010	1.007	1.006	1.006	1.006	1.005	1.004	1.004	1.003	1.003	1.003	1.003	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>
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	1.014	1.008	1.005	1.003	1.003	1.002	1.002	1.002
2017	2.733	1.717	1.410	1.149	1.047	1.027	1.018	1.012	1.010	1.006	1.004	1.002	1.002	1.002	1.002
2018	2.892	1.696	1.423	1.139	1.045	1.023	1.018	1.010	1.008	1.006	1.003	1.002	1.002	1.002	1.001
2019	2.780	1.751	1.425	1.138	1.034	1.023	1.015	1.010	1.009	1.005	1.003	1.002	1.002	1.001	1.001
2020	--	--	--	1.130	1.042	1.025	1.014	1.009	1.007	1.004	1.003	1.003	1.002		
2021	2.805	1.741	1.409	1.129	1.042	1.024	1.015	1.009	1.007						
2022	2.842	1.718	1.420	1.138	1.047										
2023	2.872														

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

Reported Indemnity Claim Settlement Ratios

Accident	Evaluated as of (in months):																
Year	6	18	30	42	54	66	78	90	102	114	126	138	150	162	174	186	198
1998																	98.1%
1999																97.8%	98.0%
2000															97.3%	97.7%	97.9%
2001														96.3%	96.8%	97.2%	97.5%
2002													96.1%	96.6%	97.1%	97.5%	97.9%
2003												95.5%	96.1%	96.7%	97.2%	97.7%	98.1%
2004											94.9%	95.8%	96.4%	97.0%	97.5%	98.0%	98.3%
2005										93.8%	95.0%	95.9%	96.7%	97.3%	97.8%	98.2%	98.5%
2006									92.2%	93.7%	95.0%	96.0%	96.7%	97.4%	97.8%	98.2%	98.4%
2007								90.1%	92.3%	94.1%	95.4%	96.4%	97.1%	97.7%	98.1%	98.4%	98.6%
2008							87.0%	90.2%	92.8%	94.4%	95.6%	96.6%	97.3%	97.8%	98.0%	98.3%	
2009						81.9%	86.7%	90.3%	92.8%	94.5%	95.9%	96.8%	97.4%	97.8%	98.1%		
2010					76.8%	83.4%	88.2%	91.5%	93.8%	95.4%	96.5%	97.2%	97.7%	98.1%			
2011				68.1%	78.0%	84.6%	89.2%	92.4%	94.6%	95.9%	96.8%	97.4%	97.8%				
2012			55.7%	69.7%	79.2%	85.9%	90.3%	93.4%	95.1%	96.3%	97.0%	97.5%					
2013		39.2%	57.0%	71.0%	81.1%	87.5%	91.7%	94.2%	95.7%	96.7%	97.4%						
2014	15.2%	39.8%	57.8%	72.6%	82.6%	88.7%	92.3%	94.4%	95.9%	96.7%							
2015	15.2%	40.5%	60.1%	75.0%	84.6%	89.8%	92.6%	94.7%	96.1%								
2016	15.8%	42.8%	62.7%	77.5%	85.7%	90.1%	92.9%	94.9%									
2017	16.8%	45.1%	65.4%	78.4%	85.7%	90.1%	93.0%										
2018	17.9%	45.6%	64.5%	76.8%	84.9%	89.7%											
2019	18.0%	44.6%	62.0%	75.1%	83.8%												
2020	18.3%	43.8%	61.3%	74.6%													
2021	18.7%	46.4%	63.1%														
2022	18.3%	46.1%															
2023	19.4%																

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

Estimated Ultimate Indemnity Claim Settlement Ratios

Accident	Evaluated as of (in months):																
Year	<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>	<u>126</u>	<u>138</u>	<u>150</u>	<u>162</u>	<u>174</u>	<u>186</u>	<u>198</u>
1998																	98.0%
1999																97.8%	98.0%
2000															97.9%	98.2%	98.5%
2001														96.2%	96.6%	97.0%	97.4%
2002													95.9%	96.5%	96.9%	97.4%	97.7%
2003												95.3%	95.9%	96.6%	97.1%	97.5%	97.9%
2004											94.6%	95.5%	96.2%	96.9%	97.3%	97.8%	98.1%
2005										93.6%	94.9%	95.8%	96.6%	97.1%	97.6%	98.0%	98.3%
2006									91.9%	93.5%	94.9%	95.9%	96.6%	97.2%	97.6%	98.0%	98.2%
2007								89.7%	92.0%	93.9%	95.2%	96.1%	96.9%	97.5%	97.8%	98.1%	98.4%
2008							86.3%	89.7%	92.4%	94.1%	95.3%	96.3%	97.0%	97.5%	97.8%	98.1%	
2009						81.1%	86.1%	90.0%	92.5%	94.2%	95.6%	96.5%	97.1%	97.5%	97.8%		
2010					75.7%	82.6%	87.7%	91.2%	93.4%	95.0%	96.1%	96.8%	97.4%	97.8%			
2011				66.6%	76.8%	83.9%	88.6%	91.9%	94.1%	95.5%	96.4%	97.0%	97.5%				
2012			53.4%	68.1%	78.2%	85.1%	89.7%	92.8%	94.5%	95.7%	96.6%	97.2%					
2013		35.3%	54.8%	69.7%	80.2%	86.7%	90.9%	93.6%	95.2%	96.2%	96.9%						
2014	4.7%	36.0%	56.1%	71.5%	81.8%	88.0%	91.7%	93.8%	95.3%	96.2%							
2015	4.7%	37.3%	58.7%	73.9%	83.7%	89.1%	92.0%	94.2%	95.5%								
2016	5.0%	39.3%	61.1%	76.5%	84.9%	89.5%	92.4%	94.3%									
2017	5.5%	41.7%	63.7%	77.3%	85.0%	89.4%	92.4%										
2018	5.8%	42.2%	63.0%	75.9%	84.0%	89.0%											
2019	5.6%	41.0%	60.3%	74.0%	83.0%												
2020	6.0%	40.4%	59.7%	73.5%													
2021	6.0%	42.7%	61.4%														
2022	5.8%	42.4%															
2023	6.1%																

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

Quarterly Ultimate Settlement Ratios

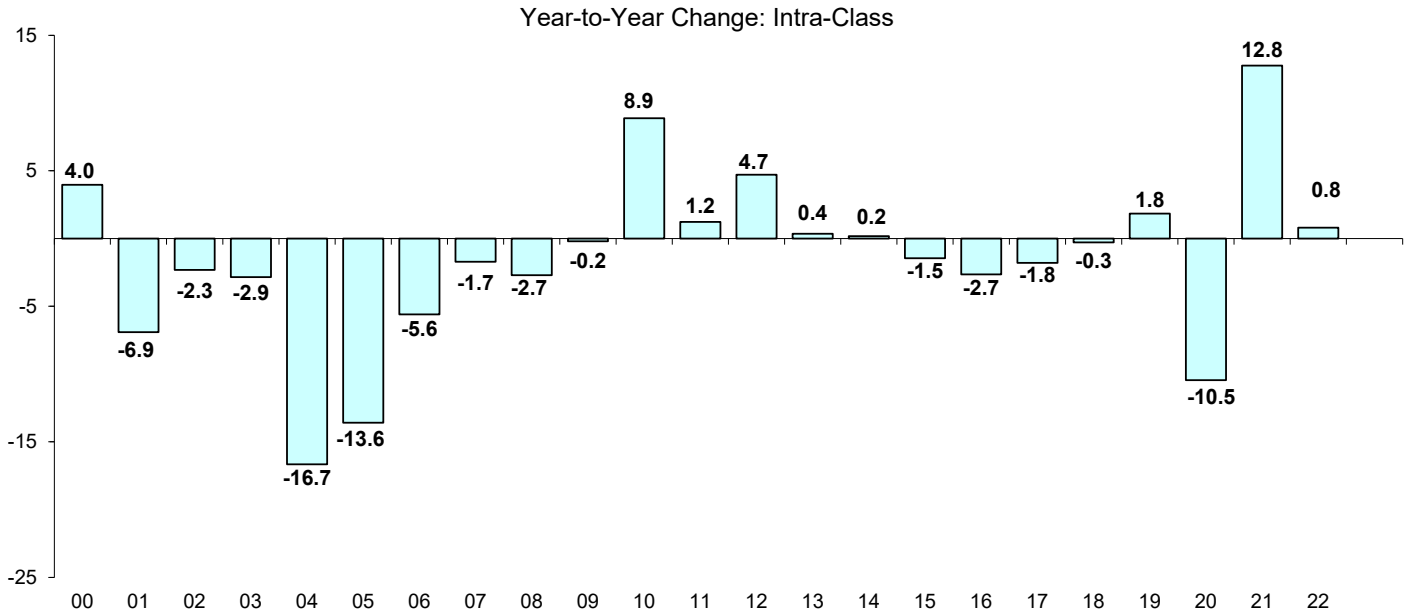
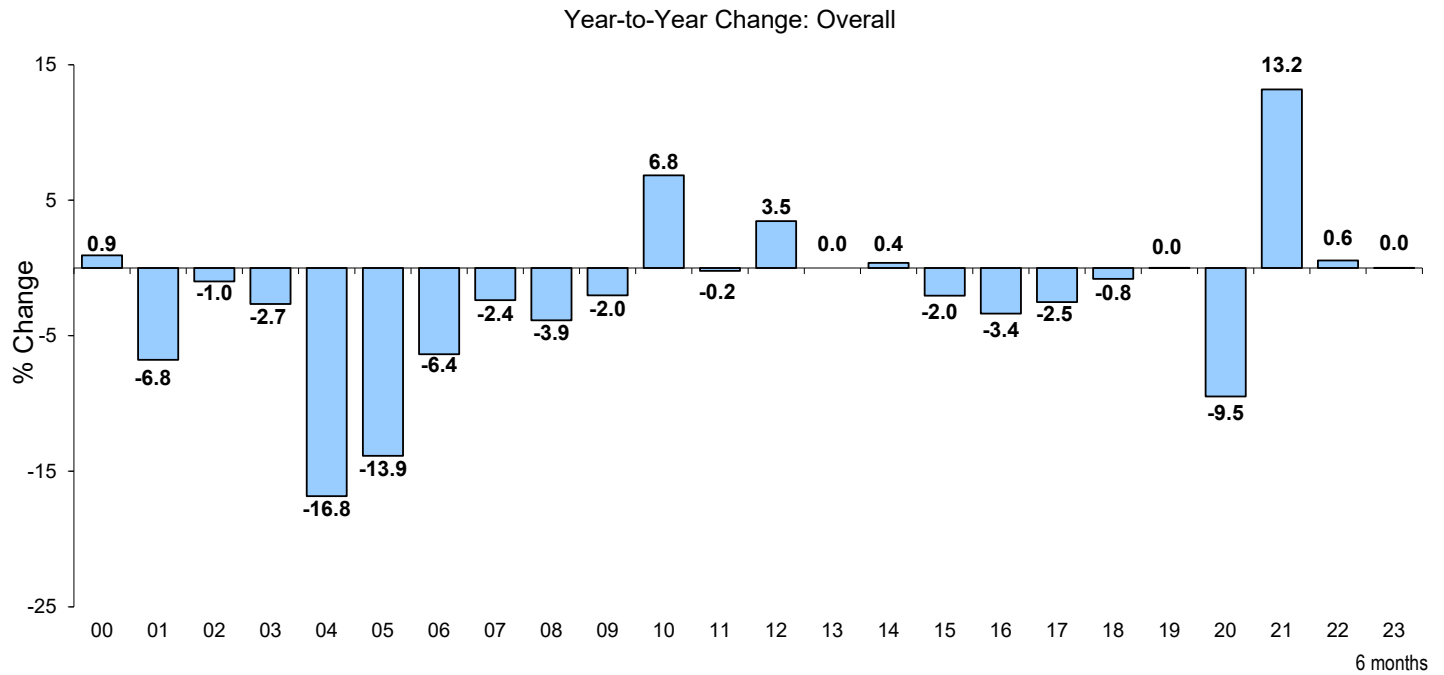
Accident	Evaluated as of (in months):															
Year	<u>3</u>	<u>6</u>	<u>9</u>	<u>12</u>	<u>15</u>	<u>18</u>	<u>21</u>	<u>24</u>	<u>27</u>	<u>30</u>	<u>33</u>	<u>36</u>	<u>39</u>	<u>42</u>	<u>45</u>	<u>48</u>
2014	0.7%	4.7%	11.6%	20.8%	29.2%	36.0%	41.8%	47.0%	51.6%	56.1%	60.5%	64.7%	67.9%	71.5%	74.5%	77.5%
2015	0.8%	4.7%	11.9%	20.9%	30.0%	37.3%	43.1%	48.6%	53.6%	58.7%	63.1%	67.4%	70.6%	73.9%	77.0%	79.8%
2016	0.8%	5.0%	12.2%	21.8%	31.4%	39.3%	45.3%	51.3%	56.0%	61.1%	65.5%	70.0%	73.2%	76.5%	79.2%	81.9%
2017	0.8%	5.5%	13.3%	24.0%	33.8%	41.7%	48.1%	54.1%	58.8%	63.7%	68.1%	72.1%	74.9%	77.3%	79.8%	82.0%
2018	0.9%	5.8%	13.8%	24.5%	34.4%	42.2%	48.6%	54.4%	59.1%	63.0%	66.9%	70.6%	73.2%	75.9%	78.5%	80.9%
2019	1.0%	5.6%	13.6%	24.5%	34.5%	41.0%	46.8%	52.0%	56.1%	60.3%	64.5%	68.3%	71.1%	74.0%	77.2%	79.8%
2020	--	--	--	23.6%	32.8%	40.4%	46.1%	51.3%	55.1%	59.7%	64.1%	68.1%	71.0%	73.5%		
2021	0.7%	6.0%	14.3%	24.7%	34.8%	42.7%	48.6%	53.7%	57.7%	61.4%						
2022	0.8%	5.8%	14.6%	25.2%	35.3%	42.4%										
2023	1.1%	6.1%														

Accident	Quarterly Incremental Change														
Year	<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>
2014	4.0%	6.9%	9.2%	8.5%	6.8%	5.8%	5.2%	4.6%	4.5%	4.4%	4.2%	3.2%	3.5%	3.0%	3.0%
2015	3.9%	7.2%	9.0%	9.1%	7.4%	5.8%	5.5%	5.0%	5.1%	4.5%	4.2%	3.2%	3.4%	3.1%	2.8%
2016	4.2%	7.2%	9.6%	9.6%	7.9%	6.0%	6.0%	4.6%	5.2%	4.4%	4.4%	3.3%	3.3%	2.7%	2.7%
2017	4.7%	7.8%	10.7%	9.8%	7.9%	6.3%	6.1%	4.7%	4.8%	4.4%	4.1%	2.8%	2.4%	2.5%	2.2%
2018	4.8%	8.0%	10.7%	9.9%	7.8%	6.4%	5.8%	4.7%	3.9%	3.9%	3.7%	2.6%	2.7%	2.6%	2.4%
2019	4.7%	8.0%	10.8%	10.1%	6.5%	5.8%	5.2%	4.1%	4.2%	4.2%	3.8%	2.9%	2.9%	3.1%	2.6%
2020	--	--	--	9.2%	7.6%	5.7%	5.2%	3.8%	4.6%	4.4%	4.0%	2.8%	2.6%		
2021	5.3%	8.3%	10.4%	10.1%	7.9%	5.9%	5.1%	3.9%	3.8%						
2022	5.0%	8.8%	10.7%	10.1%	7.1%										
2023	5.0%														

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 90% to 99% of the total California workers' compensation insured market measured using 2022 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 2022 and 2023 estimates are based on a comparison of claim counts based on WCIRB accident year experience as of June 30, 2023 relative to the estimated change in statewide employment. Experience excludes COVID-19 claims. Prior years are based on unit statistical data.

Summary of COVID-19 Claim Information as of June 30, 2023

AY2020 @6/30/2023	Based on 99% of the Market			Average per Indemnity Claim			Average per Total Claim		
	COVID-19 Claims	2Q-2023 Data Call	COVID-19 Percentage	COVID-19 Claims	All WC Claims	Without COVID-19 Claims	COVID-19 Claims	All WC Claims	Without COVID-19 Claims
Ind. Paid	136,203,804	2,471,532,811	5.5%	\$7,530	\$16,276	\$17,458	\$5,028	\$6,914	\$7,069
Ind. Reserves	68,106,952	751,548,534	9.1%	\$3,765	\$4,949	\$5,109	\$2,514	\$2,102	\$2,069
Ind. Incurred	204,310,756	3,223,081,345	6.3%	\$11,295	\$21,225	\$22,568	\$7,542	\$9,016	\$9,137
Med. Paid	96,117,842	2,597,151,181	3.7%	\$5,314	\$17,103	\$18,697	\$3,548	\$7,265	\$7,570
Med. Reserves	76,862,586	992,111,611	7.7%	\$4,249	\$6,533	\$6,842	\$2,838	\$2,775	\$2,770
Med. Incurred	172,980,428	3,589,262,792	4.8%	\$9,563	\$23,636	\$25,539	\$6,386	\$10,041	\$10,340
ALAE Paid	37,472,512	1,033,724,834	3.6%	\$2,072	\$6,807	\$7,448	\$1,383	\$2,892	\$3,015
MCCP	6,107,853	204,975,155	3.0%	\$338	\$1,350	\$1,487	\$225	\$573	\$602
Paid on Med-Only Claims	7,140,481	261,916,062	2.7%						
Ind. Paid on Open Ind. Claims	136,203,804	2,471,532,811	5.5%						
Med. Paid on Open Ind. Claims	68,106,952	751,548,534	9.1%						
AY2020 Claim Counts									
# of Open Indemnity Claims	1,165	35,129	3.3%						
# of Med-Only Claims	8,999	205,616	4.4%						
# of Indemnity Claims	18,089	151,855	11.9%						
Total Number of Claims	27,088	357,471	7.6%						

AY2021 @6/30/2023	Based on 99% of the Market			Average per Indemnity Claim			Average per Total Claim		
	COVID-19 Claims	2Q-2023 Data Call	COVID-19 Percentage	COVID-19 Claims	All WC Claims	Without COVID-19 Claims	COVID-19 Claims	All WC Claims	Without COVID-19 Claims
Ind. Paid	32,455,491	1,955,052,949	1.7%	\$4,793	\$12,831	\$13,204	\$3,218	\$5,146	\$5,198
Ind. Reserves	25,925,031	986,755,459	2.6%	\$3,828	\$6,476	\$6,599	\$2,570	\$2,597	\$2,598
Ind. Incurred	58,380,522	2,941,808,408	2.0%	\$8,621	\$19,306	\$19,803	\$5,788	\$7,743	\$7,796
Med. Paid	23,257,231	2,106,685,834	1.1%	\$3,434	\$13,826	\$14,309	\$2,306	\$5,545	\$5,633
Med. Reserves	29,382,276	1,315,284,722	2.2%	\$4,339	\$8,632	\$8,832	\$2,913	\$3,462	\$3,477
Med. Incurred	52,639,507	3,421,970,556	1.5%	\$7,773	\$22,458	\$23,141	\$5,219	\$9,007	\$9,110
ALAE Paid	10,744,913	806,260,951	1.3%	\$1,587	\$5,291	\$5,464	\$1,065	\$2,122	\$2,151
MCCP	1,637,099	178,851,619	0.9%	\$242	\$1,174	\$1,217	\$162	\$471	\$479
Paid on Med-Only Claims	2,399,681	273,879,474	0.9%						
Ind. Paid on Open Ind. Claims	32,455,491	1,955,052,949	1.7%						
Med. Paid on Open Ind. Claims	25,925,031	986,755,459	2.6%						
AY2021 Claim Counts									
# of Open Indemnity Claims	581	54,118	1.1%						
# of Med-Only Claims	3,314	227,557	1.5%						
# of Indemnity Claims	6,772	152,375	4.4%						
Total Number of Claims	10,086	379,932	2.7%						

AY2022 @6/30/2023	Based on 99% of the Market			Average per Indemnity Claim			Average per Total Claim		
	COVID-19 Claims	2Q-2023 Data Call	COVID-19 Percentage	COVID-19 Claims	All WC Claims	Without COVID-19 Claims	COVID-19 Claims	All WC Claims	Without COVID-19 Claims
Ind. Paid	7,721,060	1,158,025,683	0.7%	\$1,383	\$7,625	\$7,864	\$916	\$3,029	\$3,077
Ind. Reserves	4,813,582	1,074,686,389	0.4%	\$862	\$7,076	\$7,314	\$571	\$2,811	\$2,862
Ind. Incurred	12,534,642	2,232,712,072	0.6%	\$2,245	\$14,702	\$15,177	\$1,487	\$5,840	\$5,938
Med. Paid	3,730,798	1,323,225,597	0.3%	\$668	\$8,713	\$9,020	\$443	\$3,461	\$3,529
Med. Reserves	5,109,716	1,586,967,868	0.3%	\$915	\$10,450	\$10,814	\$606	\$4,151	\$4,231
Med. Incurred	8,840,514	2,910,193,465	0.3%	\$1,583	\$19,163	\$19,834	\$1,049	\$7,612	\$7,760
ALAE Paid	2,469,630	460,900,310	0.5%	\$442	\$3,035	\$3,134	\$293	\$1,206	\$1,226
MCCP	369,588	114,290,313	0.3%	\$66	\$753	\$779	\$44	\$299	\$305
Paid on Med-Only Claims	627,348	248,021,582	0.3%						
Ind. Paid on Open Ind. Claims	7,721,060	1,158,025,683	0.7%						
Med. Paid on Open Ind. Claims	4,813,582	1,074,686,389	0.4%						
AY2022 Claim Counts									
# of Open Indemnity Claims	318	79,003	0.4%						
# of Med-Only Claims	2,848	230,442	1.2%						
# of Indemnity Claims	5,583	151,867	3.7%						
Total Number of Claims	8,431	382,309	2.2%						

AY2023 @6/30/2023	Based on 99% of the Market			Average per Indemnity Claim			Average per Total Claim		
	COVID-19 Claims	2Q-2023 Data Call	COVID-19 Percentage	COVID-19 Claims	All WC Claims	Without COVID-19 Claims	COVID-19 Claims	All WC Claims	Without COVID-19 Claims
Ind. Paid	805,841	134,574,708	0.6%	\$783	\$2,565	\$2,601	\$634	\$1,003	\$1,006
Ind. Reserves	615,489	341,830,413	0.2%	\$598	\$6,516	\$6,634	\$484	\$2,548	\$2,567
Ind. Incurred	1,421,330	476,405,121	0.3%	\$1,381	\$9,081	\$9,235	\$1,118	\$3,550	\$3,574
Med. Paid	62,271	177,688,424	0.0%	\$61	\$3,387	\$3,453	\$49	\$1,324	\$1,336
Med. Reserves	941,408	665,526,630	0.1%	\$915	\$12,685	\$12,921	\$741	\$4,960	\$5,000
Med. Incurred	1,003,679	843,215,054	0.1%	\$975	\$16,072	\$16,374	\$790	\$6,284	\$6,337
ALAE Paid	83,618	40,385,455	0.2%	\$81	\$770	\$784	\$66	\$301	\$303
MCCP	4,916	16,033,545	0.0%	\$5	\$306	\$312	\$4	\$119	\$121
Paid on Med-Only Claims	19,864	57,399,442	0.0%						
Ind. Paid on Open Ind. Claims	805,841	134,574,708	0.6%						
Med. Paid on Open Ind. Claims	615,489	341,830,413	0.2%						
AY2023 Claim Counts									
# of Open Indemnity Claims	210	41,598	0.5%						
# of Med-Only Claims	242	81,717	0.3%						
# of Indemnity Claims	1,029	52,464	2.0%						
Total Number of Claims	1,271	134,181	0.9%						

Source: WCIRB accident year experience calls.

Average Paid ALAE per Reported Indemnity Claim - Private Insurers

As of June 30, 2023

Accident	Evaluated as of (in months):									
Year	<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>
2002							5,765	6,142	6,358	6,536
2003						5,665	6,151	6,458	6,704	6,911
2004					4,742	5,345	5,779	6,094	6,336	6,535
2005				3,543	4,389	4,977	5,408	5,749	6,034	6,228
2006			2,523	3,683	4,534	5,169	5,659	6,006	6,279	6,527
2007		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	8,612
2010	290	1,581	3,427	4,946	6,084	6,950	7,627	8,074	8,390	8,618
2011	275	1,600	3,382	4,878	6,072	7,008	7,607	8,009	8,312	8,528
2012	271	1,606	3,475	5,096	6,323	7,149	7,678	8,049	8,356	8,522
2013	297	1,721	3,758	5,341	6,443	7,152	7,639	7,993	8,191	8,333
2014	312	1,910	3,951	5,487	6,496	7,149	7,629	7,903	8,093	8,222
2015	357	2,001	4,047	5,494	6,441	7,076	7,444	7,701	7,882	
2016	348	2,054	4,084	5,529	6,455	6,991	7,368	7,623		
2017	375	2,122	4,190	5,547	6,370	6,908	7,275			
2018	412	2,251	4,335	5,702	6,622	7,220				
2019	419	2,286	4,306	5,775	6,718					
2020	428	2,291	4,444	5,962						
2021	399	2,161	4,265							
2022	421	2,370								
2023	477									

	Annual Change									
Year	<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>
2003							6.7%	5.1%	5.4%	5.7%
2004						-5.6%	-6.1%	-5.6%	-5.5%	-5.4%
2005					-7.4%	-6.9%	-6.4%	-5.7%	-4.8%	-4.7%
2006				4.0%	3.3%	3.9%	4.7%	4.5%	4.1%	4.8%
2007			7.4%	6.3%	6.8%	7.4%	8.3%	8.6%	9.0%	8.7%
2008		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%	10.6%
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%	-1.3%	-1.4%	-0.2%	0.8%	-0.3%	-0.8%	-0.9%	-1.0%
2012	-1.3%	0.4%	2.8%	4.5%	4.1%	2.0%	0.9%	0.5%	0.5%	-0.1%
2013	9.4%	7.2%	8.1%	4.8%	1.9%	0.0%	-0.5%	-0.7%	-2.0%	-2.2%
2014	5.3%	11.0%	5.1%	2.7%	0.8%	0.0%	-0.1%	-1.1%	-1.2%	-1.3%
2015	14.3%	4.8%	2.4%	0.1%	-0.9%	-1.0%	-2.4%	-2.6%	-2.6%	
2016	-2.6%	2.6%	0.9%	0.6%	0.2%	-1.2%	-1.0%	-1.0%		
2017	7.7%	3.3%	2.6%	0.3%	-1.3%	-1.2%	-1.3%			
2018	9.9%	6.1%	3.5%	2.8%	4.0%	4.5%				
2019	1.8%	1.6%	-0.7%	1.3%	1.5%					
2020	2.1%	0.2%	3.2%	3.2%						
2021	-6.9%	-5.7%	-4.0%							
2022	5.6%	9.6%								
2023	13.4%									

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

Paid Allocated Loss Adjustment Expense Development - Private Insurers
As of June 30, 2023

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	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	1.006
2006						1.069	1.052	1.040	1.030	1.021	1.017	1.012	1.009	1.007	1.006	1.005
2007					1.108	1.072	1.051	1.039	1.027	1.020	1.016	1.012	1.008	1.007	1.005	
2008				1.159	1.103	1.071	1.050	1.033	1.025	1.019	1.014	1.010	1.008	1.007		
2009			1.264	1.157	1.102	1.068	1.044	1.031	1.023	1.016	1.012	1.009	1.007			
2010		1.489	1.253	1.148	1.102	1.061	1.040	1.028	1.020	1.014	1.008	1.007				
2011	2.311	1.486	1.259	1.161	1.088	1.057	1.039	1.024	1.016	1.013	1.009					
2012	2.344	1.493	1.254	1.135	1.079	1.050	1.036	1.021	1.015	1.012						
2013	2.327	1.453	1.216	1.115	1.070	1.043	1.026	1.018	1.013							
2014	2.226	1.412	1.193	1.105	1.064	1.037	1.025	1.017								
2015	2.155	1.375	1.179	1.096	1.054	1.035	1.023									
2016	2.123	1.374	1.165	1.087	1.055	1.035										
2017	2.088	1.333	1.155	1.087	1.054											
2018	2.020	1.332	1.166	1.094												
2019	2.001	1.361	1.171													
2020	2.062	1.362														
2021	2.095															
Latest Year																
Age-to-Age	2.095	1.362	1.171	1.094	1.054	1.035	1.023	1.017	1.013	1.012	1.009	1.007	1.007	1.007	1.005	1.005
Cumulative	4.722	2.254	1.656	1.414	1.293	1.227	1.186	1.159	1.140	1.125	1.112	1.103	1.095	1.087	1.080	1.074
2-Year Arithmetic Average																
Age-to-Age	2.078	1.361	1.168	1.090	1.055	1.035	1.024	1.017	1.014	1.012	1.009	1.008	1.008	1.007	1.005	1.005
Cumulative	4.704	2.263	1.662	1.423	1.305	1.238	1.195	1.167	1.147	1.131	1.118	1.108	1.099	1.091	1.084	1.078

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	390-402
1990						1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.003	1.001	1.003	1.001
1991					1.003	1.003	1.003	1.002	1.003	1.003	1.002	1.002	1.002	1.001	1.001	
1992				1.003	1.003	1.003	1.003	1.003	1.003	1.002	1.004	1.002	1.002	1.001		
1993			1.005	1.005	1.006	1.005	1.005	1.004	1.004	1.005	1.002	1.002	1.002			
1994		1.006	1.006	1.007	1.005	1.005	1.004	1.003	1.004	1.003	1.002	1.002				
1995	1.010	1.008	1.008	1.007	1.008	1.006	1.006	1.007	1.004	1.003	1.002					
1996	1.008	1.008	1.007	1.006	1.006	1.005	1.007	1.003	1.003							
1997	1.008	1.007	1.007	1.006	1.005	1.006	1.004	1.003	1.003							
1998	1.010	1.009	1.007	1.006	1.005	1.004	1.003	1.003								
1999	1.009	1.007	1.006	1.005	1.004	1.003	1.002									
2000	1.008	1.006	1.005	1.004	1.004	1.003										
2001	1.007	1.006	1.004	1.004	1.003											
2002	1.006	1.004	1.003	1.003												
2003	1.005	1.004	1.003													
2004	1.005	1.003														
2005	1.005															
Latest Year																
Age-to-Age	1.005	1.003	1.003	1.003	1.003	1.003	1.002	1.003	1.003	1.003	1.002	1.002	1.002	1.001	1.001	1.001
Cumulative ^[1]	1.069	1.064	1.061	1.058	1.054	1.051	1.048	1.046	1.043	1.040	1.037	1.034	1.032	1.031	1.030	1.029
2-Year Arithmetic Average																
Age-to-Age	1.005	1.004	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.002	1.002	1.002	1.001	1.002	1.001
Cumulative ^[1]	1.072	1.067	1.063	1.060	1.057	1.053	1.050	1.047	1.044	1.041	1.038	1.035	1.033	1.032	1.031	1.029

Note:

^[1] Factors in italics are based on powerfit fit to the "3-Year Arithmetic Average" factors.

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

Quarterly Paid ALAE Loss Development Factors - Private Insurers

Age in Months	Accident Year														
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
3 - 6	5.434	9.136	8.769	8.693	8.584	6.234	9.857	8.970	8.932	8.255	7.884	---	9.341	9.011	8.768
6 - 9	2.630	3.023	3.176	3.213	3.058	3.163	3.169	3.155	3.050	3.134	3.137	---	3.191	3.062	
9 - 12	2.034	2.077	2.165	2.115	2.133	2.158	2.103	2.100	2.130	2.076	2.133	---	2.065	2.126	
12 - 15	1.724	1.737	1.701	1.713	1.784	1.744	1.730	1.771	1.699	1.672	1.662	1.639	1.672	1.718	
15 - 18	1.509	1.482	1.486	1.510	1.494	1.486	1.480	1.488	1.450	1.442	1.432	1.461	1.475	1.485	
18 - 21	1.326	1.334	1.343	1.338	1.349	1.328	1.309	1.307	1.309	1.289	1.261	1.311	1.314		
21 - 24	1.255	1.253	1.248	1.249	1.237	1.237	1.225	1.226	1.226	1.213	1.218	1.211	1.207		
24 - 27	1.197	1.189	1.186	1.205	1.187	1.176	1.183	1.167	1.150	1.150	1.157	1.153	1.165		
27 - 30	1.170	1.158	1.163	1.160	1.156	1.149	1.141	1.132	1.129	1.123	1.131	1.132	1.134		
30 - 33	1.138	1.133	1.131	1.130	1.122	1.116	1.110	1.109	1.099	1.101	1.109	1.105			
33 - 36	1.114	1.113	1.108	1.104	1.101	1.095	1.088	1.092	1.084	1.078	1.084	1.082			
36 - 39	1.094	1.091	1.095	1.093	1.085	1.085	1.073	1.068	1.061	1.063	1.068	1.071			
39 - 42	1.082	1.083	1.081	1.081	1.076	1.072	1.062	1.062	1.055	1.057	1.062	1.063			
42 - 45	1.074	1.069	1.068	1.070	1.061	1.057	1.054	1.049	1.047	1.050	1.051				
45 - 48	1.064	1.062	1.059	1.057	1.055	1.050	1.046	1.043	1.039	1.040	1.041				
48 - 51	1.053	1.053	1.051	1.049	1.047	1.041	1.036	1.034	1.031	1.035	1.036				
51 - 54	1.050	1.048	1.048	1.045	1.042	1.036	1.034	1.031	1.030	1.032	1.032				
54 - 57	1.043	1.040	1.043	1.038	1.035	1.031	1.027	1.025	1.027	1.026					
57 - 60	1.039	1.037	1.036	1.035	1.031	1.028	1.026	1.023	1.022	1.023					
60 - 63	1.034	1.032	1.031	1.031	1.025	1.023	1.021	1.018	1.018	1.020					
63 - 66	1.031	1.032	1.029	1.028	1.023	1.021	1.019	1.018	1.018	1.021					
66 - 69	1.028	1.028	1.024	1.024	1.021	1.017	1.015	1.017	1.015						
69 - 72	1.026	1.023	1.023	1.021	1.018	1.018	1.014	1.014	1.014						
72 - 75	1.022	1.021	1.020	1.019	1.017	1.015	1.012	1.012	1.012						
75 - 78	1.022	1.020	1.019	1.016	1.015	1.013	1.012	1.012	1.012						
78 - 81	1.020	1.017	1.017	1.015	1.011	1.010	1.011	1.010							
81 - 84	1.017	1.016	1.014	1.014	1.012	1.009	1.009	1.009							
84 - 87	1.015	1.014	1.014	1.013	1.011	1.008	1.008	1.009							
87 - 90	1.014	1.012	1.012	1.011	1.008	1.008	1.008	1.007							
90 - 93	1.012	1.012	1.011	1.009	1.005	1.007	1.005								
93 - 96	1.012	1.010	1.011	1.009	1.007	1.006	1.007								
96 - 99	1.010	1.010	1.008	1.010	1.006	1.006	1.005								
99 - 102	1.009	1.009	1.008	1.007	1.006	1.006	1.006								
102 - 105	1.009	1.008	1.007	1.004	1.005	1.005									
105 - 108	1.008	1.007	1.007	1.005	1.005	1.004									
108 - 111	1.008	1.006	1.005	1.005	1.004	1.004									
111 - 114	1.007	1.006	1.005	1.004	1.004	1.004									
114 - 117	1.007	1.006	1.004	1.005	1.003										
117 - 120	1.006	1.005	1.004	1.004	1.003										
120 - 123	1.005	1.005	1.004	1.003	1.003										

Source: WCIRB quarterly experience calls, excluding MCCP costs and COVID claims.

Average Paid M CCP per Reported Indemnity Claim - Statewide
As of June 30, 2023

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>
2014	369	958	1,415	1,692	1,878	1,982	2,010	2,062
2015	354	953	1,394	1,659	1,818	1,860	1,918	1,967
2016	347	912	1,320	1,550	1,638	1,720	1,786	1,837
2017	330	901	1,297	1,491	1,625	1,713	1,780	
2018	366	954	1,297	1,520	1,662	1,765		
2019	363	881	1,290	1,525	1,682			
2020	341	871	1,250	1,487				
2021	350	823	1,217					
2022	304	779						
2023	312							

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>
2015	-3.9%	-0.5%	-1.5%	-1.9%	-3.2%	-6.2%	-4.6%	-4.6%
2016	-2.1%	-4.3%	-5.2%	-6.6%	-9.9%	-7.5%	-6.9%	-6.6%
2017	-4.9%	-1.2%	-1.8%	-3.8%	-0.8%	-0.4%	-0.3%	
2018	10.8%	5.8%	0.0%	2.0%	2.3%	3.1%		
2019	-0.8%	-7.7%	-0.5%	0.3%	1.2%			
2020	-6.0%	-1.1%	-3.1%	-2.5%				
2021	2.6%	-5.5%	-2.6%					
2022	-13.3%	-5.4%						
2023	2.6%							

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

Item AC23-09-03

Impact of Payroll Limitations in the Frequency Model

In recent regulatory filings, the Insurance Commissioner approved extending annual payroll limitations to be applied to employees in five additional classifications, effective January 1, 2020, and to employees in seven additional classifications, effective September 1, 2022. In the WCIRB's indemnity claim frequency model, frequency is calculated as indemnity claims per \$1M of exposure at the wage level of the most recent policy year for which unit statistical reports are available.

Staff has examined two methods of accounting for the impact on the frequency model caused by changes in reported payroll. The first approach uses payroll information as reported for all years and allows distortions to be handled by the hazardousness adjustment already included in the model. The model's hazardousness adjustment accounts for changes in classification mix and is most meaningful during economic disruptions. Using this approach, classifications that become payroll limited would have a large decrease in payroll share from year to year, along with an increase in frequency. The second approach uses estimates of the share of classification payroll that is eliminated by the limitation to adjust payroll data from all years to a common level.

Scenario Testing

To test the impact of limiting hypothetical classifications with varying wage levels, claim frequencies, and market shares, staff developed a testing framework with the following assumptions:

- The annual frequency change is known and common for all classifications.
- Annual changes in unlimited payroll by classification are known.
- The fraction of payroll eliminated for limited classifications is known.

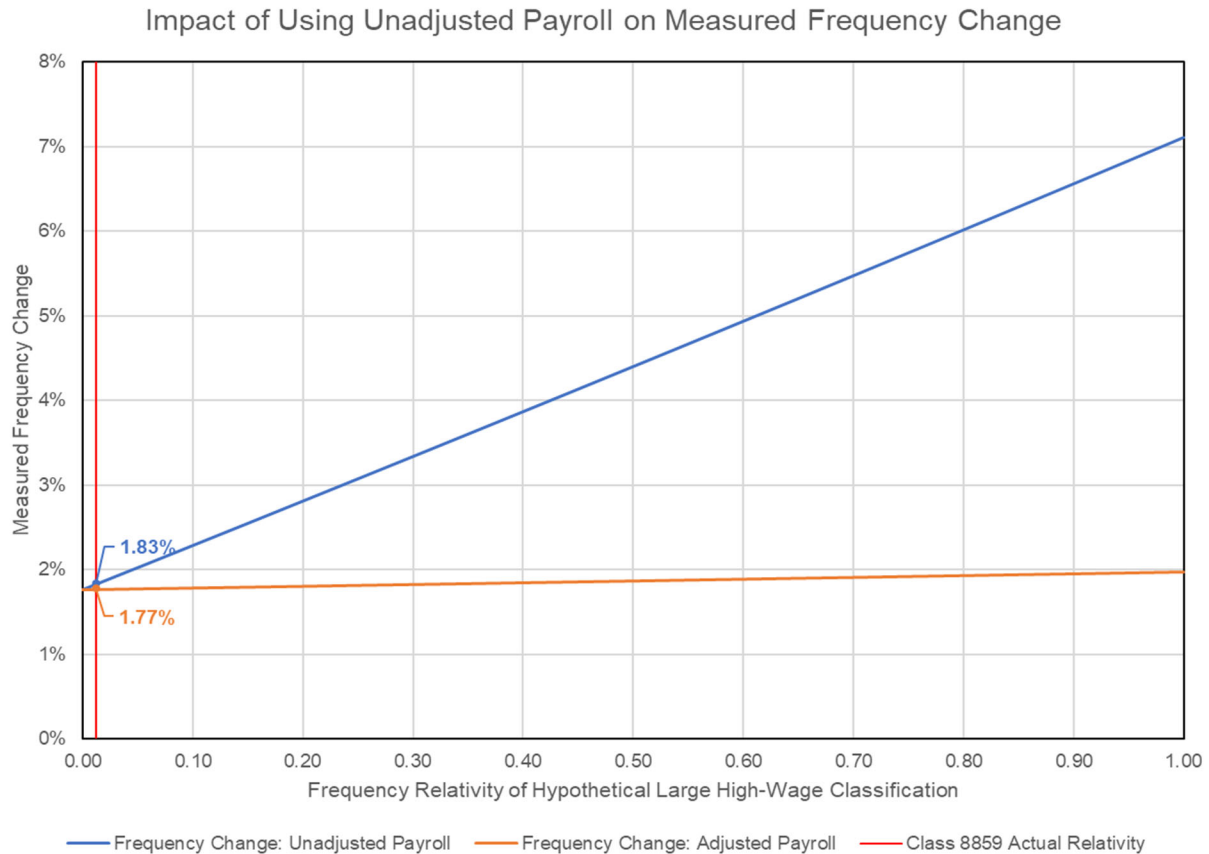
Using this testing framework, staff found that adjusting payroll for limited classifications to a common basis would result in a measured frequency change equal to the known change when the factors selected to adjust payroll for limited classifications are equal to the true factors. Estimation error in the measured frequency change would increase as the selected factors deviate from the true factors.

Allowing unadjusted payroll to flow through the hazardousness adjustment results in some estimation error that varies with the specifics of the classifications being limited. The estimation error will increase with the size (as measured by payroll) of the limited classifications, the share of payroll eliminated for the limited classifications, and the relative frequencies of the limited classifications. Therefore, the estimation error will be largest when a limited classification is large, high wage and high frequency.

Impacts Using Actual Data

Staff calculated the frequency change using both methods previously described. To adjust limited classification payrolls to a common level, estimated factors developed for classification ratemaking were used. Among the limited classifications, only Classification 8859 has a significant share of payroll with roughly 16% of payroll the year prior to limitation. This classification also has among the highest (27%) estimated limitation impacts.

Despite the large size and high wage level of this classification, the impact on the frequency measurement is minimal. The very small impact is in part due to the payroll change being accounted for by the hazardousness adjustment but is mainly due to the very low relative frequency for this classification. The following chart shows the difference between measured frequency changes using adjusted (orange) and unadjusted (blue) payroll for a hypothetical large high wage classification. As the relative frequency of the hypothetical classification increases, the estimation error can become very large. Classification 8859's actual frequency relativity is identified by the vertical red line.



For reference, Classification 8859 has about 100 annual indemnity claims. A classification this size would need more than 10,000 annual indemnity claims to reach a frequency relativity of 100%.

Due to the minimal impact of adjusting the payroll of the currently limited classifications, staff does not believe further adjustments in addition to the hazardousness adjustment already in the model are needed at this time. Staff plans to review this approach in the future if payroll limitations are extended to higher frequency classifications.

Item AC23-09-04
WCIRB Member Analytics Tools

The WCIRB has recently released enhancements to its AnalyticsPortal and WCIRB Inquiry® member analytics tools. A demonstration of some of the enhancements will be provided at the meeting.