State:	*Missouri*	*Filing Company:*	*NCCI Inc*
TOI/Sub-TOI:	*16.0 Workers Compensation/16.0004 Standard WC*		
Product Name:	*Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025*		
Project Name/Number:	*/*		

Filing at a Glance

Company:	NCCI Inc
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025
State:	Missouri
TOI:	16.0 Workers Compensation
Sub-TOI:	16.0004 Standard WC
Filing Type:	Rate
Date Submitted:	08/19/2024
SERFF Tr Num:	NCCI-134213520
SERFF Status:	Closed-REVIEWED
State Tr Num:	254
State Status:	REVIEWED
Co Tr Num:	MISSOURI LC 01012025
Effective Date Requested (New):	01/01/2025
Effective Date Requested (Renewal):	01/01/2025
Author(s):	Lesley O'Brien, Nancy Mattei, Tyler Santos, Andrew Scott, Mario Morales
Reviewer(s):	Patrick Lennon (primary)
Disposition Date:	11/26/2024
Disposition Status:	REVIEWED
Effective Date (New):	01/01/2025
Effective Date (Renewal):	01/01/2025

State Filing Description:

State:	*Missouri*	*Filing Company:*	*NCCI Inc*
TOI/Sub-TOI:	*16.0 Workers Compensation/16.0004 Standard WC*		
Product Name:	*Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025*		
Project Name/Number:	*/*		

General Information

Project Name:	Status of Filing in Domicile:
Project Number:	Domicile Status Comments:
Reference Organization:	Reference Number:
Reference Title:	Advisory Org. Circular:
Filing Status Changed: 11/26/2024	
State Status Changed: 11/26/2024	Deemer Date:
Created By: Nancy Mattei	Submitted By: Nancy Mattei
Corresponding Filing Tracking Number:	
State TOI: 16.0 Workers Compensation	State Sub-TOI: 16.0004 Standard WC

Filing Description:

In accordance with the applicable statutes and regulations of the state of Missouri, we are filing advisory voluntary loss costs and rating values to be effective January 1, 2025, for new and renewal policies.

Company and Contact

Filing Contact Information

David Benedict, Senior State Relations Executive   david_benedict@ncci.com

901 Peninsula Corp. Circle   561-893-3810 [Phone]

Boca Raton, FL 33487   561-893-5448 [FAX]

Filing Company Information

NCCI Inc	CoCode:	State of Domicile: Florida
901 Peninsula Corporate Circle	Group Code:	Company Type:
Boca Raton, FL 33487	Group Name:	State ID Number: 9999-8500
(561) 893-3186 ext. [Phone]	FEIN Number: 65-0439698	

Filing Fees

State Fees

Fee Required?	Yes
Fee Amount:	$150.00
Retaliatory?	No
Fee Explanation:	
Per Company:	Yes

Company	Amount	Date Processed	Transaction #
NCCI Inc	$150.00	08/19/2024 09:13 AM	293026831

EFT Total   **$150.00**

State Specific

NAIC Number: N/A

Have you reviewed the General Instructions document? (yes/no)(General Instructions updated 06/16/2017): Yes

If this is a rate filing, was rate data added on the rate/rule schedule? (yes/no): Yes

Are you paying the $150 per company per submission filing fee electronically using EFT? The utilization of SERFF and EFT for filings of papers, documents, and reports is now required, per 20 CSR 100-1.900.: Yes

State:	*Missouri*	*Filing Company:*	*NCCI Inc*
TOI/Sub-TOI:	*16.0 Workers Compensation/16.0004 Standard WC*		
Product Name:	*Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025*		
Project Name/Number:	/		

Correspondence Summary

Dispositions

Status	Created By	Created On	Date Submitted
REVIEWED	Patrick Lennon	11/26/2024	11/26/2024

Objection Letters and Response Letters

Objection Letters

Status	Created By	Created On	Date Submitted
PENDING INDUSTRY RESPONSE	Patrick Lennon	10/09/2024	10/09/2024
PENDING INDUSTRY RESPONSE	Patrick Lennon	09/04/2024	09/04/2024

Response Letters

Responded By	Created On	Date Submitted
Nancy Mattei	10/18/2024	10/18/2024
Nancy Mattei	09/27/2024	09/27/2024

Filing Notes

Subject	Note Type	Created By	Created On	Date Submitted
Actuarial Report	Reviewer Note	Patrick Lennon	11/26/2024	
Sent responses to actuary	Reviewer Note	Patrick Lennon	09/30/2024	
Sent to actuary	Reviewer Note	Patrick Lennon	08/21/2024	

SERFF Tracking #:	NCCI-134213520	State Tracking #:	254	Company Tracking #:	MISSOURI LC 01012025

State:	Missouri	Filing Company:	NCCI Inc
TOI/Sub-TOI:	16.0 Workers Compensation/16.0004 Standard WC		
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025		
Project Name/Number:	/		

Disposition

Disposition Date: 11/26/2024

Effective Date (New): 01/01/2025

Effective Date (Renewal): 01/01/2025

Status: REVIEWED

Comment: Thank you for your filing submission. At this point in time, I do not have any further questions and am concluding my review of this filing. Please note that the closure of this filing does not constitute an approval by the Department and does not mean the Department is precluded from initiating future inquiries or from taking further administrative or legal action. Ultimately, the insurance company is responsible for ensuring it is in compliance with Missouri insurance law through its administration of insurance policies and handling of claims.

Company Name:	Overall % Indicated Change:	Overall % Rate Impact:	Written Premium Change for this Program:	Number of Policy Holders Affected for this Program:	Written Premium for this Program:	Maximum % Change (where req'd):	Minimum % Change (where req'd):
NCCI Inc	%	%				%	%

Schedule	Schedule Item	Schedule Item Status	Public Access
Rate	Filing	REVIEWED	Yes
Supporting Document	Actuarial Justification	REVIEWED	Yes
Supporting Document	Electronic Rate Submission	REVIEWED	Yes
Supporting Document	Exhibits A & B (20 CSR 500-6.950)(2)	REVIEWED	Yes
Supporting Document	Filing Memorandum	REVIEWED	Yes
Supporting Document	Filing Narrative	REVIEWED	Yes
Supporting Document	Interrogatory Response	REVIEWED	Yes
Supporting Document	Interrogatory Response - 10-18-2024	REVIEWED	Yes

Objection Letter

Objection Letter Status	PENDING INDUSTRY RESPONSE
Objection Letter Date	10/09/2024
Submitted Date	10/09/2024
Respond By Date	11/08/2024

Dear David Benedict,

Introduction:

Thank you for your response to our previous inquiry. Upon review of the information provided, the following concerns remain:

Objection 1

Comments: ASSIGNED RISK EXPERIENCE FACTOR:

a The assigned risk market share for derived in Exhibit 9 shows that the market share percentage has been between 1.2% and 1.4% for the past 5 years. What would the impact be to the indication of selecting an assigned risk market share percentage of 1.3%?

b.What is the rationale for selecting an assigned risk market share percentage of 1% given that the market share does not seem to be declining further from its present level over time?

c.The experience differentials in Exhibit 9, show ratios that are much larger than 1.75 in 4 of the last 7 years. Please explain the rationale for selecting 1.75 as the experience differential given that historical ratios would suggest a higher experience differential is necessary.

d.What would be the impact of selecting the all-year average differential in Exhibit 9 rather than the judgmental selection of 1.75?

Conclusion:

Please respond to this letter by the above date. This submission will be held in suspense pending your response. Feel free to contact me at Patrick.Lennon@insurance.mo.gov or 573-751-1946 should you have any questions or concerns.

Sincerely,

Patrick Lennon

Objection Letter

Objection Letter Status	PENDING INDUSTRY RESPONSE
Objection Letter Date	09/04/2024
Submitted Date	09/04/2024
Respond By Date	10/04/2024

Dear David Benedict,

Introduction:

Missouri law (Section 374.192.1 RSMo, enacted in 2024), requires the department to give regulated entities "not less than thirty calendar days to submit any record or material requested by the department", with exception of forms submitted under section 375.920. While the requested respond by date allows thirty days to respond, for speed to market and best interest of Missouri consumers, your prompt response is encouraged and appreciated.

Objection 1

Comments: Have any of the data sources used in determining the Missouri Advisory Loss Costs and Rating Values Filing changed since the previous filing? For example, using data from a different data call to develop expenses.

Objection 2

Comments: Please provide the estimated overall impact for each change in methodology from the previous filing.

Objection 3

Comments: What is the rationale for the change from using 2-year average paid loss development factors to 3-year average paid loss development factors? What is the impact of this change?

Objection 4

Comments: Please provide the derivation of the D-ratios by hazard group.

Objection 5

Comments: Please provide loss development triangles with at least 10 diagonals for both the voluntary and assigned risk markets separated by indemnity, medical, and DCCE for the past 19 years. In the prior year, this was submitted as Exhibit 4 Development Triangles.xlsx. An updated version of this file will suffice for these purposes.

Objection 6

Comments: Has there been a study done to determine what has caused the volatility in recent paid loss development factor? Please provide the results of this study supporting this claim.

Objection 7

Comments: Please provide an Excel file with the specific calculations used to determine Appendix A-II, Section G, column (6) for the most recent year.

Objection 8

Comments: Please provide an excel file spreadsheet with the specific calculations that provide the derivation of the 0.709 factor in Appendix A-II, Section H, line 2.

Objection 9

Comments: a.What is the rationale for the addition of the Factor to Reflect Inclusion of Assigned Risk Experience?

b.What is the impact of the inclusion of this factor on voluntary loss costs and assigned risk rates?

c.Please provide the assigned risk market share for the preceding 10 years to support the use of a 1% assigned risk market

assumption.

d.Please provide loss ratios for the voluntary and assigned risk market over the preceding 10 years to demonstrate support for the claim that loss ratio experience of the assigned risk market is approximately 75% worse than that of the voluntary market, on average over time.

Objection 10

Comments: Exhibit II Sections A and B:

a) Please provide the underlying data and calculations to bring AOE and DCCE to an ultimate level including the development factors, AOE, DCCE, losses, and any other values used to determine the Ultimate AOE and DCCE ratios.

b) Please provide the Ultimate AOE Ratios for MO only data.

Objection 11

Comments: Appendix A-I Section A and Section D: Please provide the underlying data and calculations to support the factors in column (6).

Objection 12

Comments: Appendix A-IV Section I: Please show the calculations underlying the factors in Col (4) and Col (5).

Objection 13

Comments: Appendix B-I Section I: Please provide underlying data and calculations for how the Likely-to-Develop and Not-Likely-to-Develop columns are calculated.

Objection 14

Comments: Appendix B-II Section 1: Please provide more details regarding the iterative process used to determine the test correction factor.

Objection 15

Comments: Please provide the indication as of 1/1/2025 if all assigned risk experience was excluded. Please provide these calculations in an excel file and include all the underlying components that will change because they are based on only voluntary experience, such as loss development, trend, LAE, etc.

Objection 16

Comments: Please provide, in Excel format, the derivation of the test correction factors in Appendix B-II by industry group. Please include an exhibit that demonstrates that the proposed loss costs effect the desired change by industry group.

Objection 17

Comments: Provide the Missouri Class Experience Sheets (A-Sheets) for the five policy years underlying loss costs and assigned risk rates in the filing. Provide in Excel format.

Objection 18

Comments: Please provide an Excel file with seven columns of information. The first column should be the class code, the second column should be the exposures by class code, the third column should be the current advisory loss cost, the fourth column should be the proposed advisory loss cost by class code and the last three columns should be the percentage loss cost changes effective 2025, 2024, and 2023 by class code. Include totals in columns 4, 5 and 6 and please exclude discontinued classes. This file was submitted as Exhibit 18 Loss Cost Comparison.xlsx for the 2023 filing.

Objection 19

Comments: Please confirm that the indication provided in Exhibit I is an indication for the voluntary market but that the data

SERFF Tracking #: NCCI-134213520   **State Tracking #:** 254   **Company Tracking #:** MISSOURI LC 01012025

State:	Missouri
TOI/Sub-TOI:	16.0 Workers Compensation/16.0004 Standard WC
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025
Project Name/Number:	/

Filing Company: NCCI Inc

upon which it is based is on combined voluntary and assigned risk plan losses. If not, please explain. Please confirm that although the voluntary indications are based on combined voluntary and assigned risk plan data, that you are not providing loss costs or rates for the assigned risk market.

Objection 20

    Comments: Does the NCCI continue to track COVID-19 claim counts and losses subsequent to July 1, 2023?

Conclusion:

    Please respond to this letter by the above date. This submission will be held in suspense pending your response. Feel free to contact me at Patrick.Lennon@insurance.mo.gov or 573-751-1946 should you have any questions or concerns.

    Sincerely,

Patrick Lennon

State:	Missouri		Filing Company:	NCCI Inc
TOI/Sub-TOI:	16.0 Workers Compensation/16.0004 Standard WC			
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025			
Project Name/Number:	/			

Response Letter

Response Letter Status	Submitted to State
Response Letter Date	10/18/2024
Submitted Date	10/18/2024

Dear Patrick Lennon,

Introduction:

Hello,

Response 1

Comments:

Response is in the Supporting Documentation tab.

Related Objection 1

Comments: ASSIGNED RISK EXPERIENCE FACTOR:

a The assigned risk market share for derived in Exhibit 9 shows that the market share percentage has been between 1.2% and 1.4% for the past 5 years. What would the impact be to the indication of selecting an assigned risk market share percentage of 1.3%?

b.What is the rationale for selecting an assigned risk market share percentage of 1% given that the market share does not seem to be declining further from its present level over time?

c.The experience differentials in Exhibit 9, show ratios that are much larger than 1.75 in 4 of the last 7 years. Please explain the rationale for selecting 1.75 as the experience differential given that historical ratios would suggest a higher experience differential is necessary.

d.What would be the impact of selecting the all-year average differential in Exhibit 9 rather than the judgmental selection of 1.75?

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

State:	Missouri	Filing Company:	NCCI Inc
TOI/Sub-TOI:	16.0 Workers Compensation/16.0004 Standard WC		
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025		
Project Name/Number:	/		

Supporting Document Schedule Item Changes	
Satisfied - Item:	Interrogatory Response - 10-18-2024
Comments:	
Attachment(s):	NCCI_Responses_to_the_Missouri_DCI_Requests_dated_100924.pdf

Conclusion:

Thank you,

Sincerely,

Nancy Mattei

Response Letter

Response Letter Status	Submitted to State
Response Letter Date	09/27/2024
Submitted Date	09/27/2024

Dear Patrick Lennon,

Introduction:

Hello,

Response 1

Comments:

Responses are in the Supporting Documentation tab.

Related Objection 1

Comments: Have any of the data sources used in determining the Missouri Advisory Loss Costs and Rating Values Filing changed since the previous filing? For example, using data from a different data call to develop expenses.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

Supporting Document Schedule Item Changes	
Satisfied - Item:	Interrogatory Response
Comments:	
Attachment(s):	NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424.pdf NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424_Exhibits.zip

Response 2

Comments:

Responses are in the Supporting Documentation tab.

Related Objection 2

Comments: Please provide the estimated overall impact for each change in methodology from the previous filing.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

Supporting Document Schedule Item Changes	
Satisfied - Item:	Interrogatory Response
Comments:	
Attachment(s):	NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424.pdf NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424_Exhibits.zip

Response 3

Comments:
Responses are in the Supporting Documentation tab.

Related Objection 3

Comments: What is the rationale for the change from using 2-year average paid loss development factors to 3-year average paid loss development factors? What is the impact of this change?

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

Supporting Document Schedule Item Changes	
Satisfied - Item:	Interrogatory Response
Comments:	
Attachment(s):	NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424.pdf NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424_Exhibits.zip

Response 4

Comments:
Responses are in the Supporting Documentation tab.

Related Objection 4

State:	*Missouri*	*Filing Company:*	*NCCI Inc*
TOI/Sub-TOI:	*16.0 Workers Compensation/16.0004 Standard WC*		
Product Name:	*Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025*		
Project Name/Number:	*/*		

Comments: Please provide the derivation of the D-ratios by hazard group.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

Supporting Document Schedule Item Changes	
Satisfied - Item:	Interrogatory Response
Comments:	
Attachment(s):	NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424.pdf NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424_Exhibits.zip

Response 5
Comments:
Responses are in the Supporting Documentation tab.

Related Objection 5
Comments: Please provide loss development triangles with at least 10 diagonals for both the voluntary and assigned risk markets separated by indemnity, medical, and DCCE for the past 19 years. In the prior year, this was submitted as Exhibit 4 Development Triangles.xlsx. An updated version of this file will suffice for these purposes.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 6
Comments:
Responses are in the Supporting Documentation tab.

Related Objection 6
Comments: Has there been a study done to determine what has caused the volatility in recent paid loss development factor? Please provide the results of this study supporting this claim.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 7
Comments:
Responses are in the Supporting Documentation tab.

Related Objection 7
Comments: Please provide an Excel file with the specific calculations used to determine Appendix A-II, Section G, column (6) for the most recent year.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 8
Comments:
Responses are in the Supporting Documentation tab.

Related Objection 8
Comments: Please provide an excel file spreadsheet with the specific calculations that provide the derivation of the 0.709 factor in Appendix A-II, Section H, line 2.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 9
Comments:

Responses are in the Supporting Documentation tab.

Related Objection 9

Comments: a.What is the rationale for the addition of the Factor to Reflect Inclusion of Assigned Risk Experience?

b.What is the impact of the inclusion of this factor on voluntary loss costs and assigned risk rates?

c.Please provide the assigned risk market share for the preceding 10 years to support the use of a 1% assigned risk market assumption.

d.Please provide loss ratios for the voluntary and assigned risk market over the preceding 10 years to demonstrate support for the claim that loss ratio experience of the assigned risk market is approximately 75% worse than that of the voluntary market, on average over time.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 10

Comments:

Responses are in the Supporting Documentation tab.

Related Objection 10

Comments: Exhibit II Sections A and B:

a) Please provide the underlying data and calculations to bring AOE and DCCE to an ultimate level including the development factors, AOE, DCCE, losses, and any other values used to determine the Ultimate AOE and DCCE ratios.

b) Please provide the Ultimate AOE Ratios for MO only data.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

SERFF Tracking #:	NCCI-134213520	State Tracking #:	254		Company Tracking #:	MISSOURI LC 01012025

State:	Missouri		Filing Company:	NCCI Inc
TOI/Sub-TOI:	16.0 Workers Compensation/16.0004 Standard WC			
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025			
Project Name/Number:	/			

Response 11
Comments:
Responses are in the Supporting Documentation tab.

Related Objection 11
Comments: Appendix A-I Section A and Section D: Please provide the underlying data and calculations to support the factors in column (6).

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 12
Comments:
Responses are in the Supporting Documentation tab.

Related Objection 12
Comments: Appendix A-IV Section I: Please show the calculations underlying the factors in Col (4) and Col (5).

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 13
Comments:
Responses are in the Supporting Documentation tab.

Related Objection 13
Comments: Appendix B-I Section I: Please provide underlying data and calculations for how the Likely-to-Develop and Not-Likely-to-Develop columns are calculated.

Changed Items:

SERFF Tracking #:	NCCI-134213520	State Tracking #:	254		Company Tracking #:	MISSOURI LC 01012025

State:	Missouri		Filing Company:	NCCI Inc
TOI/Sub-TOI:	16.0 Workers Compensation/16.0004 Standard WC			
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025			
Project Name/Number:	/			

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 14

Comments:

Responses are in the Supporting Documentation tab.

Related Objection 14

Comments: Appendix B-II Section 1: Please provide more details regarding the iterative process used to determine the test correction factor.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 15

Comments:

Responses are in the Supporting Documentation tab.

Related Objection 15

Comments: Please provide the indication as of 1/1/2025 if all assigned risk experience was excluded. Please provide these calculations in an excel file and include all the underlying components that will change because they are based on only voluntary experience, such as loss development, trend, LAE, etc.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 16

Comments:

Responses are in the Supporting Documentation tab.

SERFF Tracking #:	NCCI-134213520	State Tracking #:	254		Company Tracking #:	MISSOURI LC 01012025

State:	Missouri		Filing Company:	NCCI Inc
TOI/Sub-TOI:	16.0 Workers Compensation/16.0004 Standard WC			
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025			
Project Name/Number:	/			

Related Objection 16

Comments: Please provide, in Excel format, the derivation of the test correction factors in Appendix B-II by industry group. Please include an exhibit that demonstrates that the proposed loss costs effect the desired change by industry group.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 17

Comments:

Responses are in the Supporting Documentation tab.

Related Objection 17

Comments: Provide the Missouri Class Experience Sheets (A-Sheets) for the five policy years underlying loss costs and assigned risk rates in the filing. Provide in Excel format.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 18

Comments:

Responses are in the Supporting Documentation tab.

Related Objection 18

Comments: Please provide an Excel file with seven columns of information. The first column should be the class code, the second column should be the exposures by class code, the third column should be the current advisory loss cost, the fourth column should be the proposed advisory loss cost by class code and the last three columns should be the percentage loss cost changes effective 2025, 2024, and 2023 by class code. Include totals in columns 4, 5 and 6 and please exclude discontinued classes. This file was submitted as Exhibit 18 Loss Cost Comparison.xlsx for the 2023 filing.

Changed Items:

SERFF Tracking #:	NCCI-134213520	State Tracking #:	254		Company Tracking #:	MISSOURI LC 01012025

State:	Missouri			Filing Company:	NCCI Inc
TOI/Sub-TOI:	16.0 Workers Compensation/16.0004 Standard WC				
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025				
Project Name/Number:	/				

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 19

Comments:

Responses are in the Supporting Documentation tab.

Related Objection 19

Comments: Please confirm that the indication provided in Exhibit I is an indication for the voluntary market but that the data upon which it is based is on combined voluntary and assigned risk plan losses. If not, please explain. Please confirm that although the voluntary indications are based on combined voluntary and assigned risk plan data, that you are not providing loss costs or rates for the assigned risk market.

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Response 20

Comments:

Responses are in the Supporting Documentation tab.

Related Objection 20

Comments: Does the NCCI continue to track COVID-19 claim counts and losses subsequent to July 1, 2023?

Changed Items:

No Form Schedule items changed.

No Rate/Rule Schedule items changed.

No Supporting Documents changed.

Conclusion:

Thank you,

Sincerely,

Nancy Mattei

Reviewer Note

Created By:

Patrick Lennon on 11/26/2024 11:03 AM

Last Edited By:

Patrick Lennon

Submitted On:

11/26/2024 11:10 AM

Subject:

Actuarial Report

Comments:

See attached.

Taylor & Mulder, Inc.

Missouri Department of Commerce and Insurance

**Actuarial Review of the
National Council on Compensation Insurance
Missouri Advisory Loss Cost and Rating Values Filing Proposed
to be Effective January 1, 2025**

NOVEMBER 2024

10508 Rivers Bend Lane,
Potomac, MD 20854

t (301) 365-4800 f (301) 365-4882
e contact@taylorandmulder.com

w taylorandmulder.com

Taylor & Mulder
Property and Casualty Consulting Actuaries

November 12, 2024

Mr. Patrick Lennon
Senior Regulatory Auditor
Property and Casualty Section
Missouri Department of Commerce & Insurance
301 W. High St., Room 530
Jefferson City, MO 65101

Dear Mr. Lennon:

Enclosed is the report detailing our actuarial review of the Missouri NCCI Advisory Loss Costs and Rating Values Filing proposed to be effective January 1, 2025.

The first section in the text of our report is the **Executive Summary** section. This section presents our **Conclusions**. It also describes the **Purpose and Scope** of our report, explains the **Distribution and Use** of our report, and provides the **Conditions and Limitations** underlying our work.

The second section of our report is a **Summary of the NCCI's Methodology** for determining the indicated voluntary loss costs and rating factors. The third section of our report contains the **Analysis Performed by Taylor & Mulder**.

The last section of the text of our report details our **Review of the NCCI's Response to Interrogatories**.

Please call if you have any questions regarding any aspect of our report.

Sincerely,

Evelyn Toni Mulder, FCAS, MAAA, FCA

Daniel W. Lupton, FCAS, MAAA, CSPA, MBA

Bobby J. Jaegers, ACAS, MAAA, CSPA, FCA

Missouri Department of Commerce and Insurance
Actuarial Review of the
National Council on Compensation Insurance
Missouri Advisory Loss Costs and Rating Values Filing

Contents

Executive Summary

Purpose and Scope

Taylor & Mulder, Incorporated ("T&M") was retained by the Missouri Department of Commerce and Insurance ("the Department") to provide an actuarial review of the Missouri Loss Costs and Rating Values Filing ("the Filing") filed by the National Council on Compensation Insurance ("NCCI") with a proposed effective date of January 1, 2025. This report contains our summary, conclusions, actuarial aspects raised with the NCCI, and a description of the analysis underlying our conclusions.

The scope of our work consisted of an actuarial review of all the components underlying the calculation of the Missouri advisory loss costs and the allocation of the overall indications to industry group and then to occupational classification. We reviewed each one of the analyses leading to the NCCI indications in order to determine (1) if the factors and the underlying calculations were justified based on the experience and actuarial soundness, (2) if the methodology and judgments were reasonable and (3) if the resulting advisory loss costs comply with Missouri law to the extent that the resulting loss costs are not excessive, inadequate or unfairly discriminatory.

We provided one set of written interrogatories to the NCCI. Our interrogatories requested additional supporting data and calculations, which were also reviewed in order to reach our conclusions. The NCCI provided T&M with all the requested supporting information and additional schedules in a timely fashion.

The responses to the objections prepared by the NCCI were very thorough and detailed and included a significant number of supporting schedules, data and information that were very helpful.

Conclusions

The NCCI is proposing an overall average decrease of 5.3% in voluntary loss costs effective January 1, 2025. The 5.3% voluntary loss cost decrease is allocated to industry groups as shown in the following table:

NCCI Proposed Average Loss Cost Level Changes by Industry Group	
Industry Group	Average Change
Manufacturing	-3.2%
Contracting	-6.2%
Office & Clerical	-6.8%
Goods & Services	-5.3%
Miscellaneous	-5.4%

T&M has reviewed the methodology, calculations, assumptions, judgments, and selections of the advisory loss costs changes effective January 1, 2025 as filed by the NCCI. T&M concludes that there are several aspects of the filing where we think that different selections are more appropriate; however, although we would have selected different assumptions in certain areas, the overall impact on the indicated loss cost change is immaterial.

Major Factors Influencing Overall Voluntary Loss Cost Level Change Indication

Although a wide variety of factors affect the overall voluntary loss cost levels, a subset of factors may be seen as having the greatest impact on the indicated loss costs:

- The filing was based on premium and loss experience from the two most recent experience periods. These periods are consistent with periods used in prior filings.

- There have been slight increases in the indemnity and medical cost ratios during the experience period. The changes in cost ratio for the indemnity and medical coverages combined indicates a slight increase in the average cost ratio in the current filing from 92.2% to 94.8%.

Projected Cost Ratio Including Benefit Changes		
Coverage	Effective 1/1/2024	Effective 1/1/2025
Indemnity Prior Policy Year	38.9%	39.8%
Indemnity Current Policy Year	38.2%	40.2%
Medical Prior Policy Year	55.0%	54.5%
Medical Current Policy Year	52.2%	55.1%
Total Prior Policy Period	93.9%	94.3%
Total Current Policy Period	90.4%	95.3%
Average	92.2%	94.8%

The prior and current policy years for the filing effective 1/1/2024 are policy years 2020 and 2021 respectively whereas the prior and current policy years for the filing effective 1/1/2025 are 2021 and 2022, respectively.

- The provision for LAE has increased from 20.3% in the prior filing effective 1/1/2024 to 21.0% for this filing, resulting in a 0.6% loss cost increase.

Indication Excluding Assigned-Risk Experience

As part of our review, we were tasked with determining the indication when the assigned-risk experience was removed. In this year's filing, NCCI developed an indication that was inclusive of

both voluntary and assigned-risk data. They then removed the effects of the assigned-risk plan to determine an indicated loss cost change for just the voluntary market.

The total indicated loss cost change on a combined basis is -5.2%. NCCI applies a factor of 0.993 to this overall indicated loss cost change to account for the having the assigned risk experience included in the indicated rate change. A factor of 0.993 was selected based on assumptions that the assigned risk premium market share is 1% and that the assigned risk Cost ratio experience is approximately 75% worse than that of the voluntary market. After removing the effects of the assigned risk market, the voluntary market indicated loss cost change is -5.9%. Finally, an adjustment is made to account for the change in loss-based expenses, yielding an overall indication of -5.3%.

Report Distribution and Use

This report has been prepared solely for internal use by the Missouri Department of Commerce and Insurance to assist the Department with its review of the NCCI filing. This report may be provided to other Missouri state agencies. The Exhibits are integral parts of this report. Other distribution or use of this report by the Department or parties described above is not authorized without the prior written permission of T&M. After approval by T&M, this report may be reproduced only in its entirety.

This report was prepared for use by persons technically competent in insurance financial matters. Persons receiving this report should be made aware of the availability of T&M personnel to answer questions and/or amplify on any matter addressed therein.

Conditions and Limitations

The actuarial review contained in this report was performed in conformance with sound actuarial standards and principles. With regard to projections of ultimate values, it should be understood that the emergence and settlement of claims are subject to uncertainty. While we have used our best professional judgment in all instances, projections of future ultimate losses and loss expenses are inherently uncertain because of the random nature of claims occurrences. They are also dependent upon future contingent events and are affected by many additional factors.

Claim reserving procedures and settlement philosophy, current and perceived social and economic inflation, current and future court and jury attitudes, improvements in medical technology, and many other economic, legal, political, and social factors all can have significant effects on ultimate claim costs. Therefore, we cannot warrant that actual developments will not differ from current projections. Such differences could be upward or downward and could be significant.

In summary, judgments regarding voluntary loss cost and assigned risk rate levels are subject to potential variations in estimation due to:

(1)   the fact that the ultimate liability of associated claims is subject to the outcome of events yet to occur,

(2)   the unanticipated changes in the legal, economic, or claims adjudication environments,

(3)   statistical fluctuation in losses around the estimated or expected values when all other factors remain constant; and,

(4)   the fact that the actual future loss and loss payment and reporting patterns may differ from those applied in the determination of the expected losses or there may be unanticipated changes in the loss and expense loss and expense reporting patterns.

Accordingly, no assurance can be given that future loss emergence will not deviate from the estimated ultimate loss and loss adjustment expenses. We performed a detailed review of the major aspects of each section of the ratemaking process. We believe our conclusions are based on a reasonable application of generally accepted actuarial procedures and techniques applied to the data and information provided by the NCCI.

T&M relied without audit or verification on historical loss, loss adjustment expense, exposure data, and other information compiled by the NCCI. T&M has relied upon the data provided and on the written statements made regarding the quality, accuracy, and completeness of the data and information supplied. Any inaccuracies or inconsistencies in the data or the written statements could have a significant effect on the conclusions drawn.

Summary of the NCCI's Methodology

The NCCI calculates proposed advisory loss cost changes by first calculating an overall proposed change in advisory loss cost level for new and renewal voluntary market policies. From this point, the overall proposed change is allocated to industry group and then to occupational classification within each industry group and ultimately to each class.

Calculation of the Overall Voluntary Advisory Loss Cost Level Change

Overall voluntary advisory loss cost level change is calculated based on both voluntary and assigned risk market data combined for the two most recent policy years.

In this filing, policy years are 2021 and 2022 are evaluated as of December 31, 2023. The indicated changes in loss and loss adjustment expenses are calculated separately for each policy year and then combined in order to obtain the overall indicated change in advisory loss costs.

The change in loss costs excluding expenses is calculated first. This calculation involves adjusting historical earned premiums to current rate levels and removing the portion expected to cover loss adjustment expenses. The limited losses are developed to ultimate loss levels, trended and then compared to the portion of the on-level premiums available for payment of such benefits (i.e., excluding added expenses and profits). This calculation is performed separately for indemnity losses and medical losses, and the resulting ratios are added together. A final ratio of 1.000 would indicate that the portion of premiums available for the payment of benefits was exactly equal to the cost of such benefits. A ratio greater than 1.000 would indicate that the cost of the benefits exceeded the premium available to pay for such, and as a result, an increase in loss costs is indicated. A ratio lower than 1.000 indicates that a decrease in loss costs is indicated.

The specific steps involved in calculation of this ratio are as follows:
1. Standard earned premiums for each policy year are developed to ultimate and multiplied by an on-level factor. This factor includes placing the premium on level to reflect approved loss cost and rate level changes as well as statutory benefit levels for all years in the

experience period. The factor also removes premium related to loss-based expenses because the purpose is to derive loss costs, which exclude expenses.

2. Ultimate limited medical and indemnity losses are multiplied by an on-level factor to obtain on-level ultimate limited medical and indemnity losses separately for both medical and indemnity.

3. The results are divided by the on-level ultimate standard earned premium to produce the loss cost.

4. The resulting loss cost ratio is next multiplied by trend factors which are calculated based on an exponential trend of indemnity and medical cost ratios for Policy Years 2008 to 2022 (See Appendix A-III). The following chart shows current approved and selected annual cost ratio trend factors for medical and indemnity:

Annual Trend Factors		
	Indemnity	**Medical**
Current Approved Annual Cost Ratio Trend Factor	0.975	0.975
Selected Annual Cost Ratio Trend Factor	0.965	0.970

The selected trend factor is then applied based on the length of the trend period calculated from the midpoint of each policy year to the midpoint of the effective period. For policy years 2021 and 2022, this is 4.001 and 3.001 years, respectively. So, for example, the indemnity trend factor for policy year 2022 is calculated as $0.965^{3.001} = 0.899$.

5. The trended loss cost ratio is then multiplied by a factor for the adjustment of limited losses to unlimited. Losses are initially limited to exclude large losses that may increase the volatility of loss cost change experience from year to year. A factor is then used to add back a provision for such large losses as a way of spreading such risk over a longer timeframe to achieve greater stability in loss costs. A threshold for large losses is selected

based on a projection of losses at the midpoint of the loss cost effective period. The threshold for this filing is $9,599,292 and it was determined that 1.2% of the statewide losses are expected to exceed this threshold. Therefore, a factor of 1.012 is multiplied by the ultimate cost ratio to adjust losses from a limited to an unlimited basis.

6. Finally, the unlimited trended loss cost ratio is multiplied by a factor representing proposed changes in both medical and indemnity benefits. The results for medical and indemnity are summed to obtain the indicated change in loss costs excluding expenses.

The indicated ratios are calculated separately for Policy Years 2021 and 2022 and then averaged to determine the indicated change in total loss costs on Exhibit I. The following table shows the results of these calculations:

Indicated Loss Cost Level Change by Policy Year		
Term	**Factor**	**Percent Change**
Policy Year 2022	0.953	-4.7%
Policy Year 2021	0.943	-5.7%
Indicated Change	0.948	-5.2%

The indicated rate change factor of 0.948 is then adjusted by a factor of 0.993 to reflect the fact that assigned risk experience is included in the indicated loss cost calculation. NCCI assumes that 1% of the data is from the assigned risk market and that the assigned risk policies have experience that is 75% worse than the voluntary market. After removing the assigned risk data, the indicated change factor is 0.941, or -5.9%.

Finally, a provision is made for changes in loss-based expenses. Loss-based expenses are made up of two components: defense and cost containment expenses ("DCCE") and adjusting and other expenses ("AOE"). For the DCCE expenses, the NCCI calculates the developed ratio of expenses

to losses for policy years 2018 to 2022 based on Missouri data. From these indications, a statewide average is selected. An AOE provision is selected by analyzing the AOE expense ratio for accident years 2018 to 2022 countrywide. A provision of 9.8% was selected for the countrywide provision and, after credibility weighting with Missouri data, an AOE provision of 10.6% was selected for the Missouri provision. The adjusted selected DCCE ratio and the selected AOE ratio are summed to obtain the Missouri selected loss adjustment expense ("LAE") ratio. This ratio is compared to the prior year ratio to obtain a proposed change in LAE provision.

The following table shows the results of these calculations:

Indicated LAE Provision Change	
Current Missouri LAE Provision	20.3%
Proposed Missouri LAE Provision	21.0%
Indicated Change Factor	1.006

The calculated 1.006 factor is equal to (1 + 21.0%) / (1 + 20.3%). This 1.006 factor is applied to the previously calculated average loss cost factor of 0.941 to obtain the overall indicated loss-cost level change reflecting the change in loss-based expenses of $1.006 \times 0.941 = 0.947$, or -5.3% on Exhibit I.

Allocation of Overall to Industry Group

Each of the five industry groups has unique experience over the five-year experience period. Because the overall loss cost level change of -5.3% represents the aggregated experience of all industry groups, it will only be accurate on average, i.e. for some industry groups the change of -5.3% will be inadequate, whereas for some it will be excessive. For this reason, the -5.3% must be allocated to the five industry groups to determine the relative change for each group. This is done

by applying industry group differentials to the overall loss cost level change factor to obtain indicated loss cost level change factors by industry group.

Industry group differentials are calculated based on the ratio of the prior five years' actual losses to the prior five years' expected losses. Actual losses are trended, brought to current levels, developed to ultimate, and include adjustments for wage trend and the off-balance factor (which is the ratio of standard premium to manual premium). Expected losses are based on underlying pure premiums multiplied by associated payrolls (in hundreds) and are adjusted for off-balance. Indicated ratios are normalized, adjusted for wage trend, credibility weighted, and re-normalized before being applied to the overall loss cost level change to obtain final level changes by industry group.

The following table from Exhibit I shows the results of this calculation:

	Indicated Industry Group Loss Cost Level Change		
	(1)	**(2)**	**(3) = (1) x (2)**
	Overall	**Industry**	**Final Loss Cost**
	Loss Cost	**Group**	**Level Change**
Industry Group	**Level Change**	**Differential**	**by Industry Group**
Manufacturing	0.947	1.022	0.968
Contracting	0.947	0.991	0.938
Office & Clerical	0.947	0.984	0.932
Goods & Services	0.947	1.000	0.947
Miscellaneous	0.947	0.999	0.946
Overall	0.947	1.000	0.947

Allocation to Occupational Classifications

To allocate the overall rate change to individual occupational classifications, the allocated rate change level factor by industry group is applied to occupational classifications using a three-way credibility weighting approach to obtain proposed advisory loss costs by class code.

For each occupational classification, three pure premiums are credibility weighted together:

1. Indicated Pure Premium
2. Pure Premium Indicated by National Relativity
3. Pure Premium Present on Rate Level

Weighting all of the pure premiums together results in the adjusted loss costs. The adjusted loss costs are limited to swing limits, and loaded for disease, catastrophe, and/or miscellaneous additional costs. The result is the final loaded loss cost.

Analysis Performed by Taylor & Mulder

Our review of the filing consisted an evaluation of the methodologies and assumptions underlying the determination of the indicated loss cost change. T&M reviewed all aspects of the filing, applying particular scrutiny and testing to the assumptions and selections that were used in the loss development method, trend determinations, and loss adjustment expense provisions.

Loss Development Method

When developing losses to an ultimate level, NCCI chose to use a loss development factor that was equal to the three-year average of the link ratios for the paid loss development method. They used a five-year average of the link ratios for the paid plus case loss development method. In our

tests, we did not use a single prescribed average for a particular cohort of claims. For example, for the first to second loss development factor for the medical paid loss development method, we could select the three-year average of the link ratios in that period whereas for the next development period, the second to third year, we could select a different average, such as the five-year average. When making these selections, we considered trends in the link ratios as well as the stability of the link ratios over time with the goal of maximizing both stability and responsiveness. Since the NCCI used a single prescribed average without actuarial judgment, there are some cases where our selections were not equal to the NCCI selections.

After selecting loss development factors for the paid and paid plus case losses for medical and indemnity coverages, the cumulative loss development factors were applied to losses to bring them to an ultimate level. Although these newly calculated ultimate losses did not differ materially from the ultimate losses derived from the method used by NCCI, the net result was to lower the indication.

Trend

The next step in the ratemaking process that we tested was the trend factors that are used to bring losses and premiums to the projected level. In our tests, we reviewed how the premium, frequency, and severity for each year have changed from one policy period to the next over different time periods. Our review primarily focused on the selection of the frequency and severity trends. Our

analysis consisted of fitting an exponential curve to the frequency and severity then selecting the trend provision that maximized the average R-squared value[1] across all selections.

As can be seen from the following chart, the frequency is consistently decreasing, with minimal volatility beginning in policy year 2010. We have selected a frequency trend of -3.1%, which coincides with an exponential fit of the data from policy year 2010 to 2022.

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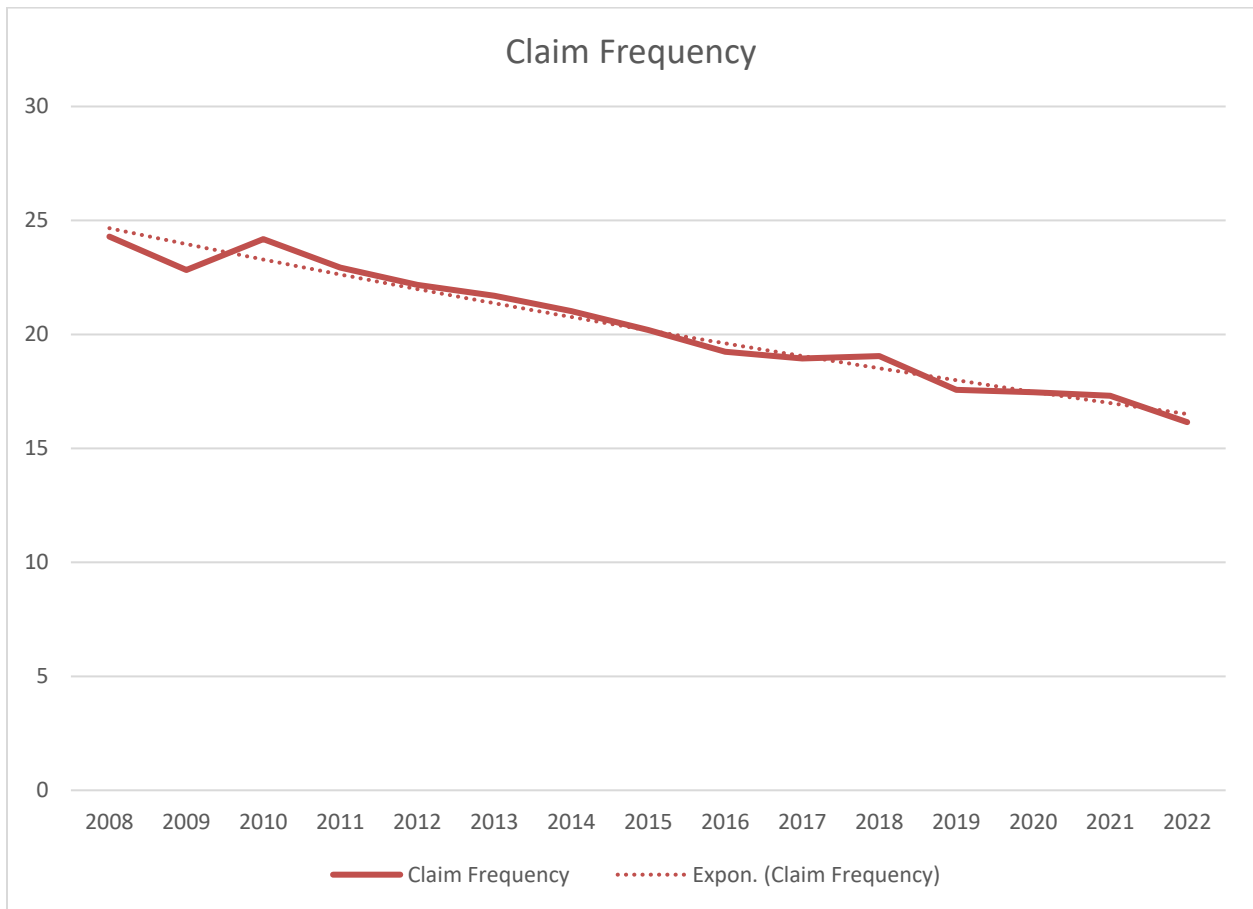
[1] The R^2 value is known as the "coefficient of determination" and is a measure of the proportion of the variance that is explained by the prediction. A higher R^2 value is indicative of a model that "fits" the data better. Mathematically, the R^2 value is defined as one minus the ratio of the sum of the squared error (between the model and the dependent variable) and the variance in the dependent variable. An R-squared value close to 1.0 would indicate a strong fit whereas a value close to 0 would suggest the model is not fitting well to the data.

After selecting the frequency trend provision, we then analyzed the indemnity and medical severity trends. It is important to note that the loss development factors discussed in the prior section will have a direct effect on the severities, since ultimate losses are divided by the number of claims to calculate the ultimate severities.

The chart below shows the impact of our loss development factor selections on ultimate severities. Additionally, it shows how the ultimate indemnity severity changes from year to year. As can be seen from the chart, our loss development factor selections generated ultimate severities that were very similar to those calculated based on the NCCI's loss development factors (i.e., the solid red (NCCI) and solid blue (T&M) lines are very close for each policy year.) The dotted blue line shows the fitted severity trend based on our selection. We selected an indemnity severity trend provision of -0.9%. This trend reflects a consistent moderate decrease in indemnity severity over time.

Indemnity Severity
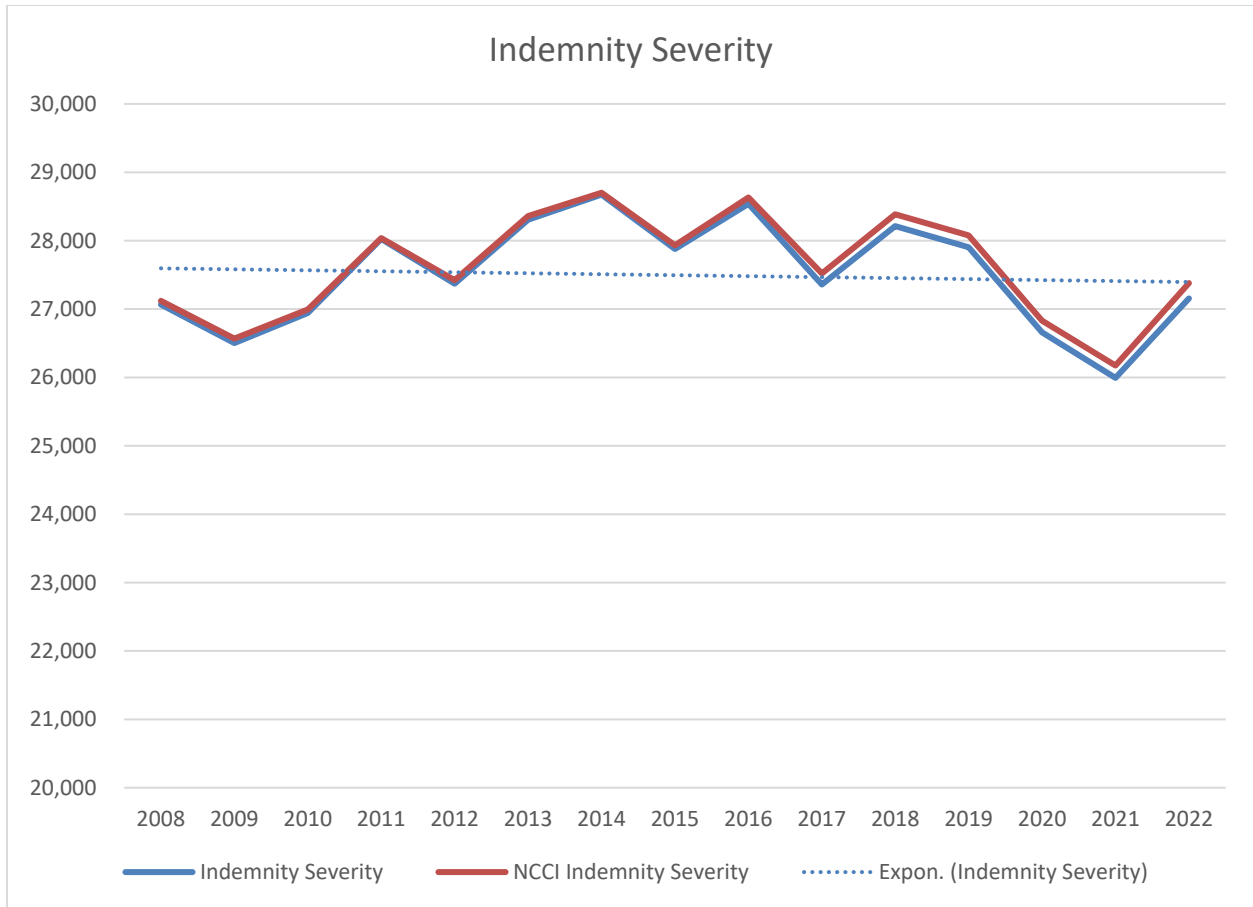
The medical trend procedure is similar to that of the indemnity trend procedure. We calculated the ultimate severities, and then analyzed them over time. Medical severities have been steadily increasing over time. Similar to the indemnity severity chart above, Taylor & Mulder's loss development factor selections generated similar medical severities to NCCI's selections. The dotted blue line shows the line of best fit. We selected the trend provision balancing the highest R-squared value with the longest time period, resulting in a medical severity trend of 0.5%. The following chart shows the medical severities over time. The dotted blue line shows the fitted medical severity trend based on our selection.

Medical Severity
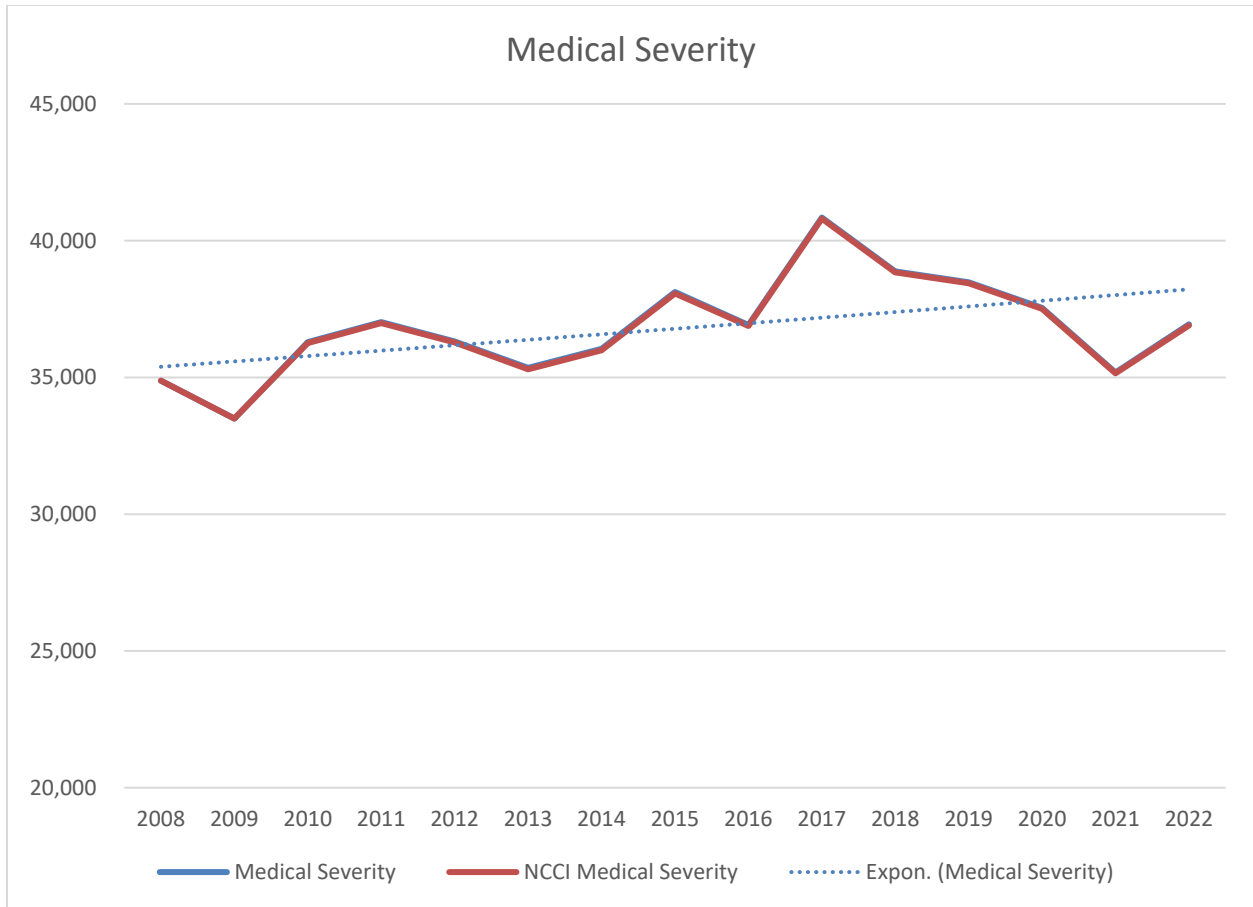
In order to compare our trend selections with those of NCCI, we multiplied the frequency and severity trend factors together to determine a net trend. This yields a net indemnity trend of -3.9% (= (1 − 0.031) * (1 - 0.009)), which is slightly lower than the NCCI net indemnity trend selection of -3.5%. Repeating this same calculation for the net medical trend results in a net trend of -2.5% (= (1 − 0.031) * (1 - 0.025)), which is less than the NCCI medical net trend of -3.0%.

Loss Adjustment Expenses

NCCI used a five-year average of the ultimate paid DCCE to paid losses ratio to determine the DCCE provision to be applied to losses. Their selection of 10.4% for the DCCE provision appears reasonable.

To determine the AOE provision, NCCI uses a weighted average of countrywide AOE paid divided by paid losses and State specific AOE paid divided by paid losses. NCCI applies a weight of 78.4% to the countrywide AOE ratio and a weight of 21.6% to the Missouri AOE to paid loss provision to calculate an AOE provision of 10.4%. These weights reflect the respective shares of ultimate projected losses.

The DCCE and AOE provisions are added together to determine a proposed LAE ratio of 21.0% which is 0.6% higher than the prior year's LAE provision of 20.3%. To account for this, NCCI applies a factor of 1.006 to the indicated rate changed based on experience, trend, and benefits. The selections and methods used to determine this provision appear reasonable.

Review of the NCCI's Response to Interrogatories

The scope of our work includes (1) a review of the Filing and (2) a review of the answers, attachments and supporting documentation provided in response to the T&M interrogatories. During the course of our review, we were provided with additional information, supporting data and calculations underlying certain portions of the filing that were not included within the filing. Therefore, our conclusions are based on the totality of the information we received from the NCCI.

This section contains a review of the responses provided by NCCI to the objections issued on August 30, 2024.

Question 1: DATA

NCCI has confirmed that there have been no changes to the underlying data used in this filing when compared to the previous filing.

Question 2: METHODOLOGY

NCCI confirmed that there have been no changes to the methodology used in this filing when compared to the previous filing.

Question 3: LOSS DEVELOPMENT FACTORS

With this filing, NCCI is using the 3-year average paid loss development factors instead of the 2-years that were used in previous filings. Using 3-years ensures that NCCI does not over-react to more recent experience.

Question 4: D-RATIOS

NCCI provided Exhibit 4 which shows the calculation of the D-Ratios by hazard group.

Question 5: LOSS DEVELOPMENT FACTORS

NCCI provided loss development triangles with 10 years of loss development factors for indemnity and medical coverages as well as DCCE. Paid and Paid + Case triangles were provided for both the medical and indemnity coverages. We used this data to evaluate trends and make selections of loss development factors by period to test NCCI's selections.

Question 6: LOSS DEVELOPMENT FACTORS

NCCI explained that through their data validation process they were not able to identify any carriers that caused increased volatility in loss development factors. The rationale for selecting 3-year loss development factors instead of 2-years was based on actuarial judgement.

Question 7: LOSS DEVELOPMENT FACTORS

It was requested that NCCI provide detailed calculations of how the factor to adjust losses for prior policy years was determined in Appendix A-II Section G column 6. A spreadsheet showing how this was calculated was provided. T&M reviewed the calculations and determined that the calculation and methodology are appropriate.

Question 8: LOSS DEVELOPMENT FACTORS

We requested support for the factor to adjust the 19th-to-ultimate development factor to a limited basis since this information was not provided in the filing as seen in Appendix-II Section H line 2. This calculation was provided as a response to this interrogatory. NCCI uses a countrywide unlimited loss development factor and the expected percentage of losses about the large loss threshold to determine the countrywide limited tail factor. The countrywide limited tail factor minus one is then divided by the countrywide unlimited tail factor minus one to determine the factor to adjust the tail factor to a limited basis. After reviewing the calculations and supporting documentation, this calculation appears reasonable.

Question 9: ASSIGNED RISK PLAN

In this filing, NCCI is using a new factor that adjusts the loss cost level to reflect the fact that the assigned risk plan experience is included in the voluntary risk experience. To segment out the

assigned risk data from the voluntary data, NCCI developed a factor that removes that backs out the assigned risk plan data. This factor decreases the voluntary loss costs by 0.7%.

The factor for the assigned risk plan consists of two components; the assigned risk plan market share and the relative cost ratio for the assigned risk plan to the voluntary market. We requested support for each of these components and NCCI provided Exhibit 9 in support of each of these factors.

Question 10: AOE AND DCCE RATIOS

T&M requested detailed calculations and data supporting the AOE and DCCE analysis in Exhibit II Sections A and B. In response, NCCI provided spreadsheets and exhibits showing how these calculations were performed. After reviewing these exhibits, it was determined the method used by NCCI is the same as the process they had used in the prior year and the method and selections appear reasonable.

Question 11: POLICY YEAR ON-LEVEL FACTORS

NCCI provided the underlying calculations for the Adjustment for Expense Removal in Appendix A-1 Section A and Section D column (6). This calculation is reasonable.

Question 12: INDUSTRY GROUP DIFFERENTIALS

This question asks for the calculations underlying the factors in the determination of the industry group factors in Appendix A-IV, Section I, Columns (4) and (5). NCCI provided these calculations in Exhibit 12 of their response. Taylor & Mulder reviewed these calculations, and they appear reasonable.

Question 13: LIMITED LOSS DEVELOPMENT FACTORS

T&M asked for the underlying data and calculations of the limited loss development factors in Appendix B-1 Section 1. NCCI provided the requested information as Exhibit 13. We reviewed this exhibit and determined that the method and assumptions appear reasonable.

Question 14: LIMITED LOSS DEVELOPMENT FACTORS

We asked for more details regarding the iterative process to determine the loss costs by industry group. NCCI explained that an iterative approach had to be used to ensure that the new pure premiums will be equal to the target pure premium.

Question 15: VOLUTNARY MARKET INDICATION

T&M asked for the indication if all assigned risk were excluded. They stated that a strictly voluntary indication was not available, but they did state that after removing assigned risk premium and losses and removing the factor to reflect the inclusion of assigned risk experience, the indication would be -5.3%. Details regarding this calculation can be found in Exhibit 15.

Question 16: TEST CORRECTION FACTOR

NCCI provided Exhibit 16 to demonstrate that the test correction factor achieve the target loss costs by industry group. T&M reviewed these calculations and determined that they were reasonable.

Question 16: CLASSIFICATION

We requested the Missouri Class Experience Sheets (A-Sheets) for the five policy years underlying the loss costs and assigned risk rates in this filing. NCCI provided this data as Exhibit 17.

Question 17: CLASSIFICATION

T&M requested information pertaining to the loss cost changes and payrolls by class code. NCCI provided an excel spreadsheet with this information in Exhibit 18 in the responses to the objections. We evaluated the data and calculated several statistics based on the history of rate changes, including:

1. Coefficient of Variation of Loss Costs from loss costs that are effective from January 1, 2020 to January 1, 2025.

2. Absolute Percent Change in loss costs from changes effective from January 1, 2020 to January 1, 2025 (i.e., the total amount of rate change over time. For example, if a class code had a 10% increase and a 10% decrease, the absolute change would be 21% $(= (1+|.1|) \times (1+|-.1|) - 1) = ((1.1 \times 1.1) - 1.0))$.

3. Total "Swing" (i.e. the maximum change minus the minimum change in loss costs from loss cost changes effective from January 1, 2020 to January 1, 2025).

Appendix B displays loss costs and changes in loss costs by individual class codes. The data is sorted in three ways; (1) by dollar amount of payroll written in each class, (2) by absolute change percent of changes effective from January 1, 2020 to January 1, 2025 and (3) by swing. We searched for class codes that had particularly high payrolls and unusual or unstable loss cost change history, which would indicate potential issues with the classification rate making algorithm. We also reviewed the class codes with the largest amount of change and the widest swings in rate change history to see if similar stability issues could be detected.

The NCCI implemented a new classification ratemaking methodology effective January 1, 2019. If we look at the classification information sorted by payroll, we observe that the smaller classes appear to have a slightly higher coefficient of variation in rate changes from 2020 to 2025 than the higher payroll classes. For instance, classifications with greater than $1 million in payroll in 2023 have a coefficient of variation of 0.120 on average, while classifications with less than $1 million in payroll have a coefficient of variation of 0.129.

Question 19: VOLUNTARY MARKET AND ASSIGNED RISK PLANS

NCCI confirmed that the voluntary market advisory loss cost level indication determined in the filing's Exhibit I is based on combined voluntary and assigned risk premium and loss experience reported to NCCI. NCCI's role in Missouri does not include the filing of loss costs or rates for the state's assigned risk market.

Question 20: COVID-19

Beginning July 1, 2023, NCCI no longer keeps track of claims arising from COVID-19 through the NCCI's financial calls. They will still track claims though the Unit Statistical Plan and the Indemnity Data Call.

This section contains a review of the responses provided by NCCI to the objections issued on October 9, 2024.

Question 1: ASSIGNED RISK MARKET SHARE

We noted that in Exhibit 9 that the market share for the assigned risk plan has been between 1.2% and 1.4% however, NCCI selected a provision of 1.0%. NCCI stated that selecting a provision of 1.3% would have caused the indicated voluntary loss cost change to be -5.5%.

Question 2: ASSIGNED RISK MARKET SHARE

T&M asked NCCI why they selected the lower market share for the assigned risk plan. NCCI explained that selecting a higher assigned risk market share would cause lower voluntary loss costs during periods of assigned risk market growth. NCCI does not want to put downward pressure on the voluntary loss costs just because of higher assigned risk market share.

Question 3: ASSIGNED RISK EXPERIENCE DIFFERENTIAL

Support for the experience differential was provided in Exhibit 9. It was observed that the experience ratio was much larger than the selected provision of 1.75 in four of the last seven years. We asked NCCI to support the selected provision of 1.75 to which NCCI explained that they selected a factor that was closer to the median than the average due to the volatility apparent in the experience ratio of the assigned risk experience. This rationale is reasonable.

Question 4: ASSIGNED RISK EXPERIENCE DIFFERENTIAL

T&M asked what the impact would be if NCCI selected the all-year average differential instead of the differential of 1.75. They explained that if they were to use a market share of 1.3% and a differential of 2.224 the voluntary loss cost level change would be -6.1%.

Taylor & Mulder Analysis Exhibits

Determination of Loss Cost Level Change

		Policy Year	
Premium		**2022**	**2021**
(1)	Standard Earned Premium Developed to Ultimate	699,403,228	699,191,746
(2)	Premium On-level Factor	0.72	0.665
(3)	Pure Premium Available for Benefit Costs = (1) x (2)	503,570,324	464,962,511
Indemnity Benefit Cost:			
(4)	Limited Indemnity Losses Developed to Ultimate	200,782,578	210,710,994
(5)	Indemnity Loss On-level Factor	1.000	1.000
(6)	Adjusted Limited Indemnity Losses = (4) x (5)	200,782,578	210,710,994
(7)	Adjusted Limited Indemnity Cost Ratio excluding Trend and Benefits = (6) / (3)	0.399	0.453
(8)	Factor to Reflect Indemnity Trend	0.886	0.851
(9)	Projected Limited Indemnity Cost Ratio = (7) x (8)	0.354	0.386
(10)	Factor to Adjust Indemnity Cost Ratio to an Unlimited Basis	1.012	1.012
(11)	Projected Indemnity Cost Ratio = (9) x (10)	0.358	0.391
(12)	Factor to Reflect Proposed Changes in Indemnity Benefits	1.000	1.000
(13)	Projected Indemnity Cost Ratio including Benefit Changes = (11) x (12)	0.358	0.391
NCCI Indemnity Benefit Cost		0.402	0.398
Medical Benefit Cost:			
(14)	Limited Medical Losses Developed to Ultimate	300,103,021	282,976,964
(15)	Medical Loss On-level Factor	1.000	1.000
(16)	Adjusted Limited Medical Losses = (14) x (15)	300,103,021	282,976,964
(17)	Adjusted Limited Medical Cost Ratio excluding Trend and Benefits = (16) / (3)	0.596	0.609
(18)	Factor to Reflect Medical Trend	0.926	0.902
(19)	Projected Limited Medical Cost Ratio = (17) x (18)	0.552	0.549
(20)	Factor to Adjust Medical Cost Ratio to an Unlimited Basis	1.012	1.012
(21)	Projected Medical Cost Ratio = (19) x (20)	0.559	0.556
(22)	Factor to Reflect Proposed Changes in Medical Benefits	1.000	1.000
(23)	Projected Medical Cost Ratio including Benefit Changes = (21) x (22)	0.559	0.556
NCCI Medical Benefit Cost		0.551	0.545
Total Benefit Cost:			
(24)	Indicated Change Based on Experience, Trend, and Benefits = (13) + (23)	0.917	0.947
NCCI Indicated Change Based on Experience, Trend, and Benefits		0.953	0.943

Total Indicated Change

(25)	PY 2022 Indicated Change Based on Experience, Trend and Benefits	0.917
(26)	PY 2021 Indicated Change Based on Experience, Trend and Benefits	0.947
(27)	Indicated Change Based on Experience, Trend, and Benefits = Average of (25) and (26)	0.932
(28)	Factor to Reflect the Inclusion of Assigned Risk Experience	0.993
(29)	Indicated Change Modified to Reflect the Inclusion of Assigned Risk Experience (27) * (28)	0.925
(30)	Effect of Change in Loss-Based Expenses	1.006
(31)	Indicated Change Modified to Reflect the Change in Loss-Based Expenses = (27) * (28)	0.931
NCCI Indicated Change Modified to Reflect the Change in Loss-Based Expenses		0.947

Missouri Department of Commerce and Insurance   Exhibit II
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Determination of Change in LAE Provision

Missouri Provisions	Current	Proposed
(1) AOE	10.2%	10.6%
(2) DCCE	10.1%	10.4%
(3) Total LAE = (1) + (2)	20.3%	21.0%

(4) Proposed Change in MO LAE Provision   1.006
 = [1 + (3 Proposed)] / [1 + (3 Current)]

Accident Year	CW Ult AOE Ratio
2018	9.6%
2019	10.2%
2020	9.9%
2021	9.7%
2022	9.9%

T&M CW Selected	9.8%
NCCI CW Selected	9.8%
T&M MO Selected	10.6%
NCCI MO Selected	10.6%

(5) Policy Year	(6) Reported Ratio of Paid DCCE to Paid Losses	(7) Age to Ult Development Factor	(8) = (6) * (7) Ultimate DCCE Ratio
2018	10.4%	0.976	10.2%
2019	10.3%	0.983	10.1%
2020	10.3%	0.998	10.3%
2021	10.4%	1.020	10.6%
2022	9.8%	1.099	10.8%
		T&M Selected	10.4%
		NCCI Selected	10.4%

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				T&M			T&M		
Policy	Claim	Fitted		Indemnity	Fitted		Medical	Fitted	
Year	Frequency	Trend	R²	Severity	Trend	R²	Severity	Trend	R²
2008	24.291	-2.8%	96.9%	27,067	-0.1%	0.6%	34,881	0.6%	25.1%
2009	22.828	-2.9%	96.5%	26,503	-0.1%	2.7%	33,495	0.5%	18.6%
2010	24.181	-3.1%	98.2%	26,941	-0.3%	15.4%	36,292	0.3%	5.7%
2011	22.931	-3.0%	97.9%	28,025	-0.5%	35.5%	37,021	0.2%	3.2%
2012	22.173	-3.0%	97.3%	27,370	-0.6%	37.0%	36,314	0.2%	3.1%
2013	21.696	-3.0%	96.5%	28,307	-0.8%	58.7%	35,349	0.1%	0.8%
2014	21.019	-2.9%	95.2%	28,674	-0.9%	58.7%	36,043	-0.3%	3.0%
2015	20.196	-2.8%	93.2%	27,879	-0.9%	48.5%	38,124	-0.9%	23.2%
2016	19.236	-2.8%	89.8%	28,539	-1.1%	52.6%	36,916	-1.2%	29.3%
2017	18.945	-3.1%	88.8%	27,359	-0.9%	34.5%	40,844	-2.3%	76.5%
2018	19.052	-3.4%	86.4%	28,214	-1.5%	48.9%	38,876	-1.9%	59.1%
2019	17.568	-2.6%	74.4%	27,903	-1.1%	21.3%	38,479	-1.9%	40.9%
2020	17.464	-3.8%	83.3%	26,658	0.9%	17.7%	37,545	-0.8%	5.7%
2021	17.312	-6.7%	100.0%	25,994	4.5%	100.0%	35,182	5.0%	100.0%
2022	16.151			27,154			36,943		

(11) T&M Selected	-3.1%				-0.9%			0.6%
(12) T&M Net Trend					-3.9%			-2.5%
(13) Current NCCI Net Trend					-0.4%			0.1%
(14) Selected NCCI Net Trend					-3.5%			-3.0%

(15)	(16)	(17)	(18)
Policy		Indemnity	Medical
Year	Years	Trend Factor	Trend Factor
2021	4.001	0.8512	0.9023
2022	3.001	0.8862	0.9258

Notes: (12) = [1.0 + (11 Frequency Trend)] × [1.0 + (11 Severity Trend)] - 1.0
            (17) and (18) = [1.0 + (12)] ^ (16)

Indemnity Ultimate Losses

(1)	(2)	(3)	(4)	(5) = 1 - (3)	(6) = (2) * (3) + (4) * (5)
	Paid On-Level	Paid Ult Loss	Paid + Case On-Level	Paid + Case Ult Loss	Selected On-Level
Policy Year	Ult. Losses	Weight	Ult. Losses	Weight	Ult. Losses
2021	197,666,633	50%	199,793,131	50%	198,729,882
2022	194,454,658	50%	207,110,498	50%	200,782,578

Medical Ultimate Losses

(1)	(2)	(3)	(4)	(5) = 1 - (3)	(6) = (2) * (3) + (4) * (5)
	Paid On-Level	Paid Ult Loss	Paid + Case On-Level	Paid + Case Ult Loss	Selected On-Level
Policy Year	Ult. Losses	Weight	Ult. Losses	Weight	Ult. Losses
2021	272,285,876	50%	263,294,036	50%	267,789,956
2022	273,507,504	50%	279,536,681	50%	276,522,092

Policy Year	Losses	Ultimate Development Factor	Ultimate Losses
2008	175,272,624	1.054	184,737,346
2009	174,731,209	1.059	185,040,350
2010	199,502,693	1.064	212,270,865
2011	183,250,397	1.070	196,077,925
2012	164,811,930	1.076	177,337,637
2013	182,860,647	1.084	198,220,941
2014	184,106,596	1.095	201,596,723
2015	171,945,395	1.111	191,031,334
2016	171,844,519	1.141	196,074,596
2017	170,870,752	1.175	200,773,134
2018	164,518,302	1.242	204,331,731
2019	155,116,819	1.345	208,632,122
2020	136,538,641	1.532	209,177,198
2021	100,185,825	1.973	197,666,633
2022	54,499,624	3.568	194,454,658

Indemnity Limited Statewide Paid Loss Development through @12/22

PY	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19
1995																		1.002
1996																	1.004	1.002
1997																1.002	1.002	1.004
1998															1.004	1.005	1.004	1.007
1999														1.007	1.001	1.007	1.002	1.002
2000													1.006	1.006	1.004	1.003	1.004	1.001
2001												1.004	1.012	1.003	1.004	1.004	1.003	1.006
2002											1.008	1.007	1.003	1.004	1.003	1.004	1.002	1.002
2003										1.005	1.006	1.005	1.007	1.007	1.005	1.002	1.005	1.002
2004									1.014	1.014	1.007	1.006	1.012	1.005	1.005	1.004	1.004	1.006
2005								1.012	1.014	1.009	1.009	1.006	1.004	1.004	1.003	1.004	1.003	
2006							1.026	1.016	1.009	1.008	1.010	1.005	1.012	1.003	1.005	1.007		
2007						1.036	1.018	1.016	1.021	1.013	1.006	1.006	1.006	1.007	1.005			
2008					1.047	1.041	1.019	1.019	1.019	1.009	1.006	1.009	1.004	1.005				
2009				1.091	1.059	1.026	1.023	1.017	1.012	1.006	1.006	1.002	1.003					
2010			1.152	1.092	1.051	1.033	1.020	1.016	1.016	1.006	1.010	1.004						
2011		1.295	1.161	1.092	1.060	1.045	1.023	1.013	1.009	1.005	1.005							
2012	1.801	1.308	1.155	1.086	1.052	1.031	1.028	1.015	1.007	1.008								
2013	1.747	1.328	1.182	1.073	1.040	1.022	1.024	1.015	1.009									
2014	1.869	1.267	1.118	1.074	1.061	1.026	1.035	1.016										
2015	1.807	1.281	1.145	1.086	1.047	1.026	1.025											
2016	1.781	1.291	1.133	1.066	1.057	1.043												
2017	1.813	1.263	1.114	1.085	1.057													
2018	1.736	1.284	1.138	1.080														
2019	1.771	1.276	1.139															
2020	1.784	1.300																
2021	1.833																	

	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	Tail
2 Yr Avg	1.809	1.288	1.139	1.083	1.057	1.035	1.030	1.016	1.008	1.007	1.008	1.003	1.004	1.006	1.005	1.006	1.004	1.004	
3 Yr Avg	1.796	1.287	1.130	1.077	1.054	1.032	1.028	1.015	1.008	1.006	1.007	1.005	1.004	1.005	1.004	1.005	1.004	1.003	
5 Yr Avg	1.787	1.283	1.134	1.078	1.052	1.030	1.027	1.015	1.011	1.007	1.007	1.005	1.006	1.005	1.005	1.004	1.003	1.003	
5 Yr Avg (Ex. Hi Lo)	1.789	1.284	1.137	1.080	1.054	1.028	1.026	1.015	1.010	1.007	1.006	1.005	1.005	1.005	1.005	1.004	1.003	1.003	
5 Yr Median	1.784	1.284	1.138	1.080	1.057	1.026	1.025	1.015	1.009	1.006	1.006	1.005	1.004	1.005	1.005	1.004	1.003	1.002	
7 Yr Avg	1.789	1.280	1.138	1.079	1.053	1.032	1.025	1.016	1.013	1.008	1.007	1.005	1.007	1.005	1.004	1.004	1.003	1.004	
All Yr Avg	1.794	1.289	1.144	1.083	1.053	1.033	1.024	1.016	1.013	1.008	1.007	1.005	1.007	1.005	1.004	1.004	1.003	1.003	
NCCI Selected	1.809	1.288	1.139	1.083	1.057	1.035	1.030	1.016	1.008	1.007	1.008	1.003	1.004	1.006	1.005	1.006	1.004	1.004	1.039
NCCI Cumulative	3.609	1.995	1.549	1.360	1.256	1.188	1.148	1.115	1.097	1.088	1.080	1.071	1.068	1.064	1.058	1.053	1.047	1.043	1.039
T&M Selected	1.809	1.288	1.139	1.083	1.057	1.030	1.027	1.015	1.011	1.007	1.006	1.005	1.005	1.005	1.004	1.004	1.004	1.003	1.039
T&M Cumulative	3.568	1.973	1.532	1.345	1.242	1.175	1.141	1.111	1.095	1.084	1.076	1.070	1.064	1.059	1.054	1.050	1.046	1.042	1.039

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Indemnity Paid + Case Loss Development

Policy Year	Losses	Ultimate Development Factor	Ultimate Losses
2008	179,756,406	1.014	182,272,996
2009	198,950,113	1.016	202,133,315
2010	220,882,644	1.019	225,079,414
2011	232,456,428	1.019	236,873,100
2012	225,498,511	1.018	229,557,484
2013	200,835,736	1.020	204,852,451
2014	183,496,440	1.024	187,900,355
2015	165,007,399	1.024	168,967,577
2016	141,633,259	1.028	145,598,990
2017	148,254,038	1.039	154,035,945
2018	154,914,525	1.054	163,279,909
2019	182,906,839	1.080	197,539,386
2020	195,440,205	1.124	219,674,790
2021	167,190,905	1.195	199,793,131
2022	152,399,189	1.359	207,110,498

Indemnity Limited Statewide Paid+Case Loss Development through @12/22

PY	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19
1995																		1.001
1996																	1.000	1.002
1997																0.998	1.004	1.004
1998															0.999	1.003	1.002	1.000
1999														0.999	1.001	1.001	1.001	1.003
2000													1.001	1.001	1.000	1.000	0.996	1.001
2001												1.001	1.002	0.999	1.001	1.000	0.999	1.002
2002											0.995	0.999	1.003	0.999	1.002	1.001	1.001	1.000
2003										1.000	1.001	1.008	0.998	1.004	1.001	1.004	1.004	1.000
2004									1.008	1.003	1.000	1.011	1.006	1.002	1.002	1.000	1.001	1.002
2005								1.000	1.006	0.996	1.005	1.004	1.002	1.002	1.006	0.999	0.998	
2006							1.010	1.002	1.002	0.998	1.002	1.010	0.999	1.002	1.004			
2007						1.001	1.007	1.014	1.012	1.002	1.002	1.002	1.000	1.005	1.002			
2008					1.028	1.013	1.010	1.008	1.002	1.002	1.000	0.998	1.005	1.001				
2009				1.041	1.005	1.002	1.013	1.001	1.004	0.999	0.998	0.998	0.999					
2010			1.043	1.029	1.015	1.014	1.005	1.000	0.995	1.002	0.997	1.001						
2011		1.050	1.072	1.033	1.017	1.004	1.002	0.997	1.005	1.004	0.999							
2012	1.136	1.078	1.039	1.018	1.011	1.009	1.004	1.003	1.003	1.004								
2013	1.128	1.089	1.074	1.040	1.002	1.012	1.008	0.997	1.004									
2014	1.135	1.054	1.027	1.028	1.024	1.028	1.002	1.000										
2015	1.123	1.063	1.034	1.021	1.023	1.011	1.004											
2016	1.141	1.063	1.059	1.025	1.014	1.002												
2017	1.127	1.075	1.033	1.035	1.011													
2018	1.133	1.062	1.027	1.022														
2019	1.161	1.054	1.054															
2020	1.098	1.073																
2021	1.166																	

	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	Tail
2 Yr Avg	1.132	1.064	1.041	1.029	1.013	1.007	1.003	0.999	1.004	1.004	0.998	1.000	1.002	1.003	1.002	1.002	1.000	1.001	
3 Yr Avg	1.142	1.063	1.038	1.027	1.016	1.014	1.005	1.000	1.004	1.003	0.998	0.999	1.001	1.002	1.003	1.001	1.001	1.001	
5 Yr Avg	1.137	1.065	1.041	1.026	1.015	1.012	1.004	0.999	1.002	1.002	0.999	1.000	1.003	1.002	1.003	1.002	1.001	1.001	
5 Yr Avg (Ex. Hi Lo)	1.140	1.066	1.040	1.025	1.016	1.011	1.003	0.999	1.004	1.003	0.999	1.000	1.002	1.002	1.002	1.002	1.000	1.001	
5 Yr Median	1.133	1.063	1.034	1.025	1.014	1.011	1.004	1.000	1.004	1.002	0.999	1.001	1.002	1.002	1.002	1.001	1.001	1.001	
7 Yr Avg	1.136	1.063	1.044	1.027	1.015	1.011	1.005	1.001	1.004	1.002	1.000	1.002	1.003	1.002	1.002	1.001	1.000	1.001	
All Yr Avg	1.135	1.066	1.046	1.029	1.015	1.010	1.007	1.002	1.004	1.001	1.000	1.002	1.003	1.001	1.002	1.001	1.001	1.002	Tail
NCCI Selected	1.137	1.065	1.041	1.026	1.015	1.012	1.004	0.999	1.002	1.002	0.999	1.000	1.003	1.002	1.003	1.002	1.001	1.001	1.008
NCCI Cumulative	1.362	1.198	1.125	1.081	1.054	1.038	1.026	1.022	1.023	1.021	1.019	1.020	1.020	1.017	1.015	1.012	1.010	1.009	1.008
T&M Selected	1.137	1.063	1.041	1.025	1.015	1.011	1.004	1.000	1.004	1.002	1.000	1.000	1.003	1.002	1.002	1.002	1.001	1.001	1.008
T&M Cumulative	1.359	1.195	1.124	1.080	1.054	1.039	1.028	1.024	1.024	1.020	1.018	1.019	1.019	1.016	1.014	1.012	1.010	1.009	1.008

Policy Year	Losses	Ultimate Development Factor	Ultimate Losses
2008	212,183,616	1.058	224,490,266
2009	222,130,869	1.061	235,680,852
2010	244,128,698	1.065	259,997,063
2011	238,049,872	1.067	253,999,213
2012	211,200,734	1.070	225,984,785
2013	250,938,649	1.073	269,257,170
2014	248,623,294	1.078	268,015,911
2015	233,684,224	1.086	253,781,067
2016	224,894,120	1.095	246,259,061
2017	231,063,706	1.104	255,094,331
2018	242,881,235	1.118	271,541,221
2019	238,002,558	1.137	270,608,908
2020	257,561,357	1.162	299,286,297
2021	221,011,263	1.232	272,285,876
2022	182,216,858	1.501	273,507,504

Medical Limited Statewide Paid Loss Development through @12/20

PY	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19
1995																		1.003
1996																	1.003	1.001
1997																1.005	1.003	1.007
1998															1.003	1.001	1.001	1.002
1999														1.002	1.002	1.008	1.001	1.001
2000													1.004	1.017	1.001	1.002	1.003	1.001
2001												1.004	1.003	1.004	1.005	1.003	1.003	1.003
2002											1.005	1.005	1.007	1.004	1.003	1.011	1.004	1.004
2003										1.005	1.005	1.004	1.002	1.004	1.002	1.004	1.005	1.003
2004									1.012	1.009	1.004	1.004	1.004	1.005	1.004	1.003	1.003	1.003
2005								1.006	1.006	1.005	1.004	1.005	1.004	1.004	1.004	1.004	1.003	
2006							1.012	1.007	1.004	1.003	1.005	1.003	1.005	1.002	1.002	1.004		
2007						1.011	1.009	1.004	1.004	1.005	1.003	1.001	1.002	1.001	1.002			
2008					1.022	1.019	1.012	1.004	1.012	1.005	1.004	1.004	1.004	1.004				
2009				1.017	1.013	1.010	1.005	1.006	1.003	1.001	1.001	1.000	1.000					
2010			1.036	1.016	1.012	1.007	1.008	1.007	1.009	1.003	1.002	1.003						
2011		1.058	1.036	1.020	1.018	1.014	1.009	1.008	1.003	1.001	1.003							
2012	1.226	1.066	1.030	1.017	1.016	1.009	1.017	1.006	1.004	1.002								
2013	1.219	1.064	1.027	1.016	1.005	1.007	1.008	1.005	1.005									
2014	1.241	1.061	1.023	1.015	1.018	1.010	1.009	1.009										
2015	1.238	1.057	1.036	1.024	1.013	1.009	1.008											
2016	1.206	1.059	1.021	1.011	1.007	1.007												
2017	1.213	1.055	1.025	1.019	1.018													
2018	1.191	1.047	1.019	1.014														
2019	1.202	1.056	1.025															
2020	1.215	1.063																
2021	1.221																	

	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	Tail
2 Yr Avg	1.218	1.060	1.022	1.017	1.013	1.008	1.009	1.007	1.005	1.002	1.003	1.002	1.002	1.003	1.002	1.004	1.003	1.003	
3 Yr Avg	1.213	1.055	1.023	1.015	1.013	1.009	1.008	1.007	1.004	1.002	1.002	1.002	1.002	1.002	1.003	1.004	1.004	1.003	
5 Yr Avg	1.208	1.056	1.025	1.017	1.012	1.008	1.010	1.007	1.005	1.002	1.003	1.002	1.003	1.003	1.003	1.005	1.004	1.003	
5 Yr Avg (Ex. Hi Lo)	1.210	1.057	1.024	1.016	1.013	1.008	1.009	1.007	1.004	1.002	1.003	1.002	1.003	1.003	1.003	1.004	1.003	1.003	
5 Yr Median	1.213	1.056	1.025	1.015	1.013	1.009	1.009	1.007	1.004	1.002	1.003	1.003	1.004	1.004	1.002	1.004	1.003	1.003	
7 Yr Avg	1.212	1.057	1.025	1.017	1.014	1.009	1.009	1.006	1.006	1.003	1.003	1.003	1.003	1.003	1.003	1.004	1.003	1.002	
All Yr Avg	1.217	1.059	1.028	1.017	1.014	1.010	1.010	1.006	1.006	1.004	1.004	1.003	1.004	1.005	1.003	1.005	1.003	1.003	
NCCI Selected	1.218	1.060	1.022	1.017	1.013	1.008	1.009	1.007	1.005	1.002	1.003	1.002	1.002	1.003	1.002	1.004	1.003	1.003	1.046
NCCI Cumulative	1.498	1.230	1.160	1.135	1.116	1.102	1.093	1.083	1.075	1.070	1.068	1.065	1.063	1.061	1.058	1.056	1.052	1.049	1.046
T&M Selected	1.218	1.060	1.022	1.017	1.013	1.008	1.008	1.007	1.005	1.002	1.003	1.002	1.003	1.003	1.002	1.004	1.003	1.003	1.046
T&M Cumulative	1.501	1.232	1.162	1.137	1.118	1.104	1.095	1.086	1.078	1.073	1.070	1.067	1.065	1.061	1.058	1.056	1.052	1.049	1.046

Policy Year	Losses	Ultimate Development Factor	Ultimate Losses
2008	140,700,501	1.017	143,092,410
2009	152,395,769	1.015	154,681,706
2010	169,069,844	1.015	171,605,892
2011	186,527,540	1.014	189,138,926
2012	191,692,398	1.014	194,376,092
2013	166,012,660	1.011	167,838,799
2014	170,212,510	1.011	172,084,848
2015	152,705,754	1.008	153,927,400
2016	134,631,701	1.010	135,978,018
2017	128,910,066	1.010	130,199,167
2018	153,272,672	1.007	154,345,581
2019	156,640,785	1.007	157,737,270
2020	177,106,284	1.014	179,585,772
2021	260,945,526	1.009	263,294,036
2022	270,606,661	1.033	279,536,681

Medical Limited Statewide Paid+Case Loss Development through @12/20

PY	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19
1995																		1.001
1996																	1.001	1.002
1997																0.999	1.005	0.995
1998															1.008	1.004	1.000	1.000
1999														1.000	1.000	1.004	0.999	0.999
2000													1.003	0.997	0.997	1.000	1.001	1.003
2001												1.002	0.999	1.003	0.993	1.000	0.996	1.002
2002											0.999	1.005	1.003	1.003	1.001	1.002	1.011	1.004
2003										1.004	0.999	0.999	1.009	1.001	1.002	1.001	1.004	
2004									1.005	0.997	1.001	1.005	0.994	0.997	0.997	1.000	0.997	0.998
2005								1.001	1.021	0.997	1.007	1.002	1.000	0.999	0.989	1.000	0.998	
2006							1.005	0.998	1.001	1.006	1.001	1.003	1.005	1.001	1.002	1.003		
2007						0.998	1.003	1.004	1.002	0.996	1.001	0.999	0.998	0.998	1.000			
2008					1.010	1.007	1.003	1.007	0.990	0.984	1.001	0.998	1.001	0.997				
2009				1.003	0.998	1.007	1.007	0.996	0.997	0.989	0.999	0.998	1.000					
2010			0.993	0.993	1.010	1.001	1.001	0.998	1.003	1.000	1.001	0.996						
2011		0.993	0.975	0.993	1.023	0.993	1.006	0.993	0.999	0.999	0.993							
2012	1.032	1.005	1.004	0.996	0.987	0.995	1.003	0.998	1.002	0.996								
2013	1.013	0.993	1.000	1.000	0.981	1.004	1.020	0.994	0.998									
2014	1.034	0.993	0.995	1.008	1.004	1.007	0.998	1.004										
2015	1.035	1.005	1.008	1.002	1.015	0.999	0.993											
2016	1.007	0.971	1.003	1.004	0.995	0.993												
2017	1.027	0.994	1.014	1.000	0.990													
2018	1.002	0.989	0.997	0.984														
2019	1.044	1.016	1.013															
2020	1.007	0.993																
2021	1.038																	

	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	Tail
2 Yr Avg	1.023	1.005	1.005	0.992	0.993	0.996	0.996	0.999	1.000	0.998	0.997	0.997	1.001	0.998	1.001	1.002	0.998	1.001	
3 Yr Avg	1.030	0.999	1.008	0.996	1.000	1.000	1.004	0.999	1.000	0.998	0.998	0.997	1.000	0.999	0.997	1.001	0.999	1.002	
5 Yr Avg	1.024	0.993	1.007	1.000	0.997	1.000	1.004	0.997	1.000	0.994	0.999	0.999	1.001	0.998	0.998	1.001	1.001	1.002	
5 Yr Avg (Ex. Hi Lo)	1.024	0.992	1.008	1.002	0.996	0.999	1.002	0.997	1.000	0.995	1.000	0.998	1.000	0.998	0.999	1.001	0.999	1.003	
5 Yr Median	1.027	0.993	1.008	1.002	0.995	0.999	1.003	0.998	0.999	0.996	1.001	0.998	1.000	0.998	1.000	1.002	0.998	1.003	
7 Yr Avg	1.023	0.994	1.004	0.999	0.999	0.999	1.004	0.999	0.999	0.996	1.000	1.000	1.000	1.001	0.998	1.001	1.000	1.001	
All Yr Avg	1.024	0.995	1.000	0.998	1.001	1.000	1.004	0.999	1.002	0.997	1.000	1.001	1.000	1.000	0.999	1.001	1.001	1.001	Tail
NCCI Selected	1.024	0.993	1.007	1.000	0.997	1.000	1.004	0.997	1.000	0.994	0.999	0.999	1.001	0.998	0.998	1.001	1.001	1.002	1.014
NCCI Cumulative	1.029	1.005	1.012	1.005	1.005	1.008	1.008	1.004	1.007	1.007	1.013	1.014	1.015	1.014	1.016	1.018	1.017	1.016	1.014
T&M Selected	1.024	0.995	1.007	1.000	0.997	1.000	1.002	0.997	1.000	0.997	1.000	0.999	1.000	0.998	0.999	1.001	1.001	1.002	1.014
T&M Cumulative	1.033	1.009	1.014	1.007	1.007	1.010	1.010	1.008	1.011	1.011	1.014	1.014	1.015	1.015	1.017	1.018	1.017	1.016	1.014

Appendix A - NCCI Responses to Objections including Exhibits

NATIONAL COUNCIL ON COMPENSATION INSURANCE, INC.

MISSOURI
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1. **Have any of the data sources used in determining the Missouri Advisory Loss Costs and Rating Values Filing changed since the previous filing? For example, using data from a different data call to develop expenses.**

   There have not been any changes in the underlying data sources between this and last year's filings.

2. **Please provide the estimated overall impact for each change in methodology from the previous filing.**

   The only methodology change included in this filing is the introduction of the Factor to Reflect the Inclusion of Assigned Risk Experience. As shown in the filing, its impact on the indication is −0.7%.

3. **What is the rationale for the change from using 2-year average paid loss development factors to 3-year average paid loss development factors? What is the impact of this change?**

   The rationale for the change is included in the Loss Development section of Appendix A-II of the filing (pages 51–52). In addition, Missouri's indication is responsive to recent changes in experience by utilizing a two-Policy Year experience period. Using a three-year average for the paid development factors adds stability compared to a two-year average. Instead of having 50% of the experience period and 50% of development factors (for the paid methodology) drop off with each filing, which is a highly responsive methodology, we are opting for a slightly more stable approach (i.e., balancing stability and responsiveness).

   The impact of the change from a two-year average to a three-year average of paid loss development factors is −1.0%. That is, the indication would be a point higher had two-year average development factors for paid loss development been employed.

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4. **Please provide the derivation of the D-ratios by hazard group.**

Please find the requested information enclosed as Exhibit 4. Note that a monotonicity smoother is applied after a D-ratio is calculated for each hazard group in column (6) to ensure they decrease from hazard group A to G. However, this resulted in no changes to the ratios between what is displayed in column (6) and the final D-ratios for the 1/1/2025 Missouri filing.

5. **Please provide loss development triangles with at least 10 diagonals for both the voluntary and assigned risk markets separated by indemnity, medical, and DCCE for the past 19 years. In the prior year, this was submitted as Exhibit 4 Development Triangles.xlsx. An updated version of this file will suffice for these purposes.**

Please see the attached Exhibit 5 for the available loss development triangles.

6. **Has there been a study done to determine what has caused the volatility in recent paid loss development factor? Please provide the results of this study supporting this claim.**

NCCI's standard comprehensive data validation identified no particular carrier as causing the recent volatility observed in the indemnity paid development factors. The decision to increase the length of the development average from two to three factors was based on actuarial judgement and the rationale provided in the Loss Development section of the filing's Appendix A-II (pages 51–52).

7. **Please provide an Excel file with the specific calculations used to determine Appendix A-II, Section G, column (6) for the most recent year.**

Please see the attached Exhibit 7 for the requested information. The calculations are provided for indemnity and medical.

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8. **Please provide an excel file spreadsheet with the specific calculations that provide the derivation of the 0.709 factor in Appendix A-II, Section H, line 2.**

   Please see the attached Exhibit 8 for the requested information.

9. **a. What is the rationale for the addition of the Factor to Reflect Inclusion of Assigned Risk Experience?**

   Assigned risk premium and loss experience is included into the calculation of the voluntary loss costs. The premium associated with assigned risk policies is reported to NCCI at the NCCI voluntary loss cost level. Without applying the Factor to Reflect the Inclusion of Assigned Risk Experience, the resulting loss cost change would better reflect the average risk in Missouri rather than the average risk written in Missouri's voluntary market. This year, NCCI decided to implement the Factor to Reflect the Inclusion of Assigned Risk Experience to promote greater equity in the voluntary loss costs. Additionally, explicitly recognizing the impact of the assigned risk market is conceptually consistent with NCCI's methodology in a majority of NCCI states where assigned risk market experience is considered in ratemaking.

   b. What is the impact of the inclusion of this factor on voluntary loss costs and assigned risk rates?

   The impact on the voluntary loss cost level change is −0.7%. NCCI does not calculate or file assigned risk rates for Missouri.

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c. Please provide the assigned risk market share for the preceding 10 years to support the use of a 1% assigned risk market assumption.

Please see the attached Exhibit 9 for the requested information. Rather than establishing voluntary loss costs that assume all risks will be written at the NCCI loss cost level, the Factor to Reflect the Inclusion of Assigned Risk Experience is intended to recognize that there will inevitably be some minimum proportion of employers who obtain coverage in the assigned risk market each year. The market share selection considered the observed history across a 10-year period in which the assigned risk market share ranges from 1.2% to 2.5%, with more recent years on the lower end of this range. The selection of 1% recognizes the apparent asymptotic behavior of the market share in recent years and is intended to remain appropriate for some time.

d. Please provide loss ratios for the voluntary and assigned risk market over the preceding 10 years to demonstrate support for the claim that loss ratio experience of the assigned risk market is approximately 75% worse than that of the voluntary market, on average over time.

Please see the attached Exhibit 9 for the requested information. The selection of 75% (1.75) as the differential between assigned risk and voluntary loss experience considered the observed history across a 10-year period in which the assigned risk-to-voluntary loss ratio differential ranged from 1.395 to 3.833 on an unlimited and undeveloped paid plus case loss basis. The observed differential is prone to volatility, especially considering the relatively modest assigned risk market share. The selection of 1.75 for the differential also considered the assigned risk administrator's latest assigned risk rate filing. As with the market share, the differential selection is intended to remain appropriate for some time.

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10. Exhibit II Sections A and B:

a. **Please provide the underlying data and calculations to bring AOE and DCCE to an ultimate level including the development factors, AOE, DCCE, losses, and any other values used to determine the Ultimate AOE and DCCE ratios.**

   Please see the attached Exhibit 10a – Countrywide AOE and Exhibit 10b – DCCE for the requested information.

b. **Please provide the Ultimate AOE Ratios for MO only data.**

   Unlike with DCCE, NCCI does not have the data required to calculate a Missouri-only AOE ratio. The data source for NCCI's AOE analysis, Financial Call #19, is reported to NCCI on a countrywide basis. Therefore, state-specific AOE data is not available. A "Missouri-only" AOE ratio can only be calculated for Missouri Employers Mutual (MEM) because the carrier does not currently write business in any other state. Note that the approach to calculating the Missouri AOE provision remains the same as that of the previous year's filing. The Missouri AOE provision is based on a weighted average of the countrywide private carrier AOE provision (Exhibit 10a) and the indicated provision for MEM. Please see the attached Exhibit 10c for the indicated AOE provision for MEM and the calculation of the weightings applied to each provision to derive the calculated overall Missouri AOE provision.

11. Appendix A-I Section A and Section D: Please provide the underlying data and calculations to support the factors in column (6).

   In addition to adjusting historical policy year experience to the current loss cost and benefit levels, the calculations in Appendix A-I also bring premium to a pure loss level. This is necessary because DSR Premium is reported to NCCI at the voluntary loss cost level, which includes the Loss Adjustment Expense (LAE) provision in Missouri. After the application of the factor in column (5), premium will have been brought to the current (1/1/24) loss cost level. The factor shown in column (6) then removes the current loss adjustment expense provision. This factor is calculated as 1 / 1.203 = 0.831, where 1.203 is 1 plus the current loss adjustment expense provision of 20.3% (effective 1/1/24).

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12. Appendix A-IV Section I: Please show the calculations underlying the factors in Col (4) and Col (5)

Column (4) shows the current manual premium to standard premium ratios that were calculated using the latest five years of WCSP data underlying the 1/1/2024 Missouri filing. Column (5) shows the proposed manual premium to standard premium ratios calculated using the latest five years of WCSP data underlying the 1/1/2025 Missouri filing. Standard premium is calculated as the reported manual premium multiplied by the reported experience modification factor. Please see Exhibit 12 for the calculation of these factors.

13. Appendix B-I Section I: Please provide underlying data and calculations for how the Likely-to-Develop and Not-Likely-to-Develop columns are calculated.

Please find the requested information enclosed as Exhibit 13.

14. Appendix B-II Section 1: Please provide more details regarding the iterative process used to determine the test correction factor.

Test correction factors (TCFs) adjust the loss costs by industry group to ensure that the actual new pure premium level is equivalent to the targeted pure premium level. The reviewed rate level by industry group is the product of the proposed pure premium level and the industry group differentials. The determination of the TCFs by industry group is an iterative process, with a maximum of 16 iterations. At each iteration, the ratio of the reviewed rate level to the premium level change implied by the TCF is taken. The TCF which results in the ratio with the minimal distance to unity is selected.

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15. Please provide the indication as of 1/1/2025 if all assigned risk experience was excluded. Please provide these calculations in an excel file and include all the underlying components that will change because they are based on only voluntary experience, such as loss development, trend, LAE, etc.

A strictly voluntary indication is not available. After excluding assigned risk losses and premium from the experience period and removing the Factor to Reflect the Inclusion of Assigned Risk Experience, the resulting indication is −5.3%, which happens to be unchanged from the indication that includes assigned risk experience and the corresponding factor. For more details, please refer to the attached Exhibit 15.

16. Please provide, in Excel format, the derivation of the test correction factors in Appendix B-II by industry group. Please include an exhibit that demonstrates that the proposed loss costs effect the desired change by industry group.

Please see the attached Exhibit 16 for the requested information.

17. Provide the Missouri Class Experience Sheets (A-Sheets) for the five policy years underlying loss costs and assigned risk rates in the filing. Provide in Excel format.

Please see the attached Exhibit 17 for the requested information.

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18. **Please provide an Excel file with seven columns of information. The first column should be the class code, the second column should be the exposures by class code, the third column should be the current advisory loss cost, the fourth column should be the proposed advisory loss cost by class code and the last three columns should be the percentage loss cost changes effective 2025, 2024, and 2023 by class code. Include totals in columns 4, 5 and 6 and please exclude discontinued classes. This file was submitted as Exhibit 18 Loss Cost Comparison.xlsx for the 2023 filing.**

   Please find the requested information enclosed as Exhibit 18. The exposure reflects the most recent policy period used in the Missouri 1/1/2025 filing. The prior year changes exclude class codes that are discontinued as of 1/1/2025.

19. **Please confirm that the indication provided in Exhibit I is an indication for the voluntary market but that the data upon which it is based is on combined voluntary and assigned risk plan losses. If not, please explain. Please confirm that although the voluntary indications are based on combined voluntary and assigned risk plan data, that you are not providing loss costs or rates for the assigned risk market.**

   Yes, the indication provided in Exhibit I of the filing is intended and appropriate for the voluntary market. To take advantage of a broader base of experience and limit the underwriting cycle's influence on NCCI's ratemaking, the data used to derive this indication includes both voluntary market and assigned risk plan experience. With the introduction of the Factor to Reflect the Inclusion of Assigned Risk Experience in this filing, the indication has been adjusted to contemplate the contribution of an expected level of assigned risk plan experience, which promotes improved equity in the voluntary loss costs. Additionally, NCCI does not calculate or file assigned risk loss costs or rates for Missouri.

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20. Does the NCCI continue to track COVID-19 claim counts and losses subsequent to July 1, 2023?

After July 1, 2023, COVID-19 claims will not be separately identified in NCCI's Financial Calls. However, NCCI will continue to track COVID-19 claim counts and losses through two other data streams – the Unit Statistical Plan and the Indemnity Data Call (IDC). COVID-19 claims reported via these data sources will be assigned an identifying nature of injury and cause of injury code. This will allow NCCI to continue to track all COVID-19 claims going forward regardless of accident date or claim size.

Missouri 1/1/2025 Filing
Exhibit 4

Three Reports (1st-3rd)

Hazard Group	Injury Group	(1) Limited Total Loss	(2) Primary	(3) Limited Indemnity	(4) Limited Medical	(5) = (2)x(4)/(1) Estimated Medical Primary	Injury Group	(6) D-Ratio		(7) Loss Distribution	
A	Lost-Time	115,486,115	52,589,147	44,066,706	71,419,409	32,522,401	Indemnity	0.455	<=(2) / (1)	0.355	<=(3) / Tot(1)
	Medical Only	8,513,194	8,133,408	-	8,513,194	8,133,408	Medical	0.509	<=Tot(5) / Tot(4)	0.645	<=Tot(4) /Tot(1)
	Total	**123,999,309**	**60,722,555**	**44,066,706**	**79,932,603**	**40,655,809**		**0.49**		**1.00**	
B	Lost-Time	149,668,776	62,356,254	57,090,783	92,577,993	38,570,616	Indemnity	0.417	<=(2) / (1)	0.364	<=(3) / Tot(1)
	Medical Only	7,365,451	7,158,440	-	7,365,451	7,158,440	Medical	0.458	<=Tot(5) / Tot(4)	0.636	<=Tot(4) /Tot(1)
	Total	**157,034,227**	**69,514,694**	**57,090,783**	**99,943,444**	**45,729,056**		**0.44**		**1.00**	
C	Lost-Time	442,465,230	182,727,883	184,486,703	257,978,527	106,539,151	Indemnity	0.413	<=(2) / (1)	0.401	<=(3) / Tot(1)
	Medical Only	17,334,080	16,521,666	-	17,334,080	16,521,666	Medical	0.447	<=Tot(5) / Tot(4)	0.599	<=Tot(4) /Tot(1)
	Total	**459,799,310**	**199,249,549**	**184,486,703**	**275,312,607**	**123,060,817**		**0.43**		**1.00**	
D	Lost-Time	284,255,795	110,491,693	119,533,600	164,722,195	64,028,366	Indemnity	0.389	<=(2) / (1)	0.409	<=(3) / Tot(1)
	Medical Only	8,114,817	7,833,560	-	8,114,817	7,833,560	Medical	0.416	<=Tot(5) / Tot(4)	0.591	<=Tot(4) /Tot(1)
	Total	**292,370,612**	**118,325,253**	**119,533,600**	**172,837,012**	**71,861,926**		**0.40**		**1.00**	
E	Lost-Time	284,265,242	99,385,051	122,991,622	161,273,620	56,384,618	Indemnity	0.350	<=(2) / (1)	0.423	<=(3) / Tot(1)
	Medical Only	6,765,925	6,499,209	-	6,765,925	6,499,209	Medical	0.374	<=Tot(5) / Tot(4)	0.577	<=Tot(4) /Tot(1)
	Total	**291,031,167**	**105,884,260**	**122,991,622**	**168,039,545**	**62,883,827**		**0.36**		**1.00**	
F	Lost-Time	341,257,714	111,185,217	158,682,548	182,575,166	59,484,837	Indemnity	0.326	<=(2) / (1)	0.458	<=(3) / Tot(1)
	Medical Only	5,128,146	4,905,633	-	5,128,146	4,905,633	Medical	0.343	<=Tot(5) / Tot(4)	0.542	<=Tot(4) /Tot(1)
	Total	**346,385,860**	**116,090,850**	**158,682,548**	**187,703,312**	**64,390,470**		**0.34**		**1.00**	
G	Lost-Time	139,804,475	43,281,422	60,225,949	79,578,526	24,636,348	Indemnity	0.310	<=(2) / (1)	0.424	<=(3) / Tot(1)
	Medical Only	2,095,400	1,904,569	-	2,095,400	1,904,569	Medical	0.325	<=Tot(5) / Tot(4)	0.576	<=Tot(4) /Tot(1)
	Total	**141,899,875**	**45,185,991**	**60,225,949**	**81,673,926**	**26,540,917**		**0.32**		**1.00**	

Missouri **Exhibit 5a**
Policy Year—Private Carrier + State Fund—Limited Statewide—Indemnity Paid Loss Development

PY	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19
1995																		1.002
1996																	1.004	1.002
1997																1.002	1.002	1.004
1998															1.004	1.005	1.004	1.007
1999														1.007	1.001	1.007	1.002	1.002
2000													1.006	1.006	1.004	1.003	1.004	1.001
2001												1.004	1.012	1.003	1.004	1.004	1.003	1.006
2002											1.008	1.007	1.003	1.004	1.003	1.004	1.002	1.002
2003										1.005	1.006	1.005	1.007	1.007	1.005	1.002	1.005	1.002
2004									1.014	1.014	1.007	1.006	1.012	1.005	1.005	1.004	1.004	1.006
2005								1.012	1.014	1.009	1.009	1.006	1.004	1.004	1.003	1.004	1.003	
2006							1.026	1.016	1.009	1.008	1.010	1.005	1.012	1.003	1.005	1.007		
2007						1.036	1.018	1.016	1.021	1.013	1.006	1.006	1.006	1.007	1.005			
2008					1.047	1.041	1.019	1.019	1.019	1.009	1.006	1.009	1.004	1.005				
2009				1.091	1.059	1.026	1.023	1.017	1.012	1.006	1.006	1.002	1.003					
2010			1.152	1.092	1.051	1.033	1.020	1.016	1.016	1.006	1.010	1.004						
2011		1.295	1.161	1.092	1.060	1.045	1.023	1.013	1.009	1.005	1.005							
2012	1.801	1.308	1.155	1.086	1.052	1.031	1.028	1.015	1.007	1.008								
2013	1.747	1.328	1.182	1.073	1.040	1.022	1.024	1.015	1.009									
2014	1.869	1.267	1.118	1.074	1.061	1.026	1.035	1.016										
2015	1.807	1.281	1.145	1.086	1.047	1.026	1.025											
2016	1.781	1.291	1.133	1.066	1.057	1.043												
2017	1.813	1.263	1.114	1.085	1.057													
2018	1.736	1.284	1.138	1.080														
2019	1.771	1.276	1.139															
2020	1.784	1.300																
2021	1.833																	

Policy Year—Private Carrier + State Fund—Limited Statewide—Indemnity Paid+Case Loss Development

PY	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19
1995																		1.001
1996																	1.000	1.002
1997																0.998	1.004	1.004
1998															0.999	1.003	1.002	1.000
1999														0.999	1.001	1.001	1.001	1.003
2000													1.001	1.001	1.000	1.000	0.996	1.001
2001												1.001	1.002	0.999	1.001	1.000	0.999	1.002
2002											0.995	0.999	1.003	0.999	1.002	1.001	1.001	1.000
2003										1.000	1.001	1.008	0.998	1.004	1.001	1.004	1.004	1.000
2004									1.008	1.003	1.000	1.011	1.006	1.002	1.002	1.000	1.001	1.002
2005								1.000	1.006	0.996	1.005	1.004	1.002	1.002	1.006	0.999	0.998	
2006							1.010	1.002	1.002	1.001	0.998	1.002	1.010	0.999	1.002	1.004		
2007						1.001	1.007	1.014	1.012	1.002	1.002	1.002	1.000	1.005	1.002			
2008					1.028	1.013	1.010	1.008	1.002	1.002	1.000	0.998	1.005	1.001				
2009				1.041	1.005	1.002	1.013	1.001	1.004	0.999	0.998	0.998	0.999					
2010			1.043	1.029	1.015	1.014	1.005	1.000	0.995	1.002	0.997	1.001						
2011		1.050	1.072	1.033	1.017	1.004	1.002	0.997	1.005	1.004	0.999							
2012	1.136	1.078	1.039	1.018	1.011	1.009	1.004	1.003	1.003	1.004								
2013	1.128	1.089	1.074	1.040	1.002	1.012	1.008	0.997	1.004									
2014	1.135	1.054	1.027	1.028	1.024	1.028	1.002	1.000										
2015	1.123	1.063	1.034	1.021	1.023	1.011	1.004											
2016	1.141	1.063	1.059	1.025	1.014	1.002												
2017	1.127	1.075	1.033	1.035	1.011													
2018	1.133	1.062	1.027	1.022														
2019	1.161	1.054	1.054															
2020	1.098	1.073																
2021	1.166																	

Missouri   **Exhibit 5c**
Policy Year—Private Carrier + State Fund—Limited Statewide—Medical Paid Loss Development

PY	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19
1995																		1.003
1996																	1.003	1.001
1997																1.005	1.003	1.007
1998															1.003	1.001	1.001	1.002
1999														1.002	1.002	1.008	1.001	1.001
2000													1.004	1.017	1.001	1.002	1.003	1.001
2001												1.004	1.003	1.004	1.005	1.003	1.003	1.003
2002											1.005	1.005	1.007	1.004	1.003	1.011	1.004	1.004
2003										1.005	1.005	1.004	1.002	1.004	1.002	1.004	1.005	1.003
2004									1.012	1.009	1.004	1.004	1.004	1.005	1.004	1.003	1.003	1.003
2005								1.006	1.006	1.005	1.004	1.005	1.004	1.004	1.004	1.004	1.003	
2006							1.012	1.007	1.004	1.003	1.005	1.003	1.005	1.002	1.002	1.004		
2007						1.011	1.009	1.004	1.004	1.005	1.003	1.001	1.002	1.001	1.002			
2008					1.022	1.019	1.012	1.004	1.012	1.005	1.004	1.004	1.004	1.004				
2009				1.017	1.013	1.010	1.005	1.006	1.003	1.001	1.001	1.000	1.000					
2010			1.036	1.016	1.012	1.007	1.008	1.007	1.009	1.003	1.002	1.003						
2011		1.058	1.036	1.020	1.018	1.014	1.009	1.008	1.003	1.001	1.003							
2012	1.226	1.066	1.030	1.017	1.016	1.009	1.017	1.006	1.004	1.002								
2013	1.219	1.064	1.027	1.016	1.005	1.007	1.008	1.005	1.005									
2014	1.241	1.061	1.023	1.015	1.018	1.010	1.009	1.009										
2015	1.238	1.057	1.036	1.024	1.013	1.009	1.008											
2016	1.206	1.059	1.021	1.011	1.007	1.007												
2017	1.213	1.055	1.025	1.019	1.018													
2018	1.191	1.047	1.019	1.014														
2019	1.202	1.056	1.025															
2020	1.215	1.063																
2021	1.221																	

Missouri   **Exhibit 5d**
Policy Year—Private Carrier + State Fund—Limited Statewide—Medical Paid+Case Loss Development

PY	1/2	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19
1995																		1.001
1996																	1.001	1.002
1997																0.999	1.005	0.995
1998															1.008	1.004	1.000	1.000
1999														1.000	1.000	1.004	0.999	0.999
2000													1.003	0.997	0.997	1.000	1.001	1.003
2001												1.002	0.999	1.003	0.993	1.000	0.996	1.002
2002											0.999	1.005	1.003	1.003	1.001	1.002	1.011	1.004
2003										1.004	0.999	1.004	0.999	1.009	1.001	1.002	1.001	1.004
2004									1.005	0.997	1.001	1.005	0.994	0.997	0.997	1.000	0.997	0.998
2005								1.001	1.021	0.997	1.007	1.002	1.000	0.999	0.989	1.000	0.998	
2006							1.005	0.998	1.001	1.006	1.001	1.003	1.005	1.001	1.002	1.003		
2007						0.998	1.003	1.004	1.002	0.996	1.001	0.999	0.998	0.998	1.000			
2008					1.010	1.007	1.003	1.007	0.990	0.984	1.001	0.998	1.001	0.997				
2009				1.003	0.998	1.007	1.007	0.996	0.997	0.989	0.999	0.998	1.000					
2010			0.993	0.993	1.010	1.001	1.001	0.998	1.003	1.000	1.001	0.996						
2011		0.993	0.975	0.993	1.023	0.993	1.006	0.993	0.999	0.999	0.993							
2012	1.032	1.005	1.004	0.996	0.987	0.995	1.003	0.998	1.002	0.996								
2013	1.013	0.993	1.000	1.000	0.981	1.004	1.020	0.994	0.998									
2014	1.034	0.993	0.995	1.008	1.004	1.007	0.998	1.004										
2015	1.035	1.005	1.008	1.002	1.015	0.999	0.993											
2016	1.007	0.971	1.003	1.004	0.995	0.993												
2017	1.027	0.994	1.014	1.000	0.990													
2018	1.002	0.989	0.997	0.984														
2019	1.044	1.016	1.013															
2020	1.007	0.993																
2021	1.038																	

MISSOURI Exhibit 7

Statewide - Private Carrier + State Fund

Derivation of the Factor to Adjust Losses for Prior Policy Years for Valuation Year 2023

Indemnity Paid+Case Data						
(1)	(2)		(3)		(4)=(3)/(2)	(5)	(6)
Policy	Older Year's Indemnity		Newer Year's Indemnity		Growth	Inverse	Upward Cum.
Years	Paid + Case Losses		Paid + Case Losses		Ratio	1 / (4)	Product of (5)
1990/1989	PY 1989@2008	219,039,126	PY 1990@2009	232,456,428	1.061	0.942	0.971
1991/1990	PY 1990@2009	227,189,268	PY 1991@2010	225,498,511	0.993	1.007	1.031
1992/1991	PY 1991@2010	225,498,511	PY 1992@2011	200,835,736	0.891	1.123	1.023
1993/1992	PY 1992@2011	200,811,854	PY 1993@2012	183,496,440	0.914	1.094	0.911
1994/1993	PY 1993@2012	183,545,036	PY 1994@2013	165,007,399	0.899	1.112	0.833
1995/1994	PY 1994@2013	163,997,293	PY 1995@2014	141,633,259	0.864	1.158	0.748
1996/1995	PY 1995@2014	141,608,646	PY 1996@2015	148,254,038	1.047	0.955	0.646
1997/1996	PY 1996@2015	148,247,760	PY 1997@2016	154,914,525	1.045	0.957	0.677
1998/1997	PY 1997@2016	154,914,525	PY 1998@2017	182,906,839	1.181	0.847	0.707
1999/1998	PY 1998@2017	192,061,279	PY 1999@2018	195,440,205	1.018	0.983	0.835
2000/1999	PY 1999@2018	187,282,040	PY 2000@2019	199,418,430	1.065	0.939	0.850
2001/2000	PY 2000@2019	196,663,409	PY 2001@2020	203,545,043	1.035	0.966	0.905
2002/2001	PY 2001@2020	207,781,582	PY 2002@2021	197,849,349	0.952	1.050	0.936
2003/2002	PY 2002@2021	197,849,349	PY 2003@2022	221,902,475	1.122	0.892	0.892
			Factor to Adjust Losses for Prior Years—10-Year Average				0.803

Medical Paid+Case Data						
(1)	(2)		(3)		(4)=(3)/(2)	(5)	(6)
Policy	Older Year's Medical		Newer Year's Medical		Growth	Inverse	Upward Cum.
Years	Paid + Case Losses		Paid + Case Losses		Ratio	1 / (4)	Product of (5)
1990/1989	PY 1989@2008	167,794,520	PY 1990@2009	186,527,540	1.112	0.900	0.746
1991/1990	PY 1990@2009	182,662,813	PY 1991@2010	191,692,398	1.049	0.953	0.829
1992/1991	PY 1991@2010	191,692,398	PY 1992@2011	166,012,660	0.866	1.155	0.870
1993/1992	PY 1992@2011	166,008,493	PY 1993@2012	170,212,510	1.025	0.975	0.753
1994/1993	PY 1993@2012	170,220,623	PY 1994@2013	152,705,754	0.897	1.115	0.772
1995/1994	PY 1994@2013	151,577,681	PY 1995@2014	134,631,701	0.888	1.126	0.693
1996/1995	PY 1995@2014	134,623,547	PY 1996@2015	128,910,066	0.958	1.044	0.616
1997/1996	PY 1996@2015	128,897,172	PY 1997@2016	153,272,672	1.189	0.841	0.589
1998/1997	PY 1997@2016	153,272,672	PY 1998@2017	156,640,785	1.022	0.978	0.701
1999/1998	PY 1998@2017	164,679,784	PY 1999@2018	177,106,284	1.075	0.930	0.716
2000/1999	PY 1999@2018	169,817,461	PY 2000@2019	189,908,827	1.118	0.894	0.770
2001/2000	PY 2000@2019	186,929,065	PY 2001@2020	183,658,391	0.983	1.018	0.861
2002/2001	PY 2001@2020	186,292,265	PY 2002@2021	194,333,105	1.043	0.959	0.846
2003/2002	PY 2002@2021	194,333,105	PY 2003@2022	220,105,371	1.133	0.883	0.883
			Factor to Adjust Losses for Prior Years—10-Year Average				0.745

Calculation of Tail Adjustment Factors (F$_T$) by Threshold
Rate Filing Season 2024–2025
ULDF = 1.020

Threshold	ELF$_T$	ELDF$_T$	CLDF$_T$	F$_T$
9,000,000	0.014	1.815	1.014	0.688
10,000,000	0.012	1.877	1.014	0.723
9,599,292				**0.709**

Notes:

(1) ULDF = Uncapped 19th to ultimate tail factor, based on NCCI states except NV, TX, and WV

(2) ELF$_T$ = Excess ratio for threshold T

(3) ELDF$_T$ = Excess paid+case tail factor, 19th to ultimate, for threshold T

(4) CLDF$_T$ = Capped paid+case tail factor, 19th to ultimate: $(1 - ELF_T) / (1 / ULDF - ELF_T / ELDF_T)$

(5) F$_T$ = Tail Adjustment Factor: $[CLDF_T - 1] / [ULDF - 1]$

Missouri Assigned Risk Market Shares

PY	(1) Statewide DSR Premium	(2) Assigned Risk DSR Premium	(3) = (2) / (1) Assigned Risk Market Share
2013	537,690,608	13,284,388	2.5%
2014	626,160,082	15,765,628	2.5%
2015	640,107,048	13,179,434	2.1%
2016	653,360,147	11,021,760	1.7%
2017	656,366,634	9,538,009	1.5%
2018	633,785,076	8,364,831	1.3%
2019	616,537,116	7,150,114	1.2%
2020	625,926,442	8,384,739	1.3%
2021	699,891,638	9,673,707	1.4%
2022	689,746,773	8,692,141	1.3%

Missouri Implied Assigned Risk Differential*

	Voluntary Experience				
	(1)	(2)	(3) = (2) / (1)		
PY	DSR Premium	Total Paid+Case Losses	Loss Ratio		
2013	524,406,220	410,757,119	0.783		
2014	610,394,454	427,663,611	0.701		
2015	626,927,614	458,001,676	0.731		
2016	642,338,387	433,759,642	0.675		
2017	646,828,625	486,320,112	0.752		
2018	625,420,245	478,642,267	0.765		
2019	609,387,002	445,889,258	0.732		
2020	617,541,703	432,144,207	0.700		
2021	690,217,931	449,224,556	0.651		
2022	681,054,632	444,008,898	0.652		
	6,274,516,813	4,466,411,346	0.711833513		
	Assigned Risk Experience				
	(4)	(5)	(6) = (5) / (4)	(7) = (6) / (3)	
PY	DSR Premium	Total Paid+Case Losses	Loss Ratio	Experience Differential	1.750
2013	13,284,388	23,033,231	1.734	2.215	0.465
2014	15,765,628	18,367,014	1.165	1.662	-0.088
2015	13,179,434	13,448,623	1.020	1.395	-0.355
2016	11,021,760	28,514,793	2.587	3.833	2.083
2017	9,538,009	15,434,321	1.618	2.152	0.402
2018	8,364,831	17,850,423	2.134	2.790	1.040
2019	7,150,114	8,130,491	1.137	1.553	-0.197
2020	8,384,739	19,099,064	2.278	3.254	1.504
2021	9,673,707	10,364,727	1.071	1.645	-0.105
2022	8,692,141	9,864,723	1.135	1.741	-0.009
	105,054,751	164,107,410	1.562113169		
* Based on unlimited, undeveloped premium and losses.			2.194492308		5.000

NATIONAL COUNCIL ON COMPENSATION INSURANCE
2024 ANNUAL COUNTRYWIDE ADJUSTING AND OTHER EXPENSE REVIEW

Each year, NCCI calculates a countrywide (CW) adjusting and other expense (AOE) provision. This file provides the CW AOE provision that will be filed as applicable during the 2024-2025 filing season.

NCCI calculates ultimate AOE ratios by accident year, separately for both paid and incurred data (paid plus unpaid). The average of the paid and incurred AOE ratio indications are also calculated. The AOE ratios by year as well as the selected provision are shown in Exhibit 1.

Exhibit 1: Ultimate AOE Ratios and Countrywide Selection

Accident Year	Ultimate AOE Ratio Based on Paid Data	Ultimate AOE Ratio Based on Incurred Data	Ultimate AOE Ratio Based on Avg. of Paid and Incurred Data
2017	9.2%	9.5%	9.4%
2018	9.0%	9.0%	9.0%
2019	9.5%	9.7%	9.6%
2020	10.3%	10.0%	10.2%
2021	9.7%	10.0%	9.9%
2022	9.5%	9.9%	9.7%
2023	10.0%	9.8%	9.9%
	Selected AOE Provision		**9.8%**

For the 2024-2025 filing season, NCCI selected a countrywide AOE provision of 9.8%, an increase over last year's 9.4%. In the latest valuation of data, NCCI observed an increase in AOE ratio emergence in the years following the pandemic. The selection aligns with an average of the latest two accident year AOE ratios and is responsive to the latest available data.

NATIONAL COUNCIL ON COMPENSATION INSURANCE
2024 ANNUAL COUNTRYWIDE ADJUSTING AND OTHER EXPENSE REVIEW

Data Used

NCCI uses private carrier data reported on NCCI Call 19 to calculate the ultimate AOE ratios. Call 19 is a countrywide Call in which data is reported for the most recent ten individual accident years, in addition to an aggregated "prior line" in which data is reported for all years older than the most recent ten. The data reported includes losses and AOE on both a paid and unpaid basis. Further, the Call 19 data is reported for all policy types—including that for large deductible policies. NCCI reviews all call submissions for completeness and accuracy. Occasionally, a carrier's data submission is not included in the analysis because it had quality issues or NCCI determined that the data reported should not be included based on NCCI's actuarial judgment.

Methodology Overview

To determine the ultimate AOE ratios, NCCI uses the following methodology:

- Calculate AOE ratios at a 10th report by developing AOE and losses separately to a 10th.
  - A two-year average of historical paid loss and AOE development factors is selected.
  - A five-year average of historical incurred loss and AOE development factors is selected.
- Apply a 10th-to-ultimate ratio tail factor
  - An extended history of tail factors is reviewed as they can be influenced by underwriting cycles and changes to system costs.
- Apply the adjustment to reverse AOE credits
  - Carriers may credit their AOE amounts for reimbursement of claims-handling provided to policyholders (such as for claims below a deductible amount) or for other service fees charged related to claims-handling. The purpose of this adjustment is to add these credits back in to put AOE on a first-dollar basis.
- Apply the adjustment for losses associated with Third-Party Administrator (TPA) Agreements
  - As a result of TPA agreements, some carriers report losses on Call 19 without associated AOE. The purpose of this adjustment is to remove these losses from the analysis.
- Apply the adjustment to convert losses from a net-of-deductible to a gross-of-deductible basis
  - Up to this point in the calculation, the data used includes losses from large deductible policies, net of the deductible. The purpose of this adjustment is to convert the data to a full coverage basis, allowing the AOE provision to be on the same basis as the losses used in individual state experience filings.
- Apply an adjustment to exclude the percentage of COVID-19 pandemic related losses relative to total losses
  - COVID-19 claims with accident dates between December 1, 2019 through June 30, 2023 are excluded

2

NATIONAL COUNCIL ON COMPENSATION INSURANCE
2024 ANNUAL COUNTRYWIDE ADJUSTING AND OTHER EXPENSE REVIEW

Exhibit 2: Calculation of Ultimate AOE Ratios—Paid Data

	(1)	(2)	(3)=(1)x(2)	(4)	(5)	(6)=(4)x(5)	(7)
		Cumulative	Estimated		Cumulative	Estimated	10th Report-
	Paid AOE	Paid AOE	Paid AOE	Paid Losses	Paid Loss	Paid Losses	to-Ultimate
Accident	at Current	Development	Developed to a	at Current	Development	Developed to a	Paid AOE
Year	Report	Factors	10th Report	Report	Factors	10th Report	Ratio Tail Factor
2017	2,030,879,327	1.041	2,114,145,379	16,480,272,138	1.044	17,205,404,112	0.94
2018	2,059,506,487	1.065	2,193,374,409	16,945,111,681	1.072	18,165,159,722	0.94
2019	2,133,199,123	1.098	2,342,252,637	16,600,912,675	1.119	18,576,421,283	0.94
2020	1,946,319,755	1.150	2,238,267,718	13,846,188,477	1.204	16,670,810,926	0.94
2021	1,871,771,971	1.237	2,315,381,928	13,203,721,622	1.374	18,141,913,509	0.94
2022	1,698,858,797	1.430	2,429,368,080	10,836,126,275	1.778	19,266,632,517	0.94
2023	1,155,150,874	2.191	2,530,935,565	4,807,332,348	3.897	18,734,174,160	0.94

	(8)=(3)/(6)x(7)	(9)	(10)	(11)	(12)	(13)=[(8)+(9)]x(10)x(11)/[1-(12)]
	Estimated		Adjustment for	Adjustment to	Percentage of	Estimated
	Ultimate AOE	Adjustment to	Losses	Convert Losses	COVID-19-Related	Ultimate AOE
Accident	Ratio Before	Reverse AOE	Associated with	From Net to Gross	Losses to	Ratio After
Year	Adjustments	Credits	TPA Agreements	of Deductible	Total Losses	Adjustments
2017	11.6%	0.011	1.037	0.70	-	9.2%
2018	11.4%	0.011	1.034	0.70	-	9.0%
2019	11.8%	0.013	1.040	0.70	-	9.5%
2020	12.6%	0.012	1.040	0.70	2.1%	10.3%
2021	12.0%	0.012	1.041	0.70	0.8%	9.7%
2022	11.8%	0.012	1.036	0.70	0.1%	9.5%
2023	12.7%	0.012	1.045	0.69	0.0%	10.0%

3

NATIONAL COUNCIL ON COMPENSATION INSURANCE
2024 ANNUAL COUNTRYWIDE ADJUSTING AND OTHER EXPENSE REVIEW

Exhibit 3: Calculation of Ultimate AOE Ratios—Incurred Data

	(1)	(2)	(3)=(1)x(2)	(4)	(5)	(6)=(4)x(5)	(7)
		Cumulative	Estimated		Cumulative	Estimated	10th Report-
	Incurred AOE	Incurred AOE	Incurred AOE	Incurred Losses	Incurred Loss	Incurred Losses	to-Ultimate
Accident	at Current	Development	Developed to a	at Current	Development	Developed to a	Incurred AOE
Year	Report	Factors	10th Report	Report	Factors	10th Report	Ratio Tail Factor
2017	2,279,642,128	1.007	2,295,599,623	20,847,792,342	0.967	20,159,815,195	1.04
2018	2,314,007,369	1.006	2,327,891,413	22,244,642,598	0.951	21,154,655,111	1.04
2019	2,478,547,207	1.002	2,483,504,301	23,144,847,297	0.930	21,524,707,986	1.04
2020	2,329,369,896	0.997	2,322,381,786	21,785,846,112	0.907	19,759,762,424	1.04
2021	2,452,313,238	0.987	2,420,433,166	23,014,169,115	0.882	20,298,497,159	1.04
2022	2,535,938,682	0.991	2,513,115,234	24,565,195,397	0.861	21,150,633,237	1.04
2023	2,482,000,572	1.014	2,516,748,580	24,656,457,954	0.857	21,130,584,467	1.04

	(8)=(3)/(6)x(7)	(9)	(10)	(11)	(12)	(13)=[(8)+(9)]x(10)x(11)/[1-(12)]
	Estimated		Adjustment for	Adjustment to	Percentage of	Estimated
	Ultimate AOE	Adjustment to	Losses	Convert Losses	COVID-19-Related	Ultimate AOE
Accident	Ratio Before	Reverse AOE	Associated with	From Net to Gross	Losses to	Ratio After
Year	Adjustments	Credits	TPA Agreements	of Deductible	Total Losses	Adjustments
2017	11.9%	0.011	1.037	0.70	-	9.5%
2018	11.4%	0.011	1.034	0.70	-	9.0%
2019	12.0%	0.013	1.040	0.70	-	9.7%
2020	12.3%	0.012	1.040	0.70	2.1%	10.0%
2021	12.4%	0.012	1.041	0.70	0.8%	10.0%
2022	12.4%	0.012	1.036	0.70	0.1%	9.9%
2023	12.4%	0.012	1.045	0.69	0.0%	9.8%

NATIONAL COUNCIL ON COMPENSATION INSURANCE
2024 ANNUAL COUNTRYWIDE ADJUSTING AND OTHER EXPENSE REVIEW

Exhibit 4: AOE Ratio Tail Factor Selection—Paid

Valuation Date	(1) Paid AOE 10th-to-Ultimate	(2) Paid Loss 10th-to-Ultimate	(3) = (1)/(2) Paid AOE-to-Loss 10th-to-Ultimate Tail Factor
12/31/2009	1.044	1.204	0.867
12/31/2010	1.134	1.169	0.970
12/31/2011	1.170	1.245	0.940
12/31/2012	1.167	1.221	0.956
12/31/2013	1.118	1.252	0.893
12/31/2014	1.089	1.233	0.883
12/31/2015	1.057	1.214	0.871
12/31/2016	1.081	1.198	0.902
12/31/2017	1.072	1.190	0.901
12/31/2018	1.115	1.136	0.982
12/31/2019	1.089	1.146	0.950
12/31/2020	1.122	1.136	0.988
12/31/2021	1.106	1.135	0.974
12/31/2022	1.087	1.152	0.944
12/31/2023	1.114	1.130	0.986

Selected Paid AOE Tail Factor   **0.940**

Exhibit 5: AOE Ratio Tail Factor Selection—Incurred

	(1)	(2)	(3) = (1)/(2)
			Incurred AOE-to-Loss
	Incurred AOE	Incurred Loss	10th-to-Ultimate
Valuation Date	10th-to-Ultimate	10th-to-Ultimate	Tail Factor
12/31/2009	1.021	1.061	0.962
12/31/2010	1.109	1.043	1.063
12/31/2011	1.112	1.047	1.062
12/31/2012	1.113	1.026	1.085
12/31/2013	1.051	1.039	1.012
12/31/2014	1.027	1.033	0.994
12/31/2015	0.999	1.017	0.982
12/31/2016	1.003	0.995	1.008
12/31/2017	1.000	0.995	1.005
12/31/2018	1.041	0.958	1.087
12/31/2019	1.003	0.973	1.031
12/31/2020	1.025	0.969	1.058
12/31/2021	1.025	0.967	1.060
12/31/2022	1.022	0.973	1.050
12/31/2023	1.028	0.953	1.079

Selected Incurred AOE Tail Factor   **1.040**

Missouri
Paid DCCE to Paid Loss Ratio Development Factors

	(1)	(2)
	DCCE Ratio Development	
Report	To Next Report	To Ultimate
1st	1.077	1.099
2nd	1.022	1.020
3rd	1.015	0.998
4th	1.007	0.983
5th	1.000	0.976
6th	1.002	0.976
7th	0.996	0.974
8th	0.998	0.978
9th	0.998	0.980
10th	0.999	0.982
11th	0.998	0.983
12th	0.999	0.985
13th	1.000	0.986
14th	0.999	0.986
15th	0.998	0.987
16th	0.997	0.989
17th	0.998	0.992
18th	0.999	0.994
19th		0.995*

(1) Derived on next tab

(2) = Cumulative upward product of column (1)

*Selection

Missouri
Paid DCCE to Paid Loss Ratio Age-to-Age Development Factors

Valuation	1st/2nd	2nd/3rd	3rd/4th	4th/5th	5th/6th	6th/7th
12/31/2021	1.071	1.035	1.020	1.013	1.002	1.006
12/31/2022	1.068	1.016	1.015	1.002	1.002	1.002
12/31/2023	1.092	1.014	1.011	1.007	0.995	0.998
Average	1.077	1.022	1.015	1.007	1.000	1.002

Valuation	7th/8th	8th/9th	9th/10th	10th/11th	11th/12th	12th/13th
12/31/2021	0.999	0.997	0.998	0.999	0.999	0.997
12/31/2022	0.994	0.995	0.999	1.001	0.998	1.000
12/31/2023	0.996	1.002	0.997	0.997	0.998	1.001
Average	0.996	0.998	0.998	0.999	0.998	0.999

Valuation	13th/14th	14th/15th	15th/16th	16th/17th	17th/18th	18th/19th
12/31/2021	1.000	0.999	0.998	0.997	0.999	0.998
12/31/2022	1.000	0.999	0.997	0.997	0.997	1.001
12/31/2023	1.000	0.998	0.999	0.997	0.998	0.997
Average	1.000	0.999	0.998	0.997	0.998	0.999

Missouri AOE Provision Calculation

Policy Year	DSR Premium*		State Fund Calculated Weight^
	Private Carrier	State Fund	
2021	363,913,676	101,048,836	21.7%
2022	395,530,126	108,040,198	21.5%
	Selected State Fund Weight		**21.6%**

*Designated Statistical Reporting level premium on-leveled and developed to ultimate
^State Fund Premium / Combined Private Carrier and State Fund Premium

	Weight	AOE Provision
Private Carrier	78.4%	9.8%
State Fund	21.6%	13.5%
Overall		**10.6%**

Policy Period	(1) PY Standard Earned Premiums	(2) Premiums @ PY Manual Rates	Current Manual to Standard Ratio (2)/(1)		Policy Period	(3) PY Standard Earned Premiums	(4) Premiums @ PY Manual Rates	Proposed Manual to Standard Ratio (4)/(3)
Manufacturing								
7/16-6/17	233,233,631	293,364,969			7/17-6/18	245,749,732	308,645,977	
7/17-6/18	245,772,261	308,626,479			7/18-6/19	247,104,793	312,419,737	
7/18-6/19	247,041,762	312,255,654			7/19-6/20	235,326,211	300,867,284	
7/19-6/20	234,719,606	299,123,676			7/20-6/21	250,975,082	322,934,252	
7/20-6/21	249,836,997	320,483,084			7/21-6/22	266,634,673	342,175,050	
5 Yr Totals	1,210,604,257	1,533,853,862	1.267		5 Yr Totals	1,245,790,491	1,587,042,300	1.274
Contracting								
7/16-6/17	332,426,461	373,836,061			7/17-6/18	325,336,649	365,504,563	
7/17-6/18	325,215,687	365,331,251			7/18-6/19	326,165,955	367,060,756	
7/18-6/19	326,177,709	367,083,340			7/19-6/20	325,719,455	366,097,457	
7/19-6/20	325,753,492	366,240,304			7/20-6/21	348,611,451	392,962,683	
7/20-6/21	348,076,202	392,088,245			7/21-6/22	366,889,251	413,032,647	
5 Yr Totals	1,657,649,551	1,864,579,201	1.125		5 Yr Totals	1,692,722,761	1,904,658,106	1.125
Office & Clerical								
7/16-6/17	164,344,380	189,368,405			7/17-6/18	163,805,109	186,131,291	
7/17-6/18	162,859,093	184,816,417			7/18-6/19	164,102,644	183,323,688	
7/18-6/19	162,767,420	181,929,952			7/19-6/20	156,333,195	176,798,017	
7/19-6/20	156,341,897	176,655,474			7/20-6/21	163,411,998	185,921,214	
7/20-6/21	164,217,779	186,740,597			7/21-6/22	175,063,470	201,873,119	
5 Yr Totals	810,530,569	919,510,845	1.134		5 Yr Totals	822,716,416	934,047,329	1.135
Goods & Services								
7/16-6/17	406,480,235	442,115,682			7/17-6/18	416,951,438	452,778,353	
7/17-6/18	416,279,047	452,060,431			7/18-6/19	409,994,596	447,428,652	
7/18-6/19	409,825,469	447,225,667			7/19-6/20	407,221,287	443,987,427	
7/19-6/20	407,406,765	444,187,353			7/20-6/21	430,630,555	463,333,909	
7/20-6/21	430,015,841	462,678,030			7/21-6/22	461,210,837	499,014,605	
5 Yr Totals	2,070,007,357	2,248,267,163	1.086		5 Yr Totals	2,126,008,713	2,306,542,946	1.085
Miscellaneous								
7/16-6/17	267,987,632	285,693,284			7/17-6/18	277,720,172	293,458,113	
7/17-6/18	275,502,990	290,842,237			7/18-6/19	278,442,272	298,732,350	
7/18-6/19	278,526,382	298,743,832			7/19-6/20	282,415,271	304,226,062	
7/19-6/20	282,363,415	303,998,609			7/20-6/21	302,210,962	323,368,497	
7/20-6/21	304,945,405	325,208,667			7/21-6/22	316,415,311	340,033,581	
5 Yr Totals	1,409,325,824	1,504,486,629	1.068		5 Yr Totals	1,457,203,988	1,559,818,603	1.070

LIMITED INDEMNITY LOSS DEVELOPMENT
Likely

Missouri

01/01/25

1st Report Start:	7/1/2021
1st Report End:	6/30/2022

PY Data	1st Report	2nd Report	3rd Report	4th Report	5th Report	6th Report	7th Report	8th Report	9th Report	10th Report
7/08-6/09	56,394,400	68,119,688	76,960,072	81,812,658	86,340,805	88,808,054	90,128,179	91,674,860	91,998,967	92,402,355
7/09-6/10	59,353,135	72,061,974	78,751,760	85,780,165	92,479,110	95,818,557	97,128,246	98,916,286	99,134,325	99,041,531
7/10-6/11	57,436,737	70,737,482	81,332,688	87,004,173	92,401,354	94,585,249	97,054,647	96,688,549	96,992,388	97,153,193
7/11-6/12	55,738,741	68,604,052	76,709,818	82,746,589	87,599,902	90,381,910	91,480,869	92,775,488	93,869,039	94,040,847
7/12-6/13	51,993,838	65,464,388	76,147,455	83,686,834	87,257,025	90,583,671	93,341,543	94,395,797	94,104,038	94,426,009
7/13-6/14	55,068,087	71,554,736	82,975,895	89,076,954	94,485,327	98,863,390	101,391,311	104,049,031	104,381,357	
7/14-6/15	61,410,760	77,540,554	87,661,671	95,073,073	99,369,509	101,821,623	104,210,251	104,812,565		
7/15-6/16	58,716,974	74,975,858	84,894,667	91,456,773	95,540,045	99,180,327	100,206,093			
7/16-6/17	59,003,576	74,933,544	85,452,045	91,485,437	96,858,946	100,933,818				
7/17-6/18	59,504,400	75,406,566	87,291,668	92,059,711	97,408,022					
7/18-6/19	58,903,185	72,523,833	82,962,412	90,171,660						
7/19-6/20	52,378,436	65,585,841	75,391,093							
7/20-6/21	59,145,207	76,503,554								
7/21-6/22	65,418,843									

Link Ratios	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10
7/08-6/09	1.208	1.130	1.063	1.055	1.029	1.015	1.017	1.004	1.004
7/09-6/10	1.214	1.093	1.089	1.078	1.036	1.014	1.018	1.002	0.999
7/10-6/11	1.232	1.150	1.070	1.062	1.024	1.026	0.996	1.003	1.002
7/11-6/12	1.231	1.118	1.079	1.059	1.032	1.012	1.014	1.012	1.002
7/12-6/13	1.259	1.163	1.099	1.043	1.038	1.030	1.011	0.997	1.003
7/13-6/14	1.299	1.160	1.074	1.061	1.046	1.026	1.026	1.003	
7/14-6/15	1.263	1.131	1.085	1.045	1.025	1.023	1.006		
7/15-6/16	1.277	1.132	1.077	1.045	1.038	1.010			
7/16-6/17	1.270	1.140	1.071	1.059	1.042				
7/17-6/18	1.267	1.158	1.055	1.058					
7/18-6/19	1.231	1.144	1.087						
7/19-6/20	1.252	1.150							
7/20-6/21	1.293								

AVERAGE DEV.	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10
5 Year Averages	1.263	1.145	1.075	1.054	1.038	1.020	1.011	1.003	1.002

AVG DEV. TO ULT.	1:U	2:U	3:U	4:U	5:U	6:U	7:U	8:U	9:U	10:U
5 Year Averages	1.828	1.447	1.264	1.176	1.116	1.075	1.054	1.043	1.040	1.038

LIMITED INDEMNITY LOSS DEVELOPMENT
Not-Likely

Missouri

01/01/25

PY Data	1st Report	2nd Report	3rd Report	4th Report	5th Report	6th Report	7th Report	8th Report	9th Report	10th Report
7/08-6/09	143,348,893	158,385,454	166,673,069	168,886,668	169,362,949	171,114,591	172,071,117	172,827,622	172,575,080	172,995,619
7/09-6/10	137,929,325	149,999,354	158,861,623	161,919,515	164,228,362	164,004,946	164,233,547	166,425,295	166,474,918	166,581,748
7/10-6/11	143,631,111	159,767,585	168,398,468	171,025,417	174,081,280	176,750,088	177,092,378	176,656,627	177,254,742	177,195,719
7/11-6/12	142,885,709	156,413,734	166,865,179	170,200,525	172,641,023	174,270,255	175,650,851	175,046,315	175,717,877	176,153,152
7/12-6/13	156,750,141	172,696,409	181,918,292	186,881,356	189,001,926	191,554,963	192,811,467	193,000,835	192,975,253	193,131,835
7/13-6/14	157,674,786	175,180,954	185,827,851	192,297,531	194,451,013	196,598,311	197,209,443	197,158,076	196,779,310	
7/14-6/15	163,662,948	184,076,964	195,584,098	201,934,532	204,769,132	208,053,265	209,552,462	209,209,959		
7/15-6/16	167,281,518	184,841,137	194,810,584	199,875,044	202,805,275	205,170,170	206,894,095			
7/16-6/17	166,489,036	184,880,513	197,604,328	205,379,359	207,863,719	209,371,179				
7/17-6/18	179,100,124	198,884,795	210,832,771	215,559,731	217,940,398					
7/18-6/19	180,570,094	202,335,568	210,417,266	217,333,569						
7/19-6/20	166,057,720	185,414,042	194,382,656							
7/20-6/21	180,973,948	205,915,420								
7/21-6/22	198,616,716									

Link Ratios	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10
7/08-6/09	1.105	1.052	1.013	1.003	1.010	1.006	1.004	0.999	1.002
7/09-6/10	1.088	1.059	1.019	1.014	0.999	1.001	1.013	1.000	1.001
7/10-6/11	1.112	1.054	1.016	1.018	1.015	1.002	0.998	1.003	1.000
7/11-6/12	1.095	1.067	1.020	1.014	1.009	1.008	0.997	1.004	1.002
7/12-6/13	1.102	1.053	1.027	1.011	1.014	1.007	1.001	1.000	1.001
7/13-6/14	1.111	1.061	1.035	1.011	1.011	1.003	1.000	0.998	
7/14-6/15	1.125	1.063	1.032	1.014	1.016	1.007	0.998		
7/15-6/16	1.105	1.054	1.026	1.015	1.012	1.008			
7/16-6/17	1.110	1.069	1.039	1.012	1.007				
7/17-6/18	1.110	1.060	1.022	1.011					
7/18-6/19	1.121	1.040	1.033						
7/19-6/20	1.117	1.048							
7/20-6/21	1.138								

AVERAGE DEV.	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10
5 Year Averages	1.119	1.054	1.030	1.013	1.012	1.007	0.999	1.001	1.001

AVG DEV. TO ULT.	1:U	2:U	3:U	4:U	5:U	6:U	7:U	8:U	9:U	10:U
5 Year Averages	1.269	1.134	1.076	1.045	1.032	1.020	1.013	1.014	1.013	1.012

LIMITED MEDICAL LOSS DEVELOPMENT
Likely

Missouri

01/01/25

PY Data	1st Report	2nd Report	3rd Report	4th Report	5th Report	6th Report	7th Report	8th Report	9th Report	10th Report
7/08-6/09	77,299,299	83,716,216	84,487,702	85,601,036	86,424,633	86,263,145	86,015,817	86,159,079	86,125,504	85,926,982
7/09-6/10	83,954,929	91,556,817	92,066,985	93,080,155	93,556,226	93,040,273	92,810,952	92,672,685	92,409,890	92,240,876
7/10-6/11	84,917,439	90,617,270	94,644,199	95,612,579	95,582,458	95,746,427	95,930,481	95,509,483	95,592,564	95,528,239
7/11-6/12	84,401,586	89,352,612	91,525,169	92,120,542	92,536,044	92,953,231	92,368,583	92,239,180	92,242,314	91,888,189
7/12-6/13	77,266,505	85,796,389	88,269,149	89,194,727	88,694,645	88,605,507	88,265,939	88,351,711	88,418,716	87,900,324
7/13-6/14	81,391,862	87,707,675	90,767,705	91,169,753	92,917,829	93,151,772	93,190,998	93,176,495	92,689,868	
7/14-6/15	86,253,043	93,206,031	94,976,720	94,991,338	95,280,270	95,789,076	96,185,495	96,444,888		
7/15-6/16	86,402,410	91,109,164	93,200,799	94,348,423	95,363,237	95,379,813	94,680,908			
7/16-6/17	87,705,430	95,499,457	95,197,636	97,780,406	98,118,482	97,475,587				
7/17-6/18	88,148,277	94,683,935	93,882,927	94,541,190	94,242,866					
7/18-6/19	87,610,320	90,899,813	92,958,353	93,477,946						
7/19-6/20	77,823,042	83,935,249	87,627,173							
7/20-6/21	86,408,102	92,493,154								
7/21-6/22	93,746,349									

Link Ratios	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10
7/08-6/09	1.083	1.009	1.013	1.010	0.998	0.997	1.002	1.000	0.998
7/09-6/10	1.091	1.006	1.011	1.005	0.994	0.998	0.999	0.997	0.998
7/10-6/11	1.067	1.044	1.010	1.000	1.002	1.002	0.996	1.001	0.999
7/11-6/12	1.059	1.024	1.007	1.005	1.005	0.994	0.999	1.000	0.996
7/12-6/13	1.110	1.029	1.010	0.994	0.999	0.996	1.001	1.001	0.994
7/13-6/14	1.078	1.035	1.004	1.019	1.003	1.000	1.000	0.995	
7/14-6/15	1.081	1.019	1.000	1.003	1.005	1.004	1.003		
7/15-6/16	1.054	1.023	1.012	1.011	1.000	0.993			
7/16-6/17	1.089	0.997	1.027	1.003	0.993				
7/17-6/18	1.074	0.992	1.007	0.997					
7/18-6/19	1.038	1.023	1.006						
7/19-6/20	1.079	1.044							
7/20-6/21	1.070								

AVERAGE DEV.	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10
5 Year Averages	1.070	1.016	1.010	1.007	1.000	0.997	1.000	0.999	0.997

AVG DEV. TO ULT.	1:U	2:U	3:U	4:U	5:U	6:U	7:U	8:U	9:U	10:U
5 Year Averages	1.118	1.045	1.029	1.019	1.012	1.012	1.015	1.015	1.016	1.019

LIMITED MEDICAL LOSS DEVELOPMENT
Not-Likely

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Missouri

01/01/25

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PY Data	1st Report	2nd Report	3rd Report	4th Report	5th Report	6th Report	7th Report	8th Report	9th Report	10th Report
7/08-6/09	*239,392,040*	*244,924,400*	*247,716,387*	*247,551,813*	*246,455,377*	*246,566,197*	*246,401,538*	*246,377,727*	246,332,065	246,572,160
7/09-6/10	*245,550,064*	*249,616,946*	*250,588,934*	*248,945,252*	*247,958,004*	*247,523,790*	*247,989,990*	248,003,878	248,512,889	248,277,978
7/10-6/11	*262,728,943*	*267,916,001*	*267,944,450*	*267,911,790*	*268,753,637*	*268,502,319*	268,611,733	268,823,816	268,211,758	267,998,623
7/11-6/12	*261,384,678*	*263,115,056*	*263,883,686*	*264,073,123*	*264,333,041*	264,410,330	264,430,667	263,348,529	263,022,695	263,183,320
7/12-6/13	*283,943,382*	*285,866,987*	*284,270,587*	*283,091,477*	282,505,349	282,367,195	281,162,063	281,231,450	281,277,323	280,973,867
7/13-6/14	*292,203,654*	*294,018,056*	*295,102,620*	295,144,274	294,733,718	294,152,179	293,555,439	293,462,425	293,249,322	
7/14-6/15	*299,068,964*	*302,661,852*	303,678,247	303,083,715	303,061,433	303,620,815	302,924,769	301,616,007		
7/15-6/16	*316,446,411*	319,217,189	321,669,709	321,749,755	320,391,245	319,453,371	319,027,926			
7/16-6/17	320,358,038	321,935,442	323,416,222	323,972,774	322,296,070	322,438,535				
7/17-6/18	344,312,939	347,374,633	346,750,726	345,793,244	345,455,152					
7/18-6/19	352,229,677	355,520,215	354,612,728	355,154,393						
7/19-6/20	310,278,868	313,113,331	311,051,712							
7/20-6/21	336,349,157	339,812,930								
7/21-6/22	361,495,070									

Link Ratios	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10
7/08-6/09	*1.023*	*1.011*	*0.999*	*0.996*	*1.000*	*0.999*	*1.000*	*1.000*	1.001
7/09-6/10	*1.017*	*1.004*	*0.993*	*0.996*	*0.998*	*1.002*	*1.000*	1.002	0.999
7/10-6/11	*1.020*	*1.000*	*1.000*	*1.003*	*0.999*	*1.000*	1.001	0.998	0.999
7/11-6/12	*1.007*	*1.003*	*1.001*	*1.001*	*1.000*	1.000	0.996	0.999	1.001
7/12-6/13	*1.007*	*0.994*	*0.996*	*0.998*	1.000	0.996	1.000	1.000	0.999
7/13-6/14	*1.006*	*1.004*	*1.000*	0.999	0.998	0.998	1.000	0.999	
7/14-6/15	*1.012*	*1.003*	0.998	1.000	1.002	0.998	0.996		
7/15-6/16	*1.009*	1.008	1.000	0.996	0.997	0.999			
7/16-6/17	1.005	1.005	1.002	0.995	1.000				
7/17-6/18	1.009	0.998	0.997	0.999					
7/18-6/19	1.009	0.997	1.002						
7/19-6/20	1.009	0.993							
7/20-6/21	1.010								

AVERAGE DEV.	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10
5 Year Averages	1.008	1.000	1.000	0.998	0.999	0.998	0.999	1.000	1.000

AVG DEV. TO ULT.	1:U	2:U	3:U	4:U	5:U	6:U	7:U	8:U	9:U	10:U
5 Year Averages	1.006	0.998	0.998	0.998	1.000	1.001	1.003	1.004	1.004	1.004

Determination of the indicated loss cost level change after excluding the assigned risk premium and loss experience reported to NCCI by Missouri's designated assigned risk plan administrator from the filing's experience period

		PY 2022	PY 2021
Premium:			
(1)	Standard Earned Premium Developed to Ultimate	$690,589,397	$689,527,713
(2)	Premium On-level Factor (Appendix A-I)	0.720	0.665
(3)	Pure Premium Available for Benefit Costs = (1) x (2)	$497,224,366	$458,535,929
Indemnity Benefit Cost:			
(4)	Limited Indemnity Losses Developed to Ultimate	$218,635,468	$206,717,543
(5)	Indemnity Loss On-level Factor (Appendix A-I)	1.000	1.000
(6)	Adjusted Limited Indemnity Losses = (4) x (5)	$218,635,468	$206,717,543
(7)	Adjusted Limited Indemnity Cost Ratio excluding Trend and Benefits = (6) / (3)	0.440	0.451
(8)	Factor to Reflect Indemnity Trend (Appendix A-III)	0.899	0.867
(9)	Projected Limited Indemnity Cost Ratio = (7) x (8)	0.396	0.391
(10)	Factor to Adjust Indemnity Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012	1.012
(11)	Projected Indemnity Cost Ratio = (9) x (10)	0.401	0.396
(12)	Factor to Reflect Proposed Changes in Indemnity Benefits (Appendix C)	1.000	1.000
(13)	Projected Indemnity Cost Ratio including Benefit Changes = (11) x (12)	0.401	0.396
Medical Benefit Cost:			
(14)	Limited Medical Losses Developed to Ultimate	$292,827,179	$276,836,887
(15)	Medical Loss On-level Factor (Appendix A-I)	1.000	1.000
(16)	Adjusted Limited Medical Losses = (14) x (15)	$292,827,179	$276,836,887
(17)	Adjusted Limited Medical Cost Ratio excluding Trend and Benefits = (16) / (3)	0.589	0.604
(18)	Factor to Reflect Medical Trend (Appendix A-III)	0.913	0.885
(19)	Projected Limited Medical Cost Ratio = (17) x (18)	0.538	0.535
(20)	Factor to Adjust Medical Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012	1.012
(21)	Projected Medical Cost Ratio = (19) x (20)	0.544	0.541
(22)	Factor to Reflect Proposed Changes in Medical Benefits (Appendix C)	1.000	1.000
(23)	Projected Medical Cost Ratio including Benefit Changes = (21) x (22)	0.544	0.541
Total Benefit Cost:			
(24)	Indicated Change Based on Experience, Trend, and Benefits = (13) + (23)	0.945	0.937
(25)	Average Indicated Change Based on Experience, Trend, and Benefits = Average of (24)		0.941
(26)	Effect of the Change in Loss-based Expenses (Exhibit II)		1.006
(27)	Overall Average Voluntary Loss Cost Level Change		0.947

Derivation of Test Correction Factor (TCF)
Industry Group 1

Iteration	TCF	Old Premium	New Premium	Premium Level Change	Reviewed Rate Level	Tolerance
1	1.0000	234,049,778	224,289,835	0.968	0.958299713	1.010122
2	1.5000	234,049,778	273,274,552	0.968	1.167591591	0.829057
3	1.2500	234,049,778	270,364,666	0.968	1.155158827	0.837980
4	1.1250	234,049,778	251,851,762	0.968	1.076060676	0.899578
5	1.0625	234,049,778	238,368,857	0.968	1.018453678	0.950461
6	1.0313	234,049,778	231,287,792	0.968	0.988199154	0.979560
7	1.0157	234,049,778	227,804,877	0.968	0.973318068	0.994536
8	1.0079	234,049,778	226,146,828	0.968	0.966233896	1.001828
9	1.0118	234,049,778	227,049,871	0.968	0.970092233	0.997843
10	1.0099	234,049,778	226,596,209	0.968	0.968153919	0.999841
11	1.0089	234,049,778	226,431,594	0.968	0.967450586	1.000568
12	1.0094	234,049,778	226,576,094	0.968	0.968067974	0.999930
13	1.0092	234,049,778	226,505,078	0.968	0.967764550	1.000243
14	**1.0093**	**234,049,778**	**226,563,134**	**0.968**	**0.968012599**	**0.999987**
15	1.0093	234,049,778	226,563,134	0.968	0.968012599	0.999987
16	1.0093	234,049,778	226,563,134	0.968	0.968012599	0.999987

Industry Group 2

Iteration	TCF	Old Premium	New Premium	Premium Level Change	Reviewed Rate Level	Tolerance
1	1.0000	208,618,130	194,715,410	0.938	0.933358045	1.004973
2	1.5000	208,618,130	237,455,357	0.938	1.138229727	0.824087
3	1.2500	208,618,130	235,478,945	0.938	1.128755898	0.831003
4	1.1250	208,618,130	219,001,877	0.938	1.049773942	0.893526
5	1.0625	208,618,130	206,963,483	0.938	0.992068535	0.945499
6	1.0313	208,618,130	200,752,003	0.938	0.962294135	0.974754
7	1.0157	208,618,130	197,792,956	0.938	0.948110098	0.989337
8	1.0079	208,618,130	196,347,336	0.938	0.941180596	0.996621
9	1.0040	208,618,130	195,651,663	0.938	0.937845926	1.000164
10	1.0060	208,618,130	195,965,813	0.938	0.939351786	0.998561
11	1.0050	208,618,130	195,867,732	0.938	0.938881641	0.999061
12	1.0045	208,618,130	195,758,640	0.938	0.938358715	0.999618
13	1.0043	208,618,130	195,752,131	0.938	0.938327511	0.999651
14	1.0042	208,618,130	195,744,991	0.938	0.938293286	0.999687
15	**1.0041**	**208,618,130**	**195,660,170**	**0.938**	**0.937886704**	**1.000121**
16	1.0042	208,618,130	195,744,991	0.938	0.938293286	0.999687

Industry Group 3

Iteration	TCF	Old Premium	New Premium	Premium Level Change	Reviewed Rate Level	Tolerance
1	1.0000	119,428,548	115,320,313	0.9320	0.965600890	0.965202
2	0.5000	119,428,548	90,119,929	0.9320	0.754592851	1.235103
3	0.7500	119,428,548	90,220,210	0.9320	0.755432524	1.233730
4	0.8750	119,428,548	101,565,498	0.9320	0.850428974	1.095918
5	0.9375	119,428,548	106,763,233	0.9320	0.893950687	1.042563
6	0.9688	119,428,548	109,341,789	0.9320	0.915541471	1.017977
7	0.9844	119,428,548	110,811,683	0.9320	0.927849201	1.004474
8	0.9922	119,428,548	114,915,570	0.9320	0.962211898	0.968602
9	0.9883	119,428,548	110,891,630	0.9320	0.928518614	1.003749
10	0.9903	119,428,548	114,105,787	0.9320	0.955431412	0.975476
11	0.9893	119,428,548	114,105,787	0.9320	0.955431412	0.975476
12	0.9888	119,428,548	110,896,414	0.9320	0.928558667	1.003706
13	**0.9891**	**119,428,548**	**110,896,414**	**0.9320**	**0.928558667**	**1.003706**
14	0.9892	119,428,548	114,105,787	0.9320	0.955431412	0.975476
15	0.9892	119,428,548	114,105,787	0.9320	0.955431412	0.975476
16	0.9892	119,428,548	114,105,787	0.9320	0.955431412	0.975476

Industry Group 4

Iteration	TCF	Old Premium	New Premium	Premium Level Change	Reviewed Rate Level	Tolerance
1	1.0000	324,470,765	308,260,066	0.9470	0.950039568	0.996801
2	0.5000	324,470,765	243,990,086	0.9470	0.751963233	1.259370
3	0.7500	324,470,765	244,419,096	0.9470	0.753285417	1.257160
4	0.8750	324,470,765	270,050,548	0.9470	0.832280061	1.137838
5	0.9375	324,470,765	289,348,938	0.9470	0.891756575	1.061949
6	0.9688	324,470,765	298,982,788	0.9470	0.921447537	1.027731
7	0.9844	324,470,765	303,461,619	0.9470	0.935251035	1.012562
8	0.9922	324,470,765	305,955,741	0.9470	0.942937773	1.004308
9	0.9961	324,470,765	307,152,246	0.9470	0.946625333	1.000396
10	0.9981	324,470,765	307,842,754	0.9470	0.948753439	0.998152
11	0.9971	324,470,765	307,631,893	0.9470	0.948103576	0.998836
12	0.9966	324,470,765	307,510,265	0.9470	0.947728725	0.999231
13	**0.9964**	**324,470,765**	**307,276,446**	**0.9470**	**0.947008110**	**0.999991**
14	0.9963	324,470,765	307,252,143	0.9470	0.946933210	1.000071
15	0.9964	324,470,765	307,276,446	0.9470	0.947008110	0.999991
16	0.9964	324,470,765	307,276,446	0.9470	0.947008110	0.999991

Industry Group 5

Iteration	TCF	Old Premium	New Premium	Premium Level Change	Reviewed Rate Level	Tolerance
1	1.0000	229,856,234	215,930,822	0.9460	0.939416861	1.007008
2	1.5000	229,856,234	264,080,393	0.9460	1.148893759	0.823401
3	1.2500	229,856,234	261,039,696	0.9460	1.135665069	0.832992
4	1.1250	229,856,234	242,786,569	0.9460	1.056254011	0.895618
5	1.0625	229,856,234	229,278,314	0.9460	0.997485734	0.948384
6	1.0313	229,856,234	222,637,505	0.9460	0.968594593	0.976673
7	1.0157	229,856,234	218,994,747	0.9460	0.952746606	0.992919
8	1.0079	229,856,234	217,540,977	0.9460	0.946421913	0.999554
9	1.0040	229,856,234	216,629,913	0.9460	0.942458290	1.003758
10	1.0060	229,856,234	217,021,650	0.9460	0.944162557	1.001946
11	1.0070	229,856,234	217,414,969	0.9460	0.945873710	1.000134
12	1.0075	229,856,234	217,515,740	0.9460	0.946312121	0.999670
13	**1.0073**	**229,856,234**	**217,436,574**	**0.9460**	**0.945967702**	**1.000034**
14	1.0074	229,856,234	217,514,790	0.9460	0.946307986	0.999675
15	1.0074	229,856,234	217,514,790	0.9460	0.946307986	0.999675
16	1.0074	229,856,234	217,514,790	0.9460	0.946307986	0.999675

Missouri

Note: Class codes discontinued in the proposed filing are not included in this exhibit.

An asterisk indicates non-standard exposure.

Class Code		Latest Policy Period Exposure	Current 01/01/2024 Voluntary Loss Cost	Proposed 01/01/2025 Voluntary Loss Cost	Proposed 01/01/2025 Voluntary Loss Cost Change	01/01/2024 Voluntary Loss Cost Change	01/01/2023 Voluntary Loss Cost Change
0005		248,877.68	2.19	2.12	-3.2%	-6.8%	-7.5%
0008		116,705.07	1.86	1.71	-8.1%	-3.1%	-9.9%
0016		25,960.35	3.02	2.77	-8.3%	-14.7%	-12.2%
0034		618,087.43	2.28	2.02	-11.4%	-3.8%	-4.8%
0035		644,153.12	1.48	1.45	-2.0%	-11.4%	-6.7%
0036		89,445.56	3.18	3.03	-4.7%	-20.5%	-15.4%
0037		904,149.50	2.76	2.60	-5.8%	-1.8%	-1.4%
0042		1,098,517.56	4.83	4.38	-9.3%	0.2%	-9.6%
0050		231,891.54	4.18	4.25	1.7%	-5.4%	2.1%
0059		-	N/A	N/A	N/A	N/A	-9.1%
0065		-	N/A	N/A	N/A	N/A	0.0%
0066		-	N/A	N/A	N/A	N/A	0.0%
0067		-	N/A	N/A	N/A	N/A	0.0%
0079		24,396.27	2.18	1.96	-10.1%	-15.5%	-13.1%
0083		1,081,669.24	3.40	3.11	-8.5%	-8.6%	-3.6%
0106		1,012,590.22	4.93	4.41	-10.5%	-10.0%	-7.4%
0113		17,972.55	3.53	3.23	-8.5%	-7.3%	-2.1%
0170		12,131.77	1.61	1.41	-12.4%	-11.5%	-6.7%
0251		9,398.96	2.74	2.51	-8.4%	-8.1%	-4.2%
0401		93,683.75	7.10	6.44	-9.3%	-14.7%	-6.4%
0771		-	0.39	0.37	-5.1%	-7.1%	-2.3%
0908	*	247.50	101.00	96.00	-5.0%	-3.8%	-5.4%
0913	*	301.80	362.00	348.00	-3.9%	-8.8%	-4.8%
0917		279,862.04	2.83	2.81	-0.7%	-8.4%	-4.6%
1005		4,188.51	4.10	3.83	-6.6%	-11.6%	-12.3%
1016		1,277.33	14.22	12.14	-14.6%	-9.6%	-0.1%
1164		1,020,260.22	3.80	3.75	-1.3%	-1.6%	4.0%
1165		16,639.69	2.02	2.07	2.5%	-11.0%	-8.1%
1320		30,561.27	1.19	1.11	-6.7%	-7.0%	-3.0%
1322		-	5.57	5.27	-5.4%	-7.6%	-4.3%
1430		4,501.09	4.09	4.01	-2.0%	-8.9%	-9.3%
1438		417,622.33	6.03	4.73	-21.6%	-27.0%	-26.0%
1452		110,457.15	2.19	2.03	-7.3%	-11.0%	-9.6%
1463		145,467.74	7.26	7.25	-0.1%	-4.0%	-3.2%
1472		286,993.38	2.60	2.57	-1.2%	-6.8%	-0.4%
1624		1,294,274.35	2.39	2.35	-1.7%	0.8%	-3.3%
1642		340,206.06	2.67	2.83	6.0%	-0.7%	3.1%
1654		26,618.33	3.13	3.37	7.7%	3.3%	-2.3%
1699		301,099.16	2.20	2.27	3.2%	-3.1%	2.7%

1701	920,326.80	2.37	2.19	-7.6%	-2.1%	-11.0%
1710	26,394.60	2.96	2.44	-17.6%	-6.0%	-4.0%
1747	89,103.09	2.56	2.71	5.9%	9.9%	13.7%
1748	-	4.50	4.22	-6.2%	-8.5%	-6.6%
1803	242,796.67	5.32	4.80	-9.8%	-16.7%	-8.5%
1924	141,113.46	2.27	2.31	1.8%	-7.3%	-9.9%
1925	471,661.88	2.24	2.32	3.6%	-14.5%	-14.4%
2002	231,791.34	2.81	2.76	-1.8%	-7.3%	0.3%
2003	1,176,668.49	2.94	2.71	-7.8%	-7.5%	-3.0%
2014	959,287.95	3.71	3.63	-2.2%	-9.3%	-4.4%
2016	411,263.59	2.17	2.23	2.8%	-6.1%	-9.4%
2021	103,782.77	2.26	2.13	-5.8%	-9.2%	-3.1%
2039	542,152.21	2.42	2.55	5.4%	-6.9%	4.8%
2041	70,486.07	2.20	2.09	-5.0%	-3.1%	-3.8%
2065	5,141.41	1.44	1.47	2.1%	-6.5%	-3.8%
2070	1,472,792.73	3.32	3.34	0.6%	-6.7%	0.8%
2081	48,722.28	4.00	3.68	-8.0%	-11.5%	0.4%
2089	2,462,459.87	2.10	2.05	-2.4%	-11.0%	-14.8%
2095	2,381,991.67	2.61	2.38	-8.8%	-8.7%	-10.1%
2105	12,646.96	3.41	3.27	-4.1%	-6.8%	-5.7%
2110	2,190.03	1.98	2.15	8.6%	10.6%	5.3%
2111	295,486.36	1.74	1.71	-1.7%	-2.2%	-1.7%
2112	1,408.48	3.21	3.08	-4.0%	-1.8%	-2.4%
2114	-	1.99	1.83	-8.0%	-11.9%	-10.0%
2121	1,070,616.37	0.96	0.98	2.1%	-2.0%	-14.8%
2130	172,624.49	1.63	1.63	0.0%	-3.0%	5.0%
2131	107,113.76	2.07	1.86	-10.1%	-2.8%	-0.9%
2143	220,449.00	1.69	1.61	-4.7%	-12.0%	-11.5%
2157	1,180,820.62	3.19	3.11	-2.5%	-12.8%	-15.1%
2172	-	1.31	1.38	5.3%	-1.5%	-2.9%
2174	216.13	2.47	2.50	1.2%	-5.0%	-3.7%
2211	7.50	6.28	6.28	0.0%	-10.0%	-10.4%
2220	13,453.47	1.94	1.91	-1.5%	-3.5%	-1.0%
2288	27,964.90	3.41	3.41	0.0%	-1.4%	-5.2%
2302	3.28	1.57	1.61	2.5%	-4.8%	-2.4%
2305	203,832.75	1.72	1.71	-0.6%	-8.5%	-7.8%
2361	2,749.85	1.48	1.57	6.1%	-3.3%	-4.4%
2362	9,743.94	2.03	1.94	-4.4%	0.0%	2.5%
2380	49,704.13	1.72	1.75	1.7%	2.4%	-9.7%
2388	191,463.51	1.11	1.16	4.5%	-12.6%	-7.3%
2402	2,061.72	1.95	1.73	-11.3%	-9.7%	-7.7%
2413	9,018.63	1.77	1.73	-2.3%	-14.1%	-11.2%
2416	-	2.07	1.96	-5.3%	-2.4%	7.1%
2417	27,103.72	1.23	1.11	-9.8%	-8.2%	-4.3%
2501	1,343,906.77	1.75	1.58	-9.7%	-12.9%	-9.0%
2503	14,259.35	0.94	0.89	-5.3%	-7.8%	-8.9%
2570	33,555.35	2.86	3.07	7.3%	-8.9%	-13.7%
2585	1,266,594.49	2.62	2.69	2.7%	-4.0%	-1.4%
2586	69,836.96	3.44	3.59	4.4%	12.8%	13.8%
2587	7,093.27	2.16	2.06	-4.6%	4.3%	5.6%
2589	158,330.18	1.66	1.72	3.6%	-7.3%	-5.3%
2600	-	3.78	3.59	-5.0%	-4.5%	-1.5%
2623	247,909.94	3.85	3.40	-11.7%	-12.3%	-13.1%

2651	64,863.41	1.29	1.20	-7.0%	-15.7%	-17.7%
2660	308,730.85	1.77	1.66	-6.2%	-16.9%	-15.8%
2688	123,606.44	1.94	1.89	-2.6%	-3.5%	-6.5%
2701	4,621.76	8.63	8.14	-5.7%	-6.8%	-0.9%
2702	22,314.71	12.59	12.69	0.8%	-14.2%	-1.0%
2709	4,606.86	9.02	7.79	-13.6%	-18.7%	-22.6%
2710	115,234.91	9.40	8.34	-11.3%	-12.6%	-6.6%
2714	1,367.69	3.60	3.59	-0.3%	-4.3%	-8.5%
2731	477,666.19	2.70	2.83	4.8%	-2.9%	-7.6%
2735	45,706.22	3.29	3.39	3.0%	-2.9%	-4.2%
2759	400,323.61	4.05	3.95	-2.5%	-13.6%	-10.3%
2790	34,426.25	1.65	1.61	-2.4%	-9.3%	-1.6%
2797	43,598.27	3.10	2.97	-4.2%	-17.6%	-16.4%
2799	37,485.68	4.30	4.68	8.8%	2.4%	-3.9%
2802	476,392.70	4.18	3.87	-7.4%	-2.8%	-5.9%
2835	14,082.63	1.96	1.81	-7.7%	-9.3%	0.5%
2836	3,874.22	2.10	1.96	-6.7%	-8.7%	-5.0%
2841	43,486.71	3.40	3.27	-3.8%	-4.2%	-7.3%
2881	191,114.12	2.38	2.24	-5.9%	-2.5%	-6.2%
2883	2,115,812.47	1.91	1.81	-5.2%	-15.1%	-8.5%
2915	6,073.40	2.24	2.23	-0.4%	-10.8%	-14.9%
2916	440.00	2.48	2.48	0.0%	-8.1%	-11.2%
2923	12,109.09	1.28	1.35	5.5%	-7.9%	-8.6%
2960	25,547.78	3.59	3.35	-6.7%	-9.3%	-7.3%
3004	8,092.34	1.08	1.08	0.0%	-9.2%	-14.4%
3018	44,942.82	2.58	2.56	-0.8%	-2.6%	-12.3%
3022	153,267.64	2.56	2.55	-0.4%	-5.5%	-4.9%
3027	2,834.44	1.71	1.92	12.3%	-6.6%	-9.9%
3028	308,179.16	3.28	3.16	-3.7%	1.2%	-4.7%
3030	1,307,391.26	3.80	3.72	-2.1%	-6.9%	-4.7%
3040	427,861.27	3.61	3.49	-3.3%	-6.0%	-9.2%
3041	23,989.28	2.90	2.83	-2.4%	-4.9%	-8.7%
3042	1,678.33	3.17	2.87	-9.5%	-14.8%	-13.1%
3064	188,424.38	2.91	2.69	-7.6%	-4.6%	-9.0%
3076	5,067,425.51	2.43	2.31	-4.9%	-9.3%	-1.1%
3081	140,964.95	3.04	3.22	5.9%	-8.7%	-13.3%
3082	44,596.43	3.72	3.87	4.0%	-6.1%	-7.0%
3085	1,156,414.70	3.66	3.87	5.7%	-5.7%	-10.6%
3110	67,411.63	3.09	3.07	-0.6%	-7.5%	-9.5%
3111	9,111.71	1.62	1.67	3.1%	-1.2%	-6.3%
3113	1,321,750.50	1.38	1.30	-5.8%	-11.0%	-2.5%
3114	58,467.47	2.20	2.04	-7.3%	-14.1%	-17.2%
3118	9,399.27	1.56	1.52	-2.6%	-4.3%	-8.4%
3119	12,014.99	1.03	0.97	-5.8%	-11.2%	-10.8%
3122	439.79	1.52	1.53	0.7%	-11.6%	-9.0%
3126	280,510.00	1.37	1.38	0.7%	-2.1%	7.7%
3131	15,786.43	1.23	1.15	-6.5%	-14.6%	-10.6%
3132	9,169.23	3.86	3.75	-2.8%	-4.7%	-6.5%
3145	113,200.61	1.75	1.75	0.0%	-3.8%	-8.5%
3146	432,010.30	1.70	1.72	1.2%	-9.1%	-4.1%
3169	137,691.83	1.75	1.85	5.7%	-6.9%	-13.4%
3179	2,417,069.38	1.53	1.43	-6.5%	-7.3%	-10.3%
3180	295,103.60	2.52	2.47	-2.0%	-6.3%	4.3%

3188	323,787.63	1.82	1.78	-2.2%	-7.1%	-2.0%
3220	380,326.23	1.57	1.47	-6.4%	-12.3%	-10.5%
3224	-	2.79	2.62	-6.1%	-7.9%	-3.8%
3227	276,325.81	2.31	2.03	-12.1%	-7.2%	-9.5%
3241	278,883.33	2.41	2.64	9.5%	5.7%	-1.7%
3255	-	2.07	2.05	-1.0%	-10.0%	0.4%
3257	397,858.59	1.99	2.10	5.5%	-1.0%	-7.4%
3270	156,285.21	2.43	2.19	-9.9%	-15.0%	-11.5%
3300	380,344.31	3.60	3.13	-13.1%	-14.3%	-5.8%
3303	373,948.13	2.09	2.42	15.8%	5.6%	7.0%
3307	83,231.63	1.88	1.85	-1.6%	-13.0%	-12.9%
3315	21,237.59	2.20	2.18	-0.9%	-7.2%	-6.0%
3334	-	1.62	1.63	0.6%	2.5%	-3.7%
3336	110,052.28	2.07	2.14	3.4%	-5.0%	-6.8%
3365	249,489.65	2.96	2.81	-5.1%	-2.6%	-4.7%
3372	200,396.59	2.15	2.15	0.0%	-7.7%	-12.4%
3373	112,434.83	4.21	4.24	0.7%	-4.8%	1.6%
3383	37,959.48	1.19	1.18	-0.8%	-6.3%	-7.3%
3385	8,126.61	0.82	0.80	-2.4%	-4.7%	0.0%
3400	1,479,507.81	3.08	2.98	-3.2%	-13.5%	-10.6%
3507	1,290,621.21	2.13	2.04	-4.2%	-5.3%	-3.8%
3515	8,549.01	1.76	1.62	-8.0%	-12.9%	-13.3%
3548	117,191.06	1.27	1.18	-7.1%	-8.6%	-0.7%
3559	88,657.72	1.65	1.47	-10.9%	-13.6%	-9.9%
3574	1,718,789.97	1.67	1.31	-21.6%	-16.9%	-7.8%
3581	125,169.22	1.04	0.94	-9.6%	-6.3%	-1.8%
3612	1,296,039.58	1.61	1.58	-1.9%	-3.6%	-9.2%
3620	754,367.20	2.65	2.40	-9.4%	-6.4%	-13.7%
3629	1,114,184.77	1.27	1.25	-1.6%	-4.5%	-4.3%
3632	4,476,194.98	2.31	2.17	-6.1%	-2.5%	-7.8%
3634	642,393.44	1.19	1.22	2.5%	-8.5%	-7.1%
3635	95,566.80	1.37	1.32	-3.6%	-13.8%	-11.2%
3638	168,135.93	1.89	1.67	-11.6%	-8.7%	-3.7%
3642	-	1.17	1.11	-5.1%	0.9%	4.5%
3643	2,697,140.12	2.37	2.15	-9.3%	-9.2%	-5.1%
3647	1,686,920.97	2.42	2.50	3.3%	-5.5%	-2.3%
3648	105,389.10	1.04	0.99	-4.8%	-13.3%	-13.7%
3681	3,677,942.56	0.51	0.47	-7.8%	-10.5%	-8.1%
3685	1,671,634.09	0.75	0.74	-1.3%	-11.8%	-11.5%
3719	47,309.48	0.60	0.59	-1.7%	-7.7%	-14.5%
3724	3,832,465.78	3.04	2.72	-10.5%	-3.2%	0.3%
3726	235,756.00	2.36	2.21	-6.4%	-18.9%	-8.2%
3803	142,742.64	1.93	2.10	8.8%	-0.5%	-11.0%
3807	265,315.30	1.60	1.68	5.0%	-8.6%	-14.6%
3808	389,822.24	3.10	3.17	2.3%	-2.8%	-5.9%
3821	275,937.20	3.96	3.80	-4.0%	-3.9%	-1.0%
3822	14,916.04	2.96	3.02	2.0%	-4.2%	-4.6%
3824	1,125,869.73	2.80	2.76	-1.4%	-6.0%	-4.2%
3826	165,685.85	0.75	0.70	-6.7%	-8.5%	-9.9%
3827	3,496.58	1.57	1.49	-5.1%	-11.8%	-15.2%
3830	8,195,294.09	0.65	0.68	4.6%	-3.0%	0.0%
3851	6,739.99	1.57	1.54	-1.9%	-12.8%	-11.8%
3865	35,466.40	2.69	2.47	-8.2%	-8.2%	8.1%

3881	284,091.66	2.83	2.62	-7.4%	-5.7%	-7.4%
4000	162,802.03	2.93	2.74	-6.5%	-10.9%	-6.0%
4018	164,153.42	4.07	3.78	-7.1%	-14.7%	-6.7%
4021	318.93	3.56	3.29	-7.6%	-11.0%	-13.4%
4034	489,418.69	5.49	5.38	-2.0%	-3.3%	-3.2%
4036	48,739.62	2.01	2.00	-0.5%	-2.9%	-6.8%
4038	14,081.62	2.89	2.70	-6.6%	-6.5%	-6.1%
4062	22,058.39	1.98	1.78	-10.1%	-6.6%	-11.3%
4101	83,769.36	1.90	2.17	14.2%	3.3%	-5.6%
4109	135,826.54	0.53	0.52	-1.9%	0.0%	1.9%
4110	30,375.77	0.79	0.73	-7.6%	-12.2%	-11.8%
4111	4,915.26	1.57	1.62	3.2%	-7.6%	2.4%
4114	246,550.00	2.13	2.04	-4.2%	-11.3%	-12.1%
4130	279,354.79	2.84	3.02	6.3%	5.2%	-2.9%
4131	-	4.02	4.13	2.7%	2.8%	-5.3%
4133	2,027.87	2.00	2.11	5.5%	-1.0%	4.7%
4149	166,804.49	0.70	0.70	0.0%	1.4%	-2.8%
4206	11,873.29	2.53	2.46	-2.8%	2.4%	-0.8%
4207	100.10	1.72	1.75	1.7%	-9.0%	-4.1%
4239	127,869.13	1.58	1.57	-0.6%	-10.7%	-4.3%
4240	71,291.16	2.15	1.96	-8.8%	-14.7%	-13.1%
4243	1,019,206.84	1.69	1.71	1.2%	-8.2%	-5.6%
4244	1,478,280.89	2.17	2.19	0.9%	-3.6%	-5.9%
4250	119,855.32	1.74	1.75	0.6%	-1.7%	4.7%
4251	104,826.46	3.15	2.80	-11.1%	-8.2%	0.6%
4263	42,576.34	3.71	4.04	8.9%	12.8%	0.9%
4273	653,037.35	1.84	1.75	-4.9%	-7.1%	-6.6%
4279	402,381.25	2.65	2.66	0.4%	3.9%	9.4%
4283	262,003.97	1.36	1.34	-1.5%	9.7%	3.3%
4299	2,565,539.56	1.63	1.48	-9.2%	-9.4%	-5.3%
4304	143,401.53	3.75	3.67	-2.1%	-8.5%	-6.8%
4307	95,853.95	1.70	1.83	7.6%	-1.7%	-0.6%
4351	56,545.38	0.92	0.87	-5.4%	-5.2%	5.4%
4352	38,259.02	1.27	1.21	-4.7%	-6.6%	-8.7%
4361	675,336.59	0.54	0.50	-7.4%	-6.9%	-4.9%
4410	1,347,191.16	2.51	2.41	-4.0%	-8.7%	-3.5%
4420	14,080.42	2.55	2.34	-8.2%	-12.1%	-17.1%
4431	13,689.70	0.92	0.85	-7.6%	-14.0%	-8.5%
4432	12,872.75	1.01	1.07	5.9%	-3.8%	-4.5%
4452	912,856.17	1.95	1.89	-3.1%	-6.3%	-8.4%
4459	1,539,479.29	1.91	1.81	-5.2%	-1.0%	-9.8%
4470	161,188.76	1.93	1.80	-6.7%	-4.0%	-1.5%
4484	5,603,909.30	2.14	2.10	-1.9%	-5.7%	-5.8%
4493	10,754.25	1.96	1.73	-11.7%	-16.9%	-17.8%
4511	4,310,478.38	0.28	0.27	-3.6%	-12.5%	-11.1%
4557	276,774.40	1.95	1.91	-2.1%	-12.6%	0.5%
4558	494,271.41	1.32	1.39	5.3%	-6.4%	-9.0%
4568	10,610.29	2.45	2.31	-5.7%	-7.9%	-6.3%
4581	16,532.89	1.09	0.96	-11.9%	-16.8%	-16.0%
4583	459,781.93	3.85	3.97	3.1%	-4.9%	-4.0%
4611	3,278,743.06	0.81	0.78	-3.7%	-12.9%	-8.8%
4635	467,562.73	1.89	1.85	-2.1%	-8.3%	-13.8%
4653	4,458.79	1.61	1.62	0.6%	4.5%	6.2%

4665	12,646.70	6.09	6.00	-1.5%	-4.2%	-7.7%
4683	58,650.98	3.86	4.20	8.8%	6.9%	9.1%
4686	162,764.14	1.57	1.66	5.7%	-4.8%	-12.7%
4692	353,932.96	0.66	0.64	-3.0%	-9.6%	-6.4%
4693	134,597.63	0.96	0.96	0.0%	-2.0%	6.5%
4703	351,675.50	1.56	1.52	-2.6%	-2.5%	-9.1%
4717	93,141.95	1.81	1.76	-2.8%	-6.7%	1.0%
4720	1,088,810.67	1.94	1.90	-2.1%	-2.5%	0.0%
4740	110,482.33	0.90	0.79	-12.2%	2.3%	-8.3%
4741	100,385.94	2.23	2.37	6.3%	0.0%	2.8%
4751	4,647.57	2.19	2.19	0.0%	-6.0%	9.9%
4771	352,872.96	2.19	2.08	-5.0%	-7.2%	-4.1%
4777	64,938.06	3.61	3.59	-0.6%	5.2%	5.2%
4825	2,728,959.17	0.63	0.70	11.1%	-4.5%	-1.5%
4828	1,588,454.90	1.60	1.62	1.3%	-9.6%	-1.1%
4829	3,153,814.33	0.86	0.88	2.3%	-7.5%	-4.1%
4902	80,332.45	1.63	1.55	-4.9%	-10.4%	-15.3%
4923	2,252.91	1.00	1.04	4.0%	7.5%	0.0%
5020	88,851.95	2.99	2.72	-9.0%	-7.4%	-8.8%
5022	1,418,240.76	4.69	4.31	-8.1%	-8.9%	-8.8%
5037	23,718.28	6.41	6.38	-0.5%	-4.5%	-16.9%
5040	143,207.20	6.12	5.31	-13.2%	-16.3%	-10.9%
5057	288,750.00	3.10	2.98	-3.9%	-17.1%	-12.4%
5059	74,663.39	15.04	13.53	-10.0%	-10.3%	-8.8%
5102	617,423.84	4.07	3.91	-3.9%	-7.7%	-5.8%
5146	378,173.02	3.11	2.98	-4.2%	-9.3%	-13.6%
5160	568,254.49	1.43	1.39	-2.8%	-4.0%	-9.1%
5183	5,779,537.26	2.32	2.16	-6.9%	2.2%	-7.7%
5188	750,785.65	2.11	2.04	-3.3%	-1.9%	-7.3%
5190	7,098,661.33	1.78	1.73	-2.8%	-11.9%	-8.6%
5191	4,039,790.66	0.67	0.66	-1.5%	-2.9%	-1.4%
5192	738,661.19	2.37	2.32	-2.1%	1.3%	-5.6%
5213	1,716,468.54	3.82	3.43	-10.2%	-9.0%	-9.7%
5215	707,245.99	3.88	3.71	-4.4%	-9.1%	-4.5%
5221	3,854,375.17	3.22	2.92	-9.3%	-8.8%	-6.9%
5222	285,346.13	5.09	4.66	-8.4%	-3.4%	-15.4%
5223	280,995.02	2.85	2.54	-10.9%	-13.4%	-19.4%
5348	747,566.92	2.71	2.49	-8.1%	-7.5%	-6.1%
5402	10,955.02	3.71	3.61	-2.7%	-3.1%	-13.9%
5403	3,768,707.82	3.19	3.10	-2.8%	-15.6%	-15.8%
5437	1,606,637.81	3.74	3.40	-9.1%	-3.6%	-3.2%
5443	1,379.61	2.05	1.96	-4.4%	-6.0%	-13.5%
5445	2,180,414.31	3.06	3.01	-1.6%	-2.2%	-8.7%
5462	425,351.82	3.39	3.36	-0.9%	-4.2%	-8.8%
5472	52,080.38	5.05	4.97	-1.6%	0.6%	5.7%
5473	127,255.17	5.44	5.06	-7.0%	-8.9%	-6.0%
5474	2,433,566.42	3.99	3.67	-8.0%	-6.6%	-5.3%
5478	755,660.38	3.10	2.81	-9.4%	-8.3%	-11.1%
5479	224,022.00	4.81	4.18	-13.1%	-12.5%	-5.3%
5480	46,967.86	4.62	4.64	0.4%	5.7%	-4.6%
5491	28,504.45	1.55	1.76	13.5%	11.5%	-4.8%
5506	2,544,502.53	3.78	3.61	-4.5%	-0.5%	-11.4%
5507	273,082.48	2.64	2.72	3.0%	-6.7%	-9.9%

5535	1,534,522.78	4.57	4.27	-6.6%	-6.2%	-2.4%
5537	4,756,879.04	2.55	2.50	-2.0%	-10.5%	-10.7%
5551	943,482.92	10.56	10.52	-0.4%	-1.9%	-9.6%
5606	8,223,703.88	0.93	0.83	-10.8%	-6.1%	-6.6%
5610	168,288.89	3.24	2.97	-8.3%	-5.0%	-6.1%
5645	2,850,404.30	6.76	5.98	-11.5%	-9.9%	-10.7%
5703	896.19	12.05	10.23	-15.1%	-4.3%	-1.9%
5705	1,453.90	13.32	11.52	-13.5%	-12.5%	-12.7%
5951	641,337.95	0.46	0.45	-2.2%	4.5%	10.0%
6003	30,660.20	4.01	3.67	-8.5%	-6.7%	-5.5%
6005	14,492.21	3.25	2.84	-12.6%	-10.0%	-7.7%
6045	25,446.83	3.05	2.56	-16.1%	-10.0%	-1.5%
6204	191,378.35	5.08	4.42	-13.0%	-9.9%	-7.1%
6206	199.16	1.73	1.68	-2.9%	-6.5%	-9.8%
6213	2,977.15	1.37	1.53	11.7%	3.8%	7.3%
6214	-	1.11	1.05	-5.4%	-6.7%	-12.5%
6216	8,552.06	3.09	2.74	-11.3%	-11.2%	-7.7%
6217	3,291,413.56	2.51	2.41	-4.0%	-7.0%	-1.1%
6229	154,269.39	3.40	3.10	-8.8%	-10.5%	-8.0%
6233	198,504.01	1.57	1.46	-7.0%	-11.3%	-12.8%
6235	1,898.06	3.62	3.32	-8.3%	-10.8%	-14.3%
6236	-	3.59	3.31	-7.8%	-11.1%	-11.6%
6237	898.99	1.00	0.97	-3.0%	-1.0%	-4.7%
6251	54,768.66	2.41	2.70	12.0%	-12.0%	0.4%
6252	11,354.35	2.95	3.11	5.4%	1.0%	0.3%
6306	564,662.28	3.59	3.17	-11.7%	-8.4%	-6.7%
6319	931,410.63	2.14	1.88	-12.1%	-17.7%	-16.1%
6325	1,086,249.10	2.23	2.13	-4.5%	-7.5%	-9.1%
6400	324,507.25	3.60	3.06	-15.0%	-15.9%	-8.0%
6503	75,138.21	1.66	1.73	4.2%	-5.1%	-8.9%
6504	6,310,332.98	1.76	1.68	-4.5%	-5.4%	-8.8%
6702	-	2.71	2.64	-2.6%	-8.1%	-6.9%
6703	-	4.89	4.71	-3.7%	-8.9%	-6.9%
6704	-	3.01	2.93	-2.7%	-8.2%	-6.8%
6824	473.20	4.44	3.84	-13.5%	-8.1%	-9.4%
6825	244,480.34	1.33	1.30	-2.3%	-19.9%	-19.8%
6826	536.64	2.50	2.00	-20.0%	-8.1%	-13.7%
6834	1,317,129.88	1.71	1.61	-5.8%	-8.1%	-14.7%
6835	-	2.17	2.07	-4.6%	-6.5%	-3.7%
6836	237,576.94	2.17	1.96	-9.7%	-11.1%	-12.9%
6872	314.67	4.76	4.74	-0.4%	-18.5%	-20.0%
6874	-	7.50	6.00	-20.0%	-20.0%	-20.0%
6882	2,925.30	2.30	2.07	-10.0%	-11.5%	-7.5%
6884	-	3.84	3.54	-7.8%	-9.4%	-6.0%
7016	-	2.11	2.05	-2.8%	-2.8%	-11.4%
7024	1,156.19	2.34	2.28	-2.6%	-2.9%	-11.4%
7038	-	3.91	3.67	-6.1%	-5.6%	-4.6%
7046	-	7.64	7.33	-4.1%	-7.3%	-5.8%
7047	-	3.80	3.67	-3.4%	-3.8%	-11.4%
7050	-	7.04	6.56	-6.8%	-6.5%	-4.7%
7090	944.12	4.34	4.08	-6.0%	-5.7%	-4.6%
7098	10.00	8.49	8.14	-4.1%	-7.2%	-5.9%
7099	-	13.78	13.09	-5.0%	-8.1%	-5.8%

7133	27,680.01	2.11	1.85	-12.3%	-8.7%	-9.8%
7151	-	2.56	2.25	-12.1%	-8.9%	-9.6%
7152	-	4.62	4.02	-13.0%	-9.6%	-9.7%
7153	-	2.85	2.50	-12.3%	-8.7%	-9.8%
7219	16,275,456.97	4.87	4.60	-5.5%	-8.6%	-6.5%
7222	408.30	4.98	4.68	-6.0%	-8.6%	-4.0%
7225	464,959.64	6.41	5.60	-12.6%	-10.0%	-7.3%
7230	87,565.55	4.98	4.84	-2.8%	-10.1%	-7.7%
7231	2,630,223.16	6.70	5.65	-15.7%	-1.6%	4.8%
7232	267,304.48	6.39	6.23	-2.5%	-5.1%	-2.0%
7309	19,416.73	4.72	4.74	0.4%	-19.9%	-20.0%
7313	-	1.87	2.09	11.8%	-10.1%	-20.0%
7317	21,581.80	4.10	3.28	-20.0%	-19.9%	-20.0%
7327	-	9.59	7.68	-19.9%	-19.9%	-20.0%
7333	-	1.77	1.64	-7.3%	-8.8%	-4.4%
7335	1,470.07	1.97	1.82	-7.6%	-8.4%	-4.9%
7337	-	3.20	2.93	-8.4%	-9.1%	-4.9%
7350	3,731.86	4.85	4.07	-16.1%	-20.0%	-19.9%
7360	604,363.55	3.29	3.39	3.0%	-0.6%	-0.9%
7370	166,243.09	3.42	3.41	-0.3%	-2.8%	-2.8%
7380	6,414,096.23	4.51	4.31	-4.4%	-4.7%	1.9%
7382	1,653,537.92	4.11	3.95	-3.9%	-2.8%	3.7%
7390	520,801.74	3.86	3.68	-4.7%	-4.5%	-4.0%
7394	-	3.19	3.11	-2.5%	-6.5%	-4.2%
7395	-	3.54	3.46	-2.3%	-6.6%	-4.1%
7398	-	5.75	5.56	-3.3%	-7.4%	-4.0%
7402	9,553.61	0.08	0.07	-12.5%	-11.1%	0.0%
7403	2,283,687.60	3.02	3.10	2.6%	-5.9%	-9.8%
7405	164,852.33	0.95	0.83	-12.6%	-9.5%	-2.8%
7420	17,392.90	5.34	5.94	11.2%	5.3%	-6.3%
7421	430,862.46	0.44	0.37	-15.9%	-10.2%	-12.5%
7422	200,116.28	0.91	0.78	-14.3%	-16.5%	-11.4%
7425	354,817.60	1.10	1.10	0.0%	-14.1%	-14.1%
7431	416,502.21	0.63	0.56	-11.1%	-19.2%	-12.4%
7445	-	0.51	0.45	-11.8%	-10.5%	-1.7%
7453	-	0.34	0.30	-11.8%	-19.0%	-12.5%
7502	147,823.21	1.16	1.29	11.2%	-12.1%	-12.0%
7515	363,449.36	0.75	0.66	-12.0%	-5.1%	-8.1%
7520	1,259,870.87	2.04	1.84	-9.8%	-8.9%	-7.4%
7538	2,011,525.95	2.33	1.94	-16.7%	-28.1%	-20.6%
7539	727,272.10	1.16	1.11	-4.3%	-14.1%	-11.8%
7540	2,540.72	2.11	1.99	-5.7%	-7.0%	-1.7%
7580	427,110.13	1.87	1.73	-7.5%	-12.2%	-1.8%
7590	113,273.17	2.34	2.35	0.4%	-4.5%	-0.8%
7600	3,437,353.88	2.66	2.69	1.1%	-7.3%	-6.5%
7605	1,242,068.11	1.52	1.41	-7.2%	-0.7%	-0.6%
7610	3,208,688.74	0.33	0.33	0.0%	-8.3%	-7.7%
7705	1,569,925.39	3.09	3.06	-1.0%	-2.5%	-3.6%
7710	2,001,418.30	3.96	3.94	-0.5%	1.3%	-3.0%
7711	153,748.71	3.96	3.94	-0.5%	1.3%	-3.0%
7720	5,224,712.55	2.38	2.30	-3.4%	-2.9%	-2.0%
7855	366,537.06	2.42	2.34	-3.3%	-8.3%	-7.0%
8001	444,924.49	1.50	1.44	-4.0%	-10.2%	-4.0%

8002	757,785.13	1.47	1.40	-4.8%	-8.7%	-5.8%
8006	4,465,042.24	1.27	1.17	-7.9%	-8.0%	-9.8%
8008	4,206,818.56	0.74	0.67	-9.5%	-8.6%	-4.7%
8010	3,765,203.68	1.49	1.56	4.7%	-3.2%	-3.8%
8013	1,771,503.57	0.26	0.23	-11.5%	-13.3%	-6.3%
8015	472,577.31	0.51	0.52	2.0%	-3.8%	-10.2%
8017	10,648,377.81	1.00	1.01	1.0%	-2.9%	-10.4%
8018	10,806,291.72	1.92	1.90	-1.0%	-7.2%	-8.0%
8021	513,018.37	2.02	2.04	1.0%	-6.9%	-4.8%
8031	253,691.15	1.50	1.36	-9.3%	-12.8%	-9.0%
8032	344,124.67	1.27	1.20	-5.5%	-15.3%	-9.6%
8033	5,497,197.90	1.21	1.12	-7.4%	-10.4%	-4.3%
8034	296,946.27	1.63	1.64	0.6%	-5.2%	-7.0%
8037	11,767,238.27	1.40	1.32	-5.7%	-7.3%	-4.4%
8039	1,065,726.94	1.19	1.19	0.0%	-2.5%	1.7%
8044	1,987,009.34	1.65	1.53	-7.3%	-6.3%	-6.4%
8045	5,415,500.20	0.47	0.47	0.0%	0.0%	0.0%
8046	2,977,424.64	1.91	1.91	0.0%	-3.0%	-3.4%
8047	917,918.52	0.65	0.65	0.0%	6.6%	-10.3%
8058	2,662,658.73	1.92	1.76	-8.3%	-11.9%	-6.4%
8061	2,079,145.44	1.24	1.19	-4.0%	-5.3%	-9.7%
8072	212,140.30	0.47	0.44	-6.4%	6.8%	2.3%
8102	356,593.37	1.52	1.45	-4.6%	-3.8%	-9.7%
8103	30,540.23	2.05	1.84	-10.2%	-10.5%	-5.0%
8106	610,559.34	3.51	3.04	-13.4%	-11.4%	-8.3%
8107	2,664,183.25	2.14	2.05	-4.2%	-0.5%	0.5%
8111	824,572.20	1.53	1.43	-6.5%	-3.8%	6.0%
8116	1,186,063.93	1.81	1.76	-2.8%	-5.2%	-4.5%
8203	72,189.41	6.02	5.71	-5.1%	-4.0%	12.6%
8204	58,079.65	2.67	2.39	-10.5%	-5.7%	-6.0%
8209	1,758.14	2.72	2.71	-0.4%	-7.8%	-9.0%
8215	1,374,110.63	2.74	2.59	-5.5%	-4.2%	-12.8%
8227	1,433,453.38	2.74	2.85	4.0%	-2.1%	-0.4%
8232	4,030,879.91	4.46	4.19	-6.1%	-1.1%	-4.4%
8233	-	1.94	2.07	6.7%	12.1%	-1.7%
8235	159,485.57	3.08	2.99	-2.9%	-3.8%	-0.6%
8263	79,412.16	4.41	4.43	0.5%	0.0%	-2.6%
8264	282,061.35	3.45	3.28	-4.9%	-7.3%	-6.8%
8265	401,080.52	3.15	3.26	3.5%	-12.5%	-3.5%
8279	62,125.60	4.93	4.68	-5.1%	1.9%	-1.6%
8288	159,625.80	5.32	4.76	-10.5%	-7.8%	-6.3%
8291	355,964.88	2.35	2.26	-3.8%	-6.7%	-10.0%
8292	2,097,181.35	2.63	2.38	-9.5%	-12.6%	-6.8%
8293	726,412.17	4.53	4.17	-7.9%	-14.5%	-11.8%
8304	339,822.48	3.97	3.90	-1.8%	-2.9%	-1.7%
8350	1,103,129.85	4.50	4.48	-0.4%	-3.2%	0.0%
8353	312,618.75	3.01	3.18	5.6%	-2.6%	-4.6%
8370	642,279.13	3.24	3.07	-5.2%	-9.7%	3.8%
8381	256,971.43	1.42	1.43	0.7%	-10.1%	-16.0%
8385	613,813.56	1.65	1.55	-6.1%	-7.8%	-1.6%
8387	3,072,129.73	1.88	1.79	-4.8%	-10.9%	-2.3%
8391	10,729,265.15	1.64	1.58	-3.7%	-6.8%	-5.9%
8392	370,507.38	1.65	1.53	-7.3%	-1.2%	-8.2%

8393	2,607,863.42	1.19	1.14	-4.2%	-0.8%	-7.7%
8500	110,918.20	3.63	3.32	-8.5%	-11.7%	-4.4%
8601	14,269,031.95	0.17	0.16	-5.9%	-15.0%	-9.1%
8602	316,762.13	0.94	0.91	-3.2%	-10.5%	5.0%
8603	6,856,078.45	0.05	0.05	0.0%	-16.7%	0.0%
8606	13,807.55	1.18	1.06	-10.2%	-11.3%	-8.9%
8709	2,179.07	2.12	1.70	-19.8%	-19.7%	-20.0%
8719	1,508.51	1.35	1.20	-11.1%	-10.6%	-5.6%
8720	3,149,432.81	0.74	0.68	-8.1%	-12.9%	-12.4%
8721	496,462.70	0.20	0.18	-10.0%	-13.0%	-8.0%
8723	32,518,271.10	0.08	0.07	-12.5%	-11.1%	-18.2%
8725	77,494.68	1.32	1.30	-1.5%	-10.2%	-13.5%
8726	403.85	0.99	0.80	-19.2%	-15.4%	-19.9%
8728	671,111.16	0.37	0.34	-8.1%	-7.5%	-4.8%
8734	-	0.24	0.23	-4.2%	-11.1%	-15.6%
8737	-	0.22	0.21	-4.5%	-8.3%	-17.2%
8738	-	0.39	0.37	-5.1%	-11.4%	-17.0%
8742	73,208,577.41	0.18	0.17	-5.6%	-10.0%	-16.7%
8745	15,088.96	2.75	2.66	-3.3%	-1.4%	-3.8%
8748	4,975,398.27	0.40	0.35	-12.5%	-11.1%	-6.3%
8755	685,498.61	0.23	0.20	-13.0%	-11.5%	-7.1%
8799	235,789.54	0.37	0.41	10.8%	2.8%	0.0%
8800	510,816.10	1.08	1.09	0.9%	-2.7%	2.8%
8803	19,974,263.98	0.04	0.03	-25.0%	-20.0%	0.0%
8805	-	0.12	0.11	-8.3%	-14.3%	-6.7%
8810	320,937,296.64	0.09	0.08	-11.1%	-10.0%	-9.1%
8814	-	0.11	0.10	-9.1%	-8.3%	-7.7%
8815	-	0.20	0.17	-15.0%	-9.1%	-8.3%
8820	15,705,849.93	0.08	0.08	0.0%	-11.1%	-10.0%
8824	8,493,704.13	1.46	1.32	-9.6%	-8.8%	-4.2%
8826	3,843,527.17	1.27	1.15	-9.4%	-18.1%	-11.9%
8831	4,115,727.98	0.84	0.80	-4.8%	-7.7%	-8.1%
8832	52,286,501.66	0.19	0.18	-5.3%	-13.6%	10.0%
8833	29,110,161.93	0.79	0.76	-3.8%	-12.2%	-6.3%
8835	8,096,903.19	1.53	1.35	-11.8%	-5.0%	-3.6%
8855	42,572,768.27	0.09	0.08	-11.1%	-18.2%	-15.4%
8856	268,612.49	0.34	0.33	-2.9%	-12.8%	-2.5%
8861	7,769,780.71	0.88	0.78	-11.4%	-11.1%	-9.2%
8868	37,989,145.64	0.31	0.30	-3.2%	-6.1%	-8.3%
8869	4,407,434.12	0.68	0.67	-1.5%	-9.3%	-9.6%
8871	26,433,036.41	0.04	0.03	-25.0%	-20.0%	-16.7%
8901	12,544,476.57	0.09	0.08	-11.1%	-30.8%	-13.3%
9012	7,677,942.30	0.52	0.49	-5.8%	-7.1%	-13.8%
9014	6,105,174.30	1.63	1.42	-12.9%	-13.8%	-10.4%
9015	4,868,381.36	2.35	2.10	-10.6%	-6.0%	-4.6%
9016	683,659.06	1.93	1.74	-9.8%	-17.2%	-7.9%
9019	3,819.22	1.93	1.87	-3.1%	-2.0%	7.7%
9033	337,040.22	1.43	1.36	-4.9%	-9.5%	-0.6%
9040	1,307,020.45	3.01	2.78	-7.6%	-5.3%	3.6%
9044	2,136,389.97	0.80	0.79	-1.3%	-1.2%	-2.4%
9052	5,224,025.52	1.26	1.19	-5.6%	-11.3%	-6.0%
9058	1,113,365.09	1.15	1.07	-7.0%	-9.4%	-3.8%
9060	1,752,988.80	1.06	1.02	-3.8%	-3.6%	0.0%

9061	374,156.86	0.96	0.88	-8.3%	-5.0%	-7.3%
9062	80,344.69	0.96	0.97	1.0%	-10.3%	-0.9%
9063	2,842,500.36	0.58	0.55	-5.2%	-7.9%	-7.4%
9077	-	3.78	3.55	-6.1%	8.3%	19.9%
9082	18,683,270.55	0.92	0.87	-5.4%	-6.1%	-4.9%
9083	16,364,754.50	0.80	0.78	-2.5%	-5.9%	-7.6%
9084	1,080,249.91	0.93	0.89	-4.3%	-7.0%	-7.4%
9089	433.39	0.68	0.66	-2.9%	-8.1%	-9.8%
9093	255,390.30	0.86	0.81	-5.8%	-5.5%	-10.8%
9101	2,711,500.12	2.27	2.24	-1.3%	-14.3%	-9.6%
9102	3,551,575.55	1.90	1.67	-12.1%	-13.2%	-3.1%
9110	1,514,028.73	2.42	2.33	-3.7%	3.9%	-1.7%
9154	1,135,251.80	1.29	1.13	-12.4%	-9.2%	0.0%
9156	478,337.44	1.44	1.49	3.5%	-14.8%	-15.5%
9170	51,382.25	9.32	8.58	-7.9%	-9.5%	2.5%
9178	128,998.49	7.57	6.82	-9.9%	-12.2%	-9.1%
9179	95,025.10	13.84	12.88	-6.9%	-7.5%	-6.7%
9180	259,398.79	3.47	3.42	-1.4%	-5.7%	-0.3%
9182	643,547.22	1.64	1.51	-7.9%	-8.9%	4.7%
9186	30,733.41	7.12	5.98	-16.0%	-24.0%	-13.6%
9220	189,153.21	3.23	2.96	-8.4%	-4.7%	1.8%
9402	619,638.48	3.47	3.01	-13.3%	-8.9%	-4.3%
9403	1,937,116.88	5.55	5.45	-1.8%	-2.6%	-7.0%
9410	303,166.16	2.47	2.25	-8.9%	-3.1%	-1.9%
9501	346,761.13	2.31	2.33	0.9%	-9.1%	-8.6%
9505	128,134.17	2.38	2.20	-7.6%	-13.8%	-14.8%
9516	544,195.36	1.57	1.46	-7.0%	-11.8%	-14.0%
9519	624,596.27	2.64	2.57	-2.7%	-7.4%	-4.7%
9521	293,847.30	2.81	2.59	-7.8%	-7.9%	-2.2%
9522	649,925.70	5.57	5.41	-2.9%	3.1%	13.9%
9534	244,293.95	3.06	2.98	-2.6%	-9.5%	-9.6%
9554	190,737.00	4.75	4.59	-3.4%	-13.3%	-17.5%
9586	1,750,661.82	0.38	0.36	-5.3%	-9.5%	-2.3%
9600	4,169.56	2.29	2.09	-8.7%	-10.9%	-10.5%
9620	682,832.79	1.05	1.03	-1.9%	6.1%	-10.0%
TOTAL				-5.3%	-7.6%	-6.5%

Appendix B – Proposed and Current Loss Costs by Class Code

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
8810	0.11	0.11	0.11	0.10	0.09	0.08	0.0%	0.0%	-9.1%	-10.0%	-11.1%	0.13	33.33%	11.1%	320,937,297
8742	0.24	0.25	0.24	0.20	0.18	0.17	4.2%	-4.0%	-16.7%	-10.0%	-5.6%	0.16	46.75%	20.8%	73,208,577
8832	0.23	0.23	0.20	0.22	0.19	0.18	0.0%	-13.0%	10.0%	-13.6%	-5.3%	0.10	48.74%	23.6%	52,286,502
8855	0.14	0.14	0.13	0.11	0.09	0.08	0.0%	-7.1%	-15.4%	-18.2%	-11.1%	0.23	62.34%	18.2%	42,572,768
8868	0.38	0.39	0.36	0.33	0.31	0.30	2.6%	-7.7%	-8.3%	-6.1%	-3.2%	0.11	31.09%	11.0%	37,989,146
8723	0.14	0.14	0.11	0.09	0.08	0.07	0.0%	-21.4%	-18.2%	-11.1%	-12.5%	0.29	79.38%	21.4%	32,518,271
8833	1.04	1.07	0.96	0.90	0.79	0.76	2.9%	-10.3%	-6.2%	-12.2%	-3.8%	0.14	40.42%	15.1%	29,110,162
8871	0.06	0.06	0.06	0.05	0.04	0.03	0.0%	0.0%	-16.7%	-20.0%	-25.0%	0.25	75.00%	25.0%	26,433,036
8803	0.06	0.05	0.05	0.05	0.04	0.03	-16.7%	0.0%	0.0%	-20.0%	-25.0%	0.22	75.00%	25.0%	19,974,264
9082	1.11	1.12	1.03	0.98	0.92	0.87	0.9%	-8.0%	-4.9%	-6.1%	-5.4%	0.10	27.89%	8.9%	18,683,271
9083	0.91	0.97	0.92	0.85	0.80	0.78	6.6%	-5.2%	-7.6%	-5.9%	-2.5%	0.09	30.90%	14.2%	16,364,755
7219	6.43	6.38	5.70	5.33	4.87	4.60	-0.8%	-10.7%	-6.5%	-8.6%	-5.5%	0.14	36.16%	9.9%	16,275,457
8820	0.13	0.11	0.10	0.09	0.08	0.08	-15.4%	-9.1%	-10.0%	-11.1%	0.0%	0.20	53.85%	15.4%	15,705,850
8601	0.22	0.22	0.22	0.20	0.17	0.16	0.0%	0.0%	-9.1%	-15.0%	-5.9%	0.14	32.83%	15.0%	14,269,032
8901	0.17	0.16	0.15	0.13	0.09	0.08	-5.9%	-6.3%	-13.3%	-30.8%	-11.1%	0.29	85.26%	24.9%	12,544,477
8037	1.61	1.72	1.58	1.51	1.40	1.32	6.8%	-8.1%	-4.4%	-7.3%	-5.7%	0.10	36.83%	15.0%	11,767,238
8018	2.19	2.31	2.25	2.07	1.92	1.90	5.5%	-2.6%	-8.0%	-7.2%	-1.0%	0.08	26.65%	13.5%	10,806,292
8391	1.94	2.01	1.87	1.76	1.64	1.58	3.6%	-7.0%	-5.9%	-6.8%	-3.7%	0.09	29.93%	10.6%	10,729,265
8017	1.31	1.28	1.15	1.03	1.00	1.01	-2.3%	-10.2%	-10.4%	-2.9%	1.0%	0.12	29.34%	11.4%	10,648,378
8824	1.88	1.91	1.67	1.60	1.46	1.32	1.6%	-12.6%	-4.2%	-8.8%	-9.6%	0.14	42.01%	14.2%	8,493,704
5606	1.10	1.12	1.06	0.99	0.93	0.83	1.8%	-5.4%	-6.6%	-6.1%	-10.8%	0.11	34.33%	12.6%	8,223,704
3830	0.70	0.70	0.67	0.67	0.65	0.68	0.0%	-4.3%	0.0%	-3.0%	4.6%	0.03	12.36%	8.9%	8,195,294
8835	1.76	1.74	1.67	1.61	1.53	1.35	-1.1%	-4.0%	-3.6%	-5.0%	-11.8%	0.10	27.86%	10.6%	8,096,903
8861	1.14	1.25	1.09	0.99	0.88	0.78	9.6%	-12.8%	-9.2%	-11.1%	-11.4%	0.17	67.08%	22.4%	7,769,781
9012	0.77	0.71	0.65	0.56	0.52	0.49	-7.8%	-8.5%	-13.8%	-7.1%	-5.8%	0.18	50.82%	8.1%	7,677,942
5190	2.50	2.49	2.21	2.02	1.78	1.73	-0.4%	-11.2%	-8.6%	-11.9%	-2.8%	0.16	39.52%	11.5%	7,098,661
8603	0.06	0.07	0.06	0.06	0.05	0.05	16.7%	-14.3%	0.0%	-16.7%	0.0%	0.13	55.56%	33.3%	6,856,078
7380	4.26	4.45	4.64	4.73	4.51	4.31	4.5%	4.3%	1.9%	-4.7%	-4.4%	0.04	21.35%	9.1%	6,414,096
6504	2.29	2.25	2.04	1.86	1.76	1.68	-1.7%	-9.3%	-8.8%	-5.4%	-4.5%	0.13	33.37%	7.6%	6,310,333
9014	2.43	2.27	2.11	1.89	1.63	1.42	-6.6%	-7.0%	-10.4%	-13.8%	-12.9%	0.20	61.79%	7.2%	6,105,174
5183	2.65	2.59	2.46	2.27	2.32	2.16	-2.3%	-5.0%	-7.7%	2.2%	-6.9%	0.08	26.39%	9.9%	5,779,537
4484	2.47	2.65	2.41	2.27	2.14	2.10	7.3%	-9.1%	-5.8%	-5.7%	-1.9%	0.09	33.34%	16.3%	5,603,909
8033	1.51	1.55	1.41	1.35	1.21	1.12	2.6%	-9.0%	-4.3%	-10.4%	-7.4%	0.12	38.36%	13.0%	5,497,198
8045	0.54	0.52	0.47	0.47	0.47	0.47	-3.7%	-9.6%	0.0%	0.0%	0.0%	0.06	13.68%	9.6%	5,415,500
7720	2.53	2.71	2.50	2.45	2.38	2.30	7.1%	-7.7%	-2.0%	-2.9%	-3.4%	0.06	25.16%	14.9%	5,224,713
9052	1.71	1.66	1.51	1.42	1.26	1.19	-2.9%	-9.0%	-6.0%	-11.3%	-5.6%	0.14	39.66%	8.3%	5,224,026
3076	3.00	2.99	2.71	2.68	2.43	2.31	-0.3%	-9.4%	-1.1%	-9.3%	-4.9%	0.11	27.28%	9.0%	5,067,426
8748	0.49	0.51	0.48	0.45	0.40	0.35	4.1%	-5.9%	-6.2%	-11.1%	-12.5%	0.14	46.36%	16.6%	4,975,398
9015	2.66	2.73	2.62	2.50	2.35	2.10	2.6%	-4.0%	-4.6%	-6.0%	-10.6%	0.09	30.95%	13.3%	4,868,381
5537	3.83	3.66	3.19	2.85	2.55	2.50	-4.4%	-12.8%	-10.7%	-10.5%	-2.0%	0.18	46.96%	10.9%	4,756,879
3632	2.80	2.81	2.57	2.37	2.31	2.17	0.4%	-8.5%	-7.8%	-2.5%	-6.1%	0.11	27.67%	8.9%	4,476,195
8006	1.58	1.60	1.53	1.38	1.27	1.17	1.3%	-4.4%	-9.8%	-8.0%	-7.9%	0.12	35.18%	11.1%	4,465,042
8869	0.89	0.89	0.83	0.75	0.68	0.67	0.0%	-6.7%	-9.6%	-9.3%	-1.5%	0.13	29.83%	9.6%	4,407,434
4511	0.41	0.40	0.36	0.32	0.28	0.27	-2.4%	-10.0%	-11.1%	-12.5%	-3.6%	0.18	45.88%	10.1%	4,310,478
8008	0.88	0.91	0.85	0.81	0.74	0.67	3.4%	-6.6%	-4.7%	-8.6%	-9.5%	0.11	37.25%	12.9%	4,206,819
8831	1.14	1.14	0.99	0.91	0.84	0.80	0.0%	-13.2%	-8.1%	-7.7%	-4.8%	0.15	37.98%	13.2%	4,115,728
5191	0.66	0.69	0.70	0.69	0.67	0.66	4.5%	1.4%	-1.4%	-2.9%	-1.5%	0.03	12.35%	7.4%	4,039,791
8232	5.00	5.00	4.72	4.51	4.46	4.19	0.0%	-5.6%	-4.4%	-1.1%	-6.1%	0.07	18.27%	6.1%	4,030,880
5221	3.94	4.15	3.79	3.53	3.22	2.92	5.3%	-8.7%	-6.9%	-8.8%	-9.3%	0.13	45.46%	14.6%	3,854,375
8826	1.74	1.87	1.76	1.55	1.27	1.15	7.5%	-5.9%	-11.9%	-18.1%	-9.4%	0.19	64.59%	25.5%	3,843,527
3724	3.20	3.19	3.13	3.14	3.04	2.72	-0.3%	-1.9%	0.3%	-3.2%	-10.5%	0.06	16.93%	10.8%	3,832,466
5403	4.98	4.92	4.49	3.78	3.19	3.10	-1.2%	-8.7%	-15.8%	-15.6%	-2.8%	0.21	51.50%	14.6%	3,768,708
8010	1.53	1.60	1.60	1.54	1.49	1.56	4.6%	0.0%	-3.8%	-3.2%	4.7%	0.03	17.28%	8.4%	3,765,204
3681	0.73	0.72	0.62	0.57	0.51	0.47	-1.4%	-13.9%	-8.1%	-10.5%	-7.8%	0.18	48.71%	12.5%	3,677,943
9102	2.50	2.48	2.26	2.19	1.90	1.67	-0.8%	-8.9%	-3.1%	-13.2%	-12.1%	0.15	43.63%	12.4%	3,551,576
7600	3.04	3.14	3.07	2.87	2.66	2.69	3.3%	-2.2%	-6.5%	-7.3%	1.1%	0.07	22.06%	10.6%	3,437,354
6217	3.40	3.15	2.73	2.70	2.51	2.41	-7.4%	-13.3%	-1.1%	-7.0%	-4.0%	0.14	36.90%	12.2%	3,291,414
4611	0.98	1.07	1.02	0.93	0.81	0.78	9.2%	-4.7%	-8.8%	-12.9%	-3.7%	0.12	45.62%	22.1%	3,278,743
7610	0.39	0.41	0.39	0.36	0.33	0.33	5.1%	-4.9%	-7.7%	-8.3%	0.0%	0.09	28.63%	13.5%	3,208,689
4829	1.07	1.11	0.97	0.93	0.86	0.88	3.7%	-12.6%	-4.1%	-7.5%	2.3%	0.10	33.84%	16.4%	3,153,814
8720	1.04	1.02	0.97	0.85	0.74	0.68	-1.9%	-4.9%	-12.4%	-12.9%	-8.1%	0.17	46.70%	11.0%	3,149,433
8387	2.55	2.48	2.16	2.11	1.88	1.79	-2.7%	-12.9%	-2.3%	-10.9%	-4.8%	0.14	37.93%	10.6%	3,072,130
8046	2.06	2.09	2.04	1.97	1.91	1.91	1.5%	-2.4%	-3.4%	-3.0%	0.0%	0.04	10.72%	4.9%	2,977,425
5645	9.19	8.95	8.40	7.50	6.76	5.98	-2.6%	-6.1%	-10.7%	-9.9%	-11.5%	0.16	47.77%	8.9%	2,850,404
9063	0.69	0.76	0.68	0.63	0.58	0.55	10.1%	-10.5%	-7.4%	-7.9%	-5.2%	0.12	48.36%	20.7%	2,842,500
4825	0.72	0.72	0.67	0.66	0.63	0.70	0.0%	-6.9%	-1.5%	-4.5%	11.1%	0.05	26.08%	18.1%	2,728,959
9101	3.13	3.36	2.93	2.65	2.27	2.24	7.3%	-12.8%	-9.6%	-14.3%	-1.3%	0.17	53.68%	21.7%	2,711,500
3643	2.41	2.68	2.75	2.61	2.37	2.15	11.2%	2.6%	-5.1%	-9.2%	-9.3%	0.09	43.10%	20.5%	2,697,140
8107	2.35	2.32	2.14	2.15	2.14	2.05	-1.3%	-7.8%	0.5%	-0.5%	-4.2%	0.05	14.79%	8.2%	2,664,183

NCCI Missouri Loss Cost Filing Effective January 1, 2025

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by 2023 Payroll

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
8058	2.33	2.49	2.33	2.18	1.92	1.76	6.9%	-6.4%	-6.4%	-11.9%	-8.3%	0.13	46.78%	18.8%	2,662,659
7231	6.91	6.99	6.50	6.81	6.70	5.65	1.2%	-7.0%	4.8%	-1.6%	-15.7%	0.07	33.30%	20.4%	2,630,223
8393	1.24	1.30	1.30	1.20	1.19	1.14	4.8%	0.0%	-7.7%	-0.8%	-4.2%	0.05	18.63%	12.5%	2,607,863
4299	2.07	1.96	1.90	1.80	1.63	1.48	-5.3%	-3.1%	-5.3%	-9.4%	-9.2%	0.12	36.55%	6.4%	2,565,540
5506	4.68	4.62	4.29	3.80	3.78	3.61	-1.3%	-7.1%	-11.4%	-0.5%	-4.5%	0.11	27.01%	10.9%	2,544,503
2089	3.17	3.13	2.77	2.36	2.10	2.05	-1.3%	-11.5%	-14.8%	-11.0%	-2.4%	0.19	47.33%	13.5%	2,462,460
5474	4.73	4.75	4.51	4.27	3.99	3.67	0.4%	-5.1%	-5.3%	-6.6%	-8.0%	0.10	27.89%	8.4%	2,433,566
3179	2.01	2.08	1.84	1.65	1.53	1.43	3.5%	-11.5%	-10.3%	-7.3%	-6.5%	0.15	45.53%	15.0%	2,417,069
2095	3.23	3.42	3.18	2.86	2.61	2.38	5.9%	-7.0%	-10.1%	-8.7%	-8.8%	0.14	47.57%	15.9%	2,381,992
7403	3.88	4.26	3.56	3.21	3.02	3.10	9.8%	-16.4%	-9.8%	-5.9%	2.6%	0.14	52.65%	26.2%	2,283,688
5445	4.38	3.97	3.43	3.13	3.06	3.01	-9.4%	-13.6%	-8.7%	-2.2%	-1.6%	0.16	40.38%	12.0%	2,180,414
9044	0.88	0.90	0.83	0.81	0.80	0.79	2.3%	-7.8%	-2.4%	-1.2%	-1.3%	0.05	15.71%	10.1%	2,136,390
2883	2.83	2.74	2.46	2.25	1.91	1.81	-3.2%	-10.2%	-8.5%	-15.1%	-5.2%	0.18	49.52%	11.9%	2,115,812
8292	3.42	3.52	3.23	3.01	2.63	2.38	2.9%	-8.2%	-6.8%	-12.6%	-9.5%	0.15	46.75%	15.5%	2,097,181
8061	1.61	1.55	1.45	1.31	1.24	1.19	-3.7%	-6.5%	-9.7%	-5.3%	-4.0%	0.12	32.69%	5.9%	2,079,145
7538	5.13	5.10	4.08	3.24	2.33	1.94	-0.6%	-20.0%	-20.6%	-28.1%	-16.7%	0.38	117.64%	27.5%	2,011,526
7710	4.08	4.12	4.03	3.91	3.96	3.94	1.0%	-2.2%	-3.0%	1.3%	-0.5%	0.02	8.16%	4.3%	2,001,418
8044	2.26	2.20	1.88	1.76	1.65	1.53	-2.7%	-14.5%	-6.4%	-6.3%	-7.3%	0.16	42.58%	11.9%	1,987,009
9403	6.79	6.87	6.13	5.70	5.55	5.45	1.2%	-10.8%	-7.0%	-2.6%	-1.8%	0.10	25.31%	11.9%	1,937,117
8013	0.32	0.34	0.32	0.30	0.26	0.23	6.3%	-5.9%	-6.3%	-13.3%	-11.5%	0.14	51.10%	19.6%	1,771,504
9060	1.06	1.12	1.10	1.10	1.06	1.02	5.7%	-1.8%	0.0%	-3.6%	-3.8%	0.03	15.66%	9.4%	1,752,989
9586	0.48	0.48	0.43	0.42	0.38	0.36	0.0%	-10.4%	-2.3%	-9.5%	-5.3%	0.12	30.26%	10.4%	1,750,662
3574	1.72	2.08	2.18	2.01	1.67	1.31	20.9%	4.8%	-7.8%	-16.9%	-21.6%	0.18	94.17%	42.5%	1,718,790
5213	5.39	4.86	4.65	4.20	3.82	3.43	-9.8%	-4.3%	-9.7%	-9.0%	-10.2%	0.16	51.03%	5.9%	1,716,469
3647	2.49	2.76	2.62	2.56	2.42	2.50	10.8%	-5.1%	-2.3%	-5.5%	3.3%	0.05	29.80%	16.3%	1,686,921
3685	1.16	1.09	0.96	0.85	0.75	0.74	-6.0%	-11.9%	-11.5%	-11.8%	-1.3%	0.19	49.81%	10.6%	1,671,634
7382	4.07	4.14	4.08	4.23	4.11	3.95	1.7%	-1.4%	3.7%	-2.8%	-3.9%	0.02	14.31%	7.6%	1,653,538
5437	4.04	4.45	4.01	3.88	3.74	3.40	10.1%	-9.9%	-3.2%	-3.6%	-9.1%	0.09	41.24%	20.0%	1,606,638
4828	1.82	1.94	1.79	1.77	1.60	1.62	6.6%	-7.7%	-1.1%	-9.6%	1.3%	0.07	28.86%	16.2%	1,588,455
7705	3.76	3.79	3.29	3.17	3.09	3.06	0.8%	-13.2%	-3.6%	-2.5%	-1.0%	0.10	22.42%	14.0%	1,569,925
4459	2.40	2.39	2.14	1.93	1.91	1.81	-0.4%	-10.5%	-9.8%	-1.0%	-5.2%	0.12	29.51%	10.0%	1,539,479
5535	5.36	5.52	4.99	4.87	4.57	4.27	3.0%	-9.6%	-2.4%	-6.2%	-6.6%	0.10	30.76%	12.6%	1,534,523
9110	2.62	2.52	2.37	2.33	2.42	2.33	-3.8%	-6.0%	-1.7%	3.9%	-3.7%	0.05	20.49%	9.8%	1,514,029
3400	4.20	4.31	3.98	3.56	3.08	2.98	2.6%	-7.7%	-10.6%	-13.5%	-3.2%	0.15	43.10%	16.1%	1,479,508
4244	2.32	2.48	2.39	2.25	2.17	2.19	6.9%	-3.6%	-5.9%	-3.6%	0.9%	0.05	22.55%	12.8%	1,478,281
2070	3.91	3.86	3.53	3.56	3.32	3.34	-1.3%	-8.5%	0.8%	-6.7%	0.6%	0.07	19.06%	9.4%	1,472,793
8227	2.85	2.90	2.81	2.80	2.74	2.85	1.8%	-3.1%	-0.4%	-2.1%	4.0%	0.02	11.86%	7.1%	1,433,453
5022	5.46	5.66	5.65	5.15	4.69	4.31	3.7%	-0.2%	-8.8%	-8.9%	-8.1%	0.11	33.11%	12.6%	1,418,241
8215	3.50	3.71	3.28	2.86	2.74	2.59	6.0%	-11.6%	-12.8%	-4.2%	-5.5%	0.14	46.64%	18.8%	1,374,111
4410	2.88	3.06	2.85	2.75	2.51	2.41	6.3%	-6.9%	-3.5%	-8.7%	-4.0%	0.09	32.87%	15.0%	1,347,191
2501	2.45	2.53	2.21	2.01	1.75	1.58	3.3%	-12.6%	-9.0%	-12.9%	-9.7%	0.18	57.18%	16.2%	1,343,907
3113	1.76	1.64	1.59	1.55	1.38	1.30	-6.8%	-3.0%	-2.5%	-11.0%	-5.8%	0.11	32.48%	8.5%	1,321,751
6834	3.09	2.62	2.18	1.86	1.71	1.61	-15.2%	-16.8%	-14.7%	-8.1%	-5.8%	0.27	76.51%	10.9%	1,317,130
3030	4.32	4.48	4.28	4.08	3.80	3.72	3.7%	-4.5%	-4.7%	-6.9%	-2.1%	0.07	23.73%	10.6%	1,307,391
9040	3.29	3.38	3.07	3.18	3.01	2.78	2.7%	-9.2%	3.6%	-5.3%	-7.6%	0.07	31.74%	12.8%	1,307,020
3612	1.97	1.96	1.84	1.67	1.61	1.58	-0.5%	-6.1%	-9.2%	-3.6%	-1.9%	0.10	22.95%	8.7%	1,296,040
1624	2.90	2.46	2.45	2.37	2.39	2.35	-15.2%	-0.4%	-3.3%	0.8%	-1.7%	0.08	22.44%	16.0%	1,294,274
3507	2.57	2.59	2.34	2.25	2.13	2.04	0.8%	-9.7%	-3.8%	-5.3%	-4.2%	0.10	25.98%	10.4%	1,290,621
2585	3.08	2.94	2.77	2.73	2.62	2.69	-4.5%	-5.8%	-1.4%	-4.0%	2.7%	0.06	19.83%	8.5%	1,266,594
7520	2.78	2.55	2.42	2.24	2.04	1.84	-8.3%	-5.1%	-7.4%	-8.9%	-9.8%	0.15	46.23%	4.7%	1,259,871
7605	1.66	1.66	1.54	1.53	1.52	1.41	0.0%	-7.2%	-0.6%	-0.7%	-7.2%	0.06	16.49%	7.2%	1,242,068
8116	1.97	1.99	2.00	1.91	1.81	1.76	1.0%	0.5%	-4.5%	-5.2%	-2.8%	0.05	14.73%	6.3%	1,186,064
2157	5.97	5.32	4.31	3.66	3.19	3.11	-10.9%	-19.0%	-15.1%	-12.8%	-2.5%	0.28	75.63%	16.5%	1,180,821
2003	3.52	3.65	3.28	3.18	2.94	2.71	3.7%	-10.1%	-3.0%	-7.5%	-7.8%	0.11	36.47%	13.8%	1,176,668
3085	4.41	4.61	4.34	3.88	3.66	3.87	4.5%	-5.9%	-10.6%	-5.7%	5.7%	0.09	36.75%	16.3%	1,156,415
9154	1.47	1.63	1.42	1.42	1.29	1.13	10.9%	-12.9%	0.0%	-9.2%	-12.4%	0.12	53.58%	23.8%	1,135,252
3824	4.04	3.91	3.11	2.98	2.80	2.76	-3.2%	-20.5%	-4.2%	-6.0%	-1.4%	0.17	39.32%	19.0%	1,125,870
3629	1.51	1.48	1.39	1.33	1.27	1.25	-2.0%	-6.1%	-4.3%	-4.5%	-1.6%	0.08	19.81%	4.5%	1,114,185
9058	1.33	1.39	1.32	1.27	1.15	1.07	4.5%	-5.0%	-3.8%	-9.4%	-7.0%	0.10	33.37%	14.0%	1,113,365
8350	5.32	5.23	4.65	4.65	4.50	4.48	-1.7%	-11.1%	0.0%	-3.2%	-0.4%	0.08	17.13%	11.1%	1,103,130
0042	5.32	5.69	5.33	4.82	4.83	4.38	7.0%	-6.3%	-9.6%	0.2%	-9.3%	0.09	36.49%	16.5%	1,098,518
4720	1.93	2.05	1.99	1.99	1.94	1.90	6.2%	-2.9%	0.0%	-2.5%	-2.1%	0.03	14.38%	9.1%	1,088,811
6325	2.83	2.80	2.65	2.41	2.23	2.13	-1.1%	-5.4%	-9.1%	-7.5%	-4.5%	0.12	30.39%	8.0%	1,086,249
0083	4.34	4.25	3.86	3.72	3.40	3.11	-2.1%	-9.2%	-3.6%	-8.6%	-8.5%	0.13	36.11%	7.1%	1,081,669
9084	1.12	1.16	1.08	1.00	0.93	0.89	3.6%	-6.9%	-7.4%	-7.0%	-4.3%	0.10	32.71%	11.0%	1,080,250
2121	1.18	1.26	1.15	0.98	0.96	0.98	6.8%	-8.7%	-14.8%	-2.0%	2.1%	0.12	38.82%	21.6%	1,070,616
8039	1.11	1.19	1.20	1.22	1.19	1.19	7.2%	0.8%	1.7%	-2.5%	0.0%	0.03	12.61%	9.7%	1,065,727
1164	4.39	4.25	3.71	3.86	3.80	3.75	-3.2%	-12.7%	4.0%	-1.6%	-1.3%	0.07	24.50%	16.7%	1,020,260
4243	2.06	2.21	1.95	1.84	1.69	1.71	7.3%	-11.8%	-5.6%	-8.2%	1.2%	0.11	38.61%	19.0%	1,019,207

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by 2023 Payroll

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
0106	7.12	6.74	5.92	5.48	4.93	4.41	-5.3%	-12.2%	-7.4%	-10.0%	-10.5%	0.18	54.41%	6.8%	1,012,590
2014	4.52	4.62	4.28	4.09	3.71	3.63	2.2%	-7.4%	-4.4%	-9.3%	-2.2%	0.10	27.95%	11.5%	959,288
5551	13.67	14.25	11.90	10.76	10.56	10.52	4.2%	-16.5%	-9.6%	-1.9%	-0.4%	0.14	36.05%	20.7%	943,483
6319	3.42	3.30	3.10	2.60	2.14	1.88	-3.5%	-6.1%	-16.1%	-17.7%	-12.1%	0.23	68.27%	14.2%	931,411
1701	3.08	2.94	2.72	2.42	2.37	2.19	-4.5%	-7.5%	-11.0%	-2.1%	-7.6%	0.13	37.01%	9.0%	920,327
8047	0.84	0.77	0.68	0.61	0.65	0.65	-8.3%	-11.7%	-10.3%	6.6%	0.0%	0.12	42.20%	18.2%	917,919
4452	2.59	2.47	2.27	2.08	1.95	1.89	-4.6%	-8.1%	-8.4%	-6.3%	-3.1%	0.13	34.24%	5.3%	912,856
0037	3.02	2.99	2.85	2.81	2.76	2.60	-1.0%	-4.7%	-1.4%	-1.8%	-5.8%	0.05	15.44%	4.8%	904,150
8111	1.54	1.52	1.50	1.59	1.53	1.43	-1.3%	-1.3%	6.0%	-3.8%	-6.5%	0.03	20.27%	12.5%	824,572
8002	1.62	1.78	1.71	1.61	1.47	1.40	9.9%	-3.9%	-5.8%	-8.7%	-4.8%	0.09	37.64%	18.6%	757,785
5478	5.05	4.41	3.80	3.38	3.10	2.81	-12.7%	-13.8%	-11.1%	-8.3%	-9.4%	0.22	68.66%	5.5%	755,660
3620	3.69	3.64	3.28	2.83	2.65	2.40	-1.4%	-9.9%	-13.7%	-6.4%	-9.4%	0.17	47.42%	12.4%	754,367
5188	2.64	2.58	2.32	2.15	2.11	2.04	-2.3%	-10.1%	-7.3%	-1.9%	-3.3%	0.11	27.16%	8.2%	750,786
5348	3.73	3.50	3.12	2.93	2.71	2.49	-6.2%	-10.9%	-6.1%	-7.5%	-8.1%	0.15	45.13%	4.8%	747,567
5192	2.19	2.55	2.48	2.34	2.37	2.32	16.4%	-2.7%	-5.6%	1.3%	-2.1%	0.05	30.71%	22.1%	738,661
7539	1.69	1.62	1.53	1.35	1.16	1.11	-4.1%	-5.6%	-11.8%	-14.1%	-4.3%	0.17	46.19%	9.9%	727,272
8293	7.18	7.09	6.01	5.30	4.53	4.17	-1.3%	-15.2%	-11.8%	-14.5%	-7.9%	0.22	61.29%	14.0%	726,412
5215	4.87	4.86	4.47	4.27	3.88	3.71	-0.2%	-8.0%	-4.5%	-9.1%	-4.4%	0.11	28.83%	8.9%	707,246
8755	0.31	0.30	0.28	0.26	0.23	0.20	-3.2%	-6.7%	-7.1%	-11.5%	-13.0%	0.16	48.75%	9.8%	685,499
9016	2.85	2.83	2.53	2.33	1.93	1.74	-0.7%	-10.6%	-7.9%	-17.2%	-9.8%	0.19	54.68%	16.5%	683,659
9620	1.01	1.05	1.10	0.99	1.05	1.03	4.0%	4.8%	-10.0%	6.1%	-1.9%	0.04	29.48%	16.1%	682,833
4361	0.71	0.67	0.61	0.58	0.54	0.50	-5.6%	-9.0%	-4.9%	-6.9%	-7.4%	0.13	38.64%	4.0%	675,337
8728	0.37	0.41	0.42	0.40	0.37	0.34	10.8%	2.4%	-4.8%	-7.5%	-8.1%	0.08	38.20%	18.9%	671,111
4273	2.27	2.34	2.12	1.98	1.84	1.75	3.1%	-9.4%	-6.6%	-7.1%	-4.9%	0.11	35.02%	12.5%	653,037
9522	3.60	4.35	4.74	5.40	5.57	5.41	20.8%	9.0%	13.9%	3.1%	-2.9%	0.16	59.17%	23.7%	649,926
0035	2.07	2.03	1.79	1.67	1.48	1.45	-1.9%	-11.8%	-6.7%	-11.4%	-2.0%	0.15	38.21%	9.9%	644,153
9182	1.67	1.75	1.72	1.80	1.64	1.51	4.8%	-1.7%	4.7%	-8.9%	-7.9%	0.06	31.09%	13.7%	643,547
3634	1.54	1.50	1.40	1.30	1.19	1.22	-2.6%	-6.7%	-7.1%	-8.5%	2.5%	0.11	30.38%	11.0%	642,393
8370	3.45	3.52	3.46	3.59	3.24	3.07	2.0%	-1.7%	3.8%	-9.7%	-5.2%	0.06	24.36%	13.5%	642,279
5951	0.35	0.39	0.40	0.44	0.46	0.45	11.4%	2.6%	10.0%	4.5%	-2.2%	0.10	34.29%	13.6%	641,338
9519	3.15	3.34	2.99	2.85	2.64	2.57	6.0%	-10.5%	-4.7%	-7.4%	-2.7%	0.10	35.15%	16.5%	624,596
9402	3.87	4.17	3.98	3.81	3.47	3.01	7.8%	-4.6%	-4.3%	-8.9%	-13.3%	0.11	44.92%	21.0%	619,638
0034	2.41	2.62	2.49	2.37	2.28	2.02	8.7%	-5.0%	-4.8%	-3.8%	-11.4%	0.09	38.31%	20.1%	618,087
5102	5.20	4.96	4.68	4.41	4.07	3.91	-4.6%	-5.6%	-5.8%	-7.7%	-3.9%	0.11	30.86%	3.8%	617,424
8385	1.68	1.86	1.82	1.79	1.65	1.55	10.7%	-2.2%	-1.6%	-7.8%	-6.1%	0.07	31.46%	18.5%	613,814
8106	4.17	4.56	4.32	3.96	3.51	3.04	9.4%	-5.3%	-8.3%	-11.4%	-13.4%	0.14	57.47%	22.7%	610,559
7360	3.66	3.73	3.34	3.31	3.29	3.39	1.9%	-10.5%	-0.9%	-0.6%	3.0%	0.06	17.74%	13.5%	604,364
5160	2.02	1.96	1.64	1.49	1.43	1.39	-3.0%	-16.3%	-9.1%	-4.0%	-2.8%	0.17	39.81%	13.5%	568,254
6306	4.92	4.53	4.20	3.92	3.59	3.17	-7.9%	-7.3%	-6.7%	-8.4%	-11.7%	0.16	49.57%	5.0%	564,662
9516	2.63	2.35	2.07	1.78	1.57	1.46	-10.6%	-11.9%	-14.0%	-11.8%	-7.0%	0.23	68.89%	7.0%	544,195
2039	2.50	2.68	2.48	2.60	2.42	2.55	7.2%	-7.5%	4.8%	-6.9%	5.4%	0.04	36.07%	14.7%	542,152
7390	4.84	4.54	4.21	4.04	3.86	3.68	-6.2%	-7.3%	-4.0%	-4.5%	-4.7%	0.10	29.57%	3.2%	520,802
8021	2.67	2.69	2.28	2.17	2.02	2.04	0.7%	-15.2%	-4.8%	-6.9%	1.0%	0.13	31.41%	16.2%	513,018
8800	1.23	1.21	1.08	1.11	1.08	1.09	-1.6%	-10.7%	2.8%	-2.7%	0.9%	0.06	19.90%	13.5%	510,816
8721	0.25	0.26	0.25	0.23	0.20	0.18	4.0%	-3.8%	-8.0%	-13.0%	-10.0%	0.14	45.04%	17.0%	496,463
4558	1.71	1.72	1.55	1.41	1.32	1.39	0.6%	-9.9%	-9.0%	-6.4%	5.3%	0.11	35.00%	15.2%	494,271
4034	6.33	6.28	5.87	5.68	5.49	5.38	-0.8%	-6.5%	-3.2%	-3.3%	-2.0%	0.07	16.85%	5.7%	489,419
9156	2.10	2.19	2.00	1.69	1.44	1.49	4.3%	-8.7%	-15.5%	-14.8%	3.5%	0.18	55.48%	19.8%	478,337
2731	3.68	3.47	3.01	2.78	2.70	2.83	-5.7%	-13.3%	-7.6%	-2.9%	4.8%	0.13	38.96%	18.1%	477,666
2802	4.92	4.88	4.57	4.30	4.18	3.87	-0.8%	-6.4%	-5.9%	-2.8%	-7.4%	0.09	25.38%	6.6%	476,393
8015	0.73	0.68	0.59	0.53	0.51	0.52	-6.8%	-13.2%	-10.2%	-3.8%	2.0%	0.16	41.04%	15.2%	472,577
1925	3.25	3.35	3.06	2.62	2.24	2.32	3.1%	-8.7%	-14.4%	-14.5%	3.6%	0.17	51.92%	18.1%	471,662
4635	2.94	2.77	2.39	2.06	1.89	1.85	-5.8%	-13.7%	-13.8%	-8.3%	-2.1%	0.20	51.34%	11.7%	467,563
7225	6.02	7.28	7.68	7.12	6.41	5.60	20.9%	5.5%	-7.3%	-10.0%	-12.6%	0.12	69.55%	33.6%	464,960
4583	4.08	4.43	4.22	4.05	3.85	3.97	8.6%	-4.7%	-4.0%	-4.9%	3.1%	0.05	28.02%	13.5%	459,782
8001	1.88	1.95	1.74	1.67	1.50	1.44	3.7%	-10.8%	-4.0%	-10.2%	-4.0%	0.12	36.95%	14.5%	444,924
3146	2.22	2.25	1.95	1.87	1.70	1.72	1.4%	-13.3%	-4.1%	-9.1%	1.2%	0.12	31.98%	14.7%	432,010
7421	0.55	0.58	0.56	0.49	0.44	0.37	5.5%	-3.4%	-12.5%	-10.2%	-15.9%	0.16	56.77%	21.4%	430,862
3040	4.84	4.76	4.23	3.84	3.61	3.49	-1.7%	-11.1%	-9.2%	-6.0%	-3.3%	0.14	35.12%	9.5%	427,861
7580	2.23	2.50	2.17	2.13	1.87	1.73	12.1%	-13.2%	-1.8%	-12.2%	-7.5%	0.13	55.88%	25.3%	427,110
5462	4.99	4.67	3.88	3.54	3.39	3.36	-6.4%	-16.9%	-8.8%	-4.2%	-0.9%	0.18	42.30%	16.0%	425,352
1438	12.64	12.78	11.16	8.26	6.03	4.73	1.1%	-12.7%	-26.0%	-27.0%	-21.6%	0.37	121.57%	28.1%	417,622
7431	0.99	1.04	0.89	0.78	0.63	0.56	5.1%	-14.4%	-12.4%	-19.2%	-11.1%	0.24	78.92%	24.3%	416,502
2016	2.88	2.84	2.55	2.31	2.17	2.23	-1.4%	-10.2%	-9.4%	-6.1%	2.8%	0.12	33.25%	13.0%	411,264
4279	2.24	2.33	2.33	2.55	2.65	2.66	4.0%	0.0%	9.4%	3.9%	0.4%	0.07	18.75%	9.4%	402,381
8265	4.13	4.13	3.73	3.60	3.15	3.26	0.0%	-9.7%	-3.5%	-12.5%	3.5%	0.11	32.16%	16.0%	401,081
2759	6.08	5.91	5.23	4.69	4.05	3.95	-2.8%	-11.5%	-10.3%	-13.6%	-2.5%	0.18	47.26%	11.2%	400,324
3257	2.47	2.48	2.17	2.01	1.99	2.10	0.4%	-12.5%	-7.4%	-1.0%	5.5%	0.10	29.26%	18.0%	397,859
3808	3.50	3.59	3.39	3.19	3.10	3.17	2.6%	-5.6%	-5.9%	-2.8%	2.3%	0.06	20.57%	8.5%	389,822

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
3300	3.93	4.28	4.46	4.20	3.60	3.13	8.9%	4.2%	-5.8%	-14.3%	-13.1%	0.13	55.18%	23.2%	380,344
3220	2.15	2.19	2.00	1.79	1.57	1.47	1.9%	-8.7%	-10.5%	-12.3%	-6.4%	0.16	46.10%	14.2%	380,326
5146	4.38	4.46	3.97	3.43	3.11	2.98	1.8%	-11.0%	-13.6%	-9.3%	-4.2%	0.17	46.23%	15.4%	378,173
9061	1.30	1.25	1.09	1.01	0.96	0.88	-3.8%	-12.8%	-7.3%	-5.0%	-8.3%	0.15	42.96%	9.0%	374,157
3303	2.01	2.04	1.85	1.98	2.09	2.42	1.5%	-9.3%	7.0%	5.6%	15.8%	0.09	45.13%	25.1%	373,948
8392	2.12	2.10	1.82	1.67	1.65	1.53	-0.9%	-13.3%	-8.2%	-1.2%	-7.3%	0.14	34.43%	12.4%	370,507
7855	3.10	3.17	2.84	2.64	2.42	2.34	2.3%	-10.4%	-7.0%	-8.3%	-3.3%	0.13	35.25%	12.7%	366,537
7515	0.99	0.95	0.86	0.79	0.75	0.66	-4.0%	-9.5%	-8.1%	-5.1%	-12.0%	0.15	44.93%	8.0%	363,449
8102	1.92	2.01	1.75	1.58	1.52	1.45	4.7%	-12.9%	-9.7%	-3.8%	-4.6%	0.13	40.84%	17.6%	356,593
8291	2.89	2.99	2.80	2.52	2.35	2.26	3.5%	-6.4%	-10.0%	-6.7%	-3.8%	0.11	34.15%	13.5%	355,965
7425	2.02	1.82	1.49	1.28	1.10	1.10	-9.9%	-18.1%	-14.1%	-14.1%	0.0%	0.26	68.96%	18.1%	354,818
4692	0.82	0.86	0.78	0.73	0.66	0.64	4.9%	-9.3%	-6.4%	-9.6%	-3.0%	0.12	37.73%	14.5%	353,933
4771	2.52	2.52	2.46	2.36	2.19	2.08	0.0%	-2.4%	-4.1%	-7.2%	-5.0%	0.08	19.95%	7.2%	352,873
4703	1.91	1.87	1.76	1.60	1.56	1.52	-2.1%	-5.9%	-9.1%	-2.5%	-2.6%	0.10	23.97%	7.0%	351,676
9501	2.84	2.99	2.78	2.54	2.31	2.33	5.3%	-7.0%	-8.6%	-9.1%	0.9%	0.11	34.64%	14.3%	346,761
8032	1.70	1.75	1.66	1.50	1.27	1.20	2.9%	-5.1%	-9.6%	-15.3%	-5.5%	0.15	44.41%	18.3%	344,125
1642	2.43	2.60	2.61	2.69	2.67	2.83	7.0%	0.4%	3.1%	-0.7%	6.0%	0.05	18.21%	7.7%	340,206
8304	4.03	4.26	4.16	4.09	3.97	3.90	5.7%	-2.3%	-1.7%	-2.9%	-1.8%	0.03	15.23%	8.6%	339,822
9033	1.73	1.71	1.59	1.58	1.43	1.36	-1.2%	-7.0%	-0.6%	-9.5%	-4.9%	0.09	25.12%	8.9%	337,040
6400	5.06	4.94	4.65	4.28	3.60	3.06	-2.4%	-5.9%	-8.0%	-15.9%	-15.0%	0.19	55.93%	13.5%	324,507
3188	2.16	2.19	2.00	1.96	1.82	1.78	1.4%	-8.7%	-2.0%	-7.1%	-2.2%	0.09	23.06%	10.1%	323,788
8602	0.96	1.11	1.00	1.05	0.94	0.91	15.6%	-9.9%	5.0%	-10.5%	-3.2%	0.07	52.12%	26.1%	316,762
8353	3.21	3.44	3.24	3.09	3.01	3.18	7.2%	-5.8%	-4.6%	-2.6%	5.6%	0.05	28.59%	13.0%	312,619
2660	2.70	2.83	2.53	2.13	1.77	1.66	4.8%	-10.6%	-15.8%	-16.9%	-6.2%	0.22	66.70%	21.7%	308,731
3028	3.60	3.71	3.40	3.24	3.28	3.16	3.1%	-8.4%	-4.7%	1.2%	-3.7%	0.06	22.70%	11.4%	308,179
9410	2.63	2.71	2.60	2.55	2.47	2.25	3.0%	-4.1%	-1.9%	-3.1%	-8.9%	0.06	22.75%	11.9%	303,166
1699	2.56	2.50	2.21	2.27	2.20	2.27	-2.3%	-11.6%	2.7%	-3.1%	3.2%	0.07	24.78%	14.8%	301,099
8034	1.92	2.01	1.85	1.72	1.63	1.64	4.7%	-8.0%	-7.0%	-5.2%	0.6%	0.09	28.07%	12.6%	296,946
2111	2.06	1.98	1.81	1.78	1.74	1.71	-3.9%	-8.6%	-1.7%	-2.2%	-1.7%	0.08	19.27%	6.9%	295,486
3180	2.64	2.65	2.58	2.69	2.52	2.47	0.4%	-2.6%	4.3%	-6.3%	-2.0%	0.03	16.48%	10.6%	295,104
9521	3.29	3.45	3.12	3.05	2.81	2.59	4.9%	-9.6%	-2.2%	-7.9%	-7.8%	0.10	36.64%	14.4%	293,847
5057	3.66	4.34	4.27	3.74	3.10	2.98	18.6%	-1.6%	-12.4%	-17.1%	-3.9%	0.15	64.77%	35.7%	288,750
1472	2.68	2.74	2.80	2.79	2.60	2.57	2.2%	2.2%	-0.4%	-6.8%	-1.2%	0.04	13.28%	9.0%	286,993
5222	6.74	6.70	6.23	5.27	5.09	4.66	-0.6%	-7.0%	-15.4%	-3.4%	-8.4%	0.15	39.34%	14.8%	285,346
3881	3.69	3.57	3.24	3.00	2.83	2.62	-3.3%	-9.2%	-7.4%	-5.7%	-7.4%	0.13	37.52%	6.0%	284,092
8264	4.52	4.43	3.99	3.72	3.45	3.28	-2.0%	-9.9%	-6.8%	-7.3%	-4.9%	0.13	34.72%	7.9%	282,061
5223	5.27	4.97	4.08	3.29	2.85	2.54	-5.7%	-17.9%	-19.4%	-13.4%	-10.9%	0.29	86.99%	13.7%	280,995
3126	1.31	1.36	1.30	1.40	1.37	1.38	3.8%	-4.4%	7.7%	-2.1%	0.7%	0.03	20.11%	12.1%	280,510
0917	3.39	3.31	3.24	3.09	2.83	2.81	-2.4%	-2.1%	-4.6%	-8.4%	-0.7%	0.08	19.40%	7.7%	279,862
4130	3.09	3.03	2.78	2.70	2.84	3.02	-1.9%	-8.3%	-2.9%	5.2%	6.3%	0.05	26.98%	14.6%	279,355
3241	2.74	2.60	2.32	2.28	2.41	2.64	-5.1%	-10.8%	-1.7%	5.7%	9.5%	0.08	37.14%	20.3%	278,883
4557	2.00	2.23	2.22	2.23	1.95	1.91	11.5%	-0.4%	0.5%	-12.6%	-2.1%	0.07	29.23%	24.1%	276,774
3227	2.89	2.83	2.75	2.49	2.31	2.03	-2.1%	-2.8%	-9.5%	-7.2%	-12.1%	0.13	38.12%	10.0%	276,326
3821	4.46	4.57	4.16	4.12	3.96	3.80	2.5%	-9.0%	-1.0%	-3.9%	-4.0%	0.07	21.84%	11.4%	275,937
5507	3.20	3.28	3.14	2.83	2.64	2.72	2.5%	-4.3%	-9.9%	-6.7%	3.0%	0.09	29.11%	12.9%	273,082
8856	0.30	0.36	0.40	0.39	0.34	0.33	20.0%	11.1%	-2.5%	-12.8%	-2.9%	0.11	58.72%	32.8%	268,612
7232	6.86	7.53	6.87	6.73	6.39	6.23	9.8%	-8.8%	-2.0%	-5.1%	-2.5%	0.07	31.18%	18.5%	267,304
3807	2.02	2.28	2.05	1.75	1.60	1.68	12.9%	-10.1%	-14.6%	-8.6%	5.0%	0.14	62.38%	27.5%	265,315
4283	1.38	1.28	1.20	1.24	1.36	1.34	-7.2%	-6.3%	3.3%	9.7%	-1.5%	0.06	31.04%	16.9%	262,004
9180	3.85	3.87	3.69	3.68	3.47	3.42	0.5%	-4.7%	-0.3%	-5.7%	-1.4%	0.05	13.11%	6.2%	259,399
8381	2.10	2.06	1.88	1.58	1.42	1.43	-1.9%	-8.7%	-16.0%	-10.1%	0.7%	0.18	42.50%	16.7%	256,971
9093	1.23	1.16	1.02	0.91	0.86	0.81	-5.7%	-12.1%	-10.8%	-5.5%	-5.8%	0.17	46.48%	6.6%	255,390
8031	1.98	2.01	1.89	1.72	1.50	1.36	1.5%	-6.0%	-9.0%	-12.8%	-9.3%	0.15	44.59%	14.3%	253,691
3365	3.31	3.28	3.19	3.04	2.96	2.81	-0.9%	-2.7%	-4.7%	-2.6%	-5.1%	0.06	17.05%	4.2%	249,490
0005	2.84	2.90	2.54	2.35	2.19	2.12	2.1%	-12.4%	-7.5%	-6.8%	-3.2%	0.13	35.99%	14.5%	248,878
2623	6.02	5.79	5.05	4.39	3.85	3.40	-3.8%	-12.8%	-13.1%	-12.3%	-11.7%	0.22	66.06%	9.2%	247,910
4114	3.11	3.11	2.73	2.40	2.13	2.04	0.0%	-12.2%	-12.1%	-11.3%	-4.2%	0.18	45.85%	12.2%	246,550
6825	2.74	2.58	2.07	1.66	1.33	1.30	-5.8%	-19.8%	-19.8%	-19.9%	-2.3%	0.32	86.17%	17.6%	244,480
9534	4.02	3.99	3.74	3.38	3.06	2.98	-0.7%	-6.3%	-9.6%	-9.5%	-2.6%	0.13	31.83%	8.9%	244,294
1803	7.16	7.24	6.98	6.39	5.32	4.80	1.1%	-3.6%	-8.5%	-16.7%	-9.8%	0.16	45.59%	17.9%	242,797
6836	3.02	3.09	2.80	2.44	2.17	1.96	2.3%	-9.4%	-12.9%	-11.1%	-9.7%	0.18	53.86%	15.2%	237,577
8799	0.35	0.36	0.36	0.36	0.37	0.41	2.9%	0.0%	0.0%	2.8%	10.8%	0.06	17.14%	10.8%	235,790
3726	3.18	3.25	3.17	2.91	2.36	2.21	2.2%	-2.5%	-8.2%	-18.9%	-6.4%	0.16	43.28%	21.1%	235,756
0050	4.48	4.55	4.33	4.42	4.18	4.25	1.6%	-4.8%	2.1%	-5.4%	1.7%	0.03	16.51%	7.5%	231,892
2002	2.91	3.08	3.02	3.03	2.81	2.76	5.8%	-1.9%	0.3%	-7.3%	-1.8%	0.04	18.19%	13.1%	231,791
5479	6.14	6.14	5.81	5.50	4.81	4.18	0.0%	-5.4%	-5.3%	-12.5%	-13.1%	0.15	41.28%	13.1%	224,022
2143	2.17	2.31	2.17	1.92	1.69	1.61	6.5%	-6.1%	-11.5%	-12.0%	-4.7%	0.14	47.67%	18.4%	220,449
8072	0.51	0.51	0.43	0.44	0.47	0.44	0.0%	-15.7%	2.3%	6.8%	-6.4%	0.08	34.52%	22.5%	212,140
2305	2.26	2.18	2.04	1.88	1.72	1.71	-3.5%	-6.4%	-7.8%	-8.5%	-0.6%	0.12	29.69%	7.9%	203,833

NCCI Missouri Loss Cost Filing Effective January 1, 2025

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by 2023 Payroll

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
3372	3.13	2.99	2.66	2.33	2.15	2.15	-4.5%	-11.0%	-12.4%	-7.7%	0.0%	0.17	40.47%	12.4%	200,397
7422	1.73	1.52	1.23	1.09	0.91	0.78	-12.1%	-19.1%	-11.4%	-16.5%	-14.3%	0.30	98.05%	7.7%	200,116
6233	1.89	2.07	2.03	1.77	1.57	1.46	9.5%	-1.9%	-12.8%	-11.3%	-7.0%	0.14	49.99%	22.3%	198,504
2388	1.52	1.55	1.37	1.27	1.11	1.16	2.0%	-11.6%	-7.3%	-12.6%	4.5%	0.14	43.70%	17.1%	191,464
6204	8.43	7.30	6.07	5.64	5.08	4.42	-13.4%	-16.8%	-7.1%	-9.9%	-13.0%	0.24	76.26%	9.8%	191,378
2881	2.93	2.78	2.60	2.44	2.38	2.24	-5.1%	-6.5%	-6.2%	-2.5%	-5.9%	0.10	28.90%	4.0%	191,114
9554	7.50	7.40	6.64	5.48	4.75	4.59	-1.3%	-10.3%	-17.5%	-13.3%	-3.4%	0.21	53.76%	16.1%	190,737
9220	3.45	3.53	3.33	3.39	3.23	2.96	2.3%	-5.7%	1.8%	-4.7%	-8.4%	0.06	24.89%	10.7%	189,153
3064	3.32	3.45	3.35	3.05	2.91	2.69	3.9%	-2.9%	-9.0%	-4.6%	-7.6%	0.09	31.06%	12.9%	188,424
2130	1.68	1.72	1.60	1.68	1.63	1.63	2.4%	-7.0%	5.0%	-3.0%	0.0%	0.03	18.42%	12.0%	172,624
5610	4.25	3.68	3.63	3.41	3.24	2.97	-13.4%	-1.4%	-6.1%	-5.0%	-8.3%	0.12	38.66%	12.1%	168,289
3638	1.88	2.18	2.15	2.07	1.89	1.67	16.0%	-1.4%	-3.7%	-8.7%	-11.6%	0.10	47.96%	27.6%	168,136
4149	0.82	0.77	0.71	0.69	0.70	0.70	-6.1%	-7.8%	-2.8%	1.4%	0.0%	0.07	19.29%	9.2%	166,804
7370	4.12	4.02	3.62	3.52	3.42	3.41	-2.4%	-10.0%	-2.8%	-2.8%	-0.3%	0.08	19.37%	9.7%	166,243
3826	1.00	1.07	0.91	0.82	0.75	0.70	7.0%	-15.0%	-9.9%	-8.5%	-6.7%	0.16	56.48%	22.0%	165,686
7405	1.19	1.22	1.08	1.05	0.95	0.83	2.5%	-11.5%	-2.8%	-9.5%	-12.6%	0.14	44.90%	15.2%	164,852
4018	4.95	5.34	5.11	4.77	4.07	3.78	7.9%	-4.3%	-6.7%	-14.7%	-7.1%	0.13	47.43%	22.6%	164,153
4000	4.50	3.99	3.50	3.29	2.93	2.74	-11.3%	-12.3%	-6.0%	-10.9%	-6.5%	0.19	56.54%	6.3%	162,802
4686	2.41	2.16	1.89	1.65	1.57	1.66	-10.4%	-12.5%	-12.7%	-4.8%	5.7%	0.18	55.13%	18.4%	162,764
4470	2.17	2.15	2.04	2.01	1.93	1.80	-0.9%	-5.1%	-1.5%	-4.0%	-6.7%	0.07	19.47%	5.8%	161,189
8288	6.89	6.96	6.16	5.77	5.32	4.76	1.0%	-11.5%	-6.3%	-7.8%	-10.5%	0.15	42.69%	12.5%	159,626
8235	3.54	3.58	3.22	3.20	3.08	2.99	1.1%	-10.1%	-0.6%	-3.8%	-2.9%	0.07	19.59%	11.2%	159,486
2589	1.88	1.96	1.89	1.79	1.66	1.72	4.3%	-3.6%	-5.3%	-7.3%	3.6%	0.06	26.36%	11.5%	158,330
3270	3.65	3.62	3.23	2.86	2.43	2.19	-0.8%	-10.8%	-11.5%	-15.0%	-9.9%	0.20	57.34%	14.2%	156,285
6229	3.91	4.14	4.13	3.80	3.40	3.10	5.9%	-0.2%	-8.0%	-10.5%	-8.8%	0.11	37.86%	16.4%	154,269
7711	4.08	4.12	4.03	3.91	3.96	3.94	1.0%	-2.2%	-3.0%	1.3%	-0.5%	0.02	8.16%	4.3%	153,749
3022	3.44	3.28	2.85	2.71	2.56	2.55	-4.7%	-13.1%	-4.9%	-5.5%	-0.4%	0.13	31.57%	12.7%	153,268
7502	2.47	2.07	1.50	1.32	1.16	1.29	-16.2%	-27.5%	-12.0%	-12.1%	11.2%	0.32	106.95%	38.7%	147,823
1463	9.01	8.77	7.81	7.56	7.26	7.25	-2.7%	-10.9%	-3.2%	-4.0%	-0.1%	0.10	22.38%	10.8%	145,468
4304	5.73	5.07	4.40	4.10	3.75	3.67	-11.5%	-13.2%	-6.8%	-8.5%	-2.1%	0.18	49.50%	11.1%	143,402
5040	11.04	9.71	8.20	7.31	6.12	5.31	-12.0%	-15.6%	-10.9%	-16.3%	-13.2%	0.27	88.98%	5.4%	143,207
3803	2.00	2.28	2.18	1.94	1.93	2.10	14.0%	-4.4%	-11.0%	-0.5%	8.8%	0.07	44.48%	25.0%	142,743
1924	3.58	3.32	2.72	2.45	2.27	2.31	-7.3%	-18.1%	-9.9%	-7.3%	1.8%	0.20	52.08%	19.8%	141,113
3081	3.95	4.27	3.84	3.33	3.04	3.22	8.1%	-10.1%	-13.3%	-8.7%	5.9%	0.13	55.20%	21.4%	140,965
3169	2.22	2.48	2.17	1.88	1.75	1.85	11.7%	-12.5%	-13.4%	-6.9%	5.7%	0.14	61.03%	25.1%	137,692
4109	0.55	0.57	0.52	0.53	0.53	0.52	3.6%	-8.8%	1.9%	0.0%	-1.9%	0.04	17.06%	12.4%	135,827
4693	0.82	0.92	0.92	0.98	0.96	0.96	12.2%	0.0%	6.5%	-2.0%	0.0%	0.06	21.95%	14.2%	134,598
9178	10.14	10.32	9.48	8.62	7.57	6.82	1.8%	-8.1%	-9.1%	-12.2%	-9.9%	0.16	48.01%	14.0%	128,998
9505	3.98	3.87	3.24	2.76	2.38	2.20	-2.8%	-16.3%	-14.8%	-13.8%	-7.6%	0.24	67.89%	13.5%	128,134
4239	1.90	2.01	1.85	1.77	1.58	1.57	5.8%	-8.0%	-4.3%	-10.7%	-0.6%	0.10	32.77%	16.5%	127,869
5473	6.81	6.85	6.35	5.97	5.44	5.06	0.6%	-7.3%	-6.0%	-8.9%	-7.0%	0.12	33.24%	9.5%	127,255
3581	1.22	1.27	1.13	1.11	1.04	0.94	4.1%	-11.0%	-1.8%	-6.3%	-9.6%	0.11	37.06%	15.1%	125,169
2688	2.42	2.30	2.15	2.01	1.94	1.89	-5.0%	-6.5%	-6.5%	-3.5%	-2.6%	0.10	26.41%	3.9%	123,606
4250	1.68	1.72	1.69	1.77	1.74	1.75	2.4%	-1.7%	4.7%	-1.7%	0.6%	0.02	11.58%	6.5%	119,855
3548	1.43	1.48	1.40	1.39	1.27	1.18	3.5%	-5.4%	-0.7%	-8.6%	-7.1%	0.08	27.81%	12.1%	117,191
0008	2.53	2.39	2.13	1.92	1.86	1.71	-5.5%	-10.9%	-9.9%	-3.1%	-8.1%	0.15	43.26%	7.8%	116,705
2710	12.46	12.62	11.52	10.76	9.40	8.34	1.3%	-8.7%	-6.6%	-12.6%	-11.3%	0.16	47.12%	13.9%	115,235
7590	2.59	2.62	2.47	2.45	2.34	2.35	1.2%	-5.7%	-0.8%	-4.5%	0.4%	0.05	13.14%	6.9%	113,273
3145	2.26	2.33	1.99	1.82	1.75	1.75	3.1%	-14.6%	-8.5%	-3.8%	0.0%	0.13	33.17%	17.7%	113,201
3373	4.45	4.37	4.35	4.42	4.21	4.24	-1.8%	-0.5%	1.6%	-4.8%	0.7%	0.02	9.62%	6.4%	112,435
8500	4.60	4.61	4.30	4.11	3.63	3.32	0.2%	-6.7%	-4.4%	-11.7%	-8.5%	0.13	35.38%	11.9%	110,918
4740	0.98	1.01	0.96	0.88	0.90	0.79	3.1%	-5.0%	-8.3%	2.3%	-12.2%	0.09	34.49%	15.3%	110,482
1452	2.81	2.96	2.72	2.46	2.19	2.03	5.3%	-8.1%	-9.6%	-11.0%	-7.3%	0.14	48.57%	16.3%	110,457
3336	2.63	2.72	2.34	2.18	2.07	2.14	3.4%	-14.0%	-6.8%	-5.0%	3.4%	0.12	36.76%	17.4%	110,052
2131	2.22	2.34	2.15	2.13	2.07	1.86	5.4%	-8.1%	-0.9%	-2.8%	-10.1%	0.08	30.26%	15.6%	107,114
3648	1.46	1.55	1.39	1.20	1.04	0.99	6.2%	-10.3%	-13.7%	-13.3%	-4.8%	0.18	58.14%	19.8%	105,389
4251	3.28	3.41	3.41	3.43	3.15	2.80	4.0%	0.0%	0.6%	-8.2%	-11.1%	0.08	25.68%	15.1%	104,826
2021	2.06	2.49	2.57	2.49	2.26	2.13	20.9%	3.2%	-3.1%	-9.2%	-5.8%	0.09	48.61%	30.1%	103,783
4741	2.22	2.31	2.17	2.23	2.23	2.37	4.1%	-6.1%	2.8%	0.0%	6.3%	0.03	20.53%	12.3%	100,386
4307	1.68	1.79	1.74	1.73	1.70	1.83	6.5%	-2.8%	-0.6%	-1.7%	7.6%	0.03	20.63%	10.4%	95,854
3635	2.10	2.08	1.79	1.59	1.37	1.32	-1.0%	-13.9%	-11.2%	-13.8%	-3.6%	0.20	50.89%	13.0%	95,567
9179	17.37	17.95	16.04	14.97	13.84	12.88	3.3%	-10.6%	-6.7%	-7.5%	-6.9%	0.13	40.27%	14.0%	95,025
0401	10.47	10.77	8.89	8.32	7.10	6.44	2.9%	-17.5%	-6.4%	-14.7%	-9.3%	0.20	61.12%	20.3%	93,684
4717	2.05	2.11	1.92	1.94	1.81	1.76	2.9%	-9.0%	1.0%	-6.7%	-2.8%	0.07	24.30%	11.9%	93,142
0036	6.61	5.93	4.73	4.00	3.18	3.03	-10.3%	-20.2%	-15.4%	-20.5%	-4.7%	0.32	93.15%	15.8%	89,446
1747	1.95	1.99	2.05	2.33	2.56	2.71	2.1%	3.0%	13.7%	9.9%	5.9%	0.14	38.97%	11.6%	89,103
5020	4.23	4.07	3.54	3.23	2.99	2.72	-3.8%	-13.0%	-8.8%	-7.4%	-9.0%	0.17	49.42%	9.2%	88,852
3559	2.36	2.35	2.12	1.91	1.65	1.47	-0.4%	-9.8%	-9.9%	-13.6%	-10.9%	0.19	52.69%	13.2%	88,658
7230	6.01	6.30	6.00	5.54	4.98	4.84	4.8%	-4.8%	-7.7%	-10.1%	-2.8%	0.11	33.85%	14.9%	87,566

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by 2023 Payroll

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
4101	2.22	2.21	1.95	1.84	1.90	2.17	-0.5%	-11.8%	-5.6%	3.3%	14.2%	0.08	39.87%	26.0%	83,769
3307	3.27	2.92	2.48	2.16	1.88	1.85	-10.7%	-15.1%	-12.9%	-13.0%	-1.6%	0.24	65.06%	13.5%	83,232
9062	1.16	1.20	1.08	1.07	0.96	0.97	3.4%	-10.0%	-0.9%	-10.3%	1.0%	0.09	27.97%	13.7%	80,345
4902	2.39	2.34	2.15	1.82	1.63	1.55	-2.1%	-8.1%	-15.3%	-10.4%	-4.9%	0.18	47.52%	13.3%	80,332
8263	4.33	4.58	4.53	4.41	4.41	4.43	5.8%	-1.1%	-2.6%	0.0%	0.5%	0.02	10.26%	8.4%	79,412
8725	1.99	2.05	1.70	1.47	1.32	1.30	3.0%	-17.1%	-13.5%	-10.2%	-1.5%	0.20	53.18%	20.1%	77,495
6503	1.96	2.00	1.92	1.75	1.66	1.73	2.0%	-4.0%	-8.9%	-5.1%	4.2%	0.08	26.58%	13.1%	75,138
5059	24.30	23.46	18.39	16.77	15.04	13.53	-3.5%	-21.6%	-8.8%	-10.3%	-10.0%	0.24	66.18%	18.2%	74,663
8203	5.92	5.86	5.57	6.27	6.02	5.71	-1.0%	-4.9%	12.6%	-4.0%	-5.1%	0.04	30.48%	17.7%	72,189
4240	3.48	3.37	2.90	2.52	2.15	1.96	-3.2%	-13.9%	-13.1%	-14.7%	-8.8%	0.23	65.95%	11.5%	71,291
2041	2.47	2.54	2.36	2.27	2.20	2.09	2.8%	-7.1%	-3.8%	-3.1%	-5.0%	0.07	23.74%	9.9%	70,486
2586	2.50	2.78	2.68	3.05	3.44	3.59	11.2%	-3.6%	13.8%	12.8%	4.4%	0.14	54.32%	17.4%	69,837
3110	4.21	4.19	3.69	3.34	3.09	3.07	-0.5%	-11.9%	-9.5%	-7.5%	-0.6%	0.14	33.21%	11.5%	67,412
4777	3.89	3.86	3.26	3.43	3.61	3.59	-0.8%	-15.5%	5.2%	5.2%	-0.6%	0.07	29.65%	20.8%	64,938
2651	2.21	2.23	1.86	1.53	1.29	1.20	0.9%	-16.6%	-17.7%	-15.7%	-7.0%	0.26	71.43%	18.6%	64,863
8279	5.01	5.10	4.92	4.84	4.93	4.68	1.8%	-3.5%	-1.6%	1.9%	-5.1%	0.03	14.63%	6.9%	62,126
4683	3.58	3.60	3.31	3.61	3.86	4.20	0.6%	-8.1%	9.1%	6.9%	8.8%	0.08	37.88%	17.1%	58,651
3114	3.25	3.35	3.09	2.56	2.20	2.04	3.1%	-7.8%	-17.2%	-14.1%	-7.3%	0.20	59.22%	20.2%	58,467
8204	3.36	3.36	3.01	2.83	2.67	2.39	0.0%	-10.4%	-6.0%	-5.7%	-10.5%	0.13	36.60%	10.5%	58,080
4351	0.83	0.89	0.92	0.97	0.92	0.87	7.2%	3.4%	5.4%	-5.2%	-5.4%	0.05	29.57%	12.7%	56,545
6251	3.06	2.90	2.73	2.74	2.41	2.70	-5.2%	-5.9%	0.4%	-12.0%	12.0%	0.08	40.35%	24.1%	54,769
5472	4.55	4.36	4.75	5.02	5.05	4.97	-4.2%	8.9%	5.7%	0.6%	-1.6%	0.06	22.57%	13.1%	52,080
9170	10.34	10.85	10.05	10.30	9.32	8.58	4.9%	-7.4%	2.5%	-9.5%	-7.9%	0.08	36.50%	14.4%	51,382
2380	1.98	2.00	1.86	1.68	1.72	1.75	1.0%	-7.0%	-9.7%	2.4%	1.7%	0.07	23.48%	12.1%	49,704
4036	2.40	2.25	2.22	2.07	2.01	2.00	-6.3%	-1.3%	-6.8%	-2.9%	-0.5%	0.07	18.86%	6.3%	48,740
2081	4.79	4.79	4.50	4.52	4.00	3.68	0.0%	-6.1%	0.4%	-11.5%	-8.0%	0.10	28.28%	11.9%	48,722
3719	1.04	0.95	0.76	0.65	0.60	0.59	-8.7%	-20.0%	-14.5%	-7.7%	-1.7%	0.25	63.42%	18.3%	47,309
5480	5.08	4.91	4.58	4.37	4.62	4.64	-3.3%	-6.7%	-4.6%	5.7%	0.4%	0.05	22.48%	12.4%	46,968
2735	3.48	3.69	3.54	3.39	3.29	3.39	6.0%	-4.1%	-4.2%	-2.9%	3.0%	0.04	22.01%	10.3%	45,706
3018	4.37	3.87	3.02	2.65	2.58	2.56	-11.4%	-22.0%	-12.3%	-2.6%	-0.8%	0.24	57.81%	21.2%	44,943
3082	4.61	4.76	4.26	3.96	3.72	3.87	3.3%	-10.5%	-7.0%	-6.1%	4.0%	0.10	34.76%	14.5%	44,596
2797	4.75	5.07	4.50	3.76	3.10	2.97	6.7%	-11.2%	-16.4%	-17.6%	-4.2%	0.22	69.35%	24.3%	43,598
2841	3.55	3.94	3.83	3.55	3.40	3.27	11.0%	-2.8%	-7.3%	-4.2%	-3.8%	0.07	32.48%	18.3%	43,487
4263	3.32	3.36	3.26	3.29	3.71	4.04	1.2%	-3.0%	0.9%	12.8%	8.9%	0.09	29.15%	15.7%	42,576
4352	1.65	1.66	1.49	1.36	1.27	1.21	0.6%	-10.2%	-8.7%	-6.6%	-4.7%	0.13	34.64%	10.8%	38,259
3383	1.51	1.55	1.37	1.27	1.19	1.18	2.6%	-11.6%	-7.3%	-6.3%	-0.8%	0.12	31.77%	14.3%	37,959
2799	5.03	4.69	4.37	4.20	4.30	4.68	-6.8%	-6.8%	-3.9%	2.4%	8.8%	0.07	32.02%	15.7%	37,486
3865	2.05	2.47	2.71	2.93	2.69	2.47	20.5%	9.7%	8.1%	-8.2%	-8.2%	0.12	67.28%	28.7%	35,466
2790	1.63	1.80	1.85	1.82	1.65	1.61	10.4%	2.8%	-1.6%	-9.3%	-2.4%	0.06	29.17%	19.8%	34,426
2570	3.77	3.86	3.64	3.14	2.86	3.07	2.4%	-5.7%	-13.7%	-8.9%	7.3%	0.12	43.91%	21.1%	33,555
9186	14.81	13.02	10.84	9.37	7.12	5.98	-12.1%	-16.7%	-13.6%	-24.0%	-16.0%	0.33	113.79%	11.9%	30,733
6003	4.26	4.58	4.55	4.30	4.01	3.67	7.5%	-0.7%	-5.5%	-6.7%	-8.5%	0.08	32.19%	16.0%	30,660
1320	1.40	1.42	1.32	1.28	1.19	1.11	1.4%	-7.0%	-3.0%	-7.0%	-6.7%	0.09	27.78%	8.5%	30,561
8103	1.92	2.24	2.41	2.29	2.05	1.84	16.7%	7.6%	-5.0%	-10.5%	-10.2%	0.11	60.49%	27.1%	30,540
4110	1.21	1.16	1.02	0.90	0.79	0.73	-4.1%	-12.1%	-11.8%	-12.2%	-7.6%	0.20	57.49%	8.1%	30,376
5491	1.54	1.49	1.46	1.39	1.55	1.76	-3.2%	-2.0%	-4.8%	11.5%	13.5%	0.08	39.76%	18.3%	28,504
2288	3.55	3.84	3.65	3.46	3.41	3.41	8.2%	-4.9%	-5.2%	-1.4%	0.0%	0.05	21.16%	13.4%	27,965
7133	2.26	2.57	2.56	2.31	2.11	1.85	13.7%	-0.4%	-9.8%	-8.7%	-12.3%	0.12	52.93%	26.0%	27,680
2417	1.34	1.40	1.40	1.34	1.23	1.11	4.5%	0.0%	-4.3%	-8.2%	-9.8%	0.09	29.40%	14.2%	27,104
1654	3.47	3.45	3.10	3.03	3.13	3.37	-0.6%	-10.1%	-2.3%	3.3%	7.7%	0.06	25.99%	17.8%	26,618
1710	3.03	3.28	3.28	3.15	2.96	2.44	8.3%	0.0%	-4.0%	-6.0%	-17.6%	0.10	40.29%	25.8%	26,395
0016	5.19	4.80	4.03	3.54	3.02	2.77	-7.5%	-16.0%	-12.2%	-14.7%	-8.3%	0.25	73.77%	8.5%	25,960
2960	5.19	4.97	4.27	3.96	3.59	3.35	-4.2%	-14.1%	-7.3%	-9.3%	-6.7%	0.17	48.80%	9.8%	25,548
6045	3.12	3.52	3.44	3.39	3.05	2.56	12.8%	-2.3%	-1.5%	-10.0%	-16.1%	0.11	49.50%	28.9%	25,447
0079	3.57	3.42	2.97	2.58	2.18	1.96	-4.2%	-13.2%	-13.1%	-15.5%	-10.1%	0.24	69.63%	11.3%	24,396
3041	4.07	3.96	3.34	3.05	2.90	2.83	-2.7%	-15.7%	-8.7%	-4.9%	-2.4%	0.16	38.71%	13.2%	23,989
5037	10.46	9.86	8.07	6.71	6.41	6.38	-5.7%	-18.2%	-16.9%	-4.5%	-0.5%	0.23	53.23%	17.7%	23,718
2702	15.86	15.80	14.82	14.67	12.59	12.69	-0.4%	-6.2%	-1.0%	-14.2%	0.8%	0.10	23.93%	15.0%	22,315
4062	2.63	2.67	2.39	2.12	1.98	1.78	1.5%	-10.5%	-11.3%	-6.6%	-10.1%	0.16	46.53%	12.8%	22,058
7317	8.02	7.99	6.40	5.12	4.10	3.28	-0.4%	-19.9%	-20.0%	-19.9%	-20.0%	0.34	107.83%	19.6%	21,582
3315	3.04	2.97	2.52	2.37	2.20	2.18	-2.3%	-15.2%	-6.0%	-7.2%	-0.9%	0.15	34.98%	14.2%	21,238
7309	10.26	9.20	7.36	5.89	4.72	4.74	-10.3%	-20.0%	-20.0%	-19.9%	0.4%	0.33	91.20%	20.4%	19,417
0113	4.54	4.39	3.89	3.81	3.53	3.23	-3.3%	-11.4%	-2.1%	-7.3%	-8.5%	0.13	36.78%	9.3%	17,973
7420	6.86	6.50	5.41	5.07	5.34	5.94	-5.2%	-16.8%	-6.3%	5.3%	11.2%	0.12	53.03%	28.0%	17,393
1165	3.12	3.00	2.47	2.27	2.02	2.07	-3.8%	-17.7%	-8.1%	-11.0%	2.5%	0.19	50.26%	20.1%	16,640
4581	1.58	1.91	1.56	1.31	1.09	0.96	20.9%	-18.3%	-16.0%	-16.8%	-11.9%	0.25	116.95%	39.2%	16,533
3131	1.81	1.79	1.61	1.44	1.23	1.15	-1.1%	-10.1%	-10.6%	-14.6%	-6.5%	0.19	50.13%	13.5%	15,786
8745	3.49	3.19	2.90	2.79	2.75	2.66	-8.6%	-9.1%	-3.8%	-1.4%	-3.3%	0.11	28.81%	7.7%	15,089
3822	3.50	3.45	3.24	3.09	2.96	3.02	-1.4%	-6.1%	-4.6%	-4.2%	2.0%	0.07	19.70%	8.1%	14,916

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by 2023 Payroll

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
6005	4.55	4.32	3.91	3.61	3.25	2.84	-5.1%	-9.5%	-7.7%	-10.0%	-12.6%	0.17	53.38%	7.6%	14,492
2503	1.31	1.21	1.12	1.02	0.94	0.89	-7.6%	-7.4%	-8.9%	-7.8%	-5.3%	0.15	43.07%	3.6%	14,259
2835	2.22	2.26	2.15	2.16	1.96	1.81	1.8%	-4.9%	0.5%	-9.3%	-7.7%	0.08	26.15%	11.1%	14,083
4038	3.83	3.71	3.29	3.09	2.89	2.70	-3.1%	-11.3%	-6.1%	-6.5%	-6.6%	0.14	38.20%	8.2%	14,082
4420	3.92	3.89	3.50	2.90	2.55	2.34	-0.8%	-10.0%	-17.1%	-12.1%	-8.2%	0.21	57.53%	16.4%	14,080
8606	1.69	1.68	1.46	1.33	1.18	1.06	-0.6%	-13.1%	-8.9%	-11.3%	-10.2%	0.18	51.89%	12.5%	13,808
4431	1.26	1.26	1.17	1.07	0.92	0.85	0.0%	-7.1%	-8.5%	-14.0%	-7.6%	0.16	42.69%	14.0%	13,690
2220	1.92	2.03	2.03	2.01	1.94	1.91	5.7%	0.0%	-1.0%	-3.5%	-1.5%	0.03	12.20%	9.2%	13,453
4432	1.21	1.20	1.10	1.05	1.01	1.07	-0.8%	-8.3%	-4.5%	-3.8%	5.9%	0.07	25.59%	14.3%	12,873
2105	3.42	4.00	3.88	3.66	3.41	3.27	17.0%	-3.0%	-5.7%	-6.8%	-4.1%	0.08	41.58%	23.8%	12,647
4665	9.01	9.02	6.89	6.36	6.09	6.00	0.1%	-23.6%	-7.7%	-4.2%	-1.5%	0.20	40.98%	23.7%	12,647
0170	1.99	1.99	1.95	1.82	1.61	1.41	0.0%	-2.0%	-6.7%	-11.5%	-12.4%	0.13	36.44%	12.4%	12,132
2923	1.85	1.77	1.52	1.39	1.28	1.35	-4.3%	-14.1%	-8.6%	-7.9%	5.5%	0.15	47.10%	19.6%	12,109
3119	1.37	1.41	1.30	1.16	1.03	0.97	2.9%	-7.8%	-10.8%	-11.2%	-5.8%	0.15	44.63%	14.1%	12,015
4206	2.34	2.49	2.49	2.47	2.53	2.46	6.4%	0.0%	-0.8%	2.4%	-2.8%	0.03	12.91%	9.2%	11,873
6252	2.95	2.79	2.91	2.92	2.95	3.11	-5.4%	4.3%	0.3%	1.0%	5.4%	0.04	17.52%	10.8%	11,354
5402	3.72	4.26	4.45	3.83	3.71	3.61	14.5%	4.5%	-13.9%	-3.1%	-2.7%	0.09	44.35%	28.4%	10,955
4493	4.44	3.66	2.87	2.36	1.96	1.73	-17.6%	-21.6%	-17.8%	-16.9%	-11.7%	0.37	119.98%	9.9%	10,754
4568	3.71	3.30	2.84	2.66	2.45	2.31	-11.1%	-13.9%	-6.3%	-7.9%	-5.7%	0.19	53.47%	8.2%	10,610
2362	1.73	1.94	1.98	2.03	2.03	1.94	12.1%	2.1%	2.5%	0.0%	-4.4%	0.06	22.54%	16.6%	9,744
7402	0.10	0.10	0.09	0.09	0.08	0.07	0.0%	-10.0%	0.0%	-11.1%	-12.5%	0.13	37.50%	12.5%	9,554
3118	2.05	1.99	1.78	1.63	1.56	1.52	-2.9%	-10.6%	-8.4%	-4.3%	-2.6%	0.13	31.98%	8.0%	9,399
0251	3.35	3.38	3.11	2.98	2.74	2.51	0.9%	-8.0%	-4.2%	-8.1%	-8.4%	0.11	32.95%	9.3%	9,399
3132	3.68	4.45	4.33	4.05	3.86	3.75	20.9%	-2.7%	-6.5%	-4.7%	-2.8%	0.08	42.36%	27.4%	9,169
3111	2.15	2.08	1.75	1.64	1.62	1.67	-3.3%	-15.9%	-6.3%	-1.2%	3.1%	0.13	32.68%	19.0%	9,112
2413	2.52	2.65	2.32	2.06	1.77	1.73	5.2%	-12.5%	-11.2%	-14.1%	-2.3%	0.18	53.41%	19.2%	9,019
6216	3.96	4.01	3.77	3.48	3.09	2.74	1.3%	-6.0%	-7.7%	-11.2%	-11.3%	0.14	43.09%	12.6%	8,552
3515	2.59	2.57	2.33	2.02	1.76	1.62	-0.8%	-9.3%	-13.3%	-12.9%	-8.0%	0.19	52.12%	12.5%	8,549
3385	0.82	0.88	0.86	0.86	0.82	0.80	7.3%	-2.3%	0.0%	-4.7%	-2.4%	0.04	17.66%	12.0%	8,127
3004	1.77	1.71	1.39	1.19	1.08	1.08	-3.4%	-18.7%	-14.4%	-9.2%	0.0%	0.23	53.38%	18.7%	8,092
2587	1.73	1.95	1.96	2.07	2.16	2.06	12.7%	0.5%	5.6%	4.3%	-4.6%	0.07	30.64%	17.3%	7,093
3851	2.69	2.38	2.04	1.80	1.57	1.54	-11.5%	-14.3%	-11.8%	-12.8%	-1.9%	0.23	63.72%	12.4%	6,740
2915	3.35	3.32	2.95	2.51	2.24	2.23	-0.9%	-11.1%	-14.9%	-10.8%	-0.4%	0.19	43.37%	14.5%	6,073
2065	1.75	1.70	1.60	1.54	1.44	1.47	-2.9%	-5.9%	-3.8%	-6.5%	2.1%	0.08	22.84%	8.6%	5,141
4111	1.73	1.79	1.66	1.70	1.57	1.62	3.5%	-7.3%	2.4%	-7.6%	3.2%	0.05	26.24%	11.1%	4,915
4751	1.75	2.05	2.12	2.33	2.19	2.19	17.1%	3.4%	9.9%	-6.0%	0.0%	0.09	41.14%	23.2%	4,648
2701	10.48	10.42	9.34	9.26	8.63	8.14	-0.6%	-10.4%	-0.9%	-6.8%	-5.7%	0.10	26.35%	9.8%	4,622
2709	16.56	19.92	14.35	11.10	9.02	7.79	20.3%	-28.0%	-22.6%	-18.7%	-13.6%	0.36	154.73%	48.3%	4,607
1430	5.40	5.22	4.95	4.49	4.09	4.01	-3.3%	-5.2%	-9.3%	-8.9%	-2.0%	0.12	31.89%	7.3%	4,501
4653	1.29	1.41	1.45	1.54	1.61	1.62	9.3%	2.8%	6.2%	4.5%	0.6%	0.09	25.58%	8.7%	4,459
1005	5.21	5.70	5.29	4.64	4.10	3.83	9.4%	-7.2%	-12.3%	-11.6%	-6.6%	0.15	56.69%	21.7%	4,189
9600	2.96	3.17	2.87	2.57	2.29	2.09	7.1%	-9.5%	-10.5%	-10.9%	-8.7%	0.16	56.13%	18.0%	4,170
2836	2.16	2.48	2.42	2.30	2.10	1.96	14.8%	-2.4%	-5.0%	-8.7%	-6.7%	0.09	43.10%	23.5%	3,874
9019	1.80	1.94	1.83	1.97	1.93	1.87	7.8%	-5.7%	7.7%	-2.0%	-3.1%	0.04	28.98%	13.4%	3,819
7350	10.48	9.46	7.57	6.06	4.85	4.07	-9.7%	-20.0%	-19.9%	-20.0%	-16.1%	0.36	119.92%	10.2%	3,732
3827	2.35	2.39	2.10	1.78	1.57	1.49	1.7%	-12.1%	-15.2%	-11.8%	-5.1%	0.20	54.41%	16.9%	3,497
6213	1.15	1.11	1.23	1.32	1.37	1.53	-3.5%	10.8%	7.3%	3.8%	11.7%	0.12	42.63%	15.2%	2,977
6882	3.32	3.16	2.81	2.60	2.30	2.07	-4.8%	-11.1%	-7.5%	-11.5%	-10.0%	0.18	53.53%	6.7%	2,925
3027	2.45	2.28	2.03	1.83	1.71	1.92	-6.9%	-11.0%	-9.9%	-6.6%	12.3%	0.14	55.96%	23.2%	2,834
2361	1.80	1.74	1.60	1.53	1.48	1.57	-3.3%	-8.0%	-4.4%	-3.3%	6.1%	0.08	27.66%	14.1%	2,750
7540	2.55	2.51	2.31	2.27	2.11	1.99	-1.6%	-8.0%	-1.7%	-7.0%	-5.7%	0.10	26.22%	6.4%	2,541
4923	0.97	0.99	0.93	0.93	1.00	1.04	2.1%	-6.1%	0.0%	7.5%	4.0%	0.04	21.05%	13.6%	2,253
2110	1.80	1.76	1.70	1.79	1.98	2.15	-2.2%	-3.4%	5.3%	10.6%	8.6%	0.09	33.69%	14.0%	2,190
8709	4.35	4.12	3.30	2.64	2.12	1.70	-5.3%	-19.9%	-20.0%	-19.7%	-19.8%	0.35	117.25%	14.7%	2,179
2402	2.46	2.54	2.34	2.16	1.95	1.73	3.3%	-7.9%	-7.7%	-9.7%	-11.3%	0.14	46.46%	14.5%	2,062
4133	1.80	1.96	1.93	2.02	2.00	2.11	8.9%	-1.5%	4.7%	-1.0%	5.5%	0.05	23.28%	10.4%	2,028
6235	5.33	5.18	4.74	4.06	3.62	3.32	-2.8%	-8.5%	-14.3%	-10.8%	-8.3%	0.19	53.09%	11.5%	1,898
8209	3.57	3.56	3.24	2.95	2.72	2.71	-0.3%	-9.0%	-9.0%	-7.8%	-0.4%	0.13	28.83%	8.7%	1,758
3042	4.76	4.79	4.28	3.72	3.17	2.87	0.6%	-10.6%	-13.1%	-14.8%	-9.5%	0.21	58.21%	15.4%	1,678
8719	1.76	1.73	1.60	1.51	1.35	1.20	-1.7%	-7.5%	-5.6%	-10.6%	-11.1%	0.14	41.93%	9.4%	1,509
7335	2.05	2.19	2.26	2.15	1.97	1.82	6.8%	3.2%	-4.9%	-8.4%	-7.6%	0.08	34.83%	15.2%	1,470
5705	22.38	19.95	17.45	15.23	13.32	11.52	-10.9%	-12.5%	-12.7%	-12.5%	-13.5%	0.25	79.64%	2.7%	1,454
2112	3.57	3.57	3.35	3.27	3.21	3.08	0.0%	-6.2%	-2.4%	-1.8%	-4.0%	0.06	15.18%	6.2%	1,408
5443	2.80	2.82	2.52	2.18	2.05	1.96	0.7%	-10.6%	-13.5%	-6.0%	-4.4%	0.16	39.89%	14.2%	1,380
2714	4.62	4.50	4.11	3.76	3.60	3.59	-2.6%	-8.7%	-8.5%	-4.3%	-0.3%	0.11	26.48%	8.4%	1,368
1016	12.52	14.64	15.75	15.73	14.22	12.14	16.9%	7.6%	-0.1%	-9.6%	-14.6%	0.11	58.24%	31.6%	1,277
7024	2.60	2.93	2.72	2.41	2.34	2.28	12.7%	-7.2%	-11.4%	-2.9%	-2.6%	0.10	41.99%	24.1%	1,156
7090	5.67	5.33	4.82	4.60	4.34	4.08	-6.0%	-9.6%	-4.6%	-5.7%	-6.0%	0.13	35.99%	5.0%	944
6237	1.19	1.16	1.06	1.01	1.00	0.97	-2.5%	-8.6%	-4.7%	-1.0%	-3.0%	0.08	21.30%	7.6%	899

NCCI Missouri Loss Cost Filing Effective January 1, 2025

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by 2023 Payroll

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
5703	10.02	11.90	12.83	12.59	12.05	10.23	18.8%	7.8%	-1.9%	-4.3%	-15.1%	0.10	56.58%	33.9%	896
6826	4.21	3.93	3.15	2.72	2.50	2.00	-6.7%	-19.8%	-13.7%	-8.1%	-20.0%	0.28	88.42%	13.3%	537
6824	7.27	6.64	5.33	4.83	4.44	3.84	-8.7%	-19.7%	-9.4%	-8.1%	-13.5%	0.24	74.58%	11.7%	473
2916	3.71	3.41	3.04	2.70	2.48	2.48	-8.1%	-10.9%	-11.2%	-8.1%	0.0%	0.17	44.07%	11.2%	440
3122	2.03	2.08	1.89	1.72	1.52	1.53	2.5%	-9.1%	-9.0%	-11.6%	0.7%	0.14	36.95%	14.1%	440
9089	0.99	0.94	0.82	0.74	0.68	0.66	-5.1%	-12.8%	-9.8%	-8.1%	-2.9%	0.17	44.69%	9.8%	433
7222	5.63	5.80	5.68	5.45	4.98	4.68	3.0%	-2.1%	-4.0%	-8.6%	-6.0%	0.08	26.00%	11.6%	408
8726	1.78	1.82	1.46	1.17	0.99	0.80	2.2%	-19.8%	-19.9%	-15.4%	-19.2%	0.31	101.89%	22.1%	404
4021	6.19	5.40	4.62	4.00	3.56	3.29	-12.8%	-14.4%	-13.4%	-11.0%	-7.6%	0.25	74.79%	6.9%	319
6872	10.12	9.12	7.30	5.84	4.76	4.74	-9.9%	-20.0%	-20.0%	-18.5%	-0.4%	0.33	88.21%	19.6%	315
0913	394.00	423.00	417.00	397.00	362.00	348.00	7.4%	-1.4%	-4.8%	-8.8%	-3.9%	0.08	28.97%	16.2%	302
0908	116.00	117.00	111.00	105.00	101.00	96.00	0.9%	-5.1%	-5.4%	-3.8%	-5.0%	0.08	21.77%	6.3%	248
2174	2.76	2.93	2.70	2.60	2.47	2.50	6.2%	-7.8%	-3.7%	-5.0%	1.2%	0.07	26.18%	14.0%	216
6206	2.10	2.28	2.05	1.85	1.73	1.68	8.6%	-10.1%	-9.8%	-6.5%	-2.9%	0.12	43.73%	18.7%	199
4207	1.80	1.92	1.97	1.89	1.72	1.75	6.7%	2.6%	-4.1%	-9.0%	1.7%	0.05	26.30%	15.7%	100
7098	10.44	10.54	9.72	9.15	8.49	8.14	1.0%	-7.8%	-5.9%	-7.2%	-4.1%	0.11	28.59%	8.7%	10
2211	9.36	8.97	7.79	6.98	6.28	6.28	-4.2%	-13.2%	-10.4%	-10.0%	0.0%	0.18	43.18%	13.2%	8
2302	1.62	1.71	1.69	1.65	1.57	1.61	5.6%	-1.2%	-2.4%	-4.8%	2.5%	0.03	17.54%	10.4%	3
3334	1.80	1.79	1.64	1.58	1.62	1.63	-0.6%	-8.4%	-3.7%	2.5%	0.6%	0.06	16.54%	10.9%	0
8233	1.97	1.96	1.76	1.73	1.94	2.07	-0.5%	-10.2%	-1.7%	12.1%	6.7%	0.07	34.79%	22.3%	0
7395	3.92	4.14	3.95	3.79	3.54	3.46	5.6%	-4.6%	-4.1%	-6.6%	-2.3%	0.07	25.28%	12.2%	0
2172	1.47	1.48	1.37	1.33	1.31	1.38	0.7%	-7.4%	-2.9%	-1.5%	5.3%	0.05	19.03%	12.8%	0
1322	6.10	6.44	6.30	6.03	5.57	5.27	5.6%	-2.2%	-4.3%	-7.6%	-5.4%	0.08	27.59%	13.2%	0
7313	3.38	3.25	2.60	2.08	1.87	2.09	-3.8%	-20.0%	-20.0%	-10.1%	11.8%	0.25	84.01%	31.8%	0
3642	1.21	1.12	1.11	1.16	1.17	1.11	-7.4%	-0.9%	4.5%	0.9%	-5.1%	0.04	20.12%	11.9%	0
0059	0.12	0.12	0.11	0.10	N/A	N/A	0.0%	-8.3%	-9.1%			0.09		9.1%	0
0065	0.04	0.04	0.04	0.04	N/A	N/A	0.0%	0.0%	0.0%			0.00		0.0%	0
0066	0.04	0.04	0.04	0.04	N/A	N/A	0.0%	0.0%	0.0%			0.00		0.0%	0
0067	0.04	0.04	0.04	0.04	N/A	N/A	0.0%	0.0%	0.0%			0.00		0.0%	0
0771	0.44	0.44	0.43	0.42	0.39	0.37	0.0%	-2.3%	-2.3%	-7.1%	-5.1%	0.07	17.88%	7.1%	0
1748	5.31	5.60	5.27	4.92	4.50	4.22	5.5%	-5.9%	-6.6%	-8.5%	-6.2%	0.11	37.30%	14.0%	0
2114	2.96	2.92	2.51	2.26	1.99	1.83	-1.4%	-14.0%	-10.0%	-11.9%	-8.0%	0.20	53.72%	12.7%	0
2416	1.80	1.94	1.98	2.12	2.07	1.96	7.8%	2.1%	7.1%	-2.4%	-5.3%	0.06	26.96%	13.1%	0
2600	3.72	4.08	4.02	3.96	3.78	3.59	9.7%	-1.5%	-1.5%	-4.5%	-5.0%	0.05	24.02%	14.7%	0
3224	2.85	3.12	3.15	3.03	2.79	2.62	9.5%	1.0%	-3.8%	-7.9%	-6.1%	0.07	31.37%	17.4%	0
3255	2.24	2.37	2.29	2.30	2.07	2.05	5.8%	-3.4%	0.4%	-10.0%	-1.0%	0.06	22.01%	15.8%	0
4131	4.55	4.58	4.13	3.91	4.02	4.13	0.7%	-9.8%	-5.3%	2.8%	2.7%	0.07	22.99%	12.6%	0
6214	1.58	1.52	1.36	1.19	1.11	1.05	-3.8%	-10.5%	-12.5%	-6.7%	-5.4%	0.17	45.19%	8.7%	0
6236	5.22	5.14	4.57	4.04	3.59	3.31	-1.5%	-11.1%	-11.6%	-11.1%	-7.8%	0.18	50.80%	10.1%	0
6702	3.45	3.54	3.17	2.95	2.71	2.64	2.6%	-10.5%	-6.9%	-8.1%	-2.6%	0.12	34.44%	13.1%	0
6703	5.60	6.48	5.77	5.37	4.89	4.71	15.7%	-11.0%	-6.9%	-8.9%	-3.7%	0.12	55.07%	26.7%	0
6704	3.83	3.93	3.52	3.28	3.01	2.93	2.6%	-10.4%	-6.8%	-8.2%	-2.7%	0.12	34.49%	13.0%	0
6835	2.59	2.62	2.41	2.32	2.17	2.07	1.2%	-8.0%	-3.7%	-6.5%	-4.6%	0.09	26.24%	9.2%	0
6874	15.18	14.63	11.71	9.37	7.50	6.00	-3.6%	-20.0%	-20.0%	-20.0%	-20.0%	0.35	114.69%	16.4%	0
6884	5.16	5.03	4.51	4.24	3.84	3.54	-2.5%	-10.3%	-6.0%	-9.4%	-7.8%	0.15	41.45%	7.8%	0
7016	2.34	2.64	2.45	2.17	2.11	2.05	12.8%	-7.2%	-11.4%	-2.8%	-2.8%	0.10	42.43%	24.2%	0
7038	5.10	4.80	4.34	4.14	3.91	3.67	-5.9%	-9.6%	-4.6%	-5.6%	-6.1%	0.12	35.98%	5.0%	0
7046	9.40	9.49	8.75	8.24	7.64	7.33	1.0%	-7.8%	-5.8%	-7.3%	-4.1%	0.11	28.57%	8.8%	0
7047	3.24	4.83	4.46	3.95	3.80	3.67	49.1%	-7.7%	-11.4%	-3.8%	-3.4%	0.14	91.99%	60.5%	0
7050	8.73	8.79	7.90	7.53	7.04	6.56	0.7%	-10.1%	-4.7%	-6.5%	-6.8%	0.12	32.06%	10.8%	0
7099	15.63	17.38	15.92	14.99	13.78	13.09	11.2%	-8.4%	-5.8%	-8.1%	-5.0%	0.10	44.78%	19.6%	0
7151	2.75	3.12	3.11	2.81	2.56	2.25	13.5%	-0.3%	-9.6%	-8.9%	-12.1%	0.12	52.36%	25.6%	0
7152	4.40	5.72	5.66	5.11	4.62	4.02	30.0%	-1.0%	-9.7%	-9.6%	-13.0%	0.14	78.46%	43.0%	0
7153	3.05	3.47	3.46	3.12	2.85	2.50	13.8%	-0.3%	-9.8%	-8.7%	-12.3%	0.12	52.88%	26.1%	0
7327	19.03	18.71	14.97	11.98	9.59	7.68	-1.7%	-20.0%	-20.0%	-19.9%	-19.9%	0.35	110.55%	18.3%	0
7333	1.85	1.97	2.03	1.94	1.77	1.64	6.5%	3.0%	-4.4%	-8.8%	-7.3%	0.08	33.79%	15.2%	0
7337	3.15	3.61	3.70	3.52	3.20	2.93	14.6%	2.5%	-4.9%	-9.1%	-8.4%	0.09	45.71%	23.7%	0
7394	3.53	3.73	3.56	3.41	3.19	3.11	5.7%	-4.6%	-4.0%	-6.5%	-2.5%	0.07	25.64%	12.1%	0
7398	5.47	6.83	6.47	6.21	5.75	5.56	24.9%	-5.3%	-4.0%	-7.4%	-3.3%	0.09	51.71%	32.3%	0
7445	0.64	0.66	0.58	0.57	0.51	0.45	3.1%	-12.1%	-1.7%	-10.5%	-11.8%	0.14	45.29%	15.2%	0
7453	0.53	0.56	0.48	0.42	0.34	0.30	5.7%	-14.3%	-12.5%	-19.0%	-11.8%	0.24	80.75%	24.7%	0
8734	0.32	0.34	0.32	0.27	0.24	0.23	6.3%	-5.9%	-15.6%	-11.1%	-4.2%	0.16	50.55%	21.9%	0
8737	0.29	0.30	0.29	0.24	0.22	0.21	3.4%	-3.3%	-17.2%	-8.3%	-4.5%	0.15	41.94%	20.7%	0
8738	0.49	0.56	0.53	0.44	0.39	0.37	14.3%	-5.4%	-17.0%	-11.4%	-5.1%	0.16	64.91%	31.3%	0
8805	0.15	0.15	0.15	0.14	0.12	0.11	0.0%	0.0%	-6.7%	-14.3%	-8.3%	0.13	32.06%	14.3%	0
8814	0.13	0.13	0.13	0.12	0.11	0.10	0.0%	0.0%	-7.7%	-8.3%	-9.1%	0.11	27.27%	9.1%	0
8815	0.23	0.24	0.24	0.22	0.20	0.17	4.3%	0.0%	-8.3%	-9.1%	-15.0%	0.13	41.82%	19.3%	0
9077	2.42	2.43	2.91	3.49	3.78	3.55	0.4%	19.8%	19.9%	8.3%	-6.1%	0.19	65.70%	26.0%	0

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Absolute Change

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
2709	16.56	19.92	14.35	11.10	9.02	7.79	20.3%	-28.0%	-22.6%	-18.7%	-13.6%	0.36	154.73%	48.3%	4,607
1438	12.64	12.78	11.16	8.26	6.03	4.73	1.1%	-12.7%	-26.0%	-27.0%	-21.6%	0.37	121.57%	27.1%	417,622
4493	4.44	3.66	2.87	2.36	1.96	1.73	-17.6%	-21.6%	-17.8%	-16.9%	-11.7%	0.37	119.98%	4.0%	10,754
7350	10.48	9.46	7.57	6.06	4.85	4.07	-9.7%	-20.0%	-19.9%	-20.0%	-16.1%	0.36	119.92%	10.2%	3,732
7538	5.13	5.10	4.08	3.24	2.33	1.94	-0.6%	-20.0%	-20.6%	-28.1%	-16.7%	0.38	117.64%	20.0%	2,011,526
8709	4.35	4.12	3.30	2.64	2.12	1.70	-5.3%	-19.9%	-20.0%	-19.7%	-19.8%	0.35	117.25%	14.7%	2,179
4581	1.58	1.91	1.56	1.31	1.09	0.96	20.9%	-18.3%	-16.0%	-16.8%	-11.9%	0.25	116.95%	39.2%	16,533
6874	15.18	14.63	11.71	9.37	7.50	6.00	-3.6%	-20.0%	-20.0%	-20.0%	-20.0%	0.35	114.69%	16.4%	0
9186	14.81	13.02	10.84	9.37	7.12	5.98	-12.1%	-16.7%	-13.6%	-24.0%	-16.0%	0.33	113.79%	4.7%	30,733
7327	19.03	18.71	14.97	11.98	9.59	7.68	-1.7%	-20.0%	-20.0%	-19.9%	-19.9%	0.35	110.55%	18.3%	0
7317	8.02	7.99	6.40	5.12	4.10	3.28	-0.4%	-19.9%	-20.0%	-19.9%	-20.0%	0.34	107.83%	19.6%	21,582
7502	2.47	2.07	1.50	1.32	1.16	1.29	-16.2%	-27.5%	-12.0%	-12.1%	11.2%	0.32	106.95%	15.5%	147,823
8726	1.78	1.82	1.46	1.17	0.99	0.80	2.2%	-19.8%	-19.9%	-15.4%	-19.2%	0.31	101.89%	22.1%	404
7422	1.73	1.52	1.23	1.09	0.91	0.78	-12.1%	-19.1%	-11.4%	-16.5%	-14.3%	0.30	98.05%	7.7%	200,116
3574	1.72	2.08	2.18	2.01	1.67	1.31	20.9%	4.8%	-7.8%	-16.9%	-21.6%	0.18	94.17%	28.7%	1,718,790
0036	6.61	5.93	4.73	4.00	3.18	3.03	-10.3%	-20.2%	-15.4%	-20.5%	-4.7%	0.32	93.15%	9.9%	89,446
7047	3.24	4.83	4.46	3.95	3.80	3.67	49.1%	-7.7%	-11.4%	-3.8%	-3.4%	0.14	91.99%	60.5%	0
7309	10.26	9.20	7.36	5.89	4.72	4.74	-10.3%	-20.0%	-20.0%	-19.9%	0.4%	0.33	91.20%	9.7%	19,417
5040	11.04	9.71	8.20	7.31	6.12	5.31	-12.0%	-15.6%	-10.9%	-16.3%	-13.2%	0.27	88.98%	4.7%	143,207
6826	4.21	3.93	3.15	2.72	2.50	2.00	-6.7%	-19.8%	-13.7%	-8.1%	-20.0%	0.28	88.42%	13.2%	537
6872	10.12	9.12	7.30	5.84	4.76	4.74	-9.9%	-20.0%	-20.0%	-18.5%	-0.4%	0.33	88.21%	10.1%	315
5223	5.27	4.97	4.08	3.29	2.85	2.54	-5.7%	-17.9%	-19.4%	-13.4%	-10.9%	0.29	86.99%	13.7%	280,995
6825	2.74	2.58	2.07	1.66	1.33	1.30	-5.8%	-19.8%	-19.8%	-19.9%	-2.3%	0.32	86.17%	14.0%	244,480
8901	0.17	0.16	0.15	0.13	0.09	0.08	-5.9%	-6.3%	-13.3%	-30.8%	-11.1%	0.29	85.26%	7.5%	12,544,477
7313	3.38	3.25	2.60	2.08	1.87	2.09	-3.8%	-20.0%	-20.0%	-10.1%	11.8%	0.25	84.01%	16.2%	0
7453	0.53	0.56	0.48	0.42	0.34	0.30	5.7%	-14.3%	-12.5%	-19.0%	-11.8%	0.24	80.75%	19.9%	0
5705	22.38	19.95	17.45	15.23	13.32	11.52	-10.9%	-12.5%	-12.7%	-12.5%	-13.5%	0.25	79.64%	1.9%	1,454
8723	0.14	0.14	0.11	0.09	0.08	0.07	0.0%	-21.4%	-18.2%	-11.1%	-12.5%	0.29	79.38%	21.4%	32,518,271
7431	0.99	1.04	0.89	0.78	0.63	0.56	5.1%	-14.4%	-12.4%	-19.2%	-11.1%	0.24	78.92%	19.5%	416,502
7152	4.40	5.72	5.66	5.11	4.62	4.02	30.0%	-1.0%	-9.7%	-9.6%	-13.0%	0.14	78.46%	39.7%	0
6834	3.09	2.62	2.18	1.86	1.71	1.61	-15.2%	-16.8%	-14.7%	-8.1%	-5.8%	0.27	76.51%	2.1%	1,317,130
6204	8.43	7.30	6.07	5.64	5.08	4.42	-13.4%	-16.8%	-7.1%	-9.9%	-13.0%	0.24	76.26%	9.8%	191,378
2157	5.97	5.32	4.31	3.66	3.19	3.11	-10.9%	-19.0%	-15.1%	-12.8%	-2.5%	0.28	75.63%	8.1%	1,180,821
8803	0.06	0.05	0.05	0.05	0.04	0.03	-16.7%	0.0%	0.0%	-20.0%	-25.0%	0.22	75.00%	16.7%	19,974,264
8871	0.06	0.06	0.06	0.05	0.04	0.03	0.0%	0.0%	-16.7%	-20.0%	-25.0%	0.25	75.00%	16.7%	26,433,036
4021	6.19	5.40	4.62	4.00	3.56	3.29	-12.8%	-14.4%	-13.4%	-11.0%	-7.6%	0.25	74.79%	1.7%	319
6824	7.27	6.64	5.33	4.83	4.44	3.84	-8.7%	-19.7%	-9.4%	-8.1%	-13.5%	0.24	74.58%	11.1%	473
0016	5.19	4.80	4.03	3.54	3.02	2.77	-7.5%	-16.0%	-12.2%	-14.7%	-8.3%	0.25	73.77%	8.5%	25,960
2651	2.21	2.23	1.86	1.53	1.29	1.20	0.9%	-16.6%	-17.7%	-15.7%	-7.0%	0.26	71.43%	18.6%	64,863
0079	3.57	3.42	2.97	2.58	2.18	1.96	-4.2%	-13.2%	-13.1%	-15.5%	-10.1%	0.24	69.63%	9.0%	24,396
7225	6.02	7.28	7.68	7.12	6.41	5.60	20.9%	5.5%	-7.3%	-10.0%	-12.6%	0.12	69.55%	28.2%	464,960
2797	4.75	5.07	4.50	3.76	3.10	2.97	6.7%	-11.2%	-16.4%	-17.6%	-4.2%	0.22	69.35%	23.2%	43,598
7425	2.02	1.82	1.49	1.28	1.10	1.10	-9.9%	-18.1%	-14.1%	-14.1%	0.0%	0.26	68.96%	8.2%	354,818
9516	2.63	2.35	2.07	1.78	1.57	1.46	-10.6%	-11.9%	-14.0%	-11.8%	-7.0%	0.23	68.89%	3.4%	544,195
5478	5.05	4.41	3.80	3.38	3.10	2.81	-12.7%	-13.8%	-11.1%	-8.3%	-9.4%	0.22	68.66%	2.8%	755,660
6319	3.42	3.30	3.10	2.60	2.14	1.88	-3.5%	-6.1%	-16.1%	-17.7%	-12.1%	0.23	68.27%	12.6%	931,411
9505	3.98	3.87	3.24	2.76	2.38	2.20	-2.8%	-16.3%	-14.8%	-13.8%	-7.6%	0.24	67.89%	13.5%	128,134
3865	2.05	2.47	2.71	2.93	2.69	2.47	20.5%	9.7%	8.1%	-8.2%	-8.2%	0.12	67.28%	12.4%	35,466
8861	1.14	1.25	1.09	0.99	0.88	0.78	9.6%	-12.8%	-9.2%	-11.1%	-11.4%	0.17	67.08%	22.4%	7,769,781
2660	2.70	2.83	2.53	2.13	1.77	1.66	4.8%	-10.6%	-15.8%	-16.9%	-6.2%	0.22	66.70%	20.6%	308,731
5059	24.30	23.46	18.39	16.77	15.04	13.53	-3.5%	-21.6%	-8.8%	-10.3%	-10.0%	0.24	66.18%	18.2%	74,663
2623	6.02	5.79	5.05	4.39	3.85	3.40	-3.8%	-12.8%	-13.1%	-12.3%	-11.7%	0.22	66.06%	9.2%	247,910
4240	3.48	3.37	2.90	2.52	2.15	1.96	-3.2%	-13.9%	-13.1%	-14.7%	-8.8%	0.23	65.95%	10.8%	71,291
9077	2.42	2.43	2.91	3.49	3.78	3.55	0.4%	19.8%	19.9%	8.3%	-6.1%	0.19	65.70%	19.5%	0
3307	3.27	2.92	2.48	2.16	1.88	1.85	-10.7%	-15.1%	-12.9%	-13.0%	-1.6%	0.24	65.06%	4.4%	83,232
8738	0.49	0.56	0.53	0.44	0.39	0.37	14.3%	-5.4%	-17.0%	-11.4%	-5.1%	0.16	64.91%	31.3%	0
5057	3.66	4.34	4.27	3.74	3.10	2.98	18.6%	-1.6%	-12.4%	-17.1%	-3.9%	0.15	64.77%	31.0%	288,750
8826	1.74	1.87	1.76	1.55	1.27	1.15	7.5%	-5.9%	-11.9%	-18.1%	-9.4%	0.19	64.59%	19.4%	3,843,527
3851	2.69	2.38	2.04	1.80	1.57	1.54	-11.5%	-14.3%	-11.8%	-12.8%	-1.9%	0.23	63.72%	2.8%	6,740
3719	1.04	0.95	0.76	0.65	0.60	0.59	-8.7%	-20.0%	-14.5%	-7.7%	-1.7%	0.25	63.42%	11.3%	47,309
3807	2.02	2.28	2.05	1.75	1.60	1.68	12.9%	-10.1%	-14.6%	-8.6%	5.0%	0.14	62.38%	27.5%	265,315
8855	0.14	0.14	0.13	0.11	0.09	0.08	0.0%	-7.1%	-15.4%	-18.2%	-11.1%	0.23	62.34%	15.4%	42,572,768
9014	2.43	2.27	2.11	1.89	1.63	1.42	-6.6%	-7.0%	-10.4%	-13.8%	-12.9%	0.20	61.79%	3.8%	6,105,174
8293	7.18	7.09	6.01	5.30	4.53	4.17	-1.3%	-15.2%	-11.8%	-14.5%	-7.9%	0.22	61.29%	14.0%	726,412
0401	10.47	10.77	8.89	8.32	7.10	6.44	2.9%	-17.5%	-6.4%	-14.7%	-9.3%	0.20	61.12%	20.3%	93,684
3169	2.22	2.48	2.17	1.88	1.75	1.85	11.7%	-12.5%	-13.4%	-6.9%	5.7%	0.14	61.03%	25.1%	137,692
8103	1.92	2.24	2.41	2.29	2.05	1.84	16.7%	7.6%	-5.0%	-10.5%	-10.2%	0.11	60.49%	21.6%	30,540
3114	3.25	3.35	3.09	2.56	2.20	2.04	3.1%	-7.8%	-17.2%	-14.1%	-7.3%	0.20	59.22%	20.2%	58,467
9522	3.60	4.35	4.74	5.40	5.57	5.41	20.8%	9.0%	13.9%	3.1%	-2.9%	0.16	59.17%	11.9%	649,926

NCCI Missouri Loss Cost Filing Effective January 1, 2025

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Absolute Change

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
8856	0.30	0.36	0.40	0.39	0.34	0.33	20.0%	11.1%	-2.5%	-12.8%	-2.9%	0.11	58.72%	22.5%	268,612
1016	12.52	14.64	15.75	15.73	14.22	12.14	16.9%	7.6%	-0.1%	-9.6%	-14.6%	0.11	58.24%	17.1%	1,277
3042	4.76	4.79	4.28	3.72	3.17	2.87	0.6%	-10.6%	-13.1%	-14.8%	-9.5%	0.21	58.21%	13.7%	1,678
3648	1.46	1.55	1.39	1.20	1.04	0.99	6.2%	-10.3%	-13.7%	-13.3%	-4.8%	0.18	58.14%	19.8%	105,389
3018	4.37	3.87	3.02	2.65	2.58	2.56	-11.4%	-22.0%	-12.3%	-2.6%	-0.8%	0.24	57.81%	10.5%	44,943
4420	3.92	3.89	3.50	2.90	2.55	2.34	-0.8%	-10.0%	-17.1%	-12.1%	-8.2%	0.21	57.53%	16.4%	14,080
4110	1.21	1.16	1.02	0.90	0.79	0.73	-4.1%	-12.1%	-11.8%	-12.2%	-7.6%	0.20	57.49%	7.9%	30,376
8106	4.17	4.56	4.32	3.96	3.51	3.04	9.4%	-5.3%	-8.3%	-11.4%	-13.4%	0.14	57.47%	17.7%	610,559
3270	3.65	3.62	3.23	2.86	2.43	2.19	-0.8%	-10.8%	-11.5%	-15.0%	-9.9%	0.20	57.34%	10.6%	156,285
2501	2.45	2.53	2.21	2.01	1.75	1.58	3.3%	-12.6%	-9.0%	-12.9%	-9.7%	0.18	57.18%	15.9%	1,343,907
7421	0.55	0.58	0.56	0.49	0.44	0.37	5.5%	-3.4%	-12.5%	-10.2%	-15.9%	0.16	56.77%	18.0%	430,862
1005	5.21	5.70	5.29	4.64	4.10	3.83	9.4%	-7.2%	-12.3%	-11.6%	-6.6%	0.15	56.69%	21.7%	4,189
5703	10.02	11.90	12.83	12.59	12.05	10.23	18.8%	7.8%	-1.9%	-4.3%	-15.1%	0.10	56.58%	20.6%	896
4000	4.50	3.99	3.50	3.29	2.93	2.74	-11.3%	-12.3%	-6.0%	-10.9%	-6.5%	0.19	56.54%	6.3%	162,802
3826	1.00	1.07	0.91	0.82	0.75	0.70	7.0%	-15.0%	-9.9%	-8.5%	-6.7%	0.16	56.48%	22.0%	165,686
9600	2.96	3.17	2.87	2.57	2.29	2.09	7.1%	-9.5%	-10.5%	-10.9%	-8.7%	0.16	56.13%	17.5%	4,170
3027	2.45	2.28	2.03	1.83	1.71	1.92	-6.9%	-11.0%	-9.9%	-6.6%	12.3%	0.14	55.96%	4.0%	2,834
6400	5.06	4.94	4.65	4.28	3.60	3.06	-2.4%	-5.9%	-8.0%	-15.9%	-15.0%	0.19	55.93%	5.6%	324,507
7580	2.23	2.50	2.17	2.13	1.87	1.73	12.1%	-13.2%	-1.8%	-12.2%	-7.5%	0.13	55.88%	25.3%	427,110
8603	0.06	0.07	0.06	0.06	0.05	0.05	16.7%	-14.3%	0.0%	-16.7%	0.0%	0.13	55.56%	31.0%	6,856,078
9156	2.10	2.19	2.00	1.69	1.44	1.49	4.3%	-8.7%	-15.5%	-14.8%	3.5%	0.18	55.48%	19.8%	478,337
3081	3.95	4.27	3.84	3.33	3.04	3.22	8.1%	-10.1%	-13.3%	-8.7%	5.9%	0.13	55.20%	21.4%	140,965
3300	3.93	4.28	4.46	4.20	3.60	3.13	8.9%	4.2%	-5.8%	-14.3%	-13.1%	0.13	55.18%	14.7%	380,344
4686	2.41	2.16	1.89	1.65	1.57	1.66	-10.4%	-12.5%	-12.7%	-4.8%	5.7%	0.18	55.13%	2.3%	162,764
6703	5.60	6.48	5.77	5.37	4.89	4.71	15.7%	-11.0%	-6.9%	-8.9%	-3.7%	0.12	55.07%	26.7%	0
9016	2.85	2.83	2.53	2.33	1.93	1.74	-0.7%	-10.6%	-7.9%	-17.2%	-9.8%	0.19	54.68%	9.9%	683,659
3827	2.35	2.39	2.10	1.78	1.57	1.49	1.7%	-12.1%	-15.2%	-11.8%	-5.1%	0.20	54.41%	16.9%	3,497
0106	7.12	6.74	5.92	5.48	4.93	4.41	-5.3%	-12.2%	-7.4%	-10.0%	-10.5%	0.18	54.41%	6.8%	1,012,590
2586	2.50	2.78	2.68	3.05	3.44	3.59	11.2%	-3.6%	13.8%	12.8%	4.4%	0.14	54.32%	17.4%	69,837
6836	3.02	3.09	2.80	2.44	2.17	1.96	2.3%	-9.4%	-12.9%	-11.1%	-9.7%	0.18	53.86%	15.2%	237,577
8820	0.13	0.11	0.10	0.09	0.08	0.08	-15.4%	-9.1%	-10.0%	-11.1%	0.0%	0.20	53.85%	6.3%	15,705,850
9554	7.50	7.40	6.64	5.48	4.75	4.59	-1.3%	-10.3%	-17.5%	-13.3%	-3.4%	0.21	53.76%	16.1%	190,737
2114	2.96	2.92	2.51	2.26	1.99	1.83	-1.4%	-14.0%	-10.0%	-11.9%	-8.0%	0.20	53.72%	12.7%	0
9101	3.13	3.36	2.93	2.65	2.27	2.24	7.3%	-12.8%	-9.6%	-14.3%	-1.3%	0.17	53.68%	20.1%	2,711,500
9154	1.47	1.63	1.42	1.42	1.29	1.13	10.9%	-12.9%	0.0%	-9.2%	-12.4%	0.12	53.58%	23.8%	1,135,252
6882	3.32	3.16	2.81	2.60	2.30	2.07	-4.8%	-11.1%	-7.5%	-11.5%	-10.0%	0.18	53.53%	6.3%	2,925
4568	3.71	3.30	2.84	2.66	2.45	2.31	-11.1%	-13.9%	-6.3%	-7.9%	-5.7%	0.19	53.47%	7.6%	10,610
2413	2.52	2.65	2.32	2.06	1.77	1.73	5.2%	-12.5%	-11.2%	-14.1%	-2.3%	0.18	53.41%	17.6%	9,019
6005	4.55	4.32	3.91	3.61	3.25	2.84	-5.1%	-9.5%	-7.7%	-10.0%	-12.6%	0.17	53.38%	4.4%	14,492
3004	1.77	1.71	1.39	1.19	1.08	1.08	-3.4%	-18.7%	-14.4%	-9.2%	0.0%	0.23	53.38%	15.3%	8,092
5037	10.46	9.86	8.07	6.71	6.41	6.38	-5.7%	-18.2%	-16.9%	-4.5%	-0.5%	0.23	53.23%	12.4%	23,718
8725	1.99	2.05	1.70	1.47	1.32	1.30	3.0%	-17.1%	-13.5%	-10.2%	-1.5%	0.20	53.18%	20.1%	77,495
6235	5.33	5.18	4.74	4.06	3.62	3.32	-2.8%	-8.5%	-14.3%	-10.8%	-8.3%	0.19	53.09%	11.5%	1,898
7420	6.86	6.50	5.41	5.07	5.34	5.94	-5.2%	-16.8%	-6.3%	5.3%	11.2%	0.12	53.03%	11.5%	17,393
7133	2.26	2.57	2.56	2.31	2.11	1.85	13.7%	-0.4%	-9.8%	-8.7%	-12.3%	0.12	52.93%	23.5%	27,680
7153	3.05	3.47	3.46	3.12	2.85	2.50	13.8%	-0.3%	-9.8%	-8.7%	-12.3%	0.12	52.88%	23.6%	0
3559	2.36	2.35	2.12	1.91	1.65	1.47	-0.4%	-9.8%	-9.9%	-13.6%	-10.9%	0.19	52.69%	9.5%	88,658
7403	3.88	4.26	3.56	3.21	3.02	3.10	9.8%	-16.4%	-9.8%	-5.9%	2.6%	0.14	52.65%	26.2%	2,283,688
7151	2.75	3.12	3.11	2.81	2.56	2.25	13.5%	-0.3%	-9.6%	-8.9%	-12.1%	0.12	52.36%	23.1%	0
8602	0.96	1.11	1.00	1.05	0.94	0.91	15.6%	-9.9%	5.0%	-10.5%	-3.2%	0.07	52.12%	25.5%	316,762
3515	2.59	2.57	2.33	2.02	1.76	1.62	-0.8%	-9.3%	-13.3%	-12.9%	-8.0%	0.19	52.12%	12.5%	8,549
1924	3.58	3.32	2.72	2.45	2.27	2.31	-7.3%	-18.1%	-9.9%	-7.3%	1.8%	0.20	52.08%	10.8%	141,113
1925	3.25	3.35	3.06	2.62	2.24	2.32	3.1%	-8.7%	-14.4%	-14.5%	3.6%	0.17	51.92%	17.5%	471,662
8606	1.69	1.68	1.46	1.33	1.18	1.06	-0.6%	-13.1%	-8.9%	-11.3%	-10.2%	0.18	51.89%	12.5%	13,808
7398	5.47	6.83	6.47	6.21	5.75	5.56	24.9%	-5.3%	-4.0%	-7.4%	-3.3%	0.09	51.71%	30.1%	0
5403	4.98	4.92	4.49	3.78	3.19	3.10	-1.2%	-8.7%	-15.8%	-15.6%	-2.8%	0.21	51.50%	14.6%	3,768,708
4635	2.94	2.77	2.39	2.06	1.89	1.85	-5.8%	-13.7%	-13.8%	-8.3%	-2.1%	0.20	51.34%	8.0%	467,563
8013	0.32	0.34	0.32	0.30	0.26	0.23	6.3%	-5.9%	-6.3%	-13.3%	-11.5%	0.14	51.10%	12.5%	1,771,504
5213	5.39	4.86	4.65	4.20	3.82	3.43	-9.8%	-4.3%	-9.7%	-9.0%	-10.2%	0.16	51.03%	5.5%	1,716,469
3635	2.10	2.08	1.79	1.59	1.37	1.32	-1.0%	-13.9%	-11.2%	-13.8%	-3.6%	0.20	50.89%	13.0%	95,567
9012	0.77	0.71	0.65	0.56	0.52	0.49	-7.8%	-8.5%	-13.8%	-7.1%	-5.8%	0.18	50.82%	6.1%	7,677,942
6236	5.22	5.14	4.57	4.04	3.59	3.31	-1.5%	-11.1%	-11.6%	-11.1%	-7.8%	0.18	50.80%	10.1%	0
8734	0.32	0.34	0.32	0.27	0.24	0.23	6.3%	-5.9%	-15.6%	-11.1%	-4.2%	0.16	50.55%	21.9%	0
1165	3.12	3.00	2.47	2.27	2.02	2.07	-3.8%	-17.7%	-8.1%	-11.0%	2.5%	0.19	50.26%	13.8%	16,640
3131	1.81	1.79	1.61	1.44	1.23	1.15	-1.1%	-10.1%	-10.6%	-14.6%	-6.5%	0.19	50.13%	9.5%	15,786
6233	1.89	2.07	2.03	1.77	1.57	1.46	9.5%	-1.9%	-12.8%	-11.3%	-7.0%	0.14	49.99%	22.3%	198,504
3685	1.16	1.09	0.96	0.85	0.75	0.74	-6.0%	-11.9%	-11.5%	-11.8%	-1.3%	0.19	49.81%	5.9%	1,671,634
6306	4.92	4.53	4.20	3.92	3.59	3.17	-7.9%	-7.3%	-6.7%	-8.4%	-11.7%	0.16	49.57%	1.3%	564,662
2883	2.83	2.74	2.46	2.25	1.91	1.81	-3.2%	-10.2%	-8.5%	-15.1%	-5.2%	0.18	49.52%	7.0%	2,115,812

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Absolute Change

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
4304	5.73	5.07	4.40	4.10	3.75	3.67	-11.5%	-13.2%	-6.8%	-8.5%	-2.1%	0.18	49.50%	6.4%	143,402
6045	3.12	3.52	3.44	3.39	3.05	2.56	12.8%	-2.3%	-1.5%	-10.0%	-16.1%	0.11	49.50%	15.1%	25,447
5020	4.23	4.07	3.54	3.23	2.99	2.72	-3.8%	-13.0%	-8.8%	-7.4%	-9.0%	0.17	49.42%	9.2%	88,852
2960	5.19	4.97	4.27	3.96	3.59	3.35	-4.2%	-14.1%	-7.3%	-9.3%	-6.7%	0.17	48.80%	9.8%	25,548
8755	0.31	0.30	0.28	0.26	0.23	0.20	-3.2%	-6.7%	-7.1%	-11.5%	-13.0%	0.16	48.75%	3.9%	685,499
8832	0.23	0.23	0.20	0.22	0.19	0.18	0.0%	-13.0%	10.0%	-13.6%	-5.3%	0.10	48.74%	23.0%	52,286,502
3681	0.73	0.72	0.62	0.57	0.51	0.47	-1.4%	-13.9%	-8.1%	-10.5%	-7.8%	0.18	48.71%	12.5%	3,677,943
2021	2.06	2.49	2.57	2.49	2.26	2.13	20.9%	3.2%	-3.1%	-9.2%	-5.8%	0.09	48.61%	24.0%	103,783
1452	2.81	2.96	2.72	2.46	2.19	2.03	5.3%	-8.1%	-9.6%	-11.0%	-7.3%	0.14	48.57%	14.9%	110,457
9063	0.69	0.76	0.68	0.63	0.58	0.55	10.1%	-10.5%	-7.4%	-7.9%	-5.2%	0.12	48.36%	20.7%	2,842,500
9178	10.14	10.32	9.48	8.62	7.57	6.82	1.8%	-8.1%	-9.1%	-12.2%	-9.9%	0.16	48.01%	10.8%	128,998
3638	1.88	2.18	2.15	2.07	1.89	1.67	16.0%	-1.4%	-3.7%	-8.7%	-11.6%	0.10	47.96%	19.7%	168,136
5645	9.19	8.95	8.40	7.50	6.76	5.98	-2.6%	-6.1%	-10.7%	-9.9%	-11.5%	0.16	47.77%	8.1%	2,850,404
2143	2.17	2.31	2.17	1.92	1.69	1.61	6.5%	-6.1%	-11.5%	-12.0%	-4.7%	0.14	47.67%	18.0%	220,449
2095	3.23	3.42	3.18	2.86	2.61	2.38	5.9%	-7.0%	-10.1%	-8.7%	-8.8%	0.14	47.57%	15.9%	2,381,992
4902	2.39	2.34	2.15	1.82	1.63	1.55	-2.1%	-8.1%	-15.3%	-10.4%	-4.9%	0.18	47.52%	13.3%	80,332
4018	4.95	5.34	5.11	4.77	4.07	3.78	7.9%	-4.3%	-6.7%	-14.7%	-7.1%	0.13	47.43%	14.5%	164,153
3620	3.69	3.64	3.28	2.83	2.65	2.40	-1.4%	-9.9%	-13.7%	-6.4%	-9.4%	0.17	47.42%	12.4%	754,367
2089	3.17	3.13	2.77	2.36	2.10	2.05	-1.3%	-11.5%	-14.8%	-11.0%	-2.4%	0.19	47.33%	13.5%	2,462,460
2759	6.08	5.91	5.23	4.69	4.05	3.95	-2.8%	-11.5%	-10.3%	-13.6%	-2.5%	0.18	47.26%	8.7%	400,324
2710	12.46	12.62	11.52	10.76	9.40	8.34	1.3%	-8.7%	-6.6%	-12.6%	-11.3%	0.16	47.12%	10.0%	115,235
2923	1.85	1.77	1.52	1.39	1.28	1.35	-4.3%	-14.1%	-8.6%	-7.9%	5.5%	0.15	47.10%	9.8%	12,109
5537	3.83	3.66	3.19	2.85	2.55	2.50	-4.4%	-12.8%	-10.7%	-10.5%	-2.0%	0.18	46.96%	8.4%	4,756,879
8058	2.33	2.49	2.33	2.18	1.92	1.76	6.9%	-6.4%	-6.4%	-11.9%	-8.3%	0.13	46.78%	13.3%	2,662,659
8292	3.42	3.52	3.23	3.01	2.63	2.38	2.9%	-8.2%	-6.8%	-12.6%	-9.5%	0.15	46.75%	11.2%	2,097,181
8742	0.24	0.25	0.24	0.20	0.18	0.17	4.2%	-4.0%	-16.7%	-10.0%	-5.6%	0.16	46.75%	20.8%	73,208,577
8720	1.04	1.02	0.97	0.85	0.74	0.68	-1.9%	-4.9%	-12.4%	-12.9%	-8.1%	0.17	46.70%	10.4%	3,149,433
8215	3.50	3.71	3.28	2.86	2.74	2.59	6.0%	-11.6%	-12.8%	-4.2%	-5.5%	0.14	46.64%	18.8%	1,374,111
4062	2.63	2.67	2.39	2.12	1.98	1.78	1.5%	-10.5%	-11.3%	-6.6%	-10.1%	0.16	46.53%	12.8%	22,058
9093	1.23	1.16	1.02	0.91	0.86	0.81	-5.7%	-12.1%	-10.8%	-5.5%	-5.8%	0.17	46.48%	6.4%	255,390
2402	2.46	2.54	2.34	2.16	1.95	1.73	3.3%	-7.9%	-7.7%	-9.7%	-11.3%	0.14	46.46%	11.1%	2,062
8748	0.49	0.51	0.48	0.45	0.40	0.35	4.1%	-5.9%	-6.2%	-11.1%	-12.5%	0.14	46.36%	10.3%	4,975,398
5146	4.38	4.46	3.97	3.43	3.11	2.98	1.8%	-11.0%	-13.6%	-9.3%	-4.2%	0.17	46.23%	15.4%	378,173
7520	2.78	2.55	2.42	2.24	2.04	1.84	-8.3%	-5.1%	-7.4%	-8.9%	-9.8%	0.15	46.23%	3.2%	1,259,871
7539	1.69	1.62	1.53	1.35	1.16	1.11	-4.1%	-5.6%	-11.8%	-14.1%	-4.3%	0.17	46.19%	7.6%	727,272
3220	2.15	2.19	2.00	1.79	1.57	1.47	1.9%	-8.7%	-10.5%	-12.3%	-6.4%	0.16	46.10%	12.4%	380,326
4511	0.41	0.40	0.36	0.32	0.28	0.27	-2.4%	-10.0%	-11.1%	-12.5%	-3.6%	0.18	45.88%	8.7%	4,310,478
4114	3.11	3.11	2.73	2.40	2.13	2.04	0.0%	-12.2%	-12.1%	-11.3%	-4.2%	0.18	45.85%	12.2%	246,550
7337	3.15	3.61	3.70	3.52	3.20	2.93	14.6%	2.5%	-4.9%	-9.1%	-8.4%	0.09	45.71%	19.5%	0
4611	0.98	1.07	1.02	0.93	0.81	0.78	9.2%	-4.7%	-8.8%	-12.9%	-3.7%	0.12	45.62%	18.0%	3,278,743
1803	7.16	7.24	6.98	6.39	5.32	4.80	1.1%	-3.6%	-8.5%	-16.7%	-9.8%	0.16	45.59%	9.6%	242,797
3179	2.01	2.08	1.84	1.65	1.53	1.43	3.5%	-11.5%	-10.3%	-7.3%	-6.5%	0.15	45.53%	15.0%	2,417,069
5221	3.94	4.15	3.79	3.53	3.22	2.92	5.3%	-8.7%	-6.9%	-8.8%	-9.3%	0.13	45.46%	14.0%	3,854,375
7445	0.64	0.66	0.58	0.57	0.51	0.45	3.1%	-12.1%	-1.7%	-10.5%	-11.8%	0.14	45.29%	15.2%	0
6214	1.58	1.52	1.36	1.19	1.11	1.05	-3.8%	-10.5%	-12.5%	-6.7%	-5.4%	0.17	45.19%	8.7%	0
5348	3.73	3.50	3.12	2.93	2.71	2.49	-6.2%	-10.9%	-6.1%	-7.5%	-8.1%	0.15	45.13%	4.8%	747,567
3303	2.01	2.04	1.85	1.98	2.09	2.42	1.5%	-9.3%	7.0%	5.6%	15.8%	0.09	45.13%	16.3%	373,948
8721	0.25	0.26	0.25	0.23	0.20	0.18	4.0%	-3.8%	-8.0%	-13.0%	-10.0%	0.14	45.04%	12.0%	496,463
7515	0.99	0.95	0.86	0.79	0.75	0.66	-4.0%	-9.5%	-8.1%	-5.1%	-12.0%	0.15	44.93%	5.4%	363,449
9402	3.87	4.17	3.98	3.81	3.47	3.01	7.8%	-4.6%	-4.3%	-8.9%	-13.3%	0.11	44.92%	12.3%	619,638
7405	1.19	1.22	1.08	1.05	0.95	0.83	2.5%	-11.5%	-2.8%	-9.5%	-12.6%	0.14	44.90%	14.0%	164,852
7099	15.63	17.38	15.92	14.99	13.78	13.09	11.2%	-8.4%	-5.8%	-8.1%	-5.0%	0.10	44.78%	19.6%	0
9089	0.99	0.94	0.82	0.74	0.68	0.66	-5.1%	-12.8%	-9.8%	-8.1%	-2.9%	0.17	44.69%	7.7%	433
3119	1.37	1.41	1.30	1.16	1.03	0.97	2.9%	-7.8%	-10.8%	-11.2%	-5.8%	0.15	44.63%	13.7%	12,015
8031	1.98	2.01	1.89	1.72	1.50	1.36	1.5%	-6.0%	-9.0%	-12.8%	-9.3%	0.15	44.59%	10.5%	253,691
3803	2.00	2.28	2.18	1.94	1.93	2.10	14.0%	-4.4%	-11.0%	-0.5%	8.8%	0.07	44.48%	25.0%	142,743
8032	1.70	1.75	1.66	1.50	1.27	1.20	2.9%	-5.1%	-9.6%	-15.3%	-5.5%	0.15	44.41%	12.6%	344,125
5402	3.72	4.26	4.45	4.83	3.71	3.61	14.5%	4.5%	-13.9%	-3.1%	-2.7%	0.09	44.35%	28.4%	10,955
2916	3.71	3.41	3.04	2.70	2.48	2.48	-8.1%	-10.9%	-11.2%	-8.1%	0.0%	0.17	44.07%	3.1%	440
2570	3.77	3.86	3.64	3.14	2.86	3.07	2.4%	-5.7%	-13.7%	-8.9%	7.3%	0.12	43.91%	16.1%	33,555
6206	2.10	2.28	2.05	1.85	1.73	1.68	8.6%	-10.1%	-9.8%	-6.5%	-2.9%	0.12	43.73%	18.7%	199
2388	1.52	1.55	1.37	1.27	1.11	1.16	2.0%	-11.6%	-7.3%	-12.6%	4.5%	0.14	43.70%	13.6%	191,464
9102	2.50	2.48	2.26	2.19	1.90	1.67	-0.8%	-8.9%	-3.1%	-13.2%	-12.1%	0.15	43.63%	8.1%	3,551,576
2915	3.35	3.32	2.95	2.51	2.24	2.23	-0.9%	-11.1%	-14.9%	-10.8%	-0.4%	0.19	43.37%	14.0%	6,073
3726	3.18	3.25	3.17	2.91	2.36	2.21	2.2%	-2.5%	-8.2%	-18.9%	-6.4%	0.16	43.28%	10.4%	235,756
0008	2.53	2.39	2.13	1.92	1.86	1.71	-5.5%	-10.9%	-9.9%	-3.1%	-8.1%	0.15	43.26%	5.3%	116,705
2211	9.36	8.97	7.79	6.98	6.28	6.28	-4.2%	-13.2%	-10.4%	-10.0%	0.0%	0.18	43.18%	9.0%	8
3400	4.20	4.31	3.98	3.56	3.08	2.98	2.6%	-7.7%	-10.6%	-13.5%	-3.2%	0.15	43.10%	13.2%	1,479,508
2836	2.16	2.48	2.42	2.30	2.10	1.96	14.8%	-2.4%	-5.0%	-8.7%	-6.7%	0.09	43.10%	19.8%	3,874

NCCI Missouri Loss Cost Filing Effective January 1, 2025

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Absolute Change

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
3643	2.41	2.68	2.75	2.61	2.37	2.15	11.2%	2.6%	-5.1%	-9.2%	-9.3%	0.09	43.10%	16.3%	2,697,140
6216	3.96	4.01	3.77	3.48	3.09	2.74	1.3%	-6.0%	-7.7%	-11.2%	-11.3%	0.14	43.09%	9.0%	8,552
2503	1.31	1.21	1.12	1.02	0.94	0.89	-7.6%	-7.4%	-8.9%	-7.8%	-5.3%	0.15	43.07%	1.5%	14,259
9061	1.30	1.25	1.09	1.01	0.96	0.88	-3.8%	-12.8%	-7.3%	-5.0%	-8.3%	0.15	42.96%	9.0%	374,157
4431	1.26	1.26	1.17	1.07	0.92	0.85	0.0%	-7.1%	-8.5%	-14.0%	-7.6%	0.16	42.69%	8.5%	13,690
8288	6.89	6.96	6.16	5.77	5.32	4.76	1.0%	-11.5%	-6.3%	-7.8%	-10.5%	0.15	42.69%	12.5%	159,626
6213	1.15	1.11	1.23	1.32	1.37	1.53	-3.5%	10.8%	7.3%	3.8%	11.7%	0.12	42.63%	14.3%	2,977
8044	2.26	2.20	1.88	1.76	1.65	1.53	-2.7%	-14.5%	-6.4%	-6.3%	-7.3%	0.16	42.58%	11.9%	1,987,009
8381	2.10	2.06	1.88	1.58	1.42	1.43	-1.9%	-8.7%	-16.0%	-10.1%	0.7%	0.18	42.50%	14.1%	256,971
7016	2.34	2.64	2.45	2.17	2.11	2.05	12.8%	-7.2%	-11.4%	-2.8%	-2.8%	0.10	42.43%	24.2%	0
3132	3.68	4.45	4.33	4.05	3.86	3.75	20.9%	-2.7%	-6.5%	-4.7%	-2.8%	0.08	42.36%	27.4%	9,169
5462	4.99	4.67	3.88	3.54	3.39	3.36	-6.4%	-16.9%	-8.8%	-4.2%	-0.9%	0.18	42.30%	10.5%	425,352
8047	0.84	0.77	0.68	0.61	0.65	0.65	-8.3%	-11.7%	-10.3%	6.6%	0.0%	0.12	42.20%	3.4%	917,919
8824	1.88	1.91	1.67	1.60	1.46	1.32	1.6%	-12.6%	-4.2%	-8.8%	-9.6%	0.14	42.01%	14.2%	8,493,704
7024	2.60	2.93	2.72	2.41	2.34	2.28	12.7%	-7.2%	-11.4%	-2.9%	-2.6%	0.10	41.99%	24.1%	1,156
8737	0.29	0.30	0.29	0.24	0.22	0.21	3.4%	-3.3%	-17.2%	-8.3%	-4.5%	0.15	41.94%	20.7%	0
8719	1.76	1.73	1.60	1.51	1.35	1.20	-1.7%	-7.5%	-5.6%	-10.6%	-11.1%	0.14	41.93%	5.8%	1,509
8815	0.23	0.24	0.24	0.22	0.20	0.17	4.3%	0.0%	-8.3%	-9.1%	-15.0%	0.13	41.82%	12.7%	0
2105	3.42	4.00	3.88	3.66	3.41	3.27	17.0%	-3.0%	-5.7%	-6.8%	-4.1%	0.08	41.58%	22.6%	12,647
6884	5.16	5.03	4.51	4.24	3.84	3.54	-2.5%	-10.3%	-6.0%	-9.4%	-7.8%	0.15	41.45%	7.8%	0
5479	6.14	6.14	5.81	5.50	4.81	4.18	0.0%	-5.4%	-5.3%	-12.5%	-13.1%	0.15	41.28%	5.4%	224,022
5437	4.04	4.45	4.01	3.88	3.74	3.40	10.1%	-9.9%	-3.2%	-3.6%	-9.1%	0.09	41.24%	20.0%	1,606,638
4751	1.75	2.05	2.12	2.33	2.19	2.19	17.1%	3.4%	9.9%	-6.0%	0.0%	0.09	41.14%	13.7%	4,648
8015	0.73	0.68	0.59	0.53	0.51	0.52	-6.8%	-13.2%	-10.2%	-3.8%	2.0%	0.16	41.04%	6.4%	472,577
4665	9.01	9.02	6.89	6.36	6.09	6.00	0.1%	-23.6%	-7.7%	-4.2%	-1.5%	0.20	40.98%	23.7%	12,647
8102	1.92	2.01	1.75	1.58	1.52	1.45	4.7%	-12.9%	-9.7%	-3.8%	-4.6%	0.13	40.84%	17.6%	356,593
3372	3.13	2.99	2.66	2.33	2.15	2.15	-4.5%	-11.0%	-12.4%	-7.7%	0.0%	0.17	40.47%	7.9%	200,397
8833	1.04	1.07	0.96	0.90	0.79	0.76	2.9%	-10.3%	-6.2%	-12.2%	-3.8%	0.14	40.42%	13.2%	29,110,162
5445	4.38	3.97	3.43	3.13	3.06	3.01	-9.4%	-13.6%	-8.7%	-2.2%	-1.6%	0.16	40.38%	4.9%	2,180,414
6251	3.06	2.90	2.73	2.74	2.41	2.70	-5.2%	-5.9%	0.4%	-12.0%	12.0%	0.08	40.35%	6.2%	54,769
1710	3.03	3.28	3.28	3.15	2.96	2.44	8.3%	0.0%	-4.0%	-6.0%	-17.6%	0.10	40.29%	12.2%	26,395
9179	17.37	17.95	16.04	14.97	13.84	12.88	3.3%	-10.6%	-6.7%	-7.5%	-6.9%	0.13	40.27%	14.0%	95,025
5443	2.80	2.82	2.52	2.18	2.05	1.96	0.7%	-10.6%	-13.5%	-6.0%	-4.4%	0.16	39.89%	14.2%	1,380
4101	2.22	2.21	1.95	1.84	1.90	2.17	-0.5%	-11.8%	-5.6%	3.3%	14.2%	0.08	39.87%	11.3%	83,769
5160	2.02	1.96	1.64	1.49	1.43	1.39	-3.0%	-16.3%	-9.1%	-4.0%	-2.8%	0.17	39.81%	13.4%	568,254
5491	1.54	1.49	1.46	1.39	1.55	1.76	-3.2%	-2.0%	-4.8%	11.5%	13.5%	0.08	39.76%	2.8%	28,504
9052	1.71	1.66	1.51	1.42	1.26	1.19	-2.9%	-9.0%	-6.0%	-11.3%	-5.6%	0.14	39.66%	6.1%	5,224,026
5190	2.50	2.49	2.21	2.02	1.78	1.73	-0.4%	-11.2%	-8.6%	-11.9%	-2.8%	0.16	39.52%	10.8%	7,098,661
5222	6.74	6.70	6.23	5.27	5.09	4.66	-0.6%	-7.0%	-15.4%	-3.4%	-8.4%	0.15	39.34%	14.8%	285,346
3824	4.04	3.91	3.11	2.98	2.80	2.76	-3.2%	-20.5%	-4.2%	-6.0%	-1.4%	0.17	39.32%	17.2%	1,125,870
1747	1.95	1.99	2.05	2.33	2.56	2.71	2.1%	3.0%	13.7%	9.9%	5.9%	0.14	38.97%	11.6%	89,103
2731	3.68	3.47	3.01	2.78	2.70	2.83	-5.7%	-13.3%	-7.6%	-2.9%	4.8%	0.13	38.96%	7.5%	477,666
2121	1.18	1.26	1.15	0.98	0.96	0.98	6.8%	-8.7%	-14.8%	-2.0%	2.1%	0.12	38.82%	21.6%	1,070,616
3041	4.07	3.96	3.34	3.05	2.90	2.83	-2.7%	-15.7%	-8.7%	-4.9%	-2.4%	0.16	38.71%	13.0%	23,989
5610	4.25	3.68	3.63	3.41	3.24	2.97	-13.4%	-1.4%	-6.1%	-5.0%	-8.3%	0.12	38.66%	12.1%	168,289
4361	0.71	0.67	0.61	0.58	0.54	0.50	-5.6%	-9.0%	-4.9%	-6.9%	-7.4%	0.13	38.64%	4.0%	675,337
4243	2.06	2.21	1.95	1.84	1.69	1.71	7.3%	-11.8%	-5.6%	-8.2%	1.2%	0.11	38.61%	19.0%	1,019,207
8033	1.51	1.55	1.41	1.35	1.21	1.12	2.6%	-9.0%	-4.3%	-10.4%	-7.4%	0.12	38.36%	11.7%	5,497,198
0034	2.41	2.62	2.49	2.37	2.28	2.02	8.7%	-5.0%	-4.8%	-3.8%	-11.4%	0.09	38.31%	13.7%	618,087
0035	2.07	2.03	1.79	1.67	1.48	1.45	-1.9%	-11.8%	-6.7%	-11.4%	-2.0%	0.15	38.21%	9.9%	644,153
8728	0.37	0.41	0.42	0.40	0.37	0.34	10.8%	2.4%	-4.8%	-7.5%	-8.1%	0.08	38.20%	15.6%	671,111
4038	3.83	3.71	3.29	3.09	2.89	2.70	-3.1%	-11.3%	-6.1%	-6.5%	-6.6%	0.14	38.20%	8.2%	14,082
3227	2.89	2.83	2.75	2.49	2.31	2.03	-2.1%	-2.8%	-9.5%	-7.2%	-12.1%	0.13	38.12%	7.4%	276,326
8831	1.14	1.14	0.99	0.91	0.84	0.80	0.0%	-13.2%	-8.1%	-7.7%	-4.8%	0.15	37.98%	13.2%	4,115,728
8387	2.55	2.48	2.16	2.11	1.88	1.79	-2.7%	-12.9%	-2.3%	-10.9%	-4.8%	0.14	37.93%	10.6%	3,072,130
4683	3.58	3.60	3.31	3.61	3.86	4.20	0.6%	-8.1%	9.1%	6.9%	8.8%	0.08	37.88%	17.1%	58,651
6229	3.91	4.14	4.13	3.80	3.40	3.10	5.9%	-0.2%	-8.0%	-10.5%	-8.8%	0.11	37.86%	13.9%	154,269
4692	0.82	0.86	0.78	0.73	0.66	0.64	4.9%	-9.3%	-6.4%	-9.6%	-3.0%	0.12	37.73%	14.2%	353,933
8002	1.62	1.78	1.71	1.61	1.47	1.40	9.9%	-3.9%	-5.8%	-8.7%	-4.8%	0.09	37.64%	15.7%	757,785
3881	3.69	3.57	3.24	3.00	2.83	2.62	-3.3%	-9.2%	-7.4%	-5.7%	-7.4%	0.13	37.52%	6.0%	284,092
7402	0.10	0.10	0.09	0.09	0.08	0.07	0.0%	-10.0%	0.0%	-11.1%	-12.5%	0.13	37.50%	10.0%	9,554
1748	5.31	5.60	5.27	4.92	4.50	4.22	5.5%	-5.9%	-6.6%	-8.5%	-6.2%	0.11	37.30%	12.1%	0
8008	0.88	0.91	0.85	0.81	0.74	0.67	3.4%	-6.6%	-4.7%	-8.6%	-9.5%	0.11	37.25%	10.0%	4,206,819
3241	2.74	2.60	2.32	2.28	2.41	2.64	-5.1%	-10.8%	-1.7%	5.7%	9.5%	0.08	37.14%	9.0%	278,883
3581	1.22	1.27	1.13	1.11	1.04	0.94	4.1%	-11.0%	-1.8%	-6.3%	-9.6%	0.11	37.06%	15.1%	125,169
1701	3.08	2.94	2.72	2.42	2.37	2.19	-4.5%	-7.5%	-11.0%	-2.1%	-7.6%	0.13	37.01%	6.5%	920,327
8001	1.88	1.95	1.74	1.67	1.50	1.44	3.7%	-10.8%	-4.0%	-10.2%	-4.0%	0.12	36.95%	14.5%	444,924
3122	2.03	2.08	1.89	1.72	1.52	1.53	2.5%	-9.1%	-9.0%	-11.6%	0.7%	0.14	36.95%	11.6%	440
6217	3.40	3.15	2.73	2.70	2.51	2.41	-7.4%	-13.3%	-1.1%	-7.0%	-4.0%	0.14	36.90%	12.2%	3,291,414

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Absolute Change

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
8037	1.61	1.72	1.58	1.51	1.40	1.32	6.8%	-8.1%	-4.4%	-7.3%	-5.7%	0.10	36.83%	15.0%	11,767,238
0113	4.54	4.39	3.89	3.81	3.53	3.23	-3.3%	-11.4%	-2.1%	-7.3%	-8.5%	0.13	36.78%	9.3%	17,973
3336	2.63	2.72	2.34	2.18	2.07	2.14	3.4%	-14.0%	-6.8%	-5.0%	3.4%	0.12	36.76%	17.4%	110,052
3085	4.41	4.61	4.34	3.88	3.66	3.87	4.5%	-5.9%	-10.6%	-5.7%	5.7%	0.09	36.75%	15.1%	1,156,415
9521	3.29	3.45	3.12	3.05	2.81	2.59	4.9%	-9.6%	-2.2%	-7.9%	-7.8%	0.10	36.64%	14.4%	293,847
8204	3.36	3.36	3.01	2.83	2.67	2.39	0.0%	-10.4%	-6.0%	-5.7%	-10.5%	0.13	36.60%	10.4%	58,080
4299	2.07	1.96	1.90	1.80	1.63	1.48	-5.3%	-3.1%	-5.3%	-9.4%	-9.2%	0.12	36.55%	2.3%	2,565,540
9170	10.34	10.85	10.05	10.30	9.32	8.58	4.9%	-7.4%	2.5%	-9.5%	-7.9%	0.08	36.50%	12.3%	51,382
0042	5.32	5.69	5.33	4.82	4.83	4.38	7.0%	-6.3%	-9.6%	0.2%	-9.3%	0.09	36.49%	16.5%	1,098,518
2003	3.52	3.65	3.28	3.18	2.94	2.71	3.7%	-10.1%	-3.0%	-7.5%	-7.8%	0.11	36.47%	13.8%	1,176,668
0170	1.99	1.99	1.95	1.82	1.61	1.41	0.0%	-2.0%	-6.7%	-11.5%	-12.4%	0.13	36.44%	6.7%	12,132
7219	6.43	6.38	5.70	5.33	4.87	4.60	-0.8%	-10.7%	-6.5%	-8.6%	-5.5%	0.14	36.16%	9.9%	16,275,457
0083	4.34	4.25	3.86	3.72	3.40	3.11	-2.1%	-9.2%	-3.6%	-8.6%	-8.5%	0.13	36.11%	7.1%	1,081,669
2039	2.50	2.68	2.48	2.60	2.42	2.55	7.2%	-7.5%	4.8%	-6.9%	5.4%	0.04	36.07%	14.7%	542,152
5551	13.67	14.25	11.90	10.76	10.56	10.52	4.2%	-16.5%	-9.6%	-1.9%	-0.4%	0.14	36.05%	20.7%	943,483
7090	5.67	5.33	4.82	4.60	4.34	4.08	-6.0%	-9.6%	-4.6%	-5.7%	-6.0%	0.13	35.99%	5.0%	944
0005	2.84	2.90	2.54	2.35	2.19	2.12	2.1%	-12.4%	-7.5%	-6.8%	-3.2%	0.13	35.99%	14.5%	248,878
7038	5.10	4.80	4.34	4.14	3.91	3.67	-5.9%	-9.6%	-4.6%	-5.6%	-6.1%	0.12	35.98%	5.0%	0
8500	4.60	4.61	4.30	4.11	3.63	3.32	0.2%	-6.7%	-4.4%	-11.7%	-8.5%	0.13	35.38%	6.9%	110,918
7855	3.10	3.17	2.84	2.64	2.42	2.34	2.3%	-10.4%	-7.0%	-8.3%	-3.3%	0.13	35.25%	12.7%	366,537
8006	1.58	1.60	1.53	1.38	1.27	1.17	1.3%	-4.4%	-9.8%	-8.0%	-7.9%	0.12	35.18%	11.1%	4,465,042
9519	3.15	3.34	2.99	2.85	2.64	2.57	6.0%	-10.5%	-4.7%	-7.4%	-2.7%	0.10	35.15%	16.5%	624,596
3040	4.84	4.76	4.23	3.84	3.61	3.49	-1.7%	-11.1%	-9.2%	-6.0%	-3.3%	0.14	35.12%	9.5%	427,861
4273	2.27	2.34	2.12	1.98	1.84	1.75	3.1%	-9.4%	-6.6%	-7.1%	-4.9%	0.11	35.02%	12.5%	653,037
4558	1.71	1.72	1.55	1.41	1.32	1.39	0.6%	-9.9%	-9.0%	-6.4%	5.3%	0.11	35.00%	10.5%	494,271
3315	3.04	2.97	2.52	2.37	2.20	2.18	-2.3%	-15.2%	-6.0%	-7.2%	-0.9%	0.15	34.98%	12.8%	21,238
7335	2.05	2.19	2.26	2.15	1.97	1.82	6.8%	3.2%	-4.9%	-8.4%	-7.6%	0.08	34.83%	11.7%	1,470
8233	1.97	1.96	1.76	1.73	1.94	2.07	-0.5%	-10.2%	-1.7%	12.1%	6.7%	0.07	34.79%	9.7%	0
3082	4.61	4.76	4.26	3.96	3.72	3.87	3.3%	-10.5%	-7.0%	-6.1%	4.0%	0.10	34.76%	13.8%	44,596
8264	4.52	4.43	3.99	3.72	3.45	3.28	-2.0%	-9.9%	-6.8%	-7.3%	-4.9%	0.13	34.72%	7.9%	282,061
9501	2.84	2.99	2.78	2.54	2.31	2.33	5.3%	-7.0%	-8.6%	-9.1%	0.9%	0.11	34.64%	13.9%	346,761
4352	1.65	1.66	1.49	1.36	1.27	1.21	0.6%	-10.2%	-8.7%	-6.6%	-4.7%	0.13	34.64%	10.8%	38,259
8072	0.51	0.51	0.43	0.44	0.47	0.44	0.0%	-15.7%	2.3%	6.8%	-6.4%	0.08	34.52%	18.0%	212,140
6704	3.83	3.93	3.52	3.28	3.01	2.93	2.6%	-10.4%	-6.8%	-8.2%	-2.7%	0.12	34.49%	13.0%	0
4740	0.98	1.01	0.96	0.88	0.90	0.79	3.1%	-5.0%	-8.3%	2.3%	-12.2%	0.09	34.49%	11.4%	110,482
6702	3.45	3.54	3.17	2.95	2.71	2.64	2.6%	-10.5%	-6.9%	-8.1%	-2.6%	0.12	34.44%	13.1%	0
8392	2.12	2.10	1.82	1.67	1.65	1.53	-0.9%	-13.3%	-8.2%	-1.2%	-7.3%	0.14	34.43%	12.4%	370,507
5606	1.10	1.12	1.06	0.99	0.93	0.83	1.8%	-5.4%	-6.6%	-6.1%	-10.8%	0.11	34.33%	8.4%	8,223,704
5951	0.35	0.39	0.40	0.44	0.46	0.45	11.4%	2.6%	10.0%	4.5%	-2.2%	0.10	34.29%	8.9%	641,338
4452	2.59	2.47	2.27	2.08	1.95	1.89	-4.6%	-8.1%	-8.4%	-6.3%	-3.1%	0.13	34.24%	3.7%	912,856
8291	2.89	2.99	2.80	2.52	2.35	2.26	3.5%	-6.4%	-10.0%	-6.7%	-3.8%	0.11	34.15%	13.5%	355,965
7230	6.01	6.30	6.00	5.54	4.98	4.84	4.8%	-4.8%	-7.7%	-10.1%	-2.8%	0.11	33.85%	12.5%	87,566
4829	1.07	1.11	0.97	0.93	0.86	0.88	3.7%	-12.6%	-4.1%	-7.5%	2.3%	0.10	33.84%	16.4%	3,153,814
7333	1.85	1.97	2.03	1.94	1.77	1.64	6.5%	3.0%	-4.4%	-8.8%	-7.3%	0.08	33.79%	10.9%	0
2110	1.80	1.76	1.70	1.79	1.98	2.15	-2.2%	-3.4%	5.3%	10.6%	8.6%	0.09	33.69%	8.7%	2,190
9058	1.33	1.39	1.32	1.27	1.15	1.07	4.5%	-5.0%	-3.8%	-9.4%	-7.0%	0.10	33.37%	9.5%	1,113,365
6504	2.29	2.25	2.04	1.86	1.76	1.68	-1.7%	-9.3%	-8.8%	-5.4%	-4.5%	0.13	33.37%	7.6%	6,310,333
4484	2.47	2.65	2.41	2.27	2.14	2.10	7.3%	-9.1%	-5.8%	-5.7%	-1.9%	0.09	33.34%	16.3%	5,603,909
8810	0.11	0.11	0.11	0.10	0.09	0.08	0.0%	0.0%	-9.1%	-10.0%	-11.1%	0.13	33.33%	9.1%	320,937,297
7231	6.91	6.99	6.50	6.81	6.70	5.65	1.2%	-7.0%	4.8%	-1.6%	-15.7%	0.07	33.30%	11.8%	2,630,223
2016	2.88	2.84	2.55	2.31	2.17	2.23	-1.4%	-10.2%	-9.4%	-6.1%	2.8%	0.12	33.25%	8.8%	411,264
5473	6.81	6.85	6.35	5.97	5.44	5.06	0.6%	-7.3%	-6.0%	-8.9%	-7.0%	0.12	33.24%	7.9%	127,255
3110	4.21	4.19	3.69	3.34	3.09	3.07	-0.5%	-11.9%	-9.5%	-7.5%	-0.6%	0.14	33.21%	11.5%	67,412
3145	2.26	2.33	1.99	1.82	1.75	1.75	3.1%	-14.6%	-8.5%	-3.8%	0.0%	0.13	33.17%	17.7%	113,201
5022	5.46	5.66	5.65	5.15	4.69	4.31	3.7%	-0.2%	-8.8%	-8.9%	-8.1%	0.11	33.11%	12.5%	1,418,241
0251	3.35	3.38	3.11	2.98	2.74	2.51	0.9%	-8.0%	-4.2%	-8.1%	-8.4%	0.11	32.95%	8.9%	9,399
4410	2.88	3.06	2.85	2.75	2.51	2.41	6.3%	-6.9%	-3.5%	-8.7%	-4.0%	0.09	32.87%	13.1%	1,347,191
8601	0.22	0.22	0.22	0.20	0.17	0.16	0.0%	0.0%	-9.1%	-15.0%	-5.9%	0.14	32.83%	9.1%	14,269,032
4239	1.90	2.01	1.85	1.77	1.58	1.57	5.8%	-8.0%	-4.3%	-10.7%	-0.6%	0.10	32.77%	13.7%	127,869
9084	1.12	1.16	1.08	1.00	0.93	0.89	3.6%	-6.9%	-7.4%	-7.0%	-4.3%	0.10	32.71%	11.0%	1,080,250
8061	1.61	1.55	1.45	1.31	1.24	1.19	-3.7%	-6.5%	-9.7%	-5.3%	-4.0%	0.12	32.69%	5.9%	2,079,145
3111	2.15	2.08	1.75	1.64	1.62	1.67	-3.3%	-15.9%	-6.3%	-1.2%	3.1%	0.13	32.68%	12.6%	9,112
3113	1.76	1.64	1.59	1.55	1.38	1.30	-6.8%	-3.0%	-2.5%	-11.0%	-5.8%	0.11	32.48%	4.3%	1,321,751
2841	3.55	3.94	3.83	3.55	3.40	3.27	11.0%	-2.8%	-7.3%	-4.2%	-3.8%	0.07	32.48%	18.3%	43,487
6003	4.26	4.58	4.55	4.30	4.01	3.67	7.5%	-0.7%	-5.5%	-6.7%	-8.5%	0.08	32.19%	13.0%	30,660
8265	4.13	4.13	3.73	3.60	3.15	3.26	0.0%	-9.7%	-3.5%	-12.5%	3.5%	0.11	32.16%	9.7%	401,081
8805	0.15	0.15	0.15	0.14	0.12	0.11	0.0%	0.0%	-6.7%	-14.3%	-8.3%	0.13	32.06%	6.7%	0
7050	8.73	8.79	7.90	7.53	7.04	6.56	0.7%	-10.1%	-4.7%	-6.5%	-6.8%	0.12	32.06%	10.8%	0
2799	5.03	4.69	4.37	4.20	4.30	4.68	-6.8%	-6.8%	-3.9%	2.4%	8.8%	0.07	32.02%	2.9%	37,486

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Absolute Change

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
3146	2.22	2.25	1.95	1.87	1.70	1.72	1.4%	-13.3%	-4.1%	-9.1%	1.2%	0.12	31.98%	14.7%	432,010
3118	2.05	1.99	1.78	1.63	1.56	1.52	-2.9%	-10.6%	-8.4%	-4.3%	-2.6%	0.13	31.98%	7.6%	9,399
1430	5.40	5.22	4.95	4.49	4.09	4.01	-3.3%	-5.2%	-9.3%	-8.9%	-2.0%	0.12	31.89%	6.0%	4,501
9534	4.02	3.99	3.74	3.38	3.06	2.98	-0.7%	-6.3%	-9.6%	-9.5%	-2.6%	0.13	31.83%	8.9%	244,294
3383	1.51	1.55	1.37	1.27	1.19	1.18	2.6%	-11.6%	-7.3%	-6.3%	-0.8%	0.12	31.77%	14.3%	37,959
9040	3.29	3.38	3.07	3.18	3.01	2.78	2.7%	-9.2%	3.6%	-5.3%	-7.6%	0.07	31.74%	12.8%	1,307,020
3022	3.44	3.28	2.85	2.71	2.56	2.55	-4.7%	-13.1%	-4.9%	-5.5%	-0.4%	0.13	31.57%	8.5%	153,268
8385	1.68	1.86	1.82	1.79	1.65	1.55	10.7%	-2.2%	-1.6%	-7.8%	-6.1%	0.07	31.46%	12.9%	613,814
8021	2.67	2.69	2.28	2.17	2.02	2.04	0.7%	-15.2%	-4.8%	-6.9%	1.0%	0.13	31.41%	16.0%	513,018
3224	2.85	3.12	3.15	3.03	2.79	2.62	9.5%	1.0%	-3.8%	-7.9%	-6.1%	0.07	31.37%	13.3%	0
7232	6.86	7.53	6.87	6.73	6.39	6.23	9.8%	-8.8%	-2.0%	-5.1%	-2.5%	0.07	31.18%	18.5%	267,304
8868	0.38	0.39	0.36	0.33	0.31	0.30	2.6%	-7.7%	-8.3%	-6.1%	-3.2%	0.11	31.09%	11.0%	37,989,146
9182	1.67	1.75	1.72	1.80	1.64	1.51	4.8%	-1.7%	4.7%	-8.9%	-7.9%	0.06	31.09%	6.5%	643,547
3064	3.32	3.45	3.35	3.05	2.91	2.69	3.9%	-2.9%	-9.0%	-4.6%	-7.6%	0.09	31.06%	12.9%	188,424
4283	1.38	1.28	1.20	1.24	1.36	1.34	-7.2%	-6.3%	3.3%	9.7%	-1.5%	0.06	31.04%	10.6%	262,004
9015	2.66	2.73	2.62	2.50	2.35	2.10	2.6%	-4.0%	-4.6%	-6.0%	-10.6%	0.09	30.95%	7.2%	4,868,381
9083	0.91	0.97	0.92	0.85	0.80	0.78	6.6%	-5.2%	-7.6%	-5.9%	-2.5%	0.09	30.90%	14.2%	16,364,755
5102	5.20	4.96	4.68	4.41	4.07	3.91	-4.6%	-5.6%	-5.8%	-7.7%	-3.9%	0.11	30.86%	1.2%	617,424
5535	5.36	5.52	4.99	4.87	4.57	4.27	3.0%	-9.6%	-2.4%	-6.2%	-6.6%	0.10	30.76%	12.6%	1,534,523
5192	2.19	2.55	2.48	2.34	2.37	2.32	16.4%	-2.7%	-5.6%	1.3%	-2.1%	0.05	30.71%	22.1%	738,661
2587	1.73	1.95	1.96	2.07	2.16	2.06	12.7%	0.5%	5.6%	4.3%	-4.6%	0.07	30.64%	12.2%	7,093
8203	5.92	5.86	5.57	6.27	6.02	5.71	-1.0%	-4.9%	12.6%	-4.0%	-5.1%	0.04	30.48%	17.5%	72,189
6325	2.83	2.80	2.65	2.41	2.23	2.13	-1.1%	-5.4%	-9.1%	-7.5%	-4.5%	0.12	30.39%	8.0%	1,086,249
3634	1.54	1.50	1.40	1.30	1.19	1.22	-2.6%	-6.7%	-7.1%	-8.5%	2.5%	0.11	30.38%	4.5%	642,393
2131	2.22	2.34	2.15	2.13	2.07	1.86	5.4%	-8.1%	-0.9%	-2.8%	-10.1%	0.08	30.26%	13.5%	107,114
9586	0.48	0.48	0.43	0.42	0.38	0.36	0.0%	-10.4%	-2.3%	-9.5%	-5.3%	0.12	30.26%	10.4%	1,750,662
8391	1.94	2.01	1.87	1.76	1.64	1.58	3.6%	-7.0%	-5.9%	-6.8%	-3.7%	0.09	29.93%	10.6%	10,729,265
8869	0.89	0.89	0.83	0.75	0.68	0.67	0.0%	-6.7%	-9.6%	-9.3%	-1.5%	0.13	29.83%	9.6%	4,407,434
3647	2.49	2.76	2.62	2.56	2.42	2.50	10.8%	-5.1%	-2.3%	-5.5%	3.3%	0.05	29.80%	15.9%	1,686,921
2305	2.26	2.18	2.04	1.88	1.72	1.71	-3.5%	-6.4%	-7.8%	-8.5%	-0.6%	0.12	29.69%	4.3%	203,833
4777	3.89	3.86	3.26	3.43	3.61	3.59	-0.8%	-15.5%	5.2%	5.2%	-0.6%	0.07	29.65%	20.8%	64,938
7390	4.84	4.54	4.21	4.04	3.86	3.68	-6.2%	-7.3%	-4.0%	-4.5%	-4.7%	0.10	29.57%	3.2%	520,802
4351	0.83	0.89	0.92	0.97	0.92	0.87	7.2%	3.4%	5.4%	-5.2%	-5.4%	0.05	29.57%	3.9%	56,545
4459	2.40	2.39	2.14	1.93	1.91	1.81	-0.4%	-10.5%	-9.8%	-1.0%	-5.2%	0.12	29.51%	10.0%	1,539,479
9620	1.01	1.05	1.10	0.99	1.05	1.03	4.0%	4.8%	-10.0%	6.1%	-1.9%	0.04	29.48%	14.8%	682,833
2417	1.34	1.40	1.40	1.34	1.23	1.11	4.5%	0.0%	-4.3%	-8.2%	-9.8%	0.09	29.40%	8.8%	27,104
8017	1.31	1.28	1.15	1.03	1.00	1.01	-2.3%	-10.2%	-10.4%	-2.9%	1.0%	0.12	29.34%	8.1%	10,648,378
3257	2.47	2.48	2.17	2.01	1.99	2.10	0.4%	-12.5%	-7.4%	-1.0%	5.5%	0.10	29.26%	12.9%	397,859
4557	2.00	2.23	2.22	2.23	1.95	1.91	11.5%	-0.4%	0.5%	-12.6%	-2.1%	0.07	29.23%	11.9%	276,774
2790	1.63	1.80	1.85	1.82	1.65	1.61	10.4%	2.8%	-1.6%	-9.3%	-2.4%	0.06	29.17%	12.1%	34,426
4263	3.32	3.36	3.26	3.29	3.71	4.04	1.2%	-3.0%	0.9%	12.8%	8.9%	0.09	29.15%	4.2%	42,576
5507	3.20	3.28	3.14	2.83	2.64	2.72	2.5%	-4.3%	-9.9%	-6.7%	3.0%	0.09	29.11%	12.4%	273,082
9019	1.80	1.94	1.83	1.97	1.93	1.87	7.8%	-5.7%	7.7%	-2.0%	-3.1%	0.04	28.98%	13.4%	3,819
0913	394.00	423.00	417.00	397.00	362.00	348.00	7.4%	-1.4%	-4.8%	-8.8%	-3.9%	0.08	28.97%	12.2%	302
2881	2.93	2.78	2.60	2.44	2.38	2.24	-5.1%	-6.5%	-6.2%	-2.5%	-5.9%	0.10	28.90%	1.4%	191,114
4828	1.82	1.94	1.79	1.77	1.60	1.62	6.6%	-7.7%	-1.1%	-9.6%	1.3%	0.07	28.86%	14.3%	1,588,455
8209	3.57	3.56	3.24	2.95	2.72	2.71	-0.3%	-9.0%	-9.0%	-7.8%	-0.4%	0.13	28.83%	8.7%	1,758
5215	4.87	4.86	4.47	4.27	3.88	3.71	-0.2%	-8.0%	-4.5%	-9.1%	-4.4%	0.11	28.83%	7.8%	707,246
8745	3.49	3.19	2.90	2.79	2.75	2.66	-8.6%	-9.1%	-3.8%	-1.4%	-3.3%	0.11	28.81%	5.3%	15,089
7610	0.39	0.41	0.39	0.36	0.33	0.33	5.1%	-4.9%	-7.7%	-8.3%	0.0%	0.09	28.63%	12.8%	3,208,689
7098	10.44	10.54	9.72	9.15	8.49	8.14	1.0%	-7.8%	-5.9%	-7.2%	-4.1%	0.11	28.59%	8.7%	10
8353	3.21	3.44	3.24	3.09	3.01	3.18	7.2%	-5.8%	-4.6%	-2.6%	5.6%	0.05	28.59%	13.0%	312,619
7046	9.40	9.49	8.75	8.24	7.64	7.33	1.0%	-7.8%	-5.8%	-7.3%	-4.1%	0.11	28.57%	8.8%	0
2081	4.79	4.79	4.50	4.52	4.00	3.68	0.0%	-6.1%	0.4%	-11.5%	-8.0%	0.10	28.28%	6.5%	48,722
8034	1.92	2.01	1.85	1.72	1.63	1.64	4.7%	-8.0%	-7.0%	-5.2%	0.6%	0.09	28.07%	12.6%	296,946
4583	4.08	4.43	4.22	4.05	3.85	3.97	8.6%	-4.7%	-4.0%	-4.9%	3.1%	0.05	28.02%	13.3%	459,782
9062	1.16	1.20	1.08	1.07	0.96	0.97	3.4%	-10.0%	-0.9%	-10.3%	1.0%	0.09	27.97%	13.4%	80,345
2014	4.52	4.62	4.28	4.09	3.71	3.63	2.2%	-7.4%	-4.4%	-9.3%	-2.2%	0.10	27.95%	9.6%	959,288
5474	4.73	4.75	4.51	4.27	3.99	3.67	0.4%	-5.1%	-5.3%	-6.6%	-8.0%	0.10	27.89%	5.7%	2,433,566
9082	1.11	1.12	1.03	0.98	0.92	0.87	0.9%	-8.0%	-4.9%	-6.1%	-5.4%	0.10	27.89%	8.9%	18,683,271
8835	1.76	1.74	1.67	1.61	1.53	1.35	-1.1%	-4.0%	-3.6%	-5.0%	-11.8%	0.10	27.86%	2.9%	8,096,903
3548	1.43	1.48	1.40	1.39	1.27	1.18	3.5%	-5.4%	-0.7%	-8.6%	-7.1%	0.08	27.81%	8.9%	117,191
1320	1.40	1.42	1.32	1.28	1.19	1.11	1.4%	-7.0%	-3.0%	-7.0%	-6.7%	0.09	27.78%	8.5%	30,561
3632	2.80	2.81	2.57	2.37	2.31	2.17	0.4%	-8.5%	-7.8%	-2.5%	-6.1%	0.11	27.67%	8.9%	4,476,195
2361	1.80	1.74	1.60	1.53	1.48	1.57	-3.3%	-8.0%	-4.4%	-3.3%	6.1%	0.08	27.66%	4.7%	2,750
1322	6.10	6.44	6.30	6.03	5.57	5.27	5.6%	-2.2%	-4.3%	-7.6%	-5.4%	0.08	27.59%	9.9%	0
3076	3.00	2.99	2.71	2.68	2.43	2.31	-0.3%	-9.4%	-1.1%	-9.3%	-4.9%	0.11	27.28%	9.0%	5,067,426
8814	0.13	0.13	0.13	0.12	0.11	0.10	0.0%	0.0%	-7.7%	-8.3%	-9.1%	0.11	27.27%	7.7%	0
5188	2.64	2.58	2.32	2.15	2.11	2.04	-2.3%	-10.1%	-7.3%	-1.9%	-3.3%	0.11	27.16%	7.8%	750,786

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Absolute Change

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
5506	4.68	4.62	4.29	3.80	3.78	3.61	-1.3%	-7.1%	-11.4%	-0.5%	-4.5%	0.11	27.01%	10.1%	2,544,503
4130	3.09	3.03	2.78	2.70	2.84	3.02	-1.9%	-8.3%	-2.9%	5.2%	6.3%	0.05	26.98%	6.3%	279,355
2416	1.80	1.94	1.98	2.12	2.07	1.96	7.8%	2.1%	7.1%	-2.4%	-5.3%	0.06	26.96%	5.7%	0
8018	2.19	2.31	2.25	2.07	1.92	1.90	5.5%	-2.6%	-8.0%	-7.2%	-1.0%	0.08	26.65%	13.5%	10,806,292
6503	1.96	2.00	1.92	1.75	1.66	1.73	2.0%	-4.0%	-8.9%	-5.1%	4.2%	0.08	26.58%	10.9%	75,138
2714	4.62	4.50	4.11	3.76	3.60	3.59	-2.6%	-8.7%	-8.5%	-4.3%	-0.3%	0.11	26.48%	6.1%	1,368
2688	2.42	2.30	2.15	2.01	1.94	1.89	-5.0%	-6.5%	-6.5%	-3.5%	-2.6%	0.10	26.41%	1.6%	123,606
5183	2.65	2.59	2.46	2.27	2.32	2.16	-2.3%	-5.0%	-7.7%	2.2%	-6.9%	0.08	26.39%	5.5%	5,779,537
2589	1.88	1.96	1.89	1.79	1.66	1.72	4.3%	-3.6%	-5.3%	-7.3%	3.6%	0.06	26.36%	9.5%	158,330
2701	10.48	10.42	9.34	9.26	8.63	8.14	-0.6%	-10.4%	-0.9%	-6.8%	-5.7%	0.10	26.35%	9.8%	4,622
4207	1.80	1.92	1.97	1.89	1.72	1.75	6.7%	2.6%	-4.1%	-9.0%	1.7%	0.05	26.30%	10.7%	100
4111	1.73	1.79	1.66	1.70	1.57	1.62	3.5%	-7.3%	2.4%	-7.6%	3.2%	0.05	26.24%	10.7%	4,915
6835	2.59	2.62	2.41	2.32	2.17	2.07	1.2%	-8.0%	-3.7%	-6.5%	-4.6%	0.09	26.24%	9.2%	0
7540	2.55	2.51	2.31	2.27	2.11	1.99	-1.6%	-8.0%	-1.7%	-7.0%	-5.7%	0.10	26.22%	6.4%	2,541
2174	2.76	2.93	2.70	2.60	2.47	2.50	6.2%	-7.8%	-3.7%	-5.0%	1.2%	0.07	26.18%	14.0%	216
2835	2.22	2.26	2.15	2.16	1.96	1.81	1.8%	-4.9%	0.5%	-9.3%	-7.7%	0.08	26.15%	6.7%	14,083
4825	0.72	0.72	0.67	0.66	0.63	0.70	0.0%	-6.9%	-1.5%	-4.5%	11.1%	0.05	26.08%	6.9%	2,728,959
7222	5.63	5.80	5.68	5.45	4.98	4.68	3.0%	-2.1%	-4.0%	-8.6%	-6.0%	0.08	26.00%	7.1%	408
1654	3.47	3.45	3.10	3.03	3.13	3.37	-0.6%	-10.1%	-2.3%	3.3%	7.7%	0.06	25.99%	9.6%	26,618
3507	2.57	2.59	2.34	2.25	2.13	2.04	0.8%	-9.7%	-3.8%	-5.3%	-4.2%	0.10	25.98%	10.4%	1,290,621
4251	3.28	3.41	3.41	3.43	3.15	2.80	4.0%	0.0%	0.6%	-8.2%	-11.1%	0.08	25.68%	4.0%	104,826
7394	3.53	3.73	3.56	3.41	3.19	3.11	5.7%	-4.6%	-4.2%	-6.5%	-2.5%	0.07	25.64%	10.2%	0
4432	1.21	1.20	1.10	1.05	1.01	1.07	-0.8%	-8.3%	-4.5%	-3.8%	5.9%	0.07	25.59%	7.5%	12,873
4653	1.29	1.41	1.45	1.54	1.61	1.62	9.3%	2.8%	6.2%	4.5%	0.6%	0.09	25.58%	6.5%	4,459
2802	4.92	4.88	4.57	4.30	4.18	3.87	-0.8%	-6.4%	-5.9%	-2.8%	-7.4%	0.09	25.38%	5.5%	476,393
9403	6.79	6.87	6.13	5.70	5.55	5.45	1.2%	-10.8%	-7.0%	-2.6%	-1.8%	0.10	25.31%	11.9%	1,937,117
7395	3.92	4.14	3.95	3.79	3.54	3.46	5.6%	-4.6%	-4.1%	-6.6%	-2.3%	0.07	25.28%	10.2%	0
7720	2.53	2.71	2.50	2.45	2.38	2.30	7.1%	-7.7%	-2.0%	-2.9%	-3.4%	0.06	25.16%	14.9%	5,224,713
9033	1.73	1.71	1.59	1.58	1.43	1.36	-1.2%	-7.0%	-0.6%	-9.5%	-4.9%	0.09	25.12%	6.4%	337,040
9220	3.45	3.53	3.33	3.39	3.23	2.96	2.3%	-5.7%	1.8%	-4.7%	-8.4%	0.06	24.89%	8.0%	189,153
1699	2.56	2.50	2.21	2.27	2.20	2.27	-2.3%	-11.6%	2.7%	-3.1%	3.2%	0.07	24.78%	14.3%	301,099
1164	4.39	4.25	3.71	3.86	3.80	3.75	-3.2%	-12.7%	4.0%	-1.6%	-1.3%	0.07	24.50%	16.7%	1,020,260
8370	3.45	3.52	3.46	3.59	3.24	3.07	2.0%	-1.7%	3.8%	-9.7%	-5.2%	0.06	24.36%	5.5%	642,279
4717	2.05	2.11	1.92	1.94	1.81	1.76	2.9%	-9.0%	1.0%	-6.7%	-2.8%	0.07	24.30%	11.9%	93,142
2600	3.72	4.08	4.02	3.96	3.78	3.59	9.7%	-1.5%	-1.5%	-4.5%	-5.0%	0.05	24.02%	11.2%	0
4703	1.91	1.87	1.76	1.60	1.56	1.52	-2.1%	-5.9%	-9.1%	-2.5%	-2.6%	0.10	23.97%	7.0%	351,676
2702	15.86	15.80	14.82	14.67	12.59	12.69	-0.4%	-6.2%	-1.0%	-14.2%	0.8%	0.10	23.93%	5.8%	22,315
2041	2.47	2.54	2.36	2.27	2.20	2.09	2.8%	-7.1%	-3.8%	-3.1%	-5.0%	0.07	23.74%	9.9%	70,486
3030	4.32	4.48	4.28	4.08	3.80	3.72	3.7%	-4.5%	-4.7%	-6.9%	-2.1%	0.07	23.73%	8.4%	1,307,391
2380	1.98	2.00	1.86	1.68	1.72	1.75	1.0%	-7.0%	-9.7%	2.4%	1.7%	0.07	23.48%	10.7%	49,704
4133	1.80	1.96	1.93	2.02	2.00	2.11	8.9%	-1.5%	4.7%	-1.0%	5.5%	0.05	23.28%	10.4%	2,028
3188	2.16	2.19	2.00	1.96	1.82	1.78	1.4%	-8.7%	-2.0%	-7.1%	-2.2%	0.09	23.06%	10.1%	323,788
4131	4.55	4.58	4.13	3.91	4.02	4.13	0.7%	-9.8%	-5.3%	2.8%	2.7%	0.07	22.99%	10.5%	0
3612	1.97	1.96	1.84	1.67	1.61	1.58	-0.5%	-6.1%	-9.2%	-3.6%	-1.9%	0.10	22.95%	8.7%	1,296,040
2065	1.75	1.70	1.60	1.54	1.44	1.47	-2.9%	-5.9%	-3.8%	-6.5%	2.1%	0.08	22.84%	3.0%	5,141
9410	2.63	2.71	2.60	2.55	2.47	2.25	3.0%	-4.1%	-1.9%	-3.1%	-8.9%	0.06	22.75%	7.1%	303,166
3028	3.60	3.71	3.40	3.24	3.28	3.16	3.1%	-8.4%	-4.7%	1.2%	-3.7%	0.06	22.70%	11.4%	308,179
5472	4.55	4.36	4.75	5.02	5.05	4.97	-4.2%	8.9%	5.7%	0.6%	-1.6%	0.06	22.57%	13.1%	52,080
4244	2.32	2.48	2.39	2.25	2.17	2.19	6.9%	-3.6%	-5.9%	-3.6%	0.9%	0.05	22.55%	12.8%	1,478,281
2362	1.73	1.94	1.98	2.03	2.03	1.94	12.1%	2.1%	2.5%	0.0%	-4.4%	0.06	22.54%	10.1%	9,744
5480	5.08	4.91	4.58	4.37	4.62	4.64	-3.3%	-6.7%	-4.6%	5.7%	0.4%	0.05	22.48%	3.4%	46,968
1624	2.90	2.46	2.45	2.37	2.39	2.35	-15.2%	-0.4%	-3.3%	0.8%	-1.7%	0.08	22.44%	14.8%	1,294,274
7705	3.76	3.79	3.29	3.17	3.09	3.06	0.8%	-13.2%	-3.6%	-2.5%	-1.0%	0.10	22.42%	14.0%	1,569,925
1463	9.01	8.77	7.81	7.56	7.26	7.25	-2.7%	-10.9%	-3.2%	-4.0%	-0.1%	0.10	22.38%	8.3%	145,468
7600	3.04	3.14	3.07	2.87	2.66	2.69	3.3%	-2.2%	-6.5%	-7.3%	1.1%	0.07	22.06%	9.8%	3,437,354
2735	3.48	3.69	3.54	3.39	3.29	3.39	6.0%	-4.1%	-4.2%	-2.9%	3.0%	0.04	22.01%	10.3%	45,706
3255	2.24	2.37	2.29	2.30	2.07	2.05	5.8%	-3.4%	0.4%	-10.0%	-1.0%	0.06	22.01%	9.2%	0
4693	0.82	0.92	0.92	0.98	0.96	0.96	12.2%	0.0%	6.5%	-2.0%	0.0%	0.06	21.95%	12.2%	134,598
3821	4.46	4.57	4.16	4.12	3.96	3.80	2.5%	-9.0%	-1.0%	-3.9%	-4.0%	0.07	21.84%	11.4%	275,937
0908	116.00	117.00	111.00	105.00	101.00	96.00	0.9%	-5.1%	-5.4%	-3.8%	-5.0%	0.08	21.77%	6.3%	248
7380	4.26	4.45	4.64	4.73	4.51	4.31	4.5%	4.3%	1.9%	-4.7%	-4.4%	0.04	21.35%	2.5%	6,414,096
6237	1.19	1.16	1.06	1.01	1.00	0.97	-2.5%	-8.6%	-4.7%	-1.0%	-3.0%	0.08	21.30%	6.1%	899
2288	3.55	3.84	3.65	3.46	3.41	3.41	8.2%	-4.9%	-5.2%	-1.4%	0.0%	0.05	21.16%	13.4%	27,965
4923	0.97	0.99	0.93	0.93	1.00	1.04	2.1%	-6.1%	0.0%	7.5%	4.0%	0.04	21.05%	8.1%	2,253
4307	1.68	1.79	1.74	1.73	1.70	1.83	6.5%	-2.8%	-0.6%	-1.7%	7.6%	0.03	20.63%	9.3%	95,854
3808	3.50	3.59	3.39	3.19	3.10	3.17	2.6%	-5.6%	-5.9%	-2.8%	2.3%	0.06	20.57%	8.5%	389,822
4741	2.22	2.31	2.17	2.23	2.23	2.37	4.1%	-6.1%	2.8%	0.0%	6.3%	0.03	20.53%	10.1%	100,386
9110	2.62	2.52	2.37	2.33	2.42	2.33	-3.8%	-6.0%	-1.7%	3.9%	-3.7%	0.05	20.49%	4.3%	1,514,029
8111	1.54	1.52	1.50	1.59	1.53	1.43	-1.3%	-1.3%	6.0%	-3.8%	-6.5%	0.03	20.27%	7.3%	824,572

NCCI Missouri Loss Cost Filing Effective January 1, 2025

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Absolute Change

	Loss Cost						Percent Change					Loss Cost	Absolute	Swing Max - Min	Payroll (100's)
Class Code	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025	Coef. Var	Change	Change	2023
3642	1.21	1.12	1.11	1.16	1.17	1.11	-7.4%	-0.9%	4.5%	0.9%	-5.1%	0.04	20.12%	11.9%	0
3126	1.31	1.36	1.30	1.40	1.37	1.38	3.8%	-4.4%	7.7%	-2.1%	0.7%	0.03	20.11%	12.1%	280,510
4771	2.52	2.52	2.46	2.36	2.19	2.08	0.0%	-2.4%	-4.1%	-7.2%	-5.0%	0.08	19.95%	4.1%	352,873
8800	1.23	1.21	1.08	1.11	1.08	1.09	-1.6%	-10.7%	2.8%	-2.7%	0.9%	0.06	19.90%	13.5%	510,816
2585	3.08	2.94	2.77	2.73	2.62	2.69	-4.5%	-5.8%	-1.4%	-4.0%	2.7%	0.06	19.83%	4.3%	1,266,594
3629	1.51	1.48	1.39	1.33	1.27	1.25	-2.0%	-6.1%	-4.3%	-4.5%	-1.6%	0.08	19.81%	4.1%	1,114,185
3822	3.50	3.45	3.24	3.09	2.96	3.02	-1.4%	-6.1%	-4.6%	-4.2%	2.0%	0.07	19.70%	4.7%	14,916
8235	3.54	3.58	3.22	3.20	3.08	2.99	1.1%	-10.1%	-0.6%	-3.8%	-2.9%	0.07	19.59%	11.2%	159,486
4470	2.17	2.15	2.04	2.01	1.93	1.80	-0.9%	-5.1%	-1.5%	-4.0%	-6.7%	0.07	19.47%	4.2%	161,189
0917	3.39	3.31	3.24	3.09	2.83	2.81	-2.4%	-2.1%	-4.6%	-8.4%	-0.7%	0.08	19.40%	2.5%	279,862
7370	4.12	4.02	3.62	3.52	3.42	3.41	-2.4%	-10.0%	-2.8%	-2.8%	-0.3%	0.08	19.37%	7.5%	166,243
4149	0.82	0.77	0.71	0.69	0.70	0.70	-6.1%	-7.8%	-2.8%	1.4%	0.0%	0.07	19.29%	5.0%	166,804
2111	2.06	1.98	1.81	1.78	1.74	1.71	-3.9%	-8.6%	-1.7%	-2.2%	-1.7%	0.08	19.27%	6.9%	295,486
2070	3.91	3.86	3.53	3.56	3.32	3.34	-1.3%	-8.5%	0.8%	-6.7%	0.6%	0.07	19.06%	9.4%	1,472,793
2172	1.47	1.48	1.37	1.33	1.31	1.38	0.7%	-7.4%	-2.9%	-1.5%	5.3%	0.05	19.03%	8.1%	0
4036	2.40	2.25	2.22	2.07	2.01	2.00	-6.3%	-1.3%	-6.8%	-2.9%	-0.5%	0.07	18.86%	5.4%	48,740
4279	2.24	2.33	2.33	2.55	2.65	2.66	4.0%	0.0%	9.4%	3.9%	0.4%	0.07	18.75%	9.4%	402,381
8393	1.24	1.30	1.30	1.20	1.19	1.14	4.8%	0.0%	-7.7%	-0.8%	-4.2%	0.05	18.63%	12.5%	2,607,863
2130	1.68	1.72	1.60	1.68	1.63	1.63	2.4%	-7.0%	5.0%	-3.0%	0.0%	0.03	18.42%	12.0%	172,624
8232	5.00	5.00	4.72	4.51	4.46	4.19	0.0%	-5.6%	-4.4%	-1.1%	-6.1%	0.07	18.27%	5.6%	4,030,880
1642	2.43	2.60	2.61	2.69	2.67	2.83	7.0%	0.4%	3.1%	-0.7%	6.0%	0.05	18.21%	6.6%	340,206
2002	2.91	3.08	3.02	3.03	2.81	2.76	5.8%	-1.9%	0.3%	-7.3%	-1.8%	0.04	18.19%	7.8%	231,791
0771	0.44	0.44	0.43	0.42	0.39	0.37	0.0%	-2.3%	-2.3%	-7.1%	-5.1%	0.07	17.88%	2.3%	0
7360	3.66	3.73	3.34	3.31	3.29	3.39	1.9%	-10.5%	-0.9%	-0.6%	3.0%	0.06	17.74%	12.4%	604,364
3385	0.82	0.88	0.86	0.86	0.82	0.80	7.3%	-2.3%	0.0%	-4.7%	-2.4%	0.04	17.66%	9.6%	8,127
2302	1.62	1.71	1.69	1.65	1.57	1.61	5.6%	-1.2%	-2.4%	-4.8%	2.5%	0.03	17.54%	7.9%	3
6252	2.95	2.79	2.91	2.92	2.95	3.11	-5.4%	4.3%	0.3%	1.0%	5.4%	0.04	17.52%	9.7%	11,354
8010	1.53	1.60	1.60	1.54	1.49	1.56	4.6%	0.0%	-3.8%	-3.2%	4.7%	0.03	17.28%	8.3%	3,765,204
8799	0.35	0.36	0.36	0.36	0.37	0.41	2.9%	0.0%	0.0%	2.8%	10.8%	0.06	17.14%	2.9%	235,790
8350	5.32	5.23	4.65	4.65	4.50	4.48	-1.7%	-11.1%	0.0%	-3.2%	-0.4%	0.08	17.13%	11.1%	1,103,130
4109	0.55	0.57	0.52	0.53	0.53	0.52	3.6%	-8.8%	1.9%	0.0%	-1.9%	0.04	17.06%	12.4%	135,827
3365	3.31	3.28	3.19	3.04	2.96	2.81	-0.9%	-2.7%	-4.7%	-2.6%	-5.1%	0.06	17.05%	3.8%	249,490
3724	3.20	3.19	3.13	3.14	3.04	2.72	-0.3%	-1.9%	0.3%	-3.2%	-10.5%	0.06	16.93%	2.2%	3,832,466
4034	6.33	6.28	5.87	5.68	5.49	5.38	-0.8%	-6.5%	-3.2%	-3.3%	-2.0%	0.07	16.85%	5.7%	489,419
3334	1.80	1.79	1.64	1.58	1.62	1.63	-0.6%	-8.4%	-3.7%	2.5%	0.6%	0.06	16.54%	7.8%	0
0050	4.48	4.55	4.33	4.42	4.18	4.25	1.6%	-4.8%	2.1%	-5.4%	1.7%	0.03	16.51%	6.9%	231,892
7605	1.66	1.66	1.54	1.53	1.52	1.41	0.0%	-7.2%	-0.6%	-0.7%	-7.2%	0.06	16.49%	7.2%	1,242,068
3180	2.64	2.65	2.58	2.69	2.52	2.47	0.4%	-2.6%	4.3%	-6.3%	-2.0%	0.03	16.48%	6.9%	295,104
9044	0.88	0.90	0.83	0.81	0.80	0.79	2.3%	-7.8%	-2.4%	-1.2%	-1.3%	0.05	15.71%	10.1%	2,136,390
9060	1.06	1.12	1.10	1.10	1.06	1.02	5.7%	-1.8%	0.0%	-3.6%	-3.8%	0.03	15.66%	7.4%	1,752,989
0037	3.02	2.99	2.85	2.81	2.76	2.60	-1.0%	-4.7%	-1.4%	-1.8%	-5.8%	0.05	15.44%	3.7%	904,150
8304	4.03	4.26	4.16	4.09	3.97	3.90	5.7%	-2.3%	-1.7%	-2.9%	-1.8%	0.03	15.23%	8.1%	339,822
2112	3.57	3.57	3.35	3.27	3.21	3.08	0.0%	-6.2%	-2.4%	-1.8%	-4.0%	0.06	15.18%	6.2%	1,408
8107	2.35	2.32	2.14	2.15	2.14	2.05	-1.3%	-7.8%	0.5%	-0.5%	-4.2%	0.05	14.79%	8.2%	2,664,183
8116	1.97	1.99	2.00	1.91	1.81	1.76	1.0%	0.5%	-4.5%	-5.2%	-2.8%	0.05	14.73%	5.5%	1,186,064
8279	5.01	5.10	4.92	4.84	4.93	4.68	1.8%	-3.5%	-1.6%	1.9%	-5.1%	0.03	14.63%	5.3%	62,126
4720	1.93	2.05	1.99	1.99	1.94	1.90	6.2%	-2.9%	0.0%	-2.5%	-2.1%	0.03	14.38%	9.1%	1,088,811
7382	4.07	4.14	4.08	4.23	4.11	3.95	1.7%	-1.4%	3.7%	-2.8%	-3.9%	0.02	14.31%	5.1%	1,653,538
8045	0.54	0.52	0.47	0.47	0.47	0.47	-3.7%	-9.6%	0.0%	0.0%	0.0%	0.06	13.68%	9.6%	5,415,500
1472	2.68	2.74	2.80	2.79	2.60	2.57	2.2%	2.2%	-0.4%	-6.8%	-1.2%	0.04	13.28%	2.6%	286,993
7590	2.59	2.62	2.47	2.45	2.34	2.35	1.2%	-5.7%	-0.8%	-4.5%	0.4%	0.05	13.14%	6.9%	113,273
9180	3.85	3.87	3.69	3.68	3.47	3.42	0.5%	-4.7%	-0.3%	-5.7%	-1.4%	0.05	13.11%	5.2%	259,399
4206	2.34	2.49	2.49	2.47	2.53	2.46	6.4%	0.0%	-0.8%	2.4%	-2.8%	0.03	12.91%	7.2%	11,873
8039	1.11	1.19	1.20	1.22	1.19	1.19	7.2%	0.8%	1.7%	-2.5%	0.0%	0.03	12.61%	6.4%	1,065,727
3830	0.70	0.70	0.67	0.67	0.65	0.68	0.0%	-4.3%	0.0%	-3.0%	4.6%	0.03	12.36%	4.3%	8,195,294
5191	0.66	0.69	0.70	0.69	0.67	0.66	4.5%	1.4%	-1.4%	-2.9%	-1.5%	0.03	12.35%	6.0%	4,039,791
2220	1.92	2.03	2.03	2.01	1.94	1.91	5.7%	0.0%	-1.0%	-3.5%	-1.5%	0.03	12.20%	6.7%	13,453
8227	2.85	2.90	2.81	2.80	2.74	2.85	1.8%	-3.1%	-0.4%	-2.1%	4.0%	0.02	11.86%	4.9%	1,433,453
4250	1.68	1.72	1.69	1.77	1.74	1.75	2.4%	-1.7%	4.7%	-1.7%	0.6%	0.02	11.58%	6.5%	119,855
8046	2.06	2.09	2.04	1.97	1.91	1.91	1.5%	-2.4%	-3.4%	-3.0%	0.0%	0.04	10.72%	4.9%	2,977,425
8263	4.33	4.58	4.53	4.41	4.41	4.43	5.8%	-1.1%	-2.6%	0.0%	0.5%	0.02	10.26%	8.4%	79,412
3373	4.45	4.37	4.35	4.42	4.21	4.24	-1.8%	-0.5%	1.6%	-4.8%	0.7%	0.02	9.62%	3.4%	112,435
7710	4.08	4.12	4.03	3.91	3.96	3.94	1.0%	-2.2%	-3.0%	1.3%	-0.5%	0.02	8.16%	4.0%	2,001,418
7711	4.08	4.12	4.03	3.91	3.96	3.94	1.0%	-2.2%	-3.0%	1.3%	-0.5%	0.02	8.16%	4.0%	153,749
0059	0.12	0.12	0.11	0.10	N/A	N/A	0.0%	-8.3%	-9.1%			0.09		9.1%	0
0065	0.04	0.04	0.04	0.04	N/A	N/A	0.0%	0.0%	0.0%			0.00		0.0%	0
0066	0.04	0.04	0.04	0.04	N/A	N/A	0.0%	0.0%	0.0%			0.00		0.0%	0
0067	0.04	0.04	0.04	0.04	N/A	N/A	0.0%	0.0%	0.0%			0.00		0.0%	0

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Swing

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
7047	3.24	4.83	4.46	3.95	3.80	3.67	49.1%	-7.7%	-11.4%	-3.8%	-3.4%	0.14	91.99%	60.5%	0
2709	16.56	19.92	14.35	11.10	9.02	7.79	20.3%	-28.0%	-22.6%	-18.7%	-13.6%	0.36	154.73%	48.3%	4,607
7152	4.40	5.72	5.66	5.11	4.62	4.02	30.0%	-1.0%	-9.7%	-9.6%	-13.0%	0.14	78.46%	43.0%	0
3574	1.72	2.08	2.18	2.01	1.67	1.31	20.9%	4.8%	-7.8%	-16.9%	-21.6%	0.18	94.17%	42.5%	1,718,790
4581	1.58	1.91	1.56	1.31	1.09	0.96	20.9%	-18.3%	-16.0%	-16.8%	-11.9%	0.25	116.95%	39.2%	16,533
7502	2.47	2.07	1.50	1.32	1.16	1.29	-16.2%	-27.5%	-12.0%	-12.1%	11.2%	0.32	106.95%	38.7%	147,823
5057	3.66	4.34	4.27	3.74	3.10	2.98	18.6%	-1.6%	-12.4%	-17.1%	-3.9%	0.15	64.77%	35.7%	288,750
5703	10.02	11.90	12.83	12.59	12.05	10.23	18.8%	7.8%	-1.9%	-4.3%	-15.1%	0.10	56.58%	33.9%	896
7225	6.02	7.28	7.68	7.12	6.41	5.60	20.9%	5.5%	-7.3%	-10.0%	-12.6%	0.12	69.55%	33.6%	464,960
8603	0.06	0.07	0.06	0.06	0.05	0.05	16.7%	-14.3%	0.0%	-16.7%	0.0%	0.13	55.56%	33.3%	6,856,078
8856	0.30	0.36	0.40	0.39	0.34	0.33	20.0%	11.1%	-2.5%	-12.8%	-2.9%	0.11	58.72%	32.8%	268,612
7398	5.47	6.83	6.47	6.21	5.75	5.56	24.9%	-5.3%	-4.0%	-7.4%	-3.3%	0.09	51.71%	32.3%	0
7313	3.38	3.25	2.60	2.08	1.87	2.09	-3.8%	-20.0%	-20.0%	-10.1%	11.8%	0.25	84.01%	31.8%	0
1016	12.52	14.64	15.75	15.73	14.22	12.14	16.9%	7.6%	-0.1%	-9.6%	-14.6%	0.11	58.24%	31.6%	1,277
8738	0.49	0.56	0.53	0.44	0.39	0.37	14.3%	-5.4%	-17.0%	-11.4%	-5.1%	0.16	64.91%	31.3%	0
2021	2.06	2.49	2.57	2.49	2.26	2.13	20.9%	3.2%	-3.1%	-9.2%	-5.8%	0.09	48.61%	30.1%	103,783
6045	3.12	3.52	3.44	3.39	3.05	2.56	12.8%	-2.3%	-1.5%	-10.0%	-16.1%	0.11	49.50%	28.9%	25,447
3865	2.05	2.47	2.71	2.93	2.69	2.47	20.5%	9.7%	8.1%	-8.2%	-8.2%	0.12	67.28%	28.7%	35,466
5402	3.72	4.26	4.45	3.83	3.71	3.61	14.5%	4.5%	-13.9%	-3.1%	-2.7%	0.09	44.35%	28.4%	10,955
1438	12.64	12.78	11.16	8.26	6.03	4.73	1.1%	-12.7%	-26.0%	-27.0%	-21.6%	0.37	121.57%	28.1%	417,622
7420	6.86	6.50	5.41	5.07	5.34	5.94	-5.2%	-16.8%	-6.3%	5.3%	11.2%	0.12	53.03%	28.0%	17,393
3638	1.88	2.18	2.15	2.07	1.89	1.67	16.0%	-1.4%	-3.7%	-8.7%	-11.6%	0.10	47.96%	27.6%	168,136
3807	2.02	2.28	2.05	1.75	1.60	1.68	12.9%	-10.1%	-14.6%	-8.6%	5.0%	0.14	62.38%	27.5%	265,315
7538	5.13	5.10	4.08	3.24	2.33	1.94	-0.6%	-20.0%	-20.6%	-28.1%	-16.7%	0.38	117.64%	27.5%	2,011,526
3132	3.68	4.45	4.33	4.05	3.86	3.75	20.9%	-2.7%	-6.5%	-4.7%	-2.8%	0.08	42.36%	27.4%	9,169
8103	1.92	2.24	2.41	2.29	2.05	1.84	16.7%	7.6%	-5.0%	-10.5%	-10.2%	0.11	60.49%	27.1%	30,540
6703	5.60	6.48	5.77	5.37	4.89	4.71	15.7%	-11.0%	-6.9%	-8.9%	-3.7%	0.12	55.07%	26.7%	0
7403	3.88	4.26	3.56	3.21	3.02	3.10	9.8%	-16.4%	-9.8%	-5.9%	2.6%	0.14	52.65%	26.2%	2,283,688
8602	0.96	1.11	1.00	1.05	0.94	0.91	15.6%	-9.9%	5.0%	-10.5%	-3.2%	0.07	52.12%	26.1%	316,762
7153	3.05	3.47	3.46	3.12	2.85	2.50	13.8%	-0.3%	-9.8%	-8.7%	-12.3%	0.12	52.88%	26.1%	0
7133	2.26	2.57	2.56	2.31	2.11	1.85	13.7%	-0.4%	-9.8%	-8.7%	-12.3%	0.12	52.93%	26.0%	27,680
9077	2.42	2.43	2.91	3.49	3.78	3.55	0.4%	19.8%	19.9%	8.3%	-6.1%	0.19	65.70%	26.0%	0
4101	2.22	2.21	1.95	1.84	1.90	2.17	-0.5%	-11.8%	-5.6%	3.3%	14.2%	0.08	39.87%	26.0%	83,769
1710	3.03	3.28	3.28	3.15	2.96	2.44	8.3%	0.0%	-4.0%	-6.0%	-17.6%	0.10	40.29%	25.8%	26,395
7151	2.75	3.12	3.11	2.81	2.56	2.25	13.5%	-0.3%	-9.6%	-8.9%	-12.1%	0.12	52.36%	25.6%	0
8826	1.74	1.87	1.76	1.55	1.27	1.15	7.5%	-5.9%	-11.9%	-18.1%	-9.4%	0.19	64.59%	25.5%	3,843,527
7580	2.23	2.50	2.17	2.13	1.87	1.73	12.1%	-13.2%	-1.8%	-12.2%	-7.5%	0.13	55.88%	25.3%	427,110
3303	2.01	2.04	1.85	1.98	2.09	2.42	1.5%	-9.3%	7.0%	5.6%	15.8%	0.09	45.13%	25.1%	373,948
3169	2.22	2.48	2.17	1.88	1.75	1.85	11.7%	-12.5%	-13.4%	-6.9%	5.7%	0.14	61.03%	25.1%	137,692
3803	2.00	2.28	2.18	1.94	1.93	2.10	14.0%	-4.4%	-11.0%	-0.5%	8.8%	0.07	44.48%	25.0%	142,743
8803	0.06	0.05	0.05	0.05	0.04	0.03	-16.7%	0.0%	0.0%	-20.0%	-25.0%	0.22	75.00%	25.0%	19,974,264
8871	0.06	0.06	0.06	0.05	0.04	0.03	0.0%	0.0%	-16.7%	-20.0%	-25.0%	0.25	75.00%	25.0%	26,433,036
8901	0.17	0.16	0.15	0.13	0.09	0.08	-5.9%	-6.3%	-13.3%	-30.8%	-11.1%	0.29	85.26%	24.9%	12,544,477
7453	0.53	0.56	0.48	0.42	0.34	0.30	5.7%	-14.3%	-12.5%	-19.0%	-11.8%	0.24	80.75%	24.7%	0
2797	4.75	5.07	4.50	3.76	3.10	2.97	6.7%	-11.2%	-16.4%	-17.6%	-4.2%	0.22	69.35%	24.3%	43,598
7431	0.99	1.04	0.89	0.78	0.63	0.56	5.1%	-14.4%	-12.4%	-19.2%	-11.1%	0.24	78.92%	24.3%	416,502
7016	2.34	2.64	2.45	2.17	2.11	2.05	12.8%	-7.2%	-11.4%	-2.8%	-2.8%	0.10	42.43%	24.2%	0
7024	2.60	2.93	2.72	2.41	2.34	2.28	12.7%	-7.2%	-11.4%	-2.9%	-2.6%	0.10	41.99%	24.1%	1,156
6251	3.06	2.90	2.73	2.74	2.41	2.70	-5.2%	-5.9%	0.4%	-12.0%	12.0%	0.08	40.35%	24.1%	54,769
4557	2.00	2.23	2.22	2.23	1.95	1.91	11.5%	-0.4%	0.5%	-12.6%	-2.1%	0.07	29.23%	24.1%	276,774
2105	3.42	4.00	3.88	3.66	3.41	3.27	17.0%	-3.0%	-5.7%	-6.8%	-4.1%	0.08	41.58%	23.8%	12,647
9154	1.47	1.63	1.42	1.42	1.29	1.13	10.9%	-12.9%	0.0%	-9.2%	-12.4%	0.12	53.58%	23.8%	1,135,252
4665	9.01	9.02	6.89	6.36	6.09	6.00	0.1%	-23.6%	-7.7%	-4.2%	-1.5%	0.20	40.98%	23.7%	12,647
9522	3.60	4.35	4.74	5.40	5.57	5.41	20.8%	9.0%	13.9%	3.1%	-2.9%	0.16	59.17%	23.7%	649,926
7337	3.15	3.61	3.70	3.52	3.20	2.93	14.6%	2.5%	-4.9%	-9.1%	-8.4%	0.09	45.71%	23.7%	0
8832	0.23	0.23	0.20	0.22	0.19	0.18	0.0%	-13.0%	10.0%	-13.6%	-5.3%	0.10	48.74%	23.6%	52,286,502
2836	2.16	2.48	2.42	2.30	2.10	1.96	14.8%	-2.4%	-5.0%	-8.7%	-6.7%	0.09	43.10%	23.5%	3,874
3027	2.45	2.28	2.03	1.83	1.71	1.92	-6.9%	-11.0%	-9.9%	-6.6%	12.3%	0.14	55.96%	23.2%	2,834
3300	3.93	4.28	4.46	4.20	3.60	3.13	8.9%	4.2%	-5.8%	-14.3%	-13.1%	0.13	55.18%	23.2%	380,344
4751	1.75	2.05	2.12	2.33	2.19	2.19	17.1%	3.4%	9.9%	-6.0%	0.0%	0.09	41.14%	23.2%	4,648
8106	4.17	4.56	4.32	3.96	3.51	3.04	9.4%	-5.3%	-8.3%	-11.4%	-13.4%	0.14	57.47%	22.7%	610,559
4018	4.95	5.34	5.11	4.77	4.07	3.78	7.9%	-4.3%	-6.7%	-14.7%	-7.1%	0.13	47.43%	22.6%	164,153
8072	0.51	0.51	0.43	0.44	0.47	0.44	0.0%	-15.7%	2.3%	6.8%	-6.4%	0.08	34.52%	22.5%	212,140
8861	1.14	1.25	1.09	0.99	0.88	0.78	9.6%	-12.8%	-9.2%	-11.1%	-11.4%	0.17	67.08%	22.4%	7,769,781
8233	1.97	1.96	1.76	1.73	1.94	2.07	-0.5%	-10.2%	-1.7%	12.1%	6.7%	0.07	34.79%	22.3%	0
6233	1.89	2.07	2.03	1.77	1.57	1.46	9.5%	-1.9%	-12.8%	-11.3%	-7.0%	0.14	49.99%	22.3%	198,504
8726	1.78	1.82	1.46	1.17	0.99	0.80	2.2%	-19.8%	-19.9%	-15.4%	-19.2%	0.31	101.89%	22.1%	404
4611	0.98	1.07	1.02	0.93	0.81	0.78	9.2%	-4.7%	-8.8%	-12.9%	-3.7%	0.12	45.62%	22.1%	3,278,743
5192	2.19	2.55	2.48	2.34	2.37	2.32	16.4%	-2.7%	-5.6%	1.3%	-2.1%	0.05	30.71%	22.1%	738,661

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
3826	1.00	1.07	0.91	0.82	0.75	0.70	7.0%	-15.0%	-9.9%	-8.5%	-6.7%	0.16	56.48%	22.0%	165,686
8734	0.32	0.34	0.32	0.27	0.24	0.23	6.3%	-5.9%	-15.6%	-11.1%	-4.2%	0.16	50.55%	21.9%	0
2660	2.70	2.83	2.53	2.13	1.77	1.66	4.8%	-10.6%	-15.8%	-16.9%	-6.2%	0.22	66.70%	21.7%	308,731
1005	5.21	5.70	5.29	4.64	4.10	3.83	9.4%	-7.2%	-12.3%	-11.6%	-6.6%	0.15	56.69%	21.7%	4,189
9101	3.13	3.36	2.93	2.65	2.27	2.24	7.3%	-12.8%	-9.6%	-14.3%	-1.3%	0.17	53.68%	21.7%	2,711,500
2121	1.18	1.26	1.15	0.98	0.96	0.98	6.8%	-8.7%	-14.8%	-2.0%	2.1%	0.12	38.82%	21.6%	1,070,616
8723	0.14	0.14	0.11	0.09	0.08	0.07	0.0%	-21.4%	-18.2%	-11.1%	-12.5%	0.29	79.38%	21.4%	32,518,271
3081	3.95	4.27	3.84	3.33	3.04	3.22	8.1%	-10.1%	-13.3%	-8.7%	5.9%	0.13	55.20%	21.4%	140,965
7421	0.55	0.58	0.56	0.49	0.44	0.37	5.5%	-3.4%	-12.5%	-10.2%	-15.9%	0.16	56.77%	21.4%	430,862
3018	4.37	3.87	3.02	2.65	2.58	2.56	-11.4%	-22.0%	-12.3%	-2.6%	-0.8%	0.24	57.81%	21.2%	44,943
3726	3.18	3.25	3.17	2.91	2.36	2.21	2.2%	-2.5%	-8.2%	-18.9%	-6.4%	0.16	43.28%	21.1%	235,756
2570	3.77	3.86	3.64	3.14	2.86	3.07	2.4%	-5.7%	-13.7%	-8.9%	7.3%	0.12	43.91%	21.1%	33,555
9402	3.87	4.17	3.98	3.81	3.47	3.01	7.8%	-4.6%	-4.3%	-8.9%	-13.3%	0.11	44.92%	21.0%	619,638
8742	0.24	0.25	0.24	0.20	0.18	0.17	4.2%	-4.0%	-16.7%	-10.0%	-5.6%	0.16	46.75%	20.8%	73,208,577
4777	3.89	3.86	3.26	3.43	3.61	3.59	-0.8%	-15.5%	5.2%	5.2%	-0.6%	0.07	29.65%	20.8%	64,938
5551	13.67	14.25	11.90	10.76	10.56	10.52	4.2%	-16.5%	-9.6%	-1.9%	-0.4%	0.14	36.05%	20.7%	943,483
8737	0.29	0.30	0.29	0.24	0.22	0.21	3.4%	-3.3%	-17.2%	-8.3%	-4.5%	0.15	41.94%	20.7%	0
9063	0.69	0.76	0.68	0.63	0.58	0.55	10.1%	-10.5%	-7.4%	-7.9%	-5.2%	0.12	48.36%	20.7%	2,842,500
3643	2.41	2.68	2.75	2.61	2.37	2.15	11.2%	2.6%	-5.1%	-9.2%	-9.3%	0.09	43.10%	20.5%	2,697,140
7231	6.91	6.99	6.50	6.81	6.70	5.65	1.2%	-7.0%	4.8%	-1.6%	-15.7%	0.07	33.30%	20.4%	2,630,223
7309	10.26	9.20	7.36	5.89	4.72	4.74	-10.3%	-20.0%	-20.0%	-19.9%	0.4%	0.33	91.20%	20.4%	19,417
0401	10.47	10.77	8.89	8.32	7.10	6.44	2.9%	-17.5%	-6.4%	-14.7%	-9.3%	0.20	61.12%	20.3%	93,684
3241	2.74	2.60	2.32	2.28	2.41	2.64	-5.1%	-10.8%	-1.7%	5.7%	9.5%	0.08	37.14%	20.3%	278,883
3114	3.25	3.35	3.09	2.56	2.20	2.04	3.1%	-7.8%	-17.2%	-14.1%	-7.3%	0.20	59.22%	20.2%	58,467
1165	3.12	3.00	2.47	2.27	2.02	2.07	-3.8%	-17.7%	-8.1%	-11.0%	2.5%	0.19	50.26%	20.1%	16,640
0034	2.41	2.62	2.49	2.37	2.28	2.02	8.7%	-5.0%	-4.8%	-3.8%	-11.4%	0.09	38.31%	20.1%	618,087
8725	1.99	2.05	1.70	1.47	1.32	1.30	3.0%	-17.1%	-13.5%	-10.2%	-1.5%	0.20	53.18%	20.1%	77,495
5437	4.04	4.45	4.01	3.88	3.74	3.40	10.1%	-9.9%	-3.2%	-3.6%	-9.1%	0.09	41.24%	20.0%	1,606,638
1924	3.58	3.32	2.72	2.45	2.27	2.31	-7.3%	-18.1%	-9.9%	-7.3%	1.8%	0.20	52.08%	19.8%	141,113
3648	1.46	1.55	1.39	1.20	1.04	0.99	6.2%	-10.3%	-13.7%	-13.3%	-4.8%	0.18	58.14%	19.8%	105,389
9156	2.10	2.19	2.00	1.69	1.44	1.49	4.3%	-8.7%	-15.5%	-14.8%	3.5%	0.18	55.48%	19.8%	478,337
2790	1.63	1.80	1.85	1.82	1.65	1.61	10.4%	2.8%	-1.6%	-9.3%	-2.4%	0.06	29.17%	19.8%	34,426
7317	8.02	7.99	6.40	5.12	4.10	3.28	-0.4%	-19.9%	-20.0%	-19.9%	-20.0%	0.34	107.83%	19.6%	21,582
7099	15.63	17.38	15.92	14.99	13.78	13.09	11.2%	-8.4%	-5.8%	-8.1%	-5.0%	0.10	44.78%	19.6%	0
2923	1.85	1.77	1.52	1.39	1.28	1.35	-4.3%	-14.1%	-8.6%	-7.9%	5.5%	0.15	47.10%	19.6%	12,109
8013	0.32	0.34	0.32	0.30	0.26	0.23	6.3%	-5.9%	-6.3%	-13.3%	-11.5%	0.14	51.10%	19.6%	1,771,504
6872	10.12	9.12	7.30	5.84	4.76	4.74	-9.9%	-20.0%	-20.0%	-18.5%	-0.4%	0.33	88.21%	19.6%	315
8815	0.23	0.24	0.24	0.22	0.20	0.17	4.3%	0.0%	-8.3%	-9.1%	-15.0%	0.13	41.82%	19.3%	0
2413	2.52	2.65	2.32	2.06	1.77	1.73	5.2%	-12.5%	-11.2%	-14.1%	-2.3%	0.18	53.41%	19.2%	9,019
4243	2.06	2.21	1.95	1.84	1.69	1.71	7.3%	-11.8%	-5.6%	-8.2%	1.2%	0.11	38.61%	19.0%	1,019,207
3824	4.04	3.91	3.11	2.98	2.80	2.76	-3.2%	-20.5%	-4.2%	-6.0%	-1.4%	0.17	39.32%	19.0%	1,125,870
3111	2.15	2.08	1.75	1.64	1.62	1.67	-3.3%	-15.9%	-6.3%	-1.2%	3.1%	0.13	32.68%	19.0%	9,112
8728	0.37	0.41	0.42	0.40	0.37	0.34	10.8%	2.4%	-4.8%	-7.5%	-8.1%	0.08	38.20%	18.9%	671,111
8215	3.50	3.71	3.28	2.86	2.74	2.59	6.0%	-11.6%	-12.8%	-4.2%	-5.5%	0.14	46.64%	18.8%	1,374,111
8058	2.33	2.49	2.33	2.18	1.92	1.76	6.9%	-6.4%	-6.4%	-11.9%	-8.3%	0.13	46.78%	18.8%	2,662,659
3004	1.77	1.71	1.39	1.19	1.08	1.08	-3.4%	-18.7%	-14.4%	-9.2%	0.0%	0.23	53.38%	18.7%	8,092
6206	2.10	2.28	2.05	1.85	1.73	1.68	8.6%	-10.1%	-9.8%	-6.5%	-2.9%	0.12	43.73%	18.7%	199
2651	2.21	2.23	1.86	1.53	1.29	1.20	0.9%	-16.6%	-17.7%	-15.7%	-7.0%	0.26	71.43%	18.6%	64,863
8002	1.62	1.78	1.71	1.61	1.47	1.40	9.9%	-3.9%	-5.8%	-8.7%	-4.8%	0.09	37.64%	18.6%	757,785
8385	1.68	1.86	1.82	1.79	1.65	1.55	10.7%	-2.2%	-1.6%	-7.8%	-6.1%	0.07	31.46%	18.5%	613,814
7232	6.86	7.53	6.87	6.73	6.39	6.23	9.8%	-8.8%	-2.0%	-5.1%	-2.5%	0.07	31.18%	18.5%	267,304
4686	2.41	2.16	1.89	1.65	1.57	1.66	-10.4%	-12.5%	-12.7%	-4.8%	5.7%	0.18	55.13%	18.4%	162,764
2143	2.17	2.31	2.17	1.92	1.69	1.61	6.5%	-6.1%	-11.5%	-12.0%	-4.7%	0.14	47.67%	18.4%	220,449
5491	1.54	1.49	1.46	1.39	1.55	1.76	-3.2%	-2.0%	-4.8%	11.5%	13.5%	0.08	39.76%	18.3%	28,504
3719	1.04	0.95	0.76	0.65	0.60	0.59	-8.7%	-20.0%	-14.5%	-7.7%	-1.7%	0.25	63.42%	18.3%	47,309
7327	19.03	18.71	14.97	11.98	9.59	7.68	-1.7%	-20.0%	-20.0%	-19.9%	-19.9%	0.35	110.55%	18.3%	0
2841	3.55	3.94	3.83	3.55	3.40	3.27	11.0%	-2.8%	-7.3%	-4.2%	-3.8%	0.07	32.48%	18.3%	43,487
8032	1.70	1.75	1.66	1.50	1.27	1.20	2.9%	-5.1%	-9.6%	-15.3%	-5.5%	0.15	44.41%	18.3%	344,125
8047	0.84	0.77	0.68	0.61	0.65	0.65	-8.3%	-11.7%	-10.3%	6.6%	0.0%	0.12	42.20%	18.2%	917,919
8855	0.14	0.14	0.13	0.11	0.09	0.08	0.0%	-7.1%	-15.4%	-18.2%	-11.1%	0.23	62.34%	18.2%	42,572,768
5059	24.30	23.46	18.39	16.77	15.04	13.53	-3.5%	-21.6%	-8.8%	-10.3%	-10.0%	0.24	66.18%	18.2%	74,663
7425	2.02	1.82	1.49	1.28	1.10	1.10	-9.9%	-18.1%	-14.1%	-14.1%	0.0%	0.26	68.96%	18.1%	354,818
1925	3.25	3.35	3.06	2.62	2.24	2.32	3.1%	-8.7%	-14.4%	-14.5%	3.6%	0.17	51.92%	18.1%	471,662
2731	3.68	3.47	3.01	2.78	2.70	2.83	-5.7%	-13.3%	-7.6%	-2.9%	4.8%	0.13	38.96%	18.1%	477,666
4825	0.72	0.72	0.67	0.66	0.63	0.70	0.0%	-6.9%	-1.5%	-4.5%	11.1%	0.05	26.08%	18.1%	2,728,959
3257	2.47	2.48	2.17	2.01	1.99	2.10	0.4%	-12.5%	-7.4%	-1.0%	5.5%	0.10	29.26%	18.0%	397,859
9600	2.96	3.17	2.87	2.57	2.29	2.09	7.1%	-9.5%	-10.5%	-10.9%	-8.7%	0.16	56.13%	18.0%	4,170
1803	7.16	7.24	6.98	6.39	5.32	4.80	1.1%	-3.6%	-8.5%	-16.7%	-9.8%	0.16	45.59%	17.9%	242,797
1654	3.47	3.45	3.10	3.03	3.13	3.37	-0.6%	-10.1%	-2.3%	3.3%	7.7%	0.06	25.99%	17.8%	26,618

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Swing

	Loss Cost						Percent Change					Loss Cost	Absolute	Swing Max - Min	Payroll (100's)
Class Code	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025	Coef. Var	Change	Change	2023
8203	5.92	5.86	5.57	6.27	6.02	5.71	-1.0%	-4.9%	12.6%	-4.0%	-5.1%	0.04	30.48%	17.7%	72,189
3145	2.26	2.33	1.99	1.82	1.75	1.75	3.1%	-14.6%	-8.5%	-3.8%	0.0%	0.13	33.17%	17.7%	113,201
5037	10.46	9.86	8.07	6.71	6.41	6.38	-5.7%	-18.2%	-16.9%	-4.5%	-0.5%	0.23	53.23%	17.7%	23,718
6825	2.74	2.58	2.07	1.66	1.33	1.30	-5.8%	-19.8%	-19.8%	-19.9%	-2.3%	0.32	86.17%	17.6%	244,480
8102	1.92	2.01	1.75	1.58	1.52	1.45	4.7%	-12.9%	-9.7%	-3.8%	-4.6%	0.13	40.84%	17.6%	356,593
2586	2.50	2.78	2.68	3.05	3.44	3.59	11.2%	-3.6%	13.8%	12.8%	4.4%	0.14	54.32%	17.4%	69,837
3224	2.85	3.12	3.15	3.03	2.79	2.62	9.5%	1.0%	-3.8%	-7.9%	-6.1%	0.07	31.37%	17.4%	0
3336	2.63	2.72	2.34	2.18	2.07	2.14	3.4%	-14.0%	-6.8%	-5.0%	3.4%	0.12	36.76%	17.4%	110,052
2587	1.73	1.95	1.96	2.07	2.16	2.06	12.7%	0.5%	5.6%	4.3%	-4.6%	0.07	30.64%	17.3%	7,093
4683	3.58	3.60	3.31	3.61	3.86	4.20	0.6%	-8.1%	9.1%	6.9%	8.8%	0.08	37.88%	17.1%	58,651
2388	1.52	1.55	1.37	1.27	1.11	1.16	2.0%	-11.6%	-7.3%	-12.6%	4.5%	0.14	43.70%	17.1%	191,464
8721	0.25	0.26	0.25	0.23	0.20	0.18	4.0%	-3.8%	-8.0%	-13.0%	-10.0%	0.14	45.04%	17.0%	496,463
3827	2.35	2.39	2.10	1.78	1.57	1.49	1.7%	-12.1%	-15.2%	-11.8%	-5.1%	0.20	54.41%	16.9%	3,497
4283	1.38	1.28	1.20	1.24	1.36	1.34	-7.2%	-6.3%	3.3%	9.7%	-1.5%	0.06	31.04%	16.9%	262,004
1164	4.39	4.25	3.71	3.86	3.80	3.75	-3.2%	-12.7%	4.0%	-1.6%	-1.3%	0.07	24.50%	16.7%	1,020,260
8381	2.10	2.06	1.88	1.58	1.42	1.43	-1.9%	-8.7%	-16.0%	-10.1%	0.7%	0.18	42.50%	16.7%	256,971
8748	0.49	0.51	0.48	0.45	0.40	0.35	4.1%	-5.9%	-6.2%	-11.1%	-12.5%	0.14	46.36%	16.6%	4,975,398
2362	1.73	1.94	1.98	2.03	2.03	1.94	12.1%	2.1%	2.5%	0.0%	-4.4%	0.06	22.54%	16.6%	9,744
4239	1.90	2.01	1.85	1.77	1.58	1.57	5.8%	-8.0%	-4.3%	-10.7%	-0.6%	0.10	32.77%	16.5%	127,869
0042	5.32	5.69	5.33	4.82	4.83	4.38	7.0%	-6.3%	-9.6%	0.2%	-9.3%	0.09	36.49%	16.5%	1,098,518
9519	3.15	3.34	2.99	2.85	2.64	2.57	6.0%	-10.5%	-4.7%	-7.4%	-2.7%	0.10	35.15%	16.5%	624,596
2157	5.97	5.32	4.31	3.66	3.19	3.11	-10.9%	-19.0%	-15.1%	-12.8%	-2.5%	0.28	75.63%	16.5%	1,180,821
9016	2.85	2.83	2.53	2.33	1.93	1.74	-0.7%	-10.6%	-7.9%	-17.2%	-9.8%	0.19	54.68%	16.5%	683,659
6229	3.91	4.14	4.13	3.80	3.40	3.10	5.9%	-0.2%	-8.0%	-10.5%	-8.8%	0.11	37.86%	16.4%	154,269
4420	3.92	3.89	3.50	2.90	2.55	2.34	-0.8%	-10.0%	-17.1%	-12.1%	-8.2%	0.21	57.53%	16.4%	14,080
6874	15.18	14.63	11.71	9.37	7.50	6.00	-3.6%	-20.0%	-20.0%	-20.0%	-20.0%	0.35	114.69%	16.4%	0
4829	1.07	1.11	0.97	0.93	0.86	0.88	3.7%	-12.6%	-4.1%	-7.5%	2.3%	0.10	33.84%	16.4%	3,153,814
4484	2.47	2.65	2.41	2.27	2.14	2.10	7.3%	-9.1%	-5.8%	-5.7%	-1.9%	0.09	33.34%	16.3%	5,603,909
3085	4.41	4.61	4.34	3.88	3.66	3.87	4.5%	-5.9%	-10.6%	-5.7%	5.7%	0.09	36.75%	16.3%	1,156,415
1452	2.81	2.96	2.72	2.46	2.19	2.03	5.3%	-8.1%	-9.6%	-11.0%	-7.3%	0.14	48.57%	16.3%	110,457
3647	2.49	2.76	2.62	2.56	2.42	2.50	10.8%	-5.1%	-2.3%	-5.5%	3.3%	0.05	29.80%	16.3%	1,686,921
8021	2.67	2.69	2.28	2.17	2.02	2.04	0.7%	-15.2%	-4.8%	-6.9%	1.0%	0.13	31.41%	16.2%	513,018
2501	2.45	2.53	2.21	2.01	1.75	1.58	3.3%	-12.6%	-9.0%	-12.9%	-9.7%	0.18	57.18%	16.2%	1,343,907
4828	1.82	1.94	1.79	1.77	1.60	1.62	6.6%	-7.7%	-1.1%	-9.6%	1.3%	0.07	28.86%	16.2%	1,588,455
0913	394.00	423.00	417.00	397.00	362.00	348.00	7.4%	-1.4%	-4.8%	-8.8%	-3.9%	0.08	28.97%	16.2%	302
9554	7.50	7.40	6.64	5.48	4.75	4.59	-1.3%	-10.3%	-17.5%	-13.3%	-3.4%	0.21	53.76%	16.1%	190,737
3400	4.20	4.31	3.98	3.56	3.08	2.98	2.6%	-7.7%	-10.6%	-13.5%	-3.2%	0.15	43.10%	16.1%	1,479,508
9620	1.01	1.05	1.10	0.99	1.05	1.03	4.0%	4.8%	-10.0%	6.1%	-1.9%	0.04	29.48%	16.1%	682,833
5462	4.99	4.67	3.88	3.54	3.39	3.36	-6.4%	-16.9%	-8.8%	-4.2%	-0.9%	0.18	42.30%	16.0%	425,352
1624	2.90	2.46	2.45	2.37	2.39	2.35	-15.2%	-0.4%	-3.3%	0.8%	-1.7%	0.08	22.44%	16.0%	1,294,274
8265	4.13	4.13	3.73	3.60	3.15	3.26	0.0%	-9.7%	-3.5%	-12.5%	3.5%	0.11	32.16%	16.0%	401,081
6003	4.26	4.58	4.55	4.30	4.01	3.67	7.5%	-0.7%	-5.5%	-6.7%	-8.5%	0.08	32.19%	16.0%	30,660
2095	3.23	3.42	3.18	2.86	2.61	2.38	5.9%	-7.0%	-10.1%	-8.7%	-8.8%	0.14	47.57%	15.9%	2,381,992
3255	2.24	2.37	2.29	2.30	2.07	2.05	5.8%	-3.4%	0.4%	-10.0%	-1.0%	0.06	22.01%	15.8%	0
0036	6.61	5.93	4.73	4.00	3.18	3.03	-10.3%	-20.2%	-15.4%	-20.5%	-4.7%	0.32	93.15%	15.8%	89,446
4263	3.32	3.36	3.26	3.29	3.71	4.04	1.2%	-3.0%	0.9%	12.8%	8.9%	0.09	29.15%	15.7%	42,576
4207	1.80	1.92	1.97	1.89	1.72	1.75	6.7%	2.6%	-4.1%	-9.0%	1.7%	0.05	26.30%	15.7%	100
2799	5.03	4.69	4.37	4.20	4.30	4.68	-6.8%	-6.8%	-3.9%	2.4%	8.8%	0.07	32.02%	15.7%	37,486
2131	2.22	2.34	2.15	2.13	2.07	1.86	5.4%	-8.1%	-0.9%	-2.8%	-10.1%	0.08	30.26%	15.6%	107,114
8292	3.42	3.52	3.23	3.01	2.63	2.38	2.9%	-8.2%	-6.8%	-12.6%	-9.5%	0.15	46.75%	15.5%	2,097,181
5146	4.38	4.46	3.97	3.43	3.11	2.98	1.8%	-11.0%	-13.6%	-9.3%	-4.2%	0.17	46.23%	15.4%	378,173
3042	4.76	4.79	4.28	3.72	3.17	2.87	0.6%	-10.6%	-13.1%	-14.8%	-9.5%	0.21	58.21%	15.4%	1,678
8820	0.13	0.11	0.10	0.09	0.08	0.08	-15.4%	-9.1%	-10.0%	-11.1%	0.0%	0.20	53.85%	15.4%	15,705,850
4740	0.98	1.01	0.96	0.88	0.90	0.79	3.1%	-5.0%	-8.3%	2.3%	-12.2%	0.09	34.49%	15.3%	110,482
7333	1.85	1.97	2.03	1.94	1.77	1.64	6.5%	3.0%	-4.4%	-8.8%	-7.3%	0.08	33.79%	15.2%	0
7445	0.64	0.66	0.58	0.57	0.51	0.45	3.1%	-12.1%	-1.7%	-10.5%	-11.8%	0.14	45.29%	15.2%	0
7335	2.05	2.19	2.26	2.15	1.97	1.82	6.8%	3.2%	-4.9%	-8.4%	-7.6%	0.08	34.83%	15.2%	1,470
8015	0.73	0.68	0.59	0.53	0.51	0.52	-6.8%	-13.2%	-10.2%	-3.8%	2.0%	0.16	41.04%	15.2%	472,577
4558	1.71	1.72	1.55	1.41	1.32	1.39	0.6%	-9.9%	-9.0%	-6.4%	5.3%	0.11	35.00%	15.2%	494,271
6836	3.02	3.09	2.80	2.44	2.17	1.96	2.3%	-9.4%	-12.9%	-11.1%	-9.7%	0.18	53.86%	15.2%	237,577
6213	1.15	1.11	1.23	1.32	1.37	1.53	-3.5%	10.8%	7.3%	3.8%	11.7%	0.12	42.63%	15.2%	2,977
7405	1.19	1.22	1.08	1.05	0.95	0.83	2.5%	-11.5%	-2.8%	-9.5%	-12.6%	0.14	44.90%	15.2%	164,852
3581	1.22	1.27	1.13	1.11	1.04	0.94	4.1%	-11.0%	-1.8%	-6.3%	-9.6%	0.11	37.06%	15.1%	125,169
8833	1.04	1.07	0.96	0.90	0.79	0.76	2.9%	-10.3%	-6.2%	-12.2%	-3.8%	0.14	40.42%	15.1%	29,110,162
4251	3.28	3.41	3.41	3.43	3.15	2.80	4.0%	0.0%	0.6%	-8.2%	-11.1%	0.08	25.68%	15.1%	104,826
3179	2.01	2.08	1.84	1.65	1.53	1.43	3.5%	-11.5%	-10.3%	-7.3%	-6.5%	0.15	45.53%	15.0%	2,417,069
8601	0.22	0.22	0.22	0.20	0.17	0.16	0.0%	0.0%	-9.1%	-15.0%	-5.9%	0.14	32.83%	15.0%	14,269,032
4410	2.88	3.06	2.85	2.75	2.51	2.41	6.3%	-6.9%	-3.5%	-8.7%	-4.0%	0.09	32.87%	15.0%	1,347,191
2702	15.86	15.80	14.82	14.67	12.59	12.69	-0.4%	-6.2%	-1.0%	-14.2%	0.8%	0.10	23.93%	15.0%	22,315

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Swing

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
8037	1.61	1.72	1.58	1.51	1.40	1.32	6.8%	-8.1%	-4.4%	-7.3%	-5.7%	0.10	36.83%	15.0%	11,767,238
7230	6.01	6.30	6.00	5.54	4.98	4.84	4.8%	-4.8%	-7.7%	-10.1%	-2.8%	0.11	33.85%	14.9%	87,566
7720	2.53	2.71	2.50	2.45	2.38	2.30	7.1%	-7.7%	-2.0%	-2.9%	-3.4%	0.06	25.16%	14.9%	5,224,713
5222	6.74	6.70	6.23	5.27	5.09	4.66	-0.6%	-7.0%	-15.4%	-3.4%	-8.4%	0.15	39.34%	14.8%	285,346
1699	2.56	2.50	2.21	2.27	2.20	2.27	-2.3%	-11.6%	2.7%	-3.1%	3.2%	0.07	24.78%	14.8%	301,099
8709	4.35	4.12	3.30	2.64	2.12	1.70	-5.3%	-19.9%	-20.0%	-19.7%	-19.8%	0.35	117.25%	14.7%	2,179
2600	3.72	4.08	4.02	3.96	3.78	3.59	9.7%	-1.5%	-1.5%	-4.5%	-5.0%	0.05	24.02%	14.7%	0
3146	2.22	2.25	1.95	1.87	1.70	1.72	1.4%	-13.3%	-4.1%	-9.1%	1.2%	0.12	31.98%	14.7%	432,010
2039	2.50	2.68	2.48	2.60	2.42	2.55	7.2%	-7.5%	4.8%	-6.9%	5.4%	0.04	36.07%	14.7%	542,152
5221	3.94	4.15	3.79	3.53	3.22	2.92	5.3%	-8.7%	-6.9%	-8.8%	-9.3%	0.13	45.46%	14.6%	3,854,375
5403	4.98	4.92	4.49	3.78	3.19	3.10	-1.2%	-8.7%	-15.8%	-15.6%	-2.8%	0.21	51.50%	14.6%	3,768,708
4130	3.09	3.03	2.78	2.70	2.84	3.02	-1.9%	-8.3%	-2.9%	5.2%	6.3%	0.05	26.98%	14.6%	279,355
3082	4.61	4.76	4.26	3.96	3.72	3.87	3.3%	-10.5%	-7.0%	-6.1%	4.0%	0.10	34.76%	14.5%	44,596
2402	2.46	2.54	2.34	2.16	1.95	1.73	3.3%	-7.9%	-7.7%	-9.7%	-11.3%	0.14	46.46%	14.5%	2,062
0005	2.84	2.90	2.54	2.35	2.19	2.12	2.1%	-12.4%	-7.5%	-6.8%	-3.2%	0.13	35.99%	14.5%	248,878
8001	1.88	1.95	1.74	1.67	1.50	1.44	3.7%	-10.8%	-4.0%	-10.2%	-4.0%	0.12	36.95%	14.5%	444,924
2915	3.35	3.32	2.95	2.51	2.24	2.23	-0.9%	-11.1%	-14.9%	-10.8%	-0.4%	0.19	43.37%	14.5%	6,073
4692	0.82	0.86	0.78	0.73	0.66	0.64	4.9%	-9.3%	-6.4%	-9.6%	-3.0%	0.12	37.73%	14.5%	353,933
9170	10.34	10.85	10.05	10.30	9.32	8.58	4.9%	-7.4%	2.5%	-9.5%	-7.9%	0.08	36.50%	14.4%	51,382
9521	3.29	3.45	3.12	3.05	2.81	2.59	4.9%	-9.6%	-2.2%	-7.9%	-7.8%	0.10	36.64%	14.4%	293,847
9501	2.84	2.99	2.78	2.54	2.31	2.33	5.3%	-7.0%	-8.6%	-9.1%	0.9%	0.11	34.64%	14.3%	346,761
8031	1.98	2.01	1.89	1.72	1.50	1.36	1.5%	-6.0%	-9.0%	-12.8%	-9.3%	0.15	44.59%	14.3%	253,691
8805	0.15	0.15	0.15	0.14	0.12	0.11	0.0%	0.0%	-6.7%	-14.3%	-8.3%	0.13	32.06%	14.3%	0
4432	1.21	1.20	1.10	1.05	1.01	1.07	-0.8%	-8.3%	-4.5%	-3.8%	5.9%	0.07	25.59%	14.3%	12,873
3383	1.51	1.55	1.37	1.27	1.19	1.18	2.6%	-11.6%	-7.3%	-6.3%	-0.8%	0.12	31.77%	14.3%	37,959
3315	3.04	2.97	2.52	2.37	2.20	2.18	-2.3%	-15.2%	-6.0%	-7.2%	-0.9%	0.15	34.98%	14.2%	21,238
4693	0.82	0.92	0.92	0.98	0.96	0.96	12.2%	0.0%	6.5%	-2.0%	0.0%	0.06	21.95%	14.2%	134,598
2417	1.34	1.40	1.40	1.34	1.23	1.11	4.5%	0.0%	-4.3%	-8.2%	-9.8%	0.09	29.40%	14.2%	27,104
3270	3.65	3.62	3.23	2.86	2.43	2.19	-0.8%	-10.8%	-11.5%	-15.0%	-9.9%	0.20	57.34%	14.2%	156,285
5443	2.80	2.82	2.52	2.18	2.05	1.96	0.7%	-10.6%	-13.5%	-6.0%	-4.4%	0.16	39.89%	14.2%	1,380
9083	0.91	0.97	0.92	0.85	0.80	0.78	6.6%	-5.2%	-7.6%	-5.9%	-2.5%	0.09	30.90%	14.2%	16,364,755
6319	3.42	3.30	3.10	2.60	2.14	1.88	-3.5%	-6.1%	-16.1%	-17.7%	-12.1%	0.23	68.27%	14.2%	931,411
8824	1.88	1.91	1.67	1.60	1.46	1.32	1.6%	-12.6%	-4.2%	-8.8%	-9.6%	0.14	42.01%	14.2%	8,493,704
3220	2.15	2.19	2.00	1.79	1.57	1.47	1.9%	-8.7%	-10.5%	-12.3%	-6.4%	0.16	46.10%	14.2%	380,326
2361	1.80	1.74	1.60	1.53	1.48	1.57	-3.3%	-8.0%	-4.4%	-3.3%	6.1%	0.08	27.66%	14.1%	2,750
3119	1.37	1.41	1.30	1.16	1.03	0.97	2.9%	-7.8%	-10.8%	-11.2%	-5.8%	0.15	44.63%	14.1%	12,015
3122	2.03	2.08	1.89	1.72	1.52	1.53	2.5%	-9.1%	-9.0%	-11.6%	0.7%	0.14	36.95%	14.1%	440
2110	1.80	1.76	1.70	1.79	1.98	2.15	-2.2%	-3.4%	5.3%	10.6%	8.6%	0.09	33.69%	14.0%	2,190
4431	1.26	1.26	1.17	1.07	0.92	0.85	0.0%	-7.1%	-8.5%	-14.0%	-7.6%	0.16	42.69%	14.0%	13,690
2174	2.76	2.93	2.70	2.60	2.47	2.50	6.2%	-7.8%	-3.7%	-5.0%	1.2%	0.07	26.18%	14.0%	216
1748	5.31	5.60	5.27	4.92	4.50	4.22	5.5%	-5.9%	-6.6%	-8.5%	-6.2%	0.11	37.30%	14.0%	0
7705	3.76	3.79	3.29	3.17	3.09	3.06	0.8%	-13.2%	-3.6%	-2.5%	-1.0%	0.10	22.42%	14.0%	1,569,925
9179	17.37	17.95	16.04	14.97	13.84	12.88	3.3%	-10.6%	-6.7%	-7.5%	-6.9%	0.13	40.27%	14.0%	95,025
8293	7.18	7.09	6.01	5.30	4.53	4.17	-1.3%	-15.2%	-11.8%	-14.5%	-7.9%	0.22	61.29%	14.0%	726,412
9058	1.33	1.39	1.32	1.27	1.15	1.07	4.5%	-5.0%	-3.8%	-9.4%	-7.0%	0.10	33.37%	14.0%	1,113,365
9178	10.14	10.32	9.48	8.62	7.57	6.82	1.8%	-8.1%	-9.1%	-12.2%	-9.9%	0.16	48.01%	14.0%	128,998
2710	12.46	12.62	11.52	10.76	9.40	8.34	1.3%	-8.7%	-6.6%	-12.6%	-11.3%	0.16	47.12%	13.9%	115,235
2003	3.52	3.65	3.28	3.18	2.94	2.71	3.7%	-10.1%	-3.0%	-7.5%	-7.8%	0.11	36.47%	13.8%	1,176,668
9062	1.16	1.20	1.08	1.07	0.96	0.97	3.4%	-10.0%	-0.9%	-10.3%	1.0%	0.09	27.97%	13.7%	80,345
9182	1.67	1.75	1.72	1.80	1.64	1.51	4.8%	-1.7%	4.7%	-8.9%	-7.9%	0.06	31.09%	13.7%	643,547
5223	5.27	4.97	4.08	3.29	2.85	2.54	-5.7%	-17.9%	-19.4%	-13.4%	-10.9%	0.29	86.99%	13.7%	280,995
5951	0.35	0.39	0.40	0.44	0.46	0.45	11.4%	2.6%	10.0%	4.5%	-2.2%	0.10	34.29%	13.6%	641,338
4923	0.97	0.99	0.93	0.93	1.00	1.04	2.1%	-6.1%	0.0%	7.5%	4.0%	0.04	21.05%	13.6%	2,253
2089	3.17	3.13	2.77	2.36	2.10	2.05	-1.3%	-11.5%	-14.8%	-11.0%	-2.4%	0.19	47.33%	13.5%	2,462,460
5160	2.02	1.96	1.64	1.49	1.43	1.39	-3.0%	-16.3%	-9.1%	-4.0%	-2.8%	0.17	39.81%	13.5%	568,254
8800	1.23	1.21	1.08	1.11	1.08	1.09	-1.6%	-10.7%	2.8%	-2.7%	0.9%	0.06	19.90%	13.5%	510,816
4583	4.08	4.43	4.22	4.05	3.85	3.97	8.6%	-4.7%	-4.0%	-4.9%	3.1%	0.05	28.02%	13.5%	459,782
6400	5.06	4.94	4.65	4.28	3.60	3.06	-2.4%	-5.9%	-8.0%	-15.9%	-15.0%	0.19	55.93%	13.5%	324,507
9505	3.98	3.87	3.24	2.76	2.38	2.20	-2.8%	-16.3%	-14.8%	-13.8%	-7.6%	0.24	67.89%	13.5%	128,134
8370	3.45	3.52	3.46	3.59	3.24	3.07	2.0%	-1.7%	3.8%	-9.7%	-5.2%	0.06	24.36%	13.5%	642,279
7360	3.66	3.73	3.34	3.31	3.29	3.39	1.9%	-10.5%	-0.9%	-0.6%	3.0%	0.06	17.74%	13.5%	604,364
8018	2.19	2.31	2.25	2.07	1.92	1.90	5.5%	-2.6%	-8.0%	-7.2%	-1.0%	0.08	26.65%	13.5%	10,806,292
3131	1.81	1.79	1.61	1.44	1.23	1.15	-1.1%	-10.1%	-10.6%	-14.6%	-6.5%	0.19	50.13%	13.5%	15,786
3307	3.27	2.92	2.48	2.16	1.88	1.85	-10.7%	-15.1%	-12.9%	-13.0%	-1.6%	0.24	65.06%	13.5%	83,232
7610	0.39	0.41	0.39	0.36	0.33	0.33	5.1%	-4.9%	-7.7%	-8.3%	0.0%	0.09	28.63%	13.5%	3,208,689
8291	2.89	2.99	2.80	2.52	2.35	2.26	3.5%	-6.4%	-10.0%	-6.7%	-3.8%	0.11	34.15%	13.5%	355,965
9019	1.80	1.94	1.83	1.97	1.93	1.87	7.8%	-5.7%	7.7%	-2.0%	-3.1%	0.04	28.98%	13.4%	3,819
2288	3.55	3.84	3.65	3.46	3.41	3.41	8.2%	-4.9%	-5.2%	-1.4%	0.0%	0.05	21.16%	13.4%	27,965
6826	4.21	3.93	3.15	2.72	2.50	2.00	-6.7%	-19.8%	-13.7%	-8.1%	-20.0%	0.28	88.42%	13.3%	537

NCCI Missouri Loss Cost Filing Effective January 1, 2025
Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Swing

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
9015	2.66	2.73	2.62	2.50	2.35	2.10	2.6%	-4.0%	-4.6%	-6.0%	-10.6%	0.09	30.95%	13.3%	4,868,381
4902	2.39	2.34	2.15	1.82	1.63	1.55	-2.1%	-8.1%	-15.3%	-10.4%	-4.9%	0.18	47.52%	13.3%	80,332
3041	4.07	3.96	3.34	3.05	2.90	2.83	-2.7%	-15.7%	-8.7%	-4.9%	-2.4%	0.16	38.71%	13.2%	23,989
1322	6.10	6.44	6.30	6.03	5.57	5.27	5.6%	-2.2%	-4.3%	-7.6%	-5.4%	0.08	27.59%	13.2%	0
3559	2.36	2.35	2.12	1.91	1.65	1.47	-0.4%	-9.8%	-9.9%	-13.6%	-10.9%	0.19	52.69%	13.2%	88,658
8831	1.14	1.14	0.99	0.91	0.84	0.80	0.0%	-13.2%	-8.1%	-7.7%	-4.8%	0.15	37.98%	13.2%	4,115,728
2211	9.36	8.97	7.79	6.98	6.28	6.28	-4.2%	-13.2%	-10.4%	-10.0%	0.0%	0.18	43.18%	13.2%	8
5472	4.55	4.36	4.75	5.02	5.05	4.97	-4.2%	8.9%	5.7%	0.6%	-1.6%	0.06	22.57%	13.1%	52,080
2002	2.91	3.08	3.02	3.03	2.81	2.76	5.8%	-1.9%	0.3%	-7.3%	-1.8%	0.04	18.19%	13.1%	231,791
5479	6.14	6.14	5.81	5.50	4.81	4.18	0.0%	-5.4%	-5.3%	-12.5%	-13.1%	0.15	41.28%	13.1%	224,022
2416	1.80	1.94	1.98	2.12	2.07	1.96	7.8%	2.1%	7.1%	-2.4%	-5.3%	0.06	26.96%	13.1%	0
6503	1.96	2.00	1.92	1.75	1.66	1.73	2.0%	-4.0%	-8.9%	-5.1%	4.2%	0.08	26.58%	13.1%	75,138
6702	3.45	3.54	3.17	2.95	2.71	2.64	2.6%	-10.5%	-6.9%	-8.1%	-2.6%	0.12	34.44%	13.1%	0
6704	3.83	3.93	3.52	3.28	3.01	2.93	2.6%	-10.4%	-6.8%	-8.2%	-2.7%	0.12	34.49%	13.0%	0
8033	1.51	1.55	1.41	1.35	1.21	1.12	2.6%	-9.0%	-4.3%	-10.4%	-7.4%	0.12	38.36%	13.0%	5,497,198
3635	2.10	2.08	1.79	1.59	1.37	1.32	-1.0%	-13.9%	-11.2%	-13.8%	-3.6%	0.20	50.89%	13.0%	95,567
8353	3.21	3.44	3.24	3.09	3.01	3.18	7.2%	-5.8%	-4.6%	-2.6%	5.6%	0.05	28.59%	13.0%	312,619
2016	2.88	2.84	2.55	2.31	2.17	2.23	-1.4%	-10.2%	-9.4%	-6.1%	2.8%	0.12	33.25%	13.0%	411,264
5507	3.20	3.28	3.14	2.83	2.64	2.72	2.5%	-4.3%	-9.9%	-6.7%	3.0%	0.09	29.11%	12.9%	273,082
3064	3.32	3.45	3.35	3.05	2.91	2.69	3.9%	-2.9%	-9.0%	-4.6%	-7.6%	0.09	31.06%	12.9%	188,424
8008	0.88	0.91	0.85	0.81	0.74	0.67	3.4%	-6.6%	-4.7%	-8.6%	-9.5%	0.11	37.25%	12.9%	4,206,819
4062	2.63	2.67	2.39	2.12	1.98	1.78	1.5%	-10.5%	-11.3%	-6.6%	-10.1%	0.16	46.53%	12.8%	22,058
2172	1.47	1.48	1.37	1.33	1.31	1.38	0.7%	-7.4%	-2.9%	-1.5%	5.3%	0.05	19.03%	12.8%	0
9040	3.29	3.38	3.07	3.18	3.01	2.78	2.7%	-9.2%	3.6%	-5.3%	-7.6%	0.07	31.74%	12.8%	1,307,020
4244	2.32	2.48	2.39	2.25	2.17	2.19	6.9%	-3.6%	-5.9%	-3.6%	0.9%	0.05	22.55%	12.8%	1,478,281
3022	3.44	3.28	2.85	2.71	2.56	2.55	-4.7%	-13.1%	-4.9%	-5.5%	-0.4%	0.13	31.57%	12.7%	153,268
2114	2.96	2.92	2.51	2.26	1.99	1.83	-1.4%	-14.0%	-10.0%	-11.9%	-8.0%	0.20	53.72%	12.7%	0
7855	3.10	3.17	2.84	2.64	2.42	2.34	2.3%	-10.4%	-7.0%	-8.3%	-3.3%	0.13	35.25%	12.7%	366,537
4351	0.83	0.89	0.92	0.97	0.92	0.87	7.2%	3.4%	5.4%	-5.2%	-5.4%	0.05	29.57%	12.7%	56,545
8034	1.92	2.01	1.85	1.72	1.63	1.64	4.7%	-8.0%	-7.0%	-5.2%	0.6%	0.09	28.07%	12.6%	296,946
4131	4.55	4.58	4.13	3.91	4.02	4.13	0.7%	-9.8%	-5.3%	2.8%	2.7%	0.07	22.99%	12.6%	0
5022	5.46	5.66	5.65	5.15	4.69	4.31	3.7%	-0.2%	-8.8%	-8.9%	-8.1%	0.11	33.11%	12.6%	1,418,241
6216	3.96	4.01	3.77	3.48	3.09	2.74	1.3%	-6.0%	-7.7%	-11.2%	-11.3%	0.14	43.09%	12.6%	8,552
5535	5.36	5.52	4.99	4.87	4.57	4.27	3.0%	-9.6%	-2.4%	-6.2%	-6.6%	0.10	30.76%	12.6%	1,534,523
5606	1.10	1.12	1.06	0.99	0.93	0.83	1.8%	-5.4%	-6.6%	-6.1%	-10.8%	0.11	34.33%	12.6%	8,223,704
8111	1.54	1.52	1.50	1.59	1.53	1.43	-1.3%	-1.3%	6.0%	-3.8%	-6.5%	0.03	20.27%	12.5%	824,572
3515	2.59	2.57	2.33	2.02	1.76	1.62	-0.8%	-9.3%	-13.3%	-12.9%	-8.0%	0.19	52.12%	12.5%	8,549
8393	1.24	1.30	1.30	1.20	1.19	1.14	4.8%	0.0%	-7.7%	-0.8%	-4.2%	0.05	18.63%	12.5%	2,607,863
3681	0.73	0.72	0.62	0.57	0.51	0.47	-1.4%	-13.9%	-8.1%	-10.5%	-7.8%	0.18	48.71%	12.5%	3,677,943
8288	6.89	6.96	6.16	5.77	5.32	4.76	1.0%	-11.5%	-6.3%	-7.8%	-10.5%	0.15	42.69%	12.5%	159,626
8606	1.69	1.68	1.46	1.33	1.18	1.06	-0.6%	-13.1%	-8.9%	-11.3%	-10.2%	0.18	51.89%	12.5%	13,808
7402	0.10	0.10	0.09	0.09	0.08	0.07	0.0%	-10.0%	0.0%	-11.1%	-12.5%	0.13	37.50%	12.5%	9,554
4273	2.27	2.34	2.12	1.98	1.84	1.75	3.1%	-9.4%	-6.6%	-7.1%	-4.9%	0.11	35.02%	12.5%	653,037
9102	2.50	2.48	2.26	2.19	1.90	1.67	-0.8%	-8.9%	-3.1%	-13.2%	-12.1%	0.15	43.63%	12.4%	3,551,576
5480	5.08	4.91	4.58	4.37	4.62	4.64	-3.3%	-6.7%	-4.6%	5.7%	0.4%	0.05	22.48%	12.4%	46,968
0170	1.99	1.99	1.95	1.82	1.61	1.41	0.0%	-2.0%	-6.7%	-11.5%	-12.4%	0.13	36.44%	12.4%	12,132
4109	0.55	0.57	0.52	0.53	0.53	0.52	3.6%	-8.8%	1.9%	0.0%	-1.9%	0.04	17.06%	12.4%	135,827
3372	3.13	2.99	2.66	2.33	2.15	2.15	-4.5%	-11.0%	-12.4%	-7.7%	0.0%	0.17	40.47%	12.4%	200,397
8392	2.12	2.10	1.82	1.67	1.65	1.53	-0.9%	-13.3%	-8.2%	-1.2%	-7.3%	0.14	34.43%	12.4%	370,507
3851	2.69	2.38	2.04	1.80	1.57	1.54	-11.5%	-14.3%	-11.8%	-12.8%	-1.9%	0.23	63.72%	12.4%	6,740
3620	3.69	3.64	3.28	2.83	2.65	2.40	-1.4%	-9.9%	-13.7%	-6.4%	-9.4%	0.17	47.42%	12.4%	754,367
4741	2.22	2.31	2.17	2.23	2.23	2.37	4.1%	-6.1%	2.8%	0.0%	6.3%	0.03	20.53%	12.3%	100,386
6217	3.40	3.15	2.73	2.70	2.51	2.41	-7.4%	-13.3%	-1.1%	-7.0%	-4.0%	0.14	36.90%	12.2%	3,291,414
4114	3.11	3.11	2.73	2.40	2.13	2.04	0.0%	-12.2%	-12.1%	-11.3%	-4.2%	0.18	45.85%	12.2%	246,550
7395	3.92	4.14	3.95	3.79	3.54	3.46	5.6%	-4.6%	-4.1%	-6.6%	-2.3%	0.07	25.28%	12.2%	0
3548	1.43	1.48	1.40	1.39	1.27	1.18	3.5%	-5.4%	-0.7%	-8.6%	-7.1%	0.08	27.81%	12.1%	117,191
7394	3.53	3.73	3.56	3.41	3.19	3.11	5.7%	-4.6%	-4.2%	-6.5%	-2.5%	0.07	25.64%	12.1%	0
3126	1.31	1.36	1.30	1.40	1.37	1.38	3.8%	-4.4%	7.7%	-2.1%	0.7%	0.03	20.11%	12.1%	280,510
2380	1.98	2.00	1.86	1.68	1.72	1.75	1.0%	-7.0%	-9.7%	2.4%	1.7%	0.07	23.48%	12.1%	49,704
5610	4.25	3.68	3.63	3.41	3.24	2.97	-13.4%	-1.4%	-6.1%	-5.0%	-8.3%	0.12	38.66%	12.1%	168,289
2130	1.68	1.72	1.60	1.68	1.63	1.63	2.4%	-7.0%	5.0%	-3.0%	0.0%	0.03	18.42%	12.0%	172,624
3385	0.82	0.88	0.86	0.86	0.82	0.80	7.3%	-2.3%	0.0%	-4.7%	-2.4%	0.04	17.66%	12.0%	8,127
5445	4.38	3.97	3.43	3.13	3.06	3.01	-9.4%	-13.6%	-8.7%	-2.2%	-1.6%	0.16	40.38%	12.0%	2,180,414
9403	6.79	6.87	6.13	5.70	5.55	5.45	1.2%	-10.8%	-7.0%	-2.6%	-1.8%	0.10	25.31%	11.9%	1,937,117
2081	4.79	4.79	4.50	4.52	4.00	3.68	0.0%	-6.1%	0.4%	-11.5%	-8.0%	0.10	28.28%	11.9%	48,722
9410	2.63	2.71	2.60	2.55	2.47	2.25	3.0%	-4.1%	-1.9%	-3.1%	-8.9%	0.06	22.75%	11.9%	303,166
3642	1.21	1.12	1.11	1.16	1.17	1.11	-7.4%	-0.9%	4.5%	0.9%	-5.1%	0.04	20.12%	11.9%	0
4717	2.05	2.11	1.92	1.94	1.81	1.76	2.9%	-9.0%	1.0%	-6.7%	-2.8%	0.07	24.30%	11.9%	93,142
2883	2.83	2.74	2.46	2.25	1.91	1.81	-3.2%	-10.2%	-8.5%	-15.1%	-5.2%	0.18	49.52%	11.9%	2,115,812

NCCI Missouri Loss Cost Filing Effective January 1, 2025

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Swing

Class Code	Loss Cost 2020	2021	2022	2023	2024	2025	Percent Change 2021	2022	2023	2024	2025	Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's) 2023
9186	14.81	13.02	10.84	9.37	7.12	5.98	-12.1%	-16.7%	-13.6%	-24.0%	-16.0%	0.33	113.79%	11.9%	30,733
8500	4.60	4.61	4.30	4.11	3.63	3.32	0.2%	-6.7%	-4.4%	-11.7%	-8.5%	0.13	35.38%	11.9%	110,918
8044	2.26	2.20	1.88	1.76	1.65	1.53	-2.7%	-14.5%	-6.4%	-6.3%	-7.3%	0.16	42.58%	11.9%	1,987,009
4635	2.94	2.77	2.39	2.06	1.89	1.85	-5.8%	-13.7%	-13.8%	-8.3%	-2.1%	0.20	51.34%	11.7%	467,563
6824	7.27	6.64	5.33	4.83	4.44	3.84	-8.7%	-19.7%	-9.4%	-8.1%	-13.5%	0.24	74.58%	11.7%	473
7222	5.63	5.80	5.68	5.45	4.98	4.68	3.0%	-2.1%	-4.0%	-8.6%	-6.0%	0.08	26.00%	11.6%	408
1747	1.95	1.99	2.05	2.33	2.56	2.71	2.1%	3.0%	13.7%	9.9%	5.9%	0.14	38.97%	11.6%	89,103
6235	5.33	5.18	4.74	4.06	3.62	3.32	-2.8%	-8.5%	-14.3%	-10.8%	-8.3%	0.19	53.09%	11.5%	1,898
4240	3.48	3.37	2.90	2.52	2.15	1.96	-3.2%	-13.9%	-13.1%	-14.7%	-8.8%	0.23	65.95%	11.5%	71,291
2589	1.88	1.96	1.89	1.79	1.66	1.72	4.3%	-3.6%	-5.3%	-7.3%	3.6%	0.06	26.36%	11.5%	158,330
2014	4.52	4.62	4.28	4.09	3.71	3.63	2.2%	-7.4%	-4.4%	-9.3%	-2.2%	0.10	27.95%	11.5%	959,288
5190	2.50	2.49	2.21	2.02	1.78	1.73	-0.4%	-11.2%	-8.6%	-11.9%	-2.8%	0.16	39.52%	11.5%	7,098,661
3110	4.21	4.19	3.69	3.34	3.09	3.07	-0.5%	-11.9%	-9.5%	-7.5%	-0.6%	0.14	33.21%	11.5%	67,412
3821	4.46	4.57	4.16	4.12	3.96	3.80	2.5%	-9.0%	-1.0%	-3.9%	-4.0%	0.07	21.84%	11.4%	275,937
8017	1.31	1.28	1.15	1.03	1.00	1.01	-2.3%	-10.2%	-10.4%	-2.9%	1.0%	0.12	29.34%	11.4%	10,648,378
3028	3.60	3.71	3.40	3.24	3.28	3.16	3.1%	-8.4%	-4.7%	1.2%	-3.7%	0.06	22.70%	11.4%	308,179
0079	3.57	3.42	2.97	2.58	2.18	1.96	-4.2%	-13.2%	-13.1%	-15.5%	-10.1%	0.24	69.63%	11.3%	24,396
8235	3.54	3.58	3.22	3.20	3.08	2.99	1.1%	-10.1%	-0.6%	-3.8%	-2.9%	0.07	19.59%	11.2%	159,486
2916	3.71	3.41	3.04	2.70	2.48	2.48	-8.1%	-10.9%	-11.2%	-8.1%	0.0%	0.17	44.07%	11.2%	440
2759	6.08	5.91	5.23	4.69	4.05	3.95	-2.8%	-11.5%	-10.3%	-13.6%	-2.5%	0.18	47.26%	11.2%	400,324
4111	1.73	1.79	1.66	1.70	1.57	1.62	3.5%	-7.3%	2.4%	-7.6%	3.2%	0.05	26.24%	11.1%	4,915
8810	0.11	0.11	0.11	0.10	0.09	0.08	0.0%	0.0%	-9.1%	-10.0%	-11.1%	0.13	33.33%	11.1%	320,937,297
8350	5.32	5.23	4.65	4.65	4.50	4.48	-1.7%	-11.1%	0.0%	-3.2%	-0.4%	0.08	17.13%	11.1%	1,103,130
4304	5.73	5.07	4.40	4.10	3.75	3.67	-11.5%	-13.2%	-6.8%	-8.5%	-2.1%	0.18	49.50%	11.1%	143,402
8006	1.58	1.60	1.53	1.38	1.27	1.17	1.3%	-4.4%	-9.8%	-8.0%	-7.9%	0.12	35.18%	11.1%	4,465,042
2835	2.22	2.26	2.15	2.16	1.96	1.81	1.8%	-4.9%	0.5%	-9.3%	-7.7%	0.08	26.15%	11.1%	14,083
8720	1.04	1.02	0.97	0.85	0.74	0.68	-1.9%	-4.9%	-12.4%	-12.9%	-8.1%	0.17	46.70%	11.0%	3,149,433
3634	1.54	1.50	1.40	1.30	1.19	1.22	-2.6%	-6.7%	-7.1%	-8.5%	2.5%	0.11	30.38%	11.0%	642,393
9084	1.12	1.16	1.08	1.00	0.93	0.89	3.6%	-6.9%	-7.4%	-7.0%	-4.3%	0.10	32.71%	11.0%	1,080,250
8868	0.38	0.39	0.36	0.33	0.31	0.30	2.6%	-7.7%	-8.3%	-6.1%	-3.2%	0.11	31.09%	11.0%	37,989,146
6834	3.09	2.62	2.18	1.86	1.71	1.61	-15.2%	-16.8%	-14.7%	-8.1%	-5.8%	0.27	76.51%	10.9%	1,317,130
3334	1.80	1.79	1.64	1.58	1.62	1.63	-0.6%	-8.4%	-3.7%	2.5%	0.6%	0.06	16.54%	10.9%	0
5506	4.68	4.62	4.29	3.80	3.78	3.61	-1.3%	-7.1%	-11.4%	-0.5%	-4.5%	0.11	27.01%	10.9%	2,544,503
5537	3.83	3.66	3.19	2.85	2.55	2.50	-4.4%	-12.8%	-10.7%	-10.5%	-2.0%	0.18	46.96%	10.9%	4,756,879
6252	2.95	2.79	2.91	2.92	2.95	3.11	-5.4%	4.3%	0.3%	1.0%	5.4%	0.04	17.52%	10.8%	11,354
4352	1.65	1.66	1.49	1.36	1.27	1.21	0.6%	-10.2%	-8.7%	-6.6%	-4.7%	0.13	34.64%	10.8%	38,259
3724	3.20	3.19	3.13	3.14	3.04	2.72	-0.3%	-1.9%	0.3%	-3.2%	-10.5%	0.06	16.93%	10.8%	3,832,466
7050	8.73	8.79	7.90	7.53	7.04	6.56	0.7%	-10.1%	-4.7%	-6.5%	-6.8%	0.12	32.06%	10.8%	0
8799	0.35	0.36	0.36	0.36	0.37	0.41	2.9%	0.0%	0.0%	2.8%	10.8%	0.06	17.14%	10.8%	235,790
1463	9.01	8.77	7.81	7.56	7.26	7.25	-2.7%	-10.9%	-3.2%	-4.0%	-0.1%	0.10	22.38%	10.8%	145,468
9220	3.45	3.53	3.33	3.39	3.23	2.96	2.3%	-5.7%	1.8%	-4.7%	-8.4%	0.06	24.89%	10.7%	189,153
8835	1.76	1.74	1.67	1.61	1.53	1.35	-1.1%	-4.0%	-3.6%	-5.0%	-11.8%	0.10	27.86%	10.6%	8,096,903
7600	3.04	3.14	3.07	2.87	2.66	2.69	3.3%	-2.2%	-6.5%	-7.3%	1.1%	0.07	22.06%	10.6%	3,437,354
3685	1.16	1.09	0.96	0.85	0.75	0.74	-6.0%	-11.9%	-11.5%	-11.8%	-1.3%	0.19	49.81%	10.6%	1,671,634
8387	2.55	2.48	2.16	2.11	1.88	1.79	-2.7%	-12.9%	-2.3%	-10.9%	-4.8%	0.14	37.93%	10.6%	3,072,130
3180	2.64	2.65	2.58	2.69	2.52	2.47	0.4%	-2.6%	4.3%	-6.3%	-2.0%	0.03	16.48%	10.6%	295,104
8391	1.94	2.01	1.87	1.76	1.64	1.58	3.6%	-7.0%	-5.9%	-6.8%	-3.7%	0.09	29.93%	10.6%	10,729,265
3030	4.32	4.48	4.28	4.08	3.80	3.72	3.7%	-4.5%	-4.7%	-6.9%	-2.1%	0.07	23.73%	10.6%	1,307,391
8204	3.36	3.36	3.01	2.83	2.67	2.39	0.0%	-10.4%	-6.0%	-5.7%	-10.5%	0.13	36.60%	10.5%	58,080
4307	1.68	1.79	1.74	1.73	1.70	1.83	6.5%	-2.8%	-0.6%	-1.7%	7.6%	0.03	20.63%	10.4%	95,854
3507	2.57	2.59	2.34	2.25	2.13	2.04	0.8%	-9.7%	-3.8%	-5.3%	-4.2%	0.10	25.98%	10.4%	1,290,621
4133	1.80	1.96	1.93	2.02	2.00	2.11	8.9%	-1.5%	4.7%	-1.0%	5.5%	0.05	23.28%	10.4%	2,028
9586	0.48	0.48	0.43	0.42	0.38	0.36	0.0%	-10.4%	-2.3%	-9.5%	-5.3%	0.12	30.26%	10.4%	1,750,662
2302	1.62	1.71	1.69	1.65	1.57	1.61	5.6%	-1.2%	-2.4%	-4.8%	2.5%	0.03	17.54%	10.4%	3
2735	3.48	3.69	3.54	3.39	3.29	3.39	6.0%	-4.1%	-4.2%	-2.9%	3.0%	0.04	22.01%	10.3%	45,706
7350	10.48	9.46	7.57	6.06	4.85	4.07	-9.7%	-20.0%	-19.9%	-20.0%	-16.1%	0.36	119.92%	10.2%	3,732
6236	5.22	5.14	4.57	4.04	3.59	3.31	-1.5%	-11.1%	-11.6%	-11.1%	-7.8%	0.18	50.80%	10.1%	0
3188	2.16	2.19	2.00	1.96	1.82	1.78	1.4%	-8.7%	-2.0%	-7.1%	-2.2%	0.09	23.06%	10.1%	323,788
4511	0.41	0.40	0.36	0.32	0.28	0.27	-2.4%	-10.0%	-11.1%	-12.5%	-3.6%	0.18	45.88%	10.1%	4,310,478
9044	0.88	0.90	0.83	0.81	0.80	0.79	2.3%	-7.8%	-2.4%	-1.2%	-1.3%	0.05	15.71%	10.1%	2,136,390
3227	2.89	2.83	2.75	2.49	2.31	2.03	-2.1%	-2.8%	-9.5%	-7.2%	-12.1%	0.13	38.12%	10.0%	276,326
4459	2.40	2.39	2.14	1.93	1.91	1.81	-0.4%	-10.5%	-9.8%	-1.0%	-5.2%	0.12	29.51%	10.0%	1,539,479
7539	1.69	1.62	1.53	1.35	1.16	1.11	-4.1%	-5.6%	-11.8%	-14.1%	-4.3%	0.17	46.19%	9.9%	727,272
5183	2.65	2.59	2.46	2.27	2.32	2.16	-2.3%	-5.0%	-7.7%	2.2%	-6.9%	0.08	26.39%	9.9%	5,779,537
2041	2.47	2.54	2.36	2.27	2.20	2.09	2.8%	-7.1%	-3.8%	-3.1%	-5.0%	0.07	23.74%	9.9%	70,486
0035	2.07	2.03	1.79	1.67	1.48	1.45	-1.9%	-11.8%	-6.7%	-11.4%	-2.0%	0.15	38.21%	9.9%	644,153
7219	6.43	6.38	5.70	5.33	4.87	4.60	-0.8%	-10.7%	-6.5%	-8.6%	-5.5%	0.14	36.16%	9.9%	16,275,457
4493	4.44	3.66	2.87	2.36	1.96	1.73	-17.6%	-21.6%	-17.8%	-16.9%	-11.7%	0.37	119.98%	9.9%	10,754
2960	5.19	4.97	4.27	3.96	3.59	3.35	-4.2%	-14.1%	-7.3%	-9.3%	-6.7%	0.17	48.80%	9.8%	25,548

NCCI Missouri Loss Cost Filing Effective January 1, 2025

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Swing

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
9089	0.99	0.94	0.82	0.74	0.68	0.66	-5.1%	-12.8%	-9.8%	-8.1%	-2.9%	0.17	44.69%	9.8%	433
8755	0.31	0.30	0.28	0.26	0.23	0.20	-3.2%	-6.7%	-7.1%	-11.5%	-13.0%	0.16	48.75%	9.8%	685,499
9110	2.62	2.52	2.37	2.33	2.42	2.33	-3.8%	-6.0%	-1.7%	3.9%	-3.7%	0.05	20.49%	9.8%	1,514,029
2701	10.48	10.42	9.34	9.26	8.63	8.14	-0.6%	-10.4%	-0.9%	-6.8%	-5.7%	0.10	26.35%	9.8%	4,622
6204	8.43	7.30	6.07	5.64	5.08	4.42	-13.4%	-16.8%	-7.1%	-9.9%	-13.0%	0.24	76.26%	9.8%	191,378
8039	1.11	1.19	1.20	1.22	1.19	1.19	7.2%	0.8%	1.7%	-2.5%	0.0%	0.03	12.61%	9.7%	1,065,727
7370	4.12	4.02	3.62	3.52	3.42	3.41	-2.4%	-10.0%	-2.8%	-2.8%	-0.3%	0.08	19.37%	9.7%	166,243
8869	0.89	0.89	0.83	0.75	0.68	0.67	0.0%	-6.7%	-9.6%	-9.3%	-1.5%	0.13	29.83%	9.6%	4,407,434
8045	0.54	0.52	0.47	0.47	0.47	0.47	-3.7%	-9.6%	0.0%	0.0%	0.0%	0.06	13.68%	9.6%	5,415,500
3040	4.84	4.76	4.23	3.84	3.61	3.49	-1.7%	-11.1%	-9.2%	-6.0%	-3.3%	0.14	35.12%	9.5%	427,861
5473	6.81	6.85	6.35	5.97	5.44	5.06	0.6%	-7.3%	-6.0%	-8.9%	-7.0%	0.12	33.24%	9.5%	127,255
4279	2.24	2.33	2.33	2.55	2.65	2.66	4.0%	0.0%	9.4%	3.9%	0.4%	0.07	18.75%	9.4%	402,381
9060	1.06	1.12	1.10	1.10	1.06	1.02	5.7%	-1.8%	0.0%	-3.6%	-3.8%	0.03	15.66%	9.4%	1,752,989
8719	1.76	1.73	1.60	1.51	1.35	1.20	-1.7%	-7.5%	-5.6%	-10.6%	-11.1%	0.14	41.93%	9.4%	1,509
2070	3.91	3.86	3.53	3.56	3.32	3.34	-1.3%	-8.5%	0.8%	-6.7%	0.6%	0.07	19.06%	9.4%	1,472,793
0113	4.54	4.39	3.89	3.81	3.53	3.23	-3.3%	-11.4%	-2.1%	-7.3%	-8.5%	0.13	36.78%	9.3%	17,973
0251	3.35	3.38	3.11	2.98	2.74	2.51	0.9%	-8.0%	-4.2%	-8.1%	-8.4%	0.11	32.95%	9.3%	9,399
2623	6.02	5.79	5.05	4.39	3.85	3.40	-3.8%	-12.8%	-13.1%	-12.3%	-11.7%	0.22	66.06%	9.2%	247,910
4149	0.82	0.77	0.71	0.69	0.70	0.70	-6.1%	-7.8%	-2.8%	1.4%	0.0%	0.07	19.29%	9.2%	166,804
5020	4.23	4.07	3.54	3.23	2.99	2.72	-3.8%	-13.0%	-8.8%	-7.4%	-9.0%	0.17	49.42%	9.2%	88,852
2220	1.92	2.03	2.03	2.01	1.94	1.91	5.7%	0.0%	-1.0%	-3.5%	-1.5%	0.03	12.20%	9.2%	13,453
4206	2.34	2.49	2.49	2.47	2.53	2.46	6.4%	0.0%	-0.8%	2.4%	-2.8%	0.03	12.91%	9.2%	11,873
6835	2.59	2.62	2.41	2.32	2.17	2.07	1.2%	-8.0%	-3.7%	-6.5%	-4.6%	0.09	26.24%	9.2%	0
4720	1.93	2.05	1.99	1.99	1.94	1.90	6.2%	-2.9%	0.0%	-2.5%	-2.1%	0.03	14.38%	9.1%	1,088,811
7380	4.26	4.45	4.64	4.73	4.51	4.31	4.5%	4.3%	1.9%	-4.7%	-4.4%	0.04	21.35%	9.1%	6,414,096
0059	0.12	0.12	0.11	0.10	N/A	N/A	0.0%	-8.3%	-9.1%			0.09		9.1%	0
8814	0.13	0.13	0.13	0.12	0.11	0.10	0.0%	0.0%	-7.7%	-8.3%	-9.1%	0.11	27.27%	9.1%	0
1472	2.68	2.74	2.80	2.79	2.60	2.57	2.2%	2.2%	-0.4%	-6.8%	-1.2%	0.04	13.28%	9.0%	286,993
3076	3.00	2.99	2.71	2.68	2.43	2.31	-0.3%	-9.4%	-1.1%	-9.3%	-4.9%	0.11	27.28%	9.0%	5,067,426
1701	3.08	2.94	2.72	2.42	2.37	2.19	-4.5%	-7.5%	-11.0%	-2.1%	-7.6%	0.13	37.01%	9.0%	920,327
9061	1.30	1.25	1.09	1.01	0.96	0.88	-3.8%	-12.8%	-7.3%	-5.0%	-8.3%	0.15	42.96%	9.0%	374,157
9082	1.11	1.12	1.03	0.98	0.92	0.87	0.9%	-8.0%	-4.9%	-6.1%	-5.4%	0.10	27.89%	8.9%	18,683,271
5215	4.87	4.86	4.47	4.27	3.88	3.71	-0.2%	-8.0%	-4.5%	-9.1%	-4.4%	0.11	28.83%	8.9%	707,246
5645	9.19	8.95	8.40	7.50	6.76	5.98	-2.6%	-6.1%	-10.7%	-9.9%	-11.5%	0.16	47.77%	8.9%	2,850,404
3830	0.70	0.70	0.67	0.67	0.65	0.68	0.0%	-4.3%	0.0%	-3.0%	4.6%	0.03	12.36%	8.9%	8,195,294
3632	2.80	2.81	2.57	2.37	2.31	2.17	0.4%	-8.5%	-7.8%	-2.5%	-6.1%	0.11	27.67%	8.9%	4,476,195
9534	4.02	3.99	3.74	3.38	3.06	2.98	-0.7%	-6.3%	-9.6%	-9.5%	-2.6%	0.13	31.83%	8.9%	244,294
9033	1.73	1.71	1.59	1.58	1.43	1.36	-1.2%	-7.0%	-0.6%	-9.5%	-4.9%	0.09	25.12%	8.9%	337,040
7046	9.40	9.49	8.75	8.24	7.64	7.33	1.0%	-7.8%	-5.8%	-7.3%	-4.1%	0.11	28.57%	8.8%	0
7098	10.44	10.54	9.72	9.15	8.49	8.14	1.0%	-7.8%	-5.9%	-7.2%	-4.1%	0.11	28.59%	8.7%	10
3612	1.97	1.96	1.84	1.67	1.61	1.58	-0.5%	-6.1%	-9.2%	-3.6%	-1.9%	0.10	22.95%	8.7%	1,296,040
8209	3.57	3.56	3.24	2.95	2.72	2.71	-0.3%	-9.0%	-9.0%	-7.8%	-0.4%	0.13	28.83%	8.7%	1,758
6214	1.58	1.52	1.36	1.19	1.11	1.05	-3.8%	-10.5%	-12.5%	-6.7%	-5.4%	0.17	45.19%	8.7%	0
4653	1.29	1.41	1.45	1.54	1.61	1.62	9.3%	2.8%	6.2%	4.5%	0.6%	0.09	25.58%	8.7%	4,459
8304	4.03	4.26	4.16	4.09	3.97	3.90	5.7%	-2.3%	-1.7%	-2.9%	-1.8%	0.03	15.23%	8.6%	339,822
2065	1.75	1.70	1.60	1.54	1.44	1.47	-2.9%	-5.9%	-3.8%	-6.5%	2.1%	0.08	22.84%	8.6%	5,141
0016	5.19	4.80	4.03	3.54	3.02	2.77	-7.5%	-16.0%	-12.2%	-14.7%	-8.3%	0.25	73.77%	8.5%	25,960
3808	3.50	3.59	3.39	3.19	3.10	3.17	2.6%	-5.6%	-5.9%	-2.8%	2.3%	0.06	20.57%	8.5%	389,822
1320	1.40	1.42	1.32	1.28	1.19	1.11	1.4%	-7.0%	-3.0%	-7.0%	-6.7%	0.09	27.78%	8.5%	30,561
2585	3.08	2.94	2.77	2.73	2.62	2.69	-4.5%	-5.8%	-1.4%	-4.0%	2.7%	0.06	19.83%	8.5%	1,266,594
3113	1.76	1.64	1.59	1.55	1.38	1.30	-6.8%	-3.0%	-2.5%	-11.0%	-5.8%	0.11	32.48%	8.5%	1,321,751
8010	1.53	1.60	1.60	1.54	1.49	1.56	4.6%	0.0%	-3.8%	-3.2%	4.7%	0.03	17.28%	8.4%	3,765,204
5474	4.73	4.75	4.51	4.27	3.99	3.67	0.4%	-5.1%	-5.3%	-6.6%	-8.0%	0.10	27.89%	8.4%	2,433,566
8263	4.33	4.58	4.53	4.41	4.41	4.43	5.8%	-1.1%	-2.6%	0.0%	0.5%	0.02	10.26%	8.4%	79,412
2714	4.62	4.50	4.11	3.76	3.60	3.59	-2.6%	-8.7%	-8.5%	-4.3%	-0.3%	0.11	26.48%	8.4%	1,368
9052	1.71	1.66	1.51	1.42	1.26	1.19	-2.9%	-9.0%	-6.0%	-11.3%	-5.6%	0.14	39.66%	8.3%	5,224,026
8107	2.35	2.32	2.14	2.15	2.14	2.05	-1.3%	-7.8%	0.5%	-0.5%	-4.2%	0.05	14.79%	8.2%	2,664,183
4568	3.71	3.30	2.84	2.66	2.45	2.31	-11.1%	-13.9%	-6.3%	-7.9%	-5.7%	0.19	53.47%	8.2%	10,610
5188	2.64	2.58	2.32	2.15	2.11	2.04	-2.3%	-10.1%	-7.3%	-1.9%	-3.3%	0.11	27.16%	8.2%	750,786
4038	3.83	3.71	3.29	3.09	2.89	2.70	-3.1%	-11.3%	-6.1%	-6.5%	-6.6%	0.14	38.20%	8.2%	14,082
3822	3.50	3.45	3.24	3.09	2.96	3.02	-1.4%	-6.1%	-4.6%	-4.2%	2.0%	0.07	19.70%	8.1%	14,916
4110	1.21	1.16	1.02	0.90	0.79	0.73	-4.1%	-12.1%	-11.8%	-12.2%	-7.6%	0.20	57.49%	8.1%	30,376
9012	0.77	0.71	0.65	0.56	0.52	0.49	-7.8%	-8.5%	-13.8%	-7.1%	-5.8%	0.18	50.82%	8.1%	7,677,942
6325	2.83	2.80	2.65	2.41	2.23	2.13	-1.1%	-5.4%	-9.1%	-7.5%	-4.5%	0.12	30.39%	8.0%	1,086,249
3118	2.05	1.99	1.78	1.63	1.56	1.52	-2.9%	-10.6%	-8.4%	-4.3%	-2.6%	0.13	31.98%	8.0%	9,399
7515	0.99	0.95	0.86	0.79	0.75	0.66	-4.0%	-9.5%	-8.1%	-5.1%	-12.0%	0.15	44.93%	8.0%	363,449
8264	4.52	4.43	3.99	3.72	3.45	3.28	-2.0%	-9.9%	-6.8%	-7.3%	-4.9%	0.13	34.72%	7.9%	282,061
2305	2.26	2.18	2.04	1.88	1.72	1.71	-3.5%	-6.4%	-7.8%	-8.5%	-0.6%	0.12	29.69%	7.9%	203,833
6884	5.16	5.03	4.51	4.24	3.84	3.54	-2.5%	-10.3%	-6.0%	-9.4%	-7.8%	0.15	41.45%	7.8%	0

NCCI Missouri Loss Cost Filing Effective January 1, 2025

Analysis of the Absolute Loss Cost Change from Loss Costs that are Effective from January 1, 2020 to January 1, 2025 Sorted by Swing

Class Code	Loss Cost						Percent Change					Loss Cost Coef. Var	Absolute Change	Swing Max - Min Change	Payroll (100's)
	2020	2021	2022	2023	2024	2025	2021	2022	2023	2024	2025				2023
0008	2.53	2.39	2.13	1.92	1.86	1.71	-5.5%	-10.9%	-9.9%	-3.1%	-8.1%	0.15	43.26%	7.8%	116,705
1642	2.43	2.60	2.61	2.69	2.67	2.83	7.0%	0.4%	3.1%	-0.7%	6.0%	0.05	18.21%	7.7%	340,206
0917	3.39	3.31	3.24	3.09	2.83	2.81	-2.4%	-2.1%	-4.6%	-8.4%	-0.7%	0.08	19.40%	7.7%	279,862
7422	1.73	1.52	1.23	1.09	0.91	0.78	-12.1%	-19.1%	-11.4%	-16.5%	-14.3%	0.30	98.05%	7.7%	200,116
8745	3.49	3.19	2.90	2.79	2.75	2.66	-8.6%	-9.1%	-3.8%	-1.4%	-3.3%	0.11	28.81%	7.7%	15,089
6237	1.19	1.16	1.06	1.01	1.00	0.97	-2.5%	-8.6%	-4.7%	-1.0%	-3.0%	0.08	21.30%	7.6%	899
6504	2.29	2.25	2.04	1.86	1.76	1.68	-1.7%	-9.3%	-8.8%	-5.4%	-4.5%	0.13	33.37%	7.6%	6,310,333
7382	4.07	4.14	4.08	4.23	4.11	3.95	1.7%	-1.4%	3.7%	-2.8%	-3.9%	0.02	14.31%	7.6%	1,653,538
6005	4.55	4.32	3.91	3.61	3.25	2.84	-5.1%	-9.5%	-7.7%	-10.0%	-12.6%	0.17	53.38%	7.6%	14,492
0050	4.48	4.55	4.33	4.42	4.18	4.25	1.6%	-4.8%	2.1%	-5.4%	1.7%	0.03	16.51%	7.5%	231,892
5191	0.66	0.69	0.70	0.69	0.67	0.66	4.5%	1.4%	-1.4%	-2.9%	-1.5%	0.03	12.35%	7.4%	4,039,791
1430	5.40	5.22	4.95	4.49	4.09	4.01	-3.3%	-5.2%	-9.3%	-8.9%	-2.0%	0.12	31.89%	7.3%	4,501
7605	1.66	1.66	1.54	1.53	1.52	1.41	0.0%	-7.2%	-0.6%	-0.7%	-7.2%	0.06	16.49%	7.2%	1,242,068
4771	2.52	2.52	2.46	2.36	2.19	2.08	0.0%	-2.4%	-4.1%	-7.2%	-5.0%	0.08	19.95%	7.2%	352,873
9014	2.43	2.27	2.11	1.89	1.63	1.42	-6.6%	-7.0%	-10.4%	-13.8%	-12.9%	0.20	61.79%	7.2%	6,105,174
0771	0.44	0.44	0.43	0.42	0.39	0.37	0.0%	-2.3%	-2.3%	-7.1%	-5.1%	0.07	17.88%	7.1%	0
8227	2.85	2.90	2.81	2.80	2.74	2.85	1.8%	-3.1%	-0.4%	-2.1%	4.0%	0.02	11.86%	7.1%	1,433,453
0083	4.34	4.25	3.86	3.72	3.40	3.11	-2.1%	-9.2%	-3.6%	-8.6%	-8.5%	0.13	36.11%	7.1%	1,081,669
9516	2.63	2.35	2.07	1.78	1.57	1.46	-10.6%	-11.9%	-14.0%	-11.8%	-7.0%	0.23	68.89%	7.0%	544,195
4703	1.91	1.87	1.76	1.60	1.56	1.52	-2.1%	-5.9%	-9.1%	-2.5%	-2.6%	0.10	23.97%	7.0%	351,676
8279	5.01	5.10	4.92	4.84	4.93	4.68	1.8%	-3.5%	-1.6%	1.9%	-5.1%	0.03	14.63%	6.9%	62,126
2111	2.06	1.98	1.81	1.78	1.74	1.71	-3.9%	-8.6%	-1.7%	-2.2%	-1.7%	0.08	19.27%	6.9%	295,486
7590	2.59	2.62	2.47	2.45	2.34	2.35	1.2%	-5.7%	-0.8%	-4.5%	0.4%	0.05	13.14%	6.9%	113,273
4021	6.19	5.40	4.62	4.00	3.56	3.29	-12.8%	-14.4%	-13.4%	-11.0%	-7.6%	0.25	74.79%	6.9%	319
0106	7.12	6.74	5.92	5.48	4.93	4.41	-5.3%	-12.2%	-7.4%	-10.0%	-10.5%	0.18	54.41%	6.8%	1,012,590
6882	3.32	3.16	2.81	2.60	2.30	2.07	-4.8%	-11.1%	-7.5%	-11.5%	-10.0%	0.18	53.53%	6.7%	2,925
2802	4.92	4.88	4.57	4.30	4.18	3.87	-0.8%	-6.4%	-5.9%	-2.8%	-7.4%	0.09	25.38%	6.6%	476,393
9093	1.23	1.16	1.02	0.91	0.86	0.81	-5.7%	-12.1%	-10.8%	-5.5%	-5.8%	0.17	46.48%	6.6%	255,390
4250	1.68	1.72	1.69	1.77	1.74	1.75	2.4%	-1.7%	4.7%	-1.7%	0.6%	0.02	11.58%	6.5%	119,855
7540	2.55	2.51	2.31	2.27	2.11	1.99	-1.6%	-8.0%	-1.7%	-7.0%	-5.7%	0.10	26.22%	6.4%	2,541
4299	2.07	1.96	1.90	1.80	1.63	1.48	-5.3%	-3.1%	-5.3%	-9.4%	-9.2%	0.12	36.55%	6.4%	2,565,540
3373	4.45	4.37	4.35	4.42	4.21	4.24	-1.8%	-0.5%	1.6%	-4.8%	0.7%	0.02	9.62%	6.4%	112,435
4000	4.50	3.99	3.50	3.29	2.93	2.74	-11.3%	-12.3%	-6.0%	-10.9%	-6.5%	0.19	56.54%	6.3%	162,802
0908	116.00	117.00	111.00	105.00	101.00	96.00	0.9%	-5.1%	-5.4%	-3.8%	-5.0%	0.08	21.77%	6.3%	248
4036	2.40	2.25	2.22	2.07	2.01	2.00	-6.3%	-1.3%	-6.8%	-2.9%	-0.5%	0.07	18.86%	6.3%	48,740
8116	1.97	1.99	2.00	1.91	1.81	1.76	1.0%	0.5%	-4.5%	-5.2%	-2.8%	0.05	14.73%	6.3%	1,186,064
9180	3.85	3.87	3.69	3.68	3.47	3.42	0.5%	-4.7%	-0.3%	-5.7%	-1.4%	0.05	13.11%	6.2%	259,399
2112	3.57	3.57	3.35	3.27	3.21	3.08	0.0%	-6.2%	-2.4%	-1.8%	-4.0%	0.06	15.18%	6.2%	1,408
8232	5.00	5.00	4.72	4.51	4.46	4.19	0.0%	-5.6%	-4.4%	-1.1%	-6.1%	0.07	18.27%	6.1%	4,030,880
3881	3.69	3.57	3.24	3.00	2.83	2.62	-3.3%	-9.2%	-7.4%	-5.7%	-7.4%	0.13	37.52%	6.0%	284,092
8061	1.61	1.55	1.45	1.31	1.24	1.19	-3.7%	-6.5%	-9.7%	-5.3%	-4.0%	0.12	32.69%	5.9%	2,079,145
5213	5.39	4.86	4.65	4.20	3.82	3.43	-9.8%	-4.3%	-9.7%	-9.0%	-10.2%	0.16	51.03%	5.9%	1,716,469
4470	2.17	2.15	2.04	2.01	1.93	1.80	-0.9%	-5.1%	-1.5%	-4.0%	-6.7%	0.07	19.47%	5.8%	161,189
4034	6.33	6.28	5.87	5.68	5.49	5.38	-0.8%	-6.5%	-3.2%	-3.3%	-2.0%	0.07	16.85%	5.7%	489,419
5478	5.05	4.41	3.80	3.38	3.10	2.81	-12.7%	-13.8%	-11.1%	-8.3%	-9.4%	0.22	68.66%	5.5%	755,660
5040	11.04	9.71	8.20	7.31	6.12	5.31	-12.0%	-15.6%	-10.9%	-16.3%	-13.2%	0.27	88.98%	5.4%	143,207
4452	2.59	2.47	2.27	2.08	1.95	1.89	-4.6%	-8.1%	-8.4%	-6.3%	-3.1%	0.13	34.24%	5.3%	912,856
6306	4.92	4.53	4.20	3.92	3.59	3.17	-7.9%	-7.3%	-6.7%	-8.4%	-11.7%	0.16	49.57%	5.0%	564,662
7090	5.67	5.33	4.82	4.60	4.34	4.08	-6.0%	-9.6%	-4.6%	-5.7%	-6.0%	0.13	35.99%	5.0%	944
7038	5.10	4.80	4.34	4.14	3.91	3.67	-5.9%	-9.6%	-4.6%	-5.6%	-6.1%	0.12	35.98%	5.0%	0
8046	2.06	2.09	2.04	1.97	1.91	1.91	1.5%	-2.4%	-3.4%	-3.0%	0.0%	0.04	10.72%	4.9%	2,977,425
0037	3.02	2.99	2.85	2.81	2.76	2.60	-1.0%	-4.7%	-1.4%	-1.8%	-5.8%	0.05	15.44%	4.8%	904,150
5348	3.73	3.50	3.12	2.93	2.71	2.49	-6.2%	-10.9%	-6.1%	-7.5%	-8.1%	0.15	45.13%	4.8%	747,567
7520	2.78	2.55	2.42	2.24	2.04	1.84	-8.3%	-5.1%	-7.4%	-8.9%	-9.8%	0.15	46.23%	4.7%	1,259,871
3629	1.51	1.48	1.39	1.33	1.27	1.25	-2.0%	-6.1%	-4.3%	-4.5%	-1.6%	0.08	19.81%	4.5%	1,114,185
7710	4.08	4.12	4.03	3.91	3.96	3.94	1.0%	-2.2%	-3.0%	1.3%	-0.5%	0.02	8.16%	4.3%	2,001,418
7711	4.08	4.12	4.03	3.91	3.96	3.94	1.0%	-2.2%	-3.0%	1.3%	-0.5%	0.02	8.16%	4.3%	153,749
3365	3.31	3.28	3.19	3.04	2.96	2.81	-0.9%	-2.7%	-4.7%	-2.6%	-5.1%	0.06	17.05%	4.2%	249,490
4361	0.71	0.67	0.61	0.58	0.54	0.50	-5.6%	-9.0%	-4.9%	-6.9%	-7.4%	0.13	38.64%	4.0%	675,337
2881	2.93	2.78	2.60	2.44	2.38	2.24	-5.1%	-6.5%	-6.2%	-2.5%	-5.9%	0.10	28.90%	4.0%	191,114
2688	2.42	2.30	2.15	2.01	1.94	1.89	-5.0%	-6.5%	-6.5%	-3.5%	-2.6%	0.10	26.41%	3.9%	123,606
5102	5.20	4.96	4.68	4.41	4.07	3.91	-4.6%	-5.6%	-5.8%	-7.7%	-3.9%	0.11	30.86%	3.8%	617,424
2503	1.31	1.21	1.12	1.02	0.94	0.89	-7.6%	-7.4%	-8.9%	-7.8%	-5.3%	0.15	43.07%	3.6%	14,259
7390	4.84	4.54	4.21	4.04	3.86	3.68	-6.2%	-7.3%	-4.0%	-4.5%	-4.7%	0.10	29.57%	3.2%	520,802
5705	22.38	19.95	17.45	15.23	13.32	11.52	-10.9%	-12.5%	-12.7%	-12.5%	-13.5%	0.25	79.64%	2.7%	1,454
0065	0.04	0.04	0.04	0.04	N/A	N/A	0.0%	0.0%	0.0%			0.00		0.0%	0
0066	0.04	0.04	0.04	0.04	N/A	N/A	0.0%	0.0%	0.0%			0.00		0.0%	0
0067	0.04	0.04	0.04	0.04	N/A	N/A	0.0%	0.0%	0.0%			0.00		0.0%	0

Reviewer Note

Created By:

Patrick Lennon on 09/30/2024 09:46 AM

Last Edited By:

Patrick Lennon

Submitted On:

11/26/2024 11:10 AM

Subject:

Sent responses to actuary

Comments:

Emailed responses to Bobby Jaegers.

Reviewer Note

Created By:

Patrick Lennon on 08/21/2024 02:37 PM

Last Edited By:

Patrick Lennon

Submitted On:

11/26/2024 11:10 AM

Subject:

Sent to actuary

Comments:

Sent the filing to Bobby Jaegers at Taylor & Mulder.

State:	Missouri		**Filing Company:**	NCCI Inc
TOI/Sub-TOI:	16.0 Workers Compensation/16.0004 Standard WC			
Product Name:	Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025			
Project Name/Number:	/			

Rate Information

Rate data applies to filing.

Filing Method:	SERFF
Rate Change Type:	Decrease
Overall Percentage of Last Rate Revision:	-7.500%
Effective Date of Last Rate Revision:	01/01/2024
Filing Method of Last Filing:	SERFF
SERFF Tracking Number of Last Filing:	NCCI-133792650

Company Rate Information

Company Name:	Overall % Indicated Change:	Overall % Rate Impact:	Written Premium Change for this Program:	Number of Policy Holders Affected for this Program:	Written Premium for this Program:	Maximum % Change (where req'd):	Minimum % Change (where req'd):
NCCI Inc	%	%				%	%

Rate/Rule Schedule

Item No.	Schedule Item Status	Exhibit Name	Rule # or Page #	Rate Action	Previous State Filing Number	Attachments
1	REVIEWED 11/26/2024	Filing	N/A	Replacement	MO-2023-02	Missouri 1-1-2025 Filing.pdf

Missouri

Advisory Loss Costs and Rating
Values Filing

Proposed Effective January 1, 2025

David E. Benedict, CPCU, AU, WCP
Senior State Relations Executive
Regulatory Division

(P) 804-380-3005
Email: david_benedict@ncci.com

August 19, 2024

The Honorable Chlora Lindley-Myers
Director
Missouri Department of Commerce and Insurance
Harry S Truman State Office Building
301 W. High St., Room 530
Jefferson City, Missouri 65101

Re: Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025

Dear Director Lindley-Myers:

In accordance with the applicable statutes and regulations of the state of Missouri, we are filing advisory voluntary loss costs and rating values to be effective January 1, 2025, for new and renewal policies. Enclosed are NCCI's Voluntary Loss Costs Including Trend proposed to be effective January 1, 2025. The proposed loss costs represent an overall average change of −5.3% from the current, similar set of loss costs that have been in effect since January 1, 2024. Reported COVID-19-related claims have been excluded from the data on which this filing is based for claims prior to July 1, 2023 to better reflect the conditions likely to prevail during the proposed effective period. As a result of approved Item E-1410, claims attributable to COVID-19 with accident dates on or after July 1, 2023 are no longer treated as catastrophic claims.

This filing is made exclusively on behalf of the companies that have given valid consideration for the express purpose of fulfilling regulatory rate or pure premium filing requirements and other private use of this information. I hereby certify that I am familiar with Missouri's insurance laws, rules, and regulations, and to the best of my knowledge, information, and belief, this filing complies in all respects to such laws, rules, and regulations.

In the enclosed appendix is a list of companies that, as of the time this filing is submitted, are eligible to reference this information. The inclusion of a company on this list merely indicates that the company, or the group to which it belongs, is affiliated with NCCI in this state, or has licensed this information as a non-affiliate, and is not intended to indicate whether the company is currently writing business or is even licensed to write business in this state.

Please contact me if you have any questions or need further information.

Sincerely,

David E. Benedict, CPCU, AU, WCP
Senior State Relations Executive

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Actuarial Certification

I, Brian Stein, am an Assistant Actuary for the National Council on Compensation Insurance, Inc. I am a Fellow of the Casualty Actuarial Society and a member of the American Academy of Actuaries, and I meet the Qualification Standards of the American Academy of Actuaries to provide the actuarial report contained herein.

The information contained in this report has been prepared under my direction in accordance with applicable Actuarial Standards of Practice as promulgated by the Actuarial Standards Board. The Actuarial Standards Board is vested by the U.S.-based actuarial organizations with the responsibility for promulgating Actuarial Standards of Practice for actuaries providing professional services in the United States. Each of these organizations requires its members, through its Code of Professional Conduct, to observe the Actuarial Standards of Practice when practicing in the United States.

Brian Stein

Brian Stein, FCAS, MAAA
Assistant Actuary
Actuarial and Economic Services

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Disclosures

Purpose of the Report

The purpose of this report is to provide the proposed voluntary loss costs for workers compensation policies in Missouri, proposed to be effective January 1, 2025. The intended users of this report are:

- The Missouri Department of Commerce and Insurance
- Affiliated carriers, for their reference in determining workers compensation rates

Scope

The prospective loss costs are intended to cover the indemnity and medical benefits provided under the system, as well as some of the expenses associated with providing these benefits (loss adjustment expenses). They do not, however, contemplate any other costs associated with providing workers compensation insurance (such as commissions, taxes, etc.).

Each insurance company offering workers compensation insurance in Missouri that uses NCCI loss costs may file a loss cost multiplier to be applied to the advisory prospective loss costs in order to compute the final workers compensation rates they intend to charge. This multiplier is intended to cover the other costs associated with providing workers compensation insurance that are not already part of the advisory prospective loss costs.

NCCI utilizes widely accepted general ratemaking methodologies in the calculation of voluntary loss costs, including (i) experience base determination, (ii) chain ladder development method, (iii) trending procedure, (iv) expense calculation, and (v) application of indemnity and medical benefit changes. These ratemaking methodologies are unchanged from the prior filing and continue to remain appropriate for use in this filing.

Data Sources

Key Dates

Financial Data Valuation Date	December 31, 2023
Financial Call Data Cutoff Date	June 3, 2024
Unit Statistical Plan Data Cutoff Date	June 18, 2024
Filing Preparation Date	July 11, 2024

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Disclosures

The overall average loss cost level change is based on a review of Financial Call Data, which is an aggregation of workers compensation data annually reported to NCCI. In this filing, Financial Call Data submissions received after the Financial Call Data Cutoff Date were not considered for inclusion in the analysis.

Loss cost level changes at the classification code level are based on five years of Unit Statistical Plan Data, which is the audited exposure, premium and loss information reported to NCCI on a policy level. In this filing, Unit Statistical Plan Data submissions received after the Unit Statistical Plan Data Cutoff Date were not considered for inclusion in the analysis.

In some areas, NCCI's analysis also relies on other data sources, which are reviewed for reasonableness and are referenced in the filing where applicable. Events that have occurred after the Filing Preparation Date that may have a material impact on workers compensation costs in this jurisdiction have not been considered in the analysis.

Data Exclusions

NCCI maintains several data reporting initiatives and programs to assist carriers to report data and to ensure that the data that is reported to NCCI is complete, accurate, and reported in a timely fashion. Occasionally, a carrier's data submission is not available for use in an NCCI filing either because the data was not reported prior to the filing, had quality issues, or NCCI determined that the data that was reported should not be included in the filing based on NCCI's actuarial judgment.

In this year's filing, data for all carriers writing at least one-tenth of one percent of the Missouri workers compensation written premium volume have been included in the experience period on which this filing is based.

NCCI categorizes catastrophic events as those that incur aggregate workers compensation losses in excess of $50 million per occurrence. Pandemics have the potential to be catastrophic in terms of the costs they impose on the workers compensation system. NCCI's ratemaking methodology excludes losses related to catastrophes from the calculation of loss costs. This is because the actual experience from such events is not considered predictive of future experience. In line with this methodology, NCCI is proposing to treat COVID-19 claims with accident dates between December 1, 2019, and June 30, 2023, as a catastrophe in this filing. These reported claims have been excluded from Financial Call Data and Unit Statistical Plan Data for use in ratemaking to better reflect the conditions expected to prevail in the filing's proposed effective period. Due to approved Item E-1410, claims attributable to COVID-19 with accident dates on or after July 1, 2023, are no longer treated as catastrophic claims and are

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Disclosures

included in the calculation of loss costs in this year's filing. The temporary classification of COVID-19 claims as catastrophic was intended to address the initial surge in cases but is no longer necessary. As COVID-19 losses are expected to persist, they no longer represent a unique risk in workers compensation. Starting from July 1, 2023, NCCI anticipates that COVID-19 claims will align with typical claim patterns and no longer need special treatment, and thus should be treated like any other workers compensation claims for ratemaking purposes.

Below is a summary of COVID-19-related lost-time claim counts and indemnity and medical combined paid plus case losses, as reported in NCCI's Financial Call 31 as of year-end 2023.

Year	COVID-19 Lost-Time Claim Counts	COVID-19 Paid+Case Losses
PY 2019	134	$1,802,340
PY 2020	740	$8,925,025
PY 2021	212	$5,326,505
PY 2022	23	$76,591
AY 2020	796	$9,284,276
AY 2021	237	$6,550,205
AY 2022	75	$295,043
AY 2023	3	$4,646

Excludes large deductible and expense-only claims.

Reported COVID-19-related losses would have represented less than a 0.6% share of the reported paid plus case losses in Missouri's experience period.

Other exclusions are made for the purposes of analysis, but do not have a material impact on the proposed changes in this filing.

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Disclosures

Risks and Uncertainty

This filing includes assumptions and projections concerning the future. As with any prospective analysis, there exists estimation uncertainty in these assumptions and projections. Areas of this analysis subject to estimation uncertainty that could have a material impact on the final results include the following:

- Projection of future loss development
- Selection of loss ratio trends
- Unanticipated changes to wage or medical inflation
- Potential impact of changes to laws and/or regulations

In addition, any future changes to workers compensation law or regulations that apply retroactively to policies or benefit claims on policies in the proposed effective period may have a significant impact on the adequacy of the loss costs proposed in this filing.

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Table of Contents

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Part 1   Filing Overview

- Executive Summary

- Overview of Methodology

- Summary of Selections

- Additional Proposed Changes

Missouri

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Executive Summary

Based on its review of the most recently available data, NCCI has proposed the following overall average workers compensation voluntary loss cost change in Missouri to become effective January 1, 2025.

Summary of Overall Indications

Proposed Change in Overall Voluntary Loss Cost Level **– 5.3%**

Breakdown of the Change in Key Components

Below are changes in the key components underlying the overall voluntary loss cost level indication. The impact of these components are combined multiplicatively to produce the overall change. The overall change varies by classification code, each of which belongs to one of five Industry Groups.

Voluntary Loss Cost

Experience	Development	Trend	Benefits	All Other	Overall Voluntary Loss Cost Change
-3.1%	0.4%	-2.6%	0.0%	-0.1%	-5.3%
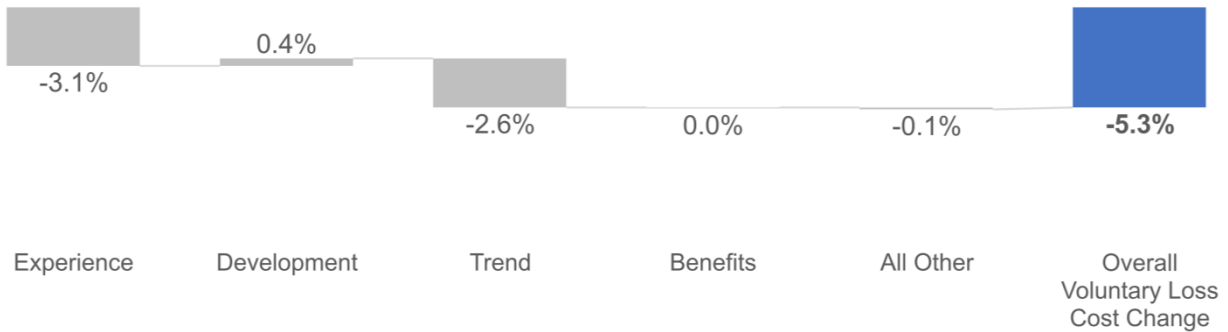
The key components shown above are described in detail on the following page.

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Executive Summary

Key Component Overview

Experience and Development

- This filing is based on premium and loss experience for Policy Years 2021 and 2022 evaluated as of December 31, 2023. The financial data experience period evaluated as of December 31, 2023, shows continued improvement when compared to the data evaluated as of December 31, 2022. Refer to Exhibit I for the considerations underlying the Experience Period and Loss Base selections.

    o A combination of both paid and paid plus case data was selected to best reflect the conditions likely to prevail in the proposed effective period.

    o The most recent experience observed in Policy Years 2021 and 2022 shows improvement from prior policy years. The use of the two most recently available full policy years appropriately balances stability and responsiveness. This methodology is consistent with prior filings in Missouri.

    o Reported COVID-19-related claims with accident dates between December 1, 2019, and June 30, 2023, have been excluded from the data on which this filing is based.

- The reported paid loss amounts are projected to an ultimate basis using a 3-year average of the development factors, which is a change from the prior filing's use of a 2-year average for paid development factors. NCCI selected a 3-year average to mitigate volatility observed in recent paid loss development factors. As with previous Missouri filings, a 5-year average of development factors was selected to project paid plus case losses to an ultimate basis. The most recent valuation of development factors for paid plus case losses shows no evidence that a deviation from the current selected development average is warranted. Refer to Appendix A-II for considerations underlying the Development selection.

Trend

- Generally, the selected annual loss ratio trends in this year's filing are more heavily based on the observed medium-term exponential fits, which strike a balance between responsiveness and stability. Refer to Appendix A-III for considerations underlying the Trend selection.

    o After adjusting to a common wage level, Missouri's lost-time claim frequency continues to show a long-term pattern of decline.

    o The moderate increase in both indemnity and medical average severity observed in Policy Year 2022 was more than offset by a larger reduction in lost-time claim frequency, leading to a decline in indemnity and medical loss ratios. This decline

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Executive Summary

continues a long-term pattern that is driven by frequency and therefore expected to continue.

o The selected annual indemnity loss ratio trend is −3.5% and the selected annual medical loss ratio trend is −3.0%. These selections represent a full-point decrease from the previous filing's indemnity loss ratio trend and a half-point decrease from the previous filing's medical loss ratio trend.

Other Items of Note:

- The primary drivers of the proposed change are improved experience and modifications to the selected indemnity and medical loss ratio trends.
- An additional proposed methodology change in this filing is the introduction of the Factor to Reflect the Inclusion of Assigned Risk Experience. Please refer to the Additional Proposed Changes section for additional information.

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Overview of Methodology

The following methodologies and assumptions used in this filing may not be applicable to or relevant for another purpose, including but not limited to NCCI filings in other jurisdictions.

Aggregate Ratemaking

NCCI's approach to determining the proposed overall average loss cost level change utilizes widely accepted ratemaking methodologies. The approach employed in this filing includes the following steps:

- The reported historical premium totals are projected to an ultimate basis and adjusted to the current pure premium level
- The excess loss portions of individual large claims are removed from reported aggregate losses, based on a Missouri-specific large loss threshold
- The reported historical limited indemnity and medical loss totals are projected to an ultimate basis and adjusted to the current benefit level
- Ratios of losses to pure premium are projected to the cost levels expected in the loss cost effective period
- Ultimate, trended, limited losses are adjusted to an unlimited basis via a non-catastrophe excess ratio (with excess ratios at limits beyond $50 million set equal to zero)
- Proposed benefit level and/or expense changes are applied to the projected cost ratios
- A Factor to Reflect Inclusion of Assigned Risk Experience is applied
- The impact of the change in loss adjustment expenses is applied

The indicated average loss cost level change is calculated for the years in the filing's experience period. If the final projected cost ratios are greater (less) than 1.000, then an increase (decrease) in the average loss cost level is indicated.

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Overview of Methodology

Factor to Reflect Inclusion of Assigned Risk Experience

A factor of 0.993 (−0.7%) is applied to the indicated advisory loss cost level change to account for the fact that assigned risk data is used in determining the overall voluntary market indication. The factor recognizes that an assigned risk market is always likely to exist, and its experience will be less favorable on average than that of the voluntary market. The proposed Factor to Reflect Inclusion of Assigned Risk Experience in determining the voluntary market loss cost indication is based upon the following assumptions:

- An assigned risk premium market share selection of 1%
- That the loss ratio experience of the assigned risk market is approximately 75% worse than that of the voluntary market, on average over time.

The resulting calculation is: $1.0 / [(0.01) * (1.75) + (1 − 0.01)] = 0.993$

Class Ratemaking

Once the proposed overall average voluntary loss cost level change has been determined, NCCI separately determines loss costs per $100 of payroll for each workers compensation job classification (class); the loss costs and year-over-year changes vary by class. Three sets of pure premiums are combined as part of each class code's loss cost calculation based on the volume of available data for that job classification. The three sets of pure premiums are:

- State-specific payroll and loss experience ("indicated")
- Current pure premium adjusted to the proposed level ("present on rate level")
- Countrywide experience adjusted to state conditions ("national")

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Summary of Selections

The following is a summary of selections underlying the voluntary loss costs proposed to be effective January 1, 2025, along with the selections underlying the filing effective January 1, 2024.

Voluntary Loss Costs	**Effective January 1, 2024**	**Proposed Effective January 1, 2025**
Experience Period	Policy Years 2020 and 2021	Policy Years 2021 and 2022
Premium Development	3-yr avg	3-yr avg
Loss Experience Base	Avg Paid and P+C	Avg Paid and P+C
Loss Development - Paid	2-yr avg	3-yr avg
Loss Development - Paid+Case	5-yr avg	5-yr avg
Tail Factor – Indemnity	1.012	1.010
Tail Factor – Medical	1.020	1.020
Trend Factor – Indemnity Loss Ratio	0.975	0.965
Trend Factor – Medical Loss Ratio	0.975	0.970
Base Threshold for Limiting Losses	$9,571,063	$9,599,292
Excess Ratio	1.2%	1.2%
Factor to Reflect Inclusion of Assigned Risk Experience		0.993
Loss-based Expense Provision	20.3%	21.0%
Classification Swing Limits (applied by Industry Group)	+/-20%	+/-20%

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Additional Proposed Changes

Factor to Reflect the Inclusion of Assigned Risk Experience

NCCI utilizes premium and loss experience from both the voluntary and assigned risk markets in calculating the proposed voluntary loss costs for workers compensation policies in Missouri. This is done to take advantage of a broader base of experience and to limit the underwriting cycle's influence on NCCI's ratemaking. However, the assigned risk premium utilized in determining Missouri's indicated voluntary loss cost level change is reported to NCCI at the voluntary loss cost level. It therefore does not contemplate the relatively poorer experience observed in the assigned risk market. To more accurately reflect the level of experience expected in the voluntary market, a Factor to Reflect the Inclusion of Assigned Risk Experience has been applied in the determination of the indicated voluntary loss cost level change in this filing.

Part 2   Proposed Values

- Proposed Voluntary Loss Costs for Inclusion in the Basic Manual

- Proposed Values for Inclusion in the Experience Rating Plan Manual

- Proposed Values for Inclusion in the Retrospective Rating Plan Manual

Please note the following in connection with this filing:

● As a result of Item R-1423, the Retrospective Rating Plan parameters have been updated.

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Proposed Voluntary Loss Costs for Inclusion in the Basic Manual

The following pages include proposed:

- Table of payroll-weighted class codes

- Voluntary loss costs by class code, along with associated footnotes

- Advisory miscellaneous values, such as:

  ○ Catastrophe and Terrorism provisions
  ○ Maximum weekly payroll applicable for select class codes
  ○ Premium determination for Partners and Sole Proprietors
  ○ United States Longshore and Harbor Workers' Compensation Coverage Percentage

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Proposed Voluntary Loss Costs

Payroll-Weighted Class Codes

This exhibit is included to display combined experience for indicated groupings of classes in the determination of loss costs.

Loss costs for these groups are calculated by payroll-weighting the indicated loss costs of the class codes using the latest policy period of payroll included in this filing. If swing limits are applied to a class code's loss cost, preventing it from achieving the payroll-weighted loss cost, it is noted in the table below with an "Upper" or "Lower" to indicate which limit was applied because of payroll-weighting.

The class codes below also have a footnote indicating a non-standard calculation in the Individual Classification Exhibit that accompanies this filing.

Class Code	Swing Limit Applied
7710	-
7711	-

NCCI INCLUDING TREND ADVISORY LOSS COSTS - NOT RATES   MISSOURI
Advisory loss costs exclude all expense provisions except loss adjustment expense.

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Effective January 1, 2025

CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST
0005	2.12	2070	3.34	2802	3.87	3372	2.15	4206	2.46	4923	1.04	6216	2.74
0008	1.71	2081	3.68	2835	1.81	3373	4.24	4207	1.75	5020	2.72	6217	2.41
0016	2.77	2089	2.05	2836	1.96	3383	1.18	4239	1.57	5022	4.31	6229	3.10
0034	2.02	2095	2.38	2841	3.27	3385	0.80	4240	1.96	5037	6.38	6233	1.46
0035	1.45	2105	3.27	2881	2.24	3400	2.98	4243	1.71	5040	5.31	6235	3.32
0036	3.03	2110	2.15	2883	1.81	3507	2.04	4244	2.19	5057	2.98	6236	3.31
0037	2.60	2111	1.71	2915	2.23	3515	1.62	4250	1.75	5059	13.53	6237	0.97
0042	4.38	2112	3.08	2916	2.48	3548	1.18	4251	2.80	5067	–	6251	2.70
0050	4.25	2114	1.83	2923	1.35	3559	1.47	4263	4.04	5102	3.91	6252	3.11
0059	–	2121	0.98	2960	3.35	3574	1.31	4273	1.75	5146	2.98	6306	3.17
0065	–	2130	1.63	3004	1.08	3581	0.94	4279	2.66	5160	1.39	6319	1.88
0066	–	2131	1.86	3018	2.56	3612	1.58	4283	1.34	5183	2.16	6325	2.13
0067	–	2143	1.61	3022	2.55	3620	2.40	4299	1.48	5188	2.04	6400	3.06
0079	1.96	2157	3.11	3027	1.92	3629	1.25	4304	3.67	5190	1.73	6503	1.73
0083	3.11	2172	1.38	3028	3.16	3632	2.17	4307	1.83	5191	0.66	6504	1.68
0106	4.41	2174	2.50	3030	3.72	3634	1.22	4351	0.87	5192	2.32	6702M*	2.64
0113	3.23	2211	6.28	3040	3.49	3635	1.32	4352	1.21	5213	3.43	6703M*	4.71
0170	1.41	2220	1.91	3041	2.83	3638	1.67	4360	–	5215	3.71	6704M*	2.93
0251	2.51	2286	–	3042	2.87	3642	1.11	4361	0.50	5221	2.92	6824F	3.84
0401	6.44	2288	3.41	3064	2.69	3643	2.15	4410	2.41	5222	4.66	6825F	1.30
0771N	0.37	2302	1.61	3076	2.31	3647	2.50	4420	2.34	5223	2.54	6826F	2.00
0908P	96.00	2305	1.71	3081	3.22	3648	0.99	4431	0.85	5348	2.49	6834	1.61
0913P	348.00	2361	1.57	3082	3.87	3681	0.47	4432	1.07	5402	3.61	6835	2.07
0917	2.81	2362	1.94	3085	3.87	3685	0.74	4452	1.89	5403	3.10	6836	1.96
1005*	3.83	2380	1.75	3110	3.07	3719	0.59	4459	1.81	5437	3.40	6845a	a
1016*	12.14	2388	1.16	3111	1.67	3724	2.72	4470	1.80	5443	1.96	6872F	4.74
1164	3.75	2402	1.73	3113	1.30	3726	2.21	4484	2.10	5445	3.01	6874F	6.00
1165	2.07	2413	1.73	3114	2.04	3803	2.10	4493	1.73	5462	3.36	6882	2.07
1320	1.11	2416	1.96	3118	1.52	3807	1.68	4511	0.27	5472	4.97	6884	3.54
1322	5.27	2417	1.11	3119	0.97	3808	3.17	4557	1.91	5473	5.06	7016M	2.05
1430	4.01	2501	1.58	3122	1.53	3821	3.80	4558	1.39	5474	3.67	7024M	2.28
1438	4.73	2503	0.89	3126	1.38	3822	3.02	4568	2.31	5478	2.81	7038M	3.67
1452	2.03	2570	3.07	3131	1.15	3824	2.76	4581	0.96	5479	4.18	7046M	7.33
1463	7.25	2585	2.69	3132	3.75	3826	0.70	4583	3.97	5480	4.64	7047M	3.67
1472	2.57	2586	3.59	3145	1.75	3827	1.49	4611	0.78	5491	1.76	7050M	6.56
1624	2.35	2587	2.06	3146	1.72	3830	0.68	4635	1.85	5505	–	7090M	4.08
1642	2.83	2589	1.72	3169	1.85	3851	1.54	4653	1.62	5506	3.61	7098M	8.14
1654	3.37	2600	3.59	3179	1.43	3865	2.47	4665	6.00	5507	2.72	7099M	13.09
1655	–	2623	3.40	3180	2.47	3881	2.62	4670	–	5508	–	7133	1.85
1699	2.27	2651	1.20	3188	1.78	4000	2.74	4683	4.20	5535	4.27	7151M	2.25
1701	2.19	2660	1.66	3220	1.47	4018	3.78	4686	1.66	5537	2.50	7152M	4.02
1710	2.44	2670	–	3224	2.62	4021	3.29	4692	0.64	5551	10.52	7153M	2.50
1747	2.71	2683	–	3227	2.03	4034	5.38	4693	0.96	5606	0.83	7219	4.60
1748	4.22	2688	1.89	3240	–	4036	2.00	4703	1.52	5610	2.97	7222	4.68
1803	4.80	2701	8.14	3241	2.64	4038	2.70	4717	1.76	5645	5.98	7225	5.60
1924	2.31	2702	12.69	3255	2.05	4062	1.78	4720	1.90	5703	10.23	7230	4.84
1925	2.32	2709	7.79	3257	2.10	4101	2.17	4740	0.79	5705	11.52	7231	5.65
2002	2.76	2710	8.34	3270	2.19	4109	0.52	4741	2.37	5951	0.45	7232	6.23
2003	2.71	2714	3.59	3300	3.13	4110	0.73	4751	2.19	6003	3.67	7309F	4.74
2014	3.63	2731	2.83	3303	2.42	4111	1.62	4771N	2.08	6005	2.84	7313F	2.09
2016	2.23	2735	3.39	3307	1.85	4114	2.04	4777	3.59	6045	2.56	7317F	3.28
2021	2.13	2759	3.95	3315	2.18	4130	3.02	4825	0.70	6204	4.42	7327F	7.68
2039	2.55	2790	1.61	3334	1.63	4131	4.13	4828	1.62	6206	1.68	7333M	1.64
2041	2.09	2797	2.97	3336	2.14	4133	2.11	4829	0.88	6213	1.53	7335M	1.82
2065	1.47	2799	4.68	3365	2.81	4149	0.70	4902	1.55	6214	1.05	7337M	2.93

REFER TO UPDATE PAGE FOR ALL SUBSEQUENT REVISIONS TO ALL CLASS CODES

Refer to the Classification codes section of the ***Basic Manual*** for any state specific classification phraseology.

* Refer to the Footnotes Page for additional information on this class code.

MISSOURI **NCCI INCLUDING TREND ADVISORY LOSS COSTS - NOT RATES**
Advisory loss costs exclude all expense provisions except loss adjustment expense.

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Effective January 1, 2025

CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST	CLASS CODE	LOSS COST
7350F	4.07	8058	1.76	8799	0.41	9220	2.96						
7360	3.39	8061	1.19	8800	1.09	9402	3.01						
7370	3.41	8072	0.44	8803	0.03	9403	5.45						
7380	4.31	8102	1.45	8805M	0.11	9410	2.25						
7382	3.95	8103	1.84	8810	0.08	9501	2.33						
7390	3.68	8106	3.04	8814M	0.10	9505	2.20						
7394M	3.11	8107	2.05	8815M	0.17	9516	1.46						
7395M	3.46	8111	1.43	8820	0.08	9519	2.57						
7398M	5.56	8116	1.76	8824	1.32	9521	2.59						
7402	0.07	8203	5.71	8825	–	9522	5.41						
7403	3.10	8204	2.39	8826	1.15	9534	2.98						
7405N	0.83	8209	2.71	8829	–	9554	4.59						
7420	5.94	8215	2.59	8831	0.80	9586	0.36						
7421	0.37	8227	2.85	8832	0.18	9600	2.09						
7422	0.78	8232	4.19	8833	0.76	9620	1.03						
7425	1.10	8233	2.07	8835	1.35								
7431N	0.56	8235	2.99	8855	0.08								
7445N	0.45	8263	4.43	8856	0.33								
7453N	0.30	8264	3.28	8861	0.78								
7502	1.29	8265	3.26	8868	0.30								
7515	0.66	8279	4.68	8869	0.67								
7520	1.84	8288	4.76	8871	0.03								
7538	1.94	8291	2.26	8901	0.08								
7539	1.11	8292	2.38	9012	0.49								
7540	1.99	8293	4.17	9014	1.42								
7580	1.73	8304	3.90	9015	2.10								
7590	2.35	8350	4.48	9016	1.74								
7600	2.69	8353	3.18	9019	1.87								
7605	1.41	8370	3.07	9033	1.36								
7610	0.33	8381	1.43	9040	2.78								
7705	3.06	8385	1.55	9044	0.79								
7710	3.94	8387	1.79	9052	1.19								
7711	3.94	8391	1.58	9058	1.07								
7720	2.30	8392	1.53	9060	1.02								
7855	2.34	8393	1.14	9061	0.88								
8001	1.44	8500	3.32	9062	0.97								
8002	1.40	8601	0.16	9063	0.55								
8006	1.17	8602	0.91	9077F	3.55								
8008	0.67	8603	0.05	9082	0.87								
8010	1.56	8606	1.06	9083	0.78								
8013	0.23	8709F	1.70	9084	0.89								
8015	0.52	8719	1.20	9088a	a								
8017	1.01	8720	0.68	9089	0.66								
8018	1.90	8721	0.18	9093	0.81								
8021	2.04	8723	0.07	9101	2.24								
8031	1.36	8725	1.30	9102	1.67								
8032	1.20	8726F	0.80	9110	2.33								
8033	1.12	8728	0.34	9154	1.13								
8034	1.64	8734M	0.23	9156	1.49								
8037	1.32	8737M	0.21	9170	8.58								
8039	1.19	8738M	0.37	9178	6.82								
8044	1.53	8742	0.17	9179	12.88								
8045	0.47	8745	2.66	9180	3.42								
8046	1.91	8748	0.35	9182	1.51								
8047	0.65	8755	0.20	9186	5.98								

REFER TO UPDATE PAGE FOR ALL SUBSEQUENT REVISIONS TO ALL CLASS CODES

Refer to the Classification codes section of the ***Basic Manual*** for any state specific classification phraseology.

* Refer to the Footnotes Page for additional information on this class code.

FOOTNOTES

a   Advisory loss cost for each individual risk must be obtained from NCCI Customer Service or the Rating Organization having jurisdiction.

F   Advisory loss cost provides for coverage under the United States Longshore and Harbor Workers Compensation Act and its extensions. Loss cost contains a provision for the USL&HW Assessment.

M   Risks are subject to Admiralty Law or Federal Employers Liability Act (FELA). However, the published loss cost is for risks that voluntarily purchase standard workers compensation and employers liability coverage. A provision for the USL&HW Assessment is included for those classifications under Program II USL Act.

N   This code is part of a ratable / non-ratable group shown below. The statistical non-ratable code and corresponding advisory loss cost are applied in addition to the basic classification when determining premium.

Class Code	Non-Ratable Element Code
4771	0771
7405	7445
7431	7453

P   Classification is computed on a per capita basis.

* Class Codes with Specific Footnotes

1005   Advisory loss cost includes a non-ratable disease element of $0.47. (For coverage written separately for federal benefits only, $0.45. For coverage written separately for state benefits only, $0.02.)

1016   Advisory loss cost includes a non-ratable disease element of $1.41. (For coverage written separately for federal benefits only, $1.34.   For coverage written separately for state benefits only, $0.07.)

6702   Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way - no work on elevated railroads. Otherwise, assign appropriate construction or erection code loss cost and elr each x 1.215.

6703   Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way - no work on elevated railroads. Otherwise, assign appropriate construction or erection class loss cost x 2.171 and elr x 2.11.

6704   Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way - no work on elevated railroads. Otherwise, assign appropriate construction or erection class loss cost and elr each x 1.35.

REFER TO UPDATE PAGE FOR ALL SUBSEQUENT REVISIONS TO ALL CLASS CODES

ADVISORY MISCELLANEOUS VALUES

Advisory Loss Elimination Ratios - The following percentages are applicable by deductible amount and hazard group for total losses on a per occurrence basis. They do not include a safety factor.

Deductible	Total Losses						
	HAZARD GROUP						
Amount	A	B	C	D	E	F	G
$100	1.1%	0.9%	0.6%	0.5%	0.3%	0.2%	0.2%
$200	2.1%	1.7%	1.2%	0.9%	0.7%	0.5%	0.4%
$300	3.1%	2.4%	1.7%	1.4%	1.0%	0.7%	0.5%
$400	4.0%	3.1%	2.3%	1.8%	1.3%	0.9%	0.7%
$500	4.9%	3.8%	2.8%	2.2%	1.6%	1.1%	0.8%
$1,000	8.5%	6.6%	4.9%	3.9%	2.9%	2.0%	1.6%
$1,500	11.3%	8.8%	6.7%	5.3%	4.1%	2.9%	2.3%
$2,000	13.6%	10.7%	8.2%	6.5%	5.0%	3.6%	2.9%
$2,500	15.6%	12.3%	9.5%	7.7%	6.0%	4.3%	3.4%
$5,000	22.9%	18.4%	14.7%	12.2%	9.7%	7.4%	5.9%
$10,000	32.1%	26.7%	22.1%	18.9%	15.4%	12.2%	10.1%
$15,000	38.6%	32.9%	27.8%	24.3%	20.0%	16.3%	13.6%
$20,000	43.8%	37.9%	32.5%	28.7%	23.9%	19.8%	16.6%

Basis of premium applicable in accordance with the *Basic Manual* notes for
Code 7370 --"Taxicab Co.":
Employee operated vehicle…………………………………………………………………. $91,200
Leased or rented vehicle…………………………………………………………………… $60,800

Catastrophe (other than Certified Acts of Terrorism) - (Advisory Loss Cost) ….. 0.01

Maximum Weekly Payroll applicable in accordance with the *Basic Manual* notes for Code
9178 -- "Athletic Sports or Park: Noncontact Sports," and Code 9179 -- "Athletic Sports or Park:
Contact Sports" $1,200

**Premium Determination for Executive Officers, Members of Limited Liability Companies,
Partners and Sole Proprietors** in accordance with the *Basic Manual* rules, Rule for premium
determination of executive officers, Rule for premium determination of members of LLCs, and
Rule for premium determination for partners or sole proprietors (Annual Payroll) ………………………........ $54,700

Terrorism - (Advisory Loss Cost) ….……………………………………………………………… 0.005

United States Longshore and Harbor Workers' Compensation Coverage Percentage applicable
only in connection with the *Basic Manual* rule, Federal coverages……………………………………….… 81%

(Multiply a Non-F classification loss cost by a factor of 1.81 to adjust for differences in benefits and loss-based expenses. This factor is the product of the adjustment for differences in benefits (1.75) and the adjustment for differences in loss-based expenses (1.037).)

Experience Rating Eligibility

A risk qualifies for experience rating on an intrastate basis when it meets the premium eligibility requirements for the state in which it operates. The eligibility amount varies by rating effective date. The *Experience Rating Plan Manual* should be referenced for the latest approved eligibility amounts by state and by effective date.

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Proposed Values for Inclusion in the Experience Rating Plan Manual

The following pages include proposed values for inclusion in the Experience Rating Plan Manual:

- Description of Expected Loss Rates and D-ratios
- Description of the Weighting and Ballast values
- Expected Loss Rates and D-ratios by class code
- Table of Weighting Values
- Table of Ballast Values
- Experience Rating Premium Eligibility Amounts

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Proposed Rating Values

Description of Expected Loss Rates and D-ratios

An expected loss rate for a classification is used to estimate the expected losses per $100 of payroll during the experience rating period for risks within that classification. These expected losses are then compared with the actual losses of a risk during the experience rating period to determine the experience modification (mod).

The actual losses reflect the loss data during the experience rating period. Expected losses and actual losses must be at the same level to enable an appropriate comparison for purposes of the experience mod calculation. As such, the proposed loss costs are adjusted to reflect the average loss levels of the experience rating period. This is accomplished through the application of ELR factors to the proposed underlying pure premiums. These ELR factors, calculated by hazard group (HG), remove the effects of the following: loss development, expected losses in excess of the State Accident Limit, a portion of medical-only losses, benefit changes, trend, loss-based expenses, experience, and assigned risk programs.

In experience rating, losses are divided into primary and excess portions. For each claim, losses below the split point are primary losses, while losses above the split point are excess losses. The D-ratio represents the estimated ratio of expected primary losses to expected total losses for a classification. The split point is based on the average claim costs in the state, promoting an equitable determination of primary and excess losses. To reflect changes in claim costs and preserve alignment with other experience rating parameters, the split point is reviewed annually and may be adjusted to maintain an average D-ratio of approximately 40%, the average D-ratio utilized when the credibility parameters underlying the weight and ballast values were last recalibrated. Utilizing a consistent average D-ratio promotes similar experience rating plan performance across states with varying cost levels. To keep up with changes in claim costs over time, the split point value is reviewed annually and indexed as appropriate so that the average D-ratio in the state remains consistent.

The D-ratio is used to determine the expected excess losses to be used in the experience mod calculation. D-ratios are calculated by hazard group and are based on the latest three years of Unit Statistical Data trended to the midpoint of the proposed experience rating period. A comparison of the resulting D-ratios across hazard groups is done to ensure that they monotonically decrease from hazard group A to hazard group G. If they do not, an adjustment is made by averaging the D-ratios over adjacent hazard groups. The final D-ratio for each classification is the hazard group D-ratio.

An adjustment to the ELR factors is necessary so that the resulting ELRs produce an expected intrastate experience rating off-balance that equals the targeted intrastate experience rating off-balance used in the calculation of the overall loss cost level change for the state. Preliminary ELR factors are calculated by class code utilizing the appropriate hazard group factors and underlying pure premiums. Intrastate experience rating modifications for the most recent year of rating effective dates available at the time of the production of the filing are calculated based on the preliminary ELRs and D-ratios, and the losses underlying the mod calculations are adjusted for trend and to the appropriate benefit level of the data that will be used for experience ratings in the proposed effective period. The trend is applied separately by frequency and severity using selected values that are appropriate for the time period covered. It should be noted that the loss ratio trends used in other parts of the filing may not match the ELR trends due to possible differences between the experience rating trend periods and the ratemaking trend periods. An average of these intrastate experience modifications is calculated, and an iterative process follows where the ELR factors are adjusted up or down, class ELRs are recalculated, and experience rating modifications are restated until the target average intrastate experience mod is achieved.

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Proposed Rating Values

For the calculation of experience mods, the experience rating plan for Missouri uses actual losses net of the reported deductible reimbursement amount. As a result, the ELR adjustment mentioned above is calculated using actual losses net of the deductible reimbursement to target the average intrastate experience mod.

The final ELR for each classification is calculated as follows:

ELR = {(HG indemnity ELR factor) x (indemnity pure premium) + (HG medical ELR factor) x (medical pure premium)} x Manual/Standard Ratio

Description of the Weighting and Ballast Values

The weighting value (W) and ballast value (B) influence the degree to which an employer's actual losses impact the experience rating modification for employers of various sizes - generally described as excess loss credibility - and are governed by the formulas in Item E-1409.

One element of these formulas is the G-value, which represents the state average claim severity in thousands of dollars and reflects the state accident limitation and the reduction of medical only losses. The state accident limit is used to curtail the impact of large claims on the experience modification and is based on a state-level 95th percentile of lost-time claims so that the limitation is expected to impact the largest 5% of lost-time claims.

The values for W and B are such that larger employers receive higher excess loss credibility in their experience modification calculation than smaller employers.

The ballast value is a stabilizing value designed to control the effect of actual loss experience on the experience rating modification. It is added to both the numerator and denominator in the experience modification calculation and increases as expected losses increase.

The weighting value for various levels of expected losses is provided in the Table of Weighting Values.

The ballast value for various levels of expected losses is provided in the Table of Ballast Values.

Effective January 1, 2025
TABLE OF EXPECTED LOSS RATES AND DISCOUNT RATIOS
APPLICABLE TO ALL POLICIES

CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO
0005	1.66	0.43	2070	2.49	0.40	2802	2.91	0.40	3372	1.62	0.40	4206	1.93	0.43
0008	1.34	0.43	2081	3.06	0.44	2835	1.50	0.44	3373	3.31	0.43	4207	1.08	0.34
0016	1.88	0.36	2089	1.60	0.43	2836	1.62	0.44	3383	0.93	0.43	4239	0.97	0.34
0034	1.52	0.40	2095	1.79	0.40	2841	2.58	0.43	3385	0.63	0.43	4240	1.63	0.44
0035	1.09	0.40	2105	2.72	0.44	2881	1.86	0.44	3400	2.33	0.43	4243	1.28	0.40
0036	2.37	0.43	2110	1.68	0.43	2883	1.41	0.43	3507	1.53	0.40	4244	1.49	0.36
0037	1.77	0.36	2111	1.34	0.43	2915	1.51	0.36	3515	1.22	0.40	4250	1.31	0.40
0042	3.05	0.40	2112	2.41	0.43	2916	1.69	0.36	3548	0.93	0.43	4251	2.19	0.43
0050	2.67	0.36	2114	1.52	0.44	2923	1.12	0.44	3559	1.10	0.40	4263	3.03	0.40
0059	–	–	2121	0.81	0.44	2960	2.51	0.40	3574	1.02	0.43	4273	1.31	0.40
0065	–	–	2130	1.22	0.40	3004	0.67	0.34	3581	0.74	0.43	4279	1.81	0.36
0066	–	–	2131	1.46	0.43	3018	1.59	0.34	3612	1.19	0.40	4283	1.04	0.43
0067	–	–	2143	1.33	0.44	3022	1.99	0.43	3620	1.62	0.36	4299	1.11	0.40
0079	1.48	0.40	2157	2.42	0.43	3027	1.30	0.36	3629	0.94	0.40	4304	2.74	0.40
0083	2.34	0.40	2172	0.93	0.36	3028	2.13	0.36	3632	1.62	0.40	4307	1.53	0.44
0106	2.73	0.34	2174	1.96	0.43	3030	2.52	0.36	3634	0.92	0.40	4351	0.68	0.43
0113	2.53	0.43	2211	4.25	0.36	3040	2.62	0.40	3635	0.99	0.40	4352	0.95	0.43
0170	1.10	0.43	2220	1.43	0.40	3041	2.12	0.40	3638	1.31	0.43	4360	0.22	0.36
0251	1.89	0.40	2286	1.43	0.40	3042	2.14	0.40	3642	0.87	0.43	4361	0.39	0.43
0401	4.03	0.34	2288	2.66	0.43	3064	2.02	0.40	3643	1.46	0.36	4410	1.88	0.43
0771	–	–	2302	1.21	0.40	3076	1.80	0.43	3647	1.88	0.40	4420	1.45	0.34
0908	72.12	0.40	2305	1.15	0.36	3081	2.42	0.40	3648	0.83	0.44	4431	0.71	0.44
0913	260.18	0.40	2361	1.18	0.40	3082	2.63	0.36	3681	0.37	0.43	4432	0.89	0.44
0917	2.34	0.44	2362	1.52	0.43	3085	2.90	0.40	3685	0.58	0.43	4452	1.41	0.40
1005	1.89	0.32	2380	1.37	0.43	3110	2.31	0.40	3719	0.31	0.32	4459	1.22	0.36
1016	6.05	0.32	2388	0.97	0.44	3111	1.31	0.43	3724	1.43	0.32	4470	1.35	0.40
1164	2.14	0.32	2402	1.18	0.36	3113	0.98	0.40	3726	1.16	0.32	4484	1.64	0.43
1165	1.17	0.32	2413	1.30	0.40	3114	1.52	0.40	3803	1.64	0.43	4493	1.30	0.40
1320	0.69	0.34	2416	1.54	0.43	3118	1.26	0.44	3807	1.31	0.43	4511	0.20	0.40
1322	2.76	0.32	2417	0.87	0.43	3119	0.84	0.49	3808	2.38	0.40	4557	1.29	0.36
1430	2.72	0.36	2501	1.24	0.43	3122	1.27	0.44	3821	2.58	0.36	4558	1.04	0.40
1438	3.20	0.36	2503	0.70	0.43	3126	1.03	0.40	3822	2.37	0.43	4568	1.55	0.36
1452	1.37	0.36	2570	2.40	0.43	3131	0.86	0.40	3824	2.17	0.43	4581	0.60	0.34
1463	4.13	0.32	2585	2.01	0.40	3132	2.95	0.43	3826	0.52	0.40	4583	2.47	0.34
1472	1.75	0.36	2586	2.82	0.43	3145	1.31	0.40	3827	1.16	0.43	4611	0.61	0.43
1624	1.46	0.34	2587	1.60	0.43	3146	1.29	0.40	3830	0.50	0.40	4635	1.15	0.34
1642	1.91	0.36	2589	1.29	0.40	3169	1.45	0.43	3851	1.20	0.43	4653	1.26	0.43
1654	2.27	0.36	2600	2.80	0.43	3179	1.12	0.43	3865	2.05	0.44	4665	4.07	0.36
1655	1.91	0.36	2623	2.30	0.36	3180	1.94	0.43	3881	1.97	0.40	4670	3.14	0.40
1699	1.54	0.36	2651	0.94	0.43	3188	1.34	0.40	4000	1.70	0.34	4683	3.14	0.40
1701	1.36	0.34	2660	1.38	0.44	3220	1.10	0.40	4018	2.54	0.36	4686	1.12	0.36
1710	1.64	0.36	2670	1.48	0.43	3224	2.17	0.44	4021	2.46	0.40	4692	0.50	0.43
1747	1.83	0.36	2683	1.24	0.43	3227	1.58	0.43	4034	3.64	0.36	4693	0.75	0.43
1748	2.87	0.36	2688	1.48	0.43	3240	1.64	0.43	4036	1.36	0.36	4703	1.13	0.40
1803	3.26	0.36	2701	5.05	0.34	3241	2.06	0.43	4038	2.23	0.44	4717	1.46	0.44
1924	1.81	0.43	2702	7.21	0.32	3255	1.70	0.44	4062	1.34	0.40	4720	1.43	0.40
1925	1.74	0.40	2709	4.85	0.34	3257	1.64	0.43	4101	1.63	0.40	4740	0.45	0.32
2002	2.16	0.43	2710	5.69	0.36	3270	1.72	0.43	4109	0.41	0.43	4741	1.77	0.40
2003	2.03	0.40	2714	2.82	0.43	3300	2.60	0.44	4110	0.56	0.43	4751	1.49	0.36
2014	2.46	0.36	2731	2.22	0.43	3303	1.90	0.43	4111	1.26	0.43	4771	1.29	0.34
2016	1.74	0.43	2735	2.66	0.43	3307	1.39	0.40	4114	1.52	0.40	4777	2.24	0.34
2021	1.60	0.40	2759	3.10	0.43	3315	1.70	0.43	4130	2.37	0.43	4825	0.47	0.36
2039	1.99	0.43	2790	1.34	0.44	3334	1.21	0.40	4131	3.23	0.43	4828	1.01	0.34
2041	1.63	0.43	2797	2.47	0.44	3336	1.60	0.40	4133	1.76	0.44	4829	0.55	0.34
2065	1.10	0.40	2799	3.25	0.40	3365	1.61	0.34	4149	0.58	0.44	4902	1.22	0.43

REFER TO UPDATE PAGE FOR ALL SUBSEQUENT REVISIONS TO ALL CLASS CODES

Effective January 1, 2025
TABLE OF EXPECTED LOSS RATES AND DISCOUNT RATIOS
APPLICABLE TO ALL POLICIES

CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO
4923	0.78	0.40	6216	1.44	0.32	7350F	2.00	0.29	8058	1.38	0.43	8799	0.32	0.43
5020	1.56	0.34	6217	1.26	0.32	7360	2.29	0.36	8061	0.94	0.43	8800	0.85	0.43
5022	2.27	0.32	6229	1.93	0.36	7370	2.67	0.43	8072	0.37	0.44	8803	0.02	0.36
5037	3.32	0.32	6233	0.77	0.32	7380	2.91	0.36	8102	1.14	0.43	8805	0.08	0.43
5040	2.79	0.32	6235	1.75	0.32	7382	2.97	0.40	8103	1.38	0.40	8810	0.06	0.43
5057	1.56	0.32	6236	2.06	0.36	7390	2.87	0.43	8106	2.06	0.36	8814	0.08	0.43
5059	7.11	0.32	6237	0.56	0.34	7394	1.76	0.32	8107	1.28	0.34	8815	0.13	0.43
5067	2.79	0.32	6251	1.54	0.34	7395	1.95	0.32	8111	1.07	0.40	8820	0.05	0.36
5102	2.25	0.34	6252	1.63	0.32	7398	3.05	0.32	8116	1.32	0.40	8824	1.15	0.49
5146	1.86	0.36	6306	1.83	0.34	7402	0.05	0.43	8203	4.27	0.40	8825	0.96	0.44
5160	0.73	0.32	6319	0.99	0.32	7403	2.42	0.43	8204	1.79	0.40	8826	0.96	0.44
5183	1.24	0.34	6325	1.12	0.32	7405	0.65	0.43	8209	2.13	0.43	8829	1.15	0.49
5188	1.17	0.34	6400	1.92	0.36	7420	3.31	0.32	8215	1.77	0.36	8831	0.70	0.49
5190	0.99	0.34	6503	1.36	0.43	7421	0.25	0.36	8227	1.64	0.34	8832	0.14	0.43
5191	0.45	0.36	6504	1.32	0.43	7422	0.48	0.34	8232	2.83	0.36	8833	0.60	0.43
5192	1.74	0.40	6702	1.79	0.36	7425	0.68	0.34	8233	1.38	0.36	8835	1.05	0.43
5213	1.81	0.32	6703	3.10	0.36	7431	0.34	0.34	8235	2.24	0.40	8855	0.06	0.43
5215	2.32	0.36	6704	1.98	0.36	7445	–	–	8263	3.33	0.40	8856	0.26	0.43
5221	1.68	0.34	6824F	2.00	0.33	7453	–	–	8264	2.22	0.36	8861	0.61	0.43
5222	2.46	0.32	6825F	0.60	0.27	7502	0.87	0.36	8265	2.03	0.34	8868	0.25	0.44
5223	1.59	0.36	6826F	1.04	0.33	7515	0.38	0.32	8279	2.92	0.34	8869	0.56	0.44
5348	1.56	0.36	6834	1.26	0.43	7520	1.38	0.40	8288	3.59	0.40	8871	0.03	0.43
5402	2.62	0.43	6835	1.17	0.32	7538	1.02	0.32	8291	1.69	0.40	8901	0.05	0.36
5403	1.78	0.34	6836	1.47	0.40	7539	0.69	0.34	8292	1.86	0.43	9012	0.33	0.36
5437	1.96	0.34	6845	a	a	7540	1.13	0.32	8293	3.25	0.43	9014	1.11	0.43
5443	1.36	0.40	6872F	2.18	0.27	7580	1.17	0.36	8304	2.43	0.34	9015	1.58	0.40
5445	1.58	0.32	6874F	2.76	0.27	7590	1.59	0.36	8350	2.78	0.34	9016	1.37	0.43
5462	2.10	0.36	6882	1.28	0.34	7600	1.81	0.36	8353	2.15	0.36	9019	1.27	0.36
5472	2.61	0.32	6884	2.17	0.34	7605	0.81	0.34	8370	2.08	0.36	9033	1.02	0.40
5473	2.66	0.32	7016	1.15	0.32	7610	0.22	0.36	8381	1.08	0.40	9040	2.32	0.44
5474	1.93	0.32	7024	1.28	0.32	7705	2.29	0.40	8385	1.16	0.40	9044	0.66	0.44
5478	1.61	0.34	7038	2.11	0.32	7710	2.44	0.34	8387	1.34	0.40	9052	0.99	0.44
5479	2.62	0.36	7046	4.14	0.32	7711	2.44	0.34	8391	1.19	0.40	9058	0.93	0.49
5480	2.66	0.34	7047	2.00	0.32	7720	1.56	0.36	8392	1.27	0.44	9060	0.85	0.44
5491	1.01	0.34	7050	3.67	0.32	7855	1.47	0.36	8393	0.77	0.36	9061	0.73	0.44
5505	2.08	0.34	7090	2.35	0.32	8001	1.13	0.43	8500	2.25	0.36	9062	0.80	0.44
5506	2.08	0.34	7098	4.60	0.32	8002	1.10	0.43	8601	0.10	0.34	9063	0.46	0.44
5507	1.56	0.34	7099	7.19	0.32	8006	0.97	0.44	8602	0.62	0.36	9077F	2.07	0.41
5508	1.56	0.34	7133	1.15	0.34	8008	0.56	0.44	8603	0.04	0.43	9082	0.76	0.49
5535	2.26	0.32	7151	1.40	0.34	8010	1.23	0.43	8606	0.66	0.34	9083	0.68	0.49
5537	1.57	0.36	7152	2.43	0.34	8013	0.17	0.40	8709F	0.78	0.27	9084	0.74	0.44
5551	5.57	0.32	7153	1.56	0.34	8015	0.39	0.40	8719	0.75	0.34	9088	a	a
5606	0.44	0.32	7219	2.84	0.34	8017	0.84	0.44	8720	0.42	0.34	9089	0.55	0.44
5610	1.86	0.36	7222	2.88	0.34	8018	1.49	0.43	8721	0.12	0.36	9093	0.68	0.44
5645	3.15	0.32	7225	3.76	0.36	8021	1.60	0.43	8723	0.05	0.40	9101	1.86	0.44
5703	6.46	0.36	7230	3.62	0.40	8031	1.06	0.43	8725	0.88	0.36	9102	1.25	0.40
5705	7.26	0.36	7231	4.22	0.40	8032	0.94	0.43	8726F	0.42	0.33	9110	1.84	0.43
5951	0.35	0.43	7232	3.84	0.34	8033	0.93	0.44	8728	0.23	0.36	9154	0.89	0.43
6003	2.11	0.34	7309F	2.18	0.27	8034	1.35	0.44	8734	0.15	0.36	9156	1.24	0.44
6005	1.77	0.36	7313F	0.96	0.27	8037	1.16	0.49	8737	0.14	0.36	9170	5.36	0.34
6045	1.60	0.36	7317F	1.51	0.27	8039	0.99	0.44	8738	0.25	0.36	9178	6.00	0.49
6204	2.54	0.34	7327F	3.54	0.27	8044	1.20	0.43	8742	0.12	0.36	9179	11.31	0.49
6206	0.88	0.32	7333	0.92	0.32	8045	0.37	0.43	8745	2.00	0.40	9180	2.59	0.40
6213	0.80	0.32	7335	1.02	0.32	8046	1.50	0.43	8748	0.22	0.34	9182	1.19	0.43
6214	0.60	0.34	7337	1.59	0.32	8047	0.51	0.43	8755	0.14	0.36	9186	3.76	0.34

REFER TO UPDATE PAGE FOR ALL SUBSEQUENT REVISIONS TO ALL CLASS CODES

Effective January 1, 2025
TABLE OF EXPECTED LOSS RATES AND DISCOUNT RATIOS
APPLICABLE TO ALL POLICIES

CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO	CLASS CODE	ELR	D RATIO
9220	2.22	0.40												
9402	1.87	0.34												
9403	3.39	0.34												
9410	1.76	0.43												
9501	1.58	0.36												
9505	1.66	0.40												
9516	1.09	0.40												
9519	1.73	0.36												
9521	1.75	0.36												
9522	4.43	0.44												
9534	1.56	0.32												
9554	2.64	0.34												
9586	0.30	0.44												
9600	1.63	0.43												
9620	0.70	0.36												

REFER TO UPDATE PAGE FOR ALL SUBSEQUENT REVISIONS TO ALL CLASS CODES

Effective January 1, 2025
TABLE OF WEIGHTING VALUES
APPLICABLE TO ALL POLICIES

Expected Losses			Weighting Values	Expected Losses			Weighting Values
0	--	2,877	0.14	1,622,048	--	1,703,636	0.49
2,878	--	8,105	0.15	1,703,637	--	1,789,614	0.50
8,106	--	13,459	0.16	1,789,615	--	1,880,345	0.51
13,460	--	18,942	0.17	1,880,346	--	1,976,234	0.52
18,943	--	20,856	0.18	1,976,235	--	2,077,738	0.53
20,857	--	23,588	0.17	2,077,739	--	2,185,363	0.54
23,589	--	27,320	0.16	2,185,364	--	2,299,681	0.55
27,321	--	32,936	0.15	2,299,682	--	2,421,338	0.56
32,937	--	43,623	0.14	2,421,339	--	2,551,065	0.57
43,624	--	100,245	0.13	2,551,066	--	2,689,693	0.58
100,246	--	134,708	0.14	2,689,694	--	2,838,170	0.59
134,709	--	164,805	0.15	2,838,171	--	2,997,588	0.60
164,806	--	193,755	0.16	2,997,589	--	3,169,200	0.61
193,756	--	222,473	0.17	3,169,201	--	3,354,464	0.62
222,474	--	251,380	0.18	3,354,465	--	3,555,076	0.63
251,381	--	280,711	0.19	3,555,077	--	3,773,027	0.64
280,712	--	310,630	0.20	3,773,028	--	4,010,667	0.65
310,631	--	341,253	0.21	4,010,668	--	4,270,791	0.66
341,254	--	372,678	0.22	4,270,792	--	4,556,749	0.67
372,679	--	404,992	0.23	4,556,750	--	4,872,592	0.68
404,993	--	436,856	0.24	4,872,593	--	5,223,263	0.69
436,857	--	468,171	0.25	5,223,264	--	5,614,861	0.70
468,172	--	500,471	0.26	5,614,862	--	6,054,997	0.71
500,472	--	533,812	0.27	6,054,998	--	6,553,289	0.72
533,813	--	568,249	0.28	6,553,290	--	7,122,083	0.73
568,250	--	603,847	0.29	7,122,084	--	7,777,480	0.74
603,848	--	640,665	0.30	7,777,481	--	8,540,892	0.75
640,666	--	678,775	0.31	8,540,893	--	9,441,420	0.76
678,776	--	718,248	0.32	9,441,421	--	10,519,653	0.77
718,249	--	759,162	0.33	10,519,654	--	11,833,949	0.78
759,163	--	801,599	0.34	11,833,950	--	13,471,367	0.79
801,600	--	845,652	0.35	13,471,368	--	15,567,771	0.80
845,653	--	891,413	0.36	15,567,772	--	18,347,608	0.81
891,414	--	938,987	0.37	18,347,609	--	22,210,169	0.82
938,988	--	988,486	0.38	22,210,170	--	27,941,014	0.83
988,487	--	1,040,031	0.39	27,941,015	--	37,328,057	0.84
1,040,032	--	1,093,755	0.40	37,328,058	--	55,509,165	0.85
1,093,756	--	1,149,797	0.41	55,509,166	--	105,731,536	0.86
1,149,798	--	1,208,315	0.42	105,731,537	--	900,790,047	0.87
1,208,316	--	1,269,475	0.43	900,790,048	-- AND OVER		0.88
1,269,476	--	1,333,464	0.44				
1,333,465	--	1,400,482	0.45				
1,400,483	--	1,470,753	0.46				
1,470,754	--	1,544,519	0.47				
1,544,520	--	1,622,047	0.48				

(a) G 13.30
(b) State Per Claim Accident Limitation $157,000
(c) State Multiple Claim Accident Limitation $314,000
(d) USL&HW Per Claim Accident Limitation $308,500
(e) USL&HW Multiple Claim Accident Limitation $617,000
(f) Employers Liability Accident Limitation $55,000
(g) Primary/Excess Loss Split Point $21,500
(h) USL&HW Act -- Expected Loss Factor -- Non-F Classes 1.75
(Multiply a Non-F classification ELR by the USL&HW Act - Expected Loss Factor of 1.75.)

TABLE OF BALLAST VALUES
APPLICABLE TO ALL POLICIES

Expected Losses		Ballast Values	Expected Losses		Ballast Values	Expected Losses		Ballast Values
0	-- 479,903	61,180	4,507,438	-- 4,626,156	293,930	8,663,109	-- 8,781,850	526,680
479,904	-- 596,498	67,830	4,626,157	-- 4,744,876	300,580	8,781,851	-- 8,900,591	533,330
596,499	-- 713,783	74,480	4,744,877	-- 4,863,599	307,230	8,900,592	-- 9,019,333	539,980
713,784	-- 831,474	81,130	4,863,600	-- 4,982,322	313,880	9,019,334	-- 9,138,076	546,630
831,475	-- 949,424	87,780	4,982,323	-- 5,101,047	320,530	9,138,077	-- 9,256,818	553,280
949,425	-- 1,067,548	94,430	5,101,048	-- 5,219,772	327,180	9,256,819	-- 9,375,560	559,930
1,067,549	-- 1,185,796	101,080	5,219,773	-- 5,338,499	333,830	9,375,561	-- 9,494,303	566,580
1,185,797	-- 1,304,134	107,730	5,338,500	-- 5,457,227	340,480	9,494,304	-- 9,613,046	573,230
1,304,135	-- 1,422,540	114,380	5,457,228	-- 5,575,956	347,130	9,613,047	-- 9,731,789	579,880
1,422,541	-- 1,540,999	121,030	5,575,957	-- 5,694,685	353,780	9,731,790	-- 9,850,532	586,530
1,541,000	-- 1,659,499	127,680	5,694,686	-- 5,813,416	360,430	9,850,533	-- 9,969,276	593,180
1,659,500	-- 1,778,032	134,330	5,813,417	-- 5,932,147	367,080	9,969,277	-- 10,088,019	599,830
1,778,033	-- 1,896,592	140,980	5,932,148	-- 6,050,879	373,730	10,088,020	-- 10,206,763	606,480
1,896,593	-- 2,015,174	147,630	6,050,880	-- 6,169,612	380,380	10,206,764	-- 10,325,507	613,130
2,015,175	-- 2,133,775	154,280	6,169,613	-- 6,288,345	387,030	10,325,508	-- 10,444,251	619,780
2,133,776	-- 2,252,391	160,930	6,288,346	-- 6,407,079	393,680	10,444,252	-- 10,562,995	626,430
2,252,392	-- 2,371,021	167,580	6,407,080	-- 6,525,814	400,330	10,562,996	-- 10,681,739	633,080
2,371,022	-- 2,489,662	174,230	6,525,815	-- 6,644,549	406,980	10,681,740	-- 10,800,484	639,730
2,489,663	-- 2,608,313	180,880	6,644,550	-- 6,763,285	413,630	10,800,485	-- 10,919,228	646,380
2,608,314	-- 2,726,973	187,530	6,763,286	-- 6,882,021	420,280	10,919,229	-- 11,037,973	653,030
2,726,974	-- 2,845,640	194,180	6,882,022	-- 7,000,757	426,930	11,037,974	-- 11,156,718	659,680
2,845,641	-- 2,964,314	200,830	7,000,758	-- 7,119,494	433,580	11,156,719	-- 11,275,463	666,330
2,964,315	-- 3,082,993	207,480	7,119,495	-- 7,238,232	440,230	11,275,464	-- 11,394,208	672,980
3,082,994	-- 3,201,678	214,130	7,238,233	-- 7,356,970	446,880	11,394,209	-- 11,512,953	679,630
3,201,679	-- 3,320,367	220,780	7,356,971	-- 7,475,708	453,530	11,512,954	-- 11,631,698	686,280
3,320,368	-- 3,439,061	227,430	7,475,709	-- 7,594,447	460,180	11,631,699	-- 11,749,220	692,930
3,439,062	-- 3,557,758	234,080	7,594,448	-- 7,713,186	466,830			
3,557,759	-- 3,676,459	240,730	7,713,187	-- 7,831,925	473,480			
3,676,460	-- 3,795,163	247,380	7,831,926	-- 7,950,664	480,130			
3,795,164	-- 3,913,870	254,030	7,950,665	-- 8,069,404	486,780			
3,913,871	-- 4,032,579	260,680	8,069,405	-- 8,188,145	493,430			
4,032,580	-- 4,151,290	267,330	8,188,146	-- 8,306,885	500,080			
4,151,291	-- 4,270,004	273,980	8,306,886	-- 8,425,626	506,730			
4,270,005	-- 4,388,719	280,630	8,425,627	-- 8,544,367	513,380			
4,388,720	-- 4,507,437	287,280	8,544,368	-- 8,663,108	520,030			

For Expected Losses greater than $11,749,220, the Ballast Value can be calculated using the following formula (rounded to the nearest 1):

Ballast = (0.056)(Expected Losses) + 2876.4(Expected Losses)(13.30) / (Expected Losses + (600)(13.30))

G = 13.30

NATIONAL COUNCIL ON COMPENSATION INSURANCE, INC.

MISSOURI—UPDATE TO EXPERIENCE RATING PREMIUM ELIGIBILITY AMOUNTS

EXPERIENCE RATING PLAN MANUAL—2003 EDITION
RULE 2—EXPERIENCE RATING ELEMENTS AND FORMULA
A. PREMIUM ELIGIBILITY

2. State Subject Premium Eligibility Amounts

A risk qualifies for experience rating when its subject premium, developed in its experience period, meets or exceeds the minimum eligibility amount shown in the State Table of Subject Premium Eligibility Amounts in Rule 2-A-2-c. *Refer to Rule 2-E-1 to determine a risk's experience period.*

a. A risk qualifies for experience rating if its data within the most recent 24 months of the experience period develops a subject premium of at least the amount shown in Column A.

b. A risk may not qualify according to Rule 2-A-2-a. If it has more than the amount of experience referenced in Rule 2-A-2-a, then to qualify for experience rating the risk must develop an average annual subject premium of at least the amount shown in Column B. *Refer to Rule 2-A-3 to determine average annual subject premium.*

c. A risk's rating effective date determines the applicable Column A and Column B subject premium eligibility amounts required to qualify for experience rating. *Refer to Rule 2-B for rating effective date determination.*

State Table of Subject Premium Eligibility Amounts

State	Rating Effective Date	Column A ($)	Column B ($)
MO	7/1/25 and after	9,500	4,750
	7/1/24 - 6/30/25	9,000	4,500
	7/1/23 - 6/30/24	9,000	4,500

NOTE: This exhibit revises the Missouri experience rating subject premium eligibility amounts shown in the State Table of Subject Premium Eligibility Amounts in NCCI's *Experience Rating Plan Manual* national Rule 2-A-2-c. The content shown in this table is not a complete replacement of the existing State Table of Subject Premium Eligibility Amounts. The premium eligibility amounts are applicable to all policies.

MISSOURI

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Proposed Values for Inclusion in the Retrospective Rating Plan Manual

The following pages include values for inclusion in the Retrospective Rating Plan Manual, such as:

- Average Cost per Case
- Excess Loss Pure Premium Factors

RETROSPECTIVE RATING PLAN MANUAL   **MISSOURI**
STATE SPECIAL RATING VALUES   **RR 1**
Effective January 1, 2025   **Original Printing**

1. Average Cost per Case by Hazard Group

A	B	C	D	E	F	G
9,006	11,523	16,336	21,044	28,603	42,587	56,275

Average Cost per Case including ALAE by Hazard Group

A	B	C	D	E	F	G
10,008	12,786	18,104	23,302	31,601	46,995	62,064

2.   **Excess Loss Pure Premium Factors**
(Applicable to New and Renewal Policies)

Per Accident Limitation	\<br\>A	\<br\>B	\<br\>C	Hazard Groups\<br\>D	\<br\>E	\<br\>F	\<br\>G
$10,000	0.564	0.609	0.647	0.674	0.703	0.730	0.748
$15,000	0.510	0.558	0.600	0.630	0.665	0.696	0.719
$20,000	0.467	0.516	0.561	0.593	0.633	0.667	0.693
$25,000	0.432	0.481	0.528	0.560	0.604	0.640	0.670
$30,000	0.401	0.451	0.499	0.532	0.579	0.617	0.649
$35,000	0.375	0.424	0.473	0.507	0.556	0.596	0.629
$40,000	0.353	0.401	0.450	0.484	0.535	0.576	0.611
$50,000	0.315	0.361	0.411	0.444	0.498	0.541	0.579
$75,000	0.250	0.292	0.339	0.371	0.428	0.472	0.514
$100,000	0.208	0.247	0.292	0.321	0.379	0.422	0.464
$125,000	0.179	0.214	0.257	0.285	0.342	0.384	0.425
$150,000	0.157	0.189	0.230	0.256	0.313	0.354	0.394
$175,000	0.139	0.170	0.209	0.234	0.289	0.329	0.368
$200,000	0.125	0.154	0.192	0.215	0.270	0.308	0.346
$225,000	0.114	0.141	0.178	0.199	0.253	0.291	0.327
$250,000	0.105	0.131	0.165	0.186	0.239	0.275	0.311
$275,000	0.097	0.121	0.155	0.175	0.227	0.262	0.296
$300,000	0.090	0.113	0.146	0.165	0.216	0.250	0.283
$325,000	0.084	0.106	0.138	0.156	0.206	0.239	0.272
$350,000	0.078	0.100	0.131	0.148	0.197	0.230	0.261
$375,000	0.074	0.095	0.124	0.141	0.189	0.221	0.252
$400,000	0.070	0.090	0.119	0.135	0.182	0.213	0.243
$425,000	0.066	0.086	0.114	0.129	0.176	0.206	0.235
$450,000	0.063	0.082	0.109	0.124	0.170	0.199	0.227
$475,000	0.060	0.078	0.105	0.119	0.164	0.193	0.221
$500,000	0.057	0.075	0.101	0.115	0.159	0.187	0.214
$600,000	0.049	0.065	0.088	0.101	0.142	0.168	0.192
$700,000	0.042	0.057	0.079	0.090	0.129	0.153	0.175
$800,000	0.038	0.051	0.071	0.081	0.119	0.141	0.162
$900,000	0.034	0.046	0.066	0.075	0.110	0.131	0.150
$1,000,000	0.031	0.042	0.061	0.069	0.103	0.123	0.141
$2,000,000	0.017	0.024	0.036	0.041	0.065	0.078	0.089
$3,000,000	0.012	0.017	0.026	0.030	0.048	0.059	0.067
$4,000,000	0.009	0.013	0.020	0.023	0.038	0.047	0.053
$5,000,000	0.007	0.010	0.016	0.019	0.031	0.039	0.045
$6,000,000	0.005	0.008	0.014	0.016	0.026	0.033	0.038
$7,000,000	0.004	0.007	0.011	0.013	0.022	0.028	0.033
$8,000,000	0.004	0.006	0.010	0.011	0.019	0.025	0.029
$9,000,000	0.003	0.005	0.008	0.010	0.017	0.022	0.025
$10,000,000	0.003	0.004	0.007	0.008	0.015	0.019	0.022

Excess Loss and Allocated
Expense Pure Premium Factors
(Applicable to New and Renewal Policies)

Per Accident Limitation	Hazard Groups						
	A	**B**	**C**	**D**	**E**	**F**	**G**
$10,000	0.636	0.684	0.724	0.753	0.784	0.811	0.830
$15,000	0.577	0.628	0.674	0.706	0.743	0.776	0.800
$20,000	0.530	0.583	0.632	0.666	0.708	0.745	0.773
$25,000	0.490	0.544	0.595	0.631	0.678	0.717	0.748
$30,000	0.456	0.511	0.563	0.600	0.650	0.691	0.725
$35,000	0.427	0.481	0.535	0.572	0.625	0.668	0.704
$40,000	0.402	0.455	0.509	0.546	0.602	0.646	0.685
$50,000	0.360	0.411	0.465	0.502	0.561	0.608	0.650
$75,000	0.286	0.333	0.385	0.421	0.483	0.532	0.577
$100,000	0.239	0.281	0.331	0.364	0.427	0.475	0.522
$125,000	0.205	0.244	0.292	0.323	0.385	0.432	0.479
$150,000	0.180	0.217	0.262	0.291	0.352	0.398	0.443
$175,000	0.161	0.195	0.238	0.265	0.326	0.370	0.414
$200,000	0.145	0.177	0.218	0.244	0.304	0.347	0.389
$225,000	0.132	0.162	0.202	0.226	0.285	0.327	0.368
$250,000	0.121	0.150	0.188	0.211	0.269	0.309	0.349
$275,000	0.112	0.139	0.176	0.199	0.255	0.294	0.333
$300,000	0.104	0.130	0.166	0.187	0.243	0.281	0.318
$325,000	0.097	0.122	0.157	0.177	0.232	0.269	0.305
$350,000	0.091	0.115	0.149	0.168	0.222	0.258	0.293
$375,000	0.086	0.109	0.142	0.161	0.213	0.248	0.283
$400,000	0.081	0.104	0.135	0.153	0.205	0.240	0.273
$425,000	0.077	0.099	0.130	0.147	0.198	0.231	0.264
$450,000	0.073	0.094	0.124	0.141	0.191	0.224	0.256
$475,000	0.070	0.090	0.120	0.136	0.185	0.217	0.248
$500,000	0.067	0.086	0.115	0.131	0.180	0.211	0.241
$600,000	0.057	0.074	0.101	0.114	0.160	0.189	0.216
$700,000	0.050	0.065	0.090	0.102	0.146	0.172	0.197
$800,000	0.044	0.059	0.081	0.092	0.134	0.159	0.182
$900,000	0.040	0.053	0.074	0.085	0.124	0.147	0.169
$1,000,000	0.036	0.049	0.069	0.078	0.116	0.138	0.158
$2,000,000	0.019	0.027	0.041	0.046	0.073	0.088	0.100
$3,000,000	0.013	0.019	0.030	0.034	0.054	0.066	0.075
$4,000,000	0.010	0.015	0.023	0.026	0.043	0.053	0.060
$5,000,000	0.008	0.012	0.019	0.022	0.036	0.044	0.050
$6,000,000	0.007	0.010	0.016	0.018	0.030	0.038	0.043
$7,000,000	0.005	0.008	0.013	0.015	0.026	0.032	0.037
$8,000,000	0.004	0.007	0.011	0.013	0.022	0.028	0.033
$9,000,000	0.004	0.006	0.010	0.011	0.019	0.025	0.029
$10,000,000	0.003	0.005	0.008	0.010	0.017	0.022	0.026

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Part 3   Supporting Exhibits

- Exhibit I: Determination of the Indicated Loss Cost Level Change

- Exhibit II: Workers Compensation Loss Adjustment Expenses

- Appendix A: Factors Underlying the Proposed Loss Cost Level Change

- Appendix B: Calculations Underlying the Loss Cost Change by Classification

- Appendix C: Memoranda for Laws and Assessments

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Exhibit I – Determination of the Indicated Loss Cost Level Change

NCCI analyzed the emerging experience of Missouri workers compensation policies in recent years. The primary focus of our analysis was on premiums and losses from the proposed experience period, as shown in the exhibits on the next few pages.

Determination of the Loss Base

In analyzing losses for the purpose of Aggregate Ratemaking, NCCI reviews both "paid" and "paid plus case" loss data, which are (i) the benefit amounts already paid by insurers on reported claims and (ii) the benefit amounts already paid by insurers on reported claims plus the amounts set aside to cover future payments on those claims.

During this year's analysis, which included an assessment of possible pandemic claim-related impacts, a combination of both paid and paid plus case data was selected to best reflect the conditions likely to prevail in the proposed effective period. This methodology makes the most use of the available financial data information and is consistent with prior filings made in Missouri.

Determination of the Experience Period

This year's analysis included a review of various experience periods and an assessment of possible pandemic claim-related impacts. The most recent five policy year and calendar-accident year projected loss ratios are shown below. Policy year data is given greater consideration by NCCI because policy year data reflects the best match between exposure and losses.

Policy Year	Loss Ratio	Calendar-Accident Year	Loss Ratio
2018	1.031	2019	1.016
2019	0.974	2020	0.937
2020	0.968	2021	0.948
2021	0.943	2022	0.989
2022	0.953	2023	0.886

Note the following regarding the projected loss ratios:

- *Based on NCCI's Financial Call data reported through 12/31/2023, on-leveled, developed to an ultimate report, and trended to the prospective period. Projected losses do not include the change in expenses and standard earned premium at Designated Statistical Reporting (DSR) level is adjusted to a pure premium level.*
- *The Calendar-Accident Year analysis was not conducted separately; the displayed loss ratios are trended using the policy year loss ratio selections underlying this filing.*
- *Calendar-Accident Year 2019–2023 loss ratios include a premium audit adjustment due to changes in audit activity primarily attributable to the COVID-19 pandemic-related recession.*

The Missouri loss ratio experience for the most recent policy years shows improvement compared to the recent history.

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Exhibit I – Determination of the Indicated Loss Cost Level Change

While some pandemic-related effects may be contributing to the favorable loss ratio experience observed in Policy Years 2019–2021, the impact appears to be relatively limited, and the favorable experience has sustained into Policy Year 2022. Upon a review of the calendar-accident year loss ratios, favorable experience continues to be observed in Calendar-Accident Years 2022 and 2023, which are further removed from the peak of the pandemic and therefore likely a good indicator that future improvement can be expected in Missouri. The relatively limited impact of pandemic-related effects in Missouri could be attributed to factors such as the state of the economy before and during the pandemic as well as the mix of business within the state not being materially affected. This notion is supported by the fact that Missouri's unemployment rate had recovered to pre-COVID-19 pandemic levels by the end of 2021.

Furthermore, the volume of large loss activity in the most recent policy years is consistent with the average level observed in historical periods. Additionally, the relatively less favorable experience observed in Policy Year 2018 is attributable in part to large losses, which are present in Policy Year 2022 at a similar level. Despite the notable volume of large losses in PY 2022, the statewide loss ratio remains favorable.

Call 31 Claims with Paid+Case Losses over 500K

Policy Year	Claim Counts	Unlimited Paid+Case	Accident Year	Claim Counts	Unlimited Paid+Case
2018	56	80.9M	2018	60	83.8M
2019	47	50.2M	2019	58	62.8M
2020	61	81.1M	2020	60	74.3M
2021	54	65.2M	2021	55	65.7M
2022	71	83.8M	2022	74	104.5M

Based on NCCI's Financial Call data reported through 12/31/2023; all years valued at 24 months

Data for the two most recently available full policy years was selected as the most appropriate experience period on which to base this year's filing. The selection provides a balance between stability and responsiveness and best reflects the conditions likely to prevail in the proposed effective period. This method is consistent with prior filings in Missouri.

Determination of the Indicated Change

NCCI utilizes the following general methodology to determine the indicated change based on experience, trend, and benefits for each of the policy years in the experience period:

1. Standard earned premium at Designated Statistical Reporting (DSR) level is developed to ultimate, on-leveled to the current loss cost level, and adjusted to a pure premium level.
2. Reported indemnity and medical losses are limited by a large loss threshold, developed to ultimate using limited development factors, and on-leveled to a common benefit level to yield adjusted limited losses.

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Exhibit I – Determination of the Indicated Loss Cost Level Change

3. Limited indemnity and medical cost ratios excluding trend and benefits are calculated as adjusted losses (step 2) divided by premium available for benefit costs (step 1).
4. Trend factors are applied to the indemnity and medical cost ratios to reflect expected differences between the historical experience years and the effective period of the proposed filing.
5. Limited losses are adjusted to an unlimited basis via a non-catastrophe excess ratio (with excess ratios at limits beyond $50 million set equal to zero).
6. A factor is applied to reflect the impact of proposed indemnity and medical benefit changes.
7. The projected unlimited indemnity and medical cost ratios including benefit changes are added to yield the indicated change based on experience, trend, and benefits.

The indicated change based on experience, trend, and benefits for this filing is calculated as the average of the indicated changes for each of the individual policy years in the experience period. The Factor to Reflect the Inclusion of Assigned Risk Experience is applied to the indicated loss cost level change based on experience, trend, and benefits. Lastly, the impact of the change in loss-based expenses is applied.

The detailed calculations can be found on the following pages.

EXHIBIT I

Determination of Indicated Loss Cost Level Change

Section A - Policy Year 2022 Experience

Premium:

(1)	Standard Earned Premium Developed to Ultimate (Appendix A-II)	$699,403,228
(2)	Premium On-level Factor (Appendix A-I)	0.720
(3)	Pure Premium Available for Benefit Costs = (1) x (2)	$503,570,324

Indemnity Benefit Cost:

(4)	Limited Indemnity Losses Developed to Ultimate (Appendix A-II)	$222,683,021
(5)	Indemnity Loss On-level Factor (Appendix A-I)	1.000
(6)	Adjusted Limited Indemnity Losses = (4) x (5)	$222,683,021
(7)	Adjusted Limited Indemnity Cost Ratio excluding Trend and Benefits = (6) / (3)	0.442
(8)	Factor to Reflect Indemnity Trend (Appendix A-III)	0.899
(9)	Projected Limited Indemnity Cost Ratio = (7) x (8)	0.397
(10)	Factor to Adjust Indemnity Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012
(11)	Projected Indemnity Cost Ratio = (9) x (10)	0.402
(12)	Factor to Reflect Proposed Changes in Indemnity Benefits (Appendix C)	1.000
(13)	Projected Indemnity Cost Ratio including Benefit Changes = (11) x (12)	0.402

Medical Benefit Cost:

(14)	Limited Medical Losses Developed to Ultimate (Appendix A-II)	$300,103,021
(15)	Medical Loss On-level Factor (Appendix A-I)	1.000
(16)	Adjusted Limited Medical Losses = (14) x (15)	$300,103,021
(17)	Adjusted Limited Medical Cost Ratio excluding Trend and Benefits = (16) / (3)	0.596
(18)	Factor to Reflect Medical Trend (Appendix A-III)	0.913
(19)	Projected Limited Medical Cost Ratio = (17) x (18)	0.544
(20)	Factor to Adjust Medical Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012
(21)	Projected Medical Cost Ratio = (19) x (20)	0.551
(22)	Factor to Reflect Proposed Changes in Medical Benefits (Appendix C)	1.000
(23)	Projected Medical Cost Ratio including Benefit Changes = (21) x (22)	0.551

Total Benefit Cost:

(24)	Indicated Change Based on Experience, Trend and Benefits = (13) + (23)	0.953

EXHIBIT I

Determination of Indicated Loss Cost Level Change

Section B - Policy Year 2021 Experience

Premium:

(1)	Standard Earned Premium Developed to Ultimate (Appendix A-II)	$699,191,746
(2)	Premium On-level Factor (Appendix A-I)	0.665
(3)	Pure Premium Available for Benefit Costs = (1) x (2)	$464,962,511

Indemnity Benefit Cost:

(4)	Limited Indemnity Losses Developed to Ultimate (Appendix A-II)	$210,710,994
(5)	Indemnity Loss On-level Factor (Appendix A-I)	1.000
(6)	Adjusted Limited Indemnity Losses = (4) x (5)	$210,710,994
(7)	Adjusted Limited Indemnity Cost Ratio excluding Trend and Benefits = (6) / (3)	0.453
(8)	Factor to Reflect Indemnity Trend (Appendix A-III)	0.867
(9)	Projected Limited Indemnity Cost Ratio = (7) x (8)	0.393
(10)	Factor to Adjust Indemnity Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012
(11)	Projected Indemnity Cost Ratio = (9) x (10)	0.398
(12)	Factor to Reflect Proposed Changes in Indemnity Benefits (Appendix C)	1.000
(13)	Projected Indemnity Cost Ratio including Benefit Changes = (11) x (12)	0.398

Medical Benefit Cost:

(14)	Limited Medical Losses Developed to Ultimate (Appendix A-II)	$282,976,964
(15)	Medical Loss On-level Factor (Appendix A-I)	1.000
(16)	Adjusted Limited Medical Losses = (14) x (15)	$282,976,964
(17)	Adjusted Limited Medical Cost Ratio excluding Trend and Benefits = (16) / (3)	0.609
(18)	Factor to Reflect Medical Trend (Appendix A-III)	0.885
(19)	Projected Limited Medical Cost Ratio = (17) x (18)	0.539
(20)	Factor to Adjust Medical Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012
(21)	Projected Medical Cost Ratio = (19) x (20)	0.545
(22)	Factor to Reflect Proposed Changes in Medical Benefits (Appendix C)	1.000
(23)	Projected Medical Cost Ratio including Benefit Changes = (21) x (22)	0.545

Total Benefit Cost:

(24)	Indicated Change Based on Experience, Trend and Benefits = (13) + (23)	0.943

EXHIBIT I

Determination of Indicated Loss Cost Level Change

Section C - Indicated Change Based on Experience, Trend, and Benefits

(1) Policy Year 2022 Indicated Change Based on Experience, Trend, and Benefits   0.953

(2) Policy Year 2021 Indicated Change Based on Experience, Trend, and Benefits   0.943

(3) Indicated Change Based on Experience, Trend, and Benefits*   0.948
= (1) x 50.0% + (2) x 50.0%

* The weight applied to each loss ratio in the experience period does not vary by year.

Section D - Factor to Reflect the Inclusion of Assigned Risk Experience

(1) Indicated Change Based on Experience, Trend, and Benefits   0.948

(2) Factor to Reflect the Inclusion of Assigned Risk Experience   0.993

(3) Indicated Change Modified to Reflect the Inclusion of Assigned Risk Experience = (1) x (2)   0.941

Section E - Application of the Change in Loss-based Expenses

(1) Indicated Loss Cost Level Change   0.941

(2) Effect of the Change in Loss-based Expenses (Exhibit II)   1.006

(3) Indicated Change Modified to Reflect the Change in Loss-based Expenses = (1) x (2)   0.947

Section F - Distribution of Overall Loss Cost Level Change to Industry Groups

Industry Group Differentials (Appendix A-IV):

Manufacturing	1.022
Contracting	0.991
Office & Clerical	0.984
Goods & Services	1.000
Miscellaneous	0.999

Applying these industry group differentials to the final overall loss cost level change produces the changes in loss cost level proposed for each group as shown:

Industry Group	(1) Final Overall Loss Cost Level Change	(2) Industry Group Differential	(3) = (1) x (2) Final Loss Cost Level Change by Industry Group	
Manufacturing	0.947	1.022	0.968	(-3.2%)
Contracting	0.947	0.991	0.938	(-6.2%)
Office & Clerical	0.947	0.984	0.932	(-6.8%)
Goods & Services	0.947	1.000	0.947	(-5.3%)
Miscellaneous	0.947	0.999	0.946	(-5.4%)
Overall	0.947	1.000	0.947	(-5.3%)

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Exhibit II – Workers Compensation Loss Adjustment Expenses

The proposed loss costs include a provision for loss adjustment expenses (LAE).

LAE is included in the loss costs by using a ratio of loss adjustment expense dollars to loss dollars (called the "LAE provision"). These expenses are directly associated with the handling of workers compensation claims. The LAE provision is comprised of two components: Adjusting and Other Expenses (AOE) and Defense and Cost Containment Expenses (DCCE).

Given the nature of AOE, it cannot be allocated to a specific claim, and hence cannot be accurately attributed to specific states. Therefore, the state-specific AOE ratio reflects a weighting of the latest selected countrywide AOE provision (which was calculated based on private carrier data) and an AOE provision calculated based on the state fund's data. The countrywide provision was calculated using data obtained from the NCCI Call for Loss Adjustment Expense. The accident year developed AOE ratios are calculated on a countrywide basis using private carrier-only data after applying an adjustment to exclude the percentage of COVID-19-related losses relative to total losses for COVID-19 claims with accident dates between December 1, 2019 and June 30, 2023.

The reported DCCE and losses from COVID-19-related claims with accident dates between December 1, 2019 and June 30, 2023 have been excluded from the underlying data in this year's analysis to better reflect the conditions likely to prevail in the proposed effective period. NCCI used the following general methodology to determine the proposed DCCE provision based on Missouri-specific paid DCCE and losses obtained from NCCI's Call for Policy Year Data:

- Ratios of reported paid DCCE-to-paid losses by policy year are developed to a 19th report using DCCE ratio development factors.
- A 19th-to-ultimate tail factor is applied to reflect expected development beyond a 19th report.
- The proposed DCCE provision is selected based on the ultimate projected DCCE ratios by policy year.

These policy year DCCE ratios were calculated using combined private carrier and state fund data.

The calculation of the loss adjustment expense provision is shown on the following page.

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EXHIBIT II

Workers Compensation Loss Adjustment Expense Provision

Section A - Determination of Loss Adjustment Expense Provision

In this filing, NCCI proposes a 21.0% loss adjustment expense allowance as a percentage of losses.
The DCCE provision is based on Missouri-specific data reported to NCCI on the Policy Year Call for Experience.
The AOE provision is based on data reported to NCCI on the Call for Loss Adjustment Expense.

Policy Year	Developed DCCE Ratio	Accident Year	Developed AOE Ratio		
2018	10.2%	2019	9.6%		
2019	10.1%	2020	10.2%		
2020	10.3%	2021	9.9%		
2021	10.6%	2022	9.7%		
2022	10.8%	2023	9.9%		
Countrywide selected:			9.8%		
Missouri selected:	10.4%	+	10.6%	=	**21.0%**

Section B - Defense and Cost Containment Expense (DCCE) Ratio

(1)	(2)	(3)	(4) = (2) x (3)
Policy Year	Reported Ratio of Paid DCCE to Paid Losses	Age-to-Ultimate Development Factor	Ultimate DCCE Ratio
2018	10.4%	0.976	10.2%
2019	10.3%	0.983	10.1%
2020	10.3%	0.998	10.3%
2021	10.4%	1.020	10.6%
2022	9.8%	1.099	10.8%
	Missouri selected:		10.4%

Section C - Proposed Change in the Missouri Loss Adjustment Expense (LAE) Provision

	(5) Current	(6) Proposed
Missouri LAE Provision	20.3%	21.0%
Proposed Change in LAE Provision = [1.000 + (6)] / [1.000 + (5)] - 1		1.006 (+0.6%)

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Appendix A – Factors Underlying the Proposed Loss Cost Level Change

Appendix A-I Determination of Policy Year On-level Factors

NCCI uses premium and loss on-level factors to adjust historical policy year experience to current loss cost and benefit levels, respectively.

Premium on-level factors capture the difference between the average premium level for the year being on-leveled and the present premium level. The average premium level for the year being on-leveled is calculated using a weighted average based on a monthly premium distribution derived from Missouri Unit Statistical Plan data. The following adjustments are applied as part of the premium on-level factor calculation:

- Adjustment for Expense Removal: This factor is applied to remove loss adjustment expenses from the reported voluntary DSR level premium totals.

- Experience Rating Off-Balance Adjustment Factor: This factor reflects the relative difference between the average experience rating modification for the historical year being on-leveled and the average experience rating modification expected during the proposed filing effective period. Additional details on this adjustment factor are provided in the sub-section below.

Loss on-level factors are adjustment factors that reflect the cumulative impact of all benefit level changes that have occurred during and after the individual year of data being on-leveled.

Note: For NCCI ratemaking purposes, proposed benefit level changes that (i) do not impact the experience period of the filing and (ii) have not yet been reflected in previous filings are included in Exhibit I, rather than in the loss on-level calculation.

Experience Rating Off-Balance Adjustment Factor

The term "off-balance" refers to the average experience rating modification factor (E-mod) across all employers for a given time period. Historical off-balance values are calculated as a weighted average—using expected losses as weights—of the following:

- E-mods for intrastate rated employers
- E-mods for interstate rated employers
- A unity factor for all non-rated employers

NCCI reviews changes in each state's average off-balance annually. The historical data review combined with the experience rating parameters included in the previous filing provide all necessary information to adjust historical premiums to reflect any changes in the off-balance values over time. Specifically, the premiums in the financial data experience period are adjusted

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Appendix A – Factors Underlying the Proposed Loss Cost Level Change

to the off-balance expected in the proposed filing period. This adjustment can be seen in the premium on-level adjustment factors provided in Appendix A-I.

The key components used to estimate the off-balance for the proposed filing include:

- A targeted average E-mod of 0.960 for intrastate rated employers is used to estimate the off-balance. A targeted average intrastate E-mod slightly below unity is desirable because employers who qualify for experience rating typically have better loss experience, on average, than non-rated employers. The impact of NCCI's off-balance adjustment is premium-neutral on a statewide basis while promoting loss cost adequacy for non-rated employers.

- An average interstate E-mod is used to estimate the off-balance. The average interstate E-mod is estimated based on experience rating data for interstate rated employers compiled within the most recent twelve months. Unlike intrastate rated employers, interstate employers have exposure in multiple states, where each state's data and underlying experience rating parameters are used to determine the employer's interstate E-mod. Because E-mods for interstate employers are influenced by experience rating values for multiple states, NCCI's standard approach is to assume that the average interstate E-mod during the proposed filing period is best approximated by the average interstate E-mod observed over the most recent twelve months of experience rating data available at the time of the analysis.

APPENDIX A-I

Determination of Policy Year On-level Factors

Section A - Factor Adjusting 2022 Policy Year Premium to Present Level

	Date	(1) Loss Cost Level Change	(2) Cumulative Index	(3) Weight	(4) Product (2)x(3)	(5) Adj. Factor Present Index/ Sum Column (4)	(6) Adj. For Expense Removal	(7) Off-balance Adjustment Factor*	(8) Premium Adjustment Factor (5)x(6)x(7)
NR	01/01/22	Base	1.000	1.000	1.000	0.866	0.831	1.000	0.720
NR	01/01/23	0.936	0.936						
NR	01/01/24	0.925	0.866		1.000				

Section B - Factor Adjusting 2022 Policy Year Indemnity Losses to Present Benefit Level

Date	(1) Benefit Level Change	(2) Cumulative Index	(3) Weight	(4) Product (2)x(3)	(5) Adj. Factor Present Index/ Sum Column (4)
01/01/14	Base	1.000	1.000	1.000	1.000
				1.000	

Section C - Factor Adjusting 2022 Policy Year Medical Losses to Present Benefit Level

Date	(1) Benefit Level Change	(2) Cumulative Index	(3) Weight	(4) Product (2)x(3)	(5) Adj. Factor Present Index/ Sum Column (4)
01/01/14	Base	1.000	1.000	1.000	1.000
				1.000	

NR New and renewal business.
 * 1.000 = 0.943 / 0.943 = (Targeted Off-balance) / (Off-balance for Policy Year 2022)

APPENDIX A-I

Determination of Policy Year On-level Factors

Section D - Factor Adjusting 2021 Policy Year Premium to Present Level

	Date	(1) Loss Cost Level Change	(2) Cumulative Index	(3) Weight	(4) Product (2)x(3)	(5) Adj. Factor Present Index/ Sum Column (4)	(6) Adj. For Expense Removal	(7) Off-balance Adjustment Factor*	(8) Premium Adjustment Factor (5)x(6)x(7)
NR	01/01/21	Base	1.000	1.000	1.000	0.799	0.831	1.001	0.665
NR	01/01/22	0.923	0.923						
NR	01/01/23	0.936	0.864						
NR	01/01/24	0.925	0.799			1.000			

Section E - Factor Adjusting 2021 Policy Year Indemnity Losses to Present Benefit Level

Date	(1) Benefit Level Change	(2) Cumulative Index	(3) Weight	(4) Product (2)x(3)	(5) Adj. Factor Present Index/ Sum Column (4)
01/01/14	Base	1.000	1.000	1.000	1.000
				1.000	

Section F - Factor Adjusting 2021 Policy Year Medical Losses to Present Benefit Level

Date	(1) Benefit Level Change	(2) Cumulative Index	(3) Weight	(4) Product (2)x(3)	(5) Adj. Factor Present Index/ Sum Column (4)
01/01/14	Base	1.000	1.000	1.000	1.000
				1.000	

NR New and renewal business.
  *   1.001 = 0.943 / 0.942 = (Targeted Off-balance) / (Off-balance for Policy Year 2021)

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Appendix A – Factors Underlying the Proposed Loss Cost Level Change

Appendix A-II Determination of Premium and Losses Developed to an Ultimate Report

Development factors are used to project premium and limited losses to an ultimate report. In general, the ultimate development factors are based on a chain-ladder approach that utilizes average link ratios for several maturities and the application of a tail factor, as shown on the following pages.

Limited Large Loss Methodology

In order to limit volatility on the loss cost indications due to the impact of extraordinary large losses, a limited large loss methodology is used in Missouri. A base threshold for the large loss limitation is determined by the volume of premium in the state as well as the number of years used in the experience period. It is calculated as one percent of the total volume of premium from the state's experience period underlying the previous filing. The base threshold is then detrended by policy year to reflect the inflationary impact on claim costs due to wage inflation. The wage index used as a basis for these calculations is the Missouri average weekly wages from the Quarterly Census of Employment and Wages (QCEW). Detrended thresholds are used in the experience period, trend period, and loss development period. Indemnity and medical losses are limited at the detrended large loss threshold corresponding to their policy year.

After developing limited indemnity and medical losses to an ultimate report, a statewide, non-catastrophe excess ratio at the base threshold is used to adjust the limited losses to an unlimited basis. The excess ratios are non-catastrophe because excess ratios at limits beyond $50 million are set equal to zero. The excess ratio is derived from Missouri's Retrospective Rating Plan Parameters.

Premium Development

Premium at an ultimate report is estimated by incorporating a review of historical patterns of premium development over time—primarily due to payroll audits. For premium development, link ratios are used from 1st report through 5th report. It is assumed that no further development occurs after the 5th report.

In this filing, a three-year average of historical premium development factors was selected to strike a balance between responsiveness to recently observed changes and maintaining stability in the selected development factors from one filing to the next.

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Appendix A – Factors Underlying the Proposed Loss Cost Level Change

Loss Development

Loss development factors are needed since total paid losses and case reserve estimates on a given claim change over time until the claim is finally closed. For indemnity and medical loss development, link ratios calculated from limited losses are used from 1st through 19th report. For indemnity and medical loss development past the 19th report, a 19th-to-ultimate "tail" factor is used to reflect all future expected emergence. The loss development factors are calculated based on how paid losses and case reserve estimates change over time for claims in older years.

The graphs below display the age-to-19th cumulative loss development factors over the last ten valuations.
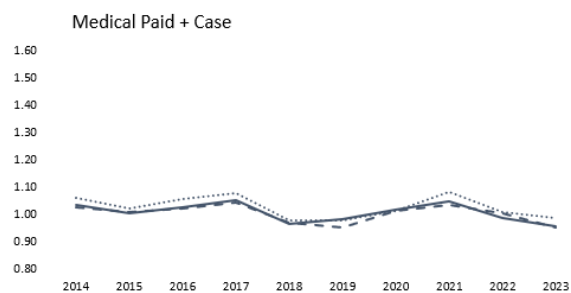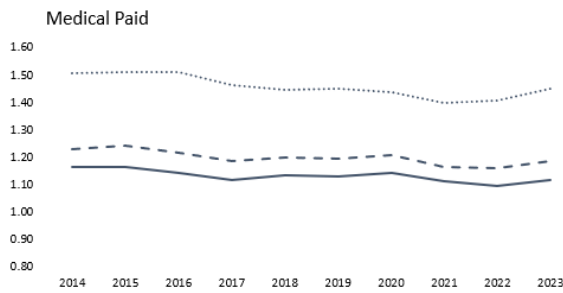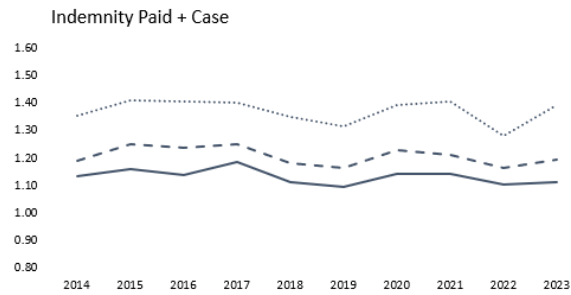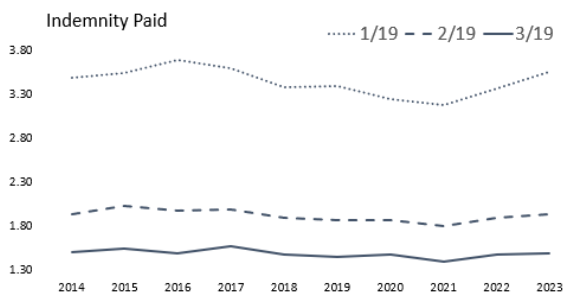
The specific loss development link ratio selections underlying this filing are shown below:

- A three-year average of historical paid loss development factors through a 19th report
- A five-year average of historical paid plus case loss development factors through a 19th report

The development factor selections were made to strike a balance between responsiveness to recently observed changes and maintaining stability in the selected development factors from one filing to the next. As can be seen in the graphs above, development factors in the latest valuation are increasing for both indemnity and medical paid losses. Additionally, volatility has

been observed in the indemnity paid development factors, which decreased across two valuations before increasing across two valuations. To limit the influence of such volatility—which may not be predictive—a three-year development average was selected for paid loss development in this year's filing. This is a change from the two-year development average selected for paid loss development in last year's filing. The indemnity and medical paid plus case development factors are generally consistent with those from historical periods and show no clear deviation from historical values. Therefore, there was no change in the selected five-year development average for paid plus case losses compared to the previous filing.

19th-to-Ultimate Tail Factor

Tail factors are calculated separately for indemnity and medical unlimited losses by comparing the changes in the volume of policy year losses that occur on policy years reported after a nineteenth report to the volume of policy year losses at the nineteenth report. To adjust for these differences in the volume of losses between policy years, a growth adjustment factor is applied. The tail factors are brought from an unlimited basis to a limited basis through the application of a tail adjustment factor, which is based on countrywide data and the state-specific large loss threshold.

The 19th-to-ultimate tail factor in Missouri is calculated on a paid plus case basis. Both the indemnity and medical tail factors utilize all available experience for the years prior to the tail attachment point and are calculated for the most recent ten available policy years. Loss development paid plus case tail factors from a nineteenth report to ultimate were judgmentally selected in this filing based on a review of the ten most recently available factors. Additionally, the medical tail factor selection contemplates the difference resulting from the standard countrywide limiting adjustment described above and the application of Missouri-specific large loss thresholds where possible.

Paid plus case data is used in the calculation of 19th-to-ultimate loss development factors since it is most reflective of the expected ultimate losses. Since this filing utilizes both paid and paid plus case data, the selected paid plus case loss development tail factors are converted to a paid basis using paid-to-paid plus case conversion ratios. Both the indemnity and medical paid-to-paid plus case conversion ratios were selected based on a review of historical conversion ratios, but also consider the conversion ratios for the underlying experience period at early reports.

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section A - Premium and Loss Summary Valued as of 12/31/2023

Policy Year 2022

(1)	Standard Earned Premium	$689,746,773
(2)	Factor to Develop Premium to Ultimate	1.014
(3)	Standard Earned Premium Developed to Ultimate = (1)x(2)	$699,403,228
(4)	Limited Indemnity Paid Losses	$64,184,347
(5)	Limited Indemnity Paid Development Factor to Ultimate	3.477
(6)	Limited Indemnity Paid Losses Developed to Ultimate = (4)x(5)	$223,168,975
(7)	Limited Indemnity Paid+Case Losses	$163,260,151
(8)	Limited Indemnity Paid+Case Development Factor to Ultimate	1.361
(9)	Limited Indemnity Paid+Case Losses Developed to Ultimate = (7)x(8)	$222,197,066
(10)	Policy Year 2022 Limited Indemnity Losses Developed to Ultimate = [(6)+(9)]/2	$222,683,021
(11)	Limited Medical Paid Losses	$203,352,316
(12)	Limited Medical Paid Development Factor to Ultimate	1.481
(13)	Limited Medical Paid Losses Developed to Ultimate = (11)x(12)	$301,164,780
(14)	Limited Medical Paid+Case Losses	$290,613,470
(15)	Limited Medical Paid+Case Development Factor to Ultimate	1.029
(16)	Limited Medical Paid+Case Losses Developed to Ultimate = (14)x(15)	$299,041,261
(17)	Policy Year 2022 Limited Medical Losses Developed to Ultimate = [(13)+(16)]/2	$300,103,021

Policy Year 2021

(1)	Standard Earned Premium	$699,891,638
(2)	Factor to Develop Premium to Ultimate	0.999
(3)	Standard Earned Premium Developed to Ultimate = (1)x(2)	$699,191,746
(4)	Limited Indemnity Paid Losses	$107,579,342
(5)	Limited Indemnity Paid Development Factor to Ultimate	1.936
(6)	Limited Indemnity Paid Losses Developed to Ultimate = (4)x(5)	$208,273,606
(7)	Limited Indemnity Paid+Case Losses	$178,068,824
(8)	Limited Indemnity Paid+Case Development Factor to Ultimate	1.197
(9)	Limited Indemnity Paid+Case Losses Developed to Ultimate = (7)x(8)	$213,148,382
(10)	Policy Year 2021 Limited Indemnity Losses Developed to Ultimate = [(6)+(9)]/2	$210,710,994
(11)	Limited Medical Paid Losses	$231,798,416
(12)	Limited Medical Paid Development Factor to Ultimate	1.221
(13)	Limited Medical Paid Losses Developed to Ultimate = (11)x(12)	$283,025,866
(14)	Limited Medical Paid+Case Losses	$281,520,459
(15)	Limited Medical Paid+Case Development Factor to Ultimate	1.005
(16)	Limited Medical Paid+Case Losses Developed to Ultimate = (14)x(15)	$282,928,061
(17)	Policy Year 2021 Limited Medical Losses Developed to Ultimate = [(13)+(16)]/2	$282,976,964

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section B - Premium Development Factors

Policy Year	1st/2nd	Policy Year	2nd/3rd	Policy Year	3rd/4th	Policy Year	4th/5th
2019	1.009	2018	1.000	2017	1.000	2016	0.999
2020	1.014	2019	0.999	2018	0.999	2017	1.000
2021	1.023	2020	0.998	2019	1.000	2018	1.000
Average	1.015	Average	0.999	Average	1.000	Average	1.000

Summary of Premium Development Factors

1st/5th	2nd/5th	3rd/5th	4th/5th
1.014	0.999	1.000	1.000

Section C - Limited Indemnity Paid Loss Development Factors

Policy Year	1st/2nd	Policy Year	2nd/3rd	Policy Year	3rd/4th	Policy Year	4th/5th
2019	1.771	2018	1.284	2017	1.114	2016	1.066
2020	1.784	2019	1.276	2018	1.138	2017	1.085
2021	1.833	2020	1.300	2019	1.139	2018	1.080
Average	1.796	Average	1.287	Average	1.130	Average	1.077

Policy Year	5th/6th	Policy Year	6th/7th	Policy Year	7th/8th	Policy Year	8th/9th
2015	1.047	2014	1.026	2013	1.024	2012	1.015
2016	1.057	2015	1.026	2014	1.035	2013	1.015
2017	1.057	2016	1.043	2015	1.025	2014	1.016
Average	1.054	Average	1.032	Average	1.028	Average	1.015

Policy Year	9th/10th	Policy Year	10th/11th	Policy Year	11th/12th	Policy Year	12th/13th
2011	1.009	2010	1.006	2009	1.006	2008	1.009
2012	1.007	2011	1.005	2010	1.010	2009	1.002
2013	1.009	2012	1.008	2011	1.005	2010	1.004
Average	1.008	Average	1.006	Average	1.007	Average	1.005

Policy Year	13th/14th	Policy Year	14th/15th	Policy Year	15th/16th	Policy Year	16th/17th
2007	1.006	2006	1.003	2005	1.003	2004	1.004
2008	1.004	2007	1.007	2006	1.005	2005	1.004
2009	1.003	2008	1.005	2007	1.005	2006	1.007
Average	1.004	Average	1.005	Average	1.004	Average	1.005

Policy Year	17th/18th	Policy Year	18th/19th
2003	1.005	2002	1.002
2004	1.004	2003	1.002
2005	1.003	2004	1.006
Average	1.004	Average	1.003

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section D - Limited Medical Paid Loss Development Factors

Policy Year	1st/2nd	Policy Year	2nd/3rd	Policy Year	3rd/4th	Policy Year	4th/5th
2019	1.202	2018	1.047	2017	1.025	2016	1.011
2020	1.215	2019	1.056	2018	1.019	2017	1.019
2021	1.221	2020	1.063	2019	1.025	2018	1.014
Average	1.213	Average	1.055	Average	1.023	Average	1.015

Policy Year	5th/6th	Policy Year	6th/7th	Policy Year	7th/8th	Policy Year	8th/9th
2015	1.013	2014	1.010	2013	1.008	2012	1.006
2016	1.007	2015	1.009	2014	1.009	2013	1.005
2017	1.018	2016	1.007	2015	1.008	2014	1.009
Average	1.013	Average	1.009	Average	1.008	Average	1.007

Policy Year	9th/10th	Policy Year	10th/11th	Policy Year	11th/12th	Policy Year	12th/13th
2011	1.003	2010	1.003	2009	1.001	2008	1.004
2012	1.004	2011	1.001	2010	1.002	2009	1.000
2013	1.005	2012	1.002	2011	1.003	2010	1.003
Average	1.004	Average	1.002	Average	1.002	Average	1.002

Policy Year	13th/14th	Policy Year	14th/15th	Policy Year	15th/16th	Policy Year	16th/17th
2007	1.002	2006	1.002	2005	1.004	2004	1.003
2008	1.004	2007	1.001	2006	1.002	2005	1.004
2009	1.000	2008	1.004	2007	1.002	2006	1.004
Average	1.002	Average	1.002	Average	1.003	Average	1.004

Policy Year	17th/18th	Policy Year	18th/19th
2003	1.005	2002	1.004
2004	1.003	2003	1.003
2005	1.003	2004	1.003
Average	1.004	Average	1.003

Determination of Premium and Losses Developed to an Ultimate Report

Section E - Limited Indemnity Paid + Case Loss Development Factors

Policy Year	1st/2nd	Policy Year	2nd/3rd	Policy Year	3rd/4th	Policy Year	4th/5th
2017	1.127	2016	1.063	2015	1.034	2014	1.028
2018	1.133	2017	1.075	2016	1.059	2015	1.021
2019	1.161	2018	1.062	2017	1.033	2016	1.025
2020	1.098	2019	1.054	2018	1.027	2017	1.035
2021	1.166	2020	1.073	2019	1.054	2018	1.022
Average	1.137	Average	1.065	Average	1.041	Average	1.026

Policy Year	5th/6th	Policy Year	6th/7th	Policy Year	7th/8th	Policy Year	8th/9th
2013	1.002	2012	1.009	2011	1.002	2010	1.000
2014	1.024	2013	1.012	2012	1.004	2011	0.997
2015	1.023	2014	1.028	2013	1.008	2012	1.003
2016	1.014	2015	1.011	2014	1.002	2013	0.997
2017	1.011	2016	1.002	2015	1.004	2014	1.000
Average	1.015	Average	1.012	Average	1.004	Average	0.999

Policy Year	9th/10th	Policy Year	10th/11th	Policy Year	11th/12th	Policy Year	12th/13th
2009	1.004	2008	1.002	2007	1.002	2006	1.002
2010	0.995	2009	0.999	2008	1.000	2007	1.002
2011	1.005	2010	1.002	2009	0.998	2008	0.998
2012	1.003	2011	1.004	2010	0.997	2009	0.998
2013	1.004	2012	1.004	2011	0.999	2010	1.001
Average	1.002	Average	1.002	Average	0.999	Average	1.000

Policy Year	13th/14th	Policy Year	14th/15th	Policy Year	15th/16th	Policy Year	16th/17th
2005	1.002	2004	1.002	2003	1.001	2002	1.001
2006	1.010	2005	1.002	2004	1.002	2003	1.004
2007	1.000	2006	0.999	2005	1.006	2004	1.000
2008	1.005	2007	1.005	2006	1.002	2005	0.999
2009	0.999	2008	1.001	2007	1.002	2006	1.004
Average	1.003	Average	1.002	Average	1.003	Average	1.002

Policy Year	17th/18th	Policy Year	18th/19th
2001	0.999	2000	1.001
2002	1.001	2001	1.002
2003	1.004	2002	1.000
2004	1.001	2003	1.000
2005	0.998	2004	1.002
Average	1.001	Average	1.001

Section F - Limited Medical Paid + Case Loss Development Factors

Policy Year	1st/2nd	Policy Year	2nd/3rd	Policy Year	3rd/4th	Policy Year	4th/5th
2017	1.027	2016	0.971	2015	1.008	2014	1.008
2018	1.002	2017	0.994	2016	1.003	2015	1.002
2019	1.044	2018	0.989	2017	1.014	2016	1.004
2020	1.007	2019	1.016	2018	0.997	2017	1.000
2021	1.038	2020	0.993	2019	1.013	2018	0.984
Average	1.024	Average	0.993	Average	1.007	Average	1.000

Policy Year	5th/6th	Policy Year	6th/7th	Policy Year	7th/8th	Policy Year	8th/9th
2013	0.981	2012	0.995	2011	1.006	2010	0.998
2014	1.004	2013	1.004	2012	1.003	2011	0.993
2015	1.015	2014	1.007	2013	1.020	2012	0.998
2016	0.995	2015	0.999	2014	0.998	2013	0.994
2017	0.990	2016	0.993	2015	0.993	2014	1.004
Average	0.997	Average	1.000	Average	1.004	Average	0.997

Policy Year	9th/10th	Policy Year	10th/11th	Policy Year	11th/12th	Policy Year	12th/13th
2009	0.997	2008	0.984	2007	1.001	2006	1.003
2010	1.003	2009	0.989	2008	1.001	2007	0.999
2011	0.999	2010	1.000	2009	0.999	2008	0.998
2012	1.002	2011	0.999	2010	1.001	2009	0.998
2013	0.998	2012	0.996	2011	0.993	2010	0.996
Average	1.000	Average	0.994	Average	0.999	Average	0.999

Policy Year	13th/14th	Policy Year	14th/15th	Policy Year	15th/16th	Policy Year	16th/17th
2005	1.000	2004	0.997	2003	1.001	2002	1.002
2006	1.005	2005	0.999	2004	0.997	2003	1.002
2007	0.998	2006	1.001	2005	0.989	2004	1.000
2008	1.001	2007	0.998	2006	1.002	2005	1.000
2009	1.000	2008	0.997	2007	1.000	2006	1.003
Average	1.001	Average	0.998	Average	0.998	Average	1.001

Policy Year	17th/18th	Policy Year	18th/19th
2001	0.996	2000	1.003
2002	1.011	2001	1.002
2003	1.001	2002	1.004
2004	0.997	2003	1.004
2005	0.998	2004	0.998
Average	1.001	Average	1.002

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section G - Determination of Policy Year Loss Development Factors (19th-to-Ultimate Report)

Indemnity Paid+Case Data for Matching Companies

(1)	(2)	(3)	(4)	(5)	(6)	(7)
					Factor to	Indicated
Policy	Losses for Policy Year		Losses for All Prior Policy Years		Adjust Losses	19th-to-Ult Development
Year	19th Report	20th Report	Previous	Current	for Prior Policy Years	for Policy Year
1994	163,726,551	163,870,863	2,566,044,372	2,568,255,311	1.098	1.013
1995	141,313,490	141,545,426	2,727,688,854	2,729,411,452	1.309	1.011
1996	147,966,426	148,885,395	2,870,127,732	2,872,050,605	1.256	1.017
1997	154,311,500	154,746,190	3,017,195,817	3,016,590,277	1.201	1.000
1998	182,540,288	182,664,069	3,169,160,582	3,171,144,364	1.008	1.011
1999	178,274,607	178,699,133	3,218,869,043	3,221,131,468	0.987	1.015
2000	186,670,607	186,822,793	3,254,882,983	3,256,371,614	0.913	1.010
2001	197,160,321	196,820,323	3,593,453,410	3,595,717,434	0.869	1.011
2002	182,595,369	182,723,355	3,792,494,229	3,795,428,809	0.903	1.018
2003	196,916,243	197,030,881	3,978,152,164	3,979,162,855	0.803	1.007

Selected Indemnity 19th-to-Ultimate Loss Development Factor   1.010

Medical Paid+Case Data for Matching Companies

(8)	(9)	(10)	(11)	(12)	(13)	(14)
					Factor to	Indicated
Policy	Losses for Policy Year		Losses for All Prior Policy Years		Adjust Losses	19th-to-Ult Development
Year	19th Report	20th Report	Previous	Current	for Prior Policy Years	for Policy Year
1994	151,270,232	149,612,389	1,915,056,614	1,916,008,300	0.935	0.996
1995	134,266,425	134,657,354	2,061,176,436	2,065,782,021	1.111	1.034
1996	128,546,172	128,496,716	2,199,686,714	2,200,950,027	1.194	1.008
1997	152,933,798	153,607,274	2,327,361,810	2,327,688,399	1.021	1.006
1998	156,288,073	155,917,719	2,480,377,273	2,483,028,345	1.011	1.014
1999	162,855,364	162,873,779	2,532,868,394	2,541,678,128	0.946	1.057
2000	176,217,899	175,902,987	2,578,710,212	2,587,101,774	0.849	1.054
2001	177,446,442	177,588,476	2,889,012,924	2,898,701,253	0.868	1.064
2002	176,655,270	177,348,120	3,076,232,244	3,076,506,784	0.829	1.006
2003	196,101,655	196,235,892	3,253,854,904	3,258,821,238	0.745	1.035

Selected Medical 19th-to-Ultimate Loss Development Factor   1.020*

*As shown in Section H line (2), NCCI's standard methodology involves the application of a factor to adjust the 19th-to-ultimate development factor to a limited basis, which is based on an analysis involving countrywide losses. The selected medical 19th-to-ultimate development factor in Section G reflects a review of how Missouri-specific large loss data in excess of the limiting threshold impacts the values shown in Section G column (14).

(7) = 1 + [(3) - (2) + ((5) - (4)) / (6)] / (2)
(14) = 1 + [(10) - (9) + ((12) - (11)) / (13)] / (9)
Columns (4) and (11) are valued as of the date at which the given policy year is at a 19th report.
Columns (5) and (12) are valued as of the date at which the given policy year is at a 20th report.

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section H - Derivation of Policy Year Limited 19th-to-Ultimate Loss Development Factors

Policy Year	Indemnity Paid-to-Paid + Case Ratio 19th Report	Medical Paid-to-Paid + Case Ratio 19th Report
2000	0.989	0.959
2001	0.972	0.971
2002	0.972	0.956
2003	0.956	0.967
2004	0.952	0.973
Selected	0.970	0.970

	Indemnity	Medical
(1) Paid+Case 19th-to-Ultimate Loss Development Factor (Section G)	1.010	1.020
(2) Factor to Adjust 19th-to-Ultimate Development Factor to a Limited Basis	0.709	0.709
(3) Limited Paid+Case 19th-to-Ultimate Loss Development Factor = [(1) - 1] x (2) + 1	1.007	1.014
(4) Limited Paid-to-Paid+Case Ratio	0.970	0.970
(5) Limited Paid 19th-to-Ultimate Loss Development Factor = (3) / (4)	1.038	1.045

Section I - Summary of Limited Paid Loss Development Factors

	(1)	(2)		(3)	(4)
	Indemnity Paid Loss Development			Medical Paid Loss Development	
Report	to Next Report	to Ultimate	Report	to Next Report	to Ultimate
1st	1.796	3.477	1st	1.213	1.481
2nd	1.287	1.936	2nd	1.055	1.221
3rd	1.130	1.504	3rd	1.023	1.157
4th	1.077	1.331	4th	1.015	1.131
5th	1.054	1.236	5th	1.013	1.114
6th	1.032	1.173	6th	1.009	1.100
7th	1.028	1.137	7th	1.008	1.090
8th	1.015	1.106	8th	1.007	1.081
9th	1.008	1.090	9th	1.004	1.073
10th	1.006	1.081	10th	1.002	1.069
11th	1.007	1.075	11th	1.002	1.067
12th	1.005	1.068	12th	1.002	1.065
13th	1.004	1.063	13th	1.002	1.063
14th	1.005	1.059	14th	1.002	1.061
15th	1.004	1.054	15th	1.003	1.059
16th	1.005	1.050	16th	1.004	1.056
17th	1.004	1.045	17th	1.004	1.052
18th	1.003	1.041	18th	1.003	1.048
19th		1.038	19th		1.045

(2) = Cumulative upward product of column (1).
(4) = Cumulative upward product of column (3).

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section J - Summary of Limited Paid+Case Loss Development Factors

	(1)	(2)		(3)	(4)
	Indemnity Paid+Case Loss Development			Medical Paid+Case Loss Development	
Report	to Next Report	to Ultimate	Report	to Next Report	to Ultimate
1st	1.137	1.361	1st	1.024	1.029
2nd	1.065	1.197	2nd	0.993	1.005
3rd	1.041	1.124	3rd	1.007	1.012
4th	1.026	1.080	4th	1.000	1.005
5th	1.015	1.053	5th	0.997	1.005
6th	1.012	1.037	6th	1.000	1.008
7th	1.004	1.025	7th	1.004	1.008
8th	0.999	1.021	8th	0.997	1.004
9th	1.002	1.022	9th	1.000	1.007
10th	1.002	1.020	10th	0.994	1.007
11th	0.999	1.018	11th	0.999	1.013
12th	1.000	1.019	12th	0.999	1.014
13th	1.003	1.019	13th	1.001	1.015
14th	1.002	1.016	14th	0.998	1.014
15th	1.003	1.014	15th	0.998	1.016
16th	1.002	1.011	16th	1.001	1.018
17th	1.001	1.009	17th	1.001	1.017
18th	1.001	1.008	18th	1.002	1.016
19th		1.007	19th		1.014

(2) = Cumulative upward product of column (1).
(4) = Cumulative upward product of column (3).

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section K - Factor to Adjust Limited Losses to an Unlimited Basis

(1)	Threshold at the Midpoint of the Loss Cost Effective Period*	9,599,292
(2)	Statewide Excess Ratio for (1)	0.012
(3)	Market Share for Carriers Missing from Large Loss and Catastrophe Call	0.000
(4)	Factor to Adjust Limited Losses to an Unlimited Basis = 1.0 / {1.0 - [(2) x (1.0 - (3))]}	1.012

Section L - Policy Year Large Loss Limits

Experience Year	Policy Year Detrended Limit
2022	8,587,527
2021	8,167,741
2020	7,738,803
2019	7,340,349
2018	7,051,226
2017	6,819,196
2016	6,609,000
2015	6,491,394
2014	6,355,472
2013	6,172,897
2012	6,072,058
2011	5,938,164
2010	5,788,296
2009	5,684,496
2008	5,687,995
2007	5,568,997
2006	5,339,510
2005	5,154,130
2004	4,989,477
2003	4,832,781
2002	4,714,679
2001	4,624,861
2000	4,502,987

* November 30, 2025 is the midpoint of the effective period for which the revised loss costs are being proposed.

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Appendix A – Factors Underlying the Proposed Loss Cost Level Change

Appendix A-III Trend Factors

The proposed loss costs are intended for use with policies with effective dates in the proposed effective period. However, the data underlying this filing is based on the years in the experience period. Thus, it is necessary to use trend factors that forecast how much future Missouri workers compensation experience will differ from historical experience.

Trend factors measure anticipated changes in the amount of indemnity and medical benefits as compared with anticipated changes in the amount of workers' wages. For example, if benefit costs are expected to grow faster than wages, then a trend factor greater than zero is indicated. Conversely, if wages are expected to grow faster than benefit costs, then a trend factor less than zero is indicated.

Overview of Methodology

NCCI separately analyzes a measure of the number of workplace injuries (claim frequency) and the average indemnity and medical costs of each of these injuries (claim severity). Premium, lost-time claim counts, and losses used in these frequency and severity calculations are developed to ultimate and adjusted for changes in the level of workers' wages over time using the United States Bureau of Labor Statistics Quarterly Census of Employment and Wages for Missouri. Note that medical-only claim counts are excluded from the claim frequency and severity calculations, but the losses associated with medical-only claims are included in severity figures.

While claim frequency and severity are reviewed separately, NCCI selects annual indemnity and medical loss ratio trend factors in Missouri. Loss ratios are relied upon as they are less impacted by shifts in the industry mix since these impacts to frequency and severity tend to offset one another. Additionally, loss ratios do not require an adjustment to a common wage level, since the wage adjustment to frequency and severities nullify. In order to estimate the average annual percentage changes in the loss ratios, exponential curves are fit to the historical data points. Consideration in the trend factor selections includes a review of loss ratio patterns observed over an extended period of time, along with other pertinent considerations including, but not limited to, changes in system benefits and administration, economic environment, credibility of state data, and prior trend approach and selection.

The trend lengths displayed on the following exhibits are calculated by comparing the average accident date, or midpoint, for the effective period of the proposed loss costs to each average accident date of the policy years in the experience period. The average accident dates are based on a Missouri distribution of policy writings by month and assume a uniform probability of loss over the coverage period.

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Advisory Loss Costs and Rating Values Filing – January 1, 2025

Appendix A – Factors Underlying the Proposed Loss Cost Level Change

<u>Considerations Underlying Trend Selections in this Filing</u>

The trend factors selected in this filing are meant to recognize the impact the changes in benefits and inflation will have on loss ratios between the midpoints of the experience period years on which the filing is based and the midpoint of the proposed loss cost effective period. Trends using the most recent 15 policy years are typically reviewed to allow one to evaluate changes over an extended period of time, including both economic and non-economic factors, and to mitigate short-term anomalous year-to-year changes. The indicated exponential loss ratio trend fits for both indemnity and medical, on which the selections in this filing are based, are displayed on the following pages.

The exhibits also show the underlying frequency and severity components, as well as the exponential trend fits for periods ranging from 5 to 15 years. These figures have been adjusted to the common wage level and are based on an average of paid and paid plus case losses.

In general, long-term patterns of improving loss ratios have been observed over the most recent 15 years. The improved loss ratio experience observed in recent years is expected to continue going forward, as the COVID-19 pandemic may have permanently altered aspects of the workplace and economy. For example, remote work and reduced business travel affecting some sectors, changes in job duties and workplaces, and changes in the mix of business are likely to persist into the future. The increasingly favorable policy year and calendar-accident year experience suggests such improvement is predictive of future experience and expected to persist into the filing effective period.

An annual loss ratio trend factor of −3.5% was selected for the indemnity loss ratio and an annual loss ratio trend factor of −3.0% was selected for the medical loss ratio. Both selections are supported by a plurality of the exponential fits displayed and align with the medium-term fits, which strike a balance between responsiveness and stability. While the shorter-term fits support steeper trends than those selected, these fits could be overly influenced by recent wage growth that is not expected to persist to the same degree. The increasingly favorable loss ratios, driven by a long-term decline in claim frequency and moderating severity trends, began prior to the onset of COVID-19. The long-term pattern of improving loss ratios is therefore expected to continue in Missouri.

Also shown on the following pages are the underlying frequency and severity components. Note that frequency and severity trends were reviewed but not selected. These figures reflect today's loss cost and a common wage level and are based on an average of paid and paid plus case losses.

APPENDIX A-III

Policy Year Trend Factors

Section A - Calculation of Annual Loss Ratio Trend Factors

	Indemnity	Medical
(1) Selected Annual Loss Ratio Trends:	**−3.5%**	**−3.0%**

(2) Length of Trend Period from Midpoint of Policy Year to Midpoint of Effective Period:

	PY 2022	PY 2021
Trend Length:	3.001	4.001

(3) Trend Factors Applied to Experience Year Loss Ratios = [1 + (1)] ^ (2)

	PY 2022	PY 2021
Indemnity:	0.899	0.867
Medical:	0.913	0.885

Section B - Indemnity Loss Ratio Trend Data

Policy Year	Indemnity Loss Ratio^	Annual Percent Change
2008	0.659	
2009	0.606	-8.0%
2010	0.653	7.8%
2011	0.643	-1.5%
2012	0.608	-5.4%
2013	0.615	1.2%
2014	0.603	-2.0%
2015	0.564	-6.5%
2016	0.551	-2.3%
2017	0.522	-5.3%
2018	0.541	3.6%
2019	0.494	-8.7%
2020	0.469	-5.1%
2021	0.453	-3.4%
2022	0.442	-2.4%

# of Years in Fit	Exponential Fits
15	-2.8%
14	-2.9%
13	-3.3%
12	-3.4%
11	-3.4%
10	-3.7%
9	-3.7%
8	-3.6%
7	-3.8%
6	-4.0%
5	-4.8%

^Based on an average of paid and paid+case losses

APPENDIX A-III

Policy Year Trend Factors

Section C - Medical Loss Ratio Trend Data

Policy Year	Medical Loss Ratio^	Annual Percent Change
2008	0.848	
2009	0.765	-9.8%
2010	0.877	14.6%
2011	0.848	-3.3%
2012	0.804	-5.2%
2013	0.765	-4.9%
2014	0.756	-1.2%
2015	0.769	1.7%
2016	0.710	-7.7%
2017	0.773	8.9%
2018	0.740	-4.3%
2019	0.676	-8.6%
2020	0.655	-3.1%
2021	0.609	-7.0%
2022	0.596	-2.1%

# of Years in Fit	Exponential Fits
15	-2.3%
14	-2.4%
13	-2.8%
12	-2.8%
11	-2.7%
10	-2.8%
9	-3.2%
8	-3.7%
7	-3.9%
6	-5.3%
5	-5.2%

^Based on an average of paid and paid+case losses

APPENDIX A-III

Policy Year Trend Factors

Section D - Frequency Trend Data
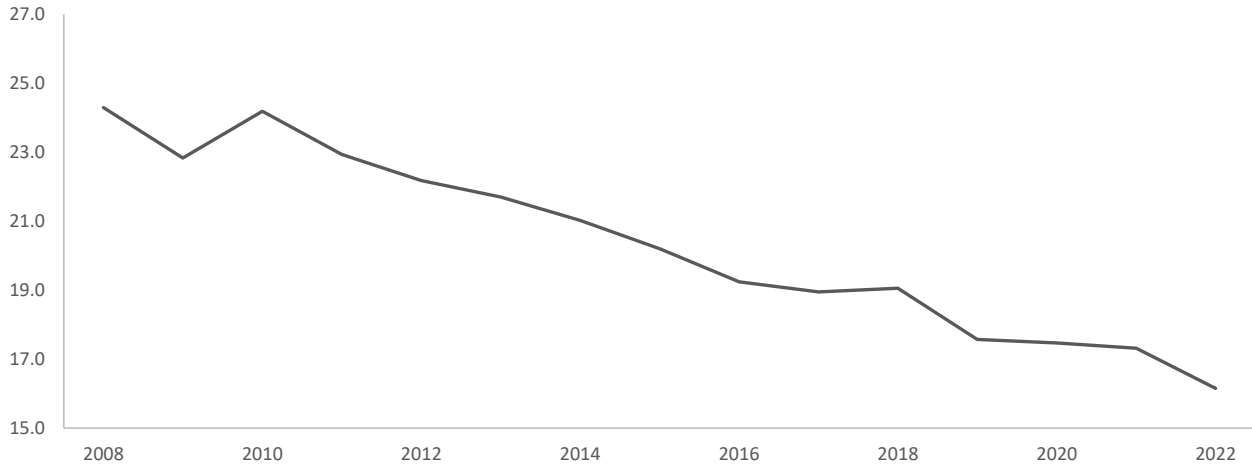
Policy Year	Claim Frequency^	Annual Percent Change
2008	24.291	-
2009	22.828	-6.0%
2010	24.181	5.9%
2011	22.931	-5.2%
2012	22.173	-3.3%
2013	21.696	-2.2%
2014	21.019	-3.1%
2015	20.196	-3.9%
2016	19.236	-4.8%
2017	18.945	-1.5%
2018	19.052	0.6%
2019	17.568	-7.8%
2020	17.464	-0.6%
2021	17.312	-0.9%
2022	16.151	-6.7%

# of Years in Fit	Exponential Fits
15	-2.8%
14	-2.9%
13	-3.1%
12	-3.0%
11	-3.0%
10	-3.0%
9	-2.9%
8	-2.8%
7	-2.8%
6	-3.1%
5	-3.4%

^Per million of on-leveled, wage-adjusted premium

Policy Year Trend Factors

Section E - Indemnity Severity Trend Data
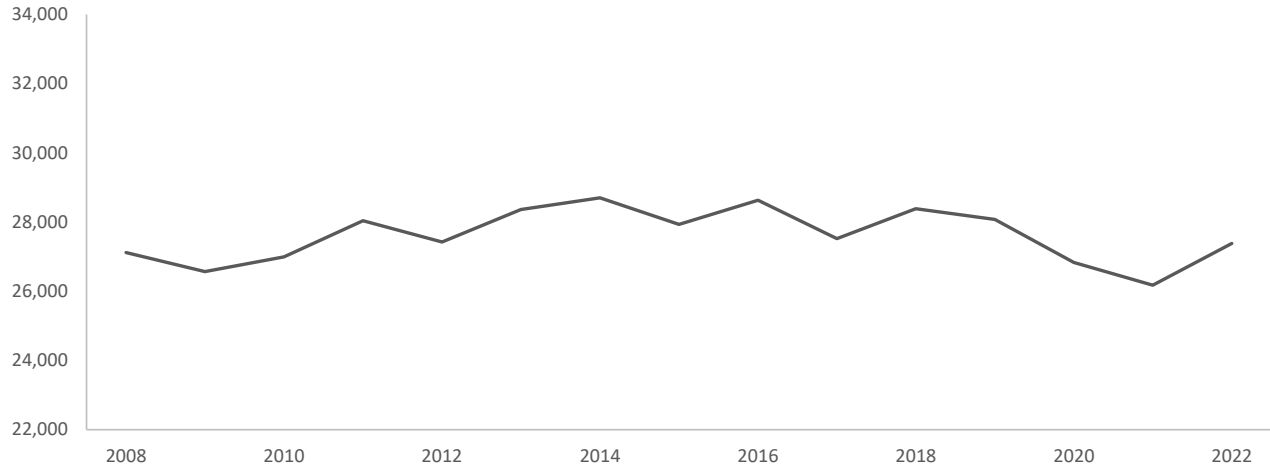
Policy Year	Indemnity Severity^	Annual Percent Change		# of Years in Fit	Exponential Fits
2008	27,119	-			
2009	26,567	-2.0%			
2010	26,993	1.6%		15	0.0%
2011	28,038	3.9%		14	-0.1%
2012	27,422	-2.2%		13	-0.2%
2013	28,361	3.4%		12	-0.4%
2014	28,701	1.2%		11	-0.5%
2015	27,931	-2.7%		10	-0.7%
2016	28,631	2.5%		9	-0.8%
2017	27,520	-3.9%		8	-0.8%
2018	28,386	3.1%		7	-1.0%
2019	28,076	-1.1%		6	-0.9%
2020	26,829	-4.4%		5	-1.4%
2021	26,174	-2.4%			
2022	27,380	4.6%			

^Adjusted to a common wage level, based on an average of paid and paid+case losses

Section F - Medical Severity Trend Data
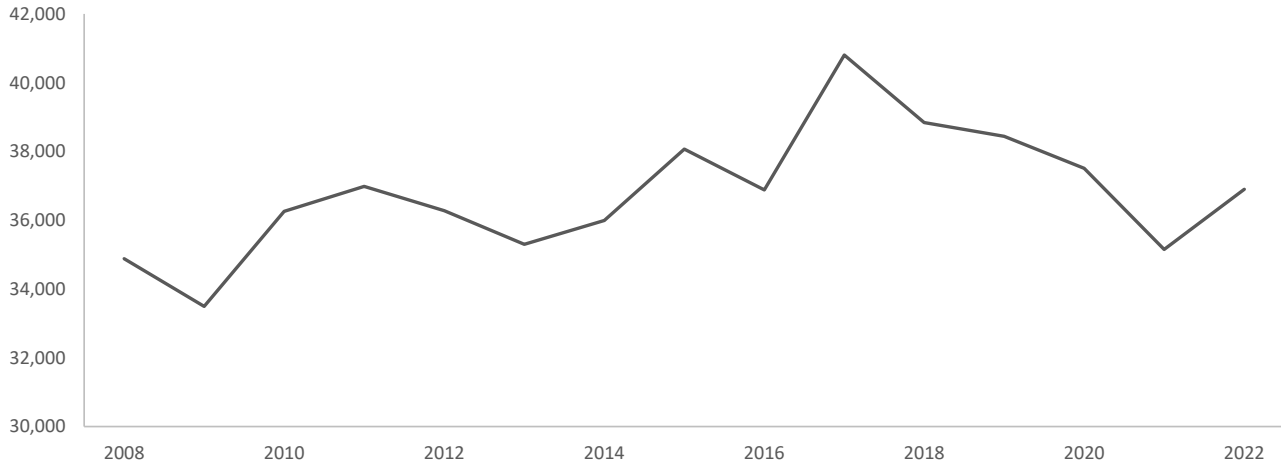
Policy Year	Medical Severity^	Annual Percent Change
2008	34,881	-
2009	33,495	-4.0%
2010	36,257	8.2%
2011	36,985	2.0%
2012	36,279	-1.9%
2013	35,298	-2.7%
2014	35,991	2.0%
2015	38,069	5.8%
2016	36,881	-3.1%
2017	40,805	10.6%
2018	38,839	-4.8%
2019	38,443	-1.0%
2020	37,510	-2.4%
2021	35,151	-6.3%
2022	36,899	5.0%

# of Years in Fit	Exponential Fits
15	0.5%
14	0.5%
13	0.3%
12	0.2%
11	0.2%
10	0.1%
9	-0.3%
8	-0.9%
7	-1.2%
6	-2.3%
5	-1.9%

^Adjusted to a common wage level, based on an average of paid and paid+case losses

APPENDIX A-IV

Derivation of Industry Group Differentials

Industry group differentials are used to more equitably distribute the overall loss cost level change based on the individual experience of each industry group. The payroll, losses and claim counts used in the calculations below are from NCCI's Workers Compensation Statistical Plan (WCSP) data.

I. Expected Losses

The current expected losses (columns (1) and (2)) are the payroll extended by the pure premiums underlying the latest loss costs. The proposed expected losses (3) are the current expected losses adjusted to the proposed level. These adjustments include the proposed experience, trend, benefit and, if applicable, loss-based expense changes as well as any miscellaneous premium adjustments.

Industry Group	(1) Latest Year Current Expected Losses Prior to Adjustment for Change in Off-Balance	(2) Five Year Current Expected Losses Prior to Adjustment for Change in Off-Balance	(3) Five Year Proposed Expected Losses Prior to Adjustment for Change in Off-Balance	(4) Current Ratio of Manual to Standard Premium	(5) Proposed Ratio of Manual to Standard Premium
Manufacturing	184,729,533	812,353,104	769,375,691	1.267	1.274
Contracting	185,386,314	797,738,781	755,322,987	1.125	1.125
Office & Clerical	105,941,218	458,605,853	434,531,198	1.134	1.135
Goods & Services	298,834,208	1,284,325,731	1,217,073,760	1.086	1.085
Miscellaneous	215,229,457	916,245,213	867,059,267	1.068	1.070
Statewide	990,120,730	4,269,268,681	4,043,362,903		

Industry Group	(6) Latest Year Current Expected Losses Adjusted for Change in Off-Balance (1)x(4)/(5)	(7) Five Year Current Expected Losses Adjusted for Change in Off-Balance (2)x(4)/(5)	(8) Five Year Proposed Expected Losses Adjusted for Change in Off-Balance (3)x(4)/(5)	(9) Current/ Proposed (7)/(8)	(10) Adjustment to Proposed for Current Relativity (9)IG/(9)SW
Manufacturing	183,714,535	807,889,625	765,148,352	1.056	1.000
Contracting	185,386,314	797,738,781	755,322,987	1.056	1.000
Office & Clerical	105,847,878	458,201,795	434,148,351	1.055	0.999
Goods & Services	299,109,631	1,285,509,441	1,218,195,487	1.055	0.999
Miscellaneous	214,827,159	914,532,605	865,438,596	1.057	1.001
Statewide	988,885,517	4,263,872,247	4,038,253,773	1.056	

APPENDIX A-IV

II. Industry Group Differentials

To calculate the converted indicated balanced losses (11) the reported losses are limited to $500,000 for a single claim occurrence and $1,500,000 for each multiple claim occurrence. After the application of limited development, trend and benefit factors, the limited losses are brought to an unlimited level through the application of the expected excess provision. The expected excess loss provisions are non-catastrophe and the excess ratios at a loss limit of $50 million are set equal to zero. The proposed experience change, applicable loss-based expenses and any miscellaneous premium adjustments are applied to calculate the indicated losses. These indicated losses are then balanced to the expected losses using the factors shown in Appendix B-I, Section A-3.

Industry Group	(11) Converted Indicated Balanced Losses	(12) Indicated/ Expected Ratio (11)/[(8)x(10)]	(13) Indicated Differential (12)IG/(12)SW	(14) Lost-Time Claim Counts
Manufacturing	783,050,405	1.023	1.022	15,490
Contracting	748,734,519	0.991	0.990	9,354
Office & Clerical	425,755,216	0.982	0.981	8,717
Goods & Services	1,218,022,597	1.001	1.000	28,237
Miscellaneous	866,146,538	1.000	0.999	14,546
Statewide	4,041,709,275	1.001		

Industry Group	(15) Full Credibility Standard for Lost-Time Claim Counts	(16) Credibility Minimum of 1.000 and ((14)/(15))^0.5	(17) Credibility Weighted Indicated/Expected Ratio [(16)IGx(12)IG] + [1-(16)IG]x(12)SW*	(18) Final Industry Group Differential (17)IG/(17)SW
Manufacturing	12,000	1.00	1.023	1.022
Contracting	12,000	0.88	0.992	0.991
Office & Clerical	12,000	0.85	0.985	0.984
Goods & Services	12,000	1.00	1.001	1.000
Miscellaneous	12,000	1.00	1.000	0.999
Statewide			1.001	1.000

*Statewide ratio (column 17) = $\Sigma_{IG}[(6)x(17)] \div \Sigma_{IG}(6)$

APPENDIX A-IV

III. Description of Industry Group Differentials

Column (2) reflects the indemnity and medical combined expected losses calculated as five years of payroll (in hundreds) extended separately by indemnity and medical pure premiums underlying the latest loss costs. Column (3) adjusts the current expected losses to the proposed level by applying the components of the proposed loss cost level change. These components are applied separately for indemnity and medical, where possible. These adjustments are reflected in Appendix B-I, Section B.

Column (4) shows the current manual premium to standard premium ratios that were calculated using the latest five years of WCSP data used in the current Missouri filing. Column (5) shows the proposed manual premium to standard premium ratios calculated using the latest five years of manual premium and experience modification factors reported in the WCSP data used in the proposed Missouri filing. "Proposed" ratio refers to the fact that these ratios are based on the latest available WCSP data in the proposed filing, and they are used to adjust the proposed industry group differentials to reflect the latest available impact of experience rating by industry group. The differences between columns (4) and (5) relate to the different periods of data being used, which are rolling 5-year periods.

Columns (6), (7), and (8) are based on columns (1), (2), and (3), respectively, and include an adjustment for the change in the average experience rating off-balance by Industry Group (IG). The adjustment for the change in the average experience rating off-balance by IG is reflected by multiplying columns (1), (2), and (3) by the ratio of column (4) to column (5). The ratio of column (4) to column (5) adjusts the current and proposed expected losses (and therefore the IG differentials) to reflect the latest available impact of experience rating by industry group.

The expected losses in column (6) are used as the IG weights when determining the statewide average Credibility Weighted Indicated-to-Expected Ratio in column (17).

The expected losses in columns (7) and (8) are used to determine the relative IG changes from the prior filing to the proposed filing in column (9). Since the indicated IG relativities in column (9) reflect a statewide average that differs from 1.000, the calculation in column (10) ensures that the indicated changes by IG balance to the overall proposed statewide loss cost level change.

Column (13) normalizes the indicated to expected ratios determined in column (12) to determine differentials before credibility weighting. The credibilities are calculated for each industry group using actual lost-time cases (column (14)) and the full credibility standard. The full credibility standard (column (15)) is determined based on an analysis of five successive years of five industry group differential fluctuations across 36 states. In column (16), the credibility is 1.00 when lost-time claims exceed 12,000. The final differentials reflected in column (18) are the normalized credibility weighted industry group differentials calculated in column (17).

Advisory Loss Costs and Rating Values Filing – January 1, 2025

**Appendix B – Calculations Underlying the
Loss Cost Change by Classification**

NCCI separately determines loss costs for each workers compensation classification. The proposed change from the current loss cost will vary depending on the classification. The following are the general steps utilized to determine the industrial classification loss costs:

1. Calculate industry group differentials, which are used to more equitably distribute the proposed overall average loss cost level change based on the individual experience of each industry group
2. For each classification, determine the indicated pure premiums based on the most recently-available five policy periods of Missouri payroll and loss experience
3. Indicated pure premiums are credibility-weighted with present on rate level pure premiums and national pure premiums to generate derived by formula pure premiums
4. Final adjustments include the application of a test correction factor, the ratio of manual-to-standard premium, swing limits, and where applicable, any additional loads

APPENDIX B-I

Distribution of Loss Cost Level Change to Occupational Classification

After determining the required changes in the overall loss cost level for the state and by industry group, the next step in the ratemaking procedure is to distribute these changes among the various occupational classifications. In order to do this, the pure premiums by classification must be adjusted, by policy period, industry group, or on an overall basis, to incorporate the changes proposed in the filing. There are three sets of pure premiums for each classification: indicated, present on rate level, and national pure premiums.

Section A – Calculation of Indicated Pure Premiums
The indicated pure premiums are calculated from the payroll and loss data reported, by class code and policy period, in the Workers Compensation Statistical Plan (WCSP) for the latest available five policy periods. Various adjustments are made to these pure premiums to put them at the level proposed in this filing (Sections A-1 to A-3).

Section A-1 – Calculation of Primary Conversion Factors

1. Limited Loss Development Factors*

The following factors are applied to develop the losses from first through fifth report to an ultimate basis.

Policy Period	Indemnity		Medical	
	Likely-to-Develop	Not-Likely-to-Develop	Likely-to-Develop	Not-Likely-to-Develop
7/17-6/18	1.116	1.032	1.012	1.000
7/18-6/19	1.176	1.045	1.019	0.998
7/19-6/20	1.264	1.076	1.029	0.998
7/20-6/21	1.447	1.134	1.045	0.998
7/21-6/22	1.828	1.269	1.118	1.006

*The likely/not-likely development factors reflect a 60% likely / 40% not-likely distribution of the total tail development.

2. Factors to Adjust to the Proposed Trend Level

The proposed trend factors are applied to adjust the losses to the proposed level.

Policy Period	Indemnity	Medical
7/17-6/18	0.766	0.797
7/18-6/19	0.794	0.821
7/19-6/20	0.823	0.847
7/20-6/21	0.853	0.873
7/21-6/22	0.884	0.900

3. Factors to Adjust to the Proposed Benefit Level

The following factors are applied to adjust the losses to the proposed benefit level.

Policy Period	Fatal	Permanent Total (P.T.)	Permanent Partial (P.P.)	Temporary Total (T.T.)	Medical
7/17-6/18	1.000	1.000	1.000	1.000	1.000
7/18-6/19	1.000	1.000	1.000	1.000	1.000
7/19-6/20	1.000	1.000	1.000	1.000	1.000
7/20-6/21	1.000	1.000	1.000	1.000	1.000
7/21-6/22	1.000	1.000	1.000	1.000	1.000

4. Primary Conversion Factors: Indicated Pure Premiums

The factors above, contained within Section A-1, are combined multiplicatively, resulting in the following factors for the Likely-to-Develop (L) and Not-Likely-to-Develop (NL) groupings.

Policy Period	Fatal (L)	Fatal (NL)	P.T.*	P.P. (L)	P.P. (NL)	T.T. (L)	T.T. (NL)	Medical (L)	Medical (NL)
7/17-6/18	0.855	0.791	0.855	0.855	0.791	0.855	0.791	0.807	0.797
7/18-6/19	0.934	0.830	0.934	0.934	0.830	0.934	0.830	0.837	0.819
7/19-6/20	1.040	0.886	1.040	1.040	0.886	1.040	0.886	0.872	0.845
7/20-6/21	1.234	0.967	1.234	1.234	0.967	1.234	0.967	0.912	0.871
7/21-6/22	1.616	1.122	1.616	1.616	1.122	1.616	1.122	1.006	0.905

* Permanent total losses are always assigned to the Likely-to-Develop grouping.

Section A-2 – Expected Excess Provision and Redistribution

After the application of the primary conversion factors, the limited losses are brought to an expected unlimited level through the application of excess loss factors by hazard group. The expected excess loss provisions are non-catastrophe and the excess ratios at a loss limit of $50 million are set equal to zero. These factors are shown below.

Hazard Group	A	B	C	D	E	F	G
(1) Excess Ratios	0.063	0.084	0.115	0.131	0.185	0.219	0.251
(2) Excess Factors 1/(1-(1))	1.067	1.092	1.130	1.151	1.227	1.280	1.335

As the excess loss factors are on a combined (indemnity and medical) basis, a portion (40%) of the indemnity expected excess losses are redistributed to medical in order to more accurately allocate expected excess losses. Since a portion of the expected excess losses are redistributed in an additive manner, the expected excess factors shown above cannot be combined multiplicatively with either the primary or secondary loss conversion factors.

APPENDIX B-I

Section A-3 – Calculation of Secondary Conversion Factors

1. Factors to Adjust for Proposed Industry Group Differentials

The following factors are applied to adjust the indicated industry group differentials for the effects of credibility weighting the industry group differentials and weighting the differentials by the latest year expected losses.

	Manufacturing	Contracting	Office and Clerical	Goods and Services	Miscellaneous
(1) Indicated Differentials*	1.022	0.990	0.981	1.000	0.999
(2) Final Differentials**	1.022	0.991	0.984	1.000	0.999
(3) Adjustment (2)/(1)	1.000	1.001	1.003	1.000	1.000

*See Appendix A-IV, column (13).
**See Appendix A-IV, column (18).

2. Factors to Balance Indicated to Expected Losses

The expected losses are calculated as the pure premium underlying the current loss costs, adjusted to the proposed level and adjusted for the Experience Rating Plan off-balance. The indicated losses are balanced to the expected losses by applying the following factors.

Policy Period	(1) Adjustment of Indicated Losses to Pure Premium at Proposed Level	(2) Current Ratio of Manual to Standard Premium	(3) Proposed Ratio of Manual to Standard Premium	(4) Off-balance Adjustment (2)/(3)	(5) Balancing Indicated to Expected Losses (1)x(4)
7/17-6/18	0.862	1.130	1.124	1.005	0.866
7/18-6/19	0.863	1.130	1.128	1.002	0.865
7/19-6/20	0.950	1.129	1.131	0.998	0.948
7/20-6/21	0.898	1.129	1.129	1.000	0.898
7/21-6/22	0.900	1.128	1.132	0.996	0.896

3. Adjustment for Experience Change

A factor of 0.973 is applied to adjust for the experience change in the proposed loss cost level.

4. Factor to Reflect Inclusion of Assigned Risk Experience

A factor of 0.993 is applied to reflect the inclusion of assigned risk experience.

5. Factor to Reflect the Proposed Loss-Based Expense Provisions

A factor of 1.210 is applied to include the proposed loss-based expense provisions.

6. Secondary Conversion Factors: Indicated Pure Premiums

The factors above, contained within section A-3, are combined multiplicatively, resulting in the following factors:

Policy Period	Manufacturing	Contracting	Office and Clerical	Goods and Services	Miscellaneous
7/17-6/18	1.012	1.013	1.015	1.012	1.012
7/18-6/19	1.011	1.012	1.014	1.011	1.011
7/19-6/20	1.108	1.109	1.112	1.108	1.108
7/20-6/21	1.050	1.051	1.053	1.050	1.050
7/21-6/22	1.048	1.049	1.051	1.048	1.048

Section B – Calculation of Present on Rate Level Pure Premiums

The present on rate level pure premiums are the pure premiums underlying the current loss costs, adjusted to the proposed level. The data sources for the above-captioned pure premiums are the partial pure premiums underlying the current loss costs.

1. Adjustment for Experience Change

A factor of 0.973 is applied to adjust for the experience change in the proposed loss cost level.

2. Factors to Adjust to the Proposed Trend Level

The pure premiums underlying the current loss costs contain the current trend. The change in trend factors, 0.964 and 0.982, for indemnity and medical, respectively, are applied to adjust to the proposed trend level.

3. Factors to Adjust to the Proposed Benefit Level

The following factors are applied to adjust the pure premiums underlying the current loss costs to the proposed benefit level.

Effective Date	Indemnity	Medical
Combined Benefit Adjustment	1.000	1.000

4. Factors to Include the Proposed Loss-Based Expense Provisions

The pure premiums underlying the current loss costs include the current loss-based expense provisions and must be adjusted to the proposed level.

	(a) Current		(b) Proposed	
	Indemnity	Medical	Indemnity	Medical
(1) Loss Adjustment Expense	1.203	1.203	1.210	1.210
(2) Loss-based Assessment	1.000	1.000	1.000	1.000
(3) = (1) + (2) − 1.000	1.203	1.203	1.210	1.210
(4) Overall Change (3b)/(3a)			1.006	1.006

5. Adjustment to Obtain Expected Losses

The pure premiums underlying the current loss costs reflect the current Experience Rating Plan off-balance. The change in off-balance must be applied.

Industry Group	(1) Current Ratio of Manual to Standard Premium	(2) Proposed Ratio of Manual to Standard Premium	(3) Off-balance Adjustment (1)/(2)
Manufacturing	1.267	1.274	0.995
Contracting	1.125	1.125	1.000
Office & Clerical	1.134	1.135	0.999
Goods & Services	1.086	1.085	1.001
Miscellaneous	1.068	1.070	0.998

6. Factors to Adjust for Proposed Industry Group Differentials

The pure premiums underlying the current loss costs are adjusted by the proposed industry group differentials.

Industry Group	(1) Final Differential*	(2) Adjustment to Proposed for Current Relativities**	(3) Adjusted Differential (1)x(2)
Manufacturing	1.022	1.000	1.022
Contracting	0.991	1.000	0.991
Office & Clerical	0.984	0.999	0.983
Goods & Services	1.000	0.999	0.999
Miscellaneous	0.999	1.001	1.000

*See Appendix A-IV, column (18).
**See Appendix A-IV, column (10).

7. Factor to Reflect Inclusion of Assigned Risk Experience

A factor of 0.993 is applied to reflect the inclusion of assigned risk experience.

8. Combined Conversion Factors

The factors above, contained within Section B, are combined multiplicatively, resulting in the following factors.

Industry Group	Indemnity	Medical
Manufacturing	0.953	0.970
Contracting	0.929	0.945
Office & Clerical	0.920	0.937
Goods & Services	0.937	0.954
Miscellaneous	0.935	0.952

APPENDIX B-I

Section C – Calculation of National Pure Premiums

Finally, there are the national pure premiums, which reflect the countrywide experience for each classification adjusted to state conditions. These pure premiums reflect the countrywide experience for each classification as indicated by the latest available individual classification experience for all states for which the National Council on Compensation Insurance compiles workers compensation data.

Countrywide data is adjusted to Missouri conditions in four steps. First, statewide indicated pure premiums are determined for Missouri. Second, using Missouri payrolls as weights, corresponding statewide-average pure premiums are computed for each remaining state. Third, the ratios of Missouri statewide pure premiums to those for other states are used as adjustment factors to convert losses for other states to a basis that is consistent with the Missouri indicated pure premiums. The quotient of the countrywide total of such adjusted losses divided by the total countrywide payroll for the classification is the initial pure premium indicated by national relativity. Finally, national pure premiums are balanced to the level of the state indicated pure premiums to ensure unbiased derived by formula pure premiums. Indemnity and medical pure premiums are computed separately.

Section D – Calculation of Derived by Formula Pure Premiums

The indicated, present on rate level and national pure premiums are credibility weighted, and the resulting derived by formula pure premiums are used to determine the final class loss costs.

As for the preceding pure premiums, separate computations are performed for each partial pure premium: indemnity and medical. Each partial formula pure premium is derived by the weighting of the indicated, present on rate level and national partial pure premiums. The weight assigned to the policy year indicated pure premium varies in one-percent intervals from zero percent to one hundred percent, depending upon the volume of expected losses (i.e. the product of the underlying pure premiums and the payroll in hundreds). To achieve full state credibility, a classification must have expected losses of at least: \$36,251,259 for indemnity and \$25,329,216 for medical.

The partial credibilities formula is:

$$z = [\text{(expected losses)} / \text{(full credibility standard)}]^{0.5}$$

For the national pure premiums, credibility is determined from the number of lost-time claims. Full credibility standards are: 2,300 lost-time claims for indemnity and 2,000 lost-time claims for medical.

Partial credibilities are assigned using a credibility formula similar to that used for indicated pure premiums but based on the number of national cases. In no case is the national credibility permitted to exceed 50% of the complement of the state credibility.

National Credibility equals the smaller of:

$$[\text{(national cases)}/\text{(full credibility standard)}]^{0.5} \text{ and } [(1 - \text{state credibility})/2]$$

The residual credibility (100% minus the sum of the state and national credibilities) is assigned to the present on rate level pure premium.

> For example, if the state credibility is 40%, the national pure premium is assigned a maximum credibility of 30% ((100-40) / 2). The remainder is assigned to the present on rate level pure premium.

The total pure premium shown on the attached Appendix B-III is obtained by adding the indemnity and medical partial pure premiums obtained above and rounding the sum to two decimal places.

APPENDIX B-II

Adjustments to Obtain Loss Costs

The following items are combined with the derived by formula pure premium to obtain the proposed loss cost:

1. Test Correction Factor

The payrolls are now extended by the loss costs presently in effect and by the indicated loss costs to determine if the required change in manual premium level as calculated in Exhibit I has been achieved. Since at first this calculation may not yield the required results, an iterative process is initiated which continuously tests the proposed loss costs including tentative test correction factors until the required change in manual premium level is obtained. The test correction factor is applied to the derived by formula pure premiums.

The factors referred to above are set out as follows:

	Test Correction Factor
Manufacturing	1.0093
Contracting	1.0041
Office & Clerical	0.9891
Goods & Services	0.9964
Miscellaneous	1.0073

2. Ratios of Manual to Standard Premiums

The ratios of manual to standard premiums by industry group have also been excluded from the classification experience, and it is necessary to apply these factors to the derived by formula pure premiums.

	Ratio of Manual to Standard Premiums
Manufacturing	1.274
Contracting	1.125
Office & Clerical	1.135
Goods & Services	1.085
Miscellaneous	1.070

3. Swing Limits

As a further step, a test is made to make certain that the proposed loss costs fall within the following departures from the present loss costs:

Manufacturing	from 17% above to 23% below
Contracting	from 14% above to 26% below
Office & Clerical	from 13% above to 27% below
Goods & Services	from 15% above to 25% below
Miscellaneous	from 15% above to 25% below

These limits have been calculated in accordance with the following formula:

Max. Deviation = Effect of the final change in loss cost level by industry group plus or minus 20% rounded to the nearest 1%.

The product of the swing limits and the present loss cost sets bounds for the proposed loss cost. If the calculated loss cost falls outside of the bounds, the closest bound is chosen as the proposed loss cost. When a code is limited, the underlying pure premiums are adjusted to reflect the limited loss cost. The classifications which have been so limited are shown below. Note that classifications that are subject to special handling may fall outside of the swing limits.

An illustrative example showing the calculation of a proposed manual class loss cost is attached as Appendix B-III. This example demonstrates the manner in which the partial pure premiums are combined to produce a total pure premium, and shows the steps in the calculation at which the rounding takes place. The loss costs for other classifications are calculated in the same manner.

* A code listed below with an asterisk indicates the code's swing limit was adjusted by one cent before being applied; this is only performed when the upper and lower bounds calculated by the swing limit are equal.

List of Classifications Limited by the Upper Swing	List of Classifications Limited by the Lower Swing
5491 7711	NONE

4. Missouri Contracting Classification Premium Adjustment Program (CCPAP)

For classifications eligible for the CCPAP, the last step in producing the final proposed loss costs is to apply a factor of 1.079 to offset the credits payable under the CCPAP.

A list of eligible class codes can be found under the ***Basic Manual*** state pricing programs.

APPENDIX B-III

Derivation of Proposed Loss Cost - Code 8810

As previously explained in Appendix B-I, the indicated pure premiums are developed by adjusting the limited losses by a set of conversion factors. The converted losses are then summarized into indemnity and medical and then divided by payroll (in hundreds). The derivation of the indicated pure premium for the above-captioned classification follows:

LIMITED LOSSES (Workers Compensation Statistical Plan)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
07/01/17 - 06/30/18	0	0	0	1,492,067	3,813,170	548,541	1,845,854	2,194,458	11,003,509
07/01/18 - 06/30/19	500,000	500,000	261,623	2,024,902	4,400,759	866,124	1,462,605	3,450,079	11,651,844
07/01/19 - 06/30/20	259,473	5,000	0	1,488,281	3,185,336	791,069	1,822,676	3,503,423	8,401,163
07/01/20 - 06/30/21	0	0	0	626,434	2,822,389	858,635	1,473,987	1,658,120	8,352,031
07/01/21 - 06/30/22	0	0	185,279	800,801	2,312,138	1,195,909	2,030,837	3,095,250	9,908,408

PRIMARY CONVERSION FACTORS (Appendix B-I, Section A-1)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
07/01/17 - 06/30/18	0.855	0.791	0.855	0.855	0.791	0.855	0.791	0.807	0.797
07/01/18 - 06/30/19	0.934	0.830	0.934	0.934	0.830	0.934	0.830	0.837	0.819
07/01/19 - 06/30/20	1.040	0.886	1.040	1.040	0.886	1.040	0.886	0.872	0.845
07/01/20 - 06/30/21	1.234	0.967	1.234	1.234	0.967	1.234	0.967	0.912	0.871
07/01/21 - 06/30/22	1.616	1.122	1.616	1.616	1.122	1.616	1.122	1.006	0.905

EXPECTED EXCESS PROVISION AND REDISTRIBUTION (Appendix B-I, Section A-2)

After the application of the primary conversion factors, the limited losses are brought to an expected unlimited level through the application of a hazard group-specific excess loss factor. The factor is shown below:

	HAZARD GROUP: C
Excess Factor	1.130

As the excess loss factor is on a combined (indemnity and medical) basis, the following portion of the indemnity expected excess losses are redistributed to medical in order to more accurately allocate expected excess losses:

Redistribution %	40%

APPENDIX B-III

Derivation of Proposed Loss Cost - Code 8810

EXPECTED UNLIMITED LOSSES (Limited Losses x Primary Conversion Factors, then adjusted for the Excess Provision and Redistribution)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
07/01/17 - 06/30/18	0	0	0	1,375,180	3,251,380	505,569	1,573,907	2,091,735	10,142,041
07/01/18 - 06/30/19	503,410	447,356	263,407	2,038,712	3,937,412	872,031	1,308,610	3,440,281	11,057,417
07/01/19 - 06/30/20	290,892	4,776	0	1,668,489	3,042,245	886,856	1,740,798	3,589,200	8,252,310
07/01/20 - 06/30/21	0	0	0	833,289	2,942,039	1,142,165	1,536,473	1,803,958	8,435,853
07/01/21 - 06/30/22	0	0	322,755	1,394,989	2,796,480	2,083,265	2,456,252	3,701,720	10,385,603

SECONDARY CONVERSION FACTORS (Appendix B-I, Section A-3)

Policy Period	INDUSTRY GROUP: Office and Clerical
07/01/17 - 06/30/18	1.015
07/01/18 - 06/30/19	1.014
07/01/19 - 06/30/20	1.112
07/01/20 - 06/30/21	1.053
07/01/21 - 06/30/22	1.051

PAYROLL, FINAL CONVERTED LOSSES (Expected Unlimited Losses x Secondary Conversion Factors)

Policy Period	Payroll	Indemnity Likely	Indemnity Not-Likely	Medical Likely	Medical Not-Likely	Total Indemnity	Total Medical	Total
07/01/17 - 06/30/18	26,487,100,451	1,908,960	4,897,666	2,123,111	10,294,172	6,806,626	12,417,283	19,223,909
07/01/18 - 06/30/19	27,432,035,153	3,729,046	5,773,085	3,488,445	11,212,221	9,502,131	14,700,666	24,202,797
07/01/19 - 06/30/20	27,195,867,908	3,165,016	5,324,055	3,991,190	9,176,569	8,489,071	13,167,759	21,656,830
07/01/20 - 06/30/21	29,172,865,990	2,080,153	4,715,873	1,899,568	8,882,953	6,796,026	10,782,521	17,578,547
07/01/21 - 06/30/22	32,093,729,664	3,994,860	5,520,621	3,890,508	10,915,269	9,515,481	14,805,777	24,321,258
Total	142,381,599,166	14,878,035	26,231,300	15,392,822	50,481,184	41,109,335	65,874,006	106,983,341
		INDICATED PURE PREMIUM				**0.029**	**0.046**	**0.08**

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

The present on rate level pure premiums are developed by adjusting the pure premiums underlying the current loss cost by the conversion factors calculated in Appendix B-I. The derivation of the present on rate level pure premiums for the above-captioned classification follows:

	Indemnity	Medical	Total
Pure Premiums Underlying Current Loss Cost	0.031	0.049	0.08
Conversion Factors (App. B-I, Section B)	0.920	0.937	xxx
PURE PREMIUMS PRESENT ON RATE LEVEL **(Underlying Pure Premiums) x (Conversion Factor)**	0.029	0.046	0.08

APPENDIX B-III

Derivation of Proposed Loss Cost - Code 8810
Industry Group - Office and Clerical, Hazard Group - C

The loss cost for the above-captioned classification is derived as follows:

		Indemnity	Medical	Total
1.	Indicated Pure Premium	0.029	0.046	0.08
2.	Pure Premium Indicated by National Relativity	0.029	0.047	0.08
3.	Pure Premium Present on Rate Level	0.029	0.046	0.08
4.	State Credibilities	100%	100%	xxx
5.	National Credibilities	0%	0%	xxx
6.	Residual Credibilities = 100% - (4) - (5)	0%	0%	xxx
7.	Derived by Formula Pure Premiums = (1) x (4) + (2) x (5) + (3) x (6)	0.029	0.046	0.08
8.	Test Correction Factor	0.9891	0.9891	xxx
9.	Underlying Pure Premiums = (7) x (8) *	0.025	0.045	0.07
10.	Ratio of Manual to Standard Premium			1.135
11.	Loss Cost = (9) x (10)			0.08
12.	Loss Cost Within Swing Limits			0.08
	Current Loss Cost x Swing Limits a) Lower bound = 0.09 x 0.730 = 0.07 b) Upper bound = 0.09 x 1.130 = 0.10			
13.	Pure Premiums Underlying Proposed Loss Cost* = ((13TOT) / (9TOT)) x (9) , (13TOT) = (12) / (10)	0.025	0.045	0.07
14.	Miscellaneous Loadings			0.00
15.	Final Loaded Loss Cost			0.08

* Indemnity pure premium is adjusted for the rounded total pure premium:
    Indemnity Pure Premium = Total Pure Premium - Medical Pure Premium

WCSP data is used to determine the F-Classification (F-Class) loss costs. The latest year of WCSP payroll is extended by both the current and proposed loss costs. Based on $29,311,816 of payroll, the overall loss cost level change in Missouri is -5.5%.

I.   Overview of Methodology

- Ten years of F-Class losses* across all states for which the National Council on Compensation Insurance compiles workers compensation ratemaking data are converted and adjusted to a countrywide level and used with ten years of F-Class countrywide payroll to determine the F-class countrywide pure premiums at both an overall and individual classification level.

- F-class code countrywide relativities are then calculated by comparing the F-class countrywide pure premiums by class to the overall countrywide F-class pure premium. The relativity values are reflected in the table in Section II.

- A single state primary base pure premium is calculated by applying a countrywide to state relativity factor to bring the F-class overall countrywide pure premium to the Missouri proposed level.

- A final base pure premium is calculated by bringing the primary base pure premium to the proposed Missouri trend and benefit levels, and applying any applicable expenses and/or offsets.

- Final F-Class loss costs are calculated by applying the countrywide relativity by class code to the final base pure premium and applying swing limits.

*Losses are limited to $500,000 for a single claim occurrence and $1,500,000 for each multiple claim occurrence. Texas data is included for policies effective 1/1/2013 and subsequent.

II.   The F-class code countrywide relativities:

Class Code	(1) 10-Year Countrywide Payroll	(2) 10-Year Expected Unlimited Countrywide Losses	(3) = (2)/((1)/100) Countrywide Pure Premium	(4) = (3)/(3)Overall Countrywide Relativity
6006	414,124,714	15,368,473	3.71	1.427
6801*	27,346,413	722,254	2.64	1.000
6824	447,172,653	12,575,174	2.81	1.081
6825	278,629,234	2,654,069	0.95	0.365
6826	144,020,407	2,070,534	1.44	0.554
6828*	29,276,826	457,014	1.56	1.000
6829*	8,759,538	88,208	1.01	1.000
6843	929,338,676	29,396,645	3.16	1.215
6845	281,500,815	8,701,152	3.09	1.188
6872	1,618,863,209	56,150,653	3.47	1.335
6873*	33,096,319	684,303	2.07	1.000
6874	152,731,608	5,330,294	3.49	1.342
7309	971,348,463	33,700,883	3.47	1.335
7313	702,956,785	10,776,600	1.53	0.588
7317	1,401,745,011	32,773,878	2.34	0.900
7327*	43,082,544	3,224,307	7.48	1.000
7350	703,993,474	20,979,050	2.98	1.146
8709	440,829,790	4,200,289	0.95	0.365
8726	741,743,944	4,171,383	0.56	0.215
9077*	309,799	0	0.00	1.000
Overall	9,370,870,222	244,025,163	2.60	

   *Relativities for class codes with a limited amount of data are set to 1.000.

III.   Swing Limits

The proposed loss costs are limited to the swing limits based on 20% above and 20% below the current loss costs.

Classifications Limited by the Upper Swing
  NONE

Classifications Limited by the Lower Swing
  6826   6874   7317   7327
  8709   8726

APPENDIX B-IV

Derivation of State Base Pure Premium

	Indemnity	Medical	Total
1. Overall Countrywide Pure Premium			2.60
2. State Act Pure Premium Relativity Factor			1.558
3. Countrywide State Act Weight			25%
4. **Primary Base Pure Premium** =[(1) x (2) x (3)] + [(1) x (1 - (3))]			**2.96**
5. Countrywide Weights	53%	47%	100%
6. Trend Factors	0.968	0.972	xx
7. Weighted Benefits	1.000	1.000	xx
8. Weighted Loss-Based Expenses	1.270	1.210	xx
9. **Secondary Base Pure Premium** = (4tot) x (5) x (6) x (7) x (8)	1.929	1.636	**3.57**
10. Additional Offsets			0.993
11. **Final Base Pure Premium** = (9) x (10)			**3.55**

APPENDIX B-IV

Derivation of Proposed Loss Cost - Code 6872
Industry Group - F-Class, Hazard Group - G

The loss cost for the above-captioned classification is derived as follows:

1.	Missouri's Final Base Pure Premium	3.55
2.	Countrywide Class Code 6872 Relativity (Section II)	1.335
3.	Loss Cost = (1) x (2)	4.74
4.	Loss Cost Within Swing Limits	4.74

Current Loss Cost x Swing Limits
a) Lower bound = 4.76 x 0.80 = 3.81
a) Upper bound = 4.76 x 1.20 = 5.71

5.	Miscellaneous Loadings	0.00
6.	Final Loaded Loss Cost	4.74

APPENDIX B-IV

U.S. Longshore and Harbor Workers' Compensation Act Assessment

The F-class and Program II, Option II maritime class voluntary loss costs
include the following provision for the federal assessment:

   1.)   Assessment Rate on Indemnity Losses *   8.0%

   2.)   Assessment Rate on Total Losses #   4.5%

   *   Calculated using data provided by the U.S. Department of Labor
   #   Calculated using U.S. Department of Labor data and on-leveled and developed USL&HW losses - statistical plan data

Appendix B-V

Calculation of Coal Mine Traumatic and Disease

Coal mine experience is reflected in the following class codes:

- Surface Coal Mine – Class Code 1005
- Underground Coal Mine – Class Code 1016

The traumatic loss cost for Surface Coal Mine Class Code 1005 is calculated based on WCSP data as explained in Appendices B-I through B-III. Class Code 1005 is in the Miscellaneous industry group.

The traumatic loss cost for Underground Coal Mine Class Code 1016 is calculated using WCSP data. Pure premiums are calculated and adjusted for trend, benefits, and any applicable offsets or expense provisions. Swing limits for Class Code 1016 are applied around the current loss cost.

The disease portion of class codes 1005 and 1016 is calculated by weighting a state and federal disease pure premium component. Expense provisions, where applicable, are applied as a final step in the calculation of the disease loss cost.

For benefits provided under the Federal Coal Mine Health & Safety Act (federal benefits), the expected number of claims is based on data from the U.S. Department of Labor's Federal Black Lung Database. Estimating the expected number of claims entitled to federal benefits for an individual jurisdiction is difficult due to the scarcity of historical data. Therefore, data pooled across multiple states is relied upon to develop a credible level of experience.

The loss costs shown on the Basic Manual pages for class codes 1005 and 1016 are a combination of the traumatic and state and federal disease portions.

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Appendix C – Memoranda for Laws and Assessments

The purpose of this appendix is to provide details on changes affecting workers compensation benefit costs that are not yet reflected in the on-level factors shown in Appendix A-I. Such changes may result from annual updates in medical reimbursement levels or other changes that directly affect worker compensation benefit levels. In addition, changes to the administration of the workers compensation system, including benefit levels, may result from specific regulatory, legislative, or judicial action. The overall effect of benefit changes displayed within this appendix is calculated as of the benefit effective date, which may differ from the overall impact on the filing as shown in the Executive Summary.

In this year's filing, there have been no newly enacted benefit changes in Missouri.

Part 4   Additional Information

- Definitions

- NCCI Affiliate List

- Key Contacts

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Definitions

Accident Year (AY): A loss accounting definition in which experience is summarized by the calendar year in which an accident occurred.

Calendar Year (CY):
- The 12-month period beginning January 1 and ending December 31.
- Method of accounting for all financial transactions occurring during a specific year.

Case Reserves: Reserves that an insurance company establishes for specific (known) claims.

DSR Level Premium: The standard earned premium that would result if business were written at NCCI state-approved loss costs or rates instead of at the company rates. It is the common benchmark level at which carriers report premium on the Financial Calls.

Frequency: The number of lost-time claims per million dollars of on-leveled, wage-adjusted premium.

Incurred Claim Count: The total of all claims reported, whether open or closed, as of a given valuation date. An indemnity claim is associated with a payment or case reserve for an indemnity loss (i.e., lost work time-related benefits) and excludes claims closed without an indemnity payment.

Lost-time Claims: Claims where an injured employee has received wage replacement benefits due to a compensable workplace injury.

Limited Losses: Losses that result after the application of NCCI's large loss procedure—in which individual large claims are limited to jurisdiction and year-specific large loss thresholds.

On-Level Factor: Applied to historical premiums and losses to adjust the historical experience to reflect approved loss cost/rate level changes as well as statutory benefit level changes implemented since that time.

Paid+Case Losses: The sum of paid losses and case reserves. Also known as "case incurred losses."

Paid Losses: Losses that an insurance company has paid as a result of claim activity.

Advisory Loss Costs and Rating Values Filing – January 1, 2025

Definitions

Policy Year:
- The one-year period beginning with the effective date or anniversary of a policy.
- A premium and loss accounting definition in which experience is summarized for all policies with effective dates in a given calendar year period.

Severity: The average cost per case (claim) calculated as ultimate losses divided by ultimate lost-time claim counts.

Ultimate Development Factor: For an aggregation of data, an estimate of the development that will occur between the data's current valuation date and the time when all claims are closed.

Unlimited Losses: Losses that have not been limited to jurisdiction and year-specific large loss thresholds as part of NCCI's large loss procedure.

Valuation Date: The date that premiums and losses are evaluated for reporting purposes. Premiums and losses may change over time from initial estimates to final values. Therefore, interim snapshots have associated valuation dates.

Wage Level Adjustment Factor: The ratio of the average workers' wages during the most recent time period to the average workers' wages during a historical time period.

7710 INSURANCE COMPANY	ASCOT INSURANCE COMPANY
A M C O INSURANCE COMPANY	ASSOCIATION CASUALTY INS CO
ACADIA INSURANCE COMPANY	ATLANTIC SPECIALTY INS CO
ACCIDENT FUND GENERAL INS CO	AUSTIN MUTUAL INSURANCE COMPANY
ACCIDENT FUND INS CO OF AMERICA	AUTO OWNERS INS CO
ACCIDENT FUND NATIONAL INS CO	BANKERS STANDARD INS CO
ACCIDENT INSURANCE COMPANY INC	BEARING MIDWEST CASUALTY COMPANY
ACCREDITED SURETY & CASUALTY COMPANY INC	BENCHMARK INSURANCE COMPANY
ACE AMERICAN INSURANCE COMPANY	BERKLEY CASUALTY COMPANY
ACE FIRE UNDERWRITERS INSURANCE COMPANY	BERKLEY INSURANCE COMPANY
ACE PROPERTY & CASUALTY INSURANCE COMPANY	BERKLEY NATIONAL INSURANCE COMPANY
ACIG INS CO	BERKLEY REGIONAL INS CO
ACUITY A MUTUAL INS COMPANY	BERKSHIRE HATHAWAY DIRECT INSURANCE COMPANY
ADDISON INSURANCE COMPANY	BERKSHIRE HATHAWAY HOMESTATE INS CO
AIG ASSURANCE COMPANY	BITCO GENERAL INSURANCE CORPORATION
AIG PROPERTY CASUALTY COMPANY	BITCO NATIONAL INSURANCE COMPANY
AIU INSURANCE CO	BLACKBOARD INSURANCE COMPANY
AK NATIONAL INS CO	BLOOMINGTON COMPENSATION INS CO
ALLIED EASTERN IND CO	BRICKSTREET MUTUAL INS CO
ALLIED INSURANCE COMPANY OF AMERICA	BROTHERHOOD MUTUAL INS CO
ALLIED PROPERTY AND CASUALTY INS CO	CALIFORNIA INSURANCE COMPANY
ALLMERICA FINANCIAL ALLIANCE INS CO	CAROLINA CASUALTY INS CO
ALLMERICA FINANCIAL BENEFIT INS CO	CHARTER OAK FIRE INS CO
AMERICAN ALTERNATIVE INSURANCE CORPORATION	CHEROKEE INS CO
AMERICAN AUTOMOBILE INSURANCE CO	CHIRON INSURANCE COMPANY
AMERICAN BUILDERS INSURANCE COMPANY	CHUBB INDEMNITY INS CO
AMERICAN BUSINESS AND MERCANTILE INS MUTUAL INC	CHUBB NATIONAL INS CO
AMERICAN CASUALTY COMPANY OF READING P A	CHURCH MUTUAL INS CO, S.I.
AMERICAN COMPENSATION INS CO	CIMARRON INSURANCE COMPANY INC
AMERICAN ECONOMY INS CO	CINCINNATI CASUALTY COMPANY
AMERICAN FAMILY HOME INS CO	CINCINNATI INDEMNITY COMPANY
AMERICAN FAMILY INS CO	CINCINNATI INS CO
AMERICAN FAMILY MUTUAL INSURANCE COMPANY, S.I.	CITIZENS INS CO OF AMERICA
AMERICAN FIRE AND CASUALTY CO	CLEAR SPRING AMERICAN INSURANCE COMPANY
AMERICAN GUARANTEE AND LIABILITY INS CO	CLEAR SPRING CASUALTY INSURANCE COMPANY
AMERICAN HOME ASSUR CO-NATIONAL UNION FIRE OF PIT	CLEAR SPRING NATIONAL INSURANCE COMPANY
AMERICAN INTERSTATE INS CO	CLEAR SPRING PROPERTY AND CASUALTY COMPANY
AMERICAN INTERSTATE INS CO OF TX	COLONIAL AMERICAN CASUALTY & SURETY CO
AMERICAN LIBERTY INSURANCE CO	COLONIAL SURETY COMPANY
AMERICAN MODERN HOME INS CO	COLUMBIA MUTUAL INSURANCE CO
AMERICAN NATIONAL PROPERTY AND CASUALTY CO	COLUMBIA NATIONAL INS CO
AMERICAN SELECT INS CO	COMMERCE AND INDUSTRY INS CO
AMERICAN STATES INS CO A SAFECO COMPANY	COMPSOURCE MUTUAL INSURANCE COMPANY
AMERICAN SUMMIT INS CO	CONSOLIDATED INS CO
AMERICAN ZURICH INS CO	CONTINENTAL CASUALTY CO
AMERISURE INS CO	CONTINENTAL INDEMNITY CO
AMERISURE MUTUAL INS CO	CONTINENTAL INS CO
AMERISURE PARTNERS INS CO	CONTINENTAL WESTERN INSURANCE COMPANY
AMERITRUST INS CORP	COPPERPOINT CASUALTY INSURANCE COMPANY
AMFED ADVANTAGE INSURANCE COMPANY	COPPERPOINT PREMIER INSURANCE COMPANY
AMFED CASUALTY INS CO	COREPOINTE INSURANCE COMPANY
AMFED NATIONAL INSURANCE COMPANY	COUNTRY MUTUAL INSURANCE CO
AMGUARD INS CO	CRESTBROOK INS CO
AMTRUST INSURANCE CO	CRUM AND FORSTER INDEMNITY CO
ARCH INDEMNITY INSURANCE COMPANY	DAKOTA TRUCK UNDERWRITERS
ARCH INSURANCE COMPANY	DEPOSITORS INS CO
ARCH PROPERTY CASUALTY INS CO	DIAMOND INS CO
ARGONAUT GREAT CENTRAL INS CO	DIGITAL ADVANTAGE INS CO
ARGONAUT INS CO	EASTERN ADVANTAGE ASSURANCE COMPANY
ARGONAUT MIDWEST INS CO	EASTERN ALLIANCE INSURANCE COMPANY

EASTGUARD INS CO	GREAT MIDWEST INS CO
EMC PROPERTY & CASUALTY COMPANY	GREAT NORTHERN INS CO
EMCASCO INS CO	GREAT WEST CASUALTY COMPANY
EMPLOYERS ASSURANCE COMPANY	GREENWICH INS CO
EMPLOYERS COMPENSATION INS CO	GRINNELL MUTUAL REINSURANCE CO
EMPLOYERS INS CO OF WAUSAU	GUIDEONE ELITE INS CO
EMPLOYERS INSURANCE COMPANY OF NEVADA	GUIDEONE INSURANCE COMPANY
EMPLOYERS MUTUAL CASUALTY CO	GUIDEONE SPECIALTY INSURANCE COMPANY
EMPLOYERS PREFERRED INS CO	HANOVER AMERICAN INS CO
ENDURANCE AMERICAN INS CO	HANOVER INS CO
ENDURANCE ASSURANCE CORPORATION	HARLEYSVILLE INSURANCE COMPANY
ERIE INS CO	HARTFORD ACCIDENT AND INDEMNITY CO
ERIE INS CO OF NY	HARTFORD CASUALTY INS CO
ERIE INS EXCHANGE	HARTFORD FIRE INSURANCE CO
ERIE INS PROPERTY AND CASUALTY CO	HARTFORD INS CO OF IL
EVEREST DENALI INSURANCE COMPANY	HARTFORD INS CO OF MIDWEST
EVEREST NATIONAL INS CO	HARTFORD INS CO OF THE SOUTHEAST
EVEREST PREMIER INSURANCE COMPANY	HARTFORD UNDERWRITERS INS CO
EVEREST REINSURANCE CO DIRECT	HAWKEYE-SECURITY INS CO
EXACT PROPERTY AND CASUALTY CO INC	HDI GLOBAL INSURANCE COMPANY
EXECUTIVE RISK INDEMNITY INC	HOME OWNERS INS CO
EXPLORER INS CO	HORIZON MIDWEST CASUALTY COMPANY
FARMERS INSURANCE EXCHANGE	ILLINOIS CASUALTY COMPANY
FARMINGTON CASUALTY COMPANY	ILLINOIS NATIONAL INSURANCE COMPANY
FCCI INSURANCE COMPANY	IMPERIUM INSURANCE COMPANY
FEDERAL INSURANCE COMPANY	INCLINE CASUALTY COMPANY
FEDERATED MUTUAL INS CO	INDEMNITY INS CO OF N AMERICA
FEDERATED RESERVE INSURANCE CO	INS CO OF NORTH AMERICA
FEDERATED RURAL ELECTRIC INS EXCHANGE	INS CO OF THE STATE PA
FEDERATED SERVICE INS CO	INS CO OF THE WEST
FIDELITY & DEPOSIT COMPANY OF MARYLAND	INTREPID CASUALTY COMPANY
FIDELITY & GUARANTY INS UNDERWRITERS	INTREPID INSURANCE COMPANY
FIDELITY & GUARANTY INSURANCE CO	KEY RISK INS CO
FIRE INS EXCHANGE	LIBERTY INS CORP
FIREMANS FUND INSURANCE CO	LIBERTY INSURANCE UNDERWRITERS INC
FIREMENS INS CO OF WASHINGTON DC	LIBERTY MUTUAL FIRE INS CO
FIRST DAKOTA INDEMNITY CO	LIBERTY MUTUAL INS CO
FIRST LIBERTY INS CORP	LM INS CORP
FIRST NATIONAL INS CO OF AMERICA	MA BAY INS CO
FIRSTCOMP INSURANCE CO	MAG MUTUAL INS CO
FLAGSHIP CITY INS CO	MANUFACTURERS ALLIANCE INS CO
FLORISTS MUTUAL INSURANCE CO	MARKEL AMERICAN INSURANCE CO
FOREMOST INS CO GRAND RAPIDS MICHIGAN	MARKEL INSURANCE CO
FOREMOST PROPERTY & CAS INS	MCDONALDS OPERATORS RISK MGMT ASSOC OF MO
FOREMOST SIGNATURE INS CO	MEMIC INDEMNITY CO
FRANK WINSTON CRUM INSURANCE CO	MERIDIAN SECURITY INSURANCE COMPANY
FREEDOM SPECIALTY INSURANCE COMPANY	MID CENTURY INS CO
FUEL MARKETERS INSURANCE TRUST	MIDDLESEX INS CO
GENERAL CASUALTY COMPANY OF WISCONSIN	MIDSOUTH MUTUAL INSURANCE COMPANY
GENERAL CASUALTY INSURANCE COMPANY	MIDVALE INDEMNITY COMPANY
GENERAL INS CO OF AMERICA	MIDWEST EMPLOYERS CASUALTY CO
GENESIS INS CO	MIDWEST FAMILY ADVANTAGE INSURANCE CO
GRANITE STATE INSURANCE COMPANY	MIDWEST FAMILY MUTUAL INS CO
GRAY INSURANCE COMPANY	MIDWEST INS CO
GREAT AMERICAN ALLIANCE INS CO	MIDWESTERN INDEMNITY CO
GREAT AMERICAN ASSURANCE COMPANY	MILBANK INSURANCE COMPANY
GREAT AMERICAN INS CO OF NY	MILFORD CASUALTY INSURANCE CO
GREAT AMERICAN INSURANCE COMPANY	MITSUI SUMITOMO INS CO OF AMERICA
GREAT AMERICAN SPIRIT INS CO	MITSUI SUMITOMO INS USA INC
GREAT DIVIDE INSURANCE COMPANY	MO EMPLOYERS MUTUAL INS CO

MO RURAL SERVICES WC INS TRUST	PLAZA INSURANCE CO
MO WOOD INDUSTRY INS TRUST	PRAETORIAN INSURANCE COMPANY
MONROE GUARANTY INS CO	PREFERRED EMPLOYERS INS CO
NATIONAL AMERICAN INS CO	PREFERRED PROFESSIONAL INSURANCE COMPANY
NATIONAL BUILDERS INSURANCE COMPANY	PREMIER GROUP INS CO
NATIONAL CASUALTY CO	PRESCIENT NATIONAL INSURANCE COMPANY
NATIONAL FIRE INS CO OF HARTFORD	PRIVILEGE UNDERWRITERS RECIPROCAL EXCHANGE
NATIONAL INTERSTATE INS CO	PROPERTY AND CASUALTY INS CO OF HARTFORD
NATIONAL LIABILITY & FIRE INSURANCE CO	PROTECTIVE INS CO
NATIONAL SPECIALTY INS CO	QBE INSURANCE CORPORATION
NATIONAL SUMMIT INS CO	REDWOOD FIRE & CASUALTY INS CO
NATIONAL SURETY CORP	REGENT INSURANCE COMPANY
NATIONAL TRUST INS CO	REPUBLIC INDEMNITY CO OF CA
NATIONAL UNION FIRE INS CO OF PITTSBURGH PA	REPUBLIC INDEMNITY COMPANY OF AMERICA
NATIONWIDE AGRIBUSINESS INS CO	RIVERPORT INSURANCE COMPANY
NATIONWIDE ASSURANCE CO	RLI INSURANCE COMPANY
NATIONWIDE GENERAL INSURANCE CO	ROCKWOOD CASUALTY INS CO
NATIONWIDE INS CO OF AMERICA	RURAL TRUST INSURANCE COMPANY
NATIONWIDE MUTUAL INS CO	SAFECO INS CO OF AMERICA
NATIONWIDE PROPERTY AND CASUALTY INS CO	SAFETY FIRST INS CO
NETHERLANDS INSURANCE COMPANY	SAFETY NATIONAL CASUALTY CORP
NEW HAMPSHIRE INSURANCE COMPANY	SAGAMORE INSURANCE CO
NEW YORK MARINE AND GENERAL INSURANCE CO	SAMSUNG FIRE AND MARINE INS CO LTD USB
NHRMA MUTUAL INSURANCE COMPANY	SCOTTSDALE INDEMNITY CO
NORGUARD INS CO	SECURA INSURANCE COMPANY
NORMANDY INSURANCE COMPANY	SECURA SUPREME INS CO
NORTH POINTE INS CO	SECURITY NATIONAL INS CO
NORTH RIVER INS CO	SELECT INS CO
NORTHSTONE INSURANCE COMPANY	SELECTIVE INS CO OF SC
NOVA CASUALTY COMPANY	SELECTIVE INS CO OF THE SOUTHEAST
NUTMEG INS CO	SELECTIVE INSURANCE COMPANY OF AMERICA
OAK RIVER INSURANCE COMPANY	SELECTIVE WAY INS CO
OBI AMERICA INSURANCE COMPANY	SENTINEL INS CO
OBI NATIONAL INSURANCE COMPANY	SENTRY CASUALTY CO
OH CASUALTY INS CO	SENTRY INS CO
OH FARMERS INS CO	SENTRY SELECT INSURANCE COMPANY
OHIO SECURITY INS CO	SEQUOIA INSURANCE CO
OLD GUARD INSURANCE COMPANY	SERVICE AMERICAN INDEMNITY COMPANY
OLD REPUBLIC GENERAL INSURANCE CORPORATION	SERVICE LLOYDS INSURANCE CO, A STOCK COMPANY
OLD REPUBLIC INS CO	SFM MUTUAL INS CO
OMAHA NATIONAL INS CO	SILVER OAK CASUALTY INC
OWNERS INSURANCE COMPANY	SIRIUSPOINT AMERICA INSURANCE COMPANY
PA MANUFACTURERS ASSN INS CO	SOMPO AMERICA FIRE & MARINE INSURANCE COMPANY
PA MANUFACTURERS INDEMNITY CO	SOMPO AMERICA INSURANCE COMPANY
PA NATIONAL MUTUAL CAS INS CO	SOUTHERN INS CO
PACIFIC COMPENSATION INSURANCE CO	ST PAUL FIRE AND MARINE INS CO
PACIFIC EMPLOYERS INS CO	ST PAUL GUARDIAN INS CO
PACIFIC INDEMNITY CO	ST PAUL PROTECTIVE INS CO
PARK NATIONAL INS COMPANY	STANDARD FIRE INSURANCE COMPANY
PATRONS MUTUAL INS CO OF CT	STAR INS CO
PEERLESS INDEMNITY INS CO	STARNET INSURANCE COMPANY
PEERLESS INSURANCE COMPANY	STARR INDEMNITY AND LIABILITY CO
PENN MILLERS INS CO	STARR SPECIALTY INSURANCE COMPANY
PENNSYLVANIA INSURANCE COMPANY	STARSTONE NATIONAL INSURANCE COMPANY
PETROLEUM CASUALTY CO	STATE AUTO PROPERTY AND CASUALTY INS CO
PHARMACISTS MUTUAL INS CO	STATE AUTOMOBILE MUTUAL INS CO
PHOENIX INS CO	STATE FARM FIRE AND CASUALTY CO
PIE INSURANCE COMPANY	STATE NATIONAL INSURANCE COMPANY
PINNACLE NATIONAL INSURANCE COMPANY	STONETRUST COMMERCIAL INS CO
PINNACLEPOINT INSURANCE COMPANY	STONETRUST PREMIER CASUALTY INSURANCE CO

STONINGTON INS CO
SUMMITPOINT INSURANCE COMPANY
SUNZ INSURANCE COMPANY
SUTTON NATIONAL INSURANCE COMPANY
SWISS RE CORPORATE SOLUTIONS AMERICA INS CORP
SWISS RE CORPORATE SOLUTIONS ELITE INS CORP
SWISS RE CORPORATE SOLUTIONS PREMIER INS CORP
T H E INSURANCE COMPANY
TECHNOLOGY INSURANCE CO
THE TRAVELERS CASUALTY COMPANY
TNUS INSURANCE CO
TOKIO MARINE AMERICA INSURANCE CO
TRANS PACIFIC INS CO
TRANSGUARD INS CO OF AMERICA INC
TRANSPORTATION INS CO
TRAVCO PERSONAL INSURANCE COMPANY
TRAVELERS CASUALTY & SURETY CO OF AMERICA
TRAVELERS CASUALTY AND SURETY CO
TRAVELERS CASUALTY INS CO OF AMERICA
TRAVELERS COMMERCIAL CASUALTY CO
TRAVELERS INDEMNITY CO
TRAVELERS INDEMNITY CO OF AMERICA
TRAVELERS INDEMNITY CO OF CT
TRAVELERS INSURANCE CO
TRAVELERS PROPERTY CASUALTY CO OF AMERICA
TRI STATE INSURANCE COMPANY OF MINNESOTA
TRIANGLE INSURANCE COMPANY INC
TRIUMPHE CASUALTY COMPANY
TRUCK INSURANCE EXCHANGE
TRUMBULL INS CO
TWIN CITY FIRE INS CO
UNION INS CO OF PROVIDENCE
UNION INSURANCE COMPANY
UNITED FIRE AND CASUALTY CO
UNITED STATES FIDELITY AND GUARANTY CO
UNITED WI INS CO
US FIRE INS CO
UTAH BUSINESS INSURANCE COMPANY INC
UTICA MUTUAL INS CO
VALLEY FORGE INS CO
VANLINER INS CO
VANTAPRO SPECIALTY INS CO
VICTORIA FIRE & CASUALTY COMPANY
VIGILANT INS CO
WAUSAU BUSINESS INSURANCE COMPANY
WAUSAU UNDERWRITERS INSURANCE COMPANY
WAYPOINT MUTUAL
WCF NATIONAL INSURANCE COMPANY
WCF SELECT INSURANCE COMPANY
WELLFLEET INSURANCE COMPANY
WELLFLEET NEW YORK INSURANCE COMPANY
WESCO INSURANCE COMPANY
WEST AMERICAN INS CO
WEST BEND INSURANCE COMPANY
WESTCHESTER FIRE INSURANCE COMPANY
WESTFIELD CHAMPION INSURANCE COMPANY
WESTFIELD INS CO
WESTFIELD NATIONAL INS CO
WESTFIELD PREMIER INSURANCE COMPANY
WESTFIELD SUPERIOR INSURANCE COMPANY

WESTFIELD TOUCHSTONE INSURANCE COMPANY
WESTPORT INSURANCE CORPORATION
WILLIAMSBURG NATIONAL INS CO
WORK FIRST CASUALTY CO
XL INS CO OF NY INC
XL INSURANCE AMERICA INC
XL SPECIALTY INS CO
ZENITH INS CO
ZNAT INS CO
ZURICH AMERICAN INS CO
ZURICH AMERICAN INS CO OF IL

MISSOURI

Advisory Loss Costs and Rating Values Filing – January 1, 2025

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Supporting Document Schedules

Bypassed - Item:	Actuarial Justification
Bypass Reason:	N/A
Attachment(s):	
Item Status:	REVIEWED
Status Date:	11/26/2024

Bypassed - Item:	Electronic Rate Submission
Bypass Reason:	N/A
Attachment(s):	
Item Status:	REVIEWED
Status Date:	11/26/2024

Bypassed - Item:	Exhibits A & B (20 CSR 500-6.950)(2)
Bypass Reason:	N/A
Attachment(s):	
Item Status:	REVIEWED
Status Date:	11/26/2024

Satisfied - Item:	Filing Memorandum
Comments:	
Attachment(s):	Missouri 1-1-2025 Filing Cover Letter.pdf
Item Status:	REVIEWED
Status Date:	11/26/2024

Satisfied - Item:	Filing Narrative
Comments:	
Attachment(s):	Missouri 1-1-2025 Filing Narrative.pdf
Item Status:	REVIEWED
Status Date:	11/26/2024

Satisfied - Item:	Interrogatory Response
Comments:	
Attachment(s):	NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424.pdf NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424_Exhibits.zip
Item Status:	REVIEWED

Status Date:	11/26/2024

Satisfied - Item:	Interrogatory Response - 10-18-2024
Comments:	
Attachment(s):	NCCI_Responses_to_the_Missouri_DCI_Requests_dated_100924.pdf
Item Status:	REVIEWED
Status Date:	11/26/2024

Attachment NCCI_Responses_to_the_Missouri_DCI_Requests_dated_090424_Exhibits.zip is not a PDF document and cannot be reproduced here.

David E. Benedict, CPCU, AU, WCP
Senior State Relations Executive
Regulatory Division

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Email: david_benedict@ncci.com

August 19, 2024

The Honorable Chlora Lindley-Myers
Director
Missouri Department of Commerce and Insurance
Harry S Truman State Office Building
301 W. High St., Room 530
Jefferson City, Missouri 65101

Re: Missouri Advisory Loss Costs and Rating Values Filing Proposed Effective January 1, 2025

Dear Director Lindley-Myers:

In accordance with the applicable statutes and regulations of the state of Missouri, we are filing advisory voluntary loss costs and rating values to be effective January 1, 2025, for new and renewal policies. Enclosed are NCCI's Voluntary Loss Costs Including Trend proposed to be effective January 1, 2025. The proposed loss costs represent an overall average change of −5.3% from the current, similar set of loss costs that have been in effect since January 1, 2024. Reported COVID-19-related claims have been excluded from the data on which this filing is based for claims prior to July 1, 2023 to better reflect the conditions likely to prevail during the proposed effective period. As a result of approved Item E-1410, claims attributable to COVID-19 with accident dates on or after July 1, 2023 are no longer treated as catastrophic claims.

This filing is made exclusively on behalf of the companies that have given valid consideration for the express purpose of fulfilling regulatory rate or pure premium filing requirements and other private use of this information. I hereby certify that I am familiar with Missouri's insurance laws, rules, and regulations, and to the best of my knowledge, information, and belief, this filing complies in all respects to such laws, rules, and regulations.

In the enclosed appendix is a list of companies that, as of the time this filing is submitted, are eligible to reference this information. The inclusion of a company on this list merely indicates that the company, or the group to which it belongs, is affiliated with NCCI in this state, or has licensed this information as a non-affiliate, and is not intended to indicate whether the company is currently writing business or is even licensed to write business in this state.

Please contact me if you have any questions or need further information.

Sincerely,

David E. Benedict, CPCU, AU, WCP
Senior State Relations Executive

Summary of the Proposed Missouri Workers Compensation
Loss Cost Filing Effective January 1, 2025

The National Council on Compensation Insurance (NCCI)[1] is pleased to provide this summary of the accompanying proposed workers compensation insurance loss cost[2] filing that was filed under separate cover on August 19, 2024, with the Missouri Department of Insurance for its review.

The filing recommends a –5.3% loss cost level decrease in the voluntary market, effective January 1, 2025.

Missouri Overview

The proposed filing is based on premium and loss experience as of year-end 2023 from Policy Years 2021 and 2022 and shows improved experience relative to the data underlying the filing effective January 1, 2024. Missouri's lost-time claim frequency continues its long-term decline, with a notable reduction observed in the latest year. While indemnity and medical severity both increased moderately in 2022, loss ratios continue to decrease. Accordingly, lower trend factors were applied in this filing. The proposed loss cost level change also includes an update to the loss-based expense component, along with a factor to reflect the inclusion of assigned risk experience.

Countrywide Overview

The workers compensation (WC) system remains healthy. The Calendar Year 2023 combined ratio for workers compensation was 86%, a sign of underwriting profitability, where the net written premium increased by 1%.

Frequency has continued its long-term decline and on a countrywide basis, while claim severity changes were considered moderate for 2023. The continued focus on worker safety and technological advancements are regarded as contributing to fewer workplace injuries over time. The latest medical severity change aligns with projected medical inflation, while indemnity severity tracked with changes in average weekly wages.

Payroll increased by 6% between 2022 and 2023, driven by increases in both employment and wages. Conversely, WC system costs have increased at a slower pace than wages during the same period. The great reshuffle of jobs has also slowed significantly as employee turnover settles near pre-pandemic levels and we see signs of the labor market normalizing rather than deteriorating.

Economic inflation as measured with the Consumer Price Index has been elevated over the past few years. However, this economic inflation has not generally translated to higher WC medical and

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[1] NCCI is a licensed advisory organization authorized to make recommended loss cost filings on behalf of workers compensation insurance companies in Missouri. NCCI's filings are objectively prepared, utilizing widely accepted actuarial ratemaking methodologies.

[2] "Loss cost" refers to the portion of workers compensation rates that are filed by the advisory organization and are allocated to pay losses but not carrier expenses. Some states include certain carrier expenses and assessments in the definition of "advisory loss costs." Carriers can use the approved loss costs as the basis for their rates, typically adjusting them for expenses with a loss cost multiplier.

indemnity benefit costs:

- Medical inflation has been more stable in the aggregate with the WC Weighted Medical Price Index showing an average increase of 2.6% for the past 3 years. Medical fee schedules have helped moderate price increases in workers compensation in states that have adopted them.

- Indemnity severity has largely been tracking wage inflation in recent years—a pattern which is not unusual considering indemnity costs are essentially wage replacement benefits for injured workers.

Conclusion

The workers compensation system continues to be healthy. While consumer inflation has been elevated, the inflation for workers compensation medical costs remained stable. The increases observed in indemnity severity are largely driven by increased wages, which have risen significantly in recent years. Workers Compensation premiums are based on payroll, which is an inflation-sensitive exposure base. The combination of continued frequency declines and moderate benefit costs at or below the level of wage growth, have continued to put downward pressure on overall WC system costs relative to collected premiums.

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1. **Have any of the data sources used in determining the Missouri Advisory Loss Costs and Rating Values Filing changed since the previous filing? For example, using data from a different data call to develop expenses.**

   There have not been any changes in the underlying data sources between this and last year's filings.

2. **Please provide the estimated overall impact for each change in methodology from the previous filing.**

   The only methodology change included in this filing is the introduction of the Factor to Reflect the Inclusion of Assigned Risk Experience. As shown in the filing, its impact on the indication is −0.7%.

3. **What is the rationale for the change from using 2-year average paid loss development factors to 3-year average paid loss development factors? What is the impact of this change?**

   The rationale for the change is included in the Loss Development section of Appendix A-II of the filing (pages 51–52). In addition, Missouri's indication is responsive to recent changes in experience by utilizing a two-Policy Year experience period. Using a three-year average for the paid development factors adds stability compared to a two-year average. Instead of having 50% of the experience period and 50% of development factors (for the paid methodology) drop off with each filing, which is a highly responsive methodology, we are opting for a slightly more stable approach (i.e., balancing stability and responsiveness).

   The impact of the change from a two-year average to a three-year average of paid loss development factors is −1.0%. That is, the indication would be a point higher had two-year average development factors for paid loss development been employed.

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4. **Please provide the derivation of the D-ratios by hazard group.**

    Please find the requested information enclosed as Exhibit 4. Note that a monotonicity smoother is applied after a D-ratio is calculated for each hazard group in column (6) to ensure they decrease from hazard group A to G. However, this resulted in no changes to the ratios between what is displayed in column (6) and the final D-ratios for the 1/1/2025 Missouri filing.

5. **Please provide loss development triangles with at least 10 diagonals for both the voluntary and assigned risk markets separated by indemnity, medical, and DCCE for the past 19 years. In the prior year, this was submitted as Exhibit 4 Development Triangles.xlsx. An updated version of this file will suffice for these purposes.**

    Please see the attached Exhibit 5 for the available loss development triangles.

6. **Has there been a study done to determine what has caused the volatility in recent paid loss development factor? Please provide the results of this study supporting this claim.**

    NCCI's standard comprehensive data validation identified no particular carrier as causing the recent volatility observed in the indemnity paid development factors. The decision to increase the length of the development average from two to three factors was based on actuarial judgement and the rationale provided in the Loss Development section of the filing's Appendix A-II (pages 51–52).

7. **Please provide an Excel file with the specific calculations used to determine Appendix A-II, Section G, column (6) for the most recent year.**

    Please see the attached Exhibit 7 for the requested information. The calculations are provided for indemnity and medical.

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8. **Please provide an excel file spreadsheet with the specific calculations that provide the derivation of the 0.709 factor in Appendix A-II, Section H, line 2.**

   Please see the attached Exhibit 8 for the requested information.

9. a. **What is the rationale for the addition of the Factor to Reflect Inclusion of Assigned Risk Experience?**

   Assigned risk premium and loss experience is included into the calculation of the voluntary loss costs. The premium associated with assigned risk policies is reported to NCCI at the NCCI voluntary loss cost level. Without applying the Factor to Reflect the Inclusion of Assigned Risk Experience, the resulting loss cost change would better reflect the average risk in Missouri rather than the average risk written in Missouri's voluntary market. This year, NCCI decided to implement the Factor to Reflect the Inclusion of Assigned Risk Experience to promote greater equity in the voluntary loss costs. Additionally, explicitly recognizing the impact of the assigned risk market is conceptually consistent with NCCI's methodology in a majority of NCCI states where assigned risk market experience is considered in ratemaking.

   b. **What is the impact of the inclusion of this factor on voluntary loss costs and assigned risk rates?**

   The impact on the voluntary loss cost level change is −0.7%. NCCI does not calculate or file assigned risk rates for Missouri.

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c. Please provide the assigned risk market share for the preceding 10 years to support the use of a 1% assigned risk market assumption.

Please see the attached Exhibit 9 for the requested information. Rather than establishing voluntary loss costs that assume all risks will be written at the NCCI loss cost level, the Factor to Reflect the Inclusion of Assigned Risk Experience is intended to recognize that there will inevitably be some minimum proportion of employers who obtain coverage in the assigned risk market each year. The market share selection considered the observed history across a 10-year period in which the assigned risk market share ranges from 1.2% to 2.5%, with more recent years on the lower end of this range. The selection of 1% recognizes the apparent asymptotic behavior of the market share in recent years and is intended to remain appropriate for some time.

d. Please provide loss ratios for the voluntary and assigned risk market over the preceding 10 years to demonstrate support for the claim that loss ratio experience of the assigned risk market is approximately 75% worse than that of the voluntary market, on average over time.

Please see the attached Exhibit 9 for the requested information. The selection of 75% (1.75) as the differential between assigned risk and voluntary loss experience considered the observed history across a 10-year period in which the assigned risk-to-voluntary loss ratio differential ranged from 1.395 to 3.833 on an unlimited and undeveloped paid plus case loss basis. The observed differential is prone to volatility, especially considering the relatively modest assigned risk market share. The selection of 1.75 for the differential also considered the assigned risk administrator's latest assigned risk rate filing. As with the market share, the differential selection is intended to remain appropriate for some time.

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10. Exhibit II Sections A and B:

a. **Please provide the underlying data and calculations to bring AOE and DCCE to an ultimate level including the development factors, AOE, DCCE, losses, and any other values used to determine the Ultimate AOE and DCCE ratios.**

Please see the attached Exhibit 10a – Countrywide AOE and Exhibit 10b – DCCE for the requested information.

b. **Please provide the Ultimate AOE Ratios for MO only data.**

Unlike with DCCE, NCCI does not have the data required to calculate a Missouri-only AOE ratio. The data source for NCCI's AOE analysis, Financial Call #19, is reported to NCCI on a countrywide basis. Therefore, state-specific AOE data is not available. A "Missouri-only" AOE ratio can only be calculated for Missouri Employers Mutual (MEM) because the carrier does not currently write business in any other state. Note that the approach to calculating the Missouri AOE provision remains the same as that of the previous year's filing. The Missouri AOE provision is based on a weighted average of the countrywide private carrier AOE provision (Exhibit 10a) and the indicated provision for MEM. Please see the attached Exhibit 10c for the indicated AOE provision for MEM and the calculation of the weightings applied to each provision to derive the calculated overall Missouri AOE provision.

11. Appendix A-I Section A and Section D: Please provide the underlying data and calculations to support the factors in column (6).

In addition to adjusting historical policy year experience to the current loss cost and benefit levels, the calculations in Appendix A-I also bring premium to a pure loss level. This is necessary because DSR Premium is reported to NCCI at the voluntary loss cost level, which includes the Loss Adjustment Expense (LAE) provision in Missouri. After the application of the factor in column (5), premium will have been brought to the current (1/1/24) loss cost level. The factor shown in column (6) then removes the current loss adjustment expense provision. This factor is calculated as 1 / 1.203 = 0.831, where 1.203 is 1 plus the current loss adjustment expense provision of 20.3% (effective 1/1/24).

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12. Appendix A-IV Section I: Please show the calculations underlying the factors in Col (4) and Col (5)

Column (4) shows the current manual premium to standard premium ratios that were calculated using the latest five years of WCSP data underlying the 1/1/2024 Missouri filing. Column (5) shows the proposed manual premium to standard premium ratios calculated using the latest five years of WCSP data underlying the 1/1/2025 Missouri filing. Standard premium is calculated as the reported manual premium multiplied by the reported experience modification factor. Please see Exhibit 12 for the calculation of these factors.

13. Appendix B-I Section I: Please provide underlying data and calculations for how the Likely-to-Develop and Not-Likely-to-Develop columns are calculated.

Please find the requested information enclosed as Exhibit 13.

14. Appendix B-II Section 1: Please provide more details regarding the iterative process used to determine the test correction factor.

Test correction factors (TCFs) adjust the loss costs by industry group to ensure that the actual new pure premium level is equivalent to the targeted pure premium level. The reviewed rate level by industry group is the product of the proposed pure premium level and the industry group differentials. The determination of the TCFs by industry group is an iterative process, with a maximum of 16 iterations. At each iteration, the ratio of the reviewed rate level to the premium level change implied by the TCF is taken. The TCF which results in the ratio with the minimal distance to unity is selected.

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15. Please provide the indication as of 1/1/2025 if all assigned risk experience was excluded. Please provide these calculations in an excel file and include all the underlying components that will change because they are based on only voluntary experience, such as loss development, trend, LAE, etc.

A strictly voluntary indication is not available. After excluding assigned risk losses and premium from the experience period and removing the Factor to Reflect the Inclusion of Assigned Risk Experience, the resulting indication is −5.3%, which happens to be unchanged from the indication that includes assigned risk experience and the corresponding factor. For more details, please refer to the attached Exhibit 15.

16. Please provide, in Excel format, the derivation of the test correction factors in Appendix B-II by industry group. Please include an exhibit that demonstrates that the proposed loss costs effect the desired change by industry group.

Please see the attached Exhibit 16 for the requested information.

17. Provide the Missouri Class Experience Sheets (A-Sheets) for the five policy years underlying loss costs and assigned risk rates in the filing. Provide in Excel format.

Please see the attached Exhibit 17 for the requested information.

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18. Please provide an Excel file with seven columns of information. The first column should be the class code, the second column should be the exposures by class code, the third column should be the current advisory loss cost, the fourth column should be the proposed advisory loss cost by class code and the last three columns should be the percentage loss cost changes effective 2025, 2024, and 2023 by class code. Include totals in columns 4, 5 and 6 and please exclude discontinued classes. This file was submitted as Exhibit 18 Loss Cost Comparison.xlsx for the 2023 filing.

Please find the requested information enclosed as Exhibit 18. The exposure reflects the most recent policy period used in the Missouri 1/1/2025 filing. The prior year changes exclude class codes that are discontinued as of 1/1/2025.

19. Please confirm that the indication provided in Exhibit I is an indication for the voluntary market but that the data upon which it is based is on combined voluntary and assigned risk plan losses. If not, please explain. Please confirm that although the voluntary indications are based on combined voluntary and assigned risk plan data, that you are not providing loss costs or rates for the assigned risk market.

Yes, the indication provided in Exhibit I of the filing is intended and appropriate for the voluntary market. To take advantage of a broader base of experience and limit the underwriting cycle's influence on NCCI's ratemaking, the data used to derive this indication includes both voluntary market and assigned risk plan experience. With the introduction of the Factor to Reflect the Inclusion of Assigned Risk Experience in this filing, the indication has been adjusted to contemplate the contribution of an expected level of assigned risk plan experience, which promotes improved equity in the voluntary loss costs. Additionally, NCCI does not calculate or file assigned risk loss costs or rates for Missouri.

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20. Does the NCCI continue to track COVID-19 claim counts and losses subsequent to July 1, 2023?

After July 1, 2023, COVID-19 claims will not be separately identified in NCCI's Financial Calls. However, NCCI will continue to track COVID-19 claim counts and losses through two other data streams – the Unit Statistical Plan and the Indemnity Data Call (IDC). COVID-19 claims reported via these data sources will be assigned an identifying nature of injury and cause of injury code. This will allow NCCI to continue to track all COVID-19 claims going forward regardless of accident date or claim size.

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1. **The assigned risk market share for derived in Exhibit 9 shows that the market share percentage has been between 1.2% and 1.4% for the past 5 years. What would the impact be to the indication of selecting an assigned risk market share percentage of 1.3%?**

   A market share selection of 1.3% would have resulted in a Factor to Reflect the Inclusion of Assigned Risk Experience of 0.990 and a corresponding overall voluntary loss cost level change of −5.5 (as compared to the filed change of −5.3%).

2. **What is the rationale for selecting an assigned risk market share percentage of 1% given that the market share does not seem to be declining further from its present level over time?**

   The selected market share is based on actuarial judgment rather than on the results of a mechanical calculation. The selection of 1% reflects the apparent minimum size of Missouri's assigned risk market over the long term and is intended to remain appropriate across the next several voluntary loss cost filings.

   Missouri Assigned Risk Market Share Based on DSR Premium
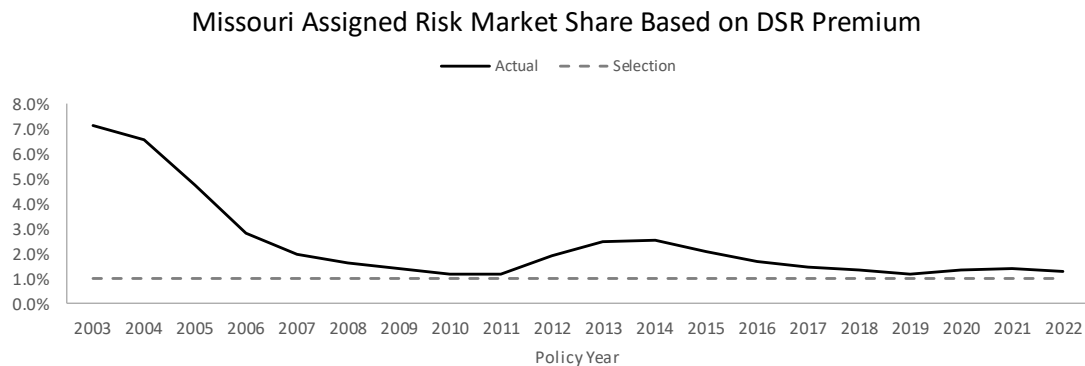
   Having the selected market share closely follow the observed data would result in lower voluntary loss costs during periods of assigned risk market growth and higher voluntary loss costs during periods of assigned risk market decay. NCCI's position is that it is both counterintuitive and counterproductive to put downward pressure on the voluntary loss costs solely due to growth in the assigned risk market, and vice versa, as such a method would act to discourage depopulation

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of the involuntary market and possibly extend the underwriting cycle. Thus, a general philosophy of NCCI ratemaking is to select an assigned risk market share and maintain it from filing to filing, which promotes stability in the voluntary loss costs.

Additionally, selecting a market share based on the apparent floor of the assigned risk market not only reduces the likelihood of the undesirable outcome of reflecting more premium than is actually in effect (which would exert greater downward pressure on the voluntary loss costs than necessary), but also provides a modest incentive to maintain or even slightly reduce the current assigned risk market share.

3. **The experience differentials in Exhibit 9, show ratios that are much larger than 1.75 in 4 of the last 7 years. Please explain the rationale for selecting 1.75 as the experience differential given that historical ratios would suggest a higher experience differential is necessary.**

The selected differential is based on actuarial judgment rather than on the results of a mechanical calculation. Given the relatively lower volumes of data in the assigned risk market and its historically cyclical nature, NCCI generally focuses on observed data over the long term when selecting an assigned risk experience differential. Over the last twenty years, the observed differential has ranged from 0.881 to 3.831 on a paid plus case basis and from 0.910 to 2.487 on a paid basis. Additionally, the empirical differential can swing significantly from year to year depending on the volume of large claims in the voluntary and assigned risk markets. When such a high degree of volatility is present, metrics based on rank are often trusted to produce an estimate that is both more reliable and more robust to the influence of outlier data points than those based on an average.

Of the last twenty years, ten indicate a differential above the selection of 1.75 and ten indicate a differential below it, on a paid plus case basis. Additionally, of the ten most recent years, five indicate a differential above the selection and five indicate a differential below it (again, on a paid plus case basis). This parity suggests not only that the selected differential of 1.75 is appropriate, but also that it is likely to remain so over the next several loss cost filings.
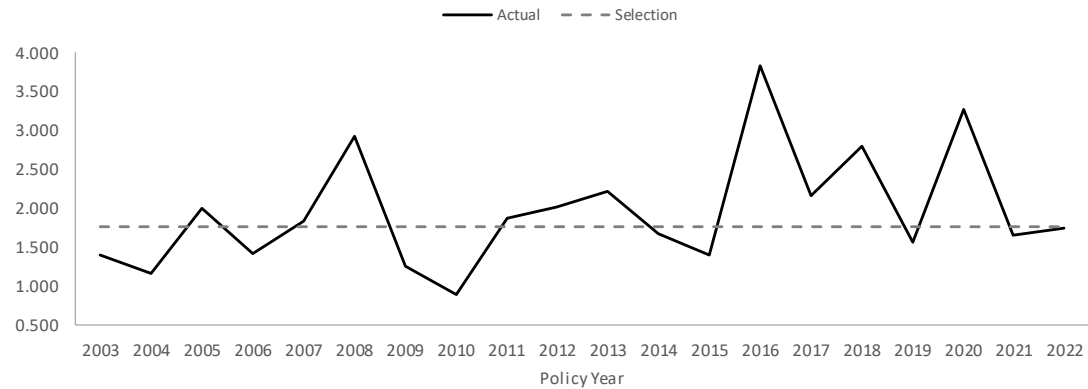
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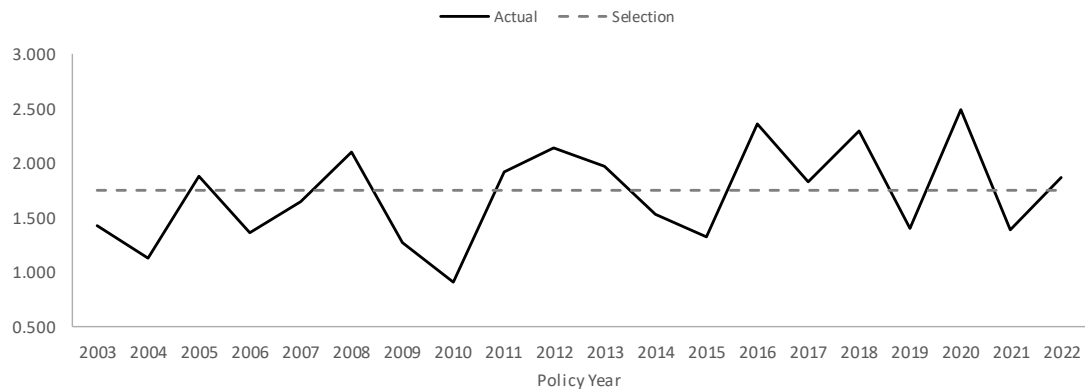REQUESTS DATED OCTOBER 9, 2024

Missouri Assigned Risk-to-Voluntary Paid Plus Case Experience Differential

The selection also gave consideration to the empirical differentials based on paid data, which are generally lower than those based on paid plus case data. Despite this difference, the parity described above between the observed data and the selection generally holds for the paid differentials, too.

The median is a measure of central tendency generally considered to be more robust to the effect of outliers than an average would be. The median differential over the last twenty years is 1.782 based on paid plus case data and 1.736 based on paid data; the midpoint of these two estimates is 1.759, which aligns closely with the selection of 1.750.

Missouri Assigned Risk-to-Voluntary Paid Experience Differential

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In addition to the analysis of assigned risk-to-voluntary experience as reported to NCCI, the selection of 1.75 for the differential considered the assigned risk administrator's latest (at the time) assigned risk rate filing.

4. **What would be the impact of selecting the all-year average differential in Exhibit 9 rather than the judgmental selection of 1.75?**

The all/ten-year average of the assigned risk experience differentials provided in Exhibit 9 (in response to the MDCI requests dated September 4, 2024) is 2.224, which (in combination with a selected market share of 1.0%) would have resulted in a Factor to Reflect the Inclusion of Assigned Risk Experience of 0.988 and a corresponding overall voluntary loss cost level change of −5.7% (as compared to the filed change of −5.3%). The combination of a 2.224 differential and a 1.3% market share would have resulted in a Factor to Reflect the Inclusion of Assigned Risk Experience of 0.984 and a corresponding overall voluntary loss cost level change of −6.1%. Note that while the 2.224 differential corresponds to the straight average of ten years of paid plus case data, various measures of central tendency of the differential spanning five to twenty years on both paid and paid plus case data range from 1.620 to 2.224, and thus the requested differential of 2.224 may reflect the high end of what can be expected going forward.