

Work-Related Musculoskeletal Disorders of the Back, Upper Extremity, and Knee in Washington State, 2002-2010.

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TABLE OF CONTENTS

LIST OF TABLES AND FIGURES

| | |
|---|-----------|
| REPORT SUMMARY | 1 |
| 1.0 INTRODUCTION | 6 |
| 2.0 METHODS | 7 |
| 2.1 WORKERS' COMPENSATION SYSTEM | 7 |
| 2.1.1 Claims Management Data Base | 7 |
| 2.1.2 Definition of Outcome | 7 |
| 2.1.3 Validity of Case Codes | 10 |
| 2.2 WASHINGTON STATE EMPLOYMENT BY INDUSTRY AND REGION | 12 |
| 2.3 DEMOGRAPHIC ANALYSIS | 13 |
| 2.4 STATISTICAL ANALYSIS | 13 |
| 3.0 RESULTS | 15 |
| 3.1 OVERALL INCIDENCE AND COST..... | 15 |
| 3.2 MAGNITUDE AND COST OF WORK-RELATED MUSCULOSKELETAL DISORDERS - OVERALL CHARACTERISTICS..... | 16 |
| 3.3 MAGNITUDE AND COST OF WORK-RELATED MUSCULOSKELETAL DISORDERS BY BODY REGION ... | 16 |
| 3.3.1 Shoulder..... | 17 |
| 3.3.2 Elbow | 17 |
| 3.3.3 Hand/Wrist | 18 |
| 3.3.4 Back | 18 |
| 3.3.5 Knee | 19 |
| 3.4 MAGNITUDE AND COST OF WORK-RELATED MUSCULOSKELETAL DISORDERS BY SPECIFIC DIAGNOSIS (SF ONLY)..... | 19 |
| 3.4.1. Rotator Cuff Syndrome (Shoulder) | 20 |
| 3.4.2. Epicondylitis (Elbow) | 20 |
| 3.4.3. Tendonitis/Tenosynovitis (Hand/Wrist) | 21 |
| 3.4.4. Carpal Tunnel Syndrome (CTS) (Hand/Wrist) | 21 |
| 3.4.5. Sciatica (Back) | 22 |
| 3.4.6. Bursitis (Knee)..... | 22 |
| 3.5 DISTRIBUTION OF WMSDs BY INDUSTRY | 23 |
| 3.6 WMSDs BY PREVENTION INDEX (PI) AND 4-DIGIT NAICS CODE | 24 |
| 4.0 DISCUSSION | 26 |
| 4.1 MAGNITUDE AND COST | 26 |
| 4.1.1 State Fund | 26 |
| 4.2 COMPARISONS WITH OTHER STUDIES | 27 |
| 4.3 HIGH RISK INDUSTRIES | 28 |
| 4.4 UNDERREPORTING IN THE WORKERS' COMPENSATION DATA | 30 |
| 4.5 STRENGTHS OF USING WORKERS' COMPENSATION DATA | 31 |
| 4.6 LIMITATIONS OF USING WORKERS' COMPENSATION DATA | 32 |
| 4.7 CONCLUSIONS | 33 |
| 5.0 REFERENCES | 34 |
| 6.0 GLOSSARY | 35 |
| 6.1 KEY TERMS | 35 |
| 6.2 SPECIFIC CONDITIONS | 36 |

List of Tables and Figures

| | |
|---|-------|
| <u>Table 1. General Selection Criteria for Work Related Musculoskeletal Disorders</u> | 38 |
| <u>Table 2a. Non-specific Diagnosis ICD-9 Codes</u> | 39 |
| <u>Table 2b. Specific Diagnosis ICD-9 Codes</u> | 39 |
| <u>Table 3. Washington State Compensable Claims. All Claims & Work-Related Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010</u> | 40-47 |
| <i>All Sectors</i> | 40 |
| <i>Agriculture</i> | 41 |
| <i>Construction</i> | 42 |
| <i>Services</i> | 43 |
| <i>Healthcare</i> | 44 |
| <i>Manufacturing</i> | 45 |
| <i>Trade</i> | 46 |
| <i>Utilities</i> | 47 |
| <u>Table 4. Washington State Workers Compensation Compensable Claims. Work-Related Musculoskeletal Disorders (WMSDs) by Body Area, 2002 - 2010</u> | 48-55 |
| <i>All Sectors</i> | 48 |
| <i>Agriculture</i> | 49 |
| <i>Construction</i> | 50 |
| <i>Services</i> | 51 |
| <i>Healthcare</i> | 52 |
| <i>Manufacturing</i> | 53 |
| <i>Trade</i> | 54 |
| <i>Utilities</i> | 55 |
| <u>Table 5. Washington State Compensable Claims. Examples of Selected ICD-9 Diagnoses of WMSDs, 2002-2010</u> | 56-62 |
| <i>All Sectors</i> | 56 |
| <i>Agriculture</i> | 57 |
| <i>Construction</i> | 58 |
| <i>Services</i> | 59 |
| <i>Healthcare</i> | 60 |
| <i>Manufacturing</i> | 61 |
| <i>Trade</i> | 62 |
| <u>Table 6. Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010</u> | 63-76 |
| <i>NORA Sectors</i> | 63 |

| | |
|-----------------------------|----|
| Top 25..... | 64 |
| Agriculture..... | 65 |
| Construction..... | 66 |
| Services (1-28) | 67 |
| Services (29-56) | 68 |
| Services (57-83) | 69 |
| Healthcare..... | 70 |
| Manufacturing (1-23) | 71 |
| Manufacturing (24-46) | 72 |
| Manufacturing (47-68) | 73 |
| Trade (1-23) | 74 |
| Trade (24-45) | 75 |
| Utilities..... | 76 |

Table 7. Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention

| | |
|------------------------------|-------|
| <u>Index, 2002-2010.....</u> | 77-88 |
| NORA Sectors..... | 77 |
| Top 25..... | 78 |
| Agriculture..... | 79 |
| Construction..... | 80 |
| Services (1-24) | 81 |
| Services (25-48) | 82 |
| Healthcare..... | 83 |
| Manufacturing (1-16) | 84 |
| Manufacturing (17-31) | 85 |
| Trade (1-18) | 86 |
| Trade (19-35) | 87 |
| Utilities..... | 88 |

Table 8. Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index,

| | |
|------------------------|-------|
| <u>2002-2010.</u> | 89-98 |
| NORA Sectors..... | 89 |
| Top 25..... | 90 |
| Agriculture..... | 91 |
| Construction..... | 92 |
| Services (1-18) | 93 |
| Services (19-35) | 94 |
| Healthcare..... | 95 |
| Manufacturing | 96 |

| | |
|----------------|----|
| Trade..... | 97 |
| Utilities..... | 98 |

Table 9. Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention

| | |
|--------------------------------|--------|
| <u>Index, 2002-2010.</u> | 99-111 |
| NORA Sectors..... | 99 |
| Top 25..... | 100 |
| Agriculture..... | 101 |
| Construction..... | 102 |
| Services (1-20) | 103 |
| Services (21-40) | 104 |
| Services (41-59) | 105 |
| Healthcare..... | 106 |
| Manufacturing (1-18) | 107 |
| Manufacturing (19-36) | 108 |
| Trade (1-17) | 109 |
| Trade (18-33) | 110 |
| Utilities..... | 111 |

Table 10. Washington State All Compensable BACK Claims: Industry Groups by Prevention Index,

| | |
|-----------------------------|---------|
| <u>2002-2010.</u> | 112-124 |
| NORA Sectors..... | 112 |
| Top 25..... | 113 |
| Agriculture..... | 114 |
| Construction..... | 115 |
| Services (1-25) | 116 |
| Services (26-50) | 117 |
| Services (51-75) | 118 |
| Healthcare..... | 119 |
| Manufacturing (1-25) | 120 |
| Manufacturing (26-49) | 121 |
| Trade (1-21) | 122 |
| Trade (22-42) | 123 |
| Utilities..... | 124 |

Table 11. Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index,

| | |
|-------------------------|---------|
| <u>2002-2010.</u> | 125-135 |
| NORA Sectors..... | 125 |
| Top 25..... | 126 |
| Agriculture..... | 127 |

| | |
|-------------------------------|-----|
| <i>Construction</i> | 128 |
| <i>Services (1-24)</i> | 129 |
| <i>Services (25-48)</i> | 130 |
| <i>Healthcare</i> | 131 |
| <i>Manufacturing</i> | 132 |
| <i>Trade (1-15)</i> | 133 |
| <i>Trade (16-30)</i> | 134 |
| <i>Utilities</i> | 135 |

Table 12. Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by

| | |
|---|---------|
| <u>Prevention Index, 2002-2010.</u> | 136-145 |
| <i>NORA Sectors</i> | 136 |
| <i>Top 25</i> | 137 |
| <i>Agriculture</i> | 138 |
| <i>Construction</i> | 139 |
| <i>Services (1-20)</i> | 140 |
| <i>Services (21-40)</i> | 141 |
| <i>Healthcare</i> | 142 |
| <i>Manufacturing</i> | 143 |
| <i>Trade</i> | 144 |
| <i>Utilities</i> | 145 |

Table 13. Washington State All Compensable EPICONDYLITIS Claims: Industry Groups by

| | |
|---|---------|
| <u>Prevention Index, 2002-2010.</u> | 146-153 |
| <i>NORA Sectors</i> | 146 |
| <i>Top 25</i> | 147 |
| <i>Construction</i> | 148 |
| <i>Services</i> | 149 |
| <i>Healthcare</i> | 150 |
| <i>Manufacturing</i> | 151 |
| <i>Trade</i> | 152 |
| <i>Utilities</i> | 153 |

Table 14. Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups

| | |
|--|---------|
| <u>by Prevention Index, 2002-2010.</u> | 154-162 |
| <i>NORA Sectors</i> | 154 |
| <i>Top 25</i> | 155 |
| <i>Agriculture</i> | 156 |
| <i>Construction</i> | 157 |
| <i>Services</i> | 158 |

| | |
|----------------------------|-----|
| <i>Healthcare</i> | 159 |
| <i>Manufacturing</i> | 160 |
| <i>Trade</i> | 161 |
| <i>Utilities</i> | 162 |

Table 15. Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry

| | |
|---|---------|
| <u>Groups by Prevention Index, 2002-2010.</u> | 163-172 |
| <i>NORA Sectors</i> | 163 |
| <i>Top 25</i> | 164 |
| <i>Agriculture</i> | 165 |
| <i>Construction</i> | 166 |
| <i>Services (1-20)</i> | 167 |
| <i>Services (21-40)</i> | 168 |
| <i>Healthcare</i> | 169 |
| <i>Manufacturing</i> | 170 |
| <i>Trade</i> | 171 |
| <i>Utilities</i> | 172 |

Table 16. Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention

| | |
|--------------------------------|---------|
| <u>Index, 2002-2010.</u> | 173-181 |
| <i>NORA Sectors</i> | 173 |
| <i>Top 25</i> | 174 |
| <i>Agriculture</i> | 175 |
| <i>Construction</i> | 176 |
| <i>Services</i> | 177 |
| <i>Healthcare</i> | 178 |
| <i>Manufacturing</i> | 179 |
| <i>Trade</i> | 180 |
| <i>Utilities</i> | 181 |

Table 17. Washington State All Compensable KNEE BURSITIS Claims: Industry Groups by

| | |
|---|---------|
| <u>Prevention Index, 2002-2010.</u> | 182-184 |
| <i>NORA Sectors</i> | 182 |
| <i>Top 25</i> | 183 |
| <i>Construction</i> | 184 |

Figure 1. Washington State Compensable WMSD Claims Rates, 2002-2010.
 185-225 |

| | |
|----------------------------------|-----|
| <i>NORA Sectors</i> | 185 |
| <i>Agriculture (1-9)</i> | 186 |
| <i>Agriculture (10-18)</i> | 187 |
| <i>Construction (1-5)</i> | 188 |

| | |
|------------------------------------|-----|
| <i>Construction (6-10)</i> | 189 |
| <i>Services (1-8)</i> | 190 |
| <i>Services (9-16)</i> | 191 |
| <i>Services (17-24)</i> | 192 |
| <i>Services (25-32)</i> | 193 |
| <i>Services (33-40)</i> | 194 |
| <i>Services (41-48)</i> | 195 |
| <i>Services (49-56)</i> | 196 |
| <i>Services (57-64)</i> | 197 |
| <i>Services (65-72)</i> | 198 |
| <i>Services (73-80)</i> | 199 |
| <i>Services (81-88)</i> | 200 |
| <i>Services (89-95)</i> | 201 |
| <i>Healthcare (1-9)</i> | 202 |
| <i>Healthcare (10-18)</i> | 203 |
| <i>Manufacturing (1-7)</i> | 204 |
| <i>Manufacturing (8-14)</i> | 205 |
| <i>Manufacturing (15-21)</i> | 206 |
| <i>Manufacturing (22-28)</i> | 207 |
| <i>Manufacturing (29-35)</i> | 208 |
| <i>Manufacturing (36-42)</i> | 209 |
| <i>Manufacturing (43-49)</i> | 210 |
| <i>Manufacturing (50-56)</i> | 211 |
| <i>Manufacturing (57-63)</i> | 212 |
| <i>Manufacturing (64-70)</i> | 213 |
| <i>Manufacturing (71-77)</i> | 214 |
| <i>Manufacturing (78-84)</i> | 215 |
| <i>Trade (1-8)</i> | 216 |
| <i>Trade (9-16)</i> | 217 |
| <i>Trade (17-24)</i> | 218 |
| <i>Trade (25-32)</i> | 219 |
| <i>Trade (33-40)</i> | 220 |
| <i>Trade (41-46)</i> | 221 |
| <i>Utilities (1-8)</i> | 222 |
| <i>Utilities (9-16)</i> | 223 |
| <i>Utilities (17-24)</i> | 224 |
| <i>Utilities (25-30)</i> | 225 |

| | |
|--|----------------|
| <u>Figure 1A. Washington Compensable Claims Rates 2002-2010. All Claims.....</u> | <u>226-265</u> |
| <i>All Claims, NORA Sectors.....</i> | <i>226</i> |
| <i>All Claims, Agriculture (1-7)</i> | <i>227</i> |
| <i>All Claims, Agriculture (8-13)</i> | <i>228</i> |
| <i>All Claims, Agriculture (14-19)</i> | <i>229</i> |
| <i>All Claims, Construction (1-5)</i> | <i>230</i> |
| <i>All Claims, Construction (6-10)</i> | <i>231</i> |
| <i>All Claims, Services (1-8)</i> | <i>232</i> |
| <i>All Claims, Services (9-16)</i> | <i>233</i> |
| <i>All Claims, Services (17-24)</i> | <i>234</i> |
| <i>All Claims, Services (25-32)</i> | <i>235</i> |
| <i>All Claims, Services (33-40)</i> | <i>236</i> |
| <i>All Claims, Services (41-48)</i> | <i>237</i> |
| <i>All Claims, Services (49-56)</i> | <i>238</i> |
| <i>All Claims, Services (57-64)</i> | <i>239</i> |
| <i>All Claims, Services (65-72)</i> | <i>240</i> |
| <i>All Claims, Services (73-80)</i> | <i>241</i> |
| <i>All Claims, Services (81-88)</i> | <i>242</i> |
| <i>All Claims, Services (89-95)</i> | <i>243</i> |
| <i>All Claims, Healthcare (1-6).....</i> | <i>244</i> |
| <i>All Claims, Healthcare (7-12).....</i> | <i>245</i> |
| <i>All Claims, Healthcare (13-18).....</i> | <i>246</i> |
| <i>All Claims, Manufacturing (1-8).....</i> | <i>247</i> |
| <i>All Claims, Manufacturing (9-15).....</i> | <i>248</i> |
| <i>All Claims, Manufacturing (16-22)</i> | <i>249</i> |
| <i>All Claims, Manufacturing (23-29)</i> | <i>250</i> |
| <i>All Claims, Manufacturing (30-35)</i> | <i>251</i> |
| <i>All Claims, Manufacturing (36-43)</i> | <i>252</i> |
| <i>All Claims, Manufacturing (44-50)</i> | <i>253</i> |
| <i>All Claims, Manufacturing (51-57)</i> | <i>254</i> |
| <i>All Claims, Manufacturing (58-64)</i> | <i>255</i> |
| <i>All Claims, Manufacturing (65-71)</i> | <i>256</i> |
| <i>All Claims, Manufacturing (72-78)</i> | <i>257</i> |
| <i>All Claims, Manufacturing (79-85)</i> | <i>258</i> |
| <i>All Claims, Trade (1-8)</i> | <i>259</i> |
| <i>All Claims, Trade (9-16)</i> | <i>260</i> |
| <i>All Claims, Trade (17-24)</i> | <i>261</i> |

| | |
|--|-----|
| <i>All Claims, Trade (25-32)</i> | 262 |
| <i>All Claims, Trade (33-39)</i> | 263 |
| <i>All Claims, Trade (40-46)</i> | 264 |
| <i>All Claims, Utilities (1-8)</i> | 265 |
| <i>All Claims, Utilities (9-16)</i> | 266 |
| <i>All Claims, Utilities (17-24)</i> | 267 |
| <i>All Claims, Utilities (25-31)</i> | 268 |

Figure 2. State Fund WMSD, 2002-2010......269-276

| | |
|----------------------------|-----|
| <i>All</i> | 269 |
| <i>Agriculture</i> | 270 |
| <i>Construction</i> | 271 |
| <i>Services</i> | 272 |
| <i>Healthcare</i> | 273 |
| <i>Manufacturing</i> | 274 |
| <i>Trade</i> | 275 |
| <i>Utilities</i> | 276 |

Figure 3. Utilities: Washington Compensable WMSD Rate by Body Part, 2002-2010......277-284

| | |
|----------------------------|-----|
| <i>All</i> | 277 |
| <i>Agriculture</i> | 278 |
| <i>Construction</i> | 279 |
| <i>Services</i> | 280 |
| <i>Healthcare</i> | 281 |
| <i>Manufacturing</i> | 282 |
| <i>Trade</i> | 283 |
| <i>Utilities</i> | 284 |

Figure 4. Washington Compensable WMSD Rates, SHOULDER, 2002-2010......285-292

| | |
|------------------------------|-----|
| <i>NORA Sectors</i> | 285 |
| <i>Construction</i> | 286 |
| <i>Services (1-5)</i> | 287 |
| <i>Services (6-10)</i> | 288 |
| <i>Healthcare</i> | 289 |
| <i>Manufacturing</i> | 290 |
| <i>Trade</i> | 291 |
| <i>Utilities</i> | 292 |

Figure 5. Washington Compensable WMSD Rates, ELBOW, 2002-2010......293-297

| | |
|---------------------------|-----|
| <i>NORA Sectors</i> | 293 |
| <i>Construction</i> | 294 |

| | |
|---------------------|-----|
| Services..... | 295 |
| Manufacturing | 296 |
| Trade..... | 297 |

Figure 6. Washington Compensable WMSD Rates, HAND/WRIST, 2002-2010..... 298-305

| | |
|-----------------------|-----|
| NORA Sectors..... | 298 |
| Construction..... | 299 |
| Services (1-5) | 300 |
| Services (6-10) | 301 |
| Healthcare..... | 302 |
| Manufacturing | 303 |
| Trade..... | 304 |
| Utilities..... | 305 |

Figure 7. Washington Compensable WMSD Rates, BACK, 2002-2010. 306-319

| | |
|-------------------------|-----|
| NORA Sectors..... | 306 |
| Agriculture..... | 307 |
| Construction..... | 308 |
| Services(1-6) | 309 |
| Services(7-12) | 310 |
| Services(13-18) | 311 |
| Services(19-24) | 312 |
| Healthcare (1-6) | 313 |
| Healthcare (7-12) | 314 |
| Manufacturing | 315 |
| Trade (1-7) | 316 |
| Trade (8-14) | 317 |
| Trade (15-21) | 318 |
| Utilities..... | 319 |

Figure 8. Washington Compensable WMSD Rates, KNEE, 2002-2010. 320-327

| | |
|---------------------|-----|
| NORA Sectors..... | 320 |
| Construction..... | 321 |
| Services..... | 322 |
| Healthcare..... | 323 |
| Manufacturing | 324 |
| Trade..... | 325 |
| Utilities..... | 326 |

Figure 9. Washington Compensable WMSD Rates, Rotator Cuff Syndrome, 2002-2010..... 327

Figure 10. Washington Compensable WMSD Rates, Epicondylitis, 2002-2010..... 328

| | |
|---|-----|
| <u>Figure 11. Washington Compensable WMSD Rates, Hand/Wrist Tendonitis, 2002-2010.</u> | 329 |
| <u>Figure 12. Washington Compensable WMSD Rates, Carpal Tunnel Syndrome, 2002-2010.</u> | 330 |
| <u>Figure 13. Washington Compensable WMSD Rates, Sciatica, 2002-2010.</u> | 331 |
| <u>Figure 14. Washington Compensable WMSD Rates, Knee Bursitis, 2002-2010.</u> | 332 |
| <u>Appendix A. NORA Sector Groupings.</u> | 333 |

WORK-RELATED MUSCULOSKELETAL DISORDERS OF THE BACK, UPPER EXTREMITY AND KNEE IN WASHINGTON STATE, 2002-2010

REPORT SUMMARY

OBJECTIVES

We report the frequency, incidence rate (number of new claims per 10,000 full-time equivalent employees FTEs, CIR), severity rate (number of lost days per 10,000 FTEs, SR), cost, lost time and industry group distribution of work-related musculoskeletal disorders (WMSDs) in Washington State in order to monitor and help focus prevention efforts by business, labor and government.

METHODS

In the current report we examined State Fund and Self-Insured workers' compensation claims (four or more lost workdays) for general and selected shoulder, elbow, hand/wrist, back and knee disorders occurring between 2002-2010. We used a prevention index (PI) to rank industries by taking the average rank by incidence rate and rank by number of claims. We used the North American Industrial Classification System (NAICS) to code industry groups for national comparison purposes; and we used the National Occupational Research Agenda (NORA) Sector grouping method (which groups the 20 NAICS sectors into 10 sector groups for research and prevention efforts; Appendix A).

JZ, a 42-year-old truck driver with lumbar back strain: "I can't lift my grandbaby. Grandpa's got to sit in the chair and you can bring him to me. And I'm only 42, I shouldn't be feeling this way. I live with pain every day. Makes me a little bitter and a little angry. I've seen how easily you can lose a lot of stuff by an injury. I've lost so much. A decent wage, I probably lost an industry."

The focus was on non-traumatic soft-tissue musculoskeletal disorders. These musculoskeletal disorders, when caused or aggravated by work activities (for example, exposures to frequent or heavy manual handling, awkward postures, forceful or repetitive exertions) are referred to as work-related MSDs or WMSDs.

RESULTS

Between 2002 and 2010 there were 409,711 compensable claims and 176,033 of them (43%) were for work-related non-traumatic musculoskeletal disorders of the back, upper extremity and knee (WMSDs) in Washington State (see following table, Table 3 in the full report).

Washington State Compensable Claims. All Claims & Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010.

| | All Compensable Claims | Non-Traumatic Soft-Tissue Disorders (WMSDs) |
|--|------------------------|---|
| Total Compensable Claims (SF+SI) | 409,711 | 176,033 |
| % of ALL Compensable Claims | 100.0% | 43.0% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$8,223.5 | \$3,869.2 |
| State Fund Medical Costs (\$Millions) | \$4,306.5 | \$1,802.8 |
| Average # Claims per Year (SF+SI) | 45,523 | 19,559 |
| Percent Female (SF+SI) | 35.2% | 40.1% |
| Median Age(SF+SI) | 42 | 43 |
| Median BMI (SF) | 27.5 | 27.9 |
| Median Tenure Months (SF) | 29 | 29 |
| Claims Rate per 10,000 FTE (SF+SI) | 209.4 | 90 |
| SF Severity (TL days per 10,000 FTE) | 37,909.0 | 18,397.5 |
| SF Average TI Days per Claim | 231.9 | 266.5 |
| SF Median TI Days per Claim | 43 | 56 |
| SF Average Total Direct Costs per Claim | \$40,800 | \$44,687 |
| SF Median Total Direct Costs per Claim | \$8,636 | \$11,183 |

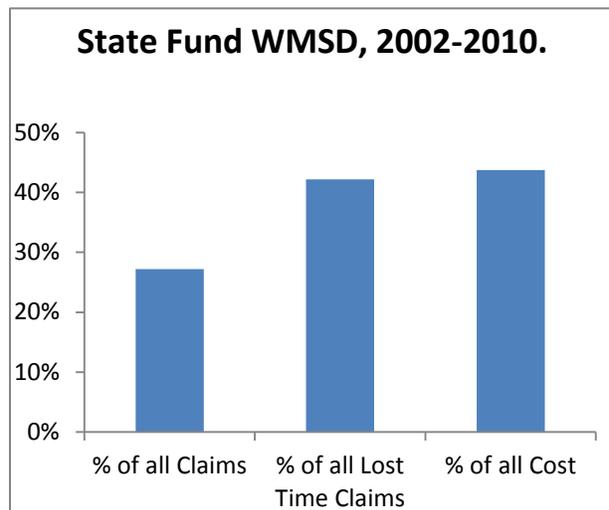
SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

**Hgt / Wt were available for 91.4% of SF Comp*

***Tenure was available for 76.6% of SF Comp*

The combined costs were also about half of all compensable claims costs. Overall, WMSDs accounted for approximately 40% of costs (see figure to the right, Figure 2 in the full report), whereas the average and median costs for all compensable claims were roughly \$40,800 and \$8,636, the costs were higher for WMSDs (\$44,687 and \$11,183, respectively).



Median time loss days averaged 43 for all compensable claims and 56 for WMSDs. By body area (Tables 4, 7-11), claims for “Back” were the most common, with 29,990 compensable claims accounting for 19.5% of all compensable claims and median costs were highest for the shoulder (\$28,228) and lowest for the back (\$6,032) (Table 4).

In terms of specific diagnoses, only State Fund (SF) data were available (Table 5). The SF carpal tunnel syndrome (CTS) incidence rate (IR) was 6.4 per 10,000 FTEs and the Severity

Rate (SR) was 2,654 time loss days per 10,000 FTE. The highest incidence rates were in Construction (Table 15). The CIR for hand/wrist tendonitis was 3.4 and SR was 1,457 per 10,000 FTE respectively, whereas compensable knee bursitis and sciatica had considerably lower rates (CIR= 0.2 and 2.3 per 10,000 FTEs, respectively) (Table 5).

Based on Industry, the Healthcare and Social Assistance sector was first on the PI with a compensable CIR of 108.4 per 10,000 FTEs and a severity rate (SR) of 12,085 lost workdays per 10,000 FTE (Table 6). Transportation and Utilities was second with a CIR of 174.5 and SR of 18,545 lost work days per 10,000 FTEs.

There was a significant decrease in total compensable claims rate primarily between 2002-2007 and then a leveling off in every sector (Figures 1 and 1a). The slope continued to decline for all compensable claims but flattened out for WMSD claims from 2007 forward (Figures 1 and 1A). Overall, for State Fund compensable claims, WMSD claims decreased by 6.26% by year ($p < 0.0001$), which was a greater or faster decrease than that of non-WMSD claims which were decreasing by approximately 2.25% by year ($p < 0.0001$) during the report period.

The pattern of significant decrease is also true for the different body areas covered in this report (Figures 3-8).

We looked at several specific diagnostic codes (ICD-9) for WMSDs in the State Fund (Tables 12-17) and found:

For **rotator cuff syndrome** (Table 12), there were 12,056 compensable claims in the State Fund with:

- An average CIR of 8.6 and a SR of 3,436 days per 10,000 FTEs.
 - The CIR for rotator cuff syndrome has stayed relatively flat over the report period (Figure 9).

For **epicondylitis** (Table 13), there were 3,057 compensable claims in the State Fund with:

- An average CIR of 2.2 and a SR of 781 days per 10,000 FTEs.
 - The CIR for epicondylitis decreased slightly from 2002-2006, and has since flattened (Figure 10).
- Average compensable claims cost of \$55,121 per claim (Table 5).

For **hand/wrist tendonitis** (Table 14), there were 6,562 compensable claims in the State Fund over the report period with:

- An average CIR of 4.7 and a SR of 1,480 per 10,000 FTEs.
 - The overall CIR decreased significantly over the report period, but began to flatten between 2009 and 2010 (Figure 11).
- Average cost of \$30,930 per compensable claim.

For **carpal tunnel syndrome** (Table 15), there were 12,420 compensable claims in the State Fund over the report period with a CIR of 8.9 and a SR of 2,704 days per 10,000 FTEs with:

- Average direct cost of \$49,481 per claim (Table 5).
- Average time loss was 321 days.
- Among State Fund compensable claims, CTS incidence decreased slightly since 2006 except for manufacturing which decreased more than half since 2004 (Figure 12).

For **sciatica** (Table 16), there were 4,517 compensable claims in the State Fund over the report period with a CIR of 3.2 and a severity rate (SR) of 1,876 days per 10,000 FTEs.

- Sciatica claims were extremely costly: \$319,147,531 dollars and 2,620,692 lost work days.
- The overall CIR for sciatica (Figure 13) has decreased slightly over the report period.
 - The CIR for Construction has decreased by half since 2002; the Construction CIR overall for sciatica is more than twice the state rate (Table 16).

For **bursitis of the knee** (Table 17), there were 480 compensable claims in the State Fund over the report period with a CIR of 0.3 and a severity rate (SR) of 99 days per 10,000 FTEs.

- The CIR for knee bursitis (Figure 14) in Construction decreased between 2003-2006 and flattened thereafter; the Construction CIR overall for knee bursitis is 4 times the state rate (Table 17).

We used the Prevention Index (PI) to identify industries with the greatest impact of WMSDs. Industries are listed in rank order by the number of claims and by the rate of claims. The PI is the average of the two ranks for each industry. An industry therefore is high on the PI if it has a relatively high number of claims and a relatively high CIR.

We calculated the PI for industry sectors and also calculated a rate ratio for each industry sector (see below) by comparing the CIR for each industry with the overall state CIR for all WMSD claims (Table 6) and by body part (Tables 7-11) and by specific condition (Tables 12-17). A rate ratio of 3, for example, means that the rate for that industry is 3 times the overall state rate. Construction and Transportation & Utilities had the highest rate ratios.

| SECTOR | Overall Rate Ratio |
|----------------------------|--------------------|
| Construction | 1.9 |
| Transportation & Utilities | 1.9 |
| Health Care | 1.2 |
| Manufacturing | 1.2 |
| Trade | 1.1 |
| Agriculture | 0.7 |
| Services | 0.7 |

Overall, the Top 10 industry groups for all WMSD claims (Table 6) were:

1. Scheduled Air Transportation (NAICS 4811)
2. Foundation, Structure, & Bldg. Exterior Contractors (NAICS 2381)
3. Bldg. Equip. Contractors (NAICS 2382)
4. Couriers & Express Delivery Svcs. (NAICS 4921)
5. Nursing Care Facilities (NAICS 6231)
6. General Medical & Surgical Hospitals (NAICS 6221)
7. Bldg. Finishing Contractors (NAICS 2383)
8. General Freight Trucking (NAICS 4841)
9. Grocery Stores (NAICS 4451)
10. Resid. Bldg. Construction (NAICS 2361),

Workers in these industry groups warrant priority focus in prevention and intervention efforts to reduce these injuries, as they are ranked highly by PI across several body regions and diagnoses.

Conclusions Work-related musculoskeletal disorders continue to be a large and costly problem in Washington State. The incidence rates for most WMSDs are decreasing overall and in most industry sectors; in some cases, the rate is relatively flat. The highest risks are in industries characterized by manual handling and forceful repetitive exertions. The burdens of WMSDs are underestimated because there are evidences of under-reporting of disorders in the literature, and the indirect costs to the employer, employee and society are not included.

1.0 INTRODUCTION

The objective of this report is to estimate the overall and yearly trends in claim incidence rates, lost workdays and costs for general and specific work-related musculoskeletal disorders during the years 2002-2010. We also want to identify industries with the highest rates and numbers of claims to focus prevention efforts.

Every work-related musculoskeletal disorder claim is a worker in pain. Take for example, HN, a 54-year-old terminal worker who developed sciatica during her six years on the dock. She missed 370 days of work over the 18 months of medical treatment costing \$29,780. Incurred cost of her claim was \$54,400. She eventually returned to work with her employer of injury.

This report uses workers' compensation claims data from Washington State to examine the frequency, incidence, cost, and industry distribution of new upper extremity (hand/wrist, elbow, and shoulder), back, and knee disorders; and respectively, carpal tunnel syndrome (CTS), hand/wrist tendonitis, epicondylitis, rotator cuff syndrome (RCS), sciatica and knee bursitis (see Glossary) as examples of more specific diagnoses within these body region categories.

KF, a 43-year old Certified Nursing Assistant, was injured while helping lift a morbidly obese patient. Repeated transfers took their toll on her **back**, and now she struggles to keep up with her housework and other regular tasks. "It's made it harder for me to do some things..." she said, "I have to ask my son for help."

DR, a Health Information Manager with a **hand/wrist** injury, said: "With the children. It was extremely hindering... There were certain things I could not do. I couldn't bathe my grandchild. I couldn't cut vegetables... I couldn't drive because I had a stick. I couldn't do those things for a while."

2.0 METHODS

2.1 WORKERS' COMPENSATION SYSTEM

In Washington State, employers (except the self-employed) are required to obtain workers' compensation insurance through the Department of Labor and Industries' (L&I) industrial insurance system (L&I State Fund) unless they are able to self-insure. L&I's State Fund covers approximately two-thirds of the workers in Washington State. The remainder work chiefly for the approximately 400 largest employers and are covered by their Self-Insured (SI) employers. US Department of Energy claims (Hanford) have been included in the Self-Insured section since roughly 2000. Washington is the only state in which workers contribute monetarily to the medical aid portion of the State Fund.

2.1.1 CLAIMS MANAGEMENT DATA BASE

Workers' compensation claims data and employment data for the years 2002-2010 were obtained from L&I's files. The L&I claims management database consists of two major data processing systems. The Medical Information and Payment System (MIPS) receives all billing information generated by provider medical bills. This system records such relevant items as dates of service, all associated procedure and treatment (CPT) codes, and physician diagnosis by International Classification of Disease version 9 (ICD-9) code for each provider visit. The Labor and Industries' Industrial Insurance System (LINIIS) contains all data necessary for the administration of State Fund claims (e.g., claim type, nature, occupation, employer information, status, and progress). Only those Self-Insured compensable claims resulting in 4 or more days of lost time are coded in the LINIIS system. Rarely are there ICD-9 codes or medical billing information in the MIPS database for the Self-Insured claims. Thus, the Self-Insured data in this report are not comparable to the State Fund data in terms of magnitude or cost.

2.1.2 DEFINITION OF OUTCOME

For this report, we used accepted State-Fund claims (for the 2002-2010 period, approximately 11% of the State Fund claims were rejected). Medical treatment and diagnosis records were extracted from the MIPS database when the claim is either authorized or allowed CPT codes, or both. In addition, we extracted records for wrist or hand conditions (or both) from the LINIIS claim history dataset by using the ANSI z16.2 code for body area.

Similar methods were used to identify claims for general back, elbow, shoulder, and knee disorders. The specific disorders were defined as accepted claims with ANSI codes and/or CPT procedure codes (see Table 1 for codes).

Since a workers' compensation claim in Washington State may include disorders in more than one body part, only the primary site is assigned a z16.2 code. When specific disorders (like carpal tunnel syndrome for hand/wrist disorders) were examined in detail to determine type of onset, disorders were required to match the appropriate body area code (since type and nature of disorder are only specified for the primary site of disorder).

Information collected for each claim included: claim status (compensable lost time claim of 4 or more days or medical treatment claim only codes); z16.2 codes for body area; nature and type of disorder; 4-digit Washington Industrial Code (WIC); 6-digit North American Industrial Classification System (NAICS) code; claim identification number; social security number; date of injury; birth date; gender; total cost of claim; lost time days; dollar amount of time loss payments; and dollar amount of medical aid payments. Using first date of injury allowed us to estimate claims incidence. For example, if in LINIIS, a first date of injury year was 2009 and recorded for body area of hand/wrist, but the first MIPS allowed bill with a CTS code was in 2010, for the purposes of this analysis, this was a 2009 CTS claim.

We categorized non-traumatic and traumatic onset to differentiate *cumulative* trauma exposures from acute exposure, such as falls. A combination of body part and nature and type was required. Non-traumatic onset, type codes (z16.2 code) included: rubbed or abraded, further restricted to disorders caused by leaning, kneeling, or sitting on objects (not vibrating) (081), those caused by objects being handled (not vibrating) (082), those caused by vibrating objects (083), those caused by repetition of pressure (085) and those caused by repetitive motion (086); overexertion (120-124, 129); bodily reaction (100); and unknown (899-999) - primarily strain, muscle soreness, pain with lifting, etc.

These type codes were combined with the following nature codes: dislocation or herniation (190 for neck and back only); inflammation or irritation of the joints, tendons or muscles (260), including bursitis, tendonitis, synovitis and tenosynovitis; sprains and strains (310); multiple injuries (400 for upper extremity only); diseases of the nervous

system (560), nerves and peripheral ganglia (562); symptoms and ill-defined conditions (580, 995 NOC); and unclassified (999). Disorders that did not fulfill the criteria for non-traumatic onset were considered traumatic (e.g., type was slips, trips, falls, or struck by).

We reviewed all Washington Workers' Compensation claims that have been coded for occupational injury or illness. This included all State Fund claims, and Self Insured claims that were not rejected, and were not medical aid only claims. Primarily we were looking for: over-exertions, repetitive motions, bodily reactions, and rubbed or abraded incidents that resulted in: diseases or disorders to the musculoskeletal system, abnormal nerve or nervous system conditions, sprains, strains or rheumatisms.

We then evaluated by body part: back, shoulder, elbow, hand/wrist, and knee. There were three potential ways to classify a WMSD: 1) a restrictive body part code and a more general diagnosis – such as the body part coded wrist with a diagnosis of 727.00 tenosynovitis; 2) a more generalized body part code with a diagnosis that clearly indicates the specific body part – such as body part coded arm with a diagnosis of 727.05 - tenosynovitis of the hand and wrist; 3) the coding alone clearly indicated a WMSD – such as nature 1241 – carpal tunnel syndrome.

We further evaluated the claims for specific conditions: sciatica, rotator cuff syndrome, epicondylitis, tendonitis, carpal tunnel syndrome, and bursitis. This assessment was based on specific diagnosis codes or relevant surgical procedures (Tables 1-2). Carpal tunnel syndrome may also be classified based on the nature of injury code. A claim may be classified in more than one category.

Data were extracted from L&I databases as of 7/18/2012. Claim costs reported here reflect actual totals for closed claims. For State Fund claims that are not closed, costs reflect actual totals to this date *plus* the additional case reserve as estimated by agency staff. Costs are expected to develop further for the most recent years

For Self-Insured compensable closed claims, we extracted body part, nature, and type. We are less confident about the distinction between non-traumatic and traumatic onset status with the Self-Insured data because these data tend to be more incomplete than State Fund data. Costs and time loss are also incomplete for these data.

We do not have access to electronic Self-Insured Medical records. Self-Insured claims can only be classified under Method 3 (above). This also precluded us from classifying specific conditions. These limitations likely result in an under-estimate of the incidence of WMSDs for Self-Insured employers.

Self-Insured employers do not report the medical costs of their claims. We provide the ratio of medical to indemnity costs from the State Fund claims. Typically medical costs represent about 1/3 of total costs for a WMSD. The ratio varies by industry in the State Fund and may vary between funds (State Fund / Self Insured).

Time loss days are paid on a 7-day workweek (20 days of time loss would be reflective of 3 calendar weeks, not 4). While the initial pension reserve is included as part of the total incurred costs, L&I stops counting time loss days as of the date a worker is moved to the pension roles. Lost workdays are not reflected as time loss days when an employee is kept on salary (KOS).

Costs: All bills were adjusted using the Consumer Price Index for Urban Wage Earners and Clerical Workers for Seattle-Tacoma-Bremerton, WA, not seasonally adjusted, annual figures. Bills were adjusted on a simplified basis using the date of injury as the “payment” date for all bills. Time loss payments occur over time and in some case stretch over years. Some open claims have future anticipated expenditures assigned. Incurred Medical costs were adjusted using the Medical Care Series (id CWURA423SAM, CWUSA423SAM), while all other costs were adjusted using All Items except Medical Care Series (id CWURA423SA0L5, CWUSA423SA0L5).

The costs listed are usually “indemnity” costs only. In tables 3, 4, and 5 we also provided the State Fund “medical” costs and discuss the State Fund average “direct” costs. In tables 6 through 11 we combined State Fund and Self-Insured claims.

2.1.3 VALIDITY OF CASE CODES

For the year 2000 report, medical records extraction exercises were conducted to evaluate the coding schemes used for both onset type (traumatic or non-traumatic) and specific diagnosis of upper extremity claims. In the first exercise, we took a random sample of 96 Washington State Fund compensable claims coded as CTS (N=56),

epicondylitis (N=15) and rotator cuff disorders (N=25). One of the three diagnoses was recorded in each of the medical records.

This exercise demonstrated that the physician's statement on the medical records is fairly accurately translated into the coding system of the L&I claims management database. In an extract of 20 tendonitis claims, 18 (90%) were coded correctly. We also observed that CTS and epicondylitis are often mentioned together in a single claim, and that CTS is usually filed as the main disorder. Thus, the incidence of "elbow" disorders would be underestimated because the epicondylitis case would be identified under "hand/wrist." Additionally, the cost information for that epicondylitis case would be lost because we required the body part to be the elbow and the diagnosis to be epicondylitis in order to avoid overestimation of costs for specific conditions. Electrodiagnostic studies were used to confirm the diagnosis of CTS in 100% of cases.

We also checked whether our definition for a traumatic or non-traumatic onset disorder, based on our selected codes, agreed with information from the medical records, in which it was very clear the onset was traumatic or non-traumatic. There was 76% agreement for the hand/wrist, 77% for elbow disorders, and 64% for the shoulder disorders.

The second exercise involved extracting medical records from 100 random claims from 1995 that were coded *traumatic carpal tunnel syndrome* and 98 *non-traumatic onset hand/wrist disorders*. The case definition for carpal tunnel syndrome included symptoms in the median nerve distribution, and one of the following: positive electrodiagnostic report, carpal tunnel release surgery, or positive physical examination.

Eighty-one percent of the first group met the case definition for carpal tunnel syndrome and 43% of the second group met the case definition for CTS. All of those coded as non-traumatic onset met the definition of non-traumatic onset. Of those that were coded traumatic onset, 64% were actually non-traumatic onset. This suggests that the incidence rate for non-traumatic onset hand/wrist disorders may be underestimated. For rotator cuff disorders, about 30% of the claims coded as traumatic were non-traumatic.

Of the traumatic onset upper extremity claims, 51% were due to being struck against or struck by, whereas 42% of the traumatic onset back disorders were coded as fall-related.

In addition to low back and upper extremity disorders, we reviewed neck and lower extremity disorders. For this purpose, the validity of the codes for nature and type was scrutinized. The purpose was to see whether a distinction could be made between non-traumatic soft tissue disorders and other musculoskeletal disorders.

For the neck disorders, the nature coding was in agreement with the information in the medical files in 86% of the cases. Of the types, 88% of the codes were in agreement. The most common neck disorders were sprain and strain (in 43% of bills), cervicalgia (6%), dislocation (7%), displacement of intervertebral disc (3%), and radicular syndrome or radiculitis (3%). Of these diagnostic groups, radicular syndrome or radiculitis differed from the others in that about half of the cases were non-traumatic, whereas the proportion of non-traumatic cases for the other neck disorders was about 30%. The too small number of cases consistently diagnosed with radiculitis precluded, however, the consideration of this diagnostic group separately in the analysis.

2.2 WASHINGTON STATE EMPLOYMENT BY INDUSTRY AND REGION

Employment information is reported to L&I by State Fund employers as the number of hours worked by employees. However, hours by age and gender are not available.

Numbers of employees working per year are calculated assuming that each full-time employee works 2,000 hours per year (40 hours per week for 50 weeks per year). Hours were converted to full time equivalent workers (FTEs) as: $\text{Total Hours Reported} / 2,000$. In those industries where there are high proportions of part-time workers, the denominator may be an underestimate, making the incidence rate higher than it would be if they were all full-time workers.

We used claims charged to the account as the primary determinant of the NAICS, the secondary determinant was the NAICS code assigned most frequently to the account's business locations by the Department of Labor and Industries, the tertiary determinant was NAICS assignment to the Universal Business Identifier by the Department of Employment Security.

To eliminate unstable rates, only those NAICS codes with an average of 50 FTEs per year or more and those WIC codes with an average of 50 employees per year over the 9-year period were included in the industry group analyses.

In addition to analyzing industry groups (4-digit NAICS code level), we also used the National Occupational Research Agenda (NORA) Sector groupings which groups the 20 NAICS sectors into 10 sector groups for research and prevention efforts (Appendix A).

2.3 DEMOGRAPHIC ANALYSIS

We included body mass index (BMI) in the demographic data because of some evidence of an association between higher BMI and some WMSDs. Height and weight are self-reported on the initial claim report and were reported for approximately 92% of State Fund compensable claims between 2002-2010. BMI was calculated according to CDC guidelines.

$$\text{BMI} = [\text{Weight (lbs)} / \text{height (in)}^2] * 703$$

2.4 STATISTICAL ANALYSIS

Descriptive analyses included a summary of claims by year, direct workers' compensation costs, age and gender. Claim incidence rates were calculated by year and industry class, and are expressed as number of claims per 10,000 FTEs.

Each industry code specific rate was compared to the industry-wide rate and a crude incident rate ratio or relative risk was calculated. Test for trend of incidence rates over time was performed using a Poisson regression analysis in SAS Software (SAS Proprietary Software Version 9.4, SAS Institute Inc. Cary, NC, USA 2001). Differences between rates were tested by Poisson regression with an interaction term for the compared rates. WMSD claims were compared to all claims, excluding WMSDs. The different categories within WMSDs were compared to all claims WMSDs.

To prioritize industries for intervention purposes, frequencies of claims within an industry as well as the relative risk compared to all industries are important considerations. We combined the rank orders of both frequency and relative risk to create a "Prevention Index" (PI).

$$PI = \frac{\text{Frequency Rank} + \text{Incidence Rank}}{2}$$

We present PI rankings in Tables 6-17, in the following format:

- 1) The PI ranking at the NORA Sector level,
- 2) The PI ranking demonstrating the Top 25 industry groups (4 digit NAICS level) taken from all sectors,
- 3) The PI ranking of industry groups within each sector individually.

Because of the steps taken to eliminate unstable rates (section 2.2) in the industry group analyses, the overall numbers found in the industry group rankings (Tables 6-17) may be lower than those presented in the summary data (Tables 3-5) which includes data from all industry groups (not just those presented in Tables 6-17).

These analyses evaluated both the magnitude (number or count) of claims and the risk (incidence) of claims. For each table, the industry hours, the count of WMSDs, workers' compensation costs, lost workdays, and incidence rate are provided along with the rate ratio (the incidence rate for a particular industry divided by the rate for all industries combined). Additionally, the count rank and rate rank are included. Because the PI is an average of two ranks, it is possible that a very small industry (few hours) might have a very high claims incidence rate and thus would not be in the top 25 industries based on the prevention index. The same could be true with an industry that has a very large population but a low incidence rate. When either of these events occurred for the Top 25, the top three industries by either count or rate are listed at the bottom of the table (unless they are already in the body of the table). NAICS codes that had an overall average less than 100,000 hours per year (equivalent to 50 FTEs per year) are excluded from the more detailed analysis of 4-digit NAICS. The exclusion criteria reflect the tradeoff between precision and stability.

The PI ranking tables start with a ranking of all compensable WMSD claims (Table 6); followed by PI rankings by body region (Tables 7-11); and finally, PI rankings by select specific diagnosis (Tables 12-17).

3.0 RESULTS

This report describes the distribution of musculoskeletal disorders in Washington State between 2002-2010. The focus of the report is on the upper extremity (shoulder, elbow, hand/wrist), back and knee. More specifically, the focus is on the soft tissue musculoskeletal disorders of non-traumatic origin, referred to as work-related musculoskeletal disorders (WMSDs).

Results are presented both in tabular and graphical form. The tables (Tables 1-17) provide detailed Workers' Compensation data across all industries in Washington and across individual industrial sectors – Agriculture, Construction, Services, Healthcare, Manufacturing, Trade, and Transportation and Utilities. The figures (Figures 1-14) are the graphical representation of the WC claims rates. These figures allow the visual comparison of claims rates and trends between and within industry sectors.

Results are presented for combined State Fund and Self-Insured (SF + SI) compensable claims, where available. State Fund (SF) only data (which is more complete) are labeled accordingly when presented (e.g. all information on specific conditions, which we are not able to identify from SI data).

3.1 OVERALL INCIDENCE AND COST

There were 176,033 State Fund and Self-Insured WMSDs (Table 3; see Tables 1 and 2 for criteria) which cost over \$3.8 billion dollars (adjusted to 2010 dollars). For State Fund claims, these SF + SI WMSD claims represent 27.2% of all accepted claims, but are responsible for 43.7% of all costs (Figure 2).

The average number of WMSDs per year was 19,559, averaging \$44,687 in direct costs per claim (SF only, Table 3). The average compensable lost workdays was 266.5 days compared to 231.9 for all compensable claims (Table 3). The average claims incidence rate (CIR) was 90.0 per 10,000 FTEs for all WMSDs. The CIRs for all WMSDs and all claims have decreased significantly ($p < 0.0001$) from 2002-2010 (Figures 1 and 1A). WMSD claims incidence decreased an average of 6.3% per year from 2002-2010, a greater decrease than the 2.3% decrease of non-WMSD claims from 2002-2010 ($p < 0.0001$).

3.2 MAGNITUDE AND COST OF WORK-RELATED MUSCULOSKELETAL DISORDERS - OVERALL CHARACTERISTICS

The overall characteristics (claim information and costs, select demographic information) of claims in this report are found in Tables 3-6, and Figure 3. Table 3 focuses on comparing All Claims to WMSDs. Table 4 gives further detail by showing claim characteristics by specific body region, Figure 3 shows the detailed claim rates by specific body region, and Table 5 shows this information broken out by specific diagnosis. This information is shown at the overall level, as well as by individual sector. Table 6 begins the PI tables, and gives select claim information and ranking the Sectors overall for All Compensable WMSD Claims, the Top 25 overall by PI, and ranking industry groups (4-digit NAICS code level) within each Sector.

- **Back** claims had the highest direct cost - over \$1.7 billion.
- **Shoulder** claims had the highest average and median days TL per claim.

Overall, the Health Care sector ranked the highest by PI for all WMSD claims, but Transportation & Utilities and Construction had the highest rate ratios (Table 6). Claims rates by year over the report period 2002-2010 are presented by body region (Figures 4-8) and specific diagnosis (Figures 9-14).

3.3 MAGNITUDE AND COST OF WORK-RELATED MUSCULOSKELETAL DISORDERS BY BODY REGION

The majority of WMSDs claims were for the back region (79,834, Table 4). The majority of the upper extremity WMSDs were in the hand/wrist area (29,990), followed by the shoulder (29,046) and then the elbow/ forearm area (10,407). Shoulder WMSD claims resulted in higher average and median direct costs (\$60,298, \$28,228) compared to the elbow/forearm and hand/wrist area WMSDs (Table 4).

A greater percentage of hand/wrist WMSD claimants were women (56% compared to 38% for shoulder and 45% for elbow/forearm, Table 4). Median age (40-45) and median job tenure months were similar (28-30 months) across body regions.

3.3.1 SHOULDER

Between 2002-2010:

- ⇒ Shoulder Claims had the second highest costs, behind only back WMSDs.
- ⇒ SF compensable shoulder claim rate decreased 1.6% per year, 2.7% less per year than other non-shoulder WMSD body region claims (p<0.03).
- ⇒ SI compensable shoulder claims rate decreased by 4.0% by year, which was not significantly different than the decrease for other non-shoulder claims.

There were 29,046 claims for **shoulder** WMSDs (Table 4, Table 7, Figure 4) between 2002-2010:

- Shoulder claims made up 7.1% of all compensable claims.
- Shoulder WMSDs had the highest average direct claim cost of \$60,298 and highest median direct claim cost: \$28,228.
- Highest average and median TL days per claim, 354 and 129, respectively.
- Average CIR of 14.8 claims per 10,000 FTEs.
- Overall severity rate of 4,187 days per 10,000 FTEs.

3.3.2 ELBOW

Between 2002-2010:

- ⇒ There was no significant difference in SF compensable elbow claims by year.
- ⇒ SI compensable rate decreased by 10.2% by year, which was 6.7% greater than the decrease of other non-elbow SI compensable body region claims.

There were 10,407 claims for **elbow** WMSDs (Table 4, Table 8, Figure 5) between 2002-2010:

- Elbow claims made up 2.5% of all compensable claims.
- Average direct claim cost of \$53,589 and median direct claim cost: \$18,083.
- Average of 354 TL days per claim.
- Average CIR of 5.3 claims per 10,000 FTEs.
- Overall severity rate of 1,948 days per 10,000 FTEs.

3.3.3 HAND/WRIST

Between 2002-2010:

- ⇒ Hand/wrist claims had the second highest number of claims and average number of claims per year, behind back WMSDs.
- ⇒ The rate of SF compensable hand/wrist claims was decreasing 6.5% per year on average ($p < 0.0001$); these were decreasing 2.9% faster than all other claims.
- ⇒ SI compensable hand/wrist claims were decreasing 8.0% by year on average, decreasing -.7% faster by year than other non-hand/wrist region claims.

There were 29,990 claims for **hand/wrist** WMSDs (Table 4, Table 9, Figure 6) between 2002-2010:

- Hand/wrist claims made up 7.3% of all compensable claims.
- Average direct claim cost of \$43,164 and median direct claim cost: \$14,166.
- Average of 281 TL days per claim.
- Average CIR of 15.3 claims per 10,000 FTEs.
- Overall SR of 3,554 days per 10,000 FTEs.

3.3.4 BACK

Between 2002-2010:

- ⇒ Back claims were the most common claim type.
- ⇒ The severity rate (8,834 TL days/10,000 FTEs) was the highest among all body areas (almost twice as high as the second highest, 4,187 TL days/10,000 FTEs for the shoulder).
- ⇒ SF compensable back claims rate decreasing 8.3% per year on average ($p < 0.0001$), which was the greatest average decrease by year (5.6% faster average decrease by year than other body region claims ($p < 0.0001$)).
- ⇒ SI compensable back claims rates were also decreasing by an average of 8.7% by year, which was 6.1% faster than other SI compensable claims ($p < 0.0001$).

There were 79,480 **back** WMSDs (Table 4, Table 10, Figure 7) claims between 2002-2010:

- Back claims made up 19.5% of all compensable claims.

- Direct costs of over \$1.7 billion (highest across body regions).
- Average direct claim cost of \$44,220; median direct claim cost: \$6,032.
- Average time loss of 263 days.
- Average CIR of 40.8 claims per 10,000 FTEs.
- Overall severity rate of 8,834 days per 10,000 FTEs.

3.3.5 KNEE

Between 2002-2010:

⇒ Knee claims were decreasing 2.3% per year on average ($p < 0.0002$), not significantly different than all other claims.

There were 19,728 claims for **knee** WMSDs (Table 4, Table 11, Figure 8) between 2002-2010:

- Knee claims made up 4.8% of all compensable claims.
- Average direct claim cost of \$42,655; median direct claim cost: \$14,245.
- Average time loss of 226 days.
- Overall severity rate of 1,732 days per 10,000 FTEs.

3.4 MAGNITUDE AND COST OF WORK-RELATED MUSCULOSKELETAL DISORDERS BY SPECIFIC DIAGNOSIS (SF ONLY)

We selected several specific diagnoses for closer examination. Carpal tunnel syndrome (CTS) was the most common of the selected diagnoses (12,462 claims, Table 5), followed by rotator cuff syndrome. There was little difference across specific diagnoses in median age, median months tenure or BMI. Specific diagnosis information is only available for State Fund claims.

- The highest costs per claim were for **sciatica**.
- The highest time loss days per claim were for **sciatica**, followed by **rotator cuff syndrome**.
- **Bursitis** had the greatest average change, decreasing by 9.6% by year.

3.4.1. ROTATOR CUFF SYNDROME (SHOULDER)

Between 2002-2010:

- ⇒ There was an average of 1,347 rotator cuff syndrome claims per year.
- ⇒ The RCS compensable claims rate decreased an average of 2.0% ($p < 0.0001$) by year, not a significant difference than the 4.0% average yearly decrease for all other claims.
- ⇒ The severity rate (3,375.5 days per 10,000 FTEs) was the highest among the selected diagnoses.

There were 12,121 non-traumatic **rotator cuff syndrome** claims (Table 5, Table 12, Figure 9) from 2002-2010:

- Rotator cuff syndrome claims made up 3.0% of compensable claims.
- Average direct claim cost of \$74,061.
- Average time loss of 428 days.
- Average CIR of 6.2 per 10,000 FTEs.
- Severity rate of 3,373.5 days per 10,000 FTEs.

3.4.2. EPICONDYLITIS (ELBOW)

Between 2002-2010:

- ⇒ There was an average of 341 elbow epicondylitis claims per year.
- ⇒ The compensable claims rate for epicondylitis was decreasing 9.2% per year, ($p < 0.0001$).
- ⇒ This decrease was faster ($p < 0.05$) than the average yearly decrease of all other claims (3.8%, $p < 0.0001$).

There were 3,071 non-traumatic **epicondylitis** (Table 5, Table 13, Figure 10) claims from 2002-2010:

- Epicondylitis claims made up 0.7% of all compensable claims.
- Average direct claim cost of \$55,121; median direct claim cost \$19,484.
- Average time loss of 378 days, median time loss 129 days.
- Average CIR of 1.6.

- Severity rate of 769 days per 10,000 FTEs.

3.4.3. TENDONITIS/TENOSYNOVITIS (HAND/WRIST)

Between 2002-2010:

- ⇒ There was an average of 731 hand/wrist tendonitis/tenosynovitis claims per year.
- ⇒ The compensable claims rate decreased 6.9% per year ($p < 0.0001$), not significantly different than for all other claims.

There were 3,071 non-traumatic **hand/wrist tendonitis/tenosynovitis** claims (Table 5, Table 14, Figure 11) between 2002-2010:

- Hand/wrist tendonitis/tenosynovitis claims made up 1.6% of all compensable claims.
- Average cost of \$50,553 per claim; median direct cost \$15,721 per claim.
- Average time loss of 333 days, median time loss 95 days.
- Average CIR of 3.4 per 10,000 FTEs.
- Severity rate of 1,456 days per 10,000 FTEs

3.4.4. CARPAL TUNNEL SYNDROME (CTS) (HAND/WRIST)

Between 2002-2010:

- ⇒ There was an average of 1,385 CTS claims per year, the highest average number of claims per year for any specific diagnosis.
- ⇒ The compensable claims rate decreased 7.3% per year ($p < 0.0001$), compared to 3.7% for non-CTS claims.
- ⇒ The average CIR was the highest among the specific diagnoses.
- ⇒ CTS claimants were more often female, had the highest median Body Mass Index, and were on the job longest compared to the other specific diagnoses.

There were 12,462 accepted non-traumatic **carpal tunnel syndrome** (CTS) claims (Table 5, Table 15, Figure 12) from 2002-2010:

- Carpal tunnel syndrome claims made up 3.0% of all compensable claims.
- Average direct cost of \$49,481; median direct claim cost \$17,536.
- Average time loss of 321 days.

- The highest average CIR of the selected diagnoses, 6.4 claims per 10,000 FTE.
- Severity rate of 2,653 days per 10,000 FTEs.

The median age for CTS claimants was 45 years compared to 43 years for rotator cuff, and 37 years for tendonitis claimants. CTS claimants had the highest median BMI (29) and the longest median time on the job (30.1 months). The percentage of CTS claimants that were female (57%) was greater than that of rotator cuff syndrome (35%) or epicondylitis (44%) claimants. The same was true for hand/wrist tendonitis claimants (62% female).

3.4.5. SCIATICA (BACK)

Between 2002-2010:

- ⇒ There was an average of 504 SF sciatica claims per year.
- ⇒ These claims, while infrequent (low claims rate), were extremely costly.
- ⇒ The CIR has significantly decreased, 9.0% per year, ($p < 0.0001$) compared to non-sciatica cases at 3.8% per year, ($p < 0.01$).

There were 4,358 non-traumatic **sciatica** claims (Table 5, Table 16, Figure 13) between 2002-2010:

- Sciatica claims made up 1.1% of all compensable claims.
- An average cost of \$110,113 per claim.
- Average of 613 lost workdays.
- A CIR of 2.3 claims per 10,000 FTEs.
- Severity rate of 1,836 lost days per 10,000 FTEs.

3.4.6. BURSTITIS (KNEE)

Between 2002-2010:

- ⇒ There was an average of 54 knee bursitis claims per year.
- ⇒ The claims rate decreased significantly, 9.6% by year ($p < 0.0001$), which was not significantly different than the decrease of non-bursitis claims.
- ⇒ Workers with knee bursitis had the lowest median age, 41 years.

There were 483 non-traumatic **knee bursitis** (Table 5, Table 17, Figure 14) between 2002-2010:

- Knee bursitis claims made up less than 1% of all compensable claims.
- Average costs of \$55,665 per claim, median \$12,424.
- An average of 316 lost workdays.
- CIR of 0.2 per 10,000 FTEs.
- Severity rate of 97 lost days per 10,000 FTEs.

3.5 DISTRIBUTION OF WMSDs BY INDUSTRY

Between 2002-2010:

- ⇒ The CIR for Transportation & Utilities (175 per 10,000 FTEs,) was 1.9 times that of the overall industry rate, costing more than \$2 billion and 1.4 million lost workdays over the report period.

Overall, Construction, Transportation & Utilities, and Health Care continue to be high risk industries for WMSDs in workers in Washington State, and are the top three industry sectors of concern based on the prevention index (Table 6).

The Top 10 industry groups (Table 6) overall were:

1. Scheduled Air Transportation (NAICS 4811)
2. Foundation, Structure, & Building Exterior Contractors (NAICS 2381)
3. Building Equipment Contractors (NAICS 2382)
4. Couriers & Express Delivery Services. (NAICS 4921)
5. Nursing Care Facilities (NAICS 6231)
6. General Medical & Surgical Hospitals (NAICS 6221)
7. Building Finishing Contractors (NAICS 2383)
8. General Freight Trucking (NAICS 4841)
9. Grocery Stores (NAICS 4451)
10. Residential Building Construction (NAICS 2361).

3.6 WMSDs BY PREVENTION INDEX (PI) AND 4-DIGIT NAICS CODE

Carpal tunnel syndrome and **hand/wrist tendonitis** were more prevalent in industries requiring forceful, repetitive hand activities such as in **Dentists' Offices** and **Grocery Stores**.

Back and shoulder WMSDs were concentrated in industries characterized by manual handling activities.

Back WMSDs had higher severity rates than other body regions. The Construction Sector was ranked highest by PI for back WMSDs (Table 10). Nursing Care Facilities (RR=3.2) was followed by Foundation Structure & Building Exterior

Contractors (RR=2.9). Similar industries were identified for sciatica, which occurs much less frequently but is much more costly (Table 16).

The top 3 industry sectors for **shoulder** WMSDs were Construction, Transportation & Utilities, and Manufacturing (Table 7). The top 10 industry groups included General Freight Trucking (NAICS 4841), Scheduled Air Transportation (NAICS 4811) and Building Equipment Contractors (NAICS 2382), as well as Nursing Care Facilities (NAICS 6231). The highest RR for shoulder WMSDs was in Interurban & Rural Bus Transportation (RR=4.5), ranked 17th by PI (Table 7, Top 25).

For **knee** WMSDs, the Construction Sector (RR=2.3), followed by the Transportation and Utilities Sector (RR=2.2) were ranked highest by PI (Table 11). In addition to certain Construction contractor industry groups (NAICS 2361, 2381, 2382; RRs=2.4-2.7), Couriers and Express Delivery Services (RR=4.0) and General Freight Trucking (RR=2.6) made up the top five (Table 11, Top 25).

Based on the PI, **rotator cuff syndrome** claims were more likely to be concentrated in manual handling industries similar to back claims with General Freight Trucking (NAICS 4841) being first on the PI (RR=3.4), followed by Building Equipment Contractors, Building Finishing Contractors, and Foundation, Structure and Building Exterior Contractors (Table 12, Top 25).

Epicondylitis also was primarily concentrated in Construction industries, but Services and Manufacturing also include industry groups that are characterized by both manual handling and repetitive motion activities, Table 13.

Carpal tunnel syndrome (Table 15) was more prevalent in those industry groups characterized by repetitive work, such as Building Equipment Contractors (RR=8.1), and Personal Care Services (RR=3.1).

The top 10 NAICS codes for **hand/wrist tendonitis** (Table 14), were similar to those for carpal tunnel syndrome (e.g. Bldg. Equip. Contractors, Personal Care Services, Offices of Dentists, Grocery Stores) but also included, Seafood Product Preparation & Packaging (NAICS 3117), Employment Services (NAICS 5613), Special Food Services (NAICS 7223), and Residential Mental Retardation, Mental Health & Substance Abuse Facilities (NAICS 6232).

4.0 DISCUSSION

Over the course of the past 12 years, SHARP has published 6 workers' compensation surveillance reports, looking at work-related musculoskeletal disorders (WMSDs) – musculoskeletal disorders that are aggravated by work activities over time, such as frequent or heavy manual handling, awkward postures, and forceful or repetitive exertions. In previous editions, we have examined the Workers' Compensation claims for all WMSDs of the neck, upper extremity (shoulder, elbow, hand/wrist) and back and for specific diagnoses including rotator cuff syndrome, elbow epicondylitis, tendonitis/tenosynovitis of the hand/wrist, carpal tunnel syndrome and sciatica. In the current report, we continue to examine claims for the upper extremity and back but include the knee and eliminate the neck. The specific diagnosis examined for the knee is bursitis.

The major findings of this report are:

1. WMSDs continued to be a large and costly problem for workers and companies, costing over \$5 billion for State Fund claims alone over the report period.
2. Claims incidence rates for some but not all WMSDs were decreasing; some compensable claims rates were decreasing less rapidly than non-WMSD claims rates.
3. The construction, transportation & utilities, and health care industry sectors had the highest rates and numbers of WMSD claims.

4.1 MAGNITUDE AND COST

On average, there were nearly 50,000 WMSDs of the upper extremity, back and knee every year (30,781 accepted State Fund and 7,482 Self-Insured closed compensable claims, with an estimate of 11,660 Self-Insured medical only claims based on State Fund distribution).

4.1.1 STATE FUND

Upper extremity, back, and knee musculoskeletal disorders represent a significant cause of morbidity in the working population. WMSDs account for 27.2% of all State Fund claims. Among all claims, 26.2% were compensable whereas among WMSD cases, 39.1% were compensable claims. Overall, these WMSD claims for upper extremity,

back, and knee WMSDs in the State Fund had direct costs of \$5.0 billion over the 9-year period, an average annual direct cost of \$556 million per year.

The overall accepted claims rate has decreased 7.3% per year over the report period. The WMSD claims incidence rate decreased slightly more ($p < 0.01$) than the claims incidence rate for non-WMSD claims (4.3% per year).

We looked at self-reported duration of time on the job before claim reporting (77% reported in compensable claims) and body mass index (height and weight self-reported in 91% of compensable claims). The median time on the job was 29 months both for all compensable claims and for compensable WMSD claims (Table 3). The longest average duration was 30 months for carpal tunnel syndrome claimants (Table 5). It is unknown whether this reflects a longer time to develop CTS or an administrative or treatment issue.

Median body mass index (BMI) for all those with State Fund compensable claims was increased from 27.2 in the previous report from 2007 to 27.5 in this report (Table 3). This may reflect the continuing increase in overweight individuals in the population and not be specific to claimants. However, the median BMI for compensable WMSDs was 27.9 (Table 3), and for carpal tunnel syndrome claimants it was 29.0 (Table 5), almost one full point above the other specific conditions. Unfortunately, we do not have underlying population data (non-injured workers) to compare this value to. However, in a number of epidemiological studies of carpal tunnel syndrome, BMI has been a risk factor for CTS. While Melchoir (2006) found an increased risk for upper extremity WMSDs, he did not find a significant increased risk for CTS due to elevated BMI. Arena (2006) found increasing BMI was a predictor for short-term disability among white collar workers in the workplace.

4.2 COMPARISONS WITH OTHER STUDIES

Although the US Bureau of Labor Statistics (BLS) has a somewhat different definition of WMSDs, some comparison is reasonable. For 2010, BLS reported that the national rate for all cases resulting in days away from work was 117.9 per 10,000 FTEs compared to the Washington State workers' compensation rate of 209.4 per 10,000 FTEs. The BLS reported a 2010 national rate for MSDs of 34 per 10,000 FTEs and a Washington State rate of 63.1 per 10,000. The Washington State combined State Fund and Self-Insured

workers' compensation rate for WMSDs between 2002-2010 was 90 per 10,000 FTEs. National BLS figures do not include state or local government whereas the Washington State BLS data does. Nationally, MSD cases comprised 30.5% of all cases in 2010. Washington's compensable WMSDs represented 43% of all compensable claims between 2002-2010 compared to the 2010 BLS reporting of 39% for Washington State.

There has been considerable debate about why Washington State's BLS rates are generally higher than the national average. The BLS data collection methodology has been identified as a source of incomplete case capture. Collecting injury/illness reports within a few months of survey years hinders the reporting of illnesses with long latencies, injuries that worsen over time and those that are difficult to establish work-relatedness (Ruser, 2008; Nestoriak et al, 2009). Employer recording practices also contribute to BLS underreporting. Non-compliance with OSHA recordkeeping regulations, the use of workplace injury data for job performance evaluations, the recording of injuries for a multiple shift worksite and failure to follow reporting instructions are factors that have been attributed to underreporting of cases (Wuellner and Bonauto, 2014).

The incidence of work-related CTS found in this report was 8.9 per 10,000 FTEs over the years 2002-2010. BLS reported a 30% decrease in CTS incidence between 1992 and 2001, from 4.3 to 3.0 per 100 FTEs (<http://www.bls.gov/iif/oshcdnew.htm>).

4.3 HIGH RISK INDUSTRIES

The focus of this report has been identifying high-risk industries for both research and prevention purposes. It should be noted that there are high-risk jobs in low risk industries. However, we did not have adequate denominator data to determine incidence rates by occupation in this report.

We used three different approaches to identify high-risk industries: **frequency count (Count)**, **relative risk (RR)** or rate ratio, and **Prevention Index (PI)**. Each can be used to inform prevention efforts through different approaches. Other factors should also be considered when weighing interventions or research, such as training capacity, tasks, engineering innovations, and industry sector business practices (e.g. use of temporary workers).

The **frequency count** can be used to identify industries with the most claims, and can be used to direct prevention efforts to reduce the overall number of claims. Large industries with many employees will be impacted the most by use of this approach. Using frequency count, the top 3 ranked industry groups, identified by their 4-digit NAICS code, were (Table 6):

- 1) General Medical and Surgical Hospitals (NAICS 6221): RR rank= 28
- 2) Executive, Legislative and Other General Government Support (NAICS 9211): RR rank= 37
- 3) Aerospace Product and Parts Manufacturing (NAICS 3364): RR rank= 84.

These 3 industry groups employ large number of workers in Washington State, however, specific employers may not have a high concentration of risk factors present.

The relative risk (RR) or rate ratio is used to identify industries at highest risk of injury or illness. We would expect to find a higher concentration of risk factors present in most workplaces in these industries. This might be important in focusing inspection activities or research where contrasts in claims incidence rates may be important.

Using relative risk to rank industry groups, the top three were:

- 1) Leather and Hide Tanning and Finishing (NAICS 3161): Count rank 293
- 2) Scheduled Air Transportation (NAICS 4811): Count rank 19
- 3) Interurban and Rural Bus Transportation (NAICS 4852): Count rank 80.

Although the risk is high, the number of employees may be small and the overall industry impact of prevention activities would be limited to those few.

The **Prevention Index (PI)** was developed as a way to obtain the most impact in high-risk industries. It treats frequency and relative risk as equally important.

The top 3 ranked industry groups by Prevention Index are:

- 1) Scheduled Air Transportation (NAICS 4811): Count rank=19, RR rank=2
- 2) Foundation, Structure & Building Exterior Contractors (NAICS 2381): Count rank=11, RR rank=11
- 3) Building Equipment Contractors (NAICS 2382): Count rank=7, RR rank=17.

These industry groups rank high both on frequency count and relative risk, allowing intervention activities to impact the greatest number in conjunction with the highest risk.

Based on the State Fund Prevention Index and 4-digit NAICS code for compensable WMSDs (Table 6, Top 25 by PI), the industry groups from transportation, construction and healthcare were among the highest ranked. The industries of note that ranked high and involve heavy manual handling are: Foundation, Structure & Building Exterior Contractors, Building Equipment Contractors, Courier & Express Delivery Services, Nursing Care Facilities, and General Medical & Surgical Hospitals. These industry groups were also ranked high by PI in the previous report, using workers' compensation data from 1995-2007. Scheduled Air Transportation, previously unranked in the Top 25 listing, ranked highest by PI.

Based on the State Fund Prevention Index and 4-digit NAICS code for compensable hand/wrist WMSD claims (Table 9, Top 25 by PI), high ranking industry groups included Building Equipment Contractors, Grocery Stores, Personal Care Services (establishments that provide appearance care services such as hair and nail salons) and Animal Slaughtering and Processing. These industries can be characterized by highly repetitive hand motions. Scheduled Air Transportation, previously unranked in the Top 25 listing, ranked 4th.

For compensable back WMSD claims, the top ranking industry groups (Table 10), based on the Prevention Index, included those that involve frequent and heavy lifting. Industry groups of note included Couriers & Express Deliver, Nursing Care Facilities and Schedule Air Transportation (which includes freight air transportation).

Industry groups from transportation and construction were prevalent among the Top 25 by Prevention Index for compensable knee WMSD claims (Table 11). Industry groups include Residential Building Constructions, Building Equipment Contractors, Couriers & Express Delivery Services and General Freight Trucking. Workplace risk factors that characterize the construction industry include working on uneven surfaces and kneeling/squatting. For the transportation industry, a risk factor of note is the repetitive egress/ingress from vehicles.

4.4 UNDERREPORTING IN THE WORKERS' COMPENSATION DATA

There are reasons to believe that the magnitude and costs analyzed using the workers' compensation claims data are underestimated. Employees with work-related injuries

may not seek treatment through the workers' compensation system or report having medical procedures paid by the WC system (Morse 2005). Fan et al (2006) identified underreporting of work-related injuries to workers' compensation in Washington State using state Behavioral Risk Factor Surveillance System (BRFSS) data.

None of these data take into account the indirect costs to the employer in lost productivity, quality, training replacement workers, recruitment and other administrative costs. Foley et al (2007) followed Washington State CTS claimants compared to upper-extremity fracture and dermatitis claimants for six years after claim filing and found that CTS claimant earnings losses were substantially greater than for fractures. They were able to recover to approximately half of their pre-injury earnings at six years compared to those with fractures and had three times the time loss duration. These data also do not take into account the quantitative and qualitative costs to the claimant and their family, or the workers who suffer from work-related back or upper extremity disorders who never file a workers' compensation claim.

4.5 STRENGTHS OF USING WORKERS' COMPENSATION DATA

The medical record review indicated that the State Fund databases were useful for correctly identifying carpal tunnel syndrome, epicondylitis, rotator cuff syndrome and that our coding scheme for determining non-traumatic soft tissue disorders was good for the back and upper extremity but poor for the lower extremity. Our random records review of knee and ankle disorders indicated that the vast majority are of traumatic origin.

In this report we are able to report severity rates (number of lost workdays per 10,000 FTEs) for State Fund employers. This is an important indicator of the serious, debilitating nature of these injuries that cannot be captured with claims incidence or rate ratios alone. While WMSDs represent 27% of all claims, they account for more than 48.5% of all lost work days.

The use of the Prevention Index has been shown to be relatively stable from year to year. The top 15 industries in need of focused research and prevention efforts, based on the Prevention Index for WMSDs, using combined State Fund and Self-Insured compensable claims (Table 6), are:

1. Scheduled Air Transportation
2. Foundation, Structure, & Building Exterior Contractors
3. Building Equipment Contractors
4. Couriers & Express Delivery Services.
5. Nursing Care Facilities
6. General Medical & Surgical Hospitals
7. Building Finishing Contractors
8. General Freight Trucking
9. Grocery Stores
10. Residential Building Construction
11. Department Stores
12. Executive, Legislative, & Other General Government Support
13. Waste Collection
14. Specialized Freight Trucking
15. Services to Buildings & Dwellings

By focusing prevention efforts in these industries, the biggest impact on claims rates, severity and costs due to WMSDs can be achieved because these Top 15 industry groups are large and have high risk.

4.6 LIMITATIONS OF USING WORKERS' COMPENSATION DATA

There are a number of limitations in this report. Potential misclassification of the outcome measures is an important consideration. Underestimation of non-traumatic onset was identified in the records review. This was particularly evident in the Self-Insured data. The use of broad industrial categories as surrogates for exposure may mask high risk jobs in heterogeneously exposed industries.

Labor & Industries transitioned to OIICS coding for claims received after July 1, 2005. The new selection criteria for claims received after this date are covered in Tables 1, 2a and 2b. Claims received prior to this date are identified based on previously published definitions.

This report includes very limited data for the largest employers in the state who employ one-third of the workforce, including large aerospace, health care and forest products which are known to involve jobs with work-related MSD risk.

In some respects, because smaller employers are more represented in the State Fund, costs may be overestimated due to the greater capacity of large employers to return employees to work, even in light duty jobs, thereby reducing lost time days and costs.

Another limitation is the inherent bias in reporting. The traumatic onset disorders tend to gain more ready acceptance in the workers' compensation system than the more gradual or non-traumatic onset disorders.

4.7 CONCLUSIONS

Research and prevention activities focused in industries with high demands for manual handling and repetitive work should contribute to the reduction of work-related disorders.

The biggest prevention impact for upper extremity disorders can be achieved by reducing the duration or frequency of exposure to high forces. For the back, the biggest prevention impact can be achieved through the elimination of awkward or heavy manual handling tasks through redesign and modification. Ideas on how to reduce specific hazards in different industries can be found in the Department of Labor & Industries Ergonomics Ideas Bank:

<http://www.lni.wa.gov/Safety/Topics/ReduceHazards/ErgoBank/default.asp>

5.0 REFERENCES

Bernard B (ed). Musculoskeletal disorders and workplace factors -- A critical review of epidemiologic evidence for work-related musculoskeletal disorders of the neck, upper extremity, and low back. 2nd ed. CDC/NIOSH 97-141, 1997, 5a-28.

Deyo RA, Rainville J, Kent DL. What can the history and physical examination tell us about low back pain? *JAMA*, 1992, 268(6):760-765.

Ettema AM, Amadio PC, Zhao C et al. Changes in the functional structure of the tenosynovium in idiopathic carpal tunnel syndrome: A scanning electron microscope study. *Plast Reconstr Surg* 2006; 118(6):1413-22.

Fan ZJ, et al. Underreporting of work-related injury or illness to workers' compensation: individual and industry factors. *J Occup Environ Med*, 2006 Sep; 48(9):914-22.

Foley M, et al. The economic burden of carpal tunnel syndrome: long-term earnings of CTS claimants in Washington state. *AJIM*, 2007; 50(3):155-72.

Melchior M, Roquelaure Y, Evanoff B et al. Why are manual workers at high risk of upper limb disorders? The role of physical work factors in a random sample of workers in France (the Pays de la Loire study). *Occup Environ Med* 2006; 63(11):754-61.

Morse T, Dillon C, Kenta-Bibi E, Weber J, Diva U, Warren N, Grey M. Trends in work-related musculoskeletal disorder reports by year, type, and industrial sector: A capture-recapture analysis. *AJIM* 2005; 41(1): 40-49.

Nestoriak N, Pierce B. Comparing workers' compensation claims with establishments; responses to the SOII. *Mon Labor Rev*, 2009; 132: 8.

Ruser J. Examining evidence on whether BLS undercounts workplace injuries and illnesses. *Mon Labor Rev*, 2008; 131: 13.

Silverstein BA, Fan ZJ, Bonauto DK, Bao S, Smith CK, Howard N, Viikari-Juntura E. The natural course of carpal tunnel syndrome in a working population. *Scan J Work Environ Health* 2010; 36(5): 384-393.

Viikari-Juntura E, Silverstein B. Role of physical load factors in carpal tunnel syndrome. *Scand J Work Environ Health*, 1999, 24(3):163-185.

Wuellner S, Bonauto DK. Exploring the relationship between employer recordkeeping and underreporting in the BLS survey of occupational injuries and illnesses. *Am J Ind Med*, 2014; 57: 1133-1143.

6.0 GLOSSARY

6.1 KEY TERMS

Body Mass Index (BMI) $[\text{Weight (lbs)} / \text{height (in)}^2] * 703$

Full-Time Equivalent (FTE): full-time employees works 2,000 hours per year (40 hours per week for 50 weeks per year).

Claims Incidence Rate (CIR): number of new claims per 10,000 full-time equivalent (FTE) workers per year.

NAICS: North American Industrial Classification System.

Direct Workers' Compensation costs: Financial losses directly associated with an injury or illness, such as costs of time-loss compensation, medical expenses and legal costs. Claim costs reported here reflect actual totals for closed claims. For State Fund claims that were not closed, costs reflect actual totals to this date *plus* the additional case reserve as estimated by agency staff. Costs are expected to develop further for the most recent years

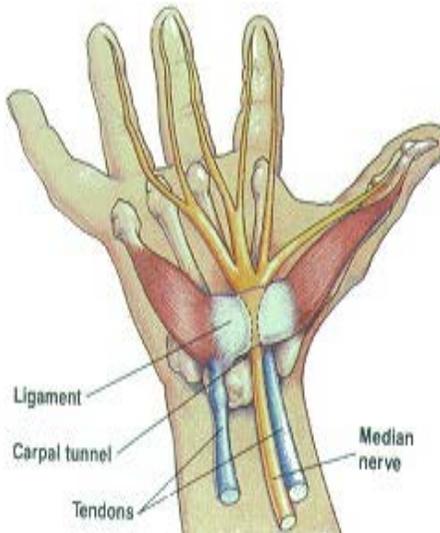
Prevention Index (PI): The average of the two ranks for the specific industry.

$$\text{PI} = \frac{\text{Frequency Rank} + \text{Incidence Rank}}{2}$$

Relative Risk or Rate Ratio (RR): Incidence rate of specific industry divided by incidence rate for all industries. Relative risk of more than 1 indicates risk in that industry is more than for all industries combined.

Severity Rate (SR): number of lost days per 10,000 full-time equivalent (FTE) workers per year.

6.2 SPECIFIC CONDITIONS

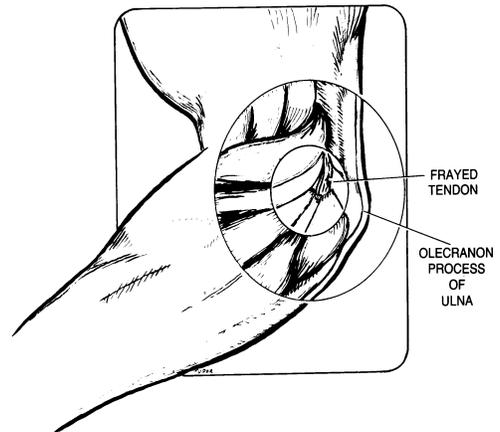


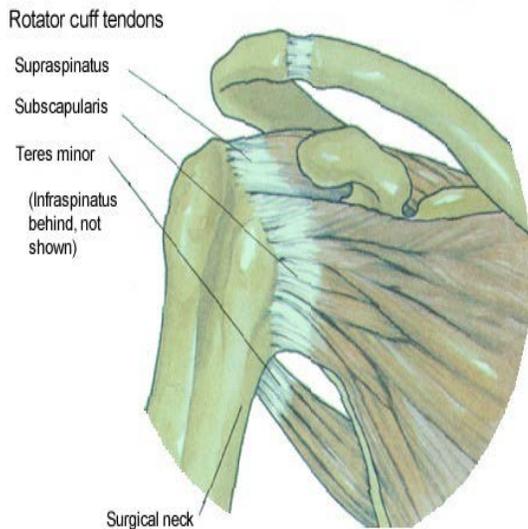
Carpal tunnel syndrome (CTS) is the compression of the median nerve at the wrist, due to ischemia or inflammation. CTS is characterized by numbness, tingling, or pain in the median nerve distribution of the hand (first 3 ½ fingers), frequently worse symptoms at night. Work-related CTS has been associated with high repetition, force, awkward wrist postures and segmental vibration (Bernard, 1997; Viikari-Juntura and Silverstein, 1999). A recent study by Ettema (2006) suggested that shear forces related to rapid or forceful finger motions cause tendon scarring in the carpal tunnel. Melchior (2006) reported increased risk with wrist flexion of more than two hours per day in women.

Epicondylitis is an inflammation of the tendon at the elbow (lateral epicondylitis or tennis elbow is most common).

Epicondylitis is characterized by pain during resisted maneuvers load the tendons and by tenderness on tendon palpation.

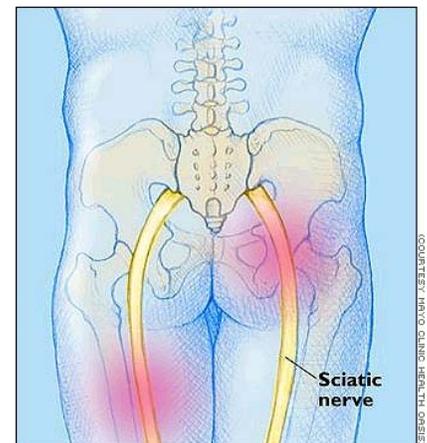
Repetitive forceful postures such as twisting or pronation of the forearm combined with extension of the wrist while gripping have been associated with epicondylitis.





Rotator cuff syndrome involves inflammation, degeneration and tear of the tendons around the shoulder (with the supraspinatus tendon most frequently involved). Pain with certain motions is common, particularly against resistance. Tearing usually results in weakness. Work-related shoulder disorders have generally been attributed to high static or repetitive loads on the shoulder girdle, particularly in combination with abduction, rotation or flexion (Bernard, 1997; Melchior et al., 2006).

Sciatic pain is manifested as radiating low back pain that goes below the knee. This very sensitive (95%) indicator of lumbar disc herniation (Deyo, 1992) has been associated with manually handling heavy loads.



Hand/Wrist Tendonitis is may involve one or more tendons that run through the wrist and is characterized by swelling, inflammation or irritation of the involved tendons. Hand/wrist tendonitis may develop due to repetitive wrist motions or prolonged, awkward postures. Symptoms may include an ache, stiffness, tenderness and pain especially when the joint is moved.

Knee Bursitis is the inflammation of one or more bursae, fluid-filled sacs that reduce friction and act as a cushion between bone and tendons. Knee bursitis may present itself as tenderness, swelling, pain, limited joint movement or stiffness.

Each of these specific conditions has also been associated with an acute traumatic onset (e.g., falls).

Table 2a. Non specific diagnosis ICD-9 codes - must match restrictive body part.

| Back | Elbow | Hand-wrist | Knee | Neck | Shoulder | Upper Extremity | Misc. non-traumatic |
|--------|--------|------------|--------|--------|----------|-----------------|---------------------|
| 719.4 | 719.4 | 719.4 | 719.4 | 719.4 | 719.4 | | 719.4 |
| 719.40 | 719.40 | 719.40 | 719.40 | 719.40 | 719.40 | | 719.40 |
| | 719.42 | | | | 719.42 | 719.42 | |
| 719.48 | 719.48 | 719.48 | 719.48 | 719.48 | 719.48 | | 719.48 |
| 719.49 | 719.49 | 719.49 | 719.49 | 719.49 | 719.49 | | 719.49 |
| 719.5 | 719.5 | 719.5 | 719.5 | 719.5 | 719.5 | | 719.5 |
| 719.50 | 719.50 | 719.50 | 719.50 | 719.50 | 719.50 | | 719.50 |
| | 719.52 | | | | 719.52 | 719.52 | |
| 719.58 | 719.58 | 719.58 | 719.58 | 719.58 | 719.58 | | 719.58 |
| 726 | 726 | 726 | 726 | 726 | 726 | | 726 |
| 726.9 | 726.9 | 726.9 | 726.9 | 726.9 | 726.9 | | 726.9 |
| 726.90 | 726.90 | 726.90 | 726.90 | 726.90 | 726.90 | | 726.90 |
| 727 | 727 | 727 | 727 | 727 | 727 | | 727 |
| 727.0 | 727.0 | 727.0 | 727.0 | 727.0 | 727.0 | | 727.0 |
| 727.00 | | 727.00 | 727.00 | 727.00 | 727.00 | | 727.00 |
| 727.01 | 727.01 | 727.01 | 727.01 | 727.01 | 727.01 | | 727.01 |
| 727.09 | 727.09 | 727.09 | 727.09 | 727.09 | 727.09 | | 727.09 |
| | 727.2 | 727.2 | 727.2 | | 727.2 | | 727.2 |
| | 727.3 | 727.3 | 727.3 | | 727.3 | | 727.3 |
| 727.4 | 727.4 | 727.4 | 727.4 | 727.4 | 727.4 | | 727.4 |
| 727.40 | 727.40 | 727.40 | 727.40 | 727.40 | 727.40 | | 727.40 |
| | | 727.41 | 727.41 | | 727.41 | | 727.41 |
| | | 727.42 | 727.42 | | 727.42 | | 727.42 |
| | | 727.43 | 727.43 | | 727.43 | | 727.43 |
| | 727.49 | 727.49 | 727.49 | | 727.49 | | 727.49 |
| 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | | 727.6 |
| 727.60 | 727.60 | 727.60 | 727.60 | 727.60 | 727.60 | | 727.60 |
| | | | | | | 727.62 | |
| 727.69 | 727.69 | 727.69 | 727.69 | 727.69 | 727.69 | | 727.69 |
| 728.85 | 728.85 | 728.85 | 728.85 | 728.85 | 728.85 | | 728.85 |
| 729 | 729 | 729 | 729 | 729 | 729 | | 729 |
| 729.0 | 729.0 | 729.0 | 729.0 | 729.0 | 729.0 | | 729.0 |
| 729.1 | 729.1 | 729.1 | 729.1 | 729.1 | 729.1 | | 729.1 |
| 729.2 | 729.2 | 729.2 | 729.2 | 729.2 | 729.2 | | 729.2 |
| | 729.5 | 729.5 | 729.5 | | 729.5 | | 729.5 |
| | 739.7 | 739.7 | | | 739.7 | 739.7 | |

Table 2b. Specific diagnosis ICD-9 codes- allows some flexibility in coded body part.

| Back | Elbow | Hand-wrist | Knee | Neck | Shoulder | Sciatica | Rotator Cuff Syndrome | Epicondylitis | Tendonitis | Carpal Tunnel Syndrome | Bursitis |
|--------|--------|------------|--------|--------|----------|----------|-----------------------|---------------|------------|------------------------|----------|
| 720.1 | 719.43 | 354 | 719.46 | 721 | 719.41 | 724.3 | 726.1 | 726.31 | 727.03 | 354 | 726.6 |
| 720.2 | 719.53 | 354.0 | 719.56 | 721.0 | 719.51 | | 726.10 | 726.32 | 727.04 | 354.0 | 726.60 |
| 721.3 | 726.3 | 718.44 | 726.6 | 721.1 | 726.0 | | 727.61 | | 727.05 | | 726.69 |
| 721.42 | 726.30 | 719.54 | 726.60 | 722 | 726.1 | | 840.4 | | 727.4 | | 727.2 |
| 722.1 | 726.31 | 726.4 | 726.61 | 722.0 | 726.10 | | | | 727.42 | | 727.3 |
| 722.2 | 726.32 | 727.03 | 726.62 | 722.4 | 726.11 | | | | | | |
| 722.52 | 726.33 | 727.04 | 726.63 | 722.71 | 726.12 | | | | | | |
| 722.6 | 726.39 | 727.05 | 726.64 | 722.91 | 726.19 | | | | | | |
| 722.7 | 841.8 | 727.63 | 726.65 | 723.1 | 727.61 | | | | | | |
| 722.73 | 841.9 | 727.64 | 726.69 | 723.3 | 840.3 | | | | | | |
| 722.9 | | | 727.51 | 723.4 | 840.4 | | | | | | |
| 722.90 | | | 727.66 | 723.9 | 840.5 | | | | | | |
| 722.93 | | | 727.83 | 739.1 | 840.6 | | | | | | |
| 724.02 | | | | 847 | | | | | | | |
| 724.09 | | | | | | | | | | | |
| 724.2 | | | | | | | | | | | |
| 724.3 | | | | | | | | | | | |
| 724.4 | | | | | | | | | | | |
| 724.5 | | | | | | | | | | | |
| 739.3 | | | | | | | | | | | |
| 739.4 | | | | | | | | | | | |
| 847.2 | | | | | | | | | | | |

Table 3. Washington State Compensable Claims. All Claims & Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010.

| | All Compensable Claims | Non-Traumatic Soft-Tissue Disorders (WMSDs) |
|---|------------------------|---|
| Total Compensable Claims (SF+SI) | 409,711 | 176,033 |
| % of ALL Compensable Claims | 100.0% | 43.0% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$8,223.5 | \$3,869.2 |
| State Fund Medical Costs (\$Millions) | \$4,306.5 | \$1,802.8 |
| Average # Claims per Year (SF+SI) | 45,523 | 19,559 |
| Percent Female (SF+SI) | 35.2% | 40.1% |
| Median Age(SF+SI) | 42 | 43 |
| Median BMI (SF) | 27.5 | 27.9 |
| Median Tenure Months (SF) | 29 | 29 |
| Claims Rate per 10,000 FTE (SF+SI) | 209.4 | 90 |
| SF Severity (TL days per 10,000 FTE) | 37,909.0 | 18,397.5 |
| SF Average TI Days per Claim | 231.9 | 266.5 |
| SF Median TI Days per Claim | 43 | 56 |
| SF Average Total Direct Costs per Claim | \$40,800 | \$44,687 |
| SF Median Total Direct Costs per Claim | \$8,636 | \$11,183 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.4% of SF Comp

**Tenure was available for 76.6% of SF Comp

Table 3. Agriculture: Washington State Compensable Claims. All Claims & Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010.

| | All Compensable Claims | Non-Traumatic Soft-Tissue Disorders (WMSDs) |
|---|------------------------|---|
| Total Compensable Claims (SF+SI) | 14,365 | 3,334 |
| % of ALL Compensable Claims | 100.0% | 23.2% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$328.6 | \$91.3 |
| State Fund Medical Costs (\$Millions) | \$216.2 | \$45.6 |
| Average # Claims per Year (SF+SI) | 1,596 | 370 |
| Percent Female (SF+SI) | 19.1% | 20.6% |
| Median Age(SF+SI) | 39 | 41 |
| Median BMI (SF) | 27.4 | 27.7 |
| Median Tenure Months (SF) | 29 | 29 |
| Claims Rate per 10,000 FTE (SF+SI) | 270.7 | 62.8 |
| SF Severity (TL days per 10,000 FTE) | 58,931.7 | 15,509.5 |
| SF Average TI Days per Claim | 246.8 | 290.8 |
| SF Median TI Days per Claim | 53 | 70 |
| SF Average Total Direct Costs per Claim | \$41,383 | \$44,990 |
| SF Median Total Direct Costs per Claim | \$8,388 | \$11,703 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 78.0% of SF Comp

**Tenure was available for 78.6% of SF Comp

Table 3. Construction: Washington State Compensable Claims. All Claims & Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010.

| | All Compensable Claims | Non-Traumatic Soft-Tissue Disorders (WMSDs) |
|---|------------------------|---|
| Total Compensable Claims (SF+SI) | 55,862 | 20,613 |
| % of ALL Compensable Claims | 100.0% | 36.9% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$2,080.7 | \$948.1 |
| State Fund Medical Costs (\$Millions) | \$1,074.7 | \$417.8 |
| Average # Claims per Year (SF+SI) | 6,207 | 2,290 |
| Percent Female (SF+SI) | 4.7% | 6.5% |
| Median Age(SF+SI) | 38 | 40 |
| Median BMI (SF) | 27.1 | 27.3 |
| Median Tenure Months (SF) | 29 | 29 |
| Claims Rate per 10,000 FTE (SF+SI) | 468.4 | 172.8 |
| SF Severity (TL days per 10,000 FTE) | 116,755.6 | 55,485.3 |
| SF Average TI Days per Claim | 319.5 | 377.5 |
| SF Median TI Days per Claim | 70 | 105 |
| SF Average Total Direct Costs per Claim | \$57,812 | \$67,929 |
| SF Median Total Direct Costs per Claim | \$11,270 | \$16,392 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 92.3% of SF Comp

**Tenure was available for 75.0% of SF Comp

Table 3. Services: Washington State Compensable Claims. All Claims & Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010.

| | All Compensable Claims | Non-Traumatic Soft-Tissue Disorders (WMSDs) |
|---|------------------------|---|
| Total Compensable Claims (SF+SI) | 134,507 | 55,634 |
| % of ALL Compensable Claims | 100.0% | 41.4% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$2,232.3 | \$1,024.9 |
| State Fund Medical Costs (\$Millions) | \$1,275.2 | \$546.8 |
| Average # Claims per Year (SF+SI) | 14,945 | 6,182 |
| Percent Female (SF+SI) | 41.8% | 44.2% |
| Median Age(SF+SI) | 43 | 44 |
| Median BMI (SF) | 27.5 | 27.8 |
| Median Tenure Months (SF) | 29 | 29 |
| Claims Rate per 10,000 FTE (SF+SI) | 147.6 | 61 |
| SF Severity (TL days per 10,000 FTE) | 23,325.9 | 11,404.6 |
| SF Average TI Days per Claim | 204.9 | 238.8 |
| SF Median TI Days per Claim | 38 | 50 |
| SF Average Total Direct Costs per Claim | \$35,054 | \$38,374 |
| SF Median Total Direct Costs per Claim | \$7,769 | \$10,328 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.5% of SF Comp

**Tenure was available for 76.7% of SF Comp

Table 3. Healthcare: Washington State Compensable Claims. All Claims & Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010.

| | All Compensable Claims | Non-Traumatic Soft-Tissue Disorders (WMSDs) |
|---|------------------------|---|
| Total Compensable Claims (SF+SI) | 45,229 | 24,273 |
| % of ALL Compensable Claims | 100.0% | 53.7% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$654.8 | \$354.8 |
| State Fund Medical Costs (\$Millions) | \$350.7 | \$183.9 |
| Average # Claims per Year (SF+SI) | 5,025 | 2,697 |
| Percent Female (SF+SI) | 79.9% | 82.0% |
| Median Age(SF+SI) | 44 | 43 |
| Median BMI (SF) | 28.7 | 28.3 |
| Median Tenure Months (SF) | 29 | 29 |
| Claims Rate per 10,000 FTE (SF+SI) | 209.9 | 112.7 |
| SF Severity (TL days per 10,000 FTE) | 34,190.2 | 18,886.9 |
| SF Average TI Days per Claim | 212.8 | 230.6 |
| SF Median TI Days per Claim | 39 | 45 |
| SF Average Total Direct Costs per Claim | \$33,335 | \$34,235 |
| SF Median Total Direct Costs per Claim | \$7,610 | \$8,693 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 93.3% of SF Comp

**Tenure was available for 77.7% of SF Comp

Table 3. Manufacturing: Washington State Compensable Claims. All Claims & Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010.

| | All Compensable Claims | Non-Traumatic Soft-Tissue Disorders (WMSDs) |
|---|------------------------|---|
| Total Compensable Claims (SF+SI) | 51,069 | 22,813 |
| % of ALL Compensable Claims | 100.0% | 44.7% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$1,049.4 | \$557.6 |
| State Fund Medical Costs (\$Millions) | \$393.9 | \$178.2 |
| Average # Claims per Year (SF+SI) | 5,674 | 2,535 |
| Percent Female (SF+SI) | 21.4% | 25.5% |
| Median Age(SF+SI) | 45 | 45 |
| Median BMI (SF) | 27.4 | 27.6 |
| Median Tenure Months (SF) | 29 | 29 |
| Claims Rate per 10,000 FTE (SF+SI) | 235.4 | 105.2 |
| SF Severity (TL days per 10,000 FTE) | 42,639.1 | 22,955.5 |
| SF Average TI Days per Claim | 217.5 | 271.7 |
| SF Median TI Days per Claim | 36 | 56 |
| SF Average Total Direct Costs per Claim | \$38,341 | \$45,987 |
| SF Median Total Direct Costs per Claim | \$8,587 | \$12,291 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.9% of SF Comp

**Tenure was available for 76.3% of SF Comp

Table 3. Trade: Washington State Compensable Claims. All Claims & Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010.

| | All Compensable Claims | Non-Traumatic Soft-Tissue Disorders (WMSDs) |
|---|------------------------|---|
| Total Compensable Claims (SF+SI) | 75,788 | 35,418 |
| % of ALL Compensable Claims | 100.0% | 46.7% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$1,204.4 | \$607.0 |
| State Fund Medical Costs (\$Millions) | \$680.1 | \$319.8 |
| Average # Claims per Year (SF+SI) | 8,421 | 3,935 |
| Percent Female (SF+SI) | 37.4% | 42.1% |
| Median Age(SF+SI) | 41 | 41 |
| Median BMI (SF) | 27.6 | 27.8 |
| Median Tenure Months (SF) | 29 | 29 |
| Claims Rate per 10,000 FTE (SF+SI) | 211.9 | 99 |
| SF Severity (TL days per 10,000 FTE) | 32,761.5 | 17,089.1 |
| SF Average TI Days per Claim | 215.5 | 250.2 |
| SF Median TI Days per Claim | 39 | 49 |
| SF Average Total Direct Costs per Claim | \$35,964 | \$40,002 |
| SF Median Total Direct Costs per Claim | \$8,251 | \$10,439 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.8% of SF Comp

**Tenure was available for 76.9% of SF Comp

Table 3. Utilities: Washington State Compensable Claims. All Claims & Non-Traumatic Musculoskeletal Disorders (WMSDs) of the Back, Upper Extremity & Knee, 2002-2010.

| | All Compensable Claims | Non-Traumatic Soft-Tissue Disorders (WMSDs) |
|---|------------------------|---|
| Total Compensable Claims (SF+SI) | 32,016 | 13,641 |
| % of ALL Compensable Claims | 100.0% | 42.6% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$634.2 | \$268.7 |
| State Fund Medical Costs (\$Millions) | \$302.7 | \$105.9 |
| Average # Claims per Year (SF+SI) | 3,557 | 1,516 |
| Percent Female (SF+SI) | 22.1% | 23.8% |
| Median Age(SF+SI) | 45 | 44 |
| Median BMI (SF) | 29 | 29 |
| Median Tenure Months (SF) | 29 | 29 |
| Claims Rate per 10,000 FTE (SF+SI) | 404.6 | 172.4 |
| SF Severity (TL days per 10,000 FTE) | 65,309.4 | 27,152.8 |
| SF Average TI Days per Claim | 212 | 213.7 |
| SF Median TI Days per Claim | 42 | 45 |
| SF Average Total Direct Costs per Claim | \$41,856 | \$39,552 |
| SF Median Total Direct Costs per Claim | \$8,863 | \$10,130 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 93.0% of SF Comp

**Tenure was available for 77.0% of SF Comp

Table 4. Washington State Workers Compensation Compensable Claims. Work-related Musculoskeletal Disorders (WMSDs) by Body Area, 2002 - 2010.

| | Shoulder | Elbow | Hand / Wrist | Back | Knee |
|---|----------|----------|--------------|-----------|----------|
| Total Compensable Claims (SF+SI) | 29,046 | 10,407 | 29,990 | 79,834 | 19,728 |
| % of ALL Compensable Claims | 7.1% | 2.5% | 7.3% | 19.5% | 4.8% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$869.7 | \$299.8 | \$633.9 | \$1,738.2 | \$416.7 |
| State Fund Medical Costs (\$Millions) | \$416.6 | \$174.5 | \$304.6 | \$868.4 | \$204.2 |
| Average # Claims per Year (SF+SI) | 3,227 | 1,156 | 3,332 | 8,870 | 2,192 |
| Percent Female (SF+SI) | 38.5% | 45.0% | 56.1% | 35.7% | 28.0% |
| Median Age(SF+SI) | 45 | 43 | 45 | 40 | 45 |
| Median BMI (SF) | 28 | 27.6 | 28.2 | 27.4 | 29 |
| Median Tenure Months (SF) | 29.3 | 29.3 | 29.8 | 28.5 | 30.3 |
| Claims Rate per 10,000 FTE (SF+SI) | 14.8 | 5.3 | 15.3 | 40.8 | 10.1 |
| SF Severity (TL days per 10,000 FTE) | 4,187.4 | 1,948.2 | 3,554.5 | 8,834.5 | 1,731.9 |
| SF Average TI Days per Claim | 354.7 | 354.2 | 281.4 | 263.3 | 226.3 |
| SF Median TI Days per Claim | 129 | 116 | 79 | 35 | 56 |
| SF Average Total Direct Costs per Claim | \$60,298 | \$53,589 | \$43,164 | \$44,220 | \$42,655 |
| SF Median Total Direct Costs per Claim | \$28,228 | \$18,083 | \$14,166 | \$6,032 | \$14,245 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.4% of SF Comp

**Tenure was available for 76.6% of SF Comp

Table 4. Agriculture: Washington State Workers Compensation Compensable Claims. Work-related Musculoskeletal Disorders (WMSDs) by Body Area, 2002 - 2010.

| | Shoulder | Elbow | Hand / Wrist | Back | Knee |
|---|----------|----------|--------------|----------|----------|
| Total Compensable Claims (SF+SI) | 576 | 202 | 501 | 1,580 | 443 |
| % of ALL Compensable Claims | 4.0% | 1.4% | 3.5% | 11.0% | 3.1% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$19.1 | \$5.7 | \$10.2 | \$45.4 | \$12.7 |
| State Fund Medical Costs (\$Millions) | \$10.6 | \$4.2 | \$5.8 | \$23.5 | \$6.4 |
| Average # Claims per Year (SF+SI) | 64 | 22 | 56 | 176 | 49 |
| Percent Female (SF+SI) | 23.3% | 39.6% | 37.3% | 16.5% | 12.0% |
| Median Age(SF+SI) | 45 | 41 | 41 | 39 | 41 |
| Median BMI (SF) | 27.5 | 27.4 | 28 | 27.5 | 28.2 |
| Median Tenure Months (SF) | 29.3 | 29.3 | 29.8 | 28.5 | 30.3 |
| Claims Rate per 10,000 FTE (SF+SI) | 10.9 | 3.8 | 9.4 | 29.8 | 8.3 |
| SF Severity (TL days per 10,000 FTE) | 3,228.2 | 1,495.7 | 2,258.0 | 8,115.7 | 2,054.6 |
| SF Average TI Days per Claim | 371.5 | 389.4 | 296.6 | 297.4 | 271.6 |
| SF Median TI Days per Claim | 151 | 130 | 92 | 46 | 85 |
| SF Average Total Direct Costs per Claim | \$59,225 | \$52,147 | \$39,974 | \$45,906 | \$47,007 |
| SF Median Total Direct Costs per Claim | \$29,915 | \$16,141 | \$13,458 | \$6,937 | \$15,754 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 78.0% of SF Comp

**Tenure was available for 78.6% of SF Comp

Table 4. Construction: Washington State Workers Compensation Compensable Claims. Work-related Musculoskeletal Disorders (WMSDs) by Body Area, 2002 - 2010.

| | Shoulder | Elbow | Hand / Wrist | Back | Knee |
|---|----------|----------|--------------|----------|----------|
| Total Compensable Claims (SF+SI) | 3,422 | 1,618 | 3,658 | 9,652 | 2,770 |
| % of ALL Compensable Claims | 6.1% | 2.9% | 6.5% | 17.3% | 5.0% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$199.7 | \$85.4 | \$167.2 | \$449.8 | \$111.8 |
| State Fund Medical Costs (\$Millions) | \$88.1 | \$48.3 | \$75.7 | \$195.3 | \$53.6 |
| Average # Claims per Year (SF+SI) | 380 | 180 | 406 | 1,072 | 308 |
| Percent Female (SF+SI) | 6.8% | 11.5% | 17.4% | 3.6% | 2.8% |
| Median Age(SF+SI) | 43 | 41 | 42 | 37 | 41 |
| Median BMI (SF) | 27.7 | 27.3 | 27.8 | 27 | 28.2 |
| Median Tenure Months (SF) | 29.3 | 29.3 | 29.8 | 28.5 | 30.3 |
| Claims Rate per 10,000 FTE (SF+SI) | 28.7 | 13.6 | 30.7 | 80.9 | 23.2 |
| SF Severity (TL days per 10,000 FTE) | 11,991.8 | 5,931.2 | 10,948.0 | 25,727.0 | 5,997.8 |
| SF Average TI Days per Claim | 494.4 | 479.2 | 392 | 373.9 | 319.3 |
| SF Median TI Days per Claim | 220 | 192 | 140 | 70 | 86 |
| SF Average Total Direct Costs per Claim | \$86,732 | \$84,165 | \$68,176 | \$68,020 | \$61,469 |
| SF Median Total Direct Costs per Claim | \$36,840 | \$26,166 | \$20,695 | \$8,630 | \$16,265 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 92.3% of SF Comp

**Tenure was available for 75.0% of SF Comp

Table 4. Services: Washington State Workers Compensation Compensable Claims. Work-related Musculoskeletal Disorders (WMSDs) by Body Area, 2002 - 2010.

| | Shoulder | Elbow | Hand / Wrist | Back | Knee |
|---|----------|----------|--------------|----------|----------|
| Total Compensable Claims (SF+SI) | 8,790 | 3,574 | 10,221 | 24,648 | 6,704 |
| % of ALL Compensable Claims | 6.5% | 2.7% | 7.6% | 18.3% | 5.0% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$225.7 | \$85.7 | \$182.6 | \$451.9 | \$115.7 |
| State Fund Medical Costs (\$Millions) | \$125.0 | \$53.7 | \$100.8 | \$256.4 | \$63.1 |
| Average # Claims per Year (SF+SI) | 977 | 397 | 1,136 | 2,739 | 745 |
| Percent Female (SF+SI) | 42.7% | 55.9% | 65.0% | 38.0% | 34.1% |
| Median Age(SF+SI) | 46 | 43 | 45 | 42 | 45 |
| Median BMI (SF) | 27.9 | 27.6 | 28.3 | 27.4 | 29 |
| Median Tenure Months (SF) | 29.3 | 29.3 | 29.8 | 28.5 | 30.3 |
| Claims Rate per 10,000 FTE (SF+SI) | 9.6 | 3.9 | 11.2 | 27 | 7.4 |
| SF Severity (TL days per 10,000 FTE) | 2,559.7 | 1,341.1 | 2,473.7 | 5,290.2 | 1,071.8 |
| SF Average TI Days per Claim | 327.3 | 329.8 | 252.1 | 236.3 | 199.1 |
| SF Median TI Days per Claim | 116 | 107 | 69 | 31 | 52 |
| SF Average Total Direct Costs per Claim | \$53,557 | \$45,353 | \$35,888 | \$38,376 | \$36,615 |
| SF Median Total Direct Costs per Claim | \$26,690 | \$17,227 | \$12,879 | \$5,598 | \$13,772 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.5% of SF Comp

**Tenure was available for 76.7% of SF Comp

Table 4. Healthcare: Washington State Workers Compensation Compensable Claims. Work-related Musculoskeletal Disorders (WMSDs) by Body Area, 2002 - 2010.

| | Shoulder | Elbow | Hand / Wrist | Back | Knee |
|---|----------|----------|--------------|----------|----------|
| Total Compensable Claims (SF+SI) | 3,748 | 1,033 | 3,577 | 12,471 | 1,830 |
| % of ALL Compensable Claims | 8.3% | 2.3% | 7.9% | 27.6% | 4.0% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$76.0 | \$25.2 | \$58.0 | \$172.8 | \$28.1 |
| State Fund Medical Costs (\$Millions) | \$41.3 | \$14.8 | \$28.2 | \$100.2 | \$16.0 |
| Average # Claims per Year (SF+SI) | 416 | 115 | 397 | 1,386 | 203 |
| Percent Female (SF+SI) | 81.4% | 85.5% | 90.0% | 80.4% | 75.1% |
| Median Age(SF+SI) | 45 | 44 | 46 | 41 | 47 |
| Median BMI (SF) | 28.3 | 27.6 | 28.3 | 28.3 | 30.8 |
| Median Tenure Months (SF) | 29.3 | 29.3 | 29.8 | 28.5 | 30.3 |
| Claims Rate per 10,000 FTE (SF+SI) | 17.4 | 4.8 | 16.6 | 57.9 | 8.5 |
| SF Severity (TL days per 10,000 FTE) | 4,237.6 | 1,638.9 | 3,090.3 | 10,355.8 | 1,423.4 |
| SF Average TI Days per Claim | 311.6 | 312.4 | 234.3 | 229.4 | 219.1 |
| SF Median TI Days per Claim | 96 | 101 | 61 | 34 | 52 |
| SF Average Total Direct Costs per Claim | \$46,525 | \$47,517 | \$37,000 | \$33,016 | \$35,783 |
| SF Median Total Direct Costs per Claim | \$21,002 | \$16,817 | \$12,714 | \$5,897 | \$14,022 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 93.3% of SF Comp

**Tenure was available for 77.7% of SF Comp

Table 4. Manufacturing: Washington State Workers Compensation Compensable Claims. Work-related Musculoskeletal Disorders (WMSDs) by Body Area, 2002 - 2010.

| | Shoulder | Elbow | Hand / Wrist | Back | Knee |
|---|----------|----------|--------------|----------|----------|
| Total Compensable Claims (SF+SI) | 4,145 | 1,414 | 4,752 | 8,292 | 2,591 |
| % of ALL Compensable Claims | 8.1% | 2.8% | 9.3% | 16.2% | 5.1% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$136.0 | \$39.0 | \$91.7 | \$206.3 | \$54.7 |
| State Fund Medical Costs (\$Millions) | \$46.3 | \$18.9 | \$33.7 | \$82.8 | \$14.9 |
| Average # Claims per Year (SF+SI) | 461 | 157 | 528 | 921 | 288 |
| Percent Female (SF+SI) | 24.2% | 33.5% | 41.4% | 17.0% | 14.2% |
| Median Age(SF+SI) | 47 | 44 | 46 | 42 | 47 |
| Median BMI (SF) | 28.1 | 27.4 | 27.5 | 27.4 | 29 |
| Median Tenure Months (SF) | 29.3 | 29.3 | 29.8 | 28.5 | 30.3 |
| Claims Rate per 10,000 FTE (SF+SI) | 19.1 | 6.5 | 21.9 | 38.2 | 11.9 |
| SF Severity (TL days per 10,000 FTE) | 5,751.6 | 2,773.8 | 5,113.6 | 10,616.2 | 1,544.1 |
| SF Average TI Days per Claim | 352.1 | 331.2 | 274.8 | 282 | 209.2 |
| SF Median TI Days per Claim | 123 | 97 | 77 | 35 | 49 |
| SF Average Total Direct Costs per Claim | \$62,550 | \$49,448 | \$40,152 | \$48,242 | \$41,173 |
| SF Median Total Direct Costs per Claim | \$29,821 | \$16,623 | \$13,741 | \$6,273 | \$14,008 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.9% of SF Comp

**Tenure was available for 76.3% of SF Comp

Table 4. Trade: Washington State Workers Compensation Compensable Claims. Work-related Musculoskeletal Disorders (WMSDs) by Body Area, 2002 - 2010.

| | Shoulder | Elbow | Hand / Wrist | Back | Knee |
|---|----------|----------|--------------|----------|----------|
| Total Compensable Claims (SF+SI) | 5,810 | 1,897 | 5,666 | 16,863 | 3,565 |
| % of ALL Compensable Claims | 7.7% | 2.5% | 7.5% | 22.3% | 4.7% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$143.4 | \$44.2 | \$92.1 | \$288.1 | \$56.9 |
| State Fund Medical Costs (\$Millions) | \$77.0 | \$27.2 | \$48.6 | \$158.8 | \$34.2 |
| Average # Claims per Year (SF+SI) | 646 | 211 | 630 | 1,874 | 396 |
| Percent Female (SF+SI) | 42.3% | 48.2% | 62.2% | 34.9% | 29.7% |
| Median Age(SF+SI) | 43 | 42 | 43 | 38 | 43 |
| Median BMI (SF) | 27.8 | 27.6 | 28.1 | 27.4 | 29.1 |
| Median Tenure Months (SF) | 29.3 | 29.3 | 29.8 | 28.5 | 30.3 |
| Claims Rate per 10,000 FTE (SF+SI) | 16.2 | 5.3 | 15.8 | 47.1 | 10 |
| SF Severity (TL days per 10,000 FTE) | 3,993.7 | 1,722.4 | 3,070.2 | 8,460.4 | 1,485.7 |
| SF Average TI Days per Claim | 335.3 | 341.2 | 278.9 | 244.1 | 200.8 |
| SF Median TI Days per Claim | 122 | 107 | 75 | 29 | 48 |
| SF Average Total Direct Costs per Claim | \$55,818 | \$46,724 | \$38,932 | \$39,366 | \$36,602 |
| SF Median Total Direct Costs per Claim | \$27,139 | \$16,438 | \$13,725 | \$5,394 | \$13,339 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.8% of SF Comp

**Tenure was available for 76.9% of SF Comp

Table 4. Utilities: Washington State Workers Compensation Compensable Claims. Work-related Musculoskeletal Disorders (WMSDs) by Body Area, 2002 - 2010.

| | Shoulder | Elbow | Hand / Wrist | Back | Knee |
|---|----------|----------|--------------|----------|----------|
| Total Compensable Claims (SF+SI) | 2,500 | 654 | 1,566 | 6,190 | 1,780 |
| % of ALL Compensable Claims | 7.8% | 2.0% | 4.9% | 19.3% | 5.6% |
| Combined SF+SI Indemnity Costs (\$Millions) | \$65.2 | \$14.2 | \$29.9 | \$116.5 | \$35.6 |
| State Fund Medical Costs (\$Millions) | \$27.0 | \$7.2 | \$11.3 | \$49.2 | \$15.4 |
| Average # Claims per Year (SF+SI) | 278 | 73 | 174 | 688 | 198 |
| Percent Female (SF+SI) | 21.7% | 23.5% | 40.4% | 19.3% | 17.6% |
| Median Age(SF+SI) | 46 | 44 | 46 | 42 | 47 |
| Median BMI (SF) | 29.3 | 29.3 | 29.8 | 28.5 | 30.3 |
| Median Tenure Months (SF) | 29.3 | 29.3 | 29.8 | 28.5 | 30.3 |
| Claims Rate per 10,000 FTE (SF+SI) | 31.6 | 8.3 | 19.8 | 78.2 | 22.5 |
| SF Severity (TL days per 10,000 FTE) | 6,817.5 | 1,972.8 | 3,305.9 | 12,929.3 | 3,219.5 |
| SF Average TI Days per Claim | 278.2 | 250.4 | 220.6 | 208.5 | 180.5 |
| SF Median TI Days per Claim | 104 | 76 | 59 | 27 | 47 |
| SF Average Total Direct Costs per Claim | \$52,316 | \$42,902 | \$39,049 | \$37,398 | \$37,230 |
| SF Median Total Direct Costs per Claim | \$26,088 | \$15,971 | \$13,670 | \$5,366 | \$13,613 |

SF: State Fund, SI: Self Insured

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 93.0% of SF Comp

**Tenure was available for 77.0% of SF Comp

Table 5. Washington State Compensable Claims. Examples of Selected ICD-9 Diagnoses of WMSDs, 2002-2010.

| | Rotator Cuff Syndrome | Epicondylitis | Hand Wrist Tendonitis | Carpal Tunnel Syndrome | Sciatica | Knee Bursitis |
|--|--------------------------|---------------|--------------------------|---------------------------|-----------|------------------|
| Total Compensable Claims (SF) | 12,121 | 3,071 | 6,582 | 12,462 | 4,538 | 483 |
| % of ALL Compensable Claims | 3.0% | 0.7% | 1.6% | 3.0% | 1.1% | 0.1% |
| Combined SF Indemnity Costs (\$Millions) | \$562.6 | \$108.0 | \$204.2 | \$400.5 | \$317.2 | \$16.6 |
| State Fund Medical Costs (\$Millions) | \$335.1 | \$61.2 | \$128.3 | \$216.5 | \$182.7 | \$10.3 |
| Average # Claims per Year (SF) | 1,347 | 341 | 731 | 1,385 | 504 | 54 |
| Percent Female (SF) | 35.0% | 44.1% | 62.0% | 57.5% | 32.4% | 19.0% |
| Median Age (SF) | 46 | 43 | 43 | 45 | 42 | 41 |
| Median BMI (SF) | 28.1 | 27.4 | 27.4 | 29 | 27.8 | 28.3 |
| Median Tenure Months (SF) | 29.4 | 28.2 | 29.2 | 30.1 | 28.5 | 28.7 |
| Claims Rate per 10,000 FTE (SF) | 6.2 | 1.6 | 3.4 | 6.4 | 2.3 | 0.2 |
| SF Severity (TL days per 10,000 FTE) | 3,373.5 | 769.5 | 1,456.6 | 2,653.6 | 1,836.4 | 97 |
| SF Average TI Days per Claim | 428.4 | 378 | 333 | 321.3 | 613.2 | 316 |
| SF Median TI Days per Claim | 192 | 129 | 95 | 100 | 303 | 60 |
| SF Average Total Direct Costs per Claim | \$74,061 | \$55,121 | \$50,553 | \$49,481 | \$110,113 | \$55,665 |
| SF Median Total Direct Costs per Claim | \$37,835 | \$19,484 | \$15,721 | \$17,536 | \$46,872 | \$12,424 |

SF: State Fund

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.4% of SF Comp

**Tenure was available for 76.6% of SF Comp

Table 5. Agriculture: Washington State Compensable Claims. Examples of Selected ICD-9 Diagnoses of WMSDs, 2002-2010.

| | Rotator Cuff Syndrome | Epicondylitis | Hand Wrist Tendonitis | Carpal Tunnel Syndrome | Sciatica | Knee Bursitis |
|--|--------------------------|---------------|--------------------------|---------------------------|-----------|------------------|
| Total Compensable Claims (SF) | 279 | 59 | 132 | 206 | 112 | 15 |
| % of ALL Compensable Claims | 1.9% | 0.4% | 0.9% | 1.4% | 0.8% | 0.1% |
| Combined SF Indemnity Costs (\$Millions) | \$12.7 | \$2.2 | \$2.9 | \$5.7 | \$7.5 | \$0.5 |
| State Fund Medical Costs (\$Millions) | \$8.1 | \$2.0 | \$2.3 | \$3.9 | \$4.2 | \$0.3 |
| Average # Claims per Year (SF) | 31 | 7 | 15 | 23 | 12 | 2 |
| Percent Female (SF) | 26.9% | 40.7% | 56.1% | 42.7% | 14.3% | 20.0% |
| Median Age (SF) | 47 | 43 | 39 | 44 | 42 | 40 |
| Median BMI (SF) | 28.1 | 27.9 | 27.1 | 29.1 | 28.3 | 29.7 |
| Median Tenure Months (SF) | 29.4 | 28.2 | 29.2 | 30.1 | 28.5 | 28.7 |
| Claims Rate per 10,000 FTE (SF) | 5.3 | 1.1 | 2.5 | 3.9 | 2.1 | 0.3 |
| SF Severity (TL days per 10,000 FTE) | 2,760.9 | 553.2 | 854.5 | 1,490.1 | 1,376.5 | 130.6 |
| SF Average TI Days per Claim | 479.1 | 421.8 | 304 | 338.4 | 599.6 | 398.4 |
| SF Median TI Days per Claim | 246 | 114 | 106 | 134 | 275 | 254 |
| SF Average Total Direct Costs per Claim | \$74,640 | \$70,264 | \$38,776 | \$46,810 | \$104,986 | \$53,768 |
| SF Median Total Direct Costs per Claim | \$43,024 | \$23,347 | \$13,356 | \$19,778 | \$41,038 | \$30,245 |

SF: State Fund

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 78.0% of SF Comp

**Tenure was available for 78.6% of SF Comp

Table 5. Construction: Washington State Compensable Claims. Examples of Selected ICD-9 Diagnoses of WMSDs, 2002-2010.

| | Rotator Cuff Syndrome | Epicondylitis | Hand Wrist Tendonitis | Carpal Tunnel Syndrome | Sciatica | Knee Bursitis |
|--|--------------------------|---------------|--------------------------|---------------------------|-----------|------------------|
| Total Compensable Claims (SF) | 2,256 | 602 | 938 | 2,499 | 880 | 170 |
| % of ALL Compensable Claims | 4.0% | 1.1% | 1.7% | 4.5% | 1.6% | 0.3% |
| Combined SF Indemnity Costs (\$Millions) | \$161.8 | \$31.6 | \$52.9 | \$131.1 | \$96.6 | \$6.6 |
| State Fund Medical Costs (\$Millions) | \$72.4 | \$13.3 | \$32.5 | \$49.3 | \$44.5 | \$2.9 |
| Average # Claims per Year (SF) | 251 | 67 | 104 | 278 | 98 | 19 |
| Percent Female (SF) | 7.0% | 11.3% | 20.8% | 20.5% | 3.9% | 1.8% |
| Median Age (SF) | 44 | 42 | 42 | 44 | 39 | 39 |
| Median BMI (SF) | 27.8 | 27.3 | 27.4 | 28.3 | 27.2 | 27.4 |
| Median Tenure Months (SF) | 29.4 | 28.2 | 29.2 | 30.1 | 28.5 | 28.7 |
| Claims Rate per 10,000 FTE (SF) | 18.9 | 5 | 7.9 | 21 | 7.4 | 1.4 |
| SF Severity (TL days per 10,000 FTE) | 9,731.0 | 2,309.4 | 3,492.1 | 8,568.0 | 5,585.0 | 414 |
| SF Average TI Days per Claim | 573.9 | 478.2 | 458.4 | 423.3 | 790.3 | 321.6 |
| SF Median TI Days per Claim | 301 | 214 | 169 | 168 | 507 | 45 |
| SF Average Total Direct Costs per Claim | \$104,062 | \$74,583 | \$91,072 | \$72,207 | \$160,305 | \$55,305 |
| SF Median Total Direct Costs per Claim | \$49,660 | \$28,249 | \$22,617 | \$24,380 | \$80,508 | \$9,647 |

SF: State Fund

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 92.3% of SF Comp

**Tenure was available for 75.0% of SF Comp

Table 5. Services: Washington State Compensable Claims. Examples of Selected ICD-9 Diagnoses of WMSDs, 2002-2010.

| | Rotator Cuff Syndrome | Epicondylitis | Hand Wrist Tendonitis | Carpal Tunnel Syndrome | Sciatica | Knee Bursitis |
|--|--------------------------|---------------|--------------------------|---------------------------|-----------|------------------|
| Total Compensable Claims (SF) | 3,680 | 1,067 | 2,623 | 4,563 | 1,408 | 121 |
| % of ALL Compensable Claims | 2.7% | 0.8% | 2.0% | 3.4% | 1.0% | 0.1% |
| Combined SF Indemnity Costs (\$Millions) | \$145.2 | \$31.7 | \$66.9 | \$117.7 | \$85.8 | \$3.2 |
| State Fund Medical Costs (\$Millions) | \$100.3 | \$20.3 | \$42.8 | \$75.2 | \$55.7 | \$2.3 |
| Average # Claims per Year (SF) | 409 | 119 | 291 | 507 | 156 | 13 |
| Percent Female (SF) | 45.0% | 57.4% | 73.3% | 73.1% | 40.8% | 35.5% |
| Median Age (SF) | 46 | 44 | 43 | 45 | 42 | 44 |
| Median BMI (SF) | 28.1 | 27.5 | 27.4 | 29.2 | 27.7 | 29.2 |
| Median Tenure Months (SF) | 29.4 | 28.2 | 29.2 | 30.1 | 28.5 | 28.7 |
| Claims Rate per 10,000 FTE (SF) | 4 | 1.2 | 2.9 | 5 | 1.5 | 0.1 |
| SF Severity (TL days per 10,000 FTE) | 2,055.7 | 536.4 | 1,109.0 | 1,843.9 | 1,145.6 | 47.3 |
| SF Average TI Days per Claim | 403.9 | 361.5 | 304.5 | 292.2 | 585.4 | 286.4 |
| SF Median TI Days per Claim | 175 | 118 | 90 | 90 | 270 | 46 |
| SF Average Total Direct Costs per Claim | \$66,727 | \$48,700 | \$41,798 | \$42,274 | \$100,477 | \$45,837 |
| SF Median Total Direct Costs per Claim | \$36,455 | \$18,723 | \$14,838 | \$16,009 | \$45,095 | \$13,259 |

SF: State Fund

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.5% of SF Comp

**Tenure was available for 76.7% of SF Comp

Table 5. Healthcare: Washington State Compensable Claims. Examples of Selected ICD-9 Diagnoses of WMSDs, 2002-2010.

| | Rotator Cuff Syndrome | Epicondylitis | Hand Wrist Tendonitis | Carpal Tunnel Syndrome | Sciatica | Knee Bursitis |
|--|--------------------------|---------------|--------------------------|---------------------------|----------|------------------|
| Total Compensable Claims (SF) | 1,288 | 269 | 765 | 1,218 | 579 | 23 |
| % of ALL Compensable Claims | 2.8% | 0.6% | 1.7% | 2.7% | 1.3% | 0.1% |
| Combined SF Indemnity Costs (\$Millions) | \$44.2 | \$8.3 | \$22.5 | \$33.2 | \$23.6 | \$0.9 |
| State Fund Medical Costs (\$Millions) | \$32.0 | \$5.1 | \$13.4 | \$19.7 | \$18.5 | \$0.9 |
| Average # Claims per Year (SF) | 143 | 30 | 85 | 135 | 64 | 3 |
| Percent Female (SF) | 83.3% | 88.5% | 93.3% | 93.8% | 83.9% | 69.6% |
| Median Age (SF) | 46 | 44 | 46 | 46 | 42 | 44 |
| Median BMI (SF) | 28.3 | 27.4 | 27.8 | 29 | 29.1 | 29.8 |
| Median Tenure Months (SF) | 29.4 | 28.2 | 29.2 | 30.1 | 28.5 | 28.7 |
| Claims Rate per 10,000 FTE (SF) | 6 | 1.2 | 3.6 | 5.7 | 2.7 | 0.1 |
| SF Severity (TL days per 10,000 FTE) | 3,262.7 | 611 | 1,592.6 | 2,138.2 | 1,882.2 | 63.9 |
| SF Average TI Days per Claim | 387.7 | 339.4 | 315.5 | 264.4 | 494.8 | 395.3 |
| SF Median TI Days per Claim | 157 | 107 | 85 | 77 | 234 | 117 |
| SF Average Total Direct Costs per Claim | \$59,172 | \$49,688 | \$47,059 | \$43,455 | \$72,800 | \$75,768 |
| SF Median Total Direct Costs per Claim | \$32,513 | \$15,622 | \$14,688 | \$15,110 | \$34,710 | \$29,338 |

SF: State Fund

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 93.3% of SF Comp

**Tenure was available for 77.7% of SF Comp

Table 5. Manufacturing: Washington State Compensable Claims. Examples of Selected ICD-9 Diagnoses of WMSDs, 2002-2010.

| | Rotator Cuff Syndrome | Epicondylitis | Hand Wrist Tendonitis | Carpal Tunnel Syndrome | Sciatica | Knee Bursitis |
|--|--------------------------|---------------|--------------------------|---------------------------|-----------|------------------|
| Total Compensable Claims (SF) | 1,299 | 361 | 803 | 1,415 | 394 | 37 |
| % of ALL Compensable Claims | 2.5% | 0.7% | 1.6% | 2.8% | 0.8% | 0.1% |
| Combined SF Indemnity Costs (\$Millions) | \$60.8 | \$12.2 | \$22.0 | \$41.5 | \$31.7 | \$2.3 |
| State Fund Medical Costs (\$Millions) | \$37.1 | \$7.1 | \$14.1 | \$25.2 | \$17.1 | \$1.5 |
| Average # Claims per Year (SF) | 144 | 40 | 89 | 157 | 44 | 4 |
| Percent Female (SF) | 25.2% | 36.8% | 51.8% | 46.0% | 11.4% | 2.7% |
| Median Age (SF) | 46 | 44 | 43 | 45 | 41 | 44 |
| Median BMI (SF) | 28.2 | 27.4 | 27.1 | 28.2 | 27.7 | 28.2 |
| Median Tenure Months (SF) | 29.4 | 28.2 | 29.2 | 30.1 | 28.5 | 28.7 |
| Claims Rate per 10,000 FTE (SF) | 6 | 1.7 | 3.7 | 6.5 | 1.8 | 0.2 |
| SF Severity (TL days per 10,000 FTE) | 4,616.8 | 1,125.7 | 2,207.2 | 3,881.3 | 2,255.1 | 121.4 |
| SF Average TI Days per Claim | 414.4 | 363.7 | 320.3 | 317.4 | 665.6 | 458.2 |
| SF Median TI Days per Claim | 174 | 116 | 88 | 97 | 322 | 63 |
| SF Average Total Direct Costs per Claim | \$75,357 | \$53,703 | \$45,001 | \$47,164 | \$123,959 | \$103,511 |
| SF Median Total Direct Costs per Claim | \$38,669 | \$19,335 | \$14,202 | \$17,160 | \$47,241 | \$9,340 |

SF: State Fund

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.9% of SF Comp

**Tenure was available for 76.3% of SF Comp

Table 5. Trade: Washington State Compensable Claims. Examples of Selected ICD-9 Diagnoses of WMSDs, 2002-2010.

| | Rotator Cuff Syndrome | Epicondylitis | Hand Wrist Tendonitis | Carpal Tunnel Syndrome | Sciatica | Knee Bursitis |
|--|--------------------------|---------------|--------------------------|---------------------------|-----------|------------------|
| Total Compensable Claims (SF) | 2,323 | 544 | 1,108 | 2,007 | 876 | 77 |
| % of ALL Compensable Claims | 3.1% | 0.7% | 1.5% | 2.6% | 1.2% | 0.1% |
| Combined SF Indemnity Costs (\$Millions) | \$92.8 | \$16.3 | \$31.0 | \$55.0 | \$56.1 | \$1.6 |
| State Fund Medical Costs (\$Millions) | \$61.9 | \$10.1 | \$20.1 | \$35.0 | \$33.5 | \$1.6 |
| Average # Claims per Year (SF) | 258 | 60 | 123 | 223 | 97 | 9 |
| Percent Female (SF) | 34.1% | 44.9% | 60.8% | 60.6% | 31.2% | 26.0% |
| Median Age (SF) | 46 | 43 | 43 | 45 | 42 | 42 |
| Median BMI (SF) | 28 | 27.8 | 27.3 | 29 | 27.7 | 28.5 |
| Median Tenure Months (SF) | 29.4 | 28.2 | 29.2 | 30.1 | 28.5 | 28.7 |
| Claims Rate per 10,000 FTE (SF) | 6.5 | 1.5 | 3.1 | 5.6 | 2.4 | 0.2 |
| SF Severity (TL days per 10,000 FTE) | 3,233.3 | 674.1 | 1,311.4 | 2,258.6 | 1,803.7 | 68.1 |
| SF Average TI Days per Claim | 397.4 | 350.4 | 335.2 | 319.5 | 585.3 | 255.2 |
| SF Median TI Days per Claim | 179 | 131 | 94 | 94 | 283 | 86 |
| SF Average Total Direct Costs per Claim | \$66,622 | \$48,477 | \$46,202 | \$44,856 | \$102,347 | \$41,627 |
| SF Median Total Direct Costs per Claim | \$35,704 | \$16,510 | \$15,022 | \$16,519 | \$45,157 | \$13,779 |

SF: State Fund

BMI=weight in kilograms/height in meters²

*Hgt / Wt were available for 91.8% of SF Comp

**Tenure was available for 76.9% of SF Comp

Table 6. Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|---------|-----------------|-----------------------|------------|-------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| All | 301 | 390,591 | 174,758 | \$3,239,309,960 | 68.5% | 25,571,019 | 89.5 | 13,093.5 | 6 | 1 | 1 | 1 |
| Health Care | 18 | 44,877 | 24,318 | \$295,010,362 | 87.7% | 2,711,623 | 108.4 | 12,084.8 | 3 | 4 | 1.2 | 0.9 |
| Transportation & Utilities | 30 | 15,579 | 13,590 | \$222,760,420 | 66.5% | 1,444,591 | 174.5 | 18,545.3 | 1 | 7 | 1.9 | 1.4 |
| Construction | 10 | 23,961 | 20,647 | \$865,469,054 | 49.2% | 6,255,288 | 172.3 | 52,212.7 | 2 | 6 | 1.9 | 4 |
| Trade | 46 | 71,445 | 35,306 | \$495,353,400 | 78.5% | 4,463,847 | 98.8 | 12,495.9 | 5 | 3 | 1.1 | 1 |
| Mfg. | 84 | 43,056 | 22,758 | \$458,644,122 | 71.0% | 2,422,019 | 105.7 | 11,250.5 | 4 | 5 | 1.2 | 0.9 |
| Svcs. | 95 | 181,060 | 54,797 | \$823,580,011 | 80.1% | 7,611,372 | 60.5 | 8,407.6 | 8 | 2 | 0.7 | 0.6 |
| Agriculture | 18 | 10,612 | 3,342 | \$78,492,591 | 71.1% | 662,279 | 63 | 12,481.4 | 7 | 8 | 0.7 | 1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Top 25: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (306 Industries Ranked) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over- | Over- | Over- | Overall | Over- |
|-----------|--|-----------------|--------|--------------------------|-----------------------|-----------|-------|---------------|-------|-------|-------|----------|-------|
| | | | | | | | | | all | all | all | Severity | |
| | | | | | | | | | Rate | Count | Rate | Rate | Rank |
| U | 4811 Scheduled Air Transportation | 1,494.5 | 2,385 | \$24,145 | 66.7% | 44,892 | 319.2 | 6,007.7 | 2 | 19 | 3.6 | 0.4 | 1 |
| C | 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,887.8 | 3,147 | \$136,256 | 56.6% | 958,719 | 217.9 | 66,397.3 | 11 | 11 | 2.4 | 4.9 | 2 |
| C | 2382 Bldg. Equip. Contractors | 5,697.9 | 5,563 | \$279,518 | 39.7% | 1,870,557 | 195.3 | 65,657.8 | 17 | 7 | 2.2 | 4.9 | 3 |
| U | 4921 Couriers & Express Delivery Svcs. | 1,286.7 | 1,746 | \$24,079 | 71.5% | 26,291 | 271.4 | 4,086.4 | 4 | 21 | 3 | 0.3 | 4 |
| H | 6231 Nursing Care Facilities | 2,842.0 | 3,035 | \$43,021 | 91.8% | 516,932 | 213.6 | 36,378.0 | 13 | 13 | 2.4 | 2.7 | 5 |
| H | 6221 General Medical & Surgical Hospitals | 12,520.6 | 10,302 | \$104,399 | 47.3% | 58,949 | 164.6 | 941.6 | 28 | 1 | 1.8 | 0.1 | 6 |
| C | 2383 Bldg. Finishing Contractors | 3,346.0 | 3,116 | \$145,799 | 46.1% | 1,022,542 | 186.3 | 61,120.7 | 18 | 12 | 2.1 | 4.6 | 7.5 |
| U | 4841 General Freight Trucking | 2,735.5 | 2,841 | \$80,943 | 47.7% | 481,324 | 207.7 | 35,191.1 | 14 | 16 | 2.3 | 2.6 | 7.5 |
| T | 4451 Grocery Stores | 6,804.5 | 5,676 | \$65,895 | 76.1% | 313,848 | 166.8 | 9,224.8 | 26 | 5 | 1.9 | 0.7 | 9.5 |
| C | 2361 Resid. Bldg. Construction | 3,835.3 | 3,296 | \$134,980 | 46.0% | 992,498 | 171.9 | 51,756.3 | 21 | 10 | 1.9 | 3.9 | 9.5 |
| T | 4521 Department Stores | 6,902.2 | 5,638 | \$38,555 | 100.9% | 39,791 | 163.4 | 1,153.0 | 30 | 6 | 1.8 | 0.1 | 11 |
| S | 9211 Exec., Legislative, & Other General Govt. Support | 13,113.1 | 10,247 | \$138,802 | 55.2% | 260,359 | 156.3 | 3,971.0 | 37 | 2 | 1.7 | 0.3 | 12.5 |
| S | 5621 Waste Collection | 775.4 | 1,031 | \$20,587 | 52.7% | 95,494 | 265.9 | 24,632.1 | 5 | 34 | 3 | 1.8 | 12.5 |
| U | 4842 Specialized Freight Trucking | 935.3 | 1,070 | \$26,197 | 61.9% | 229,919 | 228.8 | 49,165.2 | 8 | 33 | 2.6 | 3.7 | 14 |
| S | 5617 Svcs. to Bldgs. & Dwellings | 4,318.1 | 3,393 | \$68,914 | 76.0% | 729,288 | 157.2 | 33,778.1 | 34 | 9 | 1.8 | 2.5 | 15 |
| H | 6219 Other Ambulatory Health Care Svcs. | 755.1 | 896 | \$8,846 | 65.1% | 43,550 | 237.3 | 11,534.8 | 7 | 44 | 2.6 | 0.9 | 16 |
| H | 6233 Community Care Facilities for the Elderly | 2,019.4 | 1,642 | \$25,655 | 91.5% | 352,639 | 162.6 | 34,924.3 | 31 | 24 | 1.8 | 2.6 | 17.5 |
| C | 2389 Other Specialty Trade Contractors | 2,463.9 | 1,936 | \$85,407 | 48.5% | 614,122 | 157.1 | 49,848.7 | 35 | 20 | 1.8 | 3.7 | 17.5 |
| T | 4244 Grocery & Related Product Merchant Wholesalers | 5,031.5 | 3,598 | \$57,010 | 78.2% | 420,671 | 143 | 16,721.3 | 48 | 8 | 1.6 | 1.2 | 19 |
| H | 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975.3 | 953 | \$18,568 | 64.0% | 169,441 | 195.4 | 34,746.9 | 16 | 40.5 | 2.2 | 2.6 | 20 |
| T | 4441 Bldg. Material & Supplies Dealers | 3,806.0 | 2,662 | \$46,265 | 59.3% | 302,147 | 139.9 | 15,877.5 | 52 | 18 | 1.6 | 1.2 | 21.5 |
| T | 4529 Other General Merchandise Stores | 2,325.5 | 1,665 | \$18,957 | 87.2% | 84,056 | 143.2 | 7,228.9 | 47 | 23 | 1.6 | 0.5 | 21.5 |
| M | 3211 Sawmills & Wood Preservation | 851.3 | 722 | \$21,789 | 50.6% | 132,770 | 169.6 | 31,191.3 | 23 | 55 | 1.9 | 2.3 | 23 |
| M | 3221 Pulp, Paper, & Paperboard Mills | 1,322.8 | 965 | \$30,391 | 37.1% | 31,156 | 145.9 | 4,710.7 | 44 | 39 | 1.6 | 0.4 | 24.5 |
| U | 4852 Interurban & Rural Bus Transportation | 344.3 | 495 | \$10,317 | 43.4% | 45,508 | 287.5 | 26,431.5 | 3 | 80 | 3.2 | 2 | 24.5 |
| M | 3364 Aerospace Product & Parts Mfg. | 12,936.7 | 7,401 | \$187,267 | 66.6% | 73,233 | 114.4 | 1,132.2 | 84 | 3 | 1.3 | 0.1 | 30 |
| M | 3161 Leather & Hide Tanning & Finishing | 1.5 | 5 | \$169 | 72.6% | 2,244 | 677.4 | 304,011.5 | 1 | 293 | 7.6 | 22.7 | 137 |

Top 25 Industry Groups by Prevention Index & those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 6. Agriculture: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 14 Industries Ranked in sector. | 10,612 | 3,342 | \$78,492,591 | 71.1% | 662,279 | 63 | 1 | 12,481.4 | 0 | 0 | 7 | 8 | 0.7 | 1 |
| 1133 Logging | 1,934 | 1,013 | \$40,612,740 | 44.8% | 190,757 | 104.8 | 1.7 | 19,728.0 | 5 | 1 | 100 | 36 | 1.2 | 1.5 |
| 1123 Poultry & Egg Production | 108 | 95 | \$571,034 | 258.0% | 2,218 | 176 | 2.8 | 4,109.4 | 2 | 8 | 21 | 190 | 2 | 0.3 |
| 1114 Greenhouse, Nursery, & Floriculture Production | 505 | 208 | \$2,322,180 | 154.8% | 42,246 | 82.4 | 1.3 | 16,735.4 | 9 | 4 | 146 | 141 | 0.9 | 1.3 |
| 1151 Support Activities for Crop Production | 1,693 | 553 | \$7,146,083 | 110.9% | 103,941 | 65.3 | 1 | 12,282.2 | 11 | 3 | 182 | 71 | 0.7 | 0.9 |
| 1141 Fishing | 98 | 51 | \$734,544 | 85.0% | 11,407 | 103.6 | 1.6 | 23,173.0 | 6 | 10 | 103 | 229 | 1.2 | 1.8 |
| 1125 Aquaculture | 68 | 39 | \$638,750 | 96.7% | 7,780 | 114.3 | 1.8 | 22,791.7 | 4 | 12 | 83 | 246 | 1.3 | 1.7 |
| 1121 Cattle Ranching & Farming | 608 | 186 | \$3,668,369 | 88.1% | 43,542 | 61.2 | 1 | 14,318.9 | 12 | 5 | 190 | 152 | 0.7 | 1.1 |
| 1113 Fruit & Tree Nut Farming | 3,704 | 700 | \$9,265,028 | 99.0% | 128,433 | 37.8 | 0.6 | 6,934.5 | 17 | 2 | 245 | 56 | 0.4 | 0.5 |
| 1112 Vegetable & Melon Farming | 505 | 127 | \$5,039,038 | 50.0% | 39,063 | 50.3 | 0.8 | 15,471.3 | 14 | 7 | 209 | 170 | 0.6 | 1.2 |
| 1153 Support Activities for Forestry | 118 | 40 | \$1,951,917 | 40.2% | 18,294 | 67.7 | 1.1 | 30,945.3 | 10 | 11 | 173 | 244 | 0.8 | 2.4 |
| 1119 Other Crop Farming | 654 | 147 | \$2,664,280 | 72.7% | 25,623 | 45 | 0.7 | 7,840.3 | 15 | 6 | 222 | 166 | 0.5 | 0.6 |
| 1152 Support Activities for Animal Production | 83 | 36 | \$734,187 | 86.1% | 8,706 | 87.2 | 1.4 | 21,093.2 | 8 | 13 | 139 | 248 | 1 | 1.6 |
| 1111 Oilseed & Grain Farming | 356 | 90 | \$1,495,253 | 100.5% | 20,389 | 50.6 | 0.8 | 11,459.3 | 13 | 9 | 207 | 198 | 0.6 | 0.9 |
| 1129 Other Animal Production | 123 | 27 | \$817,950 | 63.2% | 11,076 | 43.9 | 0.7 | 17,996.5 | 16 | 14 | 225 | 259 | 0.5 | 1.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Construction: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Severity Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|-----------------|--------------------------|-----------|------|-------------------|------------------|--------------|---------------|-------|-------|-------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all | all | all | Severity Rate |
| 10 Industries Ranked in sector. | 23,961 | 20,647 | \$865,469,054 | 49.2% | 6,255,288 | 172 | 1 | 52,212.7 | 0 | 0 | 2 | 6 | 1.9 | 4 |
| 2382 Bldg. Equip. Contractors | 5,702 | 5,561 | \$252,849,792 | 43.8% | 1,823,608 | 195 | 1.1 | 63,965.1 | 2 | 1 | 17 | 7 | 2.2 | 4.9 |
| Contractors | 2,891 | 3,148 | \$122,256,397 | 62.3% | 936,046 | 218 | 1.3 | 64,754.6 | 1 | 3 | 12 | 11 | 2.4 | 4.9 |
| 2361 Resid. Bldg. Construction | 3,807 | 3,275 | \$119,533,596 | 51.3% | 967,055 | 172 | 1 | 50,807.1 | 4 | 2 | 22 | 10 | 1.9 | 3.9 |
| 2383 Bldg. Finishing Contractors | 3,345 | 3,123 | \$131,587,230 | 50.6% | 998,113 | 187 | 1.1 | 59,670.5 | 3 | 4 | 18 | 12 | 2.1 | 4.6 |
| 2389 Other Specialty Trade Contractors | 2,464 | 1,933 | \$75,281,102 | 54.2% | 598,273 | 157 | 0.9 | 48,566.0 | 5 | 5 | 37 | 20 | 1.8 | 3.7 |
| 2373 Highway, Street, & Bridge Construction | 1,129 | 876 | \$40,815,619 | 38.4% | 215,813 | 155 | 0.9 | 38,225.4 | 6 | 7 | 39 | 44 | 1.7 | 2.9 |
| 2362 Nonresidential Bldg. Construction | 2,487 | 1,549 | \$70,286,718 | 44.8% | 402,348 | 125 | 0.7 | 32,355.2 | 8 | 6 | 67 | 27 | 1.4 | 2.5 |
| 2371 Utility System Construction | 1,341 | 875 | \$40,595,156 | 41.3% | 246,968 | 131 | 0.8 | 36,821.4 | 7 | 8 | 62 | 45 | 1.5 | 2.8 |
| 2379 Other Heavy & Civil Engineering Construction | 471 | 232 | \$9,202,070 | 52.1% | 47,914 | 98.4 | 0.6 | 20,326.2 | 9 | 9 | 115 | 131 | 1.1 | 1.6 |
| 2372 Land Subdivision | 257 | 75 | \$3,061,374 | 36.8% | 19,150 | 58.3 | 0.3 | 14,886.3 | 10 | 10 | 200 | 206 | 0.7 | 1.1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index: (rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Services: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010. (1-28)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|--------|--------------------|--------------------------|-----------|-------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 83 Industries Ranked in sector. | 181,060 | 54,797 | \$823,580,011 | 80.1% | 7,611,372 | 60.5 | 1 | 8,407.6 | 0 | 0 | 8 | 2 | 0.7 | 0.6 |
| 9211 Exec., Legislative, & Other General Govt. Support | 11,855 | 10,440 | \$107,672,362 | 63.2% | 273,276 | 176.1 | 2.9 | 4,610.2 | 2 | 1 | 20 | 1 | 2 | 0.4 |
| 5617 Svcs. to Bldgs. & Dwellings | 4,320 | 3,382 | \$57,559,270 | 93.1% | 711,132 | 156.6 | 2.6 | 32,922.2 | 4 | 3 | 38 | 9 | 1.7 | 2.5 |
| 5621 Waste Collection | 810 | 1,051 | \$15,865,192 | 64.9% | 91,176 | 259.6 | 4.3 | 22,524.6 | 1 | 10 | 7 | 35 | 2.9 | 1.7 |
| 9221 Justice, Public Order, & Safety Activities | 1,623 | 1,174 | \$16,876,507 | 73.9% | 119,047 | 144.6 | 2.4 | 14,666.5 | 5 | 9 | 45 | 33 | 1.6 | 1.1 |
| 8111 Automotive Repair & Maintenance | 2,657 | 1,567 | \$49,932,214 | 59.1% | 452,945 | 118 | 1.9 | 34,099.3 | 11 | 7 | 78 | 25 | 1.3 | 2.6 |
| 5613 Employment Svcs. | 5,774 | 2,995 | \$36,672,974 | 100.0% | 539,359 | 103.7 | 1.7 | 18,681.1 | 15 | 4 | 102 | 14 | 1.2 | 1.4 |
| 7211 Traveler Accommodation | 3,201 | 1,550 | \$20,735,442 | 100.1% | 304,098 | 96.8 | 1.6 | 18,998.8 | 16 | 8 | 118 | 26 | 1.1 | 1.5 |
| 5311 Lessors of Real Estate | 1,577 | 847 | \$16,097,946 | 80.4% | 184,381 | 107.4 | 1.8 | 23,382.2 | 14 | 11 | 95 | 46 | 1.2 | 1.8 |
| 6111 Elementary & Secondary Schools | 17,500 | 6,346 | \$38,794,018 | 109.9% | 90,929 | 72.5 | 1.2 | 1,039.2 | 29 | 2 | 166 | 4 | 0.8 | 0.1 |
| 5629 Remediation & Other Waste Management Svcs. | 1,906 | 839 | \$20,947,082 | 49.5% | 65,208 | 88 | 1.5 | 6,842.7 | 20 | 12 | 136 | 47 | 1 | 0.5 |
| 8121 Personal Care Svcs. | 1,533 | 691 | \$11,687,742 | 102.9% | 200,669 | 90.1 | 1.5 | 26,173.6 | 19 | 16 | 133 | 58 | 1 | 2 |
| 7223 Special Food Svcs. | 1,127 | 522 | \$9,832,132 | 97.2% | 135,505 | 92.6 | 1.5 | 24,040.1 | 18 | 23 | 128 | 76 | 1 | 1.8 |
| 8113 Commercial & Industrial Machinery & Equip. (except Automotive & Electronic) Repair & Maintenance | 561 | 356 | \$8,906,755 | 56.2% | 66,877 | 127 | 2.1 | 23,850.9 | 9 | 34 | 64 | 106 | 1.4 | 1.8 |
| 8123 Drycleaning & Laundry Svcs. | 648 | 366 | \$5,768,507 | 91.7% | 65,721 | 113 | 1.9 | 20,290.5 | 12 | 32 | 84 | 103 | 1.3 | 1.5 |
| 5612 Facilities Support Svcs. | 894 | 432 | \$9,821,937 | 61.5% | 66,966 | 96.7 | 1.6 | 14,988.8 | 17 | 27 | 119 | 91.5 | 1.1 | 1.1 |
| 5313 Activities Related to Real Estate | 2,299 | 772 | \$17,848,282 | 74.4% | 201,632 | 67.2 | 1.1 | 17,538.8 | 32 | 13 | 175 | 49 | 0.8 | 1.3 |
| 8114 Personal & Household Goods Repair & Maintenance | 414 | 294 | \$9,859,432 | 55.7% | 85,724 | 141.9 | 2.3 | 41,367.4 | 6 | 40 | 50 | 122 | 1.6 | 3.2 |
| 7112 Spectator Sports | 265 | 215 | \$1,982,389 | 110.3% | 8,933 | 162.6 | 2.7 | 6,754.2 | 3 | 45 | 32 | 138 | 1.8 | 0.5 |
| 5611 Office Administrative Svcs. | 1,090 | 439 | \$7,095,264 | 87.6% | 87,943 | 80.5 | 1.3 | 16,135.0 | 23 | 26 | 148 | 90 | 0.9 | 1.2 |
| 5111 Newspaper, Periodical, Book, & Directory Publishers | 1,660 | 583 | \$6,072,431 | 80.3% | 47,832 | 70.2 | 1.2 | 5,762.0 | 30 | 21 | 167 | 66 | 0.8 | 0.4 |
| 7221 Full-Service Restaurants | 10,074 | 2,674 | \$36,970,946 | 100.2% | 542,598 | 53.1 | 0.9 | 10,772.1 | 45 | 6 | 204 | 17 | 0.6 | 0.8 |
| 7139 Other Amusement & Recreation Industries | 2,348 | 694 | \$9,011,255 | 110.5% | 127,016 | 59.1 | 1 | 10,821.2 | 40 | 15 | 197 | 57 | 0.7 | 0.8 |
| 5622 Waste Treatment & Disposal | 268 | 186 | \$5,058,715 | 59.2% | 35,270 | 139 | 2.3 | 26,364.6 | 7 | 50 | 55 | 152 | 1.6 | 2 |
| 7222 Limited-Service Eating Places | 14,477 | 2,916 | \$36,932,786 | 97.7% | 481,717 | 40.3 | 0.7 | 6,654.8 | 53 | 5 | 238 | 15 | 0.5 | 0.5 |
| 8129 Other Personal Svcs. | 1,809 | 566 | \$10,105,070 | 82.0% | 122,851 | 62.6 | 1 | 13,581.2 | 37 | 22 | 188 | 68 | 0.7 | 1 |
| 5614 Business Support Svcs. | 3,368 | 766 | \$19,101,802 | 73.4% | 221,400 | 45.5 | 0.8 | 13,147.9 | 48 | 14 | 221 | 50 | 0.5 | 1 |
| 8134 Civic & Social Organizations | 1,194 | 400 | \$5,478,159 | 108.3% | 83,789 | 67 | 1.1 | 14,038.8 | 33 | 30 | 176 | 98 | 0.7 | 1.1 |
| 5324 Commercial & Industrial Machinery & Equip. Rental & Leasing | 670 | 255 | \$5,664,465 | 72.9% | 49,426 | 76.1 | 1.3 | 14,754.5 | 25 | 41 | 156 | 125 | 0.9 | 1.1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Services: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010. (29-56)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as | | Rate | Severity Ratio | Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|--------|--------------------|-------------------------|-----------|-------|-------------------|-----------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | %AF | Lost Days | | | | | | | | | | |
| 83 Industries Ranked in sector. | 181,060 | 54,797 | \$823,580,011 | 80.1% | 7,611,372 | 60.5 | 1 | 8,407.6 | 0 | 0 | 8 | 2 | 0.7 | 0.6 | |
| 5619 Other Support Svcs. | 814 | 304 | \$5,123,576 | 84.2% | 59,136 | 74.7 | 1.2 | 14,537.1 | 27 | 39 | 161 | 120 | 0.8 | 1.1 | |
| 5323 General Rental Centers | 163 | 109 | \$2,457,580 | 70.8% | 31,055 | 133.8 | 2.2 | 38,112.0 | 8 | 61 | 60 | 181 | 1.5 | 2.9 | |
| 9231 Administration of Human Resource Programs | 1,508 | 407 | \$8,922,650 | 78.3% | 81,350 | 54 | 0.9 | 10,789.0 | 43 | 29 | 202 | 96 | 0.6 | 0.8 | |
| 5321 Automotive Equip. Rental & Leasing | 519 | 196 | \$3,487,255 | 74.9% | 40,842 | 75.6 | 1.2 | 15,743.9 | 26 | 49 | 158 | 147 | 0.8 | 1.2 | |
| 5419 Other Professional, Scientific, & Technical Svcs. | 2,370 | 492 | \$9,476,822 | 88.2% | 114,941 | 41.5 | 0.7 | 9,701.6 | 52 | 25 | 237 | 81 | 0.5 | 0.7 | |
| 8122 Death Care Svcs. | 371 | 154 | \$2,148,076 | 97.2% | 20,839 | 83.1 | 1.4 | 11,241.1 | 22 | 55 | 145 | 163 | 0.9 | 0.9 | |
| 7224 Drinking Places (Alcoholic Beverages) | 1,356 | 361 | \$5,642,738 | 120.6% | 110,102 | 53.3 | 0.9 | 16,243.60 | 44 | 33 | 203 | 105 | 0.6 | 1.2 | |
| 7121 Museums, Historical Sites, & Similar Institutions | 423 | 165 | \$1,850,873 | 113.9% | 23,253 | 78 | 1.3 | 10,994.6 | 24 | 54 | 150 | 158 | 0.9 | 0.8 | |
| 9241 Administration of Environmental Quality Programs | 1,032 | 305 | \$5,476,851 | 70.2% | 50,617 | 59.1 | 1 | 9,807.3 | 41 | 38 | 198 | 119 | 0.7 | 0.7 | |
| 8131 Religious Organizations | 2,762 | 506 | \$4,069,412 | 113.8% | 32,316 | 36.6 | 0.6 | 2,339.8 | 57 | 24 | 247 | 77 | 0.4 | 0.2 | |
| 5242 Agencies, Brokerages, & Other Insurance Related Activities | 3,644 | 611 | \$6,601,346 | 89.5% | 34,311 | 33.5 | 0.6 | 1,883.0 | 62 | 20 | 257 | 65 | 0.4 | 0.1 | |
| 8133 Social Advocacy Organizations | 657 | 203 | \$2,929,624 | 91.4% | 40,692 | 61.8 | 1 | 12,388.3 | 38 | 46.5 | 189 | 143 | 0.7 | 0.9 | |
| 5416 Management, Scientific, & Technical Consulting Svcs. | 4,204 | 635 | \$14,271,128 | 76.4% | 155,818 | 30.2 | 0.5 | 7,412.1 | 67 | 18 | 265 | 63 | 0.3 | 0.6 | |
| 5322 Consumer Goods Rental | 584 | 185 | \$3,797,475 | 78.1% | 39,725 | 63.3 | 1 | 13,594.7 | 36 | 51 | 186 | 154 | 0.7 | 1 | |
| 6113 Colleges, Universities, & Professional Schools | 4,293 | 642 | \$10,232,870 | 84.3% | 104,669 | 29.9 | 0.5 | 4,876.8 | 70 | 17 | 268 | 62 | 0.3 | 0.4 | |
| 5511 Management of Companies & Enterprises | 1,457 | 311 | \$3,293,464 | 109.3% | 32,781 | 42.7 | 0.7 | 4,501.2 | 50 | 37 | 232 | 118 | 0.5 | 0.3 | |
| 7213 Rooming & Boarding Houses | 102 | 56 | \$488,555 | 149.1% | 11,648 | 109.9 | 1.8 | 22,849.2 | 13 | 76 | 88 | 224 | 1.2 | 1.7 | |
| 9261 Administration of Economic Program | 944 | 233 | \$6,604,723 | 54.5% | 43,417 | 49.4 | 0.8 | 9,196.3 | 46 | 44 | 211 | 130 | 0.6 | 0.7 | |
| 5616 Investigation & Security Svcs. | 1,675 | 316 | \$4,891,774 | 90.6% | 53,803 | 37.7 | 0.6 | 6,425.4 | 56 | 35 | 246 | 116 | 0.4 | 0.5 | |
| 5412 Accounting, Tax Preparation, Bookkeeping, & Payroll Svcs. | 2,301 | 372 | \$7,277,630 | 79.3% | 88,924 | 32.3 | 0.5 | 7,730.8 | 63 | 31 | 259 | 101 | 0.4 | 0.6 | |
| 5413 Architectural, Engineering, & Related Svcs. | 5,302 | 629 | \$23,215,347 | 48.7% | 168,433 | 23.7 | 0.4 | 6,353.3 | 76 | 19 | 277 | 64 | 0.3 | 0.5 | |
| 8141 Private Households | 156 | 66 | \$2,531,401 | 66.4% | 26,413 | 84.5 | 1.4 | 33,804.3 | 21 | 74 | 143 | 216 | 0.9 | 2.6 | |
| 5152 Cable & Other Subscription Programming | 246 | 92 | \$3,687,414 | 47.6% | 29,558 | 74.7 | 1.2 | 23,989.5 | 28 | 68 | 162 | 195 | 0.8 | 1.8 | |
| 7113 Promoters of Performing Arts, Sports, & Similar Events | 244 | 85 | \$1,278,533 | 91.9% | 16,540 | 69.6 | 1.1 | 13,538.1 | 31 | 69 | 169 | 201 | 0.8 | 1 | |
| 8112 Electronic & Precision Equip. Repair & Maintenance | 231 | 76 | \$1,771,736 | 57.8% | 13,148 | 65.7 | 1.1 | 11,374.7 | 34 | 70 | 181 | 204 | 0.7 | 0.9 | |
| 6112 Junior Colleges | 1,122 | 201 | \$4,767,156 | 68.6% | 41,253 | 35.8 | 0.6 | 7,351.1 | 59 | 48 | 249 | 144 | 0.4 | 0.6 | |
| 5191 Other Information Svcs. | 686 | 146 | \$1,140,432 | 119.7% | 13,232 | 42.5 | 0.7 | 3,855.0 | 51 | 57 | 233 | 167 | 0.5 | 0.3 | |
| 7132 Gambling Industries | 431 | 106 | \$2,846,851 | 77.1% | 34,826 | 49.2 | 0.8 | 16,154.4 | 47 | 62 | 212 | 183 | 0.5 | 1.2 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Services: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010. (57-83)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Lost Days | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|--------|--------------------|---------------|-----------|-----------|------|------------------|---------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | Aid as %AF | Rate | | | | | | | | | | |
| 83 Industries Ranked in sector. | 181,060 | 54,797 | \$823,580,011 | 80.1% | 7,611,372 | 60.5 | 1 | 8,407.6 | 0 | 0 | 8 | 2 | 0.7 | 0.6 | |
| 7212 RV (Recreational Vehicle) Parks & Recreational Camps | 191 | 61 | \$885,488 | 91.1% | 13,168 | 64 | 1.1 | 13,821.4 | 35 | 75 | 184 | 221 | 0.7 | 1.1 | |
| 7111 Performing Arts Companies | 220 | 67 | \$1,427,302 | 92.5% | 16,642 | 60.8 | 1 | 15,103.3 | 39 | 73 | 192 | 213 | 0.7 | 1.2 | |
| 5171 Wired Telecommunications Carriers | 452 | 100 | \$2,573,256 | 57.1% | 10,000 | 44.2 | 0.7 | 4,421.9 | 49 | 64 | 223 | 186 | 0.5 | 0.3 | |
| 5221 Depository Credit Intermediation | 5,816 | 428 | \$5,721,076 | 76.2% | 53,357 | 14.7 | 0.2 | 1,834.9 | 86 | 28 | 291 | 93.5 | 0.2 | 0.1 | |
| 5414 Specialized Design Svcs. | 481 | 96 | \$2,746,380 | 53.5% | 27,606 | 39.9 | 0.7 | 11,485.9 | 55 | 65 | 240 | 189 | 0.4 | 0.9 | |
| 5241 Insurance Carriers | 2,757 | 253 | \$5,909,559 | 55.0% | 49,387 | 18.4 | 0.3 | 3,583.1 | 80 | 42 | 283 | 126 | 0.2 | 0.3 | |
| 5312 Offices of Real Estate Agents & Brokers | 4,260 | 313 | \$8,406,994 | 72.7% | 84,092 | 14.7 | 0.2 | 3,948.2 | 87 | 36 | 292 | 117 | 0.2 | 0.3 | |
| 5172 Wireless Telecommunications Carriers (except Satellite) | 1,801 | 203 | \$2,963,385 | 155.1% | 345 | 22.5 | 0.4 | 38.3 | 77 | 46.5 | 278 | 143 | 0.3 | 0 | |
| 8139 Business, Professional, Labor, Political, & Similar Organizations | 1,163 | 170 | \$3,617,368 | 76.2% | 37,612 | 29.2 | 0.5 | 6,470.6 | 71 | 53 | 269 | 157 | 0.3 | 0.5 | |
| 5411 Legal Svcs. | 3,124 | 234 | \$3,987,020 | 92.2% | 43,158 | 15 | 0.2 | 2,762.9 | 85 | 43 | 290 | 129 | 0.2 | 0.2 | |
| 5418 Advertising, Public Relations, & Related Svcs. | 865 | 116 | \$1,771,382 | 85.3% | 19,193 | 26.8 | 0.4 | 4,437.9 | 72 | 60 | 271 | 176 | 0.3 | 0.3 | |
| 6115 Technical & Trade Schools | 625 | 94 | \$2,491,870 | 64.6% | 21,335 | 30.1 | 0.5 | 6,827.6 | 68 | 66 | 266 | 192 | 0.3 | 0.5 | |
| 5182 Data Processing, Hosting, & Related Svcs. | 1,694 | 150 | \$3,085,303 | 72.5% | 17,310 | 17.7 | 0.3 | 2,044.0 | 81 | 56 | 284 | 164 | 0.2 | 0.2 | |
| 5417 Scientific Research & Development Svcs. | 1,764 | 142 | \$2,934,739 | 79.4% | 30,046 | 16.1 | 0.3 | 3,406.0 | 82 | 58 | 285 | 168 | 0.2 | 0.3 | |
| 5211 Monetary Authorities-Central Bank | 334 | 53 | \$324,948 | 170.6% | 1,109 | 31.7 | 0.5 | 664.3 | 64 | 78 | 261 | 228 | 0.4 | 0.1 | |
| 5615 Travel Arrangement & Reservation Svcs. | 1,006 | 103 | \$2,862,542 | 47.2% | 19,311 | 20.5 | 0.3 | 3,838.0 | 79 | 63 | 281 | 185 | 0.2 | 0.3 | |
| 6116 Other Schools & Instruction | 520 | 69 | \$1,041,151 | 110.2% | 12,685 | 26.5 | 0.4 | 4,875.6 | 73 | 71 | 273 | 209 | 0.3 | 0.4 | |
| 5415 Computer Systems Design & Related Svcs. | 3,973 | 183 | \$5,998,438 | 46.5% | 42,741 | 9.2 | 0.2 | 2,151.8 | 93 | 52 | 299 | 155 | 0.1 | 0.2 | |
| 5251 Insurance & Employee Benefit Funds | 260 | 40 | \$836,040 | 71.0% | 8,761 | 30.8 | 0.5 | 6,737.1 | 65 | 81 | 262 | 244 | 0.3 | 0.5 | |
| 8132 Grantmaking & Giving Svcs. | 327 | 49 | \$1,084,907 | 91.1% | 15,312 | 30 | 0.5 | 9,372.4 | 69 | 79 | 267 | 232 | 0.3 | 0.7 | |
| 5121 Motion Picture & Video Industries | 455 | 54 | \$1,019,751 | 79.0% | 10,464 | 23.7 | 0.4 | 4,601.3 | 75 | 77 | 276 | 227 | 0.3 | 0.4 | |
| 5112 Software Publishers | 6,233 | 127 | \$3,277,134 | 25.5% | 5,994 | 4.1 | 0.1 | 192.3 | 95 | 59 | 301 | 170 | 0 | 0 | |
| 5222 Nondepository Credit Intermediation | 1,356 | 93 | \$2,096,404 | 76.7% | 22,706 | 13.7 | 0.2 | 3,347.9 | 89 | 67 | 294 | 194 | 0.2 | 0.3 | |
| 5223 Activities Related to Credit Intermediation | 957 | 68 | \$1,495,898 | 86.4% | 19,523 | 14.2 | 0.2 | 4,081.4 | 88 | 72 | 293 | 211 | 0.2 | 0.3 | |
| 6117 Educational Support Svcs. | 319 | 33 | \$333,260 | 140.3% | 5,503 | 20.7 | 0.3 | 3,448.1 | 78 | 82 | 280 | 251 | 0.2 | 0.3 | |
| 5151 Radio & Television Broadcasting | 558 | 42 | \$270,598 | 166.2% | 2,581 | 15 | 0.2 | 924.8 | 84 | 80 | 289 | 241 | 0.2 | 0.1 | |
| 5231 Securities & Commodity Contracts Intermediation & Brokerage | 597 | 32 | \$1,285,881 | 50.9% | 11,507 | 10.7 | 0.2 | 3,851.9 | 91 | 83 | 297 | 253 | 0.1 | 0.3 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Healthcare: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|-----------------|--------------------------|-----------|-------|---------------|------------------|--------------|---------------|---------------------|----------------------|----------------------|---------------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate Rank | all Count Rank | all Rate Ratio | Severity Rate Ratio |
| 17 Industries Ranked in sector. | 44,877 | 24,318 | \$295,010,362 | 87.7% | 2,711,623 | 108.4 | 1 | 12,084.8 | 0 | 0 | 3 | 4 | 1.2 | 0.9 |
| 6221 General Medical & Surgical Hospitals | 12,521 | 10,304 | \$78,049,728 | 57.8% | 57,703 | 164.6 | 1.5 | 921.7 | 3 | 1 | 29 | 2 | 1.8 | 0.1 |
| 6231 Nursing Care Facilities | 2,829 | 3,011 | \$32,915,617 | 118.1% | 503,198 | 212.8 | 2 | 35,569.4 | 2 | 2 | 14 | 13 | 2.4 | 2.7 |
| 6233 Community Care Facilities for the Elderly | 2,019 | 1,632 | \$21,220,230 | 109.3% | 344,735 | 161.7 | 1.5 | 34,154.7 | 4 | 4 | 33 | 24 | 1.8 | 2.6 |
| 6219 Other Ambulatory Health Care Svcs. | 762 | 902 | \$7,033,595 | 78.4% | 43,338 | 236.6 | 2.2 | 11,367.3 | 1 | 7 | 8 | 43 | 2.6 | 0.9 |
| 6243 Vocational Rehabilitation Svcs. | 3,434 | 1,704 | \$30,862,418 | 71.5% | 304,245 | 99.2 | 0.9 | 17,719.3 | 6 | 3 | 113 | 22 | 1.1 | 1.4 |
| 6239 Other Resid. Care Facilities | 1,009 | 720 | \$10,030,232 | 98.2% | 161,574 | 142.7 | 1.3 | 32,014.2 | 5 | 9 | 49 | 53 | 1.6 | 2.4 |
| 6211 Offices of Physicians | 6,040 | 1,438 | \$20,919,010 | 86.7% | 157,406 | 47.6 | 0.4 | 5,211.7 | 12 | 5 | 213 | 29 | 0.5 | 0.4 |
| 6216 Home Health Care Svcs. | 3,322 | 1,249 | \$23,878,191 | 90.1% | 354,174 | 75.2 | 0.7 | 21,323.0 | 11 | 6 | 159 | 32 | 0.8 | 1.6 |
| 6241 Individual & Family Svcs. | 1,919 | 739 | \$12,561,463 | 96.0% | 188,882 | 77 | 0.7 | 19,684.0 | 10 | 8 | 153 | 52 | 0.9 | 1.5 |
| 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 521 | 224 | \$3,865,386 | 82.5% | 47,318 | 85.9 | 0.8 | 18,149.8 | 9 | 14 | 142 | 135 | 1 | 1.4 |
| 6223 Specialty (except Psychiatric & Substance Abuse) Hospitals | 266 | 115 | \$3,208,010 | 64.8% | 28,559 | 86.5 | 0.8 | 21,492.4 | 8 | 16 | 140 | 177 | 1 | 1.6 |
| 6244 Child Day Care Svcs. | 2,050 | 480 | \$5,905,056 | 108.2% | 92,048 | 46.8 | 0.4 | 8,981.9 | 14 | 12 | 218 | 84 | 0.5 | 0.7 |
| 6214 Outpatient Care Centers | 2,478 | 539 | \$9,033,890 | 88.6% | 99,201 | 43.5 | 0.4 | 8,006.6 | 16 | 10 | 227 | 72 | 0.5 | 0.6 |
| 6213 Offices of Other Health Practitioners | 2,033 | 478 | \$10,479,120 | 76.4% | 117,302 | 47 | 0.4 | 11,541.8 | 13 | 13 | 217 | 85 | 0.5 | 0.9 |
| 6212 Offices of Dentists | 2,564 | 535 | \$20,335,387 | 48.6% | 163,002 | 41.7 | 0.4 | 12,716.1 | 18 | 11 | 235 | 73 | 0.5 | 1 |
| 6242 Community Food & Housing, & Emergency & Other Relief Svcs. | 375 | 87 | \$1,190,309 | 109.1% | 16,939 | 46.4 | 0.4 | 9,025.7 | 15 | 17 | 220 | 199 | 0.5 | 0.7 |
| 6215 Medical & Diagnostic Laboratories | 719 | 154 | \$3,511,613 | 72.8% | 31,659 | 42.8 | 0.4 | 8,805.3 | 17 | 15 | 231 | 163 | 0.5 | 0.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Manufacturing: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010. (1-23)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate | |
|---|--------------------|--------|--------------------|--------------------------|-----------|-------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|-----|
| | | | | Medical Aid as %AF | | | | | | | | | | |
| 68 Industries Ranked in sector. | 43,056 | 22,758 | \$458,644,122 | 71.0% | 2,422,019 | 105.7 | 1 | 11,250.5 | 0 | 0 | 4 | 5 | 1.2 | 0.9 |
| 3211 Sawmills & Wood Preservation | 849 | 717 | \$18,079,197 | 59.7% | 128,103 | 168.9 | 1.6 | 30,177.3 | 4 | 5 | 25 | 54 | 1.9 | 2.3 |
| 3221 Pulp, Paper, & Paperboard Mills | 1,323 | 965 | \$26,435,652 | 40.2% | 29,981 | 145.9 | 1.4 | 4,533.0 | 12 | 3 | 44 | 39.5 | 1.6 | 0.3 |
| 3121 Beverage Mfg. | 895 | 710 | \$8,290,263 | 91.3% | 56,590 | 158.7 | 1.5 | 12,652.3 | 9 | 6 | 35 | 55 | 1.8 | 1 |
| 3219 Other Wood Product Mfg. | 1,386 | 982 | \$22,509,630 | 67.6% | 184,320 | 141.7 | 1.3 | 26,588.5 | 14 | 2 | 51 | 38 | 1.6 | 2 |
| 3116 Animal Slaughtering & Processing | 954 | 667 | \$7,507,166 | 116.5% | 59,976 | 139.8 | 1.3 | 12,567.7 | 15 | 8 | 53 | 61 | 1.6 | 1 |
| 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 868 | 581 | \$9,893,990 | 103.8% | 134,085 | 133.9 | 1.3 | 30,910.2 | 19 | 9 | 59 | 67 | 1.5 | 2.4 |
| 3115 Dairy Product Mfg. | 180 | 198 | \$2,352,710 | 47.9% | 11,374 | 220.4 | 2.1 | 12,660.9 | 3 | 26 | 11 | 145 | 2.5 | 1 |
| 3323 Architectural & Structural Metals Mfg. | 1,116 | 686 | \$15,157,225 | 69.3% | 134,089 | 123 | 1.2 | 24,033.8 | 23 | 7 | 70 | 59 | 1.4 | 1.8 |
| 3364 Aerospace Product & Parts Mfg. | 12,936 | 7,401 | \$146,454,156 | 76.7% | 72,004 | 114.4 | 1.1 | 1,113.2 | 31 | 1 | 82 | 3 | 1.3 | 0.1 |
| 3315 Foundries | 442 | 318 | \$7,708,084 | 80.8% | 72,300 | 143.9 | 1.4 | 32,718.1 | 13 | 19 | 46 | 114 | 1.6 | 2.5 |
| 3222 Converted Paper Product Mfg. | 503 | 348 | \$7,125,325 | 52.4% | 52,939 | 138.3 | 1.3 | 21,038.3 | 18 | 14 | 58 | 107 | 1.5 | 1.6 |
| 3118 Bakeries & Tortilla Mfg. | 755 | 481 | \$8,669,711 | 109.3% | 58,056 | 127.5 | 1.2 | 15,387.1 | 21 | 12 | 63 | 83 | 1.4 | 1.2 |
| 3212 Veneer, Plywood, & Engineered Wood Product Mfg. | 486 | 336 | \$7,028,007 | 72.4% | 66,175 | 138.4 | 1.3 | 27,248.4 | 17 | 17 | 57 | 110 | 1.5 | 2.1 |
| 3261 Plastics Product Mfg. | 937 | 560 | \$11,127,584 | 68.4% | 104,310 | 119.5 | 1.1 | 22,267.2 | 25 | 10 | 72 | 70 | 1.3 | 1.7 |
| 3351 Electric Lighting Equip. Mfg. | 138 | 116 | \$1,706,934 | 63.6% | 8,868 | 168.2 | 1.6 | 12,856.8 | 5 | 33 | 26 | 176 | 1.9 | 1 |
| 3273 Cement & Concrete Product Mfg. | 797 | 475 | \$9,664,255 | 62.8% | 60,799 | 119.2 | 1.1 | 15,253.0 | 26 | 13 | 73 | 86 | 1.3 | 1.2 |
| 3366 Ship & Boat Bldg. | 511 | 323 | \$7,158,411 | 59.7% | 59,063 | 126.4 | 1.2 | 23,120.6 | 22 | 18 | 65 | 113 | 1.4 | 1.8 |
| 3313 Alumina & Aluminum Production & Processing | 358 | 239 | \$6,808,712 | 64.0% | 10,060 | 133.5 | 1.3 | 5,619.1 | 20 | 21 | 61 | 127 | 1.5 | 0.4 |
| 3114 Fruit & Vegetable Preserving & Specialty Food Mfg. | 1,733 | 912 | \$11,462,173 | 77.6% | 54,104 | 105.3 | 1 | 6,244.1 | 38 | 4 | 98 | 42 | 1.2 | 0.5 |
| 3362 Motor Vehicle Body & Trailer Mfg. | 159 | 119 | \$2,635,563 | 64.5% | 22,285 | 150.1 | 1.4 | 28,109.0 | 11 | 32 | 42 | 173 | 1.7 | 2.1 |
| 3372 Office Furniture (including Fixtures) Mfg. | 267 | 185 | \$6,482,290 | 54.9% | 46,869 | 138.8 | 1.3 | 35,152.1 | 16 | 29 | 56 | 154 | 1.6 | 2.7 |
| 3117 Seafood Product Preparation & Packaging | 565 | 316 | \$7,494,334 | 61.7% | 73,762 | 111.9 | 1.1 | 26,123.4 | 33 | 20 | 86 | 116 | 1.3 | 2 |
| 3113 Sugar & Confectionery Product Mfg. | 109 | 84 | \$1,915,776 | 95.6% | 26,765 | 153.8 | 1.5 | 48,990.3 | 10 | 43 | 41 | 202 | 1.7 | 3.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Manufacturing: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010. (24-46)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|--------------------|--------------------------|-----------|-------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 68 Industries Ranked in sector. | 43,056 | 22,758 | \$458,644,122 | 71.0% | 2,422,019 | 105.7 | 1 | 11,250.5 | 0 | 0 | 4 | 5 | 1.2 | 0.9 |
| 3272 Glass & Glass Product Mfg. | 391 | 213 | \$4,153,731 | 84.7% | 29,159 | 109 | 1 | 14,917.1 | 35 | 25 | 90 | 139 | 1.2 | 1.1 |
| 3279 Other Nonmetallic Mineral Product Mfg. | 170 | 104 | \$2,086,648 | 61.0% | 17,553 | 122.1 | 1.2 | 20,610.0 | 24 | 36 | 71 | 184 | 1.4 | 1.6 |
| 3324 Boiler, Tank, & Shipping Container Mfg. | 192 | 113 | \$3,833,774 | 66.8% | 24,116 | 118 | 1.1 | 25,184.7 | 29 | 34 | 77 | 179 | 1.3 | 1.9 |
| 3365 Railroad Rolling Stock Mfg. | 31 | 34 | \$2,182,748 | 35.7% | 12,362 | 221 | 2.1 | 80,354.9 | 2 | 61 | 10 | 249 | 2.5 | 6.1 |
| 3339 Other General Purpose Machinery Mfg. | 1,104 | 499 | \$7,137,477 | 63.8% | 26,553 | 90.4 | 0.9 | 4,810.2 | 52 | 11 | 132 | 79 | 1 | 0.4 |
| 3119 Other Food Mfg. | 441 | 227 | \$3,464,700 | 88.7% | 18,912 | 102.9 | 1 | 8,572.7 | 41 | 22.5 | 104 | 133 | 1.1 | 0.7 |
| 3334 Ventilation, Heating, Air-Conditioning, & Commercial Refrigeration Equip. Mfg. | 188 | 108 | \$3,823,554 | 49.9% | 25,135 | 114.9 | 1.1 | 26,731.9 | 30 | 35 | 81 | 182 | 1.3 | 2 |
| 3329 Other Fabricated Metal Product Mfg. | 456 | 227 | \$6,378,431 | 67.9% | 53,192 | 99.6 | 0.9 | 23,329.6 | 45 | 22.5 | 110 | 133 | 1.1 | 1.8 |
| 3312 Steel Product Mfg. from Purchased Steel | 40 | 32 | \$1,346,571 | 68.6% | 12,503 | 160.1 | 1.5 | 62,568.4 | 8 | 63.5 | 34 | 253 | 1.8 | 4.8 |
| 3132 Fabric Mills | 37 | 30 | \$1,548,997 | 31.6% | 9,152 | 164.3 | 1.6 | 50,115.7 | 7 | 66 | 30 | 256 | 1.8 | 3.8 |
| 3149 Other Textile Product Mills | 178 | 96 | \$1,299,523 | 78.3% | 15,862 | 107.9 | 1 | 17,823.0 | 36 | 38 | 92 | 189 | 1.2 | 1.4 |
| 3169 Other Leather & Allied Product Mfg. | 33 | 27 | \$244,009 | 150.6% | 4,878 | 164.8 | 1.6 | 29,770.9 | 6 | 68 | 28 | 259 | 1.8 | 2.3 |
| 3231 Printing & Related Support Activities | 1,003 | 347 | \$7,591,990 | 79.1% | 86,348 | 69.2 | 0.7 | 17,215.7 | 60 | 15.5 | 170 | 109 | 0.8 | 1.3 |
| 3328 Coating, Engraving, Heat Treating, & Allied Activities | 178 | 94 | \$1,762,349 | 93.4% | 22,212 | 105.7 | 1 | 24,976.6 | 37 | 39 | 97 | 192 | 1.2 | 1.9 |
| 3399 Other Miscellaneous Mfg. | 1,031 | 347 | \$8,691,689 | 74.6% | 93,108 | 67.3 | 0.6 | 18,054.9 | 62 | 15.5 | 174 | 109 | 0.8 | 1.4 |
| 3327 Machine Shops; Turned Product; & Screw, Nut, & Bolt Mfg. | 409 | 191 | \$3,927,992 | 78.6% | 40,652 | 93.4 | 0.9 | 19,878.4 | 51 | 28 | 127 | 149 | 1 | 1.5 |
| 3332 Industrial Machinery Mfg. | 442 | 194 | \$6,342,689 | 51.8% | 42,936 | 87.8 | 0.8 | 19,439.3 | 53 | 27 | 137 | 148 | 1 | 1.5 |
| 3379 Other Furniture Related Product Mfg. | 100 | 56 | \$1,183,337 | 120.8% | 18,648 | 112 | 1.1 | 37,309.1 | 32 | 51 | 85 | 224 | 1.3 | 2.8 |
| 3326 Spring & Wire Product Mfg. | 82 | 45 | \$1,013,482 | 76.5% | 8,982 | 109.7 | 1 | 21,900.9 | 34 | 55.5 | 89 | 237 | 1.2 | 1.7 |
| 3159 Apparel Accessories & Other Apparel Mfg. | 54 | 32 | \$1,107,495 | 51.3% | 11,175 | 118.9 | 1.1 | 41,533.4 | 27 | 63.5 | 74 | 253 | 1.3 | 3.2 |
| 3255 Paint, Coating, & Adhesive Mfg. | 95 | 50 | \$848,544 | 105.4% | 10,985 | 104.8 | 1 | 23,018.0 | 39 | 53.5 | 99 | 231 | 1.2 | 1.8 |
| 3314 Nonferrous Metal (except Aluminum) Production & Processing | 95 | 50 | \$310,702 | 209.6% | 419 | 104.7 | 1 | 877.7 | 40 | 53.5 | 101 | 231 | 1.2 | 0.1 |
| 3252 Resin, Synthetic Rubber, & Artificial Synthetic Fibers & Filaments Mfg. | 151 | 72 | \$1,719,386 | 67.0% | 15,628 | 95.2 | 0.9 | 20,674.1 | 47 | 47 | 121 | 208 | 1.1 | 1.6 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Manufacturing: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010. (47-68)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as | | | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|--------|--------------------|-------------------------|-----------|-------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | %AF | Lost Days | Rate | | | | | | | | |
| 68 Industries Ranked in sector. | 43,056 | 22,758 | \$458,644,122 | 71.0% | 2,422,019 | 105.7 | 1 | 11,250.5 | 0 | 0 | 4 | 5 | 1.2 | 0.9 |
| 3311 Iron & Steel Mills & Ferroalloy Mfg. | 108 | 55 | \$1,450,116 | 68.9% | 16,398 | 101.7 | 1 | 30,335.0 | 42 | 52 | 105 | 226 | 1.1 | 2.3 |
| 3259 Other Chemical Product & Preparation Mfg. | 156 | 74 | \$1,889,200 | 76.6% | 18,338 | 95.1 | 0.9 | 23,557.5 | 49 | 46 | 123 | 207 | 1.1 | 1.8 |
| 3363 Motor Vehicle Parts Mfg. | 222 | 90 | \$2,629,052 | 58.5% | 27,593 | 81.2 | 0.8 | 24,899.2 | 56 | 42 | 147 | 198 | 0.9 | 1.9 |
| 3361 Motor Vehicle Mfg. | 428 | 127 | \$950,656 | . | 0 | 59.3 | 0.6 | 0 | 68 | 31 | 196 | 170 | 0.7 | 0 |
| 3335 Metalworking Machinery Mfg. | 266 | 91 | \$2,523,963 | 72.9% | 20,591 | 68.5 | 0.6 | 15,509.8 | 61 | 41 | 171 | 196 | 0.8 | 1.2 |
| 3331 Agriculture, Construction, & Mining Machinery Mfg. | 144 | 62 | \$2,629,541 | 53.2% | 19,517 | 86.4 | 0.8 | 27,199.8 | 54 | 49 | 141 | 219 | 1 | 2.1 |
| 3345 Navigational, Measuring, Electromedical, & Control Instruments Mfg. | 1,373 | 223 | \$2,699,457 | 77.5% | 20,752 | 32.5 | 0.3 | 3,023.6 | 80 | 24 | 258 | 136 | 0.4 | 0.2 |
| 3254 Pharmaceutical & Medicine Mfg. | 313 | 93 | \$1,087,800 | 94.1% | 10,461 | 59.4 | 0.6 | 6,679.8 | 67 | 40 | 195 | 194 | 0.7 | 0.5 |
| 3111 Animal Food Mfg. | 154 | 61 | \$607,627 | 120.4% | 7,471 | 79.5 | 0.8 | 9,731.4 | 57 | 50 | 149 | 221 | 0.9 | 0.7 |
| 3241 Petroleum & Coal Products Mfg. | 419 | 99 | \$2,426,688 | 30.1% | 4,977 | 47.2 | 0.4 | 2,374.8 | 71 | 37 | 216 | 187 | 0.5 | 0.2 |
| 3141 Textile Furnishings Mills | 78 | 37 | \$260,526 | 188.3% | 5,886 | 95.1 | 0.9 | 15,124.6 | 48 | 60 | 122 | 247 | 1.1 | 1.2 |
| 3333 Commercial & Service Industry Machinery Mfg. | 271 | 82 | \$1,424,085 | 98.6% | 15,002 | 60.5 | 0.6 | 11,064.7 | 65 | 44 | 193 | 203 | 0.7 | 0.8 |
| 3344 Semiconductor & Other Electronic Component Mfg. | 878 | 149 | \$1,696,838 | 93.2% | 22,488 | 34 | 0.3 | 5,125.1 | 79 | 30 | 254 | 165 | 0.4 | 0.4 |
| 3112 Grain & Oilseed Milling | 104 | 39 | \$1,273,529 | 41.0% | 8,931 | 74.8 | 0.7 | 17,131.1 | 58 | 59 | 160 | 246 | 0.8 | 1.3 |
| 3325 Hardware Mfg. | 150 | 45 | \$212,884 | 30.1% | 636 | 60.1 | 0.6 | 848.8 | 66 | 55.5 | 194 | 237 | 0.7 | 0.1 |
| 3391 Medical Equip. & Supplies Mfg. | 396 | 75 | \$747,702 | 111.8% | 12,657 | 37.9 | 0.4 | 6,395.0 | 77 | 45 | 244 | 206 | 0.4 | 0.5 |
| 3359 Other Electrical Equip. & Component Mfg. | 143 | 42 | \$1,486,824 | 55.9% | 9,609 | 58.7 | 0.6 | 13,421.4 | 69 | 58 | 199 | 241 | 0.7 | 1 |
| 3341 Computer & Peripheral Equip. Mfg. | 865 | 66 | \$677,562 | 167.5% | 3,734 | 15.3 | 0.1 | 863.5 | 83 | 48 | 287 | 216 | 0.2 | 0.1 |
| 3353 Electrical Equip. Mfg. | 205 | 43 | \$648,513 | 126.7% | 10,227 | 42 | 0.4 | 9,987.1 | 75 | 57 | 234 | 239 | 0.5 | 0.8 |
| 3251 Basic Chemical Mfg. | 130 | 33 | \$527,455 | 58.5% | 5,682 | 50.7 | 0.5 | 8,728.9 | 70 | 62 | 206 | 251 | 0.6 | 0.7 |
| 3152 Cut & Sew Apparel Mfg. | 135 | 29 | \$599,349 | 130.0% | 11,300 | 43.1 | 0.4 | 16,782.7 | 74 | 67 | 230 | 257 | 0.5 | 1.3 |
| 3342 Communications Equip. Mfg. | 231 | 31 | \$1,002,854 | 25.8% | 7,516 | 26.8 | 0.3 | 6,499.9 | 82 | 65 | 272 | 255 | 0.3 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Trade: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010. (1-23)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|--------|--------------------|--------------------------|-----------|------|---------------|------------------|--------------|---------------|-------|-------|-------|---------------------------|
| | | | | Medical Aid as %AF | | | | | | | all | all | all | Severity Rate Ratio |
| 45 Industries Ranked in sector. | 71,445 | 35,306 | \$495,353,400 | 78.5% | 4,463,847 | 98.8 | 1 | 12,495.9 | 0 | 0 | 5 | 3 | 1.1 | 1 |
| 4451 Grocery Stores | 6,766 | 5,666 | \$49,928,558 | 92.5% | 308,514 | 168 | 1.7 | 9,119.1 | 2 | 1 | 27 | 5 | 1.9 | 0.7 |
| 4521 Department Stores | 6,902 | 5,638 | \$26,391,277 | 135.5% | 39,422 | 163 | 1.7 | 1,142.3 | 3 | 2 | 31 | 6 | 1.8 | 0.1 |
| 4244 Grocery & Related Product Merchant Wholesalers | 4,955 | 3,559 | \$45,372,160 | 94.3% | 400,831 | 144 | 1.5 | 16,180.2 | 5 | 3 | 47 | 8 | 1.6 | 1.2 |
| 4441 Bldg. Material & Supplies Dealers | 3,809 | 2,662 | \$36,108,411 | 69.6% | 296,670 | 140 | 1.4 | 15,578.1 | 7 | 4 | 52 | 18 | 1.6 | 1.2 |
| 4529 Other General Merchandise Stores | 2,330 | 1,667 | \$14,460,787 | 102.6% | 83,083 | 143 | 1.4 | 7,131.3 | 6 | 5 | 48 | 23 | 1.6 | 0.5 |
| 4248 Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 685 | 528 | \$6,233,953 | 101.6% | 68,457 | 154 | 1.6 | 19,974.0 | 4 | 14 | 40 | 74 | 1.7 | 1.5 |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,860 | 1,003 | \$17,469,807 | 76.3% | 164,649 | 108 | 1.1 | 17,703.7 | 11 | 8 | 93 | 37 | 1.2 | 1.4 |
| 4233 Lumber & Other Construction Materials Merchant Wholesalers | 1,268 | 681 | \$12,751,944 | 82.4% | 122,168 | 107 | 1.1 | 19,272.3 | 12 | 12 | 94 | 60 | 1.2 | 1.5 |
| 4421 Furniture Stores | 783 | 482 | \$6,724,717 | 93.0% | 95,856 | 123 | 1.2 | 24,476.3 | 8 | 17 | 69 | 82 | 1.4 | 1.9 |
| 4533 Used Merchandise Stores | 940 | 526 | \$4,237,953 | 110.5% | 66,303 | 112 | 1.1 | 14,103.7 | 10 | 15 | 87 | 75 | 1.3 | 1.1 |
| 4539 Other Miscellaneous Store Retailers | 3,816 | 1,447 | \$33,185,051 | 75.1% | 351,853 | 75.8 | 0.8 | 18,439.4 | 24 | 6 | 157 | 28 | 0.8 | 1.4 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 2,002 | 777 | \$16,090,264 | 85.1% | 201,260 | 77.6 | 0.8 | 20,101.1 | 21 | 10 | 152 | 48 | 0.9 | 1.5 |
| 4542 Vending Machine Operators | 183 | 197 | \$2,363,739 | 74.1% | 20,974 | 216 | 2.2 | 22,957.6 | 1 | 32 | 13 | 146 | 2.4 | 1.8 |
| 4471 Gasoline Stations | 1,984 | 755 | \$11,724,902 | 100.7% | 169,140 | 76.1 | 0.8 | 17,054.6 | 23 | 11 | 155 | 51 | 0.9 | 1.3 |
| 4238 Machinery, Equip., & Supplies Merchant | 2,660 | 965 | \$25,176,372 | 64.6% | 218,612 | 72.5 | 0.7 | 16,435.3 | 26 | 9 | 165 | 39.5 | 0.8 | 1.3 |
| 4231 Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers | 878 | 428 | \$10,866,254 | 67.8% | 100,162 | 97.5 | 1 | 22,814.8 | 15 | 20 | 116 | 93.5 | 1.1 | 1.7 |
| 4411 Automobile Dealers | 4,073 | 1,357 | \$44,648,978 | 58.0% | 364,626 | 66.6 | 0.7 | 17,906.6 | 29 | 7 | 178 | 30 | 0.7 | 1.4 |
| 4422 Home Furnishings Stores | 756 | 383 | \$9,024,000 | 66.2% | 90,377 | 101 | 1 | 23,905.4 | 13 | 24 | 107 | 100 | 1.1 | 1.8 |
| 4237 Hardware, & Plumbing & Heating Equip. & Supplies Merchant Wholesalers | 914 | 409 | \$7,239,312 | 77.7% | 64,079 | 89.5 | 0.9 | 14,014.6 | 18 | 21 | 134 | 95 | 1 | 1.1 |
| 4235 Metal & Mineral (except Petroleum) Merchant Wholesalers | 370 | 219 | \$5,083,472 | 64.1% | 46,632 | 118 | 1.2 | 25,214.2 | 9 | 31 | 75 | 137 | 1.3 | 1.9 |
| 4543 Direct Selling Establishments | 864 | 393 | \$11,815,057 | 60.1% | 108,490 | 91 | 0.9 | 25,126.4 | 17 | 23 | 131 | 99 | 1 | 1.9 |
| 4442 Lawn & Garden Equip. & Supplies Stores | 807 | 371 | \$6,545,111 | 100.7% | 89,820 | 91.9 | 0.9 | 22,255.3 | 16 | 25 | 129 | 102 | 1 | 1.7 |
| 4239 Miscellaneous Durable Goods Merchant | 1,035 | 403 | \$8,116,876 | 65.5% | 73,297 | 77.9 | 0.8 | 14,164.4 | 20 | 22 | 151 | 97 | 0.9 | 1.1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Trade: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010. (24-45)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as | | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|--------|-----------------|-------------------|-----------|------|------------|---------------|-----------|------------|--------------------|---------------------|---------------------|-----------------------------|
| | | | | %AF | Lost Days | | | | | | | | | |
| 45 Industries Ranked in sector. | 71,445 | 35,306 | \$495,353,400 | 78.5% | 4,463,847 | 98.8 | 1 | 12,495.9 | 0 | 0 | 5 | 3 | 1.1 | 1 |
| 4511 Sporting Goods, Hobby, & Musical Instrument Stores | 1,533 | 505 | \$5,889,092 | 108.9% | 76,108 | 65.9 | 0.7 | 9,929.3 | 31 | 16 | 180 | 78 | 0.7 | 0.8 |
| 4232 Furniture & Home Furnishing Merchant Wholesalers | 319 | 160 | \$3,461,415 | 73.3% | 38,417 | 100 | 1 | 24,082.1 | 14 | 34.5 | 109 | 161 | 1.1 | 1.8 |
| 4412 Other Motor Vehicle Dealers | 684 | 263 | \$6,994,279 | 62.7% | 58,460 | 76.9 | 0.8 | 17,090.5 | 22 | 29 | 154 | 124 | 0.9 | 1.3 |
| 4481 Clothing Stores | 2,861 | 563 | \$6,102,590 | 98.6% | 73,892 | 39.4 | 0.4 | 5,165.0 | 40 | 13 | 242 | 69 | 0.4 | 0.4 |
| 4247 Petroleum & Petroleum Products Merchant Wholesalers | 361 | 160 | \$3,320,179 | 72.0% | 24,429 | 88.8 | 0.9 | 13,551.1 | 19 | 34.5 | 135 | 161 | 1 | 1 |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,156 | 466 | \$11,474,841 | 63.9% | 103,440 | 43.2 | 0.4 | 9,597.3 | 38 | 18 | 228 | 88 | 0.5 | 0.7 |
| 4452 Specialty Food Stores | 709 | 237 | \$4,449,234 | 91.3% | 55,694 | 66.9 | 0.7 | 15,715.9 | 28 | 30 | 177 | 128 | 0.7 | 1.2 |
| 4532 Office Supplies, Stationery, & Gift Stores | 945 | 289 | \$4,933,312 | 92.1% | 59,072 | 61.2 | 0.6 | 12,502.3 | 32 | 28 | 191 | 123 | 0.7 | 1 |
| 4431 Electronics & Appliance Stores | 2,825 | 432 | \$9,156,595 | 68.1% | 91,050 | 30.6 | 0.3 | 6,445.2 | 45 | 19 | 263 | 91.5 | 0.3 | 0.5 |
| 4236 Electrical & Electronic Goods Merchant Wholesalers | 1,343 | 294 | \$6,388,811 | 80.1% | 70,862 | 43.8 | 0.4 | 10,554.9 | 37 | 27 | 226 | 122 | 0.5 | 0.8 |
| 4461 Health & Personal Care Stores | 1,731 | 361 | \$3,601,330 | 101.1% | 38,186 | 41.7 | 0.4 | 4,411.4 | 39 | 26 | 236 | 105 | 0.5 | 0.3 |
| 4241 Paper & Paper Product Merchant Wholesalers | 352 | 117 | \$1,961,663 | 90.7% | 20,749 | 66.5 | 0.7 | 11,785.5 | 30 | 37 | 179 | 174 | 0.7 | 0.9 |
| 4245 Farm Product Raw Material Merchant Wholesalers | 179 | 66 | \$778,321 | 105.1% | 13,514 | 73.9 | 0.7 | 15,125.4 | 25 | 43 | 163 | 216 | 0.8 | 1.2 |
| 4531 Florists | 197 | 67 | \$1,073,764 | 123.9% | 22,689 | 67.9 | 0.7 | 23,004.1 | 27 | 42 | 172 | 213 | 0.8 | 1.8 |
| 4246 Chemical & Allied Products Merchant Wholesalers | 448 | 113 | \$3,378,753 | 64.3% | 30,680 | 50.4 | 0.5 | 13,681.4 | 33 | 38 | 208 | 179 | 0.6 | 1 |
| 4243 Apparel, Piece Goods, & Notions Merchant Wholesalers | 519 | 123 | \$2,096,829 | 108.4% | 28,867 | 47.4 | 0.5 | 11,119.2 | 36 | 36 | 215 | 172 | 0.5 | 0.8 |
| 4251 Wholesale Electronic Markets & Agents & Brokers | 358 | 85 | \$1,120,864 | 103.6% | 14,358 | 47.5 | 0.5 | 8,031.3 | 35 | 40 | 214 | 201 | 0.5 | 0.6 |
| 4512 Book, Periodical, & Music Stores | 1,194 | 190 | \$1,925,225 | 111.2% | 28,544 | 31.8 | 0.3 | 4,783.1 | 44 | 33 | 260 | 150 | 0.4 | 0.4 |
| 4242 Drugs & Druggists' Sundries Merchant Wholesalers | 653 | 112 | \$2,359,665 | 77.8% | 20,777 | 34.3 | 0.3 | 6,360.5 | 41 | 39 | 251 | 180 | 0.4 | 0.5 |
| 4541 Electronic Shopping & Mail-Order Houses | 399 | 68 | \$1,023,640 | 116.6% | 18,242 | 34.1 | 0.3 | 9,153.4 | 43 | 41 | 253 | 211 | 0.4 | 0.7 |
| 4482 Shoe Stores | 280 | 48 | \$650,648 | 74.7% | 9,221 | 34.2 | 0.3 | 6,576.0 | 42 | 44 | 252 | 233 | 0.4 | 0.5 |
| 4483 Jewelry, Luggage, & Leather Goods Stores | 390 | 47 | \$1,501,057 | 67.9% | 18,376 | 24.1 | 0.2 | 9,432.8 | 46 | 45 | 275 | 234 | 0.3 | 0.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 6. Utilities: Washington State All Compensable WMSD Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|--------------------|--------------------------|-----------|-------|---------------|------------------|--------------|---------------|---------------------|----------------------|----------------------|---------------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate Rank | all Count Rank | all Rate Ratio | Severity Rate Ratio |
| 22 Industries Ranked in sector. | 15,579 | 13,590 | \$222,760,420 | 66.5% | 1,444,591 | 174.5 | 1 | 18,545.3 | 0 | 0 | 1 | 7 | 1.9 | 1.4 |
| 4811 Scheduled Air Transportation | 1,494 | 2,384 | \$18,689,463 | 82.0% | 43,963 | 319 | 1.8 | 5,883.4 | 1 | 2 | 2 | 19 | 3.6 | 0.4 |
| 4921 Couriers & Express Delivery Svcs. | 1,287 | 1,744 | \$18,624,936 | 89.2% | 25,630 | 271.1 | 1.6 | 3,984.4 | 3 | 3 | 5 | 21 | 3 | 0.3 |
| 4841 General Freight Trucking | 2,736 | 2,842 | \$69,979,967 | 53.8% | 470,912 | 207.8 | 1.2 | 34,423.9 | 6 | 1 | 15 | 16 | 2.3 | 2.6 |
| 4852 Interurban & Rural Bus Transportation | 344 | 497 | \$8,257,547 | 51.8% | 44,783 | 288.5 | 1.7 | 25,999.8 | 2 | 7 | 3 | 80 | 3.2 | 2 |
| 4842 Specialized Freight Trucking | 935 | 1,072 | \$22,007,074 | 72.3% | 225,926 | 229.3 | 1.3 | 48,332.8 | 5 | 5 | 9 | 34 | 2.6 | 3.7 |
| 4851 Urban Transit Systems | 362 | 473 | \$5,091,608 | 70.7% | 7,826 | 261.4 | 1.5 | 4,325.0 | 4 | 8 | 6 | 87 | 2.9 | 0.3 |
| 2213 Water, Sewage & Other Systems | 2,099 | 1,302 | \$22,970,853 | 71.0% | 163,763 | 124.1 | 0.7 | 15,606.5 | 13 | 4 | 68 | 31 | 1.4 | 1.2 |
| 4884 Support Activities for Road Transportation | 247 | 226 | \$4,769,483 | 82.7% | 62,382 | 182.8 | 1 | 50,465.8 | 8 | 12 | 19 | 134 | 2 | 3.9 |
| 2211 Electric Power Generation, Transmission & Distribution | 1,796 | 957 | \$14,386,194 | 67.0% | 29,843 | 106.6 | 0.6 | 3,322.7 | 17 | 6 | 96 | 41 | 1.2 | 0.3 |
| 4922 Local Messengers & Local Delivery | 189 | 161 | \$3,648,826 | 76.7% | 39,869 | 170.6 | 1 | 42,256.8 | 10 | 15 | 24 | 159 | 1.9 | 3.2 |
| 4859 Other Transit & Ground Passenger Transportation | 289 | 211 | \$2,935,301 | 115.3% | 43,523 | 146 | 0.8 | 30,119.8 | 12 | 13 | 43 | 140 | 1.6 | 2.3 |
| 4832 Inland Water Transportation | 85 | 67 | \$834,488 | 241.9% | 215 | 156.9 | 0.9 | 503.5 | 11 | 16 | 36 | 213 | 1.8 | 0 |
| 4911 Postal Service | 44 | 44 | \$770,724 | 63.9% | 7,154 | 201.2 | 1.2 | 32,711.6 | 7 | 21 | 16 | 238 | 2.2 | 2.5 |
| 4881 Support Activities for Air Transportation | 652 | 324 | \$4,941,630 | 84.2% | 53,846 | 99.4 | 0.6 | 16,520.2 | 18 | 10 | 111 | 111 | 1.1 | 1.3 |
| 4882 Support Activities for Rail Transportation | 54 | 46 | \$1,157,073 | 50.4% | 7,205 | 170.9 | 1 | 26,763.1 | 9 | 20 | 23 | 235 | 1.9 | 2 |
| 4931 Warehousing & Storage | 970 | 460 | \$7,836,706 | 96.2% | 96,655 | 94.8 | 0.5 | 19,928.6 | 21 | 9 | 124 | 89 | 1.1 | 1.5 |
| 4883 Support Activities for Water Transportation | 650 | 323 | \$6,717,160 | 40.3% | 28,456 | 99.4 | 0.6 | 8,754.9 | 19 | 11 | 112 | 113 | 1.1 | 0.7 |
| 4855 Charter Bus Industry | 111 | 65 | \$613,755 | 169.6% | 5,231 | 116.9 | 0.7 | 9,407.3 | 15 | 17 | 80 | 218 | 1.3 | 0.7 |
| 4889 Other Support Activities for Transportation | 96 | 56 | \$560,594 | 110.4% | 10,742 | 117 | 0.7 | 22,437.7 | 14 | 19 | 79 | 224 | 1.3 | 1.7 |
| 4885 Freight Transportation Arrangement | 523 | 170 | \$3,920,797 | 72.2% | 43,399 | 65 | 0.4 | 16,585.8 | 25 | 14 | 183 | 157 | 0.7 | 1.3 |
| 4853 Taxi & Limousine Service | 163 | 60 | \$1,498,248 | 57.6% | 17,055 | 73.5 | 0.4 | 20,883.2 | 24 | 18 | 164 | 222 | 0.8 | 1.6 |
| 2212 Natural Gas Distribution | 96 | 42 | \$871,978 | 57.6% | 3,348 | 87.3 | 0.5 | 6,958.0 | 23 | 22 | 138 | 241 | 1 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|--------|-----------------|-----------------------|-----------|------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| All | 290 | 390,591 | 28,912 | \$881,579,000 | 59.1% | 5,964,023 | 14.8 | 3,053.8 | 7 | 1 | 1 | 1 |
| Transportation & Utilities | 26 | 15,825 | 2,502 | \$65,980,624 | 55.3% | 369,850 | 31.6 | 4,674.2 | 1 | 7 | 2.1 | 1.5 |
| Construction | 10 | 23,854 | 3,417 | \$203,518,118 | 44.3% | 1,386,796 | 28.6 | 11,627.6 | 2 | 6 | 1.9 | 3.8 |
| Manufacturing | 78 | 43,386 | 4,146 | \$138,527,442 | 60.7% | 622,037 | 19.1 | 2,867.4 | 4 | 4 | 1.3 | 0.9 |
| Trade | 46 | 71,537 | 5,799 | \$145,458,037 | 66.3% | 1,064,704 | 16.2 | 2,976.6 | 6 | 3 | 1.1 | 1 |
| Health Care | 18 | 43,091 | 3,749 | \$78,496,556 | 71.2% | 615,209 | 17.4 | 2,855.4 | 5 | 5 | 1.2 | 0.9 |
| Services | 92 | 182,284 | 8,668 | \$225,407,931 | 67.6% | 1,746,811 | 9.5 | 1,916.6 | 9 | 2 | 0.6 | 0.6 |
| Mining | 5 | 541 | 55 | \$4,622,283 | 31.6% | 17,810 | 20.3 | 6,588.4 | 3 | 9 | 1.4 | 2.2 |
| Agriculture | 15 | 10,613 | 576 | \$19,568,009 | 67.2% | 140,806 | 10.9 | 2,653.5 | 8 | 8 | 0.7 | 0.9 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Top 25: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (290 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF Medical | | Severity Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio | Overall Rank |
|-----------|--|-----------------|-------|--------------------------|------------|-----------|---------------|---------------|--------------------|---------------------|---------------------|-----------------------------|--------------|
| | | | | | Aid as %AF | Lost Days | | | | | | | |
| U | 4841 General Freight Trucking | 2,735.5 | 593 | \$22,657 | 46.1% | 145,213 | 43.4 | 10,617.0 | 9 | 9 | 2.9 | 3.5 | 1 |
| U | 4811 Scheduled Air Transportation | 1,494.5 | 388 | \$5,970 | 49.5% | 13,096 | 51.9 | 1,752.6 | 6 | 18 | 3.5 | 0.6 | 2 |
| C | 2382 Bldg. Equip. Contractors | 5,697.9 | 934 | \$57,101 | 44.8% | 391,064 | 32.8 | 13,726.6 | 19 | 5.5 | 2.2 | 4.5 | 3 |
| H | 6231 Nursing Care Facilities | 2,842.0 | 492 | \$10,438 | 88.1% | 124,505 | 34.6 | 8,761.8 | 16 | 13 | 2.3 | 2.9 | 4 |
| C | 2383 Bldg. Finishing Contractors | 3,346.0 | 547 | \$37,023 | 42.9% | 257,071 | 32.7 | 15,366.0 | 20 | 10 | 2.2 | 5 | 5 |
| C | 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,887.8 | 477 | \$27,509 | 47.8% | 206,551 | 33 | 14,305.0 | 17 | 14 | 2.2 | 4.7 | 6 |
| U | 4921 Couriers & Express Delivery Svcs. | 1,286.7 | 272 | \$4,992 | 75.1% | 3,286 | 42.3 | 510.7 | 10 | 22 | 2.9 | 0.2 | 7 |
| S | 5621 Waste Collection | 775.4 | 226 | \$6,233 | 55.0% | 27,937 | 58.3 | 7,206.2 | 4 | 32 | 3.9 | 2.4 | 8 |
| T | 4451 Grocery Stores | 6,804.5 | 934 | \$15,902 | 82.0% | 78,973 | 27.5 | 2,321.2 | 36 | 5.5 | 1.9 | 0.8 | 9 |
| U | 4842 Specialized Freight Trucking | 935.3 | 209 | \$6,843 | 60.7% | 57,037 | 44.7 | 12,196.6 | 8 | 34 | 3 | 4 | 10 |
| S | 9211 Exec., Legislative, & Other General Govt. Support | 13,113.1 | 1,666 | \$30,208 | 61.7% | 68,246 | 25.4 | 1,040.9 | 49 | 1 | 1.7 | 0.3 | 11 |
| M | 3211 Sawmills & Wood Preservation | 851.3 | 162 | \$6,282 | 53.5% | 34,913 | 38.1 | 8,202.0 | 13 | 41.5 | 2.6 | 2.7 | 12 |
| H | 6221 General Medical & Surgical Hospitals | 12,520.6 | 1,499 | \$20,130 | 45.7% | 13,014 | 23.9 | 207.9 | 55 | 2 | 1.6 | 0.1 | 14 |
| T | 4521 Department Stores | 6,902.2 | 867 | \$8,448 | 124.6% | 7,784 | 25.1 | 225.6 | 50 | 7 | 1.7 | 0.1 | 14 |
| C | 2361 Resid. Bldg. Construction | 3,835.3 | 507 | \$27,357 | 45.6% | 206,985 | 26.4 | 10,793.8 | 45 | 12 | 1.8 | 3.5 | 14 |
| T | 4244 Grocery & Related Product Merchant Wholesalers | 5,031.5 | 628 | \$14,743 | 76.6% | 101,477 | 25 | 4,033.6 | 52 | 8 | 1.7 | 1.3 | 16 |
| U | 4852 Interurban & Rural Bus Transportation | 344.3 | 114 | \$3,004 | 49.2% | 13,272 | 66.2 | 7,708.5 | 1 | 62 | 4.5 | 2.5 | 17 |
| M | 3221 Pulp, Paper, & Paperboard Mills | 1,322.8 | 203 | \$10,341 | 36.0% | 10,984 | 30.7 | 1,660.7 | 28 | 35.5 | 2.1 | 0.5 | 18 |
| S | 9221 Justice, Public Order, & Safety Activities | 2,740.6 | 353 | \$9,208 | 65.6% | 61,857 | 25.8 | 4,514.1 | 46 | 19 | 1.7 | 1.5 | 19 |
| S | 5617 Svcs. to Bldgs. & Dwellings | 4,318.1 | 514 | \$16,030 | 66.2% | 165,844 | 23.8 | 7,681.3 | 56 | 11 | 1.6 | 2.5 | 20 |
| C | 2389 Other Specialty Trade Contractors | 2,463.9 | 315 | \$17,166 | 45.4% | 129,182 | 25.6 | 10,485.8 | 47 | 21 | 1.7 | 3.4 | 21 |
| T | 4441 Bldg. Material & Supplies Dealers | 3,806.0 | 459 | \$11,848 | 63.8% | 85,145 | 24.1 | 4,474.3 | 54 | 15.5 | 1.6 | 1.5 | 22 |
| H | 6243 Vocational Rehabilitation Svcs. | 1,233.9 | 175 | \$4,703 | 58.8% | 45,509 | 28.4 | 7,376.5 | 32 | 38 | 1.9 | 2.4 | 23 |
| H | 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975.3 | 148 | \$4,611 | 56.8% | 40,434 | 30.4 | 8,291.7 | 29 | 45 | 2.1 | 2.7 | 24.5 |
| U | 4851 Urban Transit Systems | 361.9 | 96 | \$1,349 | 64.1% | 2,673 | 53.1 | 1,477.2 | 5 | 69 | 3.6 | 0.5 | 24.5 |
| M | 3364 Aerospace Product & Parts Mfg. | 12,936.7 | 1,277 | \$39,945 | 62.1% | 18,881 | 19.7 | 291.9 | 84 | 3 | 1.3 | 0.1 | 30 |
| U | 4832 Inland Water Transportation | 85.4 | 27 | \$366 | 83.3% | 100 | 63.2 | 234.2 | 3 | 155 | 4.3 | 0.1 | 59 |
| M | 3132 Fabric Mills | 36.5 | 12 | \$1,036 | 28.2% | 6,162 | 65.7 | 33,742.7 | 2 | 209 | 4.4 | 11 | 92 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 7. Agriculture: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | | Rate | Severity Ratio | Rate | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|--------------------------|--------------|------|-------------------|---------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Medical Aid as %AF | Lost Days | | | | | | | | | |
| 4 Industries Ranked in sector. | 10,613 | 576 | \$19,568,009 | 67.2% | 140,806 | 10.9 | 1 | 2,653.5 | 0 | 0 | 8 | 8 | 0.7 | 0.9 |
| 1133 Logging | 1,932 | 203 | \$9,173,522 | 51.4% | 42,660 | 21 | 1.9 | 4,417.2 | 2 | 1 | 75 | 35.5 | 1.4 | 1.4 |
| 1151 Support Activities for Crop Production | 1,701 | 119 | \$2,901,479 | 91.3% | 34,242 | 14 | 1.3 | 4,027.2 | 5 | 2 | 139 | 59.5 | 0.9 | 1.3 |
| 1119 Other Crop Farming | 653 | 30 | \$893,611 | 83.8% | 8,530 | 9.2 | 0.8 | 2,612.2 | 8 | 4 | 189 | 151 | 0.6 | 0.9 |
| 1113 Fruit & Tree Nut Farming | 3,697 | 106 | \$1,543,424 | 123.1% | 22,523 | 5.7 | 0.5 | 1,218.4 | 15 | 3 | 235 | 65 | 0.4 | 0.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Construction: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as | | Rate | Severity Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|-------|--------------------|-------------------------|-----------|------|------------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | %AF | Lost Days | | | | | | | | | | |
| 9 Industries Ranked in sector. | 23,854 | 3,417 | \$203,518,118 | 44.3% | 1,386,796 | 28.6 | 1 | 11,627.6 | 0 | 0 | 2 | 6 | 1.9 | 3.8 | |
| 2382 Bldg. Equip. Contractors | 5,698 | 934 | \$57,100,945 | 44.8% | 391,064 | 32.8 | 1.1 | 13,726.6 | 2 | 1 | 19 | 5.5 | 2.2 | 4.5 | |
| 2383 Bldg. Finishing Contractors | 3,346 | 547 | \$37,023,279 | 42.9% | 257,071 | 32.7 | 1.1 | 15,366.0 | 3 | 2 | 20 | 10 | 2.2 | 5 | |
| 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,888 | 477 | \$27,508,500 | 47.8% | 206,551 | 33 | 1.2 | 14,305.0 | 1 | 4 | 17 | 14 | 2.2 | 4.7 | |
| 2361 Resid. Bldg. Construction | 3,835 | 507 | \$27,357,362 | 45.6% | 206,985 | 26.4 | 0.9 | 10,793.8 | 5 | 3 | 45 | 12 | 1.8 | 3.5 | |
| 2389 Other Specialty Trade Contractors | 2,464 | 315 | \$17,165,858 | 45.4% | 129,182 | 25.6 | 0.9 | 10,485.8 | 6 | 5 | 47 | 21 | 1.7 | 3.4 | |
| 2373 Highway, Street, & Bridge Construction | 1,157 | 161 | \$10,796,285 | 35.6% | 51,745 | 27.8 | 1 | 8,941.9 | 4 | 7 | 34 | 43 | 1.9 | 2.9 | |
| 2362 Nonresidential Bldg. Construction | 2,463 | 266 | \$13,897,382 | 44.8% | 76,536 | 21.6 | 0.8 | 6,215.7 | 9 | 6 | 71 | 24 | 1.5 | 2 | |
| 2371 Utility System Construction | 1,210 | 146 | \$10,056,886 | 34.0% | 54,425 | 24.1 | 0.8 | 8,994.5 | 7 | 8 | 53 | 46.5 | 1.6 | 2.9 | |
| 2379 Other Heavy & Civil Engineering Construction | 471 | 52 | \$2,243,737 | 72.3% | 8,946 | 22.1 | 0.8 | 3,794.9 | 8 | 9 | 70 | 115 | 1.5 | 1.2 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Services: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010. (1-24)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|-------|--------------------|--------------------------------|-----------|------|------------------|---------------|------------------|--------------|---------------|-------|-------|-------|----------|
| | | | | | | | | | | | | all | all | all | Severity |
| | | | | | | | | | | | | Rate | Count | Rate | Rate |
| 48 Industries Ranked in sector. | 182,284 | 8,668 | \$225,407,931 | 67.6% | 1,746,811 | 9.5 | 1 | 1,916.6 | 0 | 0 | 9 | 2 | 0.6 | 0.6 | |
| 9211 Exec., Legislative, & Other General Govt. Support | 13,113 | 1,666 | \$30,208,242 | 61.7% | 68,246 | 25.4 | 2.7 | 1,040.9 | 6 | 1 | 49 | 1 | 1.7 | 0.3 | |
| 5617 Svcs. to Bldgs. & Dwellings | 4,318 | 514 | \$16,029,833 | 66.2% | 165,844 | 23.8 | 2.5 | 7,681.3 | 7 | 3 | 56 | 11 | 1.6 | 2.5 | |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 353 | \$9,208,080 | 65.6% | 61,857 | 25.8 | 2.7 | 4,514.1 | 4 | 6 | 46 | 19 | 1.7 | 1.5 | |
| 5621 Waste Collection | 775 | 226 | \$6,233,163 | 55.0% | 27,937 | 58.3 | 6.1 | 7,206.2 | 1 | 10 | 4 | 32 | 3.9 | 2.4 | |
| 8111 Automotive Repair & Maintenance | 2,659 | 270 | \$13,421,869 | 54.9% | 111,246 | 20.3 | 2.1 | 8,366.6 | 10 | 8 | 82 | 23 | 1.4 | 2.7 | |
| 5613 Employment Svcs. | 5,796 | 459 | \$10,899,014 | 73.9% | 125,068 | 15.8 | 1.7 | 4,315.8 | 16 | 4 | 114 | 15.5 | 1.1 | 1.4 | |
| 5311 Lessors of Real Estate | 1,569 | 150 | \$4,125,226 | 73.4% | 40,793 | 19.1 | 2 | 5,201.3 | 12 | 11 | 93 | 44 | 1.3 | 1.7 | |
| 8123 Drycleaning & Laundry Svcs. | 647 | 92 | \$2,993,721 | 67.4% | 27,516 | 28.4 | 3 | 8,506.6 | 3 | 20 | 31 | 71 | 1.9 | 2.8 | |
| 8121 Personal Care Svcs. | 1,536 | 140 | \$4,985,056 | 75.4% | 64,316 | 18.2 | 1.9 | 8,374.5 | 14 | 13 | 103 | 50 | 1.2 | 2.7 | |
| 7211 Traveler Accommodation | 3,245 | 230 | \$5,179,524 | 88.9% | 63,942 | 14.2 | 1.5 | 3,940.5 | 21 | 9 | 137 | 30 | 1 | 1.3 | |
| 5629 Remediation & Other Waste Management Svcs. | 1,915 | 146 | \$4,094,842 | 70.3% | 11,977 | 15.2 | 1.6 | 1,250.80 | 18 | 12 | 119 | 46.5 | 1 | 0.4 | |
| 6111 Elementary & Secondary Schools | 17,502 | 1,002 | \$14,900,479 | 69.7% | 31,196 | 11.5 | 1.2 | 356.5 | 30 | 2 | 162 | 4 | 0.8 | 0.1 | |
| 7112 Spectator Sports | 265 | 53 | \$732,667 | 53.3% | 1,277 | 40.1 | 4.2 | 965.5 | 2 | 34 | 11 | 112 | 2.7 | 0.3 | |
| 7223 Special Food Svcs. | 1,127 | 88 | \$3,045,430 | 83.0% | 38,022 | 15.6 | 1.6 | 6,749.4 | 17 | 21.5 | 116 | 74 | 1.1 | 2.2 | |
| 5111 Newspaper, Periodical, Book, & Directory Publishers | 1,659 | 107 | \$1,971,074 | 83.8% | 13,530 | 12.9 | 1.4 | 1,631.4 | 25 | 16 | 148 | 64 | 0.9 | 0.5 | |
| 8113 Commercial & Industrial Machinery & Equip. (except Automotive & Electronic) Repair & Maintenance | 556 | 52 | \$1,445,476 | 57.9% | 13,851 | 18.7 | 2 | 4,986.0 | 13 | 35 | 94 | 115 | 1.3 | 1.6 | |
| 5611 Office Administrative Svcs. | 1,091 | 72 | \$1,998,579 | 67.7% | 23,490 | 13.2 | 1.4 | 4,307.9 | 23 | 26.5 | 144 | 91 | 0.9 | 1.4 | |
| 5622 Waste Treatment & Disposal | 268 | 34 | \$1,018,178 | 81.8% | 8,062 | 25.4 | 2.7 | 6,026.4 | 5 | 44.5 | 48 | 145 | 1.7 | 2 | |
| 7221 Full-Service Restaurants | 9,996 | 337 | \$8,726,881 | 83.0% | 107,376 | 6.7 | 0.7 | 2,148.4 | 46 | 7 | 212 | 20 | 0.5 | 0.7 | |
| 5313 Activities Related to Real Estate | 2,220 | 105 | \$3,722,401 | 60.3% | 37,780 | 9.5 | 1 | 3,404.0 | 37 | 17.5 | 185 | 66.5 | 0.6 | 1.1 | |
| 9261 Administration of Economic Program | 1,010 | 65 | \$2,108,030 | 52.9% | 11,595 | 12.9 | 1.4 | 2,296.3 | 26 | 29 | 149 | 97 | 0.9 | 0.8 | |
| 8114 Personal & Household Goods Repair & Maintenance | 416 | 34 | \$1,652,608 | 35.5% | 9,126 | 16.3 | 1.7 | 4,384.7 | 15 | 44.5 | 111 | 145 | 1.1 | 1.4 | |
| 7222 Limited-Service Eating Places | 14,447 | 428 | \$11,156,976 | 73.1% | 108,379 | 5.9 | 0.6 | 1,500.4 | 56 | 5 | 232 | 17 | 0.4 | 0.5 | |
| 8129 Other Personal Svcs. | 1,813 | 85 | \$2,960,354 | 53.8% | 23,131 | 9.4 | 1 | 2,551.2 | 38 | 23 | 186 | 78.5 | 0.6 | 0.8 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Services: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010. (25-48)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as | | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|-------|--------------------|-------------------------|-----------|------|------------------|---------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | %AF | Lost Days | | | | | | | | | |
| 48 Industries Ranked in sector. | 182,284 | 8,668 | \$225,407,931 | 67.6% | 1,746,811 | 9.5 | 1 | 1,916.6 | 0 | 0 | 9 | 2 | 0.6 | 0.6 |
| 5614 Business Support Svcs. | 3,372 | 113 | \$3,580,245 | 73.7% | 39,368 | 6.7 | 0.7 | 2,335.2 | 47 | 15 | 214 | 63 | 0.5 | 0.8 |
| 7139 Other Amusement & Recreation Industries | 2,407 | 88 | \$2,649,130 | 76.1% | 26,075 | 7.3 | 0.8 | 2,166.2 | 43 | 21.5 | 203 | 74 | 0.5 | 0.7 |
| 8134 Civic & Social Organizations | 1,213 | 60 | \$1,432,996 | 91.7% | 18,590 | 9.9 | 1 | 3,064.4 | 35 | 31 | 180 | 104 | 0.7 | 1 |
| 7121 Museums, Historical Sites, & Similar Institutions | 423 | 31 | \$669,056 | 83.6% | 5,222 | 14.7 | 1.5 | 2,469.0 | 20 | 46 | 129 | 148 | 1 | 0.8 |
| 9231 Administration of Human Resource Programs | 1,528 | 65 | \$2,614,624 | 62.8% | 18,957 | 8.5 | 0.9 | 2,481.3 | 39 | 29 | 193 | 97 | 0.6 | 0.8 |
| 6113 Colleges, Universities, & Professional Schools | 4,098 | 124 | \$2,953,146 | 78.9% | 25,973 | 6.1 | 0.6 | 1,267.7 | 55 | 14 | 230 | 57 | 0.4 | 0.4 |
| 5619 Other Support Svcs. | 807 | 46 | \$1,403,917 | 69.5% | 15,019 | 11.4 | 1.2 | 3,723.7 | 31 | 38 | 163 | 122 | 0.8 | 1.2 |
| 5322 Consumer Goods Rental | 588 | 37 | \$1,461,005 | 62.4% | 14,168 | 12.6 | 1.3 | 4,821.8 | 27 | 42 | 153 | 138 | 0.9 | 1.6 |
| 5324 Commercial & Industrial Machinery & Equip. Rental & Leasing | 736 | 41 | \$1,239,919 | 67.4% | 9,555 | 11.1 | 1.2 | 2,595.8 | 32 | 39.5 | 167 | 129 | 0.8 | 0.8 |
| 7224 Drinking Places (Alcoholic Beverages) | 1,357 | 57 | \$1,524,897 | 100.0% | 24,325 | 8.4 | 0.9 | 3,584.5 | 40 | 32 | 194 | 107 | 0.6 | 1.2 |
| 5419 Other Professional, Scientific, & Technical Svcs. | 2,365 | 76 | \$2,718,834 | 68.9% | 27,743 | 6.4 | 0.7 | 2,346.4 | 52 | 25 | 222 | 88.5 | 0.4 | 0.8 |
| 9241 Administration of Environmental Quality Programs | 1,017 | 41 | \$1,032,874 | 63.1% | 7,857 | 8.1 | 0.8 | 1,544.8 | 41 | 39.5 | 197 | 129 | 0.5 | 0.5 |
| 5321 Automotive Equip. Rental & Leasing | 515 | 26 | \$1,491,655 | 42.4% | 13,476 | 10.1 | 1.1 | 5,234.7 | 33 | 47.5 | 178 | 157 | 0.7 | 1.7 |
| 5242 Agencies, Brokerages, & Other Insurance Related Activities | 3,644 | 93 | \$1,783,321 | 84.2% | 4,661 | 5.1 | 0.5 | 255.8 | 64 | 19 | 247 | 70 | 0.3 | 0.1 |
| 5416 Management, Scientific, & Technical Consulting Svcs. | 4,187 | 105 | \$3,226,457 | 77.6% | 31,762 | 5 | 0.5 | 1,517.1 | 66 | 17.5 | 250 | 66.5 | 0.3 | 0.5 |
| 5616 Investigation & Security Svcs. | 1,679 | 54 | \$1,599,963 | 58.6% | 15,227 | 6.4 | 0.7 | 1,814.2 | 51 | 33 | 221 | 109 | 0.4 | 0.6 |
| 5412 Accounting, Tax Preparation, Bookkeeping, & Payroll Svcs. | 2,303 | 65 | \$1,870,744 | 70.1% | 20,191 | 5.6 | 0.6 | 1,753.8 | 57 | 29 | 238 | 97 | 0.4 | 0.6 |
| 5511 Management of Companies & Enterprises | 1,184 | 40 | \$1,375,182 | 55.0% | 7,873 | 6.8 | 0.7 | 1,330.2 | 45 | 41 | 211 | 131 | 0.5 | 0.4 |
| 8131 Religious Organizations | 2,780 | 72 | \$1,212,707 | 75.0% | 6,531 | 5.2 | 0.5 | 469.8 | 62 | 26.5 | 245 | 91 | 0.3 | 0.2 |
| 5413 Architectural, Engineering, & Related Svcs. | 5,256 | 84 | \$4,448,757 | 44.5% | 32,278 | 3.2 | 0.3 | 1,228.2 | 72 | 24 | 261 | 80 | 0.2 | 0.4 |
| 5312 Offices of Real Estate Agents & Brokers | 4,258 | 49 | \$2,094,464 | 67.2% | 19,690 | 2.3 | 0.2 | 924.8 | 78 | 36.5 | 270 | 120 | 0.2 | 0.3 |
| 6112 Junior Colleges | 1,122 | 26 | \$894,656 | 68.8% | 6,158 | 4.6 | 0.5 | 1,097.3 | 68 | 47.5 | 252 | 157 | 0.3 | 0.4 |
| 5221 Depository Credit Intermediation | 5,832 | 49 | \$1,804,946 | 64.2% | 14,494 | 1.7 | 0.2 | 497.1 | 85 | 36.5 | 277 | 120 | 0.1 | 0.2 |
| 5411 Legal Svcs. | 3,126 | 35 | \$885,252 | 81.1% | 8,975 | 2.2 | 0.2 | 574.2 | 79 | 43 | 271 | 143 | 0.2 | 0.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index: (rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Healthcare: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate | |
|---|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 14 Industries Ranked in sector. | 43,091 | 3,749 | \$78,496,556 | 71.2% | 615,209 | 17.4 | 1 | 2,855.4 | 0 | 0 | 5 | 5 | 1.2 | 0.9 |
| 6231 Nursing Care Facilities | 2,842 | 492 | \$10,437,823 | 88.1% | 124,505 | 34.6 | 2 | 8,761.8 | 1 | 2 | 16 | 13 | 2.3 | 2.9 |
| 6221 General Medical & Surgical Hospitals | 12,521 | 1,499 | \$20,129,928 | 45.7% | 13,014 | 23.9 | 1.4 | 207.9 | 6 | 1 | 55 | 2 | 1.6 | 0.1 |
| 6243 Vocational Rehabilitation Svcs. | 1,234 | 175 | \$4,703,058 | 58.8% | 45,509 | 28.4 | 1.6 | 7,376.5 | 4 | 6 | 32 | 38 | 1.9 | 2.4 |
| 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975 | 148 | \$4,611,414 | 56.8% | 40,434 | 30.4 | 1.7 | 8,291.7 | 3 | 7 | 29 | 45 | 2.1 | 2.7 |
| 6233 Community Care Facilities for the Elderly | 2,019 | 232 | \$5,360,216 | 86.3% | 73,477 | 23 | 1.3 | 7,276.9 | 8 | 4 | 64 | 29 | 1.6 | 2.4 |
| 6219 Other Ambulatory Health Care Svcs. | 755 | 119 | \$2,347,313 | 49.3% | 14,694 | 31.5 | 1.8 | 3,891.9 | 2 | 10 | 25 | 59.5 | 2.1 | 1.3 |
| 6216 Home Health Care Svcs. | 3,323 | 227 | \$6,688,631 | 69.3% | 80,008 | 13.7 | 0.8 | 4,815.7 | 11 | 5 | 142 | 31 | 0.9 | 1.6 |
| 6239 Other Resid. Care Facilities | 1,049 | 123 | \$3,091,390 | 69.4% | 35,719 | 23.4 | 1.3 | 6,809.8 | 7 | 9 | 61 | 58 | 1.6 | 2.2 |
| 6211 Offices of Physicians | 6,041 | 239 | \$5,554,666 | 82.8% | 38,857 | 7.9 | 0.5 | 1,286.4 | 14 | 3 | 200 | 28 | 0.5 | 0.4 |
| 6241 Individual & Family Svcs. | 1,850 | 133 | \$4,439,149 | 72.0% | 51,174 | 14.4 | 0.8 | 5,533.0 | 10 | 8 | 132 | 51 | 1 | 1.8 |
| 6213 Offices of Other Health Practitioners | 2,022 | 87 | \$2,628,446 | 70.9% | 26,350 | 8.6 | 0.5 | 2,606.5 | 12 | 11 | 192 | 76 | 0.6 | 0.9 |
| 6214 Outpatient Care Centers | 2,478 | 82 | \$1,691,028 | 82.4% | 15,255 | 6.6 | 0.4 | 1,231.3 | 15 | 12 | 218 | 83 | 0.4 | 0.4 |
| 6212 Offices of Dentists | 2,564 | 72 | \$3,217,945 | 51.0% | 26,221 | 5.6 | 0.3 | 2,045.2 | 18 | 13 | 240 | 91 | 0.4 | 0.7 |
| 6244 Child Day Care Svcs. | 2,041 | 62 | \$1,126,294 | 87.4% | 13,122 | 6.1 | 0.3 | 1,285.7 | 17 | 14 | 229 | 102 | 0.4 | 0.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Manufacturing: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010. (1-16)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|-----------------|---------------|--------------|------|------------------|---------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 31 Industries Ranked in sector. | 43,386 | 4,146 | \$138,527,442 | 60.7% | 622,037 | 19.1 | 1 | 2,867.4 | 0 | 0 | 4 | 4 | 1.3 | 0.9 |
| 3211 Sawmills & Wood Preservation | 851 | 162 | \$6,281,987 | 53.5% | 34,913 | 38.1 | 2 | 8,202.0 | 3 | 4 | 13 | 41.5 | 2.6 | 2.7 |
| 3221 Pulp, Paper, & Paperboard Mills | 1,323 | 203 | \$10,341,167 | 36.0% | 10,984 | 30.7 | 1.6 | 1,660.7 | 9 | 2 | 28 | 35.5 | 2.1 | 0.5 |
| 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 868 | 131 | \$4,394,971 | 78.3% | 41,220 | 30.2 | 1.6 | 9,495.8 | 10 | 5.5 | 30 | 52.5 | 2 | 3.1 |
| 3116 Animal Slaughtering & Processing | 954 | 131 | \$3,478,608 | 93.3% | 28,412 | 27.5 | 1.4 | 5,953.8 | 13 | 5.5 | 37 | 52.5 | 1.9 | 1.9 |
| 3219 Other Wood Product Mfg. | 1,385 | 185 | \$5,429,038 | 67.9% | 39,531 | 26.7 | 1.4 | 5,708.0 | 16 | 3 | 43 | 37 | 1.8 | 1.9 |
| 3222 Converted Paper Product Mfg. | 526 | 82 | \$3,232,089 | 45.4% | 18,092 | 31.2 | 1.6 | 6,873.7 | 7 | 13.5 | 26 | 83 | 2.1 | 2.3 |
| 3118 Bakeries & Tortilla Mfg. | 757 | 104 | \$3,967,951 | 56.6% | 16,818 | 27.5 | 1.4 | 4,443.4 | 12 | 10 | 35 | 68 | 1.9 | 1.5 |
| 3115 Dairy Product Mfg. | 180 | 45 | \$654,514 | 64.6% | 2,422 | 50.1 | 2.6 | 2,695.9 | 2 | 22.5 | 7 | 124 | 3.4 | 0.9 |
| 3313 Alumina & Aluminum Production & Processing | 358 | 55 | \$2,263,029 | 151.5% | 1,517 | 30.7 | 1.6 | 847.3 | 8 | 18 | 27 | 108 | 2.1 | 0.3 |
| 3372 Office Furniture (including Fixtures) Mfg. | 267 | 44 | \$2,076,153 | 64.5% | 13,826 | 33 | 1.7 | 10,369.6 | 4 | 24 | 18 | 127 | 2.2 | 3.4 |
| 3323 Architectural & Structural Metals Mfg. | 1,107 | 128 | \$4,545,966 | 67.7% | 33,144 | 23.1 | 1.2 | 5,986.5 | 22 | 8 | 63 | 55 | 1.6 | 2 |
| 3364 Aerospace Product & Parts Mfg. | 12,937 | 1,277 | \$39,945,341 | 62.1% | 18,881 | 19.7 | 1 | 291.9 | 30 | 1 | 84 | 3 | 1.3 | 0.1 |
| 3212 Veneer, Plywood, & Engineered Wood Product Mfg. | 488 | 65 | \$2,617,849 | 49.0% | 18,208 | 26.7 | 1.4 | 7,469.7 | 17 | 16 | 44 | 97 | 1.8 | 2.4 |
| 3121 Beverage Mfg. | 1,169 | 125 | \$2,502,479 | 78.1% | 16,052 | 21.4 | 1.1 | 2,746.7 | 26 | 9 | 73 | 56 | 1.4 | 0.9 |
| 3273 Cement & Concrete Product Mfg. | 797 | 86 | \$2,871,166 | 46.9% | 13,962 | 21.6 | 1.1 | 3,502.7 | 25 | 12 | 72 | 77 | 1.5 | 1.1 |
| 3315 Foundries | 424 | 53 | \$2,097,965 | 62.9% | 18,393 | 25 | 1.3 | 8,680.7 | 18 | 19 | 51 | 112 | 1.7 | 2.8 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Manufacturing: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010. (17-31)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Ratio | Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|-------|--------------------|---------------|--------------|------|-------------------|---------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | | |
| 31 Industries Ranked in sector. | 43,386 | 4,146 | \$138,527,442 | 60.7% | 622,037 | 19.1 | 1 | 2,867.4 | 0 | 0 | 4 | 4 | 4 | 1.3 | 0.9 |
| 3261 Plastics Product Mfg. | 937 | 90 | \$2,675,353 | 59.5% | 22,071 | 19.2 | 1 | 4,711.5 | 33 | 11 | 92 | 72 | 1.3 | 1.5 | |
| 3366 Ship & Boat Bldg. | 511 | 52 | \$1,630,612 | 55.6% | 11,740 | 20.4 | 1.1 | 4,596.1 | 28 | 20 | 81 | 115 | 1.4 | 1.5 | |
| 3114 Fruit & Vegetable Preserving & Specialty Food Mfg. | 1,733 | 130 | \$2,572,019 | 71.3% | 10,233 | 15 | 0.8 | 1,181.1 | 43 | 7 | 123 | 54 | 1 | 0.4 | |
| 3329 Other Fabricated Metal Product Mfg. | 456 | 45 | \$2,551,540 | 46.5% | 15,594 | 19.7 | 1 | 6,839.3 | 31 | 22.5 | 85 | 124 | 1.3 | 2.2 | |
| 3339 Other General Purpose Machinery Mfg. | 1,104 | 82 | \$1,577,230 | 51.1% | 5,990 | 14.9 | 0.8 | 1,084.9 | 45 | 13.5 | 126 | 83 | 1 | 0.4 | |
| 3117 Seafood Product Preparation & Packaging | 564 | 51 | \$1,266,277 | 84.0% | 15,045 | 18.1 | 0.9 | 5,332.8 | 38 | 21 | 104 | 117 | 1.2 | 1.7 | |
| 3272 Glass & Glass Product Mfg. | 388 | 36 | \$2,275,402 | 48.9% | 14,562 | 18.6 | 1 | 7,504.1 | 34 | 28 | 96 | 140 | 1.3 | 2.5 | |
| 3119 Other Food Mfg. | 441 | 38 | \$788,222 | 87.2% | 1,919 | 17.2 | 0.9 | 869.9 | 39 | 26.5 | 106 | 136 | 1.2 | 0.3 | |
| 3231 Printing & Related Support Activities | 1,002 | 69 | \$2,335,547 | 70.7% | 22,271 | 13.8 | 0.7 | 4,446.0 | 51 | 15 | 141 | 94 | 0.9 | 1.5 | |
| 3332 Industrial Machinery Mfg. | 442 | 38 | \$738,228 | 77.1% | 6,716 | 17.2 | 0.9 | 3,040.7 | 40 | 26.5 | 107 | 136 | 1.2 | 1 | |
| 3399 Other Miscellaneous Mfg. | 1,031 | 64 | \$2,251,583 | 70.1% | 21,458 | 12.4 | 0.6 | 4,161.2 | 54 | 17 | 154 | 101 | 0.8 | 1.4 | |
| 3327 Machine Shops; Turned Product; & Screw, Nut, & Bolt Mfg. | 409 | 30 | \$1,159,950 | 48.2% | 7,392 | 14.7 | 0.8 | 3,614.4 | 47 | 30 | 128 | 151 | 1 | 1.2 | |
| 3241 Petroleum & Coal Products Mfg. | 419 | 30 | \$886,388 | 25.0% | 2,129 | 14.3 | 0.7 | 1,015.8 | 49 | 30 | 133 | 151 | 1 | 0.3 | |
| 3345 Navigational, Measuring, Electromedical, & Control Instruments Mfg. | 1,373 | 39 | \$1,120,060 | 48.0% | 5,566 | 5.7 | 0.3 | 811 | 72 | 25 | 237 | 133 | 0.4 | 0.3 | |
| 3344 Semiconductor & Other Electronic Component Mfg. | 878 | 30 | \$694,825 | 65.2% | 6,012 | 6.8 | 0.4 | 1,370.2 | 68 | 30 | 208 | 151 | 0.5 | 0.4 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Trade: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010. (1-18)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|-------|--------------------|--------------------------------|-----------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | | | | | | | | | | | |
| 35 Industries Ranked in sector. | 71,537 | 5,799 | \$145,458,037 | 66.3% | 1,064,704 | 16.2 | 1 | 2,976.6 | 0 | 0 | 6 | 3 | 1.1 | 1 |
| 4451 Grocery Stores | 6,804 | 934 | \$15,901,574 | 82.0% | 78,973 | 27.5 | 1.7 | 2,321.2 | 2 | 1 | 36 | 5.5 | 1.9 | 0.8 |
| 4521 Department Stores | 6,902 | 867 | \$8,448,459 | 124.6% | 7,784 | 25.1 | 1.5 | 225.6 | 3 | 2 | 50 | 7 | 1.7 | 0.1 |
| 4244 Grocery & Related Product Merchant Wholesalers | 5,032 | 628 | \$14,742,519 | 76.6% | 101,477 | 25 | 1.5 | 4,033.6 | 4 | 3 | 52 | 8 | 1.7 | 1.3 |
| 4441 Bldg. Material & Supplies Dealers | 3,806 | 459 | \$11,847,991 | 63.8% | 85,145 | 24.1 | 1.5 | 4,474.3 | 5 | 4 | 54 | 15.5 | 1.6 | 1.5 |
| 4529 Other General Merchandise Stores | 2,326 | 260 | \$4,228,948 | 64.6% | 23,050 | 22.4 | 1.4 | 1,982.3 | 8 | 5 | 67 | 25 | 1.5 | 0.6 |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,847 | 169 | \$4,377,248 | 74.3% | 32,842 | 18.3 | 1.1 | 3,556.4 | 13 | 8 | 101 | 39 | 1.2 | 1.2 |
| 4233 Lumber & Other Construction Materials Merchant Wholesalers | 1,268 | 117 | \$3,629,013 | 62.5% | 21,965 | 18.5 | 1.1 | 3,463.7 | 11 | 12 | 98 | 61 | 1.2 | 1.1 |
| 4248 Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 685 | 77 | \$1,197,216 | 99.1% | 11,403 | 22.5 | 1.4 | 3,327.8 | 7 | 16.5 | 65 | 86.5 | 1.5 | 1.1 |
| 4421 Furniture Stores | 783 | 77 | \$1,526,846 | 91.0% | 19,473 | 19.7 | 1.2 | 4,971.4 | 10 | 16.5 | 86 | 86.5 | 1.3 | 1.6 |
| 4539 Other Miscellaneous Store Retailers | 3,874 | 255 | \$9,703,432 | 64.5% | 82,807 | 13.2 | 0.8 | 4,274.5 | 24 | 6 | 145 | 26 | 0.9 | 1.4 |
| 4471 Gasoline Stations | 1,999 | 143 | \$3,469,615 | 101.6% | 46,197 | 14.3 | 0.9 | 4,621.1 | 20 | 10 | 134 | 48 | 1 | 1.5 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 1,959 | 142 | \$4,986,377 | 65.5% | 46,398 | 14.5 | 0.9 | 4,736.4 | 19 | 11 | 130 | 49 | 1 | 1.6 |
| 4237 Hardware, & Plumbing & Heating Equip. & Supplies Merchant Wholesalers | 925 | 76 | \$2,627,238 | 57.7% | 16,420 | 16.4 | 1 | 3,549.8 | 14 | 18 | 110 | 88.5 | 1.1 | 1.2 |
| 4411 Automobile Dealers | 4,080 | 247 | \$14,281,647 | 47.2% | 100,483 | 12.1 | 0.7 | 4,926.1 | 27 | 7 | 158 | 27 | 0.8 | 1.6 |
| 4533 Used Merchandise Stores | 881 | 70 | \$1,279,752 | 79.0% | 13,507 | 15.9 | 1 | 3,067.3 | 15 | 19 | 113 | 93 | 1.1 | 1 |
| 4235 Metal & Mineral (except Petroleum) Merchant Wholesalers | 370 | 44 | \$2,059,226 | 50.0% | 14,516 | 23.8 | 1.5 | 7,848.2 | 6 | 28 | 58 | 127 | 1.6 | 2.6 |
| 4238 Machinery, Equip., & Supplies Merchant Wholesalers | 2,661 | 162 | \$7,352,308 | 58.6% | 57,751 | 12.2 | 0.8 | 4,340.8 | 26 | 9 | 157 | 41.5 | 0.8 | 1.4 |
| 4542 Vending Machine Operators | 184 | 29 | \$661,942 | 82.5% | 7,005 | 31.5 | 1.9 | 7,620.2 | 1 | 34 | 24 | 153 | 2.1 | 2.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Trade: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010. (19-35)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | | Lost Days | Rate | Severity Rate | Prevention Index Rate | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|--------------------------------|--|-----------|------|------------------|-----------------------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | | | | | | | | | | | | |
| 35 Industries Ranked in sector. | 71,537 | 5,799 | \$145,458,037 | 66.3% | | 1,064,704 | 16.2 | 1 | 2,976.6 | 0 | 0 | 6 | 3 | 1.1 | 1 |
| 4511 Sporting Goods, Hobby, & Musical Instrument Stores | 1,532 | 88 | \$2,047,743 | 75.2% | | 20,919 | 11.5 | 0.7 | 2,731.3 | 28 | 13 | 160 | 74 | 0.8 | 0.9 |
| 4422 Home Furnishings Stores | 756 | 57 | \$2,155,195 | 52.2% | | 19,683 | 15.1 | 0.9 | 5,205.3 | 18 | 23 | 121 | 107 | 1 | 1.7 |
| 4232 Furniture & Home Furnishing Merchant Wholesalers | 320 | 33 | \$1,073,272 | 78.7% | | 11,922 | 20.6 | 1.3 | 7,453.3 | 9 | 33 | 78 | 147 | 1.4 | 2.4 |
| 4231 Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers | 886 | 60 | \$1,705,932 | 74.6% | | 11,614 | 13.5 | 0.8 | 2,621.1 | 23 | 21 | 143 | 104 | 0.9 | 0.9 |
| 4543 Direct Selling Establishments | 845 | 59 | \$2,578,771 | 52.2% | | 21,777 | 14 | 0.9 | 5,156.0 | 22 | 22 | 140 | 105 | 0.9 | 1.7 |
| 4247 Petroleum & Petroleum Products Merchant Wholesalers | 370 | 34 | \$2,180,367 | 31.5% | | 9,223 | 18.4 | 1.1 | 4,980.4 | 12 | 32 | 100 | 145 | 1.2 | 1.6 |
| 4239 Miscellaneous Durable Goods Merchant Wholesalers | 1,002 | 65 | \$2,308,659 | 43.9% | | 16,446 | 13 | 0.8 | 3,284.2 | 25 | 20 | 146 | 97 | 0.9 | 1.1 |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,359 | 79 | \$3,299,283 | 48.0% | | 22,717 | 6.7 | 0.4 | 1,926.3 | 37 | 15 | 215 | 85 | 0.5 | 0.6 |
| 4241 Paper & Paper Product Merchant Wholesalers | 352 | 27 | \$708,526 | 101.4% | | 6,390 | 15.3 | 0.9 | 3,628.0 | 17 | 35 | 118 | 155 | 1 | 1.2 |
| 4532 Office Supplies, Stationery, & Gift Stores | 937 | 53 | \$1,576,657 | 73.7% | | 15,660 | 11.3 | 0.7 | 3,341.7 | 29 | 24 | 165 | 112 | 0.8 | 1.1 |
| 4481 Clothing Stores | 2,882 | 85 | \$2,341,457 | 68.8% | | 26,626 | 5.9 | 0.4 | 1,847.6 | 41 | 14 | 233 | 78.5 | 0.4 | 0.6 |
| 4442 Lawn & Garden Equip. & Supplies Stores | 808 | 45 | \$1,604,817 | 71.2% | | 17,110 | 11.1 | 0.7 | 4,234.9 | 30 | 27 | 168 | 124 | 0.8 | 1.4 |
| 4452 Specialty Food Stores | 708 | 38 | \$1,206,872 | 83.6% | | 12,958 | 10.7 | 0.7 | 3,658.3 | 31 | 30 | 172 | 136 | 0.7 | 1.2 |
| 4412 Other Motor Vehicle Dealers | 691 | 35 | \$1,140,772 | 68.9% | | 10,676 | 10.1 | 0.6 | 3,090.6 | 34 | 31 | 177 | 143 | 0.7 | 1 |
| 4431 Electronics & Appliance Stores | 2,836 | 50 | \$1,475,625 | 61.8% | | 12,382 | 3.5 | 0.2 | 873.1 | 44 | 25 | 257 | 118 | 0.2 | 0.3 |
| 4461 Health & Personal Care Stores | 1,734 | 47 | \$679,728 | 75.9% | | 5,915 | 5.4 | 0.3 | 682.1 | 43 | 26 | 243 | 121 | 0.4 | 0.2 |
| 4236 Electrical & Electronic Goods Merchant Wholesalers | 1,343 | 40 | \$1,289,363 | 72.2% | | 12,886 | 6 | 0.4 | 1,918.7 | 40 | 29 | 231 | 131 | 0.4 | 0.6 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 7. Utilities: Washington State All Compensable SHOULDER Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Code | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Aid as %AF | Lost Days | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 16 Industries Ranked in sector. | 15,825 | 2,502 | \$65,980,624 | 55.3% | 369,850 | 31.6 | 1 | 4,674.2 | 0 | 0 | 1 | 7 | 2.1 | 1.5 |
| 4811 Scheduled Air Transportation | 1,494 | 388 | \$5,970,163 | 49.5% | 13,096 | 51.9 | 1.6 | 1,752.6 | 4 | 2 | 6 | 18 | 3.5 | 0.6 |
| 4841 General Freight Trucking | 2,735 | 593 | \$22,657,346 | 46.1% | 145,213 | 43.4 | 1.4 | 10,617.0 | 6 | 1 | 9 | 9 | 2.9 | 3.5 |
| 4852 Interurban & Rural Bus Transportation | 344 | 114 | \$3,004,290 | 49.2% | 13,272 | 66.2 | 2.1 | 7,708.5 | 1 | 7 | 1 | 62 | 4.5 | 2.5 |
| 4921 Couriers & Express Delivery Svcs. | 1,287 | 272 | \$4,992,290 | 75.1% | 3,286 | 42.3 | 1.3 | 510.7 | 7 | 3 | 10 | 22 | 2.9 | 0.2 |
| 4842 Specialized Freight Trucking | 935 | 209 | \$6,842,787 | 60.7% | 57,037 | 44.7 | 1.4 | 12,196.6 | 5 | 5 | 8 | 34 | 3 | 4 |
| 4851 Urban Transit Systems | 362 | 96 | \$1,348,765 | 64.1% | 2,673 | 53.1 | 1.7 | 1,477.2 | 3 | 8 | 5 | 69 | 3.6 | 0.5 |
| 4832 Inland Water Transportation | 85 | 27 | \$365,694 | 83.3% | 100 | 63.2 | 2 | 234.2 | 2 | 16 | 3 | 155 | 4.3 | 0.1 |
| 2213 Water, Sewage & Other Systems | 2,199 | 224 | \$5,212,263 | 61.5% | 27,696 | 20.4 | 0.6 | 2,518.8 | 15 | 4 | 80 | 33 | 1.4 | 0.8 |
| 4922 Local Messengers & Local Delivery | 189 | 36 | \$1,006,454 | 77.3% | 10,435 | 38.2 | 1.2 | 11,068.3 | 8 | 14.5 | 12 | 140 | 2.6 | 3.6 |
| 4884 Support Activities for Road Transportation | 246 | 39 | \$1,175,811 | 63.1% | 11,994 | 31.7 | 1 | 9,737.3 | 11 | 12.5 | 23 | 133 | 2.1 | 3.2 |
| 2211 Electric Power Generation, Transmission & Distribution | 1,786 | 166 | \$3,444,050 | 67.8% | 4,877 | 18.6 | 0.6 | 546.1 | 18 | 6 | 95 | 40 | 1.3 | 0.2 |
| 4859 Other Transit & Ground Passenger Transportation | 289 | 39 | \$1,124,863 | 77.8% | 13,353 | 27 | 0.9 | 9,239.7 | 13 | 12.5 | 40 | 133 | 1.8 | 3 |
| 4881 Support Activities for Air Transportation | 652 | 64 | \$2,043,118 | 66.0% | 17,331 | 19.6 | 0.6 | 5,317.3 | 16 | 10 | 87 | 101 | 1.3 | 1.7 |
| 4931 Warehousing & Storage | 970 | 83 | \$1,591,848 | 90.4% | 13,715 | 17.1 | 0.5 | 2,828.2 | 20 | 9 | 108 | 81 | 1.2 | 0.9 |
| 4883 Support Activities for Water Transportation | 650 | 53 | \$1,478,152 | 56.0% | 4,347 | 16.3 | 0.5 | 1,337.4 | 22 | 11 | 112 | 112 | 1.1 | 0.4 |
| 4885 Freight Transportation Arrangement | 681 | 36 | \$1,532,344 | 51.8% | 14,556 | 10.6 | 0.3 | 4,274.5 | 24 | 14.5 | 174 | 140 | 0.7 | 1.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 8. Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|--------|-----------------|-----------------------|-----------|------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| All | 280 | 390,591 | 10,373 | \$303,126,604 | 62.2% | 2,781,422 | 5.3 | 1,424.2 | 5 | 1 | 1 | 1 |
| Construction | 10 | 23,854 | 1,619 | \$87,657,910 | 55.7% | 685,547 | 13.6 | 5,748.0 | 1 | 4 | 2.6 | 4 |
| Manufacturing | 77 | 43,386 | 1,413 | \$38,599,557 | 62.7% | 300,727 | 6.5 | 1,386.3 | 3 | 5 | 1.2 | 1 |
| Transportation & Utilities | 26 | 15,825 | 654 | \$13,959,006 | 58.4% | 107,936 | 8.3 | 1,364.1 | 2 | 7 | 1.6 | 1 |
| Trade | 46 | 71,537 | 1,895 | \$44,642,096 | 66.8% | 461,102 | 5.3 | 1,289.1 | 6 | 3 | 1 | 0.9 |
| Services | 88 | 182,284 | 3,542 | \$86,049,573 | 66.5% | 919,918 | 3.9 | 1,009.3 | 8 | 2 | 0.7 | 0.7 |
| Mining | 3 | 541 | 15 | \$390,744 | 85.6% | 2,930 | 5.5 | 1,083.9 | 4 | 9 | 1 | 0.8 |
| Health Care | 17 | 43,091 | 1,032 | \$26,165,802 | 60.9% | 238,779 | 4.8 | 1,108.3 | 7 | 6 | 0.9 | 0.8 |
| Agriculture | 13 | 10,613 | 203 | \$5,661,917 | 76.1% | 64,483 | 3.8 | 1,215.2 | 9 | 8 | 0.7 | 0.9 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 8. Top 25: Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (280 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF Medical | | Severity Rate | Severity Rate | Over-all Rate | Over-all Count | Over-all Ratio | Overall Severity Rate | Over-all PI Rank | |
|-----------|--|---|----------|--------------------------|------------|-----------|---------------|---------------|---------------|----------------|----------------|-----------------------|------------------|------|
| | | | | | Aid as %AF | Lost Days | | | | | | | | |
| C | 2382 | Bldg. Equip. Contractors | 5,697.9 | 587 | \$32,783 | 44.3% | 275,633 | 20.6 | 9,674.9 | 5 | 1 | 3.9 | 6.8 | 1 |
| C | 2381 | Foundation, Structure, & Bldg. Exterior Contractors | 2,887.8 | 227 | \$11,089 | 144.6% | 77,538 | 15.7 | 5,370.0 | 12 | 7.5 | 3 | 3.8 | 2 |
| C | 2383 | Bldg. Finishing Contractors | 3,346.0 | 208 | \$13,405 | 40.2% | 103,216 | 12.4 | 6,169.6 | 25 | 12 | 2.3 | 4.3 | 3 |
| C | 2361 | Resid. Bldg. Construction | 3,835.3 | 227 | \$10,668 | 40.8% | 87,884 | 11.8 | 4,582.9 | 30 | 7.5 | 2.2 | 3.2 | 4 |
| S | 8121 | Personal Care Svcs. | 1,536.0 | 105 | \$3,176 | 74.9% | 44,845 | 13.7 | 5,839.2 | 19 | 23 | 2.6 | 4.1 | 5 |
| U | 4811 | Scheduled Air Transportation | 1,494.5 | 92 | \$825 | 67.8% | 2,523 | 12.3 | 337.6 | 26 | 28 | 2.3 | 0.2 | 6.5 |
| U | 4842 | Specialized Freight Trucking | 935.3 | 69 | \$1,119 | 99.1% | 15,114 | 14.8 | 3,231.9 | 16 | 38 | 2.8 | 2.3 | 6.5 |
| S | 5617 | Svcs. to Bldgs. & Dwellings | 4,318.1 | 216 | \$4,609 | 84.7% | 61,046 | 10 | 2,827.4 | 49 | 10 | 1.9 | 2 | 8.5 |
| C | 2389 | Other Specialty Trade Contractors | 2,463.9 | 129 | \$7,209 | 49.2% | 61,166 | 10.5 | 4,964.9 | 41 | 18 | 2 | 3.5 | 8.5 |
| M | 3219 | Other Wood Product Mfg. | 1,385.1 | 77 | \$1,610 | 77.8% | 17,424 | 11.1 | 2,515.9 | 37 | 32 | 2.1 | 1.8 | 10.5 |
| S | 7223 | Special Food Svcs. | 1,126.7 | 67 | \$1,747 | 94.4% | 27,880 | 11.9 | 4,949.1 | 29 | 40 | 2.2 | 3.5 | 10.5 |
| U | 4841 | General Freight Trucking | 2,735.5 | 131 | \$4,499 | 51.4% | 33,934 | 9.6 | 2,481.0 | 56 | 16 | 1.8 | 1.7 | 12.5 |
| S | 5621 | Waste Collection | 775.4 | 50 | \$546 | 116.8% | 4,806 | 12.9 | 1,239.7 | 20 | 52 | 2.4 | 0.9 | 12.5 |
| S | 8111 | Automotive Repair & Maintenance | 2,659.3 | 120 | \$5,777 | 50.5% | 53,976 | 9 | 4,059.5 | 62 | 19 | 1.7 | 2.9 | 14 |
| M | 3222 | Converted Paper Product Mfg. | 526.4 | 40 | \$1,162 | 45.0% | 9,007 | 15.2 | 3,422.0 | 15 | 72 | 2.9 | 2.4 | 15 |
| M | 3323 | Architectural & Structural Metals Mfg. | 1,107.3 | 57 | \$1,632 | 53.1% | 11,477 | 10.3 | 2,073.0 | 43 | 45 | 1.9 | 1.5 | 16 |
| S | 5613 | Employment Svcs. | 5,795.8 | 235 | \$3,883 | 76.2% | 52,579 | 8.1 | 1,814.4 | 83 | 6 | 1.5 | 1.3 | 17 |
| C | 2362 | Nonresidential Bldg. Construction | 2,462.7 | 107 | \$5,127 | 45.6% | 32,712 | 8.7 | 2,656.6 | 70 | 21 | 1.6 | 1.9 | 18 |
| C | 2373 | Highway, Street, & Bridge Construction | 1,157.4 | 58 | \$4,073 | 33.0% | 22,755 | 10 | 3,932.2 | 48 | 44 | 1.9 | 2.8 | 19 |
| H | 6219 | Other Ambulatory Health Care Svcs. | 755.1 | 44 | \$1,009 | 47.8% | 5,809 | 11.7 | 1,538.6 | 32 | 63.5 | 2.2 | 1.1 | 20 |
| T | 4451 | Grocery Stores | 6,804.5 | 258 | \$4,148 | 71.4% | 34,555 | 7.6 | 1,015.7 | 92 | 4 | 1.4 | 0.7 | 21 |
| S | 7112 | Spectator Sports | 264.5 | 28 | \$153 | 206.4% | 695 | 21.2 | 525.5 | 4 | 93.5 | 4 | 0.4 | 22 |
| T | 4244 | Grocery & Related Product Merchant Wholesalers | 5,031.5 | 203 | \$4,112 | 82.6% | 44,046 | 8.1 | 1,750.8 | 85 | 13.5 | 1.5 | 1.2 | 23 |
| M | 3116 | Animal Slaughtering & Processing | 954.4 | 48 | \$1,055 | 105.1% | 12,725 | 10.1 | 2,666.6 | 47 | 55.5 | 1.9 | 1.9 | 24 |
| C | 2371 | Utility System Construction | 1,210.2 | 55 | \$2,656 | 35.7% | 19,833 | 9.1 | 3,277.7 | 61 | 46 | 1.7 | 2.3 | 25 |
| S | 9211 | Exec., Legislative, & Other General Govt. Support | 13,113.1 | 380 | \$5,764 | 60.5% | 34,257 | 5.8 | 522.5 | 132 | 2 | 1.1 | 0.4 | 39 |
| M | 3169 | Other Leather & Allied Product Mfg. | 32.8 | 8 | \$94 | 132.7% | 1,445 | 48.8 | 8,819.0 | 2 | 186 | 9.2 | 6.2 | 71 |
| M | 3364 | Aerospace Product & Parts Mfg. | 12,936.7 | 264 | \$6,652 | 92.9% | 9,041 | 4.1 | 139.8 | 198 | 3 | 0.8 | 0.1 | 80 |
| M | 3312 | Steel Product Mfg. from Purchased Steel | 40 | 5 | \$280 | 38.2% | 2,228 | 25 | 11,149.5 | 3 | 217 | 4.7 | 7.8 | 95.5 |
| M | 3161 | Leather & Hide Tanning & Finishing | 1.5 | 1 | \$49 | 39.2% | 571 | 135.5 | 77,357.6 | 1 | 271 | 25.5 | 54.3 | 137 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 8. Agriculture: Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Lost Days | Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|---------------|--------|--------------|------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Rate | | | | | | | | | |
| 3 Industries Ranked in sector. | 10,613 | 203 | \$5,661,917 | 76.1% | 64,483 | 3.8 | 1 | 1,215.2 | 0 | 0 | 9 | 8 | 0.7 | 0.9 |
| 1151 Support Activities for Crop Production | 1,701 | 48 | \$1,345,733 | 86.4% | 17,969 | 5.6 | 1.5 | 2,113.3 | 4 | 1 | 137 | 55.5 | 1.1 | 1.5 |
| 1133 Logging | 1,932 | 46 | \$2,653,966 | 49.6% | 16,454 | 4.8 | 1.2 | 1,703.7 | 5 | 3 | 173 | 60.5 | 0.9 | 1.2 |
| 1113 Fruit & Tree Nut Farming | 3,697 | 47 | \$613,433 | 95.6% | 10,829 | 2.5 | 0.7 | 585.8 | 11 | 2 | 236 | 58.5 | 0.5 | 0.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 8. Construction: Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------|------------------|--------------|---------------|---------------------|----------------------|----------------------|---------------------------|
| | | | | | | | | | | | all Rate Rank | all Count Rank | all Rate Ratio | Severity Rate Ratio |
| 8 Industries Ranked in sector. | 23,854 | 1,619 | \$87,657,910 | 55.7% | 685,547 | 13.6 | 1 | 5,748.0 | 0 | 0 | 1 | 4 | 2.6 | 4 |
| 2382 Bldg. Equip. Contractors | 5,698 | 587 | \$32,783,363 | 44.3% | 275,633 | 20.6 | 1.5 | 9,674.9 | 1 | 1 | 5 | 1 | 3.9 | 6.8 |
| 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,888 | 227 | \$11,088,824 | 144.6% | 77,538 | 15.7 | 1.2 | 5,370.0 | 2 | 2.5 | 12 | 7.5 | 3 | 3.8 |
| 2361 Resid. Bldg. Construction | 3,835 | 227 | \$10,668,012 | 40.8% | 87,884 | 11.8 | 0.9 | 4,582.9 | 4 | 2.5 | 30 | 7.5 | 2.2 | 3.2 |
| 2383 Bldg. Finishing Contractors | 3,346 | 208 | \$13,404,634 | 40.2% | 103,216 | 12.4 | 0.9 | 6,169.6 | 3 | 4 | 25 | 12 | 2.3 | 4.3 |
| 2389 Other Specialty Trade Contractors | 2,464 | 129 | \$7,208,946 | 49.2% | 61,166 | 10.5 | 0.8 | 4,964.9 | 5 | 5 | 41 | 18 | 2 | 3.5 |
| 2373 Highway, Street, & Bridge Construction | 1,157 | 58 | \$4,072,713 | 33.0% | 22,755 | 10 | 0.7 | 3,932.2 | 6 | 7 | 48 | 44 | 1.9 | 2.8 |
| 2362 Nonresidential Bldg. Construction | 2,463 | 107 | \$5,126,825 | 45.6% | 32,712 | 8.7 | 0.6 | 2,656.6 | 8 | 6 | 70 | 21 | 1.6 | 1.9 |
| 2371 Utility System Construction | 1,210 | 55 | \$2,655,877 | 35.7% | 19,833 | 9.1 | 0.7 | 3,277.7 | 7 | 8 | 61 | 46 | 1.7 | 2.3 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 8. Services: Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010. (1-18)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|-------|--------------------|---------------|--------------|------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Aid as %AF | Lost Days | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 35 Industries Ranked in sector. | 182,284 | 3,542 | \$86,049,573 | 66.5% | 919,918 | 3.9 | 1 | 1,009.3 | 0 | 0 | 8 | 2 | 0.7 | 0.7 |
| 8121 Personal Care Svcs. | 1,536 | 105 | \$3,175,959 | 74.9% | 44,845 | 13.7 | 3.5 | 5,839.2 | 4 | 8.5 | 19 | 23 | 2.6 | 4.1 |
| 5617 Svcs. to Bldgs. & Dwellings | 4,318 | 216 | \$4,609,217 | 84.7% | 61,046 | 10 | 2.6 | 2,827.4 | 10 | 5 | 49 | 10 | 1.9 | 2 |
| 5613 Employment Svcs. | 5,796 | 235 | \$3,882,605 | 76.2% | 52,579 | 8.1 | 2.1 | 1,814.4 | 14 | 3 | 83 | 6 | 1.5 | 1.3 |
| 8111 Automotive Repair & Maintenance | 2,659 | 120 | \$5,777,022 | 50.5% | 53,976 | 9 | 2.3 | 4,059.5 | 12 | 7 | 62 | 19 | 1.7 | 2.9 |
| 7223 Special Food Svcs. | 1,127 | 67 | \$1,746,705 | 94.4% | 27,880 | 11.9 | 3.1 | 4,949.1 | 7 | 13 | 29 | 40 | 2.2 | 3.5 |
| 5621 Waste Collection | 775 | 50 | \$545,644 | 116.8% | 4,806 | 12.9 | 3.3 | 1,239.7 | 5 | 17.5 | 20 | 52 | 2.4 | 0.9 |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 98 | \$2,869,108 | 43.9% | 15,046 | 7.2 | 1.8 | 1,098.0 | 17 | 10 | 101 | 26 | 1.3 | 0.8 |
| 7211 Traveler Accommodation | 3,245 | 105 | \$2,855,087 | 69.0% | 36,883 | 6.5 | 1.7 | 2,273.0 | 20 | 8.5 | 113 | 23 | 1.2 | 1.6 |
| 9211 Exec., Legislative, & Other General Govt. Suppc | 13,113 | 380 | \$5,764,172 | 60.5% | 34,257 | 5.8 | 1.5 | 522.5 | 28 | 1 | 132 | 2 | 1.1 | 0.4 |
| 7112 Spectator Sports | 265 | 28 | \$153,372 | 206.4% | 695 | 21.2 | 5.4 | 525.5 | 1 | 31 | 4 | 93.5 | 4 | 0.4 |
| 5311 Lessors of Real Estate | 1,569 | 51 | \$1,777,752 | 53.6% | 18,378 | 6.5 | 1.7 | 2,343.3 | 19 | 16 | 112 | 50 | 1.2 | 1.6 |
| 5313 Activities Related to Real Estate | 2,220 | 67 | \$1,428,543 | 69.9% | 22,059 | 6 | 1.6 | 1,987.5 | 25 | 13 | 126 | 40 | 1.1 | 1.4 |
| 9231 Administration of Human Resource Programs | 1,528 | 48 | \$1,455,457 | 55.1% | 8,379 | 6.3 | 1.6 | 1,096.7 | 22 | 19.5 | 118 | 55.5 | 1.2 | 0.8 |
| 7221 Full-Service Restaurants | 9,996 | 222 | \$5,389,259 | 85.8% | 83,543 | 4.4 | 1.1 | 1,671.6 | 43 | 4 | 188 | 9 | 0.8 | 1.2 |
| 5111 Newspaper, Periodical, Book, & Directory Publis | 1,659 | 48 | \$828,563 | 76.3% | 9,077 | 5.8 | 1.5 | 1,094.4 | 29 | 19.5 | 133 | 55.5 | 1.1 | 0.8 |
| 8123 Drycleaning & Laundry Svcs. | 647 | 26 | \$602,791 | 93.2% | 10,784 | 8 | 2.1 | 3,333.9 | 15 | 33.5 | 87 | 99.5 | 1.5 | 2.3 |
| 8129 Other Personal Svcs. | 1,813 | 50 | \$1,642,685 | 55.6% | 23,204 | 5.5 | 1.4 | 2,559.2 | 33 | 17.5 | 143 | 52 | 1 | 1.8 |
| 7224 Drinking Places (Alcoholic Beverages) | 1,357 | 39 | \$910,305 | 89.5% | 16,437 | 5.7 | 1.5 | 2,422.1 | 30 | 22 | 135 | 74.5 | 1.1 | 1.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 8. Services: Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010. (19-35)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|-------|--------------------|---------------|--------------|------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Aid as %AF | Lost Days | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 35 Industries Ranked in sector. | 182,284 | 3,542 | \$86,049,573 | 66.5% | 919,918 | 3.9 | 1 | 1,009.3 | 0 | 0 | 8 | 2 | 0.7 | 0.7 |
| 7222 Limited-Service Eating Places | 14,447 | 253 | \$5,440,386 | 75.4% | 74,897 | 3.5 | 0.9 | 1,036.9 | 51 | 2 | 216 | 5 | 0.7 | 0.7 |
| 5614 Business Support Svcs. | 3,372 | 75 | \$2,490,590 | 67.2% | 27,216 | 4.4 | 1.1 | 1,614.4 | 42 | 11 | 187 | 33.5 | 0.8 | 1.1 |
| 5619 Other Support Svcs. | 807 | 26 | \$566,091 | 52.1% | 4,778 | 6.4 | 1.7 | 1,184.6 | 21 | 33.5 | 114 | 99.5 | 1.2 | 0.8 |
| 5611 Office Administrative Svcs. | 1,091 | 32 | \$582,446 | 75.3% | 6,507 | 5.9 | 1.5 | 1,193.3 | 27 | 29.5 | 131 | 89 | 1.1 | 0.8 |
| 5416 Management, Scientific, & Technical Consulting | 4,187 | 67 | \$2,313,996 | 67.8% | 27,616 | 3.2 | 0.8 | 1,319.0 | 52 | 13 | 221 | 40 | 0.6 | 0.9 |
| 5629 Remediation & Other Waste Management Svcs. | 1,915 | 38 | \$1,211,437 | 41.1% | 5,314 | 4 | 1 | 555 | 47 | 23.5 | 202 | 77 | 0.7 | 0.4 |
| 6111 Elementary & Secondary Schools | 17,502 | 203 | \$1,687,699 | 116.8% | 7,193 | 2.3 | 0.6 | 82.2 | 67 | 6 | 243 | 13.5 | 0.4 | 0.1 |
| 7139 Other Amusement & Recreation Industries | 2,407 | 37 | \$1,380,486 | 64.5% | 14,392 | 3.1 | 0.8 | 1,195.6 | 53 | 25 | 223 | 79 | 0.6 | 0.8 |
| 5419 Other Professional, Scientific, & Technical Svcs. | 2,365 | 33 | \$319,669 | 133.5% | 5,139 | 2.8 | 0.7 | 434.6 | 57 | 28 | 230 | 86.5 | 0.5 | 0.3 |
| 5413 Architectural, Engineering, & Related Svcs. | 5,256 | 54 | \$1,513,094 | 49.8% | 11,454 | 2.1 | 0.5 | 435.8 | 72 | 15 | 250 | 47 | 0.4 | 0.3 |
| 5412 Accounting, Tax Preparation, Bookkeeping, & Payroll Svcs. | 2,303 | 32 | \$563,037 | 87.1% | 6,681 | 2.8 | 0.7 | 580.3 | 58 | 29.5 | 231 | 89 | 0.5 | 0.4 |
| 5241 Insurance Carriers | 2,838 | 36 | \$1,046,961 | 61.1% | 12,921 | 2.5 | 0.7 | 910.5 | 62 | 26 | 237 | 80.5 | 0.5 | 0.6 |
| 5242 Agencies, Brokerages, & Other Insurance Related Svcs. | 3,644 | 38 | \$808,574 | 65.9% | 6,804 | 2.1 | 0.5 | 373.5 | 71 | 23.5 | 249 | 77 | 0.4 | 0.3 |
| 6113 Colleges, Universities, & Professional Schools | 4,098 | 40 | \$942,053 | 78.5% | 11,186 | 2 | 0.5 | 546 | 75 | 21 | 257 | 72 | 0.4 | 0.4 |
| 5221 Depository Credit Intermediation | 5,832 | 35 | \$860,177 | 58.8% | 8,589 | 1.2 | 0.3 | 294.6 | 80 | 27 | 266 | 83 | 0.2 | 0.2 |
| 5411 Legal Svcs. | 3,126 | 27 | \$825,984 | 73.0% | 8,970 | 1.7 | 0.4 | 573.9 | 76 | 32 | 259 | 96 | 0.3 | 0.4 |
| 5312 Offices of Real Estate Agents & Brokers | 4,258 | 25 | \$738,773 | 69.4% | 8,185 | 1.2 | 0.3 | 384.4 | 81 | 35 | 267 | 104 | 0.2 | 0.3 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 8. Healthcare: Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|--------------------------------|--------------|------|-------------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 13 Industries Ranked in sector. | 43,091 | 1,032 | \$26,165,802 | 60.9% | 238,779 | 4.8 | 1 | 1,108.3 | 0 | 0 | 7 | 6 | 0.9 | 0.8 |
| 6231 Nursing Care Facilities | 2,842 | 114 | \$1,728,026 | 106.2% | 26,306 | 8 | 1.7 | 1,851.2 | 4 | 2 | 88 | 20 | 1.5 | 1.3 |
| 6212 Offices of Dentists | 2,564 | 82 | \$5,506,285 | 30.5% | 34,382 | 6.4 | 1.3 | 2,681.8 | 6 | 4 | 116 | 29.5 | 1.2 | 1.9 |
| 6243 Vocational Rehabilitation Svcs. | 1,234 | 53 | \$1,618,501 | 49.3% | 15,443 | 8.6 | 1.8 | 2,503.1 | 2 | 8 | 72 | 48 | 1.6 | 1.8 |
| 6233 Community Care Facilities for the Elderly | 2,019 | 73 | \$1,609,756 | 94.4% | 22,727 | 7.2 | 1.5 | 2,250.8 | 5 | 6 | 98 | 35 | 1.4 | 1.6 |
| 6219 Other Ambulatory Health Care Svcs. | 755 | 44 | \$1,009,493 | 47.8% | 5,809 | 11.7 | 2.4 | 1,538.6 | 1 | 11 | 32 | 63.5 | 2.2 | 1.1 |
| 6213 Offices of Other Health Practitioners | 2,022 | 60 | \$1,582,030 | 73.5% | 18,347 | 5.9 | 1.2 | 1,814.8 | 8 | 7 | 129 | 42.5 | 1.1 | 1.3 |
| 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975 | 41 | \$707,803 | 67.1% | 8,636 | 8.4 | 1.8 | 1,771.0 | 3 | 12 | 74 | 69.5 | 1.6 | 1.2 |
| 6221 General Medical & Surgical Hospitals | 12,521 | 210 | \$2,370,165 | 49.4% | 7,644 | 3.4 | 0.7 | 122.1 | 15 | 1 | 220 | 11 | 0.6 | 0.1 |
| 6216 Home Health Care Svcs. | 3,323 | 75 | \$1,961,927 | 72.4% | 24,599 | 4.5 | 0.9 | 1,480.6 | 11 | 5 | 184 | 33.5 | 0.8 | 1 |
| 6211 Offices of Physicians | 6,041 | 104 | \$2,096,796 | 94.2% | 19,104 | 3.4 | 0.7 | 632.5 | 14 | 3 | 218 | 25 | 0.6 | 0.4 |
| 6241 Individual & Family Svcs. | 1,850 | 50 | \$1,976,414 | 58.3% | 17,787 | 5.4 | 1.1 | 1,923.2 | 9 | 9 | 150 | 52 | 1 | 1.4 |
| 6239 Other Resid. Care Facilities | 1,049 | 32 | \$1,189,586 | 60.7% | 13,364 | 6.1 | 1.3 | 2,547.8 | 7 | 13 | 124 | 89 | 1.1 | 1.8 |
| 6214 Outpatient Care Centers | 2,478 | 46 | \$1,267,433 | 57.7% | 12,154 | 3.7 | 0.8 | 981 | 13 | 10 | 210 | 60.5 | 0.7 | 0.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 8. Manufacturing: Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|---|--------------------|-------|--------------------|--------------------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Medical Aid as %AF | | | | | | | | | | |
| 19 Industries Ranked in sector. | 43,386 | 1,413 | \$38,599,557 | 62.7% | 300,727 | 6.5 | 1 | 1,386.3 | 0 | 0 | 3 | 5 | 1.2 | 1 |
| 3222 Converted Paper Product Mfg. | 526 | 40 | \$1,162,465 | 45.0% | 9,007 | 15.2 | 2.3 | 3,422.0 | 9 | 10 | 15 | 72 | 2.9 | 2.4 |
| 3219 Other Wood Product Mfg. | 1,385 | 77 | \$1,609,577 | 77.8% | 17,424 | 11.1 | 1.7 | 2,515.9 | 19 | 2 | 37 | 32 | 2.1 | 1.8 |
| 3323 Architectural & Structural Metals Mfg. | 1,107 | 57 | \$1,631,879 | 53.1% | 11,477 | 10.3 | 1.6 | 2,073.0 | 22 | 3 | 43 | 45 | 1.9 | 1.5 |
| 3315 Foundries | 424 | 30 | \$975,853 | 58.0% | 8,359 | 14.2 | 2.2 | 3,945.1 | 10 | 16 | 17 | 92 | 2.7 | 2.8 |
| 3116 Animal Slaughtering & Processing | 954 | 48 | \$1,055,430 | 105.1% | 12,725 | 10.1 | 1.5 | 2,666.6 | 24 | 4 | 47 | 55.5 | 1.9 | 1.9 |
| 3117 Seafood Product Preparation & Packaging | 564 | 33 | \$1,062,394 | 53.7% | 12,510 | 11.7 | 1.8 | 4,434.2 | 15 | 15 | 31 | 86.5 | 2.2 | 3.1 |
| 3211 Sawmills & Wood Preservation | 851 | 43 | \$2,017,847 | 28.7% | 9,708 | 10.1 | 1.6 | 2,280.7 | 23 | 7.5 | 44 | 65.5 | 1.9 | 1.6 |
| 3329 Other Fabricated Metal Product Mfg. | 456 | 26 | \$1,021,665 | 52.4% | 9,128 | 11.4 | 1.8 | 4,003.4 | 17 | 17.5 | 34 | 99.5 | 2.1 | 2.8 |
| 3231 Printing & Related Support Activities | 1,002 | 44 | \$1,012,578 | 83.5% | 13,351 | 8.8 | 1.3 | 2,665.3 | 33 | 6 | 66 | 63.5 | 1.7 | 1.9 |
| 3261 Plastics Product Mfg. | 937 | 41 | \$544,569 | 84.6% | 8,172 | 8.8 | 1.3 | 1,744.5 | 35 | 9 | 68 | 69.5 | 1.6 | 1.2 |
| 3118 Bakeries & Tortilla Mfg. | 757 | 35 | \$1,004,332 | 61.2% | 7,814 | 9.2 | 1.4 | 2,064.5 | 30 | 14 | 59 | 83 | 1.7 | 1.4 |
| 3366 Ship & Boat Bldg. | 511 | 25 | \$922,300 | 38.9% | 9,054 | 9.8 | 1.5 | 3,544.6 | 25 | 19 | 50 | 104 | 1.8 | 2.5 |
| 3399 Other Miscellaneous Mfg. | 1,031 | 43 | \$1,933,575 | 52.8% | 19,930 | 8.3 | 1.3 | 3,864.9 | 38 | 7.5 | 75 | 65.5 | 1.6 | 2.7 |
| 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 868 | 38 | \$906,601 | 94.2% | 13,293 | 8.8 | 1.3 | 3,062.3 | 34 | 12 | 67 | 77 | 1.6 | 2.2 |
| 3121 Beverage Mfg. | 1,169 | 39 | \$463,507 | 96.1% | 5,351 | 6.7 | 1 | 915.6 | 48 | 11 | 110 | 74.5 | 1.3 | 0.6 |
| 3114 Fruit & Vegetable Preserving & Specialty Food Mfg. | 1,733 | 45 | \$666,868 | 82.8% | 6,515 | 5.2 | 0.8 | 752 | 57 | 5 | 160 | 62 | 1 | 0.5 |
| 3273 Cement & Concrete Product Mfg. | 797 | 26 | \$136,524 | 144.8% | 623 | 6.5 | 1 | 156.3 | 49 | 17.5 | 111 | 99.5 | 1.2 | 0.1 |
| 3221 Pulp, Paper, & Paperboard Mills | 1,323 | 36 | \$1,222,172 | 66.6% | 2,043 | 5.4 | 0.8 | 308.9 | 54 | 13 | 147 | 80.5 | 1 | 0.2 |
| 3364 Aerospace Product & Parts Mfg. | 12,937 | 264 | \$6,651,915 | 92.9% | 9,041 | 4.1 | 0.6 | 139.8 | 67 | 1 | 198 | 3 | 0.8 | 0.1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 8. Trade: Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | | Rate | Severity Ratio | Rate | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|--------------------------|--------------|------|-------------------|---------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Medical Aid as %AF | Lost Days | | | | | | | | | |
| 21 Industries Ranked in sector. | 71,537 | 1,895 | \$44,642,096 | 66.8% | 461,102 | 5.3 | 1 | 1,289.1 | 0 | 0 | 6 | 3 | 1 | 0.9 |
| 4244 Grocery & Related Product Merchant Wholesalers | 5,032 | 203 | \$4,111,963 | 82.6% | 44,046 | 8.1 | 1.5 | 1,750.8 | 2 | 2 | 85 | 13.5 | 1.5 | 1.2 |
| 4451 Grocery Stores | 6,804 | 258 | \$4,147,571 | 71.4% | 34,555 | 7.6 | 1.4 | 1,015.7 | 5 | 1 | 92 | 4 | 1.4 | 0.7 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 1,959 | 79 | \$3,042,006 | 64.2% | 31,974 | 8.1 | 1.5 | 3,263.9 | 3 | 7 | 86 | 31 | 1.5 | 2.3 |
| 4539 Other Miscellaneous Store Retailers | 3,874 | 130 | \$2,980,184 | 69.9% | 34,370 | 6.7 | 1.3 | 1,774.2 | 11 | 4 | 108 | 17 | 1.3 | 1.2 |
| 4233 Lumber & Other Construction Materials Merchant Wholesalers | 1,268 | 47 | \$1,181,467 | 83.2% | 16,501 | 7.4 | 1.4 | 2,602.1 | 6 | 11 | 96 | 58.5 | 1.4 | 1.8 |
| 4529 Other General Merchandise Stores | 2,326 | 71 | \$1,024,813 | 70.2% | 9,633 | 6.1 | 1.2 | 828.5 | 13 | 9 | 123 | 37 | 1.1 | 0.6 |
| 4441 Bldg. Material & Supplies Dealers | 3,806 | 105 | \$2,835,466 | 60.1% | 28,917 | 5.5 | 1 | 1,519.6 | 18 | 5 | 141 | 23 | 1 | 1.1 |
| 4471 Gasoline Stations | 1,999 | 60 | \$899,146 | 122.2% | 12,855 | 6 | 1.1 | 1,285.9 | 15 | 10 | 128 | 42.5 | 1.1 | 0.9 |
| 4239 Miscellaneous Durable Goods Merchant Wholesalers | 1,002 | 34 | \$919,357 | 56.0% | 7,603 | 6.8 | 1.3 | 1,518.3 | 10 | 15 | 106 | 85 | 1.3 | 1.1 |
| 4231 Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers | 886 | 31 | \$724,052 | 72.6% | 6,922 | 7 | 1.3 | 1,562.2 | 9 | 16 | 105 | 91 | 1.3 | 1.1 |
| 4248 Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 685 | 25 | \$560,022 | 91.9% | 7,921 | 7.3 | 1.4 | 2,311.6 | 7 | 20.5 | 97 | 104 | 1.4 | 1.6 |
| 4452 Specialty Food Stores | 708 | 25 | \$1,026,745 | 52.0% | 10,747 | 7.1 | 1.3 | 3,034.1 | 8 | 20.5 | 102 | 104 | 1.3 | 2.1 |
| 4238 Machinery, Equip., & Supplies Merchant Wholesalers | 2,661 | 72 | \$2,345,165 | 59.6% | 24,061 | 5.4 | 1 | 1,808.5 | 21 | 8 | 149 | 36 | 1 | 1.3 |
| 4532 Office Supplies, Stationery, & Gift Stores | 937 | 27 | \$524,779 | 92.6% | 7,850 | 5.8 | 1.1 | 1,675.1 | 16 | 18.5 | 134 | 96 | 1.1 | 1.2 |
| 4521 Department Stores | 6,902 | 154 | \$527,334 | 273.9% | 790 | 4.5 | 0.8 | 22.9 | 33 | 3 | 186 | 15 | 0.8 | 0 |
| 4411 Automobile Dealers | 4,080 | 93 | \$4,401,588 | 54.0% | 40,894 | 4.6 | 0.9 | 2,004.8 | 31 | 6 | 180 | 27 | 0.9 | 1.4 |
| 4511 Sporting Goods, Hobby, & Musical Instrument Stores | 1,532 | 35 | \$740,463 | 113.9% | 12,019 | 4.6 | 0.9 | 1,569.2 | 30 | 14 | 179 | 83 | 0.9 | 1.1 |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,847 | 40 | \$1,227,847 | 84.0% | 16,345 | 4.3 | 0.8 | 1,770.0 | 34 | 13 | 189 | 72 | 0.8 | 1.2 |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,359 | 42 | \$884,283 | 71.8% | 9,579 | 3.6 | 0.7 | 812.2 | 38 | 12 | 215 | 67.5 | 0.7 | 0.6 |
| 4431 Electronics & Appliance Stores | 2,836 | 28 | \$1,318,858 | 34.6% | 9,508 | 2 | 0.4 | 670.4 | 42 | 17 | 253 | 93.5 | 0.4 | 0.5 |
| 4481 Clothing Stores | 2,882 | 27 | \$688,174 | 47.3% | 7,719 | 1.9 | 0.4 | 535.6 | 45 | 18.5 | 258 | 96 | 0.4 | 0.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 8. Utilities: Washington State All Compensable ELBOW Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Severity Rate | Rate | Severity Rate | Rate | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|---|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------|------------------|------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | Aid as %AF | | | | | | | | | | | |
| 7 Industries Ranked in sector. | 15,825 | 654 | \$13,959,006 | 58.4% | 107,936 | 8.3 | 1 | 1,364.1 | 0 | 0 | 0 | 2 | 7 | 1.6 | 1 |
| 4842 Specialized Freight Trucking | 935 | 69 | \$1,119,391 | 99.1% | 15,114 | 14.8 | 1.8 | 3,231.9 | 2 | 4 | 16 | 38 | 2.8 | 2.3 | |
| 4811 Scheduled Air Transportation | 1,494 | 92 | \$824,865 | 67.8% | 2,523 | 12.3 | 1.5 | 337.6 | 5 | 2 | 26 | 28 | 2.3 | 0.2 | |
| 4841 General Freight Trucking | 2,735 | 131 | \$4,498,874 | 51.4% | 33,934 | 9.6 | 1.2 | 2,481.0 | 10 | 1 | 56 | 16 | 1.8 | 1.7 | |
| 2213 Water, Sewage & Other Systems | 2,199 | 82 | \$1,492,616 | 78.9% | 11,197 | 7.5 | 0.9 | 1,018.3 | 16 | 3 | 93 | 29.5 | 1.4 | 0.7 | |
| 4921 Couriers & Express Delivery Svcs. | 1,287 | 52 | \$369,417 | 346.1% | 266 | 8.1 | 1 | 41.3 | 15 | 5 | 84 | 49 | 1.5 | 0 | |
| 4931 Warehousing & Storage | 970 | 25 | \$564,672 | 70.0% | 7,411 | 5.2 | 0.6 | 1,528.2 | 21 | 7 | 161 | 104 | 1 | 1.1 | |
| 2211 Electric Power Generation, Transmission & Distribution | 1,786 | 42 | \$1,179,200 | 29.8% | 4,019 | 4.7 | 0.6 | 450 | 24 | 6 | 174 | 67.5 | 0.9 | 0.3 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|--------|-----------------|-----------------------|-----------|------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| All | 294 | 390,591 | 29,859 | \$639,367,532 | 57.3% | 5,067,773 | 15.3 | 2,594.9 | 7 | 1 | 1 | 1 |
| Construction | 10 | 23,854 | 3,660 | \$171,199,799 | 45.0% | 1,264,536 | 30.7 | 10,602.5 | 1 | 5 | 2 | 4.1 |
| Manufacturing | 83 | 43,386 | 4,757 | \$92,200,131 | 62.4% | 553,807 | 21.9 | 2,552.9 | 2 | 4 | 1.4 | 1 |
| Trade | 46 | 71,537 | 5,662 | \$91,568,303 | 66.0% | 816,491 | 15.8 | 2,282.7 | 6 | 3 | 1 | 0.9 |
| Transportation & Utilities | 27 | 15,825 | 1,567 | \$29,673,844 | 52.5% | 181,402 | 19.8 | 2,292.6 | 3 | 7 | 1.3 | 0.9 |
| Services | 93 | 182,284 | 10,085 | \$183,437,765 | 64.1% | 1,699,826 | 11.1 | 1,865.0 | 8 | 2 | 0.7 | 0.7 |
| Health Care | 17 | 43,091 | 3,577 | \$58,263,453 | 61.3% | 446,115 | 16.6 | 2,070.6 | 5 | 6 | 1.1 | 0.8 |
| Mining | 3 | 541 | 49 | \$2,140,146 | 33.8% | 7,532 | 18.1 | 2,786.3 | 4 | 9 | 1.2 | 1.1 |
| Agriculture | 15 | 10,613 | 502 | \$10,884,090 | 60.6% | 98,064 | 9.5 | 1,848.0 | 9 | 8 | 0.6 | 0.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Top 25: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (294 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF Medical Aid as %AF | Lost Days | Severity Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio | Over-all PI Rank |
|-----------|--|-----------------|-------|--------------------------|-----------------------|-----------|---------------|---------------|--------------------|---------------------|---------------------|-----------------------------|------------------|
| C | 2382 Bldg. Equip. Contractors | 5,697.9 | 1,819 | \$91,311 | 36.9% | 705,855 | 63.8 | 24,776.0 | 5 | 1 | 4.2 | 9.5 | 1 |
| T | 4451 Grocery Stores | 6,804.5 | 1,240 | \$12,594 | 69.2% | 71,543 | 36.4 | 2,102.8 | 12 | 5 | 2.4 | 0.8 | 2 |
| S | 8121 Personal Care Svcs. | 1,536.0 | 305 | \$5,389 | 81.3% | 82,830 | 39.7 | 10,785.2 | 9 | 17 | 2.6 | 4.2 | 3 |
| U | 4811 Scheduled Air Transportation | 1,494.5 | 270 | \$2,711 | 65.4% | 4,831 | 36.1 | 646.5 | 13 | 21 | 2.4 | 0.2 | 4 |
| M | 3116 Animal Slaughtering & Processing | 954.4 | 199 | \$2,482 | 101.3% | 20,291 | 41.7 | 4,252.0 | 8 | 32 | 2.7 | 1.6 | 5 |
| S | 9211 Exec., Legislative, & Other General Govt. Support | 13,113.1 | 1,627 | \$21,188 | 58.9% | 66,864 | 24.8 | 1,019.8 | 42 | 2 | 1.6 | 0.4 | 7 |
| T | 4521 Department Stores | 6,902.2 | 868 | \$5,626 | 141.7% | 5,399 | 25.2 | 156.4 | 38 | 6 | 1.6 | 0.1 | 7 |
| C | 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,887.8 | 392 | \$17,756 | 105.9% | 125,245 | 27.1 | 8,674.0 | 30 | 14 | 1.8 | 3.3 | 7 |
| M | 3364 Aerospace Product & Parts Mfg. | 12,936.7 | 1,511 | \$27,659 | 92.7% | 16,695 | 23.4 | 258.1 | 52 | 3 | 1.5 | 0.1 | 9 |
| M | 3219 Other Wood Product Mfg. | 1,385.1 | 198 | \$4,293 | 66.8% | 31,863 | 28.6 | 4,600.8 | 27 | 33.5 | 1.9 | 1.8 | 10 |
| H | 6212 Offices of Dentists | 2,564.1 | 300 | \$11,502 | 36.0% | 83,683 | 23.4 | 6,527.2 | 51 | 18 | 1.5 | 2.5 | 11 |
| H | 6221 General Medical & Surgical Hospitals | 12,520.6 | 1,340 | \$10,413 | 43.0% | 8,852 | 21.4 | 141.4 | 67 | 4 | 1.4 | 0.1 | 12 |
| M | 3211 Sawmills & Wood Preservation | 851.3 | 131 | \$3,381 | 51.0% | 23,656 | 30.8 | 5,557.4 | 18 | 54.5 | 2 | 2.1 | 13 |
| U | 4921 Couriers & Express Delivery Svcs. | 1,286.7 | 168 | \$1,440 | 54.0% | 1,322 | 26.1 | 205.5 | 34 | 41 | 1.7 | 0.1 | 14.5 |
| H | 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975.3 | 140 | \$1,880 | 65.1% | 14,507 | 28.7 | 2,974.9 | 26 | 49 | 1.9 | 1.1 | 14.5 |
| T | 4244 Grocery & Related Product Merchant Wholesalers | 5,031.5 | 555 | \$8,171 | 82.4% | 78,195 | 22.1 | 3,108.2 | 65 | 11 | 1.4 | 1.2 | 16 |
| S | 8111 Automotive Repair & Maintenance | 2,659.3 | 297 | \$11,119 | 43.6% | 93,261 | 22.3 | 7,014.0 | 62 | 19 | 1.5 | 2.7 | 17 |
| C | 2383 Bldg. Finishing Contractors | 3,346.0 | 355 | \$14,808 | 43.5% | 117,971 | 21.2 | 7,051.5 | 69 | 16 | 1.4 | 2.7 | 18 |
| M | 3221 Pulp, Paper, & Paperboard Mills | 1,322.8 | 161 | \$3,113 | 29.8% | 4,812 | 24.3 | 727.6 | 46 | 44 | 1.6 | 0.3 | 19 |
| S | 5613 Employment Svcs. | 5,795.8 | 578 | \$7,626 | 73.9% | 101,169 | 19.9 | 3,491.1 | 81 | 10 | 1.3 | 1.3 | 20.5 |
| M | 3114 Fruit & Vegetable Preserving & Specialty Food Mfg. | 1,732.7 | 197 | \$2,155 | 85.1% | 11,631 | 22.7 | 1,342.5 | 56 | 35 | 1.5 | 0.5 | 20.5 |
| C | 2361 Resid. Bldg. Construction | 3,835.3 | 385 | \$14,817 | 42.0% | 114,405 | 20.1 | 5,965.9 | 79 | 15 | 1.3 | 2.3 | 22.5 |
| M | 3323 Architectural & Structural Metals Mfg. | 1,107.3 | 137 | \$3,391 | 51.8% | 28,179 | 24.7 | 5,089.7 | 44 | 50 | 1.6 | 2 | 22.5 |
| T | 4529 Other General Merchandise Stores | 2,325.5 | 240 | \$2,643 | 90.7% | 15,105 | 20.6 | 1,299.1 | 73 | 25 | 1.3 | 0.5 | 24 |
| S | 5617 Svcs. to Bldgs. & Dwellings | 4,318.1 | 406 | \$8,873 | 69.2% | 105,211 | 18.8 | 4,873.0 | 86 | 13 | 1.2 | 1.9 | 25 |
| M | 3169 Other Leather & Allied Product Mfg. | 32.8 | 20 | \$177 | 117.9% | 2,650 | 122 | 16,173.2 | 2 | 181 | 8 | 6.2 | 67 |
| M | 3161 Leather & Hide Tanning & Finishing | 1.5 | 3 | \$65 | 60.2% | 917 | 406 | 124,232.9 | 1 | 271 | 26.6 | 47.9 | 126 |
| M | 3122 Tobacco Mfg. | 1.7 | 1 | \$37 | 34.8% | 223 | 118 | 26,372.4 | 3 | 287 | 7.7 | 10.2 | 145 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 9. Agriculture: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate Ratio | Rate | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|---|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------------------|---------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| 4 Industries Ranked in sector. | 10,613 | 502 | \$10,884,090 | 60.6% | 98,064 | 9.5 | 1 | 1,848.0 | 0 | 0 | 9 | 8 | 0.6 | 0.7 |
| 1133 Logging | 1,932 | 177 | \$5,792,541 | 27.7% | 27,825 | 18.3 | 1.9 | 2,881.1 | 3 | 1 | 92 | 39 | 1.2 | 1.1 |
| 1151 Support Activities for Crop Production | 1,701 | 110 | \$1,572,861 | 99.4% | 22,439 | 12.9 | 1.4 | 2,639.1 | 6 | 2 | 155 | 68 | 0.8 | 1 |
| 1114 Greenhouse, Nursery, & Floriculture Production | 504 | 28 | \$378,264 | 141.9% | 6,669 | 11.1 | 1.2 | 2,644.4 | 7 | 4 | 189 | 163 | 0.7 | 1 |
| 1113 Fruit & Tree Nut Farming | 3,697 | 87 | \$1,569,955 | 72.2% | 19,877 | 4.7 | 0.5 | 1,075.3 | 13 | 3 | 267 | 82.5 | 0.3 | 0.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Construction: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate Ratio | Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|---|--------------------|-------|--------------------|--------------------------------|-----------|------|---------------------------|----------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| 9 Industries Ranked in sector. | 23,854 | 3,660 | \$171,199,799 | 45.0% | 1,264,536 | 30.7 | 1 | 10,602.5 | 0 | 0 | 1 | 5 | 2 | 4.1 | |
| 2382 Bldg. Equip. Contractors | 5,698 | 1,819 | \$91,311,213 | 36.9% | 705,855 | 63.8 | 2.1 | 24,776.0 | 1 | 1 | 5 | 1 | 4.2 | 9.5 | |
| 2381 Foundation, Structure, & Bldg. Exterior Contractor | 2,888 | 392 | \$17,756,279 | 105.9% | 125,245 | 27.1 | 0.9 | 8,674.0 | 2 | 2 | 30 | 14 | 1.8 | 3.3 | |
| 2361 Resid. Bldg. Construction | 3,835 | 385 | \$14,817,375 | 42.0% | 114,405 | 20.1 | 0.7 | 5,965.9 | 5 | 3 | 79 | 15 | 1.3 | 2.3 | |
| 2383 Bldg. Finishing Contractors | 3,346 | 355 | \$14,807,843 | 43.5% | 117,971 | 21.2 | 0.7 | 7,051.5 | 4 | 4 | 69 | 16 | 1.4 | 2.7 | |
| 2373 Highway, Street, & Bridge Construction | 1,157 | 128 | \$6,621,115 | 27.6% | 32,983 | 22.1 | 0.7 | 5,699.7 | 3 | 7 | 64 | 56 | 1.4 | 2.2 | |
| 2362 Nonresidential Bldg. Construction | 2,463 | 231 | \$8,675,103 | 40.5% | 50,926 | 18.8 | 0.6 | 4,135.9 | 6 | 5 | 87 | 27 | 1.2 | 1.6 | |
| 2389 Other Specialty Trade Contractors | 2,464 | 205 | \$11,102,198 | 40.6% | 79,817 | 16.6 | 0.5 | 6,478.8 | 7 | 6 | 110 | 31 | 1.1 | 2.5 | |
| 2371 Utility System Construction | 1,210 | 98 | \$4,456,133 | 30.5% | 26,528 | 16.2 | 0.5 | 4,384.1 | 8 | 8 | 117 | 73 | 1.1 | 1.7 | |
| 2379 Other Heavy & Civil Engineering Construction | 471 | 38 | \$1,368,540 | 30.5% | 7,797 | 16.1 | 0.5 | 3,307.5 | 9 | 9 | 119 | 140 | 1.1 | 1.3 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Services: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010. (1-20)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|--------|--------------------|--------------------------|-----------|------|------------------|---------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Medical Aid as %AF | Lost Days | | | | | | | | | |
| 59 Industries Ranked in sector. | 182,284 | 10,085 | \$183,437,765 | 64.1% | 1,699,826 | 11.1 | 1 | 1,865.0 | 0 | 0 | 8 | 2 | 0.7 | 0.7 |
| 9211 Exec., Legislative, & Other General Govt. Support | 13,113 | 1,627 | \$21,188,284 | 58.9% | 66,864 | 24.8 | 2.2 | 1,019.8 | 3 | 1 | 42 | 2 | 1.6 | 0.4 |
| 8121 Personal Care Svcs. | 1,536 | 305 | \$5,389,493 | 81.3% | 82,830 | 39.7 | 3.6 | 10,785.2 | 1 | 7 | 9 | 17 | 2.6 | 4.2 |
| 5613 Employment Svcs. | 5,796 | 578 | \$7,626,495 | 73.9% | 101,169 | 19.9 | 1.8 | 3,491.1 | 11 | 5 | 81 | 10 | 1.3 | 1.3 |
| 8111 Automotive Repair & Maintenance | 2,659 | 297 | \$11,119,024 | 43.6% | 93,261 | 22.3 | 2 | 7,014.0 | 8 | 8 | 62 | 19 | 1.5 | 2.7 |
| 5617 Svcs. to Bldgs. & Dwellings | 4,318 | 406 | \$8,873,238 | 69.2% | 105,211 | 18.8 | 1.7 | 4,873.0 | 13 | 6 | 86 | 13 | 1.2 | 1.9 |
| 7223 Special Food Svcs. | 1,127 | 134 | \$2,501,004 | 95.0% | 40,100 | 23.8 | 2.1 | 7,118.3 | 5 | 17 | 50 | 53 | 1.6 | 2.7 |
| 5629 Remediation & Other Waste Management Svcs. | 1,915 | 189 | \$3,940,780 | 34.3% | 6,180 | 19.7 | 1.8 | 645.4 | 12 | 13 | 82 | 37 | 1.3 | 0.2 |
| 7211 Traveler Accommodation | 3,245 | 284 | \$4,420,476 | 80.1% | 66,044 | 17.5 | 1.6 | 4,070.0 | 17 | 9 | 104 | 20 | 1.1 | 1.6 |
| 9231 Administration of Human Resource Programs | 1,528 | 155 | \$3,841,071 | 52.6% | 23,885 | 20.3 | 1.8 | 3,126.3 | 10 | 16 | 77 | 46.5 | 1.3 | 1.2 |
| 5621 Waste Collection | 775 | 100 | \$1,104,272 | 93.6% | 7,865 | 25.8 | 2.3 | 2,028.7 | 2 | 24 | 37 | 71.5 | 1.7 | 0.8 |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 227 | \$4,252,515 | 51.9% | 25,468 | 16.6 | 1.5 | 1,858.5 | 18 | 10 | 111 | 29 | 1.1 | 0.7 |
| 7221 Full-Service Restaurants | 9,996 | 615 | \$11,478,303 | 76.5% | 165,113 | 12.3 | 1.1 | 3,303.7 | 32 | 4 | 165 | 9 | 0.8 | 1.3 |
| 8123 Drycleaning & Laundry Svcs. | 647 | 74 | \$1,117,710 | 106.4% | 15,388 | 22.9 | 2.1 | 4,757.2 | 6 | 32 | 54 | 95.5 | 1.5 | 1.8 |
| 5311 Lessors of Real Estate | 1,569 | 117 | \$3,113,110 | 55.3% | 30,785 | 14.9 | 1.3 | 3,925.2 | 23 | 22 | 133 | 65 | 1 | 1.5 |
| 5111 Newspaper, Periodical, Book, & Directory Publisher | 1,659 | 120 | \$1,571,019 | 76.7% | 15,475 | 14.5 | 1.3 | 1,865.9 | 26 | 21 | 139 | 63 | 0.9 | 0.7 |
| 8113 Commercial & Industrial Machinery & Equip. (except Automotive & Electronic) Repair & Maintenance | 556 | 57 | \$1,612,645 | 34.4% | 11,038 | 20.5 | 1.9 | 3,973.4 | 9 | 38 | 74 | 110 | 1.3 | 1.5 |
| 6111 Elementary & Secondary Schools | 17,502 | 831 | \$5,130,311 | 84.7% | 8,840 | 9.5 | 0.9 | 101 | 47 | 2 | 207 | 7 | 0.6 | 0 |
| 5614 Business Support Svcs. | 3,372 | 191 | \$6,371,988 | 55.0% | 68,326 | 11.3 | 1 | 4,052.9 | 39 | 12 | 184 | 36 | 0.7 | 1.6 |
| 7222 Limited-Service Eating Places | 14,447 | 637 | \$9,432,756 | 84.1% | 130,953 | 8.8 | 0.8 | 1,812.9 | 50 | 3 | 214 | 8 | 0.6 | 0.7 |
| 9261 Administration of Economic Program | 1,010 | 75 | \$1,991,346 | 51.7% | 13,170 | 14.9 | 1.3 | 2,608.2 | 24 | 31 | 134 | 93.5 | 1 | 1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Services: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010. (21-40)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as | | Rate Lost Days | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|--------------------|-------------------------|-----------|-------------------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | %AF | Lost Days | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 59 Industries Ranked in sector. | 182,284 | 10,085 | \$183,437,765 | 64.1% | 1,699,826 | 11.1 | 1 | 1,865.0 | 0 | 0 | 8 | 2 | 0.7 | 0.7 |
| 5241 Insurance Carriers | 2,838 | 157 | \$4,144,615 | 45.4% | 33,068 | 11.1 | 1 | 2,330.2 | 41 | 15 | 191 | 45 | 0.7 | 0.9 |
| 5251 Insurance & Employee Benefit Funds | 260 | 32 | \$859,842 | 62.6% | 8,383 | 24.6 | 2.2 | 6,446.4 | 4 | 55 | 45 | 156 | 1.6 | 2.5 |
| 7224 Drinking Places (Alcoholic Beverages) | 1,357 | 84 | \$1,478,910 | 82.2% | 25,903 | 12.4 | 1.1 | 3,817.0 | 31 | 29 | 164 | 87 | 0.8 | 1.5 |
| 8114 Personal & Household Goods Repair & Maintenance | 416 | 39 | \$1,404,006 | 46.2% | 12,847 | 18.7 | 1.7 | 6,172.6 | 14 | 47 | 88 | 138 | 1.2 | 2.4 |
| 5242 Agencies, Brokerages, & Other Insurance Related | | | | | | | | | | | | | | |
| Activities | 3,644 | 171 | \$2,875,457 | 62.0% | 20,311 | 9.4 | 0.8 | 1,114.9 | 49 | 14 | 209 | 40 | 0.6 | 0.4 |
| 5191 Other Information Svcs. | 686 | 48 | \$527,923 | 90.7% | 6,557 | 14 | 1.3 | 1,910.5 | 27 | 43 | 142 | 126 | 0.9 | 0.7 |
| 5221 Depository Credit Intermediation | 5,832 | 218 | \$3,684,997 | 63.5% | 34,191 | 7.5 | 0.7 | 1,172.6 | 60 | 11 | 233 | 30 | 0.5 | 0.5 |
| 7132 Gambling Industries | 431 | 34 | \$1,664,754 | 42.6% | 13,758 | 15.8 | 1.4 | 6,381.4 | 21 | 52 | 122 | 150 | 1 | 2.5 |
| 8129 Other Personal Svcs. | 1,813 | 90 | \$1,938,438 | 67.1% | 28,172 | 9.9 | 0.9 | 3,107.1 | 46 | 28 | 200 | 78 | 0.6 | 1.2 |
| 5611 Office Administrative Svcs. | 1,091 | 63 | \$2,590,002 | 48.8% | 24,231 | 11.6 | 1 | 4,443.8 | 38 | 36 | 180 | 104 | 0.8 | 1.7 |
| 9241 Administration of Environmental Quality Programs | 1,017 | 59 | \$1,548,686 | 54.0% | 13,497 | 11.6 | 1 | 2,653.6 | 37 | 37 | 178 | 107 | 0.8 | 1 |
| 5622 Waste Treatment & Disposal | 268 | 25 | \$569,057 | 38.6% | 2,846 | 18.7 | 1.7 | 2,127.4 | 15 | 59 | 90 | 169 | 1.2 | 0.8 |
| 5411 Legal Svcs. | 3,126 | 123 | \$2,704,575 | 64.1% | 21,739 | 7.9 | 0.7 | 1,390.9 | 57 | 19.5 | 228 | 60.5 | 0.5 | 0.5 |
| 5511 Management of Companies & Enterprises | 1,184 | 64 | \$665,377 | 119.0% | 8,249 | 10.8 | 1 | 1,393.7 | 42 | 35 | 193 | 102 | 0.7 | 0.5 |
| 5321 Automotive Equip. Rental & Leasing | 515 | 36 | \$553,389 | 81.3% | 7,298 | 14 | 1.3 | 2,834.9 | 28 | 49.5 | 143 | 146 | 0.9 | 1.1 |
| 5313 Activities Related to Real Estate | 2,220 | 95 | \$1,760,650 | 76.3% | 21,344 | 8.6 | 0.8 | 1,923.1 | 52 | 26 | 219 | 75 | 0.6 | 0.7 |
| 7139 Other Amusement & Recreation Industries | 2,407 | 96 | \$1,396,966 | 94.1% | 16,460 | 8 | 0.7 | 1,367.4 | 55 | 25 | 225 | 74 | 0.5 | 0.5 |
| 5419 Other Professional, Scientific, & Technical Svcs. | 2,365 | 91 | \$1,092,553 | 108.1% | 14,418 | 7.7 | 0.7 | 1,219.4 | 58 | 27 | 229 | 76 | 0.5 | 0.5 |
| 5416 Management, Scientific, & Technical Consulting Svcs. | 4,187 | 131 | \$3,840,349 | 62.8% | 38,933 | 6.3 | 0.6 | 1,859.6 | 68 | 18 | 249 | 54.5 | 0.4 | 0.7 |
| 6112 Junior Colleges | 1,122 | 53 | \$793,701 | 61.9% | 6,586 | 9.4 | 0.9 | 1,173.6 | 48 | 39.5 | 208 | 116 | 0.6 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Services: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010. (41-59)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|--------------------|--------------------------------|-----------|------|---------------|------------------|--------------|---------------|-------|-------|-------|----------|
| | | | | | | | | | | | all | all | all | Severity |
| | | | | | | | | | | | Rate | Count | Rate | Rate |
| 59 Industries Ranked in sector. | 182,284 | 10,085 | \$183,437,765 | 64.1% | 1,699,826 | 11.1 | 1 | 1,865.0 | 0 | 0 | 8 | 2 | 0.7 | 0.7 |
| 5171 Wired Telecommunications Carriers | 452 | 27 | \$427,514 | 59.7% | 1,061 | 11.9 | 1.1 | 469.3 | 34 | 57.5 | 173 | 166 | 0.8 | 0.2 |
| 5172 Wireless Telecommunications Carriers (except Satellite) | 1,801 | 69 | \$748,052 | 262.0% | 181 | 7.7 | 0.7 | 20.1 | 59 | 33 | 230 | 98 | 0.5 | 0 |
| 8134 Civic & Social Organizations | 1,213 | 52 | \$928,639 | 88.2% | 12,678 | 8.6 | 0.8 | 2,089.8 | 51 | 41 | 218 | 119 | 0.6 | 0.8 |
| 5324 Commercial & Industrial Machinery & Equip. Rental & Leasing | 736 | 38 | \$853,248 | 75.5% | 8,038 | 10.3 | 0.9 | 2,183.6 | 44 | 48 | 198 | 140 | 0.7 | 0.8 |
| 6113 Colleges, Universities, & Professional Schools | 4,098 | 112 | \$1,533,964 | 78.5% | 18,583 | 5.5 | 0.5 | 907 | 70 | 23 | 256 | 67 | 0.4 | 0.3 |
| 5412 Accounting, Tax Preparation, Bookkeeping, & Payroll Svcs. | 2,303 | 80 | \$2,028,276 | 66.3% | 21,951 | 6.9 | 0.6 | 1,906.7 | 63 | 30 | 242 | 88 | 0.5 | 0.7 |
| 5413 Architectural, Engineering, & Related Svcs. | 5,256 | 123 | \$3,815,418 | 40.0% | 26,294 | 4.7 | 0.4 | 1,000.5 | 78 | 19.5 | 268 | 60.5 | 0.3 | 0.4 |
| 5619 Other Support Svcs. | 807 | 33 | \$563,782 | 59.4% | 5,754 | 8.2 | 0.7 | 1,426.6 | 54 | 53.5 | 223 | 153 | 0.5 | 0.5 |
| 5182 Data Processing, Hosting, & Related Svcs. | 1,427 | 48 | \$1,588,061 | 44.1% | 9,615 | 6.7 | 0.6 | 1,348.0 | 65 | 43 | 245 | 126 | 0.4 | 0.5 |
| 5615 Travel Arrangement & Reservation Svcs. | 996 | 36 | \$580,494 | 59.9% | 5,872 | 7.2 | 0.7 | 1,178.9 | 61 | 49.5 | 236 | 146 | 0.5 | 0.5 |
| 8133 Social Advocacy Organizations | 653 | 27 | \$251,222 | 113.1% | 4,641 | 8.3 | 0.7 | 1,422.1 | 53 | 57.5 | 222 | 166 | 0.5 | 0.5 |
| 8131 Religious Organizations | 2,780 | 65 | \$742,719 | 71.2% | 6,196 | 4.7 | 0.4 | 445.7 | 79 | 34 | 269 | 101 | 0.3 | 0.2 |
| 8139 Business, Professional, Labor, Political, & Similar Organizations | 1,163 | 35 | \$941,779 | 55.5% | 10,471 | 6 | 0.5 | 1,801.4 | 69 | 51 | 252 | 149 | 0.4 | 0.7 |
| 5616 Investigation & Security Svcs. | 1,679 | 42 | \$716,313 | 73.1% | 5,768 | 5 | 0.5 | 687.2 | 75 | 46 | 264 | 136 | 0.3 | 0.3 |
| 5415 Computer Systems Design & Related Svcs. | 3,972 | 53 | \$2,130,086 | 34.8% | 14,946 | 2.7 | 0.2 | 752.5 | 88 | 39.5 | 285 | 116 | 0.2 | 0.3 |
| 5417 Scientific Research & Development Svcs. | 1,764 | 33 | \$703,899 | 79.8% | 7,154 | 3.7 | 0.3 | 811.1 | 81 | 53.5 | 274 | 153 | 0.2 | 0.3 |
| 5112 Software Publishers | 6,234 | 48 | \$1,443,500 | 29.4% | 4,607 | 1.5 | 0.1 | 147.8 | 92 | 43 | 290 | 126 | 0.1 | 0.1 |
| 5312 Offices of Real Estate Agents & Brokers | 4,258 | 44 | \$682,195 | 84.9% | 7,205 | 2.1 | 0.2 | 338.4 | 90 | 45 | 288 | 131 | 0.1 | 0.1 |
| 5222 Nondepository Credit Intermediation | 1,464 | 31 | \$532,603 | 60.4% | 5,702 | 4.2 | 0.4 | 779.1 | 80 | 56 | 270 | 158 | 0.3 | 0.3 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Healthcare: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|---------------|--------------|------|-------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 15 Industries Ranked in sector. | 43,091 | 3,577 | \$58,263,453 | 61.3% | 446,115 | 16.6 | 1 | 2,070.6 | 0 | 0 | 5 | 6 | 1.1 | 0.8 |
| 6221 General Medical & Surgical Hospitals | 12,521 | 1,340 | \$10,412,642 | 43.0% | 8,852 | 21.4 | 1.3 | 141.4 | 3 | 1 | 67 | 4 | 1.4 | 0.1 |
| 6212 Offices of Dentists | 2,564 | 300 | \$11,502,386 | 36.0% | 83,683 | 23.4 | 1.4 | 6,527.2 | 2 | 3 | 51 | 18 | 1.5 | 2.5 |
| 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975 | 140 | \$1,879,887 | 65.1% | 14,507 | 28.7 | 1.7 | 2,974.9 | 1 | 7 | 26 | 49 | 1.9 | 1.1 |
| 6231 Nursing Care Facilities | 2,842 | 268 | \$3,088,105 | 91.1% | 40,080 | 18.9 | 1.1 | 2,820.5 | 6 | 4 | 85 | 22 | 1.2 | 1.1 |
| 6211 Offices of Physicians | 6,041 | 452 | \$7,879,557 | 75.8% | 46,378 | 15 | 0.9 | 1,535.4 | 9 | 2 | 132 | 12 | 1 | 0.6 |
| 6233 Community Care Facilities for the Elderly | 2,019 | 167 | \$2,842,076 | 84.4% | 40,773 | 16.5 | 1 | 4,038.0 | 7 | 5 | 112 | 42 | 1.1 | 1.6 |
| 6243 Vocational Rehabilitation Svcs. | 1,234 | 124 | \$2,805,043 | 46.7% | 24,612 | 20.1 | 1.2 | 3,989.3 | 5 | 9 | 78 | 58 | 1.3 | 1.5 |
| 6219 Other Ambulatory Health Care Svcs. | 755 | 79 | \$1,473,900 | 58.2% | 8,198 | 20.9 | 1.3 | 2,171.4 | 4 | 12 | 71 | 89 | 1.4 | 0.8 |
| 6214 Outpatient Care Centers | 2,478 | 163 | \$3,036,642 | 67.4% | 28,265 | 13.2 | 0.8 | 2,281.4 | 12 | 6 | 153 | 43 | 0.9 | 0.9 |
| 6213 Offices of Other Health Practitioners | 2,022 | 135 | \$3,581,453 | 66.5% | 39,489 | 13.4 | 0.8 | 3,906.1 | 11 | 8 | 150 | 52 | 0.9 | 1.5 |
| 6215 Medical & Diagnostic Laboratories | 719 | 55 | \$1,469,477 | 63.8% | 13,091 | 15.3 | 0.9 | 3,641.0 | 8 | 14 | 126 | 113 | 1 | 1.4 |
| 6239 Other Resid. Care Facilities | 1,049 | 76 | \$1,432,940 | 75.2% | 19,251 | 14.5 | 0.9 | 3,670.2 | 10 | 13 | 137 | 91.5 | 0.9 | 1.4 |
| 6216 Home Health Care Svcs. | 3,323 | 123 | \$3,259,845 | 70.4% | 40,040 | 7.4 | 0.4 | 2,410.0 | 15 | 10 | 234 | 60.5 | 0.5 | 0.9 |
| 6241 Individual & Family Svcs. | 1,850 | 90 | \$2,341,700 | 65.4% | 23,747 | 9.7 | 0.6 | 2,567.6 | 14 | 11 | 203 | 78 | 0.6 | 1 |
| 6244 Child Day Care Svcs. | 2,041 | 39 | \$842,840 | 74.6% | 11,424 | 3.8 | 0.2 | 1,119.3 | 17 | 15 | 272 | 138 | 0.2 | 0.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Manufacturing: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010. (1-18)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|--------------------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Medical Aid as %AF | Lost Days | | | | | | | | | |
| 36 Industries Ranked in sector. | 43,386 | 4,757 | \$92,200,131 | 62.4% | 553,807 | 21.9 | 1 | 2,552.9 | 0 | 0 | 2 | 4 | 1.4 | 1 |
| 3116 Animal Slaughtering & Processing | 954 | 199 | \$2,481,942 | 101.3% | 20,291 | 41.7 | 1.9 | 4,252.0 | 6 | 2 | 8 | 32 | 2.7 | 1.6 |
| 3211 Sawmills & Wood Preservation | 851 | 131 | \$3,380,984 | 51.0% | 23,656 | 30.8 | 1.4 | 5,557.4 | 12 | 7 | 18 | 54.5 | 2 | 2.1 |
| 3219 Other Wood Product Mfg. | 1,385 | 198 | \$4,293,050 | 66.8% | 31,863 | 28.6 | 1.3 | 4,600.8 | 18 | 3 | 27 | 33.5 | 1.9 | 1.8 |
| 3117 Seafood Product Preparation & Packaging | 564 | 85 | \$1,929,518 | 59.6% | 23,051 | 30.1 | 1.4 | 8,170.5 | 15 | 15 | 21 | 85.5 | 2 | 3.1 |
| 3351 Electric Lighting Equip. Mfg. | 138 | 38 | \$575,789 | 32.0% | 2,265 | 55.1 | 2.5 | 3,283.8 | 4 | 27 | 6 | 140 | 3.6 | 1.3 |
| 3222 Converted Paper Product Mfg. | 526 | 76 | \$1,315,190 | 49.7% | 13,123 | 28.9 | 1.3 | 4,985.8 | 17 | 16 | 24 | 91.5 | 1.9 | 1.9 |
| 3364 Aerospace Product & Parts Mfg. | 12,937 | 1,511 | \$27,659,437 | 92.7% | 16,695 | 23.4 | 1.1 | 258.1 | 33 | 1 | 52 | 3 | 1.5 | 0.1 |
| 3221 Pulp, Paper, & Paperboard Mills | 1,323 | 161 | \$3,112,670 | 29.8% | 4,812 | 24.3 | 1.1 | 727.6 | 29 | 5 | 46 | 44 | 1.6 | 0.3 |
| 3323 Architectural & Structural Metals Mfg. | 1,107 | 137 | \$3,391,062 | 51.8% | 28,179 | 24.7 | 1.1 | 5,089.7 | 28 | 6 | 44 | 50 | 1.6 | 2 |
| 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 868 | 109 | \$2,081,798 | 89.7% | 28,063 | 25.1 | 1.1 | 6,464.9 | 26 | 10 | 40 | 69 | 1.6 | 2.5 |
| 3115 Dairy Product Mfg. | 180 | 33 | \$1,235,007 | 16.4% | 4,781 | 36.7 | 1.7 | 5,321.6 | 7 | 31.5 | 10 | 153 | 2.4 | 2.1 |
| 3114 Fruit & Vegetable Preserving & Specialty Food Mfg. | 1,733 | 197 | \$2,155,252 | 85.1% | 11,631 | 22.7 | 1 | 1,342.5 | 35 | 4 | 56 | 35 | 1.5 | 0.5 |
| 3261 Plastics Product Mfg. | 937 | 114 | \$2,048,948 | 75.5% | 23,100 | 24.3 | 1.1 | 4,931.2 | 30 | 9 | 47 | 66 | 1.6 | 1.9 |
| 3315 Foundries | 424 | 60 | \$1,340,226 | 59.7% | 12,003 | 28.3 | 1.3 | 5,664.9 | 19 | 20 | 28 | 106 | 1.9 | 2.2 |
| 3339 Other General Purpose Machinery Mfg. | 1,104 | 127 | \$1,179,938 | 99.9% | 5,042 | 23 | 1 | 913.2 | 34 | 8 | 53 | 57 | 1.5 | 0.4 |
| 3272 Glass & Glass Product Mfg. | 388 | 51 | \$642,143 | 109.0% | 7,011 | 26.3 | 1.2 | 3,612.9 | 23 | 22.5 | 33 | 122 | 1.7 | 1.4 |
| 3324 Boiler, Tank, & Shipping Container Mfg. | 175 | 28 | \$771,628 | 60.8% | 7,106 | 32 | 1.5 | 8,116.7 | 11 | 35 | 17 | 163 | 2.1 | 3.1 |
| 3149 Other Textile Product Mills | 182 | 28 | \$745,873 | 45.5% | 6,161 | 30.7 | 1.4 | 6,751.9 | 13 | 35 | 19 | 163 | 2 | 2.6 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Manufacturing: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010. (19-36)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|---|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 36 Industries Ranked in sector. | 43,386 | 4,757 | \$92,200,131 | 62.4% | 553,807 | 21.9 | 1 | 2,552.9 | 0 | 0 | 2 | 4 | 1.4 | 1 |
| 3118 Bakeries & Tortilla Mfg. | 757 | 86 | \$2,140,798 | 70.0% | 17,043 | 22.7 | 1 | 4,502.8 | 36 | 14 | 57 | 84 | 1.5 | 1.7 |
| 3366 Ship & Boat Bldg. | 511 | 62 | \$1,771,743 | 52.2% | 16,209 | 24.3 | 1.1 | 6,345.7 | 31 | 19 | 48 | 105 | 1.6 | 2.4 |
| 3313 Alumina & Aluminum Production & Processing | 358 | 45 | \$331,334 | 198.5% | 271 | 25.1 | 1.1 | 151.4 | 25 | 25.5 | 39 | 129 | 1.6 | 0.1 |
| 3334 Ventilation, Heating, Air-Conditioning, & Commercial Refrigeration Equip. Mfg. | 188 | 28 | \$617,967 | 54.8% | 4,622 | 29.8 | 1.4 | 4,915.6 | 16 | 35 | 22 | 163 | 1.9 | 1.9 |
| 3399 Other Miscellaneous Mfg. | 1,031 | 100 | \$1,967,366 | 72.60% | 22,634 | 19.4 | 0.9 | 4,389.3 | 46 | 11 | 84 | 71.5 | 1.3 | 1.7 |
| 3372 Office Furniture (including Fixtures) Mfg. | 267 | 33 | \$1,907,902 | 34.7% | 13,100 | 24.8 | 1.1 | 9,825.1 | 27 | 31.5 | 43 | 153 | 1.6 | 3.8 |
| 3329 Other Fabricated Metal Product Mfg. | 456 | 51 | \$1,519,552 | 53.5% | 14,404 | 22.4 | 1 | 6,317.4 | 38 | 22.5 | 60 | 122 | 1.5 | 2.4 |
| 3212 Veneer, Plywood, & Engineered Wood Product Mfg. | 488 | 52 | \$667,920 | 76.2% | 7,570 | 21.3 | 1 | 3,105.5 | 41 | 21 | 68 | 119 | 1.4 | 1.2 |
| 3231 Printing & Related Support Activities | 1,002 | 89 | \$1,918,073 | 71.6% | 23,569 | 17.8 | 0.8 | 4,705.1 | 50 | 12.5 | 100 | 80.5 | 1.2 | 1.8 |
| 3273 Cement & Concrete Product Mfg. | 797 | 72 | \$578,359 | 84.7% | 3,370 | 18.1 | 0.8 | 845.5 | 48 | 17 | 97 | 97 | 1.2 | 0.3 |
| 3332 Industrial Machinery Mfg. | 442 | 45 | \$509,072 | 99.7% | 4,477 | 20.4 | 0.9 | 2,027.0 | 44 | 25.5 | 75 | 129 | 1.3 | 0.8 |
| 3121 Beverage Mfg. | 1,169 | 89 | \$765,751 | 95.1% | 7,382 | 15.2 | 0.7 | 1,263.1 | 60 | 12.5 | 129 | 80.5 | 1 | 0.5 |
| 3391 Medical Equip. & Supplies Mfg. | 396 | 36 | \$610,579 | 73.8% | 8,820 | 18.2 | 0.8 | 4,458.9 | 47 | 29 | 93 | 146 | 1.2 | 1.7 |
| 3119 Other Food Mfg. | 441 | 37 | \$587,591 | 36.1% | 4,255 | 16.8 | 0.8 | 1,928.8 | 55 | 28 | 109 | 143 | 1.1 | 0.7 |
| 3327 Machine Shops; Turned Product; & Screw, Nut, & Bolt Mfg. | 409 | 35 | \$924,333 | 66.0% | 11,148 | 17.1 | 0.8 | 5,450.9 | 53 | 30 | 106 | 149 | 1.1 | 2.1 |
| 3345 Navigational, Measuring, Electromedical, & Control Instruments Mfg. | 1,373 | 68 | \$899,995 | 53.7% | 4,747 | 9.9 | 0.5 | 691.7 | 74 | 18 | 201 | 99 | 0.6 | 0.3 |
| 3344 Semiconductor & Other Electronic Component Mfg. | 878 | 49 | \$843,765 | 78.1% | 10,600 | 11.2 | 0.5 | 2,415.8 | 71 | 24 | 188 | 123 | 0.7 | 0.9 |
| 3361 Motor Vehicle Mfg. | 442 | 30 | \$306,322 | . | 0 | 13.6 | 0.6 | 0 | 63 | 33 | 147 | 159 | 0.9 | 0 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Trade: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010. (1-17)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | | Rate Rate | Severity Rate | Rate Ratio | Count Rank | Rate Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|---------------|---------------|--------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 33 Industries Ranked in sector. | 71,537 | 5,662 | \$91,568,303 | 66.0% | 816,491 | 15.8 | 1 | 2,282.7 | 0 | 0 | 6 | 3 | 1 | 0.9 |
| 4451 Grocery Stores | 6,804 | 1,240 | \$12,594,192 | 69.2% | 71,543 | 36.4 | 2.3 | 2,102.8 | 1 | 1 | 12 | 5 | 2.4 | 0.8 |
| 4521 Department Stores | 6,902 | 868 | \$5,626,325 | 141.7% | 5,399 | 25.2 | 1.6 | 156.4 | 2 | 2 | 38 | 6 | 1.6 | 0.1 |
| 4244 Grocery & Related Product Merchant Wholesalers | 5,032 | 555 | \$8,171,130 | 82.4% | 78,195 | 22.1 | 1.4 | 3,108.2 | 4 | 3 | 65 | 11 | 1.4 | 1.2 |
| 4529 Other General Merchandise Stores | 2,326 | 240 | \$2,642,986 | 90.7% | 15,105 | 20.6 | 1.3 | 1,299.1 | 5 | 5 | 73 | 25 | 1.3 | 0.5 |
| 4471 Gasoline Stations | 1,999 | 155 | \$2,842,486 | 81.2% | 36,388 | 15.5 | 1 | 3,639.9 | 8 | 8 | 124 | 46.5 | 1 | 1.4 |
| 4233 Lumber & Other Construction Materials Merchant Wholesalers | 1,268 | 101 | \$1,734,972 | 85.7% | 23,379 | 15.9 | 1 | 3,686.7 | 6 | 13 | 121 | 70 | 1 | 1.4 |
| 4539 Other Miscellaneous Store Retailers | 3,874 | 245 | \$6,811,568 | 59.3% | 72,573 | 12.6 | 0.8 | 3,746.2 | 17 | 4 | 161 | 24 | 0.8 | 1.4 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 1,959 | 136 | \$4,788,951 | 67.9% | 58,287 | 13.9 | 0.9 | 5,950.0 | 12 | 10 | 144 | 51 | 0.9 | 2.3 |
| 4441 Bldg. Material & Supplies Dealers | 3,806 | 234 | \$4,213,093 | 62.6% | 35,593 | 12.3 | 0.8 | 1,870.4 | 20 | 6 | 166 | 26 | 0.8 | 0.7 |
| 4239 Miscellaneous Durable Goods Merchant Wholesalers | 1,002 | 75 | \$1,315,335 | 60.2% | 11,033 | 15 | 0.9 | 2,203.2 | 10 | 17 | 131 | 93.5 | 1 | 0.8 |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,847 | 118 | \$1,853,535 | 95.7% | 21,845 | 12.8 | 0.8 | 2,365.6 | 16 | 12 | 159 | 64 | 0.8 | 0.9 |
| 4452 Specialty Food Stores | 708 | 54 | \$2,074,340 | 61.1% | 22,698 | 15.2 | 1 | 6,408.1 | 9 | 23 | 128 | 114 | 1 | 2.5 |
| 4411 Automobile Dealers | 4,080 | 230 | \$8,500,635 | 45.2% | 67,718 | 11.3 | 0.7 | 3,319.8 | 26 | 7 | 186 | 28 | 0.7 | 1.3 |
| 4238 Machinery, Equip., & Supplies Merchant Wholesalers | 2,661 | 154 | \$4,156,152 | 53.2% | 37,852 | 11.6 | 0.7 | 2,845.1 | 24 | 9 | 179 | 48 | 0.8 | 1.1 |
| 4533 Used Merchandise Stores | 881 | 57 | \$521,075 | 75.0% | 7,783 | 12.9 | 0.8 | 1,767.5 | 14 | 20 | 154 | 110 | 0.8 | 0.7 |
| 4543 Direct Selling Establishments | 845 | 56 | \$1,767,465 | 48.2% | 16,529 | 13.3 | 0.8 | 3,913.5 | 13 | 21.5 | 151 | 112 | 0.9 | 1.5 |
| 4231 Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers | 886 | 56 | \$1,203,034 | 72.2% | 13,822 | 12.6 | 0.8 | 3,119.4 | 18 | 21.5 | 162 | 112 | 0.8 | 1.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Trade: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010. (18-33)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate | |
|--|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 33 Industries Ranked in sector. | 71,537 | 5,662 | \$91,568,303 | 66.0% | 816,491 | 15.8 | 1 | 2,282.7 | 0 | 0 | 6 | 3 | 1 | 0.9 |
| 4511 Sporting Goods, Hobby, & Musical Instrument Stores | 1,532 | 87 | \$1,529,755 | 82.3% | 17,651 | 11.4 | 0.7 | 2,304.6 | 25 | 15 | 183 | 82.5 | 0.7 | 0.9 |
| 4243 Apparel, Piece Goods, & Notions Merchant Wholesalers | 519 | 37 | \$423,120 | 112.5% | 6,532 | 14.3 | 0.9 | 2,516.1 | 11 | 29 | 141 | 143 | 0.9 | 1 |
| 4235 Metal & Mineral (except Petroleum) Merchant Wholesalers | 370 | 29 | \$1,544,330 | 27.7% | 7,660 | 15.7 | 1 | 4,141.5 | 7 | 33 | 123 | 160 | 1 | 1.6 |
| 4248 Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 685 | 44 | \$382,436 | 102.0% | 5,773 | 12.8 | 0.8 | 1,684.8 | 15 | 26 | 157 | 131 | 0.8 | 0.6 |
| 4481 Clothing Stores | 2,882 | 123 | \$2,043,267 | 48.5% | 15,380 | 8.5 | 0.5 | 1,067.2 | 36 | 11 | 220 | 60.5 | 0.6 | 0.4 |
| 4461 Health & Personal Care Stores | 1,734 | 78 | \$681,229 | 108.9% | 6,878 | 9 | 0.6 | 793.1 | 32 | 16 | 212 | 90 | 0.6 | 0.3 |
| 4442 Lawn & Garden Equip. & Supplies Stores | 808 | 48 | \$1,059,013 | 71.1% | 11,376 | 11.9 | 0.8 | 2,815.7 | 23 | 25 | 174 | 126 | 0.8 | 1.1 |
| 4532 Office Supplies, Stationery, & Gift Stores | 937 | 52 | \$721,237 | 93.0% | 9,843 | 11.1 | 0.7 | 2,100.4 | 27 | 24 | 190 | 119 | 0.7 | 0.8 |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,359 | 90 | \$1,714,182 | 71.5% | 22,148 | 7.6 | 0.5 | 1,878.0 | 38 | 14 | 231 | 78 | 0.5 | 0.7 |
| 4236 Electrical & Electronic Goods Merchant Wholesalers | 1,343 | 58 | \$1,383,987 | 69.5% | 15,977 | 8.6 | 0.5 | 2,379.0 | 35 | 19 | 216 | 108 | 0.6 | 0.9 |
| 4421 Furniture Stores | 783 | 43 | \$733,741 | 65.3% | 9,964 | 11 | 0.7 | 2,543.8 | 28 | 27.5 | 192 | 134 | 0.7 | 1 |
| 4237 Hardware, & Plumbing & Heating Equip. & Supplies Merchant Wholesalers | 925 | 43 | \$735,927 | 54.6% | 5,482 | 9.3 | 0.6 | 1,185.1 | 31 | 27.5 | 210 | 134 | 0.6 | 0.5 |
| 4422 Home Furnishings Stores | 756 | 36 | \$414,794 | 75.3% | 4,092 | 9.5 | 0.6 | 1,082.2 | 30 | 30 | 205 | 146 | 0.6 | 0.4 |
| 4412 Other Motor Vehicle Dealers | 691 | 33 | \$1,423,867 | 50.0% | 12,345 | 9.6 | 0.6 | 3,573.8 | 29 | 31 | 204 | 153 | 0.6 | 1.4 |
| 4431 Electronics & Appliance Stores | 2,836 | 74 | \$1,939,339 | 63.0% | 21,728 | 5.2 | 0.3 | 1,532.1 | 45 | 18 | 261 | 95.5 | 0.3 | 0.6 |
| 4512 Book, Periodical, & Music Stores | 1,124 | 31 | \$229,936 | 97.8% | 3,213 | 5.5 | 0.3 | 571.9 | 44 | 32 | 253 | 158 | 0.4 | 0.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 9. Utilities: Washington State All Compensable HAND/WRIST Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 14 Industries Ranked in sector. | 15,825 | 1,567 | \$29,673,844 | 52.5% | 181,402 | 19.8 | 1 | 2,292.6 | 0 | 0 | 3 | 7 | 1.3 | 0.9 |
| 4811 Scheduled Air Transportation | 1,494 | 270 | \$2,710,828 | 65.4% | 4,831 | 36.1 | 1.8 | 646.5 | 3 | 1 | 13 | 21 | 2.4 | 0.2 |
| 4921 Couriers & Express Delivery Svcs. | 1,287 | 168 | \$1,439,979 | 54.0% | 1,322 | 26.1 | 1.3 | 205.5 | 5 | 5 | 34 | 41 | 1.7 | 0.1 |
| 4852 Interurban & Rural Bus Transportation | 344 | 63 | \$1,422,733 | 37.4% | 7,748 | 36.6 | 1.8 | 4,500.1 | 2 | 8 | 11 | 104 | 2.4 | 1.7 |
| 4841 General Freight Trucking | 2,735 | 252 | \$7,839,648 | 46.8% | 47,802 | 18.4 | 0.9 | 3,494.9 | 11 | 2 | 91 | 23 | 1.2 | 1.3 |
| 2211 Electric Power Generation, Transmission & Distributio | 1,786 | 179 | \$2,772,049 | 42.8% | 5,343 | 20 | 1 | 598.3 | 9 | 4 | 80 | 38 | 1.3 | 0.2 |
| 4851 Urban Transit Systems | 362 | 52 | \$499,908 | 110.2% | 60 | 28.7 | 1.5 | 33.2 | 4 | 9 | 25 | 119 | 1.9 | 0 |
| 2213 Water, Sewage & Other Systems | 2,199 | 198 | \$3,918,926 | 59.5% | 24,018 | 18 | 0.9 | 2,184.3 | 14 | 3 | 99 | 33.5 | 1.2 | 0.8 |
| 4842 Specialized Freight Trucking | 935 | 85 | \$1,912,100 | 56.3% | 18,265 | 18.2 | 0.9 | 3,905.7 | 12 | 6 | 94 | 85.5 | 1.2 | 1.5 |
| 4884 Support Activities for Road Transportation | 246 | 25 | \$447,289 | 84.6% | 5,629 | 20.3 | 1 | 4,569.9 | 8 | 13 | 76 | 169 | 1.3 | 1.8 |
| 4931 Warehousing & Storage | 970 | 67 | \$1,808,953 | 59.0% | 23,588 | 13.8 | 0.7 | 4,864.1 | 19 | 7 | 145 | 100 | 0.9 | 1.9 |
| 4859 Other Transit & Ground Passenger Transportation | 289 | 25 | \$904,536 | 58.7% | 10,249 | 17.3 | 0.9 | 7,091.9 | 15 | 13 | 105 | 169 | 1.1 | 2.7 |
| 4883 Support Activities for Water Transportation | 650 | 44 | \$946,075 | 39.2% | 4,748 | 13.5 | 0.7 | 1,460.8 | 20 | 10 | 148 | 131 | 0.9 | 0.6 |
| 4881 Support Activities for Air Transportation | 652 | 43 | \$830,706 | 55.5% | 8,081 | 13.2 | 0.7 | 2,479.3 | 21 | 11 | 152 | 134 | 0.9 | 1 |
| 4885 Freight Transportation Arrangement | 681 | 25 | \$148,552 | 101.5% | 1,694 | 7.3 | 0.4 | 497.5 | 25 | 13 | 235 | 169 | 0.5 | 0.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|--------|-----------------|-----------------------|------------|------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| All | 302 | 390,591 | 79,480 | \$1,755,610,929 | 58.9% | 12,579,617 | 40.7 | 6,441.3 | 6 | 1 | 1 | 1 |
| Construction | 10 | 23,854 | 9,649 | \$457,700,408 | 43.7% | 2,965,558 | 80.9 | 24,864.7 | 1 | 5 | 2 | 3.9 |
| Health Care | 18 | 43,091 | 12,473 | \$174,974,990 | 78.4% | 1,504,269 | 57.9 | 6,981.8 | 3 | 4 | 1.4 | 1.1 |
| Trade | 46 | 71,537 | 16,837 | \$290,434,253 | 65.2% | 2,260,002 | 47.1 | 6,318.4 | 5 | 3 | 1.2 | 1 |
| Transportation & Utilities | 29 | 15,825 | 6,192 | \$118,649,052 | 56.8% | 705,325 | 78.3 | 8,914.0 | 2 | 7 | 1.9 | 1.4 |
| Services | 94 | 182,284 | 24,319 | \$450,513,252 | 67.2% | 3,610,227 | 26.7 | 3,961.1 | 9 | 2 | 0.7 | 0.6 |
| Mining | 5 | 541 | 138 | \$7,263,499 | 29.7% | 35,443 | 51 | 13,111.3 | 4 | 9 | 1.3 | 2 |
| Manufacturing | 82 | 43,386 | 8,291 | \$209,651,005 | 59.4% | 1,146,051 | 38.2 | 5,283.0 | 7 | 6 | 0.9 | 0.8 |
| Agriculture | 18 | 10,613 | 1,581 | \$46,424,470 | 59.4% | 352,742 | 29.8 | 6,647.3 | 8 | 8 | 0.7 | 1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Top 25: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (302 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF Medical | | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio | Over-all PI Rank |
|-----------|---|-----------------|-------|--------------------------|------------|-------|-----------|-------|---------------|--------------------|---------------------|---------------------|-----------------------------|------------------|
| | | | | | Aid as %AF | Costs | | | | | | | | |
| H 6231 | Nursing Care Facilities | 2,842.0 | 1,875 | \$24,417 | 97.7% | | 320,812 | 131.9 | 22,576.5 | 4 | 8 | 3.2 | 3.5 | 1 |
| C 2381 | Foundation, Structure, & Bldg. Exterior Contractors | 2,887.8 | 1,700 | \$74,442 | 48.4% | | 521,267 | 117.7 | 36,101.0 | 10 | 12 | 2.9 | 5.6 | 2 |
| U 4811 | Scheduled Air Transportation | 1,494.5 | 1,027 | \$8,972 | 71.4% | | 26,638 | 137.4 | 3,564.8 | 2 | 21 | 3.4 | 0.6 | 3 |
| U 4921 | Couriers & Express Delivery Svcs. | 1,286.7 | 812 | \$8,754 | 73.8% | | 18,346 | 126.2 | 2,851.5 | 6 | 23 | 3.1 | 0.4 | 4 |
| C 2383 | Bldg. Finishing Contractors | 3,346.0 | 1,640 | \$74,914 | 47.8% | | 523,569 | 98 | 31,295.4 | 17 | 13 | 2.4 | 4.9 | 5 |
| H 6221 | General Medical & Surgical Hospitals | 12,520.6 | 4,945 | \$45,220 | 46.3% | | 30,286 | 79 | 483.8 | 30 | 1 | 1.9 | 0.1 | 6 |
| S 5617 | Svcs. to Bldgs. & Dwellings | 4,318.1 | 1,885 | \$36,068 | 81.9% | | 392,431 | 87.3 | 18,176.0 | 25 | 7 | 2.1 | 2.8 | 7.5 |
| U 4841 | General Freight Trucking | 2,735.5 | 1,354 | \$40,463 | 44.0% | | 229,073 | 99 | 16,748.2 | 15 | 17 | 2.4 | 2.6 | 7.5 |
| C 2361 | Resid. Bldg. Construction | 3,835.3 | 1,789 | \$76,760 | 45.1% | | 544,464 | 93.3 | 28,392.5 | 23 | 11 | 2.3 | 4.4 | 9.5 |
| H 6233 | Community Care Facilities for the Elderly | 2,019.4 | 1,043 | \$15,486 | 93.3% | | 218,694 | 103.3 | 21,658.8 | 14 | 20 | 2.5 | 3.4 | 9.5 |
| H 6219 | Other Ambulatory Health Care Svcs. | 755.1 | 512 | \$4,734 | 59.2% | | 23,069 | 135.6 | 6,110.1 | 3 | 34 | 3.3 | 0.9 | 11 |
| U 4842 | Specialized Freight Trucking | 935.3 | 574 | \$12,855 | 66.0% | | 115,316 | 122.7 | 24,658.9 | 9 | 32 | 3 | 3.8 | 12 |
| T 4521 | Department Stores | 6,902.2 | 2,475 | \$14,927 | 84.9% | | 24,171 | 71.7 | 700.4 | 40 | 4 | 1.8 | 0.1 | 13.5 |
| S 5621 | Waste Collection | 775.4 | 478 | \$9,459 | 45.6% | | 44,459 | 123.3 | 11,467.9 | 7 | 37 | 3 | 1.8 | 13.5 |
| C 2389 | Other Specialty Trade Contractors | 2,463.9 | 1,066 | \$47,214 | 51.2% | | 339,024 | 86.5 | 27,518.8 | 26 | 19 | 2.1 | 4.3 | 15 |
| H 6232 | Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975.3 | 506 | \$10,065 | 65.4% | | 97,381 | 103.8 | 19,969.7 | 13 | 35 | 2.5 | 3.1 | 16 |
| T 4244 | Grocery & Related Product Merchant Wholesalers | 5,031.5 | 1,804 | \$27,336 | 75.5% | | 210,272 | 71.7 | 8,358.1 | 41 | 9 | 1.8 | 1.3 | 17 |
| T 4451 | Grocery Stores | 6,804.5 | 2,273 | \$24,214 | 75.3% | | 141,782 | 66.8 | 4,167.3 | 48 | 5 | 1.6 | 0.6 | 18.5 |
| T 4441 | Bldg. Material & Supplies Dealers | 3,806.0 | 1,397 | \$24,071 | 54.5% | | 163,491 | 73.4 | 8,591.3 | 38 | 15 | 1.8 | 1.3 | 18.5 |
| S 9211 | Exec., Legislative, & Other General Govt. Support | 13,113.1 | 4,077 | \$49,375 | 48.3% | | 104,706 | 62.2 | 1,597.0 | 55 | 2 | 1.5 | 0.2 | 20 |
| C 2382 | Bldg. Equip. Contractors | 5,697.9 | 1,800 | \$84,925 | 39.5% | | 522,175 | 63.2 | 18,328.7 | 53 | 10 | 1.6 | 2.8 | 21 |
| H 6239 | Other Resid. Care Facilities | 1,049.1 | 448 | \$7,448 | 80.3% | | 100,641 | 85.4 | 19,187.0 | 27 | 41 | 2.1 | 3 | 22 |
| H 6243 | Vocational Rehabilitation Svcs. | 1,233.9 | 476 | \$8,341 | 56.5% | | 71,150 | 77.2 | 11,532.6 | 32 | 38 | 1.9 | 1.8 | 23 |
| T 4529 | Other General Merchandise Stores | 2,325.5 | 766 | \$8,245 | 89.1% | | 43,135 | 65.9 | 3,709.7 | 49 | 25 | 1.6 | 0.6 | 24 |
| T 4248 | Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 685.3 | 322 | \$4,299 | 81.2% | | 34,960 | 94 | 10,202.6 | 21 | 57 | 2.3 | 1.6 | 25 |
| S 6111 | Elementary & Secondary Schools | 17,501.7 | 2,549 | \$20,794 | 83.6% | | 42,191 | 29.1 | 482.1 | 181 | 3 | 0.7 | 0.1 | 69 |
| M 3161 | Leather & Hide Tanning & Finishing | 1.5 | 2 | \$104 | 80.3% | | 1,327 | 271 | 179,778.6 | 1 | 290 | 6.7 | 27.9 | 144 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 10. Agriculture: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|-------|-----------------|--------------------------|-----------|------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 10 Industries Ranked in sector. | 10,613 | 1,581 | \$46,424,470 | 59.4% | 352,742 | 29.8 | 1 | 6,647.3 | 0 | 0 | 8 | 8 | 0.7 | 1 |
| 1114 Greenhouse, Nursery, & Floriculture Production | 504 | 122 | \$2,239,937 | 103.1% | 28,722 | 48.4 | 1.6 | 11,388.9 | 6 | 4 | 100 | 124 | 1.2 | 1.8 |
| 1133 Logging | 1,932 | 357 | \$20,555,871 | 37.6% | 92,049 | 37 | 1.2 | 9,531.2 | 10 | 2 | 147 | 51 | 0.9 | 1.5 |
| 1123 Poultry & Egg Production | 108 | 40 | \$268,500 | 115.6% | 1,331 | 74.1 | 2.5 | 2,465.4 | 3 | 9 | 36 | 190 | 1.8 | 0.4 |
| 1121 Cattle Ranching & Farming | 608 | 117 | \$2,592,690 | 80.8% | 25,847 | 38.5 | 1.3 | 8,499.9 | 9 | 5 | 139 | 126 | 0.9 | 1.3 |
| 1141 Fishing | 98 | 34 | \$589,260 | 65.3% | 8,385 | 69.1 | 2.3 | 17,029.2 | 4 | 10 | 43 | 203 | 1.7 | 2.6 |
| 1151 Support Activities for Crop Production | 1,701 | 259 | \$4,482,045 | 87.4% | 50,365 | 30.5 | 1 | 5,923.5 | 12 | 3 | 172 | 69 | 0.7 | 0.9 |
| 1113 Fruit & Tree Nut Farming | 3,697 | 359 | \$6,853,011 | 69.6% | 66,227 | 19.4 | 0.7 | 3,582.6 | 16 | 1 | 217 | 50 | 0.5 | 0.6 |
| 1112 Vegetable & Melon Farming | 508 | 78 | \$3,425,399 | 45.8% | 26,479 | 30.7 | 1 | 10,421.0 | 11 | 6.5 | 170 | 150 | 0.8 | 1.6 |
| 1111 Oilseed & Grain Farming | 356 | 54 | \$1,240,177 | 78.4% | 12,617 | 30.3 | 1 | 7,091.1 | 13 | 8 | 174 | 173 | 0.7 | 1.1 |
| 1119 Other Crop Farming | 653 | 78 | \$1,456,798 | 49.8% | 9,879 | 23.9 | 0.8 | 3,025.3 | 15 | 6.5 | 204 | 150 | 0.6 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Construction: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|-------|-----------------|--------------------------|-----------|-------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 10 Industries Ranked in sector. | 23,854 | 9,649 | \$457,700,408 | 43.7% | 2,965,558 | 80.9 | 1 | 24,864.7 | 0 | 0 | 1 | 5 | 2 | 3.9 |
| 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,888 | 1,700 | \$74,441,939 | 48.4% | 521,267 | 117.7 | 1.5 | 36,101.0 | 1 | 3 | 10 | 12 | 2.9 | 5.6 |
| 2361 Resid. Bldg. Construction | 3,835 | 1,789 | \$76,760,337 | 45.1% | 544,464 | 93.3 | 1.2 | 28,392.5 | 3 | 2 | 23 | 11 | 2.3 | 4.4 |
| 2383 Bldg. Finishing Contractors | 3,346 | 1,640 | \$74,914,263 | 47.8% | 523,569 | 98 | 1.2 | 31,295.4 | 2 | 4 | 17 | 13 | 2.4 | 4.9 |
| 2382 Bldg. Equip. Contractors | 5,698 | 1,800 | \$84,925,234 | 39.5% | 522,175 | 63.2 | 0.8 | 18,328.7 | 7 | 1 | 53 | 10 | 1.6 | 2.8 |
| 2389 Other Specialty Trade Contractors | 2,464 | 1,066 | \$47,214,106 | 51.2% | 339,024 | 86.5 | 1.1 | 27,518.8 | 4 | 5 | 26 | 19 | 2.1 | 4.3 |
| 2371 Utility System Construction | 1,210 | 406 | \$21,334,060 | 38.1% | 121,938 | 67.1 | 0.8 | 20,152.0 | 6 | 7 | 46 | 44 | 1.6 | 3.1 |
| 2373 Highway, Street, & Bridge Construction | 1,157 | 395 | \$25,983,568 | 31.9% | 127,151 | 68.3 | 0.8 | 21,972.6 | 5 | 8 | 44 | 46 | 1.7 | 3.4 |
| 2362 Nonresidential Bldg. Construction | 2,463 | 709 | \$43,870,333 | 37.3% | 228,281 | 57.6 | 0.7 | 18,539.4 | 8 | 6 | 66 | 29 | 1.4 | 2.9 |
| 2379 Other Heavy & Civil Engineering Construction | 471 | 99 | \$5,958,139 | 40.0% | 29,398 | 42 | 0.5 | 12,470.6 | 9 | 9 | 122 | 137 | 1 | 1.9 |
| 2372 Land Subdivision | 257 | 45 | \$2,298,428 | 22.8% | 8,291 | 35 | 0.4 | 6,447.1 | 10 | 10 | 156 | 185 | 0.9 | 1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Services: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010. (1-25)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|--------------------|--------------------------|-----------|------|---------------|------------------|--------------|---------------|---------------------|----------------------|----------------------|---------------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate Rank | all Count Rank | all Rate Ratio | Severity Rate Ratio |
| 75 Industries Ranked in sector. | 182,284 | 24,319 | \$450,513,252 | 67.2% | 3,610,227 | 26.7 | 1 | 3,961.1 | 0 | 0 | 9 | 2 | 0.7 | 0.6 |
| 5617 Svcs. to Bldgs. & Dwellings | 4,318 | 1,885 | \$36,067,838 | 81.9% | 392,431 | 87.3 | 3.3 | 18,176.0 | 2 | 3 | 25 | 7 | 2.1 | 2.8 |
| 9211 Exec., Legislative, & Other General Govt. Support | 13,113 | 4,077 | \$49,374,697 | 48.3% | 104,706 | 62.2 | 2.3 | 1,597.0 | 5 | 1 | 55 | 2 | 1.5 | 0.2 |
| 5621 Waste Collection | 775 | 478 | \$9,458,531 | 45.6% | 44,459 | 123 | 4.6 | 11,467.9 | 1 | 10 | 7 | 37 | 3 | 1.8 |
| 5613 Employment Svcs. | 5,796 | 1,495 | \$24,938,144 | 81.1% | 291,618 | 51.6 | 1.9 | 10,063.1 | 12 | 4 | 87 | 14 | 1.3 | 1.6 |
| 8111 Automotive Repair & Maintenance | 2,659 | 749 | \$26,070,018 | 55.3% | 213,890 | 56.3 | 2.1 | 16,086.4 | 10 | 8 | 73 | 26 | 1.4 | 2.5 |
| 7211 Traveler Accommodation | 3,245 | 828 | \$13,272,503 | 86.5% | 156,357 | 51 | 1.9 | 9,635.7 | 13 | 7 | 89 | 22 | 1.3 | 1.5 |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 728 | \$16,013,349 | 49.4% | 88,995 | 53.1 | 2 | 6,494.5 | 11 | 9 | 83 | 27 | 1.3 | 1 |
| 5311 Lessors of Real Estate | 1,569 | 451 | \$10,636,952 | 68.4% | 103,847 | 57.5 | 2.2 | 13,241.0 | 9 | 11 | 68 | 39 | 1.4 | 2.1 |
| 8114 Personal & Household Goods Repair & Maintenance | 416 | 171 | \$7,262,876 | 51.1% | 58,361 | 82.2 | 3.1 | 28,040.5 | 3 | 29.5 | 29 | 101 | 2 | 4.4 |
| 6111 Elementary & Secondary Schools | 17,502 | 2,549 | \$20,794,067 | 83.6% | 42,191 | 29.1 | 1.1 | 482.1 | 32 | 2 | 181 | 3 | 0.7 | 0.1 |
| 5313 Activities Related to Real Estate | 2,220 | 414 | \$11,656,507 | 62.1% | 105,936 | 37.3 | 1.4 | 9,544.8 | 24 | 12 | 146 | 43 | 0.9 | 1.5 |
| 5611 Office Administrative Svcs. | 1,091 | 238 | \$4,409,897 | 74.5% | 42,441 | 43.6 | 1.6 | 7,783.3 | 15 | 22 | 114 | 74 | 1.1 | 1.2 |
| 8113 Commercial & Industrial Machinery & Equip. (except Automotive & Electronic) Repair & Maintenance | 556 | 165 | \$5,229,993 | 46.8% | 31,203 | 59.4 | 2.2 | 11,232.2 | 7 | 32 | 63 | 104 | 1.5 | 1.7 |
| 7223 Special Food Svcs. | 1,127 | 227 | \$5,603,829 | 76.0% | 58,450 | 40.3 | 1.5 | 10,375.6 | 18 | 23 | 127 | 81 | 1 | 1.6 |
| 7221 Full-Service Restaurants | 9,996 | 1,322 | \$19,929,901 | 89.2% | 240,936 | 26.5 | 1 | 4,820.8 | 39 | 6 | 194 | 18 | 0.6 | 0.7 |
| 8129 Other Personal Svcs. | 1,813 | 289 | \$5,206,987 | 81.2% | 59,747 | 31.9 | 1.2 | 6,589.6 | 30 | 16 | 165 | 63 | 0.8 | 1 |
| 7139 Other Amusement & Recreation Industries | 2,407 | 346 | \$5,786,112 | 86.3% | 64,900 | 28.7 | 1.1 | 5,391.6 | 34 | 13 | 183 | 54 | 0.7 | 0.8 |
| 8123 Drycleaning & Laundry Svcs. | 647 | 157 | \$2,177,738 | 73.5% | 16,151 | 48.5 | 1.8 | 4,993.1 | 14 | 34 | 99 | 106 | 1.2 | 0.8 |
| 8134 Civic & Social Organizations | 1,213 | 214 | \$4,172,573 | 81.4% | 51,890 | 35.3 | 1.3 | 8,553.6 | 26 | 26 | 153 | 87 | 0.9 | 1.3 |
| 5619 Other Support Svcs. | 807 | 159 | \$2,920,582 | 67.9% | 29,442 | 39.4 | 1.5 | 7,299.7 | 21 | 33 | 133 | 105 | 1 | 1.1 |
| 5622 Waste Treatment & Disposal | 268 | 77 | \$2,165,424 | 47.2% | 12,962 | 57.6 | 2.2 | 9,689.2 | 8 | 48.5 | 67 | 153 | 1.4 | 1.5 |
| 7222 Limited-Service Eating Places | 14,447 | 1,371 | \$18,995,224 | 83.1% | 198,024 | 19 | 0.7 | 2,741.5 | 52 | 5 | 223 | 16 | 0.5 | 0.4 |
| 5629 Remediation & Other Waste Management Svcs. | 1,915 | 257 | \$8,993,222 | 44.6% | 33,446 | 26.8 | 1 | 3,492.9 | 38 | 19 | 191 | 70 | 0.7 | 0.5 |
| 5323 General Rental Centers | 166 | 62 | \$1,352,939 | 64.6% | 16,562 | 74.8 | 2.8 | 19,980.5 | 4 | 53 | 35 | 162 | 1.8 | 3.1 |
| 5324 Commercial & Industrial Machinery & Equip. Rental & Leasing | 736 | 142 | \$4,374,977 | 53.1% | 29,441 | 38.6 | 1.4 | 7,998.1 | 22 | 36 | 137 | 114 | 0.9 | 1.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Services: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010. (26-50)

| Industry Group | Hours | | Indemnity Costs | SF Medical Aid as %AF | | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate |
|--|-----------|--------|-----------------|-----------------------|-----------|-----------|------|------------|---------------|-----------|------------|--------------------|---------------------|---------------------|-----------------------|
| | (100,000) | Count | | %AF | Lost Days | | | | | | | | | | |
| 75 Industries Ranked in sector. | 182,284 | 24,319 | \$450,513,252 | 67.2% | 3,610,227 | 26.7 | 1 | 3,961.1 | 0 | 0 | 9 | 2 | 0.7 | 0.6 | |
| 5111 Newspaper, Periodical, Book, & Directory Publishers | 1,659 | 225 | \$3,189,922 | 43.5% | 18,200 | 27.1 | 1 | 2,194.4 | 37 | 24 | 189 | 84 | 0.7 | 0.3 | |
| 5321 Automotive Equip. Rental & Leasing | 515 | 103 | \$1,928,399 | 58.2% | 14,794 | 40 | 1.5 | 5,746.7 | 19 | 42 | 129 | 135 | 1 | 0.9 | |
| 5614 Business Support Svcs. | 3,372 | 342 | \$9,984,429 | 62.5% | 92,796 | 20.3 | 0.8 | 5,504.4 | 50 | 14 | 215 | 55 | 0.5 | 0.9 | |
| 8122 Death Care Svcs. | 371 | 77 | \$1,111,984 | 89.4% | 11,160 | 41.5 | 1.6 | 6,020.0 | 16 | 48.5 | 123 | 153 | 1 | 0.9 | |
| 8121 Personal Care Svcs. | 1,536 | 203 | \$4,538,822 | 88.7% | 68,641 | 26.4 | 1 | 8,937.7 | 40 | 27 | 195 | 90 | 0.6 | 1.4 | |
| 8133 Social Advocacy Organizations | 653 | 115 | \$2,258,287 | 70.7% | 27,286 | 35.2 | 1.3 | 8,361.0 | 27 | 40 | 154 | 127 | 0.9 | 1.3 | |
| 7121 Museums, Historical Sites, & Similar Institutions | 423 | 84 | \$1,296,094 | 69.1% | 13,210 | 39.7 | 1.5 | 6,245.7 | 20 | 47 | 131 | 146 | 1 | 1 | |
| 5419 Other Professional, Scientific, & Technical Svcs. | 2,365 | 242 | \$6,119,884 | 65.0% | 56,386 | 20.5 | 0.8 | 4,768.8 | 49 | 21 | 214 | 73 | 0.5 | 0.7 | |
| 7224 Drinking Places (Alcoholic Beverages) | 1,357 | 171 | \$3,380,638 | 95.5% | 45,765 | 25.2 | 0.9 | 6,743.8 | 41 | 29.5 | 198 | 101 | 0.6 | 1 | |
| 7213 Rooming & Boarding Houses | 121 | 36 | \$507,978 | 116.3% | 10,114 | 59.5 | 2.2 | 16,703.9 | 6 | 66.5 | 62 | 199 | 1.5 | 2.6 | |
| 8131 Religious Organizations | 2,780 | 246 | \$2,505,668 | 88.7% | 17,053 | 17.7 | 0.7 | 1,226.8 | 53 | 20 | 228 | 72 | 0.4 | 0.2 | |
| 5416 Management, Scientific, & Technical Consulting Svcs. | 4,187 | 295 | \$6,928,566 | 71.2% | 73,230 | 14.1 | 0.5 | 3,497.7 | 62 | 15 | 249 | 62 | 0.3 | 0.5 | |
| 5511 Management of Companies & Enterprises | 1,184 | 146 | \$1,410,856 | 118.5% | 15,760 | 24.7 | 0.9 | 2,662.8 | 43 | 35 | 201 | 112 | 0.6 | 0.4 | |
| 5322 Consumer Goods Rental | 588 | 85 | \$2,076,670 | 60.4% | 16,433 | 28.9 | 1.1 | 5,592.7 | 33 | 45.5 | 182 | 144 | 0.7 | 0.9 | |
| 6113 Colleges, Universities, & Professional Schools | 4,098 | 272 | \$6,656,723 | 54.6% | 50,019 | 13.3 | 0.5 | 2,441.3 | 63 | 17 | 252 | 66 | 0.3 | 0.4 | |
| 9241 Administration of Environmental Quality Programs | 1,017 | 127 | \$2,712,777 | 53.4% | 20,044 | 25 | 0.9 | 3,940.8 | 42 | 39 | 200 | 122 | 0.6 | 0.6 | |
| 5152 Cable & Other Subscription Programming | 246 | 47 | \$2,272,647 | 41.2% | 15,905 | 38.1 | 1.4 | 12,908.6 | 23 | 59.5 | 140 | 181 | 0.9 | 2 | |
| 5412 Accounting, Tax Preparation, Bookkeeping, & Payroll Svcs. | 2,303 | 184 | \$4,151,800 | 65.4% | 41,788 | 16 | 0.6 | 3,629.7 | 57 | 28 | 239 | 95 | 0.4 | 0.6 | |
| 9261 Administration of Economic Program | 1,010 | 111 | \$4,537,924 | 39.4% | 24,168 | 22 | 0.8 | 4,786.3 | 46 | 41 | 209 | 130 | 0.5 | 0.7 | |
| 8141 Private Households | 153 | 31 | \$1,312,481 | 49.0% | 11,981 | 40.5 | 1.5 | 15,659.8 | 17 | 70.5 | 125 | 209 | 1 | 2.4 | |
| 5413 Architectural, Engineering, & Related Svcs. | 5,256 | 267 | \$13,609,299 | 44.4% | 89,866 | 10.2 | 0.4 | 3,419.4 | 72 | 18 | 266 | 67 | 0.2 | 0.5 | |
| 8112 Electronic & Precision Equip. Repair & Maintenance | 231 | 38 | \$1,265,668 | 48.9% | 9,930 | 32.8 | 1.2 | 8,582.6 | 28 | 64.5 | 161 | 194 | 0.8 | 1.3 | |
| 9231 Administration of Human Resource Programs | 1,528 | 128 | \$5,254,611 | 49.5% | 33,362 | 16.8 | 0.6 | 4,366.7 | 55 | 38 | 230 | 120 | 0.4 | 0.7 | |
| 5242 Agencies, Brokerages, & Other Insurance Related | | | | | | | | | | | | | | | |
| Activities | 3,644 | 221 | \$2,067,867 | 98.6% | 7,684 | 12.1 | 0.5 | 421.8 | 69 | 25 | 259 | 85.5 | 0.3 | 0.1 | |
| 9281 National Security & International Affairs | 263 | 39 | \$606,333 | 49.2% | 3,844 | 29.7 | 1.1 | 2,926.6 | 31 | 63 | 178 | 192 | 0.7 | 0.5 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Services: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010. (51-75)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|--------------------|--------------------------|-----------|------|---------------|------------------|--------------|---------------|---------------------|----------------------|----------------------|---------------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate Rank | all Count Rank | all Rate Ratio | Severity Rate Ratio |
| 75 Industries Ranked in sector. | 182,284 | 24,319 | \$450,513,252 | 67.2% | 3,610,227 | 26.7 | 1 | 3,961.1 | 0 | 0 | 9 | 2 | 0.7 | 0.6 |
| 5616 Investigation & Security Svcs. | 1,679 | 132 | \$2,778,500 | 75.7% | 23,736 | 15.7 | 0.6 | 2,828.1 | 59 | 37 | 241 | 119 | 0.4 | 0.4 |
| 5414 Specialized Design Svcs. | 493 | 54 | \$1,751,779 | 47.1% | 13,266 | 21.9 | 0.8 | 5,386.2 | 47 | 55 | 210 | 173 | 0.5 | 0.8 |
| 7113 Promoters of Performing Arts, Sports, & Similar Events | 244 | 35 | \$875,931 | 64.8% | 9,416 | 28.7 | 1.1 | 7,710.6 | 35 | 68 | 184 | 202 | 0.7 | 1.2 |
| 6112 Junior Colleges | 1,122 | 87 | \$2,587,243 | 63.7% | 22,744 | 15.5 | 0.6 | 4,052.9 | 60 | 44 | 243 | 142 | 0.4 | 0.6 |
| 5312 Offices of Real Estate Agents & Brokers | 4,258 | 166 | \$5,444,027 | 63.1% | 48,949 | 7.8 | 0.3 | 2,299.1 | 76 | 31 | 276 | 102 | 0.2 | 0.4 |
| 7132 Gambling Industries | 431 | 47 | \$1,251,522 | 86.9% | 13,870 | 21.8 | 0.8 | 6,433.4 | 48 | 59.5 | 211 | 181 | 0.5 | 1 |
| 7112 Spectator Sports | 265 | 32 | \$731,312 | 56.4% | 3,773 | 24.2 | 0.9 | 2,852.7 | 45 | 69 | 203 | 207 | 0.6 | 0.4 |
| 8139 Business, Professional, Labor, Political, & Similar Organizations | 1,163 | 76 | \$1,790,820 | 60.1% | 15,710 | 13.1 | 0.5 | 2,702.7 | 65 | 50 | 254 | 156 | 0.3 | 0.4 |
| 5191 Other Information Svcs. | 686 | 49 | \$446,486 | 78.6% | 2,785 | 14.3 | 0.5 | 811.5 | 61 | 58 | 247 | 178 | 0.4 | 0.1 |
| 7111 Performing Arts Companies | 221 | 27 | \$697,941 | 58.0% | 7,785 | 24.5 | 0.9 | 7,053.0 | 44 | 75 | 202 | 219 | 0.6 | 1.1 |
| 5418 Advertising, Public Relations, & Related Svcs. | 855 | 52 | \$1,305,486 | 64.6% | 11,302 | 12.2 | 0.5 | 2,643.9 | 68 | 56 | 258 | 174 | 0.3 | 0.4 |
| 5171 Wired Telecommunications Carriers | 452 | 36 | \$1,972,423 | 34.7% | 6,896 | 15.9 | 0.6 | 3,050.5 | 58 | 66.5 | 240 | 199 | 0.4 | 0.5 |
| 6115 Technical & Trade Schools | 624 | 41 | \$603,010 | 89.8% | 5,834 | 13.1 | 0.5 | 1,871.0 | 64 | 62 | 253 | 189 | 0.3 | 0.3 |
| 8132 Grantmaking & Giving Svcs. | 345 | 30 | \$1,011,172 | 69.0% | 13,107 | 17.4 | 0.7 | 7,590.9 | 54 | 72.5 | 229 | 213 | 0.4 | 1.2 |
| 5417 Scientific Research & Development Svcs. | 1,764 | 63 | \$1,391,867 | 74.0% | 13,517 | 7.1 | 0.3 | 1,532.5 | 78 | 51.5 | 278 | 161 | 0.2 | 0.2 |
| 5415 Computer Systems Design & Related Svcs. | 3,972 | 85 | \$1,904,123 | 63.3% | 14,239 | 4.3 | 0.2 | 716.9 | 86 | 45.5 | 288 | 144 | 0.1 | 0.1 |
| 5221 Depository Credit Intermediation | 5,832 | 96 | \$1,279,408 | 68.4% | 11,960 | 3.3 | 0.1 | 410.2 | 91 | 43 | 293 | 138 | 0.1 | 0.1 |
| 5615 Travel Arrangement & Reservation Svcs. | 996 | 45 | \$1,889,871 | 36.9% | 11,376 | 9 | 0.3 | 2,283.9 | 74 | 61 | 270 | 185 | 0.2 | 0.4 |
| 5172 Wireless Telecommunications Carriers (except Satellite) | 1,801 | 56 | \$1,208,337 | 56.2% | 164 | 6.2 | 0.2 | 18.2 | 82 | 54 | 282 | 169 | 0.2 | 0 |
| 5411 Legal Svcs. | 3,126 | 63 | \$1,347,340 | 86.9% | 11,940 | 4 | 0.2 | 764 | 88 | 51.5 | 290 | 161 | 0.1 | 0.1 |
| 5121 Motion Picture & Video Industries | 455 | 28 | \$691,038 | 55.9% | 5,121 | 12.3 | 0.5 | 2,251.5 | 67 | 74 | 257 | 216 | 0.3 | 0.3 |
| 5241 Insurance Carriers | 2,838 | 50 | \$1,261,259 | 67.6% | 11,809 | 3.5 | 0.1 | 832.1 | 90 | 57 | 292 | 177 | 0.1 | 0.1 |
| 5182 Data Processing, Hosting, & Related Svcs. | 1,427 | 38 | \$1,057,264 | 68.3% | 3,025 | 5.3 | 0.2 | 424.1 | 85 | 64.5 | 285 | 194 | 0.1 | 0.1 |
| 5223 Activities Related to Credit Intermediation | 912 | 30 | \$1,047,267 | 58.0% | 9,850 | 6.6 | 0.2 | 2,160.6 | 81 | 72.5 | 281 | 213 | 0.2 | 0.3 |
| 5222 Nondepository Credit Intermediation | 1,464 | 31 | \$636,779 | 92.7% | 7,554 | 4.2 | 0.2 | 1,032.1 | 87 | 70.5 | 289 | 209 | 0.1 | 0.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Healthcare: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|--------------------|--------------------------|-----------|------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 17 Industries Ranked in sector. | 43,091 | 12,473 | \$174,974,990 | 78.4% | 1,504,269 | 57.9 | 1 | 6,981.8 | 0 | 0 | 3 | 4 | 1.4 | 1.1 |
| 6231 Nursing Care Facilities | 2,842 | 1,875 | \$24,417,183 | 97.7% | 320,812 | 132 | 2.3 | 22,576.5 | 2 | 2 | 4 | 8 | 3.2 | 3.5 |
| 6219 Other Ambulatory Health Care Svcs. | 755 | 512 | \$4,733,544 | 59.2% | 23,069 | 136 | 2.3 | 6,110.1 | 1 | 5 | 3 | 34 | 3.3 | 0.9 |
| 6221 General Medical & Surgical Hospitals | 12,521 | 4,945 | \$45,220,484 | 46.3% | 30,286 | 79 | 1.4 | 483.8 | 6 | 1 | 30 | 1 | 1.9 | 0.1 |
| 6233 Community Care Facilities for the Elderly | 2,019 | 1,043 | \$15,485,877 | 93.3% | 218,694 | 103 | 1.8 | 21,658.8 | 4 | 3 | 14 | 20 | 2.5 | 3.4 |
| 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975 | 506 | \$10,064,937 | 65.4% | 97,381 | 104 | 1.8 | 19,969.7 | 3 | 6 | 13 | 35 | 2.5 | 3.1 |
| 6216 Home Health Care Svcs. | 3,323 | 773 | \$17,224,905 | 79.3% | 219,203 | 46.5 | 0.8 | 13,193.9 | 9 | 4 | 102 | 24 | 1.1 | 2 |
| 6239 Other Resid. Care Facilities | 1,049 | 448 | \$7,448,435 | 80.3% | 100,641 | 85.4 | 1.5 | 19,187.0 | 5 | 9 | 27 | 41 | 2.1 | 3 |
| 6243 Vocational Rehabilitation Svcs. | 1,234 | 476 | \$8,341,339 | 56.5% | 71,150 | 77.2 | 1.3 | 11,532.6 | 7 | 8 | 32 | 38 | 1.9 | 1.8 |
| 6241 Individual & Family Svcs. | 1,850 | 397 | \$8,078,905 | 84.6% | 111,896 | 42.9 | 0.7 | 12,098.4 | 10 | 10 | 118 | 45 | 1.1 | 1.9 |
| 6211 Offices of Physicians | 6,041 | 483 | \$10,420,618 | 62.6% | 78,605 | 16 | 0.3 | 2,602.3 | 16 | 7 | 238 | 36 | 0.4 | 0.4 |
| 6223 Specialty (except Psychiatric & Substance Abuse) | | | | | | | | | | | | | | |
| Hospitals | 266 | 64 | \$2,529,865 | 51.5% | 18,873 | 48.1 | 0.8 | 14,173.4 | 8 | 15 | 101 | 159 | 1.2 | 2.2 |
| 6244 Child Day Care Svcs. | 2,041 | 311 | \$3,835,703 | 99.9% | 55,963 | 30.5 | 0.5 | 5,483.4 | 13 | 11 | 171 | 59 | 0.7 | 0.9 |
| 6214 Outpatient Care Centers | 2,478 | 235 | \$4,802,005 | 80.8% | 46,748 | 19 | 0.3 | 3,773.2 | 14 | 12 | 224 | 76 | 0.5 | 0.6 |
| 6213 Offices of Other Health Practitioners | 2,022 | 180 | \$5,280,119 | 61.2% | 45,646 | 17.8 | 0.3 | 4,515.1 | 15 | 13 | 227 | 97.5 | 0.4 | 0.7 |
| 6242 Community Food & Housing, & Emergency & Other Relief Svcs. | 376 | 58 | \$897,019 | 100.1% | 13,378 | 30.8 | 0.5 | 7,109.4 | 12 | 16 | 169 | 165 | 0.8 | 1.1 |
| 6212 Offices of Dentists | 2,564 | 108 | \$4,499,629 | 66.2% | 39,131 | 8.4 | 0.1 | 3,052.2 | 18 | 14 | 274 | 131 | 0.2 | 0.5 |
| 6215 Medical & Diagnostic Laboratories | 719 | 56 | \$1,690,263 | 57.9% | 12,706 | 15.6 | 0.3 | 3,533.9 | 17 | 17 | 242 | 169 | 0.4 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Manufacturing: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010. (1-25)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|-------|-----------------|--------------------------|-----------|------|---------------|------------------|--------------|---------------|-------------|-------------|-------------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rank | all Rank | all Rank | Severity Rate |
| 49 Industries Ranked in sector. | 43,386 | 8,291 | \$209,651,005 | 59.4% | 1,146,051 | 38.2 | 1 | 5,283.0 | 0 | 0 | 7 | 6 | 0.9 | 0.8 |
| 3121 Beverage Mfg. | 1,169 | 368 | \$5,978,066 | 68.9% | 36,194 | 63 | 1.6 | 6,193.2 | 12 | 3 | 54 | 48 | 1.5 | 1 |
| 3219 Other Wood Product Mfg. | 1,385 | 417 | \$12,111,602 | 54.9% | 95,224 | 60.2 | 1.6 | 13,749.7 | 14 | 2 | 59 | 42 | 1.5 | 2.1 |
| 3211 Sawmills & Wood Preservation | 851 | 288 | \$9,848,331 | 46.7% | 63,103 | 67.7 | 1.8 | 14,824.6 | 9 | 7 | 45 | 64.5 | 1.7 | 2.3 |
| 3212 Veneer, Plywood, & Engineered Wood Product Mfg. | 488 | 175 | \$4,734,614 | 61.7% | 37,155 | 71.8 | 1.9 | 15,242.5 | 7 | 14 | 39 | 99 | 1.8 | 2.4 |
| 3315 Foundries | 424 | 149 | \$5,592,448 | 64.2% | 42,249 | 70.3 | 1.8 | 19,939.6 | 8 | 17 | 42 | 111 | 1.7 | 3.1 |
| 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 868 | 255 | \$6,044,177 | 76.8% | 67,309 | 58.7 | 1.5 | 15,505.9 | 17 | 9 | 65 | 71 | 1.4 | 2.4 |
| 3323 Architectural & Structural Metals Mfg. | 1,107 | 307 | \$9,147,286 | 54.7% | 68,416 | 55.5 | 1.5 | 12,357.4 | 21 | 6 | 76 | 60 | 1.4 | 1.9 |
| 3261 Plastics Product Mfg. | 937 | 265 | \$6,806,672 | 58.4% | 52,369 | 56.6 | 1.5 | 11,179.3 | 20 | 8 | 71 | 68 | 1.4 | 1.7 |
| 3115 Dairy Product Mfg. | 180 | 79 | \$978,605 | 98.5% | 3,639 | 87.9 | 2.3 | 4,050.5 | 4 | 25 | 24 | 148 | 2.2 | 0.6 |
| 3222 Converted Paper Product Mfg. | 526 | 150 | \$3,573,733 | 44.3% | 23,056 | 57 | 1.5 | 8,759.6 | 19 | 15.5 | 70 | 109 | 1.4 | 1.4 |
| 3221 Pulp, Paper, & Paperboard Mills | 1,323 | 325 | \$6,112,852 | 41.3% | 9,885 | 49.1 | 1.3 | 1,494.6 | 31 | 4 | 96 | 56 | 1.2 | 0.2 |
| 3362 Motor Vehicle Body & Trailer Mfg. | 159 | 60 | \$1,251,960 | 59.8% | 9,064 | 75.7 | 2 | 11,432.8 | 6 | 29 | 34 | 163 | 1.9 | 1.8 |
| 3118 Bakeries & Tortilla Mfg. | 757 | 196 | \$3,512,345 | 112.6% | 25,620 | 51.8 | 1.4 | 6,768.9 | 25 | 11 | 86 | 93 | 1.3 | 1.1 |
| 3372 Office Furniture (including Fixtures) Mfg. | 267 | 80 | \$2,756,790 | 47.4% | 19,347 | 60 | 1.6 | 14,510.4 | 15 | 24 | 60 | 147 | 1.5 | 2.3 |
| 3273 Cement & Concrete Product Mfg. | 797 | 197 | \$6,611,326 | 50.6% | 41,265 | 49.4 | 1.3 | 10,352.4 | 30 | 10 | 95 | 92 | 1.2 | 1.6 |
| 3113 Sugar & Confectionery Product Mfg. | 109 | 43 | \$1,190,818 | 86.5% | 13,381 | 78.7 | 2.1 | 24,502.4 | 5 | 35 | 31 | 186 | 1.9 | 3.8 |
| 3117 Seafood Product Preparation & Packaging | 564 | 143 | \$3,173,407 | 58.9% | 24,432 | 50.7 | 1.3 | 8,660.0 | 28 | 18 | 92 | 113 | 1.2 | 1.3 |
| 3279 Other Nonmetallic Mineral Product Mfg. | 170 | 51 | \$1,760,801 | 39.3% | 9,630 | 59.9 | 1.6 | 11,307.1 | 16 | 31.5 | 61 | 176 | 1.5 | 1.8 |
| 3328 Coating, Engraving, Heat Treating, & Allied Activities | 178 | 51 | \$859,183 | 106.7% | 10,120 | 57.3 | 1.5 | 11,377.5 | 18 | 31.5 | 69 | 176 | 1.4 | 1.8 |
| 3366 Ship & Boat Bldg. | 511 | 125 | \$3,317,081 | 47.3% | 23,359 | 48.9 | 1.3 | 9,144.9 | 32 | 20 | 97 | 123 | 1.2 | 1.4 |
| 3114 Fruit & Vegetable Preserving & Specialty Food Mfg. | 1,733 | 317 | \$5,659,526 | 58.1% | 28,443 | 36.6 | 1 | 3,283.0 | 49 | 5 | 149 | 58 | 0.9 | 0.5 |
| 3329 Other Fabricated Metal Product Mfg. | 456 | 106 | \$3,828,120 | 52.1% | 25,628 | 46.5 | 1.2 | 11,240.0 | 33 | 21 | 103 | 134 | 1.1 | 1.7 |
| 3364 Aerospace Product & Parts Mfg. | 12,937 | 2,040 | \$49,869,009 | 62.8% | 28,951 | 31.5 | 0.8 | 447.6 | 55 | 1 | 167 | 6 | 0.8 | 0.1 |
| 3324 Boiler, Tank, & Shipping Container Mfg. | 175 | 46 | \$1,935,879 | 62.1% | 14,483 | 52.5 | 1.4 | 16,543.0 | 24 | 34 | 84 | 183 | 1.3 | 2.6 |
| 3116 Animal Slaughtering & Processing | 954 | 181 | \$2,096,170 | 109.4% | 16,520 | 37.9 | 1 | 3,461.8 | 47 | 12 | 143 | 96 | 0.9 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Manufacturing: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010. (26-49)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as | | | Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|---|--------------------|-------|-----------------|-------------------------|-----------|------|------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | %AF | Lost Days | Rate | | | | | | | | |
| 49 Industries Ranked in sector. | 43,386 | 8,291 | \$209,651,005 | 59.4% | 1,146,051 | 38.2 | 1 | 5,283.0 | 0 | 0 | 7 | 6 | 0.9 | 0.8 |
| 3327 Machine Shops; Turned Product; & Screw, Nut, & Bolt Mfg. | 409 | 94 | \$2,517,578 | 65.5% | 22,146 | 46 | 1.2 | 10,828.5 | 36 | 23 | 107 | 139 | 1.1 | 1.7 |
| 3334 Ventilation, Heating, Air-Conditioning, & Commercial Refrigeration Equip. Mfg. | 188 | 48 | \$915,108 | 79.1% | 9,681 | 51 | 1.3 | 10,296.1 | 26 | 33 | 88 | 179 | 1.3 | 1.6 |
| 3141 Textile Furnishings Mills | 78 | 25 | \$253,240 | 126.5% | 3,333 | 64.4 | 1.7 | 8,589.5 | 11 | 48.5 | 52 | 222 | 1.6 | 1.3 |
| 3119 Other Food Mfg. | 441 | 101 | \$2,039,057 | 83.6% | 12,893 | 45.8 | 1.2 | 5,844.3 | 38 | 22 | 109 | 136 | 1.1 | 0.9 |
| 3339 Other General Purpose Machinery Mfg. | 1,104 | 180 | \$4,058,319 | 44.7% | 15,256 | 32.6 | 0.9 | 2,763.1 | 54 | 13 | 162 | 97.5 | 0.8 | 0.4 |
| 3313 Alumina & Aluminum Production & Processing | 358 | 78 | \$3,836,402 | 49.3% | 7,748 | 43.6 | 1.1 | 4,327.7 | 42 | 26 | 116 | 150 | 1.1 | 0.7 |
| 3351 Electric Lighting Equip. Mfg. | 138 | 35 | \$969,480 | 68.0% | 5,155 | 50.7 | 1.3 | 7,473.7 | 27 | 43 | 91 | 202 | 1.2 | 1.2 |
| 3272 Glass & Glass Product Mfg. | 388 | 77 | \$2,032,040 | 69.4% | 11,533 | 39.7 | 1 | 5,943.2 | 44 | 27 | 132 | 153 | 1 | 0.9 |
| 3149 Other Textile Product Mills | 182 | 42 | \$405,002 | 107.3% | 5,657 | 46 | 1.2 | 6,199.6 | 35 | 36.5 | 106 | 188 | 1.1 | 1 |
| 3231 Printing & Related Support Activities | 1,002 | 150 | \$4,368,622 | 58.7% | 38,858 | 29.9 | 0.8 | 7,757.3 | 57 | 15.5 | 176 | 109 | 0.7 | 1.2 |
| 3331 Agriculture, Construction, & Mining Machinery Mfg. | 162 | 37 | \$1,821,235 | 41.4% | 7,863 | 45.8 | 1.2 | 9,726.6 | 39 | 40.5 | 110 | 197 | 1.1 | 1.5 |
| 3332 Industrial Machinery Mfg. | 442 | 74 | \$4,363,064 | 36.6% | 24,078 | 33.5 | 0.9 | 10,901.3 | 52 | 28 | 158 | 158 | 0.8 | 1.7 |
| 3399 Other Miscellaneous Mfg. | 1,031 | 138 | \$4,904,948 | 65.5% | 46,539 | 26.8 | 0.7 | 9,025.0 | 62 | 19 | 192 | 117 | 0.7 | 1.4 |
| 3363 Motor Vehicle Parts Mfg. | 222 | 42 | \$1,455,066 | 34.9% | 12,285 | 37.9 | 1 | 11,085.7 | 48 | 36.5 | 144 | 188 | 0.9 | 1.7 |
| 3111 Animal Food Mfg. | 154 | 33 | \$219,341 | 119.1% | 3,442 | 43 | 1.1 | 4,483.4 | 43 | 44.5 | 117 | 205 | 1.1 | 0.7 |
| 3259 Other Chemical Product & Preparation Mfg. | 156 | 30 | \$768,576 | 66.3% | 8,381 | 38.5 | 1 | 10,766.5 | 46 | 46 | 138 | 213 | 0.9 | 1.7 |
| 3335 Metalworking Machinery Mfg. | 266 | 39 | \$748,910 | 110.2% | 7,589 | 29.4 | 0.8 | 5,716.3 | 59 | 38 | 180 | 192 | 0.7 | 0.9 |
| 3252 Resin, Synthetic Rubber, & Artificial Synthetic Fibers & Filaments Mfg. | 151 | 27 | \$360,549 | 98.8% | 3,630 | 35.7 | 0.9 | 4,802.1 | 50 | 47 | 152 | 219 | 0.9 | 0.7 |
| 3333 Commercial & Service Industry Machinery Mfg. | 273 | 37 | \$771,202 | 53.5% | 5,425 | 27.2 | 0.7 | 3,981.5 | 61 | 40.5 | 188 | 197 | 0.7 | 0.6 |
| 3254 Pharmaceutical & Medicine Mfg. | 313 | 33 | \$169,061 | 153.5% | 2,620 | 21.1 | 0.6 | 1,673.0 | 65 | 44.5 | 213 | 205 | 0.5 | 0.3 |
| 3345 Navigational, Measuring, Electromedical, & Control Instruments Mfg. | 1,373 | 57 | \$924,747 | 75.9% | 7,872 | 8.3 | 0.2 | 1,147.0 | 80 | 30 | 275 | 166 | 0.2 | 0.2 |
| 3361 Motor Vehicle Mfg. | 442 | 36 | \$242,580 | . | 0 | 16.3 | 0.4 | 0 | 69 | 42 | 234 | 199 | 0.4 | 0 |
| 3344 Semiconductor & Other Electronic Component Mfg. | 878 | 38 | \$273,518 | 100.3% | 2,740 | 8.7 | 0.2 | 624.5 | 78 | 39 | 271 | 194 | 0.2 | 0.1 |
| 3241 Petroleum & Coal Products Mfg. | 419 | 25 | \$1,636,949 | 13.1% | 4,032 | 11.9 | 0.3 | 1,923.8 | 75 | 48.5 | 260 | 222 | 0.3 | 0.3 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Trade: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010. (1-21)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|--------|-----------------|--------------------------|-----------|------|------------------|---------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 42 Industries Ranked in sector. | 71,537 | 16,837 | \$290,434,253 | 65.2% | 2,260,002 | 47.1 | 1 | 6,318.4 | 0 | 0 | 5 | 3 | 1.2 | 1 |
| 4521 Department Stores | 6,902 | 2,475 | \$14,926,907 | 84.9% | 24,171 | 71.7 | 1.5 | 700.4 | 5 | 1 | 40 | 4 | 1.8 | 0.1 |
| 4441 Bldg. Material & Supplies Dealers | 3,806 | 1,397 | \$24,071,413 | 54.5% | 163,491 | 73.4 | 1.6 | 8,591.3 | 4 | 4 | 38 | 15 | 1.8 | 1.3 |
| 4451 Grocery Stores | 6,804 | 2,273 | \$24,214,219 | 75.3% | 141,782 | 66.8 | 1.4 | 4,167.3 | 7 | 2 | 48 | 5 | 1.6 | 0.6 |
| 4244 Grocery & Related Product Merchant Wholesalers | 5,032 | 1,804 | \$27,336,413 | 75.5% | 210,272 | 71.7 | 1.5 | 8,358.1 | 6 | 3 | 41 | 9 | 1.8 | 1.3 |
| 4529 Other General Merchandise Stores | 2,326 | 766 | \$8,245,289 | 89.1% | 43,135 | 65.9 | 1.4 | 3,709.7 | 8 | 5 | 49 | 25 | 1.6 | 0.6 |
| 4248 Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 685 | 322 | \$4,299,297 | 81.2% | 34,960 | 94 | 2 | 10,202.6 | 2 | 13 | 21 | 57 | 2.3 | 1.6 |
| 4421 Furniture Stores | 783 | 299 | \$5,514,429 | 69.2% | 63,428 | 76.3 | 1.6 | 16,193.1 | 3 | 14 | 33 | 61 | 1.9 | 2.5 |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,847 | 522 | \$11,834,526 | 59.7% | 102,022 | 56.5 | 1.2 | 11,047.8 | 11 | 8 | 72 | 33 | 1.4 | 1.7 |
| 4533 Used Merchandise Stores | 881 | 288 | \$2,977,471 | 91.8% | 40,223 | 65.4 | 1.4 | 9,134.3 | 9 | 15 | 51 | 64.5 | 1.6 | 1.4 |
| 4233 Lumber & Other Construction Materials Merchant Wholesalers | 1,268 | 350 | \$8,402,335 | 67.0% | 67,313 | 55.2 | 1.2 | 10,614.8 | 13 | 12 | 78 | 53 | 1.4 | 1.6 |
| 4539 Other Miscellaneous Store Retailers | 3,874 | 727 | \$20,306,383 | 63.7% | 176,433 | 37.5 | 0.8 | 9,107.4 | 23 | 6 | 145 | 28 | 0.9 | 1.4 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 1,959 | 373 | \$7,766,688 | 75.5% | 83,450 | 38.1 | 0.8 | 8,518.7 | 22 | 10 | 141 | 47 | 0.9 | 1.3 |
| 4542 Vending Machine Operators | 184 | 107 | \$1,652,801 | 57.5% | 11,754 | 116 | 2.5 | 12,786.3 | 1 | 32 | 12 | 133 | 2.9 | 2 |
| 4411 Automobile Dealers | 4,080 | 655 | \$23,197,648 | 50.2% | 168,824 | 32.1 | 0.7 | 8,276.5 | 28 | 7 | 163 | 30 | 0.8 | 1.3 |
| 4238 Machinery, Equip., & Supplies Merchant Wholesalers | 2,661 | 449 | \$13,163,027 | 52.9% | 93,335 | 33.7 | 0.7 | 7,015.4 | 26 | 9 | 157 | 40 | 0.8 | 1.1 |
| 4471 Gasoline Stations | 1,999 | 367 | \$7,470,269 | 74.3% | 75,389 | 36.7 | 0.8 | 7,541.2 | 24 | 11 | 148 | 49 | 0.9 | 1.2 |
| 4237 Hardware, & Plumbing & Heating Equip. & Supplies Merchant Wholesalers | 925 | 232 | \$4,761,192 | 67.8% | 37,787 | 50.2 | 1.1 | 8,169.0 | 17 | 18 | 93 | 79 | 1.2 | 1.3 |
| 4422 Home Furnishings Stores | 756 | 212 | \$5,433,907 | 68.0% | 55,145 | 56.1 | 1.2 | 14,583.6 | 12 | 23 | 74 | 88 | 1.4 | 2.3 |
| 4442 Lawn & Garden Equip. & Supplies Stores | 808 | 221 | \$4,478,667 | 91.6% | 57,317 | 54.7 | 1.2 | 14,186.5 | 14 | 22 | 80 | 85.5 | 1.3 | 2.2 |
| 4231 Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers | 886 | 226 | \$7,259,848 | 55.1% | 60,183 | 51 | 1.1 | 13,582.4 | 16 | 20.5 | 90 | 82.5 | 1.3 | 2.1 |
| 4235 Metal & Mineral (except Petroleum) Merchant Wholesalers | 370 | 112 | \$3,534,016 | 51.6% | 26,613 | 60.6 | 1.3 | 14,388.6 | 10 | 30.5 | 57 | 129 | 1.5 | 2.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Trade: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010. (22-42)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|---|--------------------|--------|-----------------|---------------|-----------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | Aid as %AF | | | | | | | | | | |
| 42 Industries Ranked in sector. | 71,537 | 16,837 | \$290,434,253 | 65.2% | 2,260,002 | 47.1 | 1 | 6,318.4 | 0 | 0 | 5 | 3 | 1.2 | 1 |
| 4239 Miscellaneous Durable Goods Merchant Wholesalers | 1,002 | 204 | \$4,057,910 | 66.8% | 40,372 | 40.7 | 0.9 | 8,062.1 | 19 | 24 | 124 | 89 | 1 | 1.3 |
| 4543 Direct Selling Establishments | 845 | 192 | \$6,910,910 | 53.0% | 54,321 | 45.5 | 1 | 12,861.3 | 18 | 25 | 112 | 94 | 1.1 | 2 |
| 4511 Sporting Goods, Hobby, & Musical Instrument Stores | 1,532 | 232 | \$3,102,819 | 95.8% | 30,820 | 30.3 | 0.6 | 4,024.0 | 30 | 18 | 175 | 79 | 0.7 | 0.6 |
| 4232 Furniture & Home Furnishing Merchant Wholesalers | 320 | 84 | \$1,457,131 | 63.8% | 15,571 | 52.5 | 1.1 | 9,734.5 | 15 | 33 | 85 | 146 | 1.3 | 1.5 |
| 4412 Other Motor Vehicle Dealers | 691 | 135 | \$5,035,900 | 46.4% | 32,354 | 39.1 | 0.8 | 9,366.2 | 21 | 29 | 134 | 118 | 1 | 1.5 |
| 4247 Petroleum & Petroleum Products Merchant Wholesalers | 370 | 75 | \$2,073,996 | 57.7% | 12,999 | 40.5 | 0.9 | 7,019.5 | 20 | 35 | 126 | 157 | 1 | 1.1 |
| 4431 Electronics & Appliance Stores | 2,836 | 233 | \$5,170,610 | 62.9% | 47,515 | 16.4 | 0.3 | 3,350.4 | 41 | 16 | 232 | 77 | 0.4 | 0.5 |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,359 | 226 | \$7,395,461 | 48.3% | 49,416 | 19.2 | 0.4 | 4,190.2 | 38 | 20.5 | 220 | 82.5 | 0.5 | 0.7 |
| 4532 Office Supplies, Stationery, & Gift Stores | 937 | 138 | \$3,116,474 | 70.5% | 29,968 | 29.4 | 0.6 | 6,394.8 | 31 | 28 | 179 | 117 | 0.7 | 1 |
| 4452 Specialty Food Stores | 708 | 112 | \$2,639,665 | 62.6% | 22,105 | 31.6 | 0.7 | 6,240.7 | 29 | 30.5 | 166 | 129 | 0.8 | 1 |
| 4481 Clothing Stores | 2,882 | 232 | \$2,858,626 | 101.4% | 33,890 | 16.1 | 0.3 | 2,351.7 | 43 | 18 | 237 | 79 | 0.4 | 0.4 |
| 4236 Electrical & Electronic Goods Merchant Wholesalers | 1,343 | 150 | \$4,232,618 | 60.7% | 36,525 | 22.3 | 0.5 | 5,438.6 | 36 | 27 | 208 | 109 | 0.5 | 0.8 |
| 4241 Paper & Paper Product Merchant Wholesalers | 352 | 58 | \$726,070 | 77.4% | 7,067 | 32.9 | 0.7 | 4,012.4 | 27 | 36 | 160 | 165 | 0.8 | 0.6 |
| 4461 Health & Personal Care Stores | 1,734 | 165 | \$2,329,858 | 78.9% | 17,763 | 19 | 0.4 | 2,048.4 | 39 | 26 | 222 | 104 | 0.5 | 0.3 |
| 4245 Farm Product Raw Material Merchant Wholesalers | 179 | 32 | \$372,560 | 72.8% | 3,658 | 35.8 | 0.8 | 4,094.0 | 25 | 41 | 151 | 207 | 0.9 | 0.6 |
| 4246 Chemical & Allied Products Merchant Wholesalers | 448 | 56 | \$1,996,229 | 52.1% | 17,189 | 25 | 0.5 | 7,678.6 | 34 | 37.5 | 199 | 169 | 0.6 | 1.2 |
| 4251 Wholesale Electronic Markets & Agents & Brokers | 357 | 46 | \$606,941 | 93.1% | 6,791 | 25.7 | 0.5 | 3,799.7 | 33 | 40 | 197 | 183 | 0.6 | 0.6 |
| 4531 Florists | 197 | 28 | \$365,950 | 109.1% | 5,200 | 28.4 | 0.6 | 5,270.3 | 32 | 42 | 185 | 216 | 0.7 | 0.8 |
| 4243 Apparel, Piece Goods, & Notions Merchant Wholesalers | 519 | 55 | \$1,169,886 | 106.1% | 14,861 | 21.2 | 0.5 | 5,724.4 | 37 | 39 | 212 | 171 | 0.5 | 0.9 |
| 4242 Drugs & Druggists' Sundries Merchant Wholesalers | 607 | 56 | \$1,225,548 | 91.1% | 11,925 | 18.4 | 0.4 | 3,927.4 | 40 | 37.5 | 225 | 169 | 0.5 | 0.6 |
| 4512 Book, Periodical, & Music Stores | 1,124 | 76 | \$1,058,198 | 77.0% | 14,238 | 13.5 | 0.3 | 2,534.4 | 44 | 34 | 250 | 156 | 0.3 | 0.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 10. Utilities: Washington State All Compensable BACK Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate | |
|---|--------------------|-------|--------------------|---------------|--------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 19 Industries Ranked in sector. | 15,825 | 6,192 | \$118,649,052 | 56.8% | 705,325 | 78.3 | 1 | 8,914.0 | 0 | 0 | 2 | 7 | 1.9 | 1.4 |
| 4811 Scheduled Air Transportation | 1,494 | 1,027 | \$8,971,714 | 71.4% | 26,638 | 137.4 | 1.8 | 3,564.8 | 1 | 2 | 2 | 21 | 3.4 | 0.6 |
| 4921 Couriers & Express Delivery Svcs. | 1,287 | 812 | \$8,753,873 | 73.8% | 18,346 | 126.2 | 1.6 | 2,851.5 | 2 | 3 | 6 | 23 | 3.1 | 0.4 |
| 4841 General Freight Trucking | 2,735 | 1,354 | \$40,463,485 | 44.0% | 229,073 | 99 | 1.3 | 16,748.2 | 6 | 1 | 15 | 17 | 2.4 | 2.6 |
| 4842 Specialized Freight Trucking | 935 | 574 | \$12,854,658 | 66.0% | 115,316 | 122.7 | 1.6 | 24,658.9 | 4 | 5 | 9 | 32 | 3 | 3.8 |
| 4852 Interurban & Rural Bus Transportation | 344 | 201 | \$3,700,850 | 43.6% | 17,477 | 116.7 | 1.5 | 10,150.8 | 5 | 8 | 11 | 91 | 2.9 | 1.6 |
| 2213 Water, Sewage & Other Systems | 2,199 | 612 | \$12,393,561 | 58.8% | 79,315 | 55.7 | 0.7 | 7,213.2 | 13 | 4 | 75 | 31 | 1.4 | 1.1 |
| 4851 Urban Transit Systems | 362 | 153 | \$2,358,369 | 41.5% | 4,216 | 84.6 | 1.1 | 2,329.9 | 9 | 9 | 28 | 107 | 2.1 | 0.4 |
| 4884 Support Activities for Road Transportation | 246 | 118 | \$3,052,191 | 72.0% | 35,624 | 95.8 | 1.2 | 28,921.2 | 7 | 12 | 18 | 125 | 2.4 | 4.5 |
| 4911 Postal Service | 44 | 27 | \$720,002 | 40.4% | 4,804 | 122.8 | 1.6 | 21,855.2 | 3 | 19 | 8 | 219 | 3 | 3.4 |
| 4931 Warehousing & Storage | 970 | 236 | \$4,213,918 | 92.5% | 45,581 | 48.7 | 0.6 | 9,399.3 | 16 | 7 | 98 | 75 | 1.2 | 1.5 |
| 4859 Other Transit & Ground Passenger Transportation | 289 | 107 | \$1,369,750 | 105.4% | 16,467 | 74 | 0.9 | 11,394.5 | 10 | 13 | 37 | 133 | 1.8 | 1.8 |
| 4922 Local Messengers & Local Delivery | 189 | 88 | \$1,259,962 | 84.2% | 17,186 | 93.3 | 1.2 | 18,229.1 | 8 | 15 | 22 | 141 | 2.3 | 2.8 |
| 2211 Electric Power Generation, Transmission & Distribution | 1,786 | 355 | \$6,798,389 | 49.1% | 9,089 | 39.8 | 0.5 | 1,017.8 | 20 | 6 | 130 | 52 | 1 | 0.2 |
| 4881 Support Activities for Air Transportation | 652 | 139 | \$2,365,818 | 67.2% | 22,134 | 42.6 | 0.5 | 6,790.9 | 18 | 10 | 119 | 115 | 1 | 1.1 |
| 4889 Other Support Activities for Transportation | 95 | 28 | \$185,562 | 153.7% | 3,024 | 58.8 | 0.8 | 6,347.0 | 12 | 18 | 64 | 216 | 1.4 | 1 |
| 4883 Support Activities for Water Transportation | 650 | 127 | \$3,346,692 | 27.8% | 12,792 | 39.1 | 0.5 | 3,935.6 | 21 | 11 | 135 | 122 | 1 | 0.6 |
| 4855 Charter Bus Industry | 111 | 30 | \$230,828 | 113.1% | 2,623 | 54 | 0.7 | 4,717.1 | 15 | 17 | 82 | 213 | 1.3 | 0.7 |
| 4885 Freight Transportation Arrangement | 681 | 91 | \$2,795,128 | 61.5% | 25,159 | 26.7 | 0.3 | 7,388.2 | 24 | 14 | 193 | 140 | 0.7 | 1.1 |
| 4853 Taxi & Limousine Service | 163 | 31 | \$759,700 | 64.0% | 9,687 | 38 | 0.5 | 11,861.8 | 22 | 16 | 142 | 209 | 0.9 | 1.8 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as | | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|--------|-----------------|-------------------|-----------|------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| | | | | | %AF | Lost Days | | | | | | |
| All | 289 | 390,591 | 19,618 | \$419,835,312 | 63.4% | 2,471,043 | 10 | 1,265.3 | 5 | 1 | 1 | 1 |
| Construction | 10 | 23,854 | 2,769 | \$113,510,549 | 48.3% | 690,347 | 23.2 | 5,788.2 | 1 | 4 | 2.3 | 4.6 |
| Transportation & Utilities | 28 | 15,825 | 1,779 | \$35,963,707 | 67.1% | 174,314 | 22.5 | 2,203.0 | 2 | 7 | 2.2 | 1.7 |
| Manufacturing | 77 | 43,386 | 2,592 | \$55,294,901 | 65.0% | 167,683 | 11.9 | 773 | 4 | 5 | 1.2 | 0.6 |
| Trade | 46 | 71,537 | 3,562 | \$57,453,030 | 74.8% | 399,290 | 10 | 1,116.3 | 6 | 3 | 1 | 0.9 |
| Services | 91 | 182,284 | 6,599 | \$114,517,341 | 72.9% | 734,812 | 7.2 | 806.2 | 9 | 2 | 0.7 | 0.6 |
| Mining | 3 | 541 | 45 | \$1,226,320 | 49.5% | 8,219 | 16.6 | 3,040.4 | 3 | 9 | 1.7 | 2.4 |
| Health Care | 18 | 43,091 | 1,829 | \$28,878,822 | 78.3% | 206,549 | 8.5 | 958.7 | 7 | 6 | 0.8 | 0.8 |
| Agriculture | 16 | 10,613 | 443 | \$12,990,643 | 57.5% | 89,829 | 8.3 | 1,692.8 | 8 | 8 | 0.8 | 1.3 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Top 25: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (289 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF | Lost Days | Rate | Severity Rate | Over- | Over- | Over- | Overall | Overall PI Rank |
|-----------|--|-----------------|-------|--------------------------|--------------------|-----------|------|---------------|----------|----------|-----------|---------------|-----------------|
| | | | | | Medical Aid as %AF | | | | all Rank | all Rank | all Ratio | Severity Rate | |
| C | 2382 Bldg. Equip. Contractors | 5,697.9 | 744 | \$37,713 | 42.8% | 211,629 | 26.1 | 7,428.3 | 17 | 4 | 2.6 | 5.9 | 1 |
| C | 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,887.8 | 398 | \$16,470 | 56.2% | 112,253 | 27.6 | 7,774.2 | 13 | 10 | 2.7 | 6.1 | 2.5 |
| U | 4921 Couriers & Express Delivery Svcs. | 1,286.7 | 260 | \$5,472 | 111.8% | 1,094 | 40.4 | 170 | 6 | 17 | 4 | 0.1 | 2.5 |
| C | 2361 Resid. Bldg. Construction | 3,835.3 | 456 | \$13,932 | 54.0% | 100,031 | 23.8 | 5,216.4 | 23 | 7 | 2.4 | 4.1 | 4 |
| U | 4841 General Freight Trucking | 2,735.5 | 353 | \$9,316 | 55.0% | 56,702 | 25.8 | 4,145.7 | 19 | 11.5 | 2.6 | 3.3 | 5 |
| S | 9211 Exec., Legislative, & Other General Govt. Support | 13,113.1 | 1,374 | \$18,016 | 59.3% | 18,351 | 21 | 279.9 | 30 | 1 | 2.1 | 0.2 | 6.5 |
| C | 2383 Bldg. Finishing Contractors | 3,346.0 | 406 | \$17,032 | 50.0% | 109,707 | 24.3 | 6,557.5 | 22 | 9 | 2.4 | 5.2 | 6.5 |
| S | 9221 Justice, Public Order, & Safety Activities | 2,740.6 | 353 | \$5,687 | 76.6% | 37,384 | 25.8 | 2,728.1 | 20 | 11.5 | 2.6 | 2.2 | 8 |
| U | 4811 Scheduled Air Transportation | 1,494.5 | 220 | \$2,645 | 81.7% | 3,835 | 29.4 | 513.2 | 11 | 23 | 2.9 | 0.4 | 9 |
| T | 2213 Water, Sewage & Other Systems | 2,199.2 | 245 | \$4,840 | 70.6% | 30,146 | 22.3 | 2,741.6 | 26 | 19 | 2.2 | 2.2 | 10 |
| U | 4842 Specialized Freight Trucking | 935.3 | 132 | \$3,406 | 71.7% | 30,014 | 28.2 | 6,418.1 | 12 | 37 | 2.8 | 5.1 | 11 |
| M | 3364 Aerospace Product & Parts Mfg. | 12,936.7 | 1,084 | \$21,650 | 43.8% | 6,161 | 16.8 | 95.2 | 49 | 2 | 1.7 | 0.1 | 12 |
| C | 2389 Other Specialty Trade Contractors | 2,463.9 | 247 | \$9,188 | 49.7% | 58,731 | 20 | 4,767.2 | 35 | 18 | 2 | 3.8 | 13 |
| S | 5621 Waste Collection | 775.4 | 103 | \$2,006 | 54.9% | 9,587 | 26.6 | 2,472.9 | 14 | 42 | 2.6 | 2 | 14 |
| C | 2362 Nonresidential Bldg. Construction | 2,462.7 | 230 | \$8,507 | 49.0% | 42,592 | 18.7 | 3,459.0 | 38 | 21 | 1.9 | 2.7 | 15 |
| S | 7112 Spectator Sports | 264.5 | 78 | \$1,061 | 104.4% | 2,543 | 59 | 1,922.7 | 2 | 57.5 | 5.9 | 1.5 | 16 |
| C | 2373 Highway, Street, & Bridge Construction | 1,157.4 | 130 | \$4,095 | 50.8% | 21,907 | 22.5 | 3,785.7 | 25 | 39 | 2.2 | 3 | 17 |
| A | 1133 Logging | 1,931.5 | 174 | \$7,594 | 42.5% | 39,597 | 18 | 4,100.1 | 43 | 25 | 1.8 | 3.2 | 18 |
| T | 4521 Department Stores | 6,902.2 | 516 | \$3,145 | 148.6% | 959 | 15 | 27.8 | 64 | 6 | 1.5 | 0 | 19.5 |
| M | 3221 Pulp, Paper, & Paperboard Mills | 1,322.8 | 133 | \$5,078 | 34.3% | 2,646 | 20.1 | 400.1 | 34 | 36 | 2 | 0.3 | 19.5 |
| C | 2371 Utility System Construction | 1,210.2 | 124 | \$6,010 | 37.8% | 31,307 | 20.5 | 5,173.9 | 31 | 40 | 2 | 4.1 | 21.5 |
| U | 4852 Interurban & Rural Bus Transportation | 344.3 | 67 | \$1,266 | 44.4% | 3,684 | 38.9 | 2,139.7 | 7 | 64 | 3.9 | 1.7 | 21.5 |
| H | 6231 Nursing Care Facilities | 2,842.0 | 229 | \$3,815 | 78.3% | 36,428 | 16.1 | 2,563.5 | 52 | 22 | 1.6 | 2 | 24 |
| S | 5617 Svcs. to Bldgs. & Dwellings | 4,318.1 | 337 | \$7,259 | 74.6% | 69,962 | 15.6 | 3,240.4 | 60 | 14 | 1.6 | 2.6 | 24 |
| U | 4851 Urban Transit Systems | 361.9 | 65 | \$916 | 149.2% | 822 | 35.9 | 454.3 | 9 | 65 | 3.6 | 0.4 | 24 |
| S | 6111 Elementary & Secondary Schools | 17,501.7 | 921 | \$9,545 | 74.4% | 11,030 | 10.5 | 126 | 114 | 3 | 1 | 0.1 | 41 |
| S | 7114 Agents & Managers for Artists, Athletes, Entertainers, & Other Public Figures | 22.1 | 9 | \$93 | 95.0% | 1,012 | 81.4 | 9,148.4 | 1 | 200 | 8.1 | 7.2 | 80 |
| A | 1131 Timber Tract Operations | 14.2 | 4 | \$106 | 64.8% | 808 | 56.4 | 11,398.8 | 3 | 238 | 5.6 | 9 | 112 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 11. Agriculture: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|---|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 3 Industries Ranked in sector. | 10,613 | 443 | \$12,990,643 | 57.5% | 89,829 | 8.3 | 1 | 1,692.8 | 0 | 0 | 8 | 8 | 0.8 | 1.3 |
| 1133 Logging | 1,932 | 174 | \$7,593,689 | 42.5% | 39,597 | 18 | 2.2 | 4,100.1 | 4 | 1 | 43 | 25 | 1.8 | 3.2 |
| 1113 Fruit & Tree Nut Farming | 3,697 | 100 | \$1,227,306 | 119.7% | 17,025 | 5.4 | 0.6 | 921 | 13 | 2 | 194 | 44 | 0.5 | 0.7 |
| 1151 Support Activities for Crop Production | 1,701 | 46 | \$871,443 | 83.5% | 7,203 | 5.4 | 0.6 | 847.2 | 12 | 3 | 193 | 89.5 | 0.5 | 0.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Construction: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 9 Industries Ranked in sector. | 23,854 | 2,769 | \$113,510,549 | 48.3% | 690,347 | 23.2 | 1 | 5,788.2 | 0 | 0 | 1 | 4 | 2.3 | 4.6 |
| 2382 Bldg. Equip. Contractors | 5,698 | 744 | \$37,712,877 | 42.8% | 211,629 | 26.1 | 1.1 | 7,428.3 | 2 | 1 | 17 | 4 | 2.6 | 5.9 |
| 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,888 | 398 | \$16,469,592 | 56.2% | 112,253 | 27.6 | 1.2 | 7,774.2 | 1 | 4 | 13 | 10 | 2.7 | 6.1 |
| 2361 Resid. Bldg. Construction | 3,835 | 456 | \$13,932,132 | 54.0% | 100,031 | 23.8 | 1 | 5,216.4 | 4 | 2 | 23 | 7 | 2.4 | 4.1 |
| 2383 Bldg. Finishing Contractors | 3,346 | 406 | \$17,032,407 | 50.0% | 109,707 | 24.3 | 1 | 6,557.5 | 3 | 3 | 22 | 9 | 2.4 | 5.2 |
| 2389 Other Specialty Trade Contractors | 2,464 | 247 | \$9,188,048 | 49.7% | 58,731 | 20 | 0.9 | 4,767.2 | 7 | 5 | 35 | 18 | 2 | 3.8 |
| 2373 Highway, Street, & Bridge Construction | 1,157 | 130 | \$4,095,026 | 50.8% | 21,907 | 22.5 | 1 | 3,785.7 | 5 | 7 | 25 | 39 | 2.2 | 3 |
| 2362 Nonresidential Bldg. Construction | 2,463 | 230 | \$8,506,654 | 49.0% | 42,592 | 18.7 | 0.8 | 3,459.0 | 8 | 6 | 38 | 21 | 1.9 | 2.7 |
| 2371 Utility System Construction | 1,210 | 124 | \$6,009,533 | 37.8% | 31,307 | 20.5 | 0.9 | 5,173.9 | 6 | 8 | 31 | 40 | 2 | 4.1 |
| 2379 Other Heavy & Civil Engineering Construction | 471 | 31 | \$559,513 | 62.1% | 2,153 | 13.2 | 0.6 | 913.3 | 9 | 9 | 79 | 115 | 1.3 | 0.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index: (rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Services: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010. (1-24)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate Rate | Severity Ratio | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|-------|--------------------|--------------------------------|--------------|--------------|-------------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| 48 Industries Ranked in sector. | 182,284 | 6,599 | \$114,517,341 | 72.9% | 734,812 | 7.2 | 1 | 806.2 | 0 | 0 | 9 | 2 | 0.7 | 0.6 | |
| 9211 Exec., Legislative, & Other General Government Support | 13,113 | 1,374 | \$18,016,261 | 59.3% | 18,351 | 21 | 2.9 | 279.9 | 6 | 1 | 30 | 1 | 2.1 | 0.2 | |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 353 | \$5,686,831 | 76.6% | 37,384 | 25.8 | 3.6 | 2,728.1 | 5 | 3 | 20 | 11.5 | 2.6 | 2.2 | |
| 5621 Waste Collection | 775 | 103 | \$2,006,467 | 54.9% | 9,587 | 26.6 | 3.7 | 2,472.9 | 3 | 12 | 14 | 42 | 2.6 | 2 | |
| 5617 Svcs. to Bldgs. & Dwellings | 4,318 | 337 | \$7,259,321 | 74.6% | 69,962 | 15.6 | 2.2 | 3,240.4 | 12 | 4 | 60 | 14 | 1.6 | 2.6 | |
| 7112 Spectator Sports | 265 | 78 | \$1,061,323 | 104.4% | 2,543 | 59 | 8.1 | 1,922.7 | 2 | 18.5 | 2 | 57.5 | 5.9 | 1.5 | |
| 5629 Remediation & Other Waste Management Svcs. | 1,915 | 138 | \$4,283,701 | 47.5% | 9,705 | 14.4 | 2 | 1,013.5 | 13 | 10 | 71 | 33.5 | 1.4 | 0.8 | |
| 8111 Automotive Repair & Maintenance | 2,659 | 171 | \$4,637,093 | 60.9% | 35,943 | 12.9 | 1.8 | 2,703.2 | 18 | 8 | 85 | 27 | 1.3 | 2.1 | |
| 7139 Other Amusement & Recreation Industries | 2,407 | 155 | \$2,286,309 | 88.5% | 22,230 | 12.9 | 1.8 | 1,846.8 | 17 | 9 | 84 | 29 | 1.3 | 1.5 | |
| 6111 Elementary & Secondary Schools | 17,502 | 921 | \$9,544,558 | 74.4% | 11,030 | 10.5 | 1.5 | 126 | 26 | 2 | 114 | 3 | 1 | 0.1 | |
| 5311 Lessors of Real Estate | 1,569 | 91 | \$1,358,787 | 81.4% | 12,094 | 11.6 | 1.6 | 1,542.0 | 20 | 14 | 101 | 49 | 1.2 | 1.2 | |
| 7211 Traveler Accommodation | 3,245 | 135 | \$1,656,733 | 110.5% | 22,248 | 8.3 | 1.1 | 1,371.1 | 31 | 11 | 150 | 35 | 0.8 | 1.1 | |
| 5613 Employment Svcs. | 5,796 | 219 | \$4,051,582 | 72.3% | 43,114 | 7.6 | 1 | 1,487.8 | 38 | 7 | 163 | 24 | 0.8 | 1.2 | |
| 5616 Investigation & Security Svcs. | 1,679 | 81 | \$1,263,959 | 80.2% | 13,393 | 9.7 | 1.3 | 1,595.7 | 28 | 17 | 129 | 55 | 1 | 1.3 | |
| 8114 Personal & Household Goods Repair & Maintenance | 416 | 33 | \$575,035 | 74.5% | 5,815 | 15.9 | 2.2 | 2,793.9 | 10 | 36 | 55 | 108 | 1.6 | 2.2 | |
| 8134 Civic & Social Organizations | 1,213 | 64 | \$689,893 | 111.1% | 6,720 | 10.5 | 1.5 | 1,107.7 | 25 | 21.5 | 113 | 66.5 | 1.1 | 0.9 | |
| 5313 Activities Related to Real Estate | 2,220 | 89 | \$3,320,011 | 59.2% | 34,080 | 8 | 1.1 | 3,070.6 | 32 | 15.5 | 152 | 51 | 0.8 | 2.4 | |
| 9241 Administration of Environmental Quality Programs | 1,017 | 57 | \$1,655,452 | 42.2% | 9,030 | 11.2 | 1.5 | 1,775.4 | 22 | 25.5 | 107 | 77 | 1.1 | 1.4 | |
| 8113 Commercial & Industrial Machinery & Equip. (except Automotive & Electronic) Repair & Maintenance | 556 | 36 | \$1,123,515 | 56.8% | 7,955 | 13 | 1.8 | 2,863.6 | 16 | 33 | 83 | 104 | 1.3 | 2.3 | |
| 8129 Other Personal Svcs. | 1,813 | 70 | \$1,486,173 | 86.9% | 15,156 | 7.7 | 1.1 | 1,671.6 | 34 | 20 | 155 | 61.5 | 0.8 | 1.3 | |
| 5622 Waste Treatment & Disposal | 268 | 25 | \$1,305,188 | 49.8% | 7,755 | 18.7 | 2.6 | 5,796.9 | 7 | 47.5 | 37 | 133 | 1.9 | 4.6 | |
| 5619 Other Support Svcs. | 807 | 41 | \$664,842 | 103.4% | 6,511 | 10.2 | 1.4 | 1,614.30 | 27 | 30 | 119 | 96 | 1 | 1.3 | |
| 8123 Drycleaning & Laundry Svcs. | 647 | 35 | \$693,917 | 93.0% | 7,274 | 10.8 | 1.5 | 2,248.8 | 23 | 34 | 111 | 105 | 1.1 | 1.8 | |
| 5322 Consumer Goods Rental | 588 | 33 | \$810,260 | 73.8% | 6,887 | 11.2 | 1.6 | 2,343.9 | 21 | 36 | 106 | 108 | 1.1 | 1.9 | |
| 7221 Full-Service Restaurants | 9,996 | 234 | \$4,133,721 | 86.7% | 47,483 | 4.7 | 0.6 | 950.1 | 53 | 6 | 209 | 20 | 0.5 | 0.8 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Services: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010. (25-48)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Lost Days | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|-------|--------------------|---------------|---------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | Aid as %AF | Rate | | | | | | | | | |
| 48 Industries Ranked in sector. | 182,284 | 6,599 | \$114,517,341 | 72.9% | 734,812 | 7.2 | 1 | 806.2 | 0 | 0 | 9 | 2 | 0.7 | 0.6 |
| 8122 Death Care Svcs. | 371 | 26 | \$450,925 | 94.6% | 2,409 | 14 | 1.9 | 1,299.5 | 14 | 45.5 | 75 | 130 | 1.4 | 1 |
| 5111 Newspaper, Periodical, Book, & Directory Publishers | 1,659 | 63 | \$1,016,696 | 98.1% | 3,834 | 7.6 | 1 | 462.3 | 37 | 23 | 162 | 69.5 | 0.8 | 0.4 |
| 7121 Museums, Historical Sites, & Similar Institutions | 423 | 26 | \$375,683 | 112.4% | 2,262 | 12.3 | 1.7 | 1,069.5 | 19 | 45.5 | 91 | 130 | 1.2 | 0.8 |
| 7223 Special Food Svcs. | 1,127 | 42 | \$932,275 | 92.5% | 10,319 | 7.5 | 1 | 1,831.8 | 40 | 27.5 | 165 | 93.5 | 0.7 | 1.4 |
| 7222 Limited-Service Eating Places | 14,447 | 281 | \$5,714,369 | 72.7% | 48,581 | 3.9 | 0.5 | 672.6 | 63 | 5 | 234 | 16 | 0.4 | 0.5 |
| 5611 Office Administrative Svcs. | 1,091 | 41 | \$815,409 | 83.1% | 9,264 | 7.5 | 1 | 1,698.9 | 39 | 30 | 164 | 96 | 0.7 | 1.3 |
| 5419 Other Professional, Scientific, & Technical Svcs. | 2,365 | 64 | \$1,528,536 | 83.4% | 17,388 | 5.4 | 0.7 | 1,470.6 | 48 | 21.5 | 192 | 66.5 | 0.5 | 1.2 |
| 6113 Colleges, Universities, & Professional Schools | 4,098 | 89 | \$1,877,315 | 70.5% | 11,050 | 4.3 | 0.6 | 539.3 | 56 | 15.5 | 221 | 51 | 0.4 | 0.4 |
| 5614 Business Support Svcs. | 3,372 | 78 | \$1,434,889 | 104.1% | 17,272 | 4.6 | 0.6 | 1,024.5 | 55 | 18.5 | 211 | 57.5 | 0.5 | 0.8 |
| 9231 Administration of Human Resource Programs | 1,528 | 42 | \$1,605,208 | 57.0% | 8,466 | 5.5 | 0.8 | 1,108.1 | 47 | 27.5 | 189 | 93.5 | 0.5 | 0.9 |
| 5413 Architectural, Engineering, & Related Svcs. | 5,256 | 96 | \$3,598,683 | 41.0% | 20,898 | 3.7 | 0.5 | 795.2 | 65 | 13 | 240 | 47 | 0.4 | 0.6 |
| 5324 Commercial & Industrial Machinery & Equip. Rental & Leasing | 736 | 28 | \$702,446 | 55.4% | 5,099 | 7.6 | 1.1 | 1,385.2 | 36 | 43 | 161 | 124 | 0.8 | 1.1 |
| 8133 Social Advocacy Organizations | 653 | 25 | \$474,511 | 64.5% | 3,840 | 7.7 | 1.1 | 1,176.7 | 35 | 47.5 | 158 | 133 | 0.8 | 0.9 |
| 8131 Religious Organizations | 2,780 | 57 | \$497,374 | 114.5% | 2,837 | 4.1 | 0.6 | 204.1 | 59 | 25.5 | 227 | 77 | 0.4 | 0.2 |
| 9261 Administration of Economic Program | 1,010 | 31 | \$524,369 | 66.0% | 2,622 | 6.1 | 0.8 | 519.3 | 45 | 40 | 185 | 115 | 0.6 | 0.4 |
| 7224 Drinking Places (Alcoholic Beverages) | 1,357 | 33 | \$355,559 | 118.2% | 6,632 | 4.9 | 0.7 | 977.3 | 52 | 36 | 205 | 108 | 0.5 | 0.8 |
| 5511 Management of Companies & Enterprises | 1,184 | 31 | \$298,938 | 153.4% | 2,342 | 5.2 | 0.7 | 395.7 | 49 | 40 | 198 | 115 | 0.5 | 0.3 |
| 8139 Business, Professional, Labor, Political, & Similar Organizations | 1,163 | 30 | \$563,942 | 114.4% | 3,359 | 5.2 | 0.7 | 577.9 | 50 | 42 | 199 | 120 | 0.5 | 0.5 |
| 5416 Management, Scientific, & Technical Consulting Svcs. | 4,187 | 62 | \$890,265 | 75.5% | 7,158 | 3 | 0.4 | 341.9 | 70 | 24 | 254 | 73 | 0.3 | 0.3 |
| 8121 Personal Care Svcs. | 1,536 | 32 | \$643,083 | 85.0% | 8,077 | 4.2 | 0.6 | 1,051.7 | 58 | 38 | 226 | 111 | 0.4 | 0.8 |
| 5242 Agencies, Brokerages, & Other Insurance Related Activities | 3,644 | 41 | \$428,404 | 91.5% | 122 | 2.3 | 0.3 | 6.7 | 75 | 30 | 260 | 96 | 0.2 | 0 |
| 5312 Offices of Real Estate Agents & Brokers | 4,258 | 37 | \$1,240,206 | 51.0% | 9,101 | 1.7 | 0.2 | 427.5 | 78 | 32 | 267 | 103 | 0.2 | 0.3 |
| 5412 Accounting, Tax Preparation, Bookkeeping, & Payroll Svcs. | 2,303 | 31 | \$669,991 | 81.0% | 7,606 | 2.7 | 0.4 | 660.7 | 72 | 40 | 256 | 115 | 0.3 | 0.5 |
| 5172 Wireless Telecommunications Carriers (except Satellite) | 1,801 | 27 | \$105,197 | . | 0 | 3 | 0.4 | 0 | 69 | 44 | 253 | 127 | 0.3 | 0 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Healthcare: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|---------------|--------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 13 Industries Ranked in sector. | 43,091 | 1,829 | \$28,878,822 | 78.3% | 206,549 | 8.5 | 1 | 958.7 | 0 | 0 | 7 | 6 | 0.8 | 0.8 |
| 6231 Nursing Care Facilities | 2,842 | 229 | \$3,815,031 | 78.3% | 36,428 | 16.1 | 1.9 | 2,563.5 | 3 | 2 | 52 | 22 | 1.6 | 2 |
| 6232 Residential Mental Retardation, Mental Health & Substance Abuse Facilities | 975 | 89 | \$1,920,648 | 73.0% | 12,755 | 18.3 | 2.1 | 2,615.6 | 2 | 6 | 39 | 51 | 1.8 | 2.1 |
| 6221 General Medical & Surgical Hospitals | 12,521 | 725 | \$8,536,280 | 39.7% | 5,726 | 11.6 | 1.4 | 91.5 | 8 | 1 | 102 | 5 | 1.2 | 0.1 |
| 6233 Community Care Facilities for the Elderly | 2,019 | 131 | \$2,103,398 | 94.5% | 23,349 | 13 | 1.5 | 2,312.4 | 6 | 3 | 81 | 38 | 1.3 | 1.8 |
| 6219 Other Ambulatory Health Care Svcs. | 755 | 80 | \$650,205 | 68.1% | 3,154 | 21.2 | 2.5 | 835.4 | 1 | 8 | 29 | 56 | 2.1 | 0.7 |
| 6243 Vocational Rehabilitation Svcs. | 1,234 | 88 | \$2,207,647 | 82.6% | 20,490 | 14.3 | 1.7 | 3,321.2 | 4 | 7 | 72 | 53 | 1.4 | 2.6 |
| 6216 Home Health Care Svcs. | 3,323 | 99 | \$2,280,857 | 88.9% | 31,251 | 6 | 0.7 | 1,881.0 | 11 | 4 | 186 | 45 | 0.6 | 1.5 |
| 6239 Other Residential Care Facilities | 1,049 | 62 | \$1,008,886 | 93.4% | 15,664 | 11.8 | 1.4 | 2,986.3 | 7 | 10 | 98 | 73 | 1.2 | 2.4 |
| 6241 Individual & Family Svcs. | 1,850 | 68 | \$1,045,649 | 90.8% | 12,924 | 7.4 | 0.9 | 1,397.4 | 10 | 9 | 167 | 63 | 0.7 | 1.1 |
| 6211 Offices of Physicians | 6,041 | 92 | \$2,251,124 | 50.6% | 11,572 | 3 | 0.4 | 383.1 | 17 | 5 | 252 | 48 | 0.3 | 0.3 |
| 6244 Child Day Care Svcs. | 2,041 | 44 | \$706,721 | 95.8% | 10,170 | 4.3 | 0.5 | 996.5 | 13 | 11 | 222 | 91 | 0.4 | 0.8 |
| 6214 Outpatient Care Centers | 2,478 | 39 | \$745,497 | 86.7% | 8,470 | 3.1 | 0.4 | 683.6 | 16 | 12 | 251 | 99.5 | 0.3 | 0.5 |
| 6213 Offices of Other Health Practitioners | 2,022 | 33 | \$496,012 | 86.4% | 5,877 | 3.3 | 0.4 | 581.3 | 15 | 13 | 247 | 108 | 0.3 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Manufacturing: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | | |
| 18 Industries Ranked in sector. | 43,386 | 2,592 | \$55,294,901 | 65.0% | 167,683 | 11.9 | 1 | 773 | 0 | 0 | 0 | 4 | 5 | 1.2 | 0.6 |
| 3221 Pulp, Paper, & Paperboard Mills | 1,323 | 133 | \$5,077,526 | 34.3% | 2,646 | 20.1 | 1.7 | 400.1 | 6 | 2 | 34 | 36 | 2 | 0.3 | |
| 3364 Aerospace Product & Parts Mfg. | 12,937 | 1,084 | \$21,649,667 | 43.8% | 6,161 | 16.8 | 1.4 | 95.2 | 9 | 1 | 49 | 2 | 1.7 | 0.1 | |
| 3366 Ship & Boat Bldg. | 511 | 63 | \$1,432,041 | 56.9% | 8,869 | 24.7 | 2.1 | 3,472.2 | 4 | 8 | 21 | 69.5 | 2.5 | 2.7 | |
| 3121 Beverage Mfg. | 1,169 | 98 | \$1,092,175 | 140.1% | 2,682 | 16.8 | 1.4 | 458.9 | 8 | 5 | 48 | 46 | 1.7 | 0.4 | |
| 3211 Sawmills & Wood Preservation | 851 | 77 | \$1,455,041 | 59.7% | 7,318 | 18.1 | 1.5 | 1,719.2 | 7 | 6 | 41 | 59 | 1.8 | 1.4 | |
| 3219 Other Wood Product Mfg. | 1,385 | 101 | \$3,281,878 | 59.6% | 19,563 | 14.6 | 1.2 | 2,824.8 | 15 | 4 | 68 | 43 | 1.5 | 2.2 | |
| 3273 Cement & Concrete Product Mfg. | 797 | 63 | \$680,718 | 100.7% | 2,594 | 15.8 | 1.3 | 650.8 | 12 | 8 | 56 | 69.5 | 1.6 | 0.5 | |
| 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 868 | 63 | \$811,380 | 108.8% | 9,220 | 14.5 | 1.2 | 2,124.0 | 16 | 8 | 69 | 69.5 | 1.4 | 1.7 | |
| 3114 Fruit & Vegetable Preserving & Specialty Food Mfg. | 1,733 | 104 | \$2,329,075 | 52.2% | 8,704 | 12 | 1 | 1,004.7 | 23 | 3 | 97 | 41 | 1.2 | 0.8 | |
| 3313 Alumina & Aluminum Production & Processing | 358 | 28 | \$706,579 | 94.3% | 323 | 15.6 | 1.3 | 180.4 | 13 | 14.5 | 59 | 124 | 1.6 | 0.1 | |
| 3315 Foundries | 424 | 26 | \$236,220 | 119.5% | 1,326 | 12.3 | 1 | 625.8 | 22 | 17 | 92 | 130 | 1.2 | 0.5 | |
| 3323 Architectural & Structural Metals Mfg. | 1,107 | 58 | \$890,517 | 69.3% | 7,161 | 10.5 | 0.9 | 1,293.4 | 30 | 10 | 115 | 75 | 1 | 1 | |
| 3118 Bakeries & Tortilla Mfg. | 757 | 39 | \$611,426 | 104.9% | 5,037 | 10.3 | 0.9 | 1,330.8 | 31 | 12 | 116 | 99.5 | 1 | 1.1 | |
| 3261 Plastics Product Mfg. | 937 | 46 | \$581,926 | 84.6% | 6,180 | 9.8 | 0.8 | 1,319.3 | 37 | 11 | 125 | 89.5 | 1 | 1 | |
| 3222 Converted Paper Product Mfg. | 526 | 27 | \$474,679 | 45.1% | 1,137 | 10.3 | 0.9 | 432 | 33 | 16 | 118 | 127 | 1 | 0.3 | |
| 3116 Animal Slaughtering & Processing | 954 | 31 | \$648,256 | 21.1% | 1,194 | 6.5 | 0.5 | 250.2 | 52 | 13 | 179 | 115 | 0.6 | 0.2 | |
| 3339 Other General Purpose Machinery Mfg. | 1,104 | 28 | \$1,065,763 | 26.0% | 1,977 | 5.1 | 0.4 | 358.1 | 57 | 14.5 | 200 | 124 | 0.5 | 0.3 | |
| 3399 Other Miscellaneous Mfg. | 1,031 | 25 | \$521,048 | 89.0% | 4,659 | 4.8 | 0.4 | 903.5 | 59 | 18 | 207 | 133 | 0.5 | 0.7 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Trade: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010. (1-15)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|---------------|--------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 30 Industries Ranked in sector. | 71,537 | 3,562 | \$57,453,030 | 74.8% | 399,290 | 10 | 1 | 1,116.3 | 0 | 0 | 6 | 3 | 1 | 0.9 |
| 4521 Department Stores | 6,902 | 516 | \$3,144,919 | 148.6% | 959 | 15 | 1.5 | 27.8 | 5 | 1 | 64 | 6 | 1.5 | 0 |
| 4441 Bldg. Material & Supplies Dealers | 3,806 | 297 | \$4,930,824 | 86.0% | 32,048 | 15.6 | 1.6 | 1,684.1 | 3 | 4 | 61 | 15 | 1.6 | 1.3 |
| 4244 Grocery & Related Product Merchant Wholesalers | 5,032 | 341 | \$5,311,799 | 88.1% | 32,900 | 13.6 | 1.4 | 1,307.7 | 9 | 3 | 77 | 13 | 1.3 | 1 |
| 4451 Grocery Stores | 6,804 | 417 | \$3,871,555 | 90.0% | 18,561 | 12.3 | 1.2 | 545.6 | 12 | 2 | 93 | 8 | 1.2 | 0.4 |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,847 | 138 | \$2,798,599 | 75.9% | 13,862 | 14.9 | 1.5 | 1,501.1 | 6 | 9 | 65 | 33.5 | 1.5 | 1.2 |
| 4248 Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 685 | 55 | \$1,110,887 | 84.2% | 11,834 | 16.1 | 1.6 | 3,453.6 | 2 | 16.5 | 54 | 81.5 | 1.6 | 2.7 |
| 4238 Machinery, Equip., & Supplies Merchant Wholesalers | 2,661 | 145 | \$3,925,850 | 62.5% | 27,616 | 10.9 | 1.1 | 2,075.7 | 15 | 7 | 108 | 30 | 1.1 | 1.6 |
| 4529 Other General Merchandise Stores | 2,326 | 141 | \$1,513,652 | 125.9% | 5,432 | 12.1 | 1.2 | 467.2 | 14 | 8 | 95 | 31.5 | 1.2 | 0.4 |
| 4422 Home Furnishings Stores | 756 | 56 | \$1,944,549 | 43.5% | 15,672 | 14.8 | 1.5 | 4,144.6 | 7 | 15 | 66 | 79.5 | 1.5 | 3.3 |
| 4543 Direct Selling Establishments | 845 | 54 | \$1,239,485 | 78.4% | 12,169 | 12.8 | 1.3 | 2,881.2 | 10 | 18.5 | 86 | 83.5 | 1.3 | 2.3 |
| 4539 Other Miscellaneous Store Retailers | 3,874 | 170 | \$3,257,721 | 69.5% | 25,679 | 8.8 | 0.9 | 1,325.5 | 23 | 6 | 139 | 28 | 0.9 | 1 |
| 4412 Other Motor Vehicle Dealers | 691 | 49 | \$1,012,718 | 62.7% | 6,784 | 14.2 | 1.4 | 1,963.9 | 8 | 21 | 74 | 87 | 1.4 | 1.6 |
| 4411 Automobile Dealers | 4,080 | 173 | \$4,873,680 | 66.9% | 36,077 | 8.5 | 0.9 | 1,768.7 | 25 | 5 | 144 | 26 | 0.8 | 1.4 |
| 4233 Lumber & Other Construction Materials Merchant Wholesale | 1,268 | 62 | \$541,175 | 129.8% | 4,177 | 9.8 | 1 | 658.7 | 18 | 13 | 126 | 73 | 1 | 0.5 |
| 4231 Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers | 886 | 54 | \$1,957,191 | 43.1% | 11,206 | 12.2 | 1.2 | 2,529.0 | 13 | 18.5 | 94 | 83.5 | 1.2 | 2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index: (rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Trade: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010. (16-30)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|---------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Aid as %AF | Lost Days | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 30 Industries Ranked in sector. | 71,537 | 3,562 | \$57,453,030 | 74.8% | 399,290 | 10 | 1 | 1,116.3 | 0 | 0 | 6 | 3 | 1 | 0.9 |
| 4247 Petroleum & Petroleum Products Merchant Wholesalers | 370 | 28 | \$288,225 | 94.4% | 1,699 | 15.1 | 1.5 | 917.5 | 4 | 29 | 63 | 124 | 1.5 | 0.7 |
| 4471 Gasoline Stations | 1,999 | 86 | \$1,422,781 | 84.6% | 18,425 | 8.6 | 0.9 | 1,843.1 | 24 | 10 | 143 | 54 | 0.9 | 1.5 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 1,959 | 75 | \$1,991,201 | 71.6% | 17,590 | 7.7 | 0.8 | 1,795.6 | 26 | 11 | 159 | 60 | 0.8 | 1.4 |
| 4421 Furniture Stores | 783 | 39 | \$639,524 | 88.2% | 6,084 | 10 | 1 | 1,553.2 | 17 | 23.5 | 124 | 99.5 | 1 | 1.2 |
| 4512 Book, Periodical, & Music Stores | 1,124 | 51 | \$440,745 | 143.9% | 5,960 | 9.1 | 0.9 | 1,060.9 | 22 | 20 | 136 | 85 | 0.9 | 0.8 |
| 4442 Lawn & Garden Equip. & Supplies Stores | 808 | 39 | \$953,274 | 91.7% | 10,286 | 9.7 | 1 | 2,545.9 | 19 | 23.5 | 128 | 99.5 | 1 | 2 |
| 4511 Sporting Goods, Hobby, & Musical Instrument Stores | 1,532 | 55 | \$602,139 | 102.0% | 5,478 | 7.2 | 0.7 | 715.2 | 27 | 16.5 | 170 | 81.5 | 0.7 | 0.6 |
| 4481 Clothing Stores | 2,882 | 70 | \$869,581 | 126.2% | 10,451 | 4.9 | 0.5 | 725.2 | 37 | 12 | 206 | 61.5 | 0.5 | 0.6 |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,359 | 57 | \$1,551,859 | 49.7% | 7,935 | 4.8 | 0.5 | 672.8 | 38 | 14 | 208 | 77 | 0.5 | 0.5 |
| 4237 Hardware, & Plumbing & Heating Equip. & Supplies Merchant Wholesalers | 925 | 32 | \$381,526 | 81.4% | 2,426 | 6.9 | 0.7 | 524.5 | 28 | 26 | 172 | 111 | 0.7 | 0.4 |
| 4532 Office Supplies, Stationery, & Gift Stores | 937 | 31 | \$425,057 | 106.9% | 5,025 | 6.6 | 0.7 | 1,072.3 | 29 | 27 | 175 | 115 | 0.7 | 0.8 |
| 4239 Miscellaneous Durable Goods Merchant Wholesalers | 1,002 | 27 | \$663,401 | 46.0% | 2,771 | 5.4 | 0.5 | 553.4 | 34 | 30 | 195 | 127 | 0.5 | 0.4 |
| 4431 Electronics & Appliance Stores | 2,836 | 48 | \$1,145,662 | 49.90% | 9,740 | 3.4 | 0.3 | 686.8 | 43 | 22 | 245 | 88 | 0.3 | 0.5 |
| 4461 Health & Personal Care Stores | 1,734 | 38 | \$439,766 | 95.3% | 3,006 | 4.4 | 0.4 | 346.6 | 40 | 25 | 220 | 102 | 0.4 | 0.3 |
| 4236 Electrical & Electronic Goods Merchant Wholesalers | 1,343 | 30 | \$470,523 | 101.3% | 4,376 | 4.5 | 0.4 | 651.6 | 39 | 28 | 216 | 120 | 0.4 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 11. Utilities: Washington State All Compensable KNEE Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|---------------|--------------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Lost Days | Rate | | | | | | | | |
| 13 Industries Ranked in sector. | 15,825 | 1,779 | \$35,963,707 | 67.1% | 174,314 | 22.5 | 1 | 2,203.0 | 0 | 0 | 2 | 7 | 2.2 | 1.7 |
| 4921 Couriers & Express Delivery Svcs. | 1,287 | 260 | \$5,471,510 | 111.8% | 1,094 | 40.4 | 1.8 | 170 | 2 | 2 | 6 | 17 | 4 | 0.1 |
| 4841 General Freight Trucking | 2,735 | 353 | \$9,315,675 | 55.0% | 56,702 | 25.8 | 1.1 | 4,145.7 | 9 | 1 | 19 | 11.5 | 2.6 | 3.3 |
| 4811 Scheduled Air Transportation | 1,494 | 220 | \$2,644,628 | 81.7% | 3,835 | 29.4 | 1.3 | 513.2 | 6 | 4 | 11 | 23 | 2.9 | 0.4 |
| 4852 Interurban & Rural Bus Transportation | 344 | 67 | \$1,266,131 | 44.4% | 3,684 | 38.9 | 1.7 | 2,139.7 | 3 | 7 | 7 | 64 | 3.9 | 1.7 |
| 4842 Specialized Freight Trucking | 935 | 132 | \$3,406,091 | 71.7% | 30,014 | 28.2 | 1.3 | 6,418.1 | 7 | 6 | 12 | 37 | 2.8 | 5.1 |
| 4851 Urban Transit Systems | 362 | 65 | \$915,741 | 149.2% | 822 | 35.9 | 1.6 | 454.3 | 5 | 8 | 9 | 65 | 3.6 | 0.4 |
| 2213 Water, Sewage & Other Systems | 2,199 | 245 | \$4,840,163 | 70.6% | 30,146 | 22.3 | 1 | 2,741.6 | 11 | 3 | 26 | 19 | 2.2 | 2.2 |
| 2211 Electric Power Generation, Transmission & Distribution | 1,786 | 141 | \$2,789,722 | 60.9% | 6,934 | 15.8 | 0.7 | 776.5 | 18 | 5 | 57 | 31.5 | 1.6 | 0.6 |
| 4884 Support Activities for Road Transportation | 246 | 29 | \$665,911 | 65.4% | 7,540 | 23.5 | 1 | 6,121.3 | 10 | 13 | 24 | 121 | 2.3 | 4.8 |
| 4881 Support Activities for Air Transportation | 652 | 56 | \$796,974 | 73.7% | 5,356 | 17.2 | 0.8 | 1,643.3 | 15 | 9 | 46 | 79.5 | 1.7 | 1.3 |
| 4859 Other Transit & Ground Passenger Transportation | 289 | 31 | \$530,241 | 118.8% | 4,521 | 21.5 | 1 | 3,128.3 | 12 | 12 | 28 | 115 | 2.1 | 2.5 |
| 4883 Support Activities for Water Transportation | 650 | 50 | \$606,210 | 65.7% | 3,358 | 15.4 | 0.7 | 1,033.1 | 19 | 10 | 62 | 86 | 1.5 | 0.8 |
| 4931 Warehousing & Storage | 970 | 43 | \$1,206,257 | 80.8% | 8,794 | 8.9 | 0.4 | 1,813.4 | 23 | 11 | 138 | 92 | 0.9 | 1.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 12. Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|--------|-----------------|-----------------------|-----------|-----------|---------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| | | | | | %AF | Lost Days | | | | | | | |
| All | 282 | 279,460 | 12,056 | \$569,889,880 | 58.4% | 4,800,840 | 8.6 | 3,435.8 | 7 | 1 | 1 | 1 | |
| Construction | 10 | 22,528 | 2,254 | \$165,213,333 | 44.2% | 1,125,375 | 20 | 9,991.1 | 1 | 4 | 2.3 | 2.9 | |
| Transportation & Utilities | 26 | 10,584 | 964 | \$40,847,361 | 54.0% | 306,462 | 18.2 | 5,791.1 | 2 | 7 | 2.1 | 1.7 | |
| Manufacturing | 73 | 21,131 | 1,298 | \$61,513,132 | 60.1% | 498,553 | 12.3 | 4,718.6 | 4 | 5 | 1.4 | 1.4 | |
| Trade | 46 | 52,502 | 2,312 | \$93,763,073 | 66.0% | 861,790 | 8.8 | 3,282.9 | 6 | 3 | 1 | 1 | |
| Health Care | 18 | 28,444 | 1,291 | \$45,775,863 | 70.6% | 473,253 | 9.1 | 3,327.6 | 5 | 6 | 1.1 | 1 | |
| Services | 90 | 135,733 | 3,629 | \$145,719,957 | 66.7% | 1,400,345 | 5.3 | 2,063.4 | 9 | 2 | 0.6 | 0.6 | |
| Mining | 4 | 431 | 29 | \$3,823,371 | 31.5% | 14,205 | 13.4 | 6,586.7 | 3 | 9 | 1.6 | 1.9 | |
| Agriculture | 15 | 8,538 | 279 | \$13,233,791 | 60.9% | 120,857 | 6.5 | 2,830.9 | 8 | 8 | 0.8 | 0.8 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 12. Top 25: Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (282 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF | | Lost Days | Severity Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio | Over-all PI Rank |
|-----------|--|-----------------|-------|--------------------------|------------|---------|-----------|---------------|---------------|--------------------|---------------------|---------------------|-----------------------------|------------------|
| | | | | | Aid as %AF | Medical | | | | | | | | |
| U | 4841 General Freight Trucking | 1,792.5 | 266 | \$16,518 | 45.2% | | 122,590 | 29.7 | 13,677.9 | 10 | 6 | 3.4 | 4 | 1 |
| C | 2382 Bldg. Equip. Contractors | 5,521.2 | 653 | \$47,309 | 45.8% | | 323,772 | 23.7 | 11,728.3 | 17 | 1 | 2.7 | 3.4 | 2 |
| C | 2383 Bldg. Finishing Contractors | 3,218.8 | 361 | \$29,893 | 42.7% | | 211,529 | 22.4 | 13,143.2 | 18 | 2 | 2.6 | 3.8 | 3 |
| C | 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,753.7 | 306 | \$21,054 | 47.8% | | 152,061 | 22.2 | 11,044.1 | 19 | 4 | 2.6 | 3.2 | 4 |
| H | 6231 Nursing Care Facilities | 2,454.4 | 254 | \$7,542 | 83.8% | | 89,719 | 20.7 | 7,310.9 | 24 | 7 | 2.4 | 2.1 | 5 |
| U | 4842 Specialized Freight Trucking | 935.3 | 140 | \$5,605 | 56.5% | | 46,964 | 29.9 | 10,042.7 | 9 | 24 | 3.5 | 2.9 | 6 |
| S | 5621 Waste Collection | 426.2 | 95 | \$3,689 | 54.2% | | 27,834 | 44.6 | 13,061.6 | 2 | 32 | 5.2 | 3.8 | 7 |
| C | 2361 Resid. Bldg. Construction | 3,725.8 | 326 | \$21,736 | 46.6% | | 164,660 | 17.5 | 8,838.8 | 48 | 3 | 2 | 2.6 | 8 |
| H | 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975.3 | 101 | \$3,857 | 58.8% | | 33,025 | 20.7 | 6,772.4 | 23 | 29.5 | 2.4 | 2 | 9 |
| M | 3211 Sawmills & Wood Preservation | 537.8 | 78 | \$4,411 | 53.1% | | 28,412 | 29 | 10,566.7 | 11 | 42 | 3.4 | 3.1 | 10 |
| T | 4441 Bldg. Material & Supplies Dealers | 1,991.5 | 182 | \$7,212 | 67.7% | | 69,130 | 18.3 | 6,942.4 | 41 | 16 | 2.1 | 2 | 11 |
| M | 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 818.7 | 87 | \$3,387 | 80.4% | | 32,908 | 21.3 | 8,039.6 | 22 | 35.5 | 2.5 | 2.3 | 12 |
| C | 2389 Other Specialty Trade Contractors | 2,463.9 | 216 | \$15,518 | 42.2% | | 110,427 | 17.5 | 8,963.4 | 47 | 11 | 2 | 2.6 | 13 |
| C | 2373 Highway, Street, & Bridge Construction | 900.1 | 91 | \$8,837 | 34.3% | | 43,050 | 20.2 | 9,565.8 | 29 | 33 | 2.3 | 2.8 | 14 |
| S | 9221 Justice, Public Order, & Safety Activities | 2,740.6 | 227 | \$6,392 | 66.8% | | 42,053 | 16.6 | 3,068.8 | 55 | 10 | 1.9 | 0.9 | 15.5 |
| U | 4852 Interurban & Rural Bus Transportation | 262.5 | 51 | \$1,412 | 57.2% | | 9,560 | 38.9 | 7,283.9 | 4 | 61 | 4.5 | 2.1 | 15.5 |
| H | 6243 Vocational Rehabilitation Svcs. | 1,112.2 | 103 | \$3,864 | 57.5% | | 37,152 | 18.5 | 6,680.6 | 38 | 28 | 2.1 | 1.9 | 17 |
| S | 5617 Svcs. to Bldgs. & Dwellings | 3,845.2 | 287 | \$13,556 | 66.8% | | 147,735 | 14.9 | 7,684.2 | 64 | 5 | 1.7 | 2.2 | 18 |
| M | 3116 Animal Slaughtering & Processing | 406.5 | 54 | \$2,308 | 96.8% | | 25,579 | 26.6 | 12,586.3 | 14 | 57.5 | 3.1 | 3.7 | 19 |
| S | 8123 Drycleaning & Laundry Svcs. | 530.3 | 57 | \$2,697 | 65.0% | | 25,987 | 21.5 | 9,800.4 | 20 | 54 | 2.5 | 2.9 | 20 |
| T | 4451 Grocery Stores | 2,702.1 | 207 | \$5,524 | 84.1% | | 63,696 | 15.3 | 4,714.6 | 61 | 13.5 | 1.8 | 1.4 | 21 |
| U | 4811 Scheduled Air Transportation | 299.2 | 45 | \$2,130 | 47.7% | | 13,829 | 30.1 | 9,245.1 | 8 | 68 | 3.5 | 2.7 | 22 |
| A | 1133 Logging | 706.4 | 69 | \$4,270 | 41.4% | | 32,215 | 19.5 | 9,120.3 | 31 | 47.5 | 2.3 | 2.7 | 23 |
| C | 2362 Nonresidential Bldg. Construction | 2,177.7 | 164 | \$11,401 | 44.6% | | 65,261 | 15.1 | 5,993.5 | 63 | 19 | 1.7 | 1.7 | 24 |
| S | 8111 Automotive Repair & Maintenance | 2,659.3 | 187 | \$11,055 | 53.0% | | 88,482 | 14.1 | 6,654.6 | 69 | 15 | 1.6 | 1.9 | 25.5 |
| C | 2371 Utility System Construction | 1,144.8 | 97 | \$7,947 | 33.1% | | 42,599 | 16.9 | 7,441.9 | 53 | 31 | 2 | 2.2 | 25.5 |
| M | 3115 Dairy Product Mfg. | 44.5 | 12 | \$233 | 64.7% | | 2,304 | 53.9 | 10,351.9 | 1 | 168 | 6.2 | 3 | 62 |
| M | 3132 Fabric Mills | 36.5 | 8 | \$989 | 22.8% | | 5,663 | 43.8 | 31,010.2 | 3 | 196 | 5.1 | 9 | 83 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 12. Agriculture: Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|---|--------------------|-------|--------------------|---------------|--------------|------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 3 Industries Ranked in sector. | 8,538 | 279 | \$13,233,791 | 60.9% | 120,857 | 6.5 | 1 | 2,830.9 | 0 | 0 | 8 | 8 | 0.8 | 0.8 |
| 1133 Logging | 706 | 69 | \$4,270,341 | 41.4% | 32,215 | 19.5 | 3 | 9,120.3 | 1 | 1 | 31 | 47.5 | 2.3 | 2.7 |
| 1151 Support Activities for Crop Production | 1,372 | 67 | \$2,140,039 | 96.8% | 27,439 | 9.8 | 1.5 | 4,000.2 | 4 | 2 | 119 | 50 | 1.1 | 1.2 |
| 1113 Fruit & Tree Nut Farming | 3,326 | 52 | \$1,460,343 | 107.3% | 20,871 | 3.1 | 0.5 | 1,255.1 | 15 | 3 | 243 | 59 | 0.4 | 0.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 12. Construction: Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|-------|--------------------|--------------------------------|-----------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 9 Industries Ranked in sector. | 22,528 | 2,254 | \$165,213,333 | 44.2% | 1,125,375 | 20 | 1 | 9,991.1 | 0 | 0 | 1 | 4 | 2.3 | 2.9 |
| 2382 Bldg. Equip. Contractors | 5,521 | 653 | \$47,308,834 | 45.8% | 323,772 | 23.7 | 1.2 | 11,728.3 | 1 | 1 | 17 | 1 | 2.7 | 3.4 |
| 2383 Bldg. Finishing Contractors | 3,219 | 361 | \$29,893,275 | 42.7% | 211,529 | 22.4 | 1.1 | 13,143.2 | 2 | 2 | 18 | 2 | 2.6 | 3.8 |
| 2381 Foundation, Structure, & Bldg. Exterior Contractor: | 2,754 | 306 | \$21,054,068 | 47.8% | 152,061 | 22.2 | 1.1 | 11,044.1 | 3 | 4 | 19 | 4 | 2.6 | 3.2 |
| 2361 Resid. Bldg. Construction | 3,726 | 326 | \$21,735,567 | 46.6% | 164,660 | 17.5 | 0.9 | 8,838.8 | 7 | 3 | 48 | 3 | 2 | 2.6 |
| 2389 Other Specialty Trade Contractors | 2,464 | 216 | \$15,517,565 | 42.2% | 110,427 | 17.5 | 0.9 | 8,963.4 | 6 | 5 | 47 | 11 | 2 | 2.6 |
| 2373 Highway, Street, & Bridge Construction | 900 | 91 | \$8,836,517 | 34.3% | 43,050 | 20.2 | 1 | 9,565.8 | 5 | 8 | 29 | 33 | 2.3 | 2.8 |
| 2379 Other Heavy & Civil Engineering Construction | 300 | 31 | \$1,152,070 | 70.1% | 7,733 | 20.6 | 1 | 5,149.1 | 4 | 9 | 25 | 99.5 | 2.4 | 1.5 |
| 2362 Nonresidential Bldg. Construction | 2,178 | 164 | \$11,401,316 | 44.6% | 65,261 | 15.1 | 0.8 | 5,993.5 | 9 | 6 | 63 | 19 | 1.7 | 1.7 |
| 2371 Utility System Construction | 1,145 | 97 | \$7,946,651 | 33.1% | 42,599 | 16.9 | 0.8 | 7,441.9 | 8 | 7 | 53 | 31 | 2 | 2.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 12. Services: Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010. (1-20)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|-------|--------------------|--------------------------------|-----------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| 40 Industries Ranked in sector. | 135,733 | 3,629 | \$145,719,957 | 66.7% | 1,400,345 | 5.3 | 1 | 2,063.4 | 0 | 0 | 9 | 2 | 0.6 | 0.6 |
| 5617 Svcs. to Bldgs. & Dwellings | 3,845 | 287 | \$13,555,865 | 66.8% | 147,735 | 14.9 | 2.8 | 7,684.2 | 7 | 1 | 64 | 5 | 1.7 | 2.2 |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 227 | \$6,391,569 | 66.8% | 42,053 | 16.6 | 3.1 | 3,068.8 | 5 | 3 | 55 | 10 | 1.9 | 0.9 |
| 5621 Waste Collection | 426 | 95 | \$3,688,500 | 54.2% | 27,834 | 44.6 | 8.3 | 13,061.6 | 1 | 10 | 2 | 32 | 5.2 | 3.8 |
| 8111 Automotive Repair & Maintenance | 2,659 | 187 | \$11,054,501 | 53.0% | 88,482 | 14.1 | 2.6 | 6,654.6 | 8 | 6 | 69 | 15 | 1.6 | 1.9 |
| 5311 Lessors of Real Estate | 1,565 | 101 | \$3,426,377 | 70.4% | 33,860 | 12.9 | 2.4 | 4,328.4 | 10 | 9 | 80 | 29.5 | 1.5 | 1.3 |
| 8123 Drycleaning & Laundry Svcs. | 530 | 57 | \$2,696,889 | 65.0% | 25,987 | 21.5 | 4 | 9,800.4 | 3 | 19 | 20 | 54 | 2.5 | 2.9 |
| 5613 Employment Svcs. | 4,908 | 213 | \$8,063,210 | 72.9% | 98,390 | 8.7 | 1.6 | 4,009.7 | 20 | 4 | 137 | 12 | 1 | 1.2 |
| 8121 Personal Care Svcs. | 1,536 | 86 | \$3,613,426 | 70.0% | 42,588 | 11.2 | 2.1 | 5,545.3 | 14 | 11 | 100 | 37 | 1.3 | 1.6 |
| 9211 Exec., Legislative, & Other General Govt. Support | 3,487 | 157 | \$6,723,352 | 61.8% | 54,872 | 9 | 1.7 | 3,147.7 | 19 | 7 | 130 | 20 | 1 | 0.9 |
| 7211 Traveler Accommodation | 2,871 | 121 | \$4,218,567 | 87.6% | 56,674 | 8.4 | 1.6 | 3,947.6 | 21 | 8 | 144 | 25 | 1 | 1.1 |
| 7223 Special Food Svcs. | 1,127 | 63 | \$2,620,458 | 77.1% | 31,548 | 11.2 | 2.1 | 5,600.2 | 15 | 17 | 101 | 52 | 1.3 | 1.6 |
| 5622 Waste Treatment & Disposal | 219 | 28 | \$951,041 | 81.7% | 7,619 | 25.6 | 4.8 | 6,961.9 | 2 | 31 | 16 | 108 | 3 | 2 |
| 6111 Elementary & Secondary Schools | 2,050 | 81 | \$2,744,910 | 69.0% | 20,203 | 7.9 | 1.5 | 1,971.0 | 24 | 12 | 151 | 39.5 | 0.9 | 0.6 |
| 9261 Administration of Economic Program | 1,010 | 48 | \$1,891,280 | 49.8% | 10,130 | 9.5 | 1.8 | 2,006.2 | 18 | 22 | 125 | 64.5 | 1.1 | 0.6 |
| 5629 Remediation & Other Waste Management Svcs. | 296 | 25 | \$1,115,548 | 73.4% | 10,820 | 16.9 | 3.2 | 7,322.2 | 4 | 38.5 | 54 | 120 | 2 | 2.1 |
| 8113 Commercial & Industrial Machinery & Equip. (except Automotive & Electronic) Repair & Maintenance | 427 | 27 | \$1,148,901 | 53.3% | 11,830 | 12.7 | 2.4 | 5,545.8 | 11 | 33 | 84 | 112 | 1.5 | 1.6 |
| 5313 Activities Related to Real Estate | 2,220 | 69 | \$3,100,572 | 54.6% | 30,919 | 6.2 | 1.2 | 2,785.8 | 31 | 15 | 176 | 47.5 | 0.7 | 0.8 |
| 7221 Full-Service Restaurants | 9,407 | 207 | \$7,605,187 | 80.0% | 92,549 | 4.4 | 0.8 | 1,967.7 | 44 | 5 | 209 | 13.5 | 0.5 | 0.6 |
| 7121 Museums, Historical Sites, & Similar Institutions | 423 | 25 | \$448,447 | 89.3% | 2,974 | 11.8 | 2.2 | 1,406.1 | 12 | 38.5 | 94 | 120 | 1.4 | 0.4 |
| 8134 Civic & Social Organizations | 1,069 | 39 | \$1,143,252 | 86.6% | 14,643 | 7.3 | 1.4 | 2,739.8 | 25 | 27 | 159 | 86 | 0.8 | 0.8 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 12. Services: Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010. (21-40)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|--------------------------------|-----------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 40 Industries Ranked in sector. | 135,733 | 3,629 | \$145,719,957 | 66.7% | 1,400,345 | 5.3 | 1 | 2,063.4 | 0 | 0 | 9 | 2 | 0.6 | 0.6 |
| 7222 Limited-Service Eating Places | 12,773 | 244 | \$8,330,246 | 76.8% | 86,328 | 3.8 | 0.7 | 1,351.7 | 52 | 2 | 226 | 8 | 0.4 | 0.4 |
| 8129 Other Personal Svcs. | 1,813 | 51 | \$2,056,178 | 57.2% | 16,195 | 5.6 | 1.1 | 1,786.2 | 35 | 21 | 187 | 61 | 0.7 | 0.5 |
| 5324 Commercial & Industrial Machinery & Equip. Rental & Leasing | 651 | 26 | \$1,121,401 | 64.7% | 8,569 | 8 | 1.5 | 2,631.1 | 23 | 35 | 150 | 115 | 0.9 | 0.8 |
| 5614 Business Support Svcs. | 3,372 | 74 | \$2,612,123 | 75.2% | 28,651 | 4.4 | 0.8 | 1,699.5 | 45 | 14 | 211 | 44 | 0.5 | 0.5 |
| 5619 Other Support Svcs. | 807 | 28 | \$1,267,062 | 64.5% | 13,407 | 6.9 | 1.3 | 3,324.1 | 28 | 31 | 168 | 108 | 0.8 | 1 |
| 5611 Office Administrative Svcs. | 1,030 | 31 | \$1,038,421 | 75.0% | 14,714 | 6 | 1.1 | 2,857.4 | 33 | 29 | 180 | 99.5 | 0.7 | 0.8 |
| 9231 Administration of Human Resource Programs | 1,528 | 42 | \$2,104,878 | 58.0% | 14,828 | 5.5 | 1 | 1,940.8 | 37 | 25.5 | 191 | 78 | 0.6 | 0.6 |
| 7139 Other Amusement & Recreation Industries | 2,386 | 56 | \$1,929,256 | 84.6% | 18,772 | 4.7 | 0.9 | 1,573.8 | 43 | 20 | 206 | 55 | 0.5 | 0.5 |
| 6113 Colleges, Universities, & Professional Schools | 3,943 | 77 | \$2,109,845 | 85.0% | 18,899 | 3.9 | 0.7 | 958.6 | 51 | 13 | 224 | 43 | 0.5 | 0.3 |
| 7224 Drinking Places (Alcoholic Beverages) | 1,357 | 38 | \$1,050,502 | 106.8% | 17,000 | 5.6 | 1 | 2,505.1 | 36 | 28 | 188 | 89.5 | 0.6 | 0.7 |
| 5511 Management of Companies & Enterprises | 1,124 | 28 | \$1,283,696 | 61.1% | 6,779 | 5 | 0.9 | 1,206.0 | 41 | 31 | 201 | 108 | 0.6 | 0.4 |
| 9241 Administration of Environmental Quality Programs | 1,017 | 26 | \$855,691 | 56.6% | 6,153 | 5.1 | 1 | 1,209.7 | 40 | 35 | 199 | 115 | 0.6 | 0.4 |
| 5416 Management, Scientific, & Technical Consulting Svc | 4,187 | 67 | \$2,788,822 | 70.1% | 25,867 | 3.2 | 0.6 | 1,235.5 | 64 | 16 | 240 | 50 | 0.4 | 0.4 |
| 5419 Other Professional, Scientific, & Technical Svcs. | 2,365 | 43 | \$1,831,427 | 66.4% | 18,464 | 3.6 | 0.7 | 1,561.6 | 58 | 24 | 232 | 73.5 | 0.4 | 0.5 |
| 5412 Accounting, Tax Preparation, Bookkeeping, & Payroll Svcs. | 2,303 | 42 | \$1,617,238 | 63.6% | 18,857 | 3.6 | 0.7 | 1,637.9 | 57 | 25.5 | 231 | 78 | 0.4 | 0.5 |
| 5111 Newspaper, Periodical, Book, & Directory Publishers | 1,158 | 25 | \$874,240 | 79.2% | 10,714 | 4.3 | 0.8 | 1,850.1 | 46 | 38.5 | 212 | 120 | 0.5 | 0.5 |
| 5413 Architectural, Engineering, & Related Svcs. | 5,256 | 58 | \$3,038,011 | 49.6% | 22,484 | 2.2 | 0.4 | 855.5 | 70 | 18 | 255 | 53 | 0.3 | 0.2 |
| 5616 Investigation & Security Svcs. | 1,387 | 26 | \$1,270,434 | 56.6% | 12,051 | 3.7 | 0.7 | 1,737.9 | 55 | 35 | 229 | 115 | 0.4 | 0.5 |
| 5312 Offices of Real Estate Agents & Brokers | 4,258 | 44 | \$2,294,805 | 66.8% | 21,215 | 2.1 | 0.4 | 996.4 | 71 | 23 | 257 | 69.5 | 0.2 | 0.3 |
| 5221 Depository Credit Intermediation | 3,961 | 25 | \$1,270,029 | 62.1% | 12,791 | 1.3 | 0.2 | 645.9 | 82 | 38.5 | 270 | 120 | 0.1 | 0.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 12. Healthcare: Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 13 Industries Ranked in sector. | 28,444 | 1,291 | \$45,775,863 | 70.6% | 473,253 | 9.1 | 1 | 3,327.6 | 0 | 0 | 5 | 6 | 1.1 | 1 |
| 6231 Nursing Care Facilities | 2,454 | 254 | \$7,542,494 | 83.8% | 89,719 | 20.7 | 2.3 | 7,310.9 | 3 | 1 | 24 | 7 | 2.4 | 2.1 |
| 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975 | 101 | \$3,857,156 | 58.8% | 33,025 | 20.7 | 2.3 | 6,772.4 | 2 | 6 | 23 | 29.5 | 2.4 | 2 |
| 6233 Community Care Facilities for the Elderly | 1,935 | 141 | \$4,586,758 | 85.7% | 62,934 | 14.6 | 1.6 | 6,505.3 | 6 | 3 | 68 | 23 | 1.7 | 1.9 |
| 6243 Vocational Rehabilitation Svcs. | 1,112 | 103 | \$3,863,542 | 57.5% | 37,152 | 18.5 | 2 | 6,680.6 | 4 | 5 | 38 | 28 | 2.1 | 1.9 |
| 6216 Home Health Care Svcs. | 3,323 | 145 | \$5,576,863 | 65.6% | 62,724 | 8.7 | 1 | 3,775.4 | 10 | 2 | 135 | 22 | 1 | 1.1 |
| 6239 Other Resid. Care Facilities | 1,049 | 67 | \$2,514,006 | 62.3% | 27,563 | 12.8 | 1.4 | 5,254.8 | 7 | 8 | 81 | 50 | 1.5 | 1.5 |
| 6211 Offices of Physicians | 4,662 | 107 | \$3,362,126 | 84.6% | 32,594 | 4.6 | 0.5 | 1,398.3 | 14 | 4 | 207 | 27 | 0.5 | 0.4 |
| 6241 Individual & Family Svcs. | 1,850 | 79 | \$3,041,484 | 71.4% | 33,799 | 8.5 | 0.9 | 3,654.4 | 11 | 7 | 142 | 41 | 1 | 1.1 |
| 6221 General Medical & Surgical Hospitals | 433 | 39 | \$1,051,957 | 61.4% | 6,370 | 18 | 2 | 2,943.1 | 5 | 13 | 44 | 86 | 2.1 | 0.9 |
| 6213 Offices of Other Health Practitioners | 2,022 | 54 | \$1,618,091 | 75.6% | 15,221 | 5.3 | 0.6 | 1,505.6 | 12 | 9 | 195 | 57.5 | 0.6 | 0.4 |
| 6214 Outpatient Care Centers | 2,478 | 49 | \$1,241,281 | 75.7% | 9,870 | 4 | 0.4 | 796.6 | 17 | 10 | 223 | 63 | 0.5 | 0.2 |
| 6244 Child Day Care Svcs. | 2,041 | 43 | \$759,320 | 108.1% | 10,001 | 4.2 | 0.5 | 979.9 | 16 | 12 | 216 | 73.5 | 0.5 | 0.3 |
| 6212 Offices of Dentists | 2,428 | 47 | \$2,564,980 | 54.6% | 22,116 | 3.9 | 0.4 | 1,821.6 | 18 | 11 | 225 | 66 | 0.4 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 12. Manufacturing: Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 18 Industries Ranked in sector. | 21,131 | 1,298 | \$61,513,132 | 60.1% | 498,553 | 12.3 | 1 | 4,718.6 | 0 | 0 | 4 | 5 | 1.4 | 1.4 |
| 3211 Sawmills & Wood Preservation | 538 | 78 | \$4,411,252 | 53.1% | 28,412 | 29 | 2.4 | 10,566.7 | 5 | 3 | 11 | 42 | 3.4 | 3.1 |
| 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 819 | 87 | \$3,386,609 | 80.4% | 32,908 | 21.3 | 1.7 | 8,039.6 | 8 | 1 | 22 | 35.5 | 2.5 | 2.3 |
| 3116 Animal Slaughtering & Processing | 406 | 54 | \$2,308,288 | 96.8% | 25,579 | 26.6 | 2.2 | 12,586.3 | 6 | 5 | 14 | 57.5 | 3.1 | 3.7 |
| 3219 Other Wood Product Mfg. | 969 | 83 | \$3,524,941 | 63.3% | 31,356 | 17.1 | 1.4 | 6,473.0 | 19 | 2 | 49 | 38 | 2 | 1.9 |
| 3222 Converted Paper Product Mfg. | 412 | 40 | \$2,350,669 | 40.9% | 11,730 | 19.4 | 1.6 | 5,687.9 | 11 | 10 | 32 | 82 | 2.2 | 1.7 |
| 3273 Cement & Concrete Product Mfg. | 460 | 43 | \$1,796,568 | 46.7% | 12,228 | 18.7 | 1.5 | 5,311.0 | 13 | 8.5 | 36 | 73.5 | 2.2 | 1.5 |
| 3323 Architectural & Structural Metals Mfg. | 908 | 70 | \$2,984,464 | 69.0% | 23,250 | 15.4 | 1.3 | 5,121.7 | 24 | 4 | 60 | 46 | 1.8 | 1.5 |
| 3212 Veneer, Plywood, & Engineered Wood Product Mfg. | 411 | 37 | \$2,383,981 | 40.9% | 15,991 | 18 | 1.5 | 7,777.0 | 17 | 12 | 45 | 91.5 | 2.1 | 2.3 |
| 3315 Foundries | 421 | 36 | \$1,251,478 | 76.3% | 11,973 | 17.1 | 1.4 | 5,681.4 | 20 | 13 | 50 | 93 | 2 | 1.7 |
| 3221 Pulp, Paper, & Paperboard Mills | 329 | 28 | \$2,019,333 | 36.7% | 10,507 | 17 | 1.4 | 6,395.0 | 22 | 17 | 52 | 108 | 2 | 1.9 |
| 3329 Other Fabricated Metal Product Mfg. | 456 | 34 | \$2,256,531 | 47.2% | 13,673 | 14.9 | 1.2 | 5,996.8 | 26 | 14 | 65 | 94.5 | 1.7 | 1.7 |
| 3261 Plastics Product Mfg. | 766 | 43 | \$1,827,068 | 61.7% | 15,347 | 11.2 | 0.9 | 4,007.1 | 36 | 8.5 | 99 | 73.5 | 1.3 | 1.2 |
| 3366 Ship & Boat Bldg. | 380 | 26 | \$1,345,578 | 52.5% | 11,348 | 13.7 | 1.1 | 5,966.3 | 29 | 18 | 73 | 115 | 1.6 | 1.7 |
| 3231 Printing & Related Support Activities | 1,002 | 48 | \$1,938,442 | 67.0% | 17,703 | 9.6 | 0.8 | 3,534.1 | 45 | 6 | 123 | 64.5 | 1.1 | 1 |
| 3399 Other Miscellaneous Mfg. | 958 | 44 | \$2,234,261 | 66.0% | 21,428 | 9.2 | 0.7 | 4,474.3 | 47 | 7 | 128 | 69.5 | 1.1 | 1.3 |
| 3121 Beverage Mfg. | 780 | 39 | \$1,041,354 | 69.8% | 9,897 | 10 | 0.8 | 2,538.0 | 43 | 11 | 116 | 86 | 1.2 | 0.7 |
| 3117 Seafood Product Preparation & Packaging | 557 | 29 | \$937,233 | 87.2% | 11,029 | 10.4 | 0.8 | 3,961.3 | 41 | 16 | 112 | 105 | 1.2 | 1.2 |
| 3364 Aerospace Product & Parts Mfg. | 1,123 | 32 | \$2,213,074 | 57.9% | 16,570 | 5.7 | 0.5 | 2,950.0 | 62 | 15 | 184 | 97 | 0.7 | 0.9 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 12. Trade: Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|---|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 28 Industries Ranked in sector. | 52,502 | 2,312 | \$93,763,073 | 66.0% | 861,790 | 8.8 | 1 | 3,282.9 | 0 | 0 | 6 | 3 | 1 | 1 |
| 4441 Bldg. Material & Supplies Dealers | 1,992 | 182 | \$7,212,051 | 67.7% | 69,130 | 18.3 | 2.1 | 6,942.4 | 2 | 3 | 41 | 16 | 2.1 | 2 |
| 4451 Grocery Stores | 2,702 | 207 | \$5,524,469 | 84.1% | 63,696 | 15.3 | 1.7 | 4,714.6 | 4 | 2 | 61 | 13.5 | 1.8 | 1.4 |
| 4244 Grocery & Related Product Merchant Wholesalers | 3,898 | 238 | \$8,094,790 | 82.2% | 81,353 | 12.2 | 1.4 | 4,173.7 | 10 | 1 | 89 | 9 | 1.4 | 1.2 |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,231 | 81 | \$3,036,514 | 73.5% | 25,510 | 13.2 | 1.5 | 4,144.8 | 6 | 9 | 78 | 39.5 | 1.5 | 1.2 |
| 4233 Lumber & Other Construction Materials Merchant Wholesalers | 1,201 | 73 | \$2,924,012 | 58.7% | 19,541 | 12.2 | 1.4 | 3,253.6 | 11 | 10 | 91 | 45 | 1.4 | 0.9 |
| 4411 Automobile Dealers | 4,080 | 180 | \$13,210,863 | 44.5% | 92,442 | 8.8 | 1 | 4,531.9 | 21 | 4 | 133 | 17 | 1 | 1.3 |
| 4471 Gasoline Stations | 1,803 | 87 | \$2,283,203 | 113.8% | 32,444 | 9.7 | 1.1 | 3,599.6 | 17 | 8 | 120 | 35.5 | 1.1 | 1 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 1,938 | 90 | \$3,544,403 | 63.2% | 30,213 | 9.3 | 1.1 | 3,117.7 | 19 | 7 | 127 | 34 | 1.1 | 0.9 |
| 4529 Other General Merchandise Stores | 696 | 42 | \$1,523,181 | 68.5% | 19,567 | 12.1 | 1.4 | 5,623.6 | 12 | 15 | 92 | 78 | 1.4 | 1.6 |
| 4421 Furniture Stores | 780 | 43 | \$1,299,937 | 85.9% | 16,407 | 11 | 1.3 | 4,207.5 | 14 | 13.5 | 103 | 73.5 | 1.3 | 1.2 |
| 4248 Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 632 | 39 | \$875,026 | 94.1% | 9,827 | 12.3 | 1.4 | 3,109.9 | 9 | 18.5 | 88 | 86 | 1.4 | 0.9 |
| 4539 Other Miscellaneous Store Retailers | 3,868 | 167 | \$6,862,472 | 67.8% | 62,521 | 8.6 | 1 | 3,233.1 | 23 | 5 | 139 | 18 | 1 | 0.9 |
| 4543 Direct Selling Establishments | 845 | 43 | \$2,019,543 | 60.7% | 20,403 | 10.2 | 1.2 | 4,830.7 | 15 | 13.5 | 114 | 73.5 | 1.2 | 1.4 |
| 4239 Miscellaneous Durable Goods Merchant Wholesalers | 975 | 46 | \$2,149,004 | 42.0% | 14,683 | 9.4 | 1.1 | 3,012.9 | 18 | 12 | 126 | 67 | 1.1 | 0.9 |
| 4235 Metal & Mineral (except Petroleum) Merchant Wholesalers | 344 | 28 | \$1,649,509 | 48.0% | 10,642 | 16.3 | 1.8 | 6,186.2 | 3 | 28 | 57 | 108 | 1.9 | 1.8 |
| 4238 Machinery, Equip., & Supplies Merchant Wholesalers | 2,658 | 112 | \$5,841,368 | 53.9% | 44,821 | 8.4 | 1 | 3,372.2 | 27 | 6 | 145 | 26 | 1 | 1 |
| 4231 Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers | 863 | 38 | \$1,185,983 | 88.3% | 8,858 | 8.8 | 1 | 2,053.1 | 22 | 20 | 134 | 89.5 | 1 | 0.6 |
| 4532 Office Supplies, Stationery, & Gift Stores | 937 | 40 | \$1,760,184 | 65.9% | 17,499 | 8.5 | 1 | 3,734.1 | 26 | 16.5 | 143 | 82 | 1 | 1.1 |
| 4237 Hardware, & Plumbing & Heating Equip. & Supplies Merchant Wholesalers | 787 | 34 | \$1,111,938 | 79.5% | 10,611 | 8.6 | 1 | 2,695.1 | 24 | 21 | 140 | 94.5 | 1 | 0.8 |
| 4511 Sporting Goods, Hobby, & Musical Instrument Stores | 1,129 | 40 | \$1,426,996 | 77.1% | 16,765 | 7.1 | 0.8 | 2,970.1 | 31 | 16.5 | 163 | 82 | 0.8 | 0.9 |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,337 | 55 | \$2,679,305 | 46.9% | 17,943 | 4.7 | 0.5 | 1,535.4 | 37 | 11 | 205 | 56 | 0.5 | 0.4 |
| 4533 Used Merchandise Stores | 723 | 31 | \$1,058,038 | 69.4% | 10,933 | 8.6 | 1 | 3,022.7 | 25 | 23.5 | 141 | 99.5 | 1 | 0.9 |
| 4442 Lawn & Garden Equip. & Supplies Stores | 808 | 31 | \$1,370,403 | 69.6% | 14,383 | 7.7 | 0.9 | 3,559.9 | 30 | 23.5 | 153 | 99.5 | 0.9 | 1 |
| 4422 Home Furnishings Stores | 733 | 30 | \$1,288,013 | 58.1% | 13,090 | 8.2 | 0.9 | 3,572.6 | 28 | 25.5 | 146 | 103 | 0.9 | 1 |
| 4452 Specialty Food Stores | 708 | 29 | \$1,491,950 | 67.8% | 13,585 | 8.2 | 0.9 | 3,835.3 | 29 | 27 | 147 | 105 | 0.9 | 1.1 |
| 4481 Clothing Stores | 1,775 | 39 | \$1,463,523 | 66.2% | 18,011 | 4.4 | 0.5 | 2,028.9 | 39 | 18.5 | 210 | 86 | 0.5 | 0.6 |
| 4236 Electrical & Electronic Goods Merchant Wholesalers | 1,343 | 30 | \$1,078,732 | 67.6% | 10,502 | 4.5 | 0.5 | 1,563.7 | 38 | 25.5 | 208 | 103 | 0.5 | 0.5 |
| 4431 Electronics & Appliance Stores | 2,771 | 33 | \$1,265,544 | 57.0% | 10,471 | 2.4 | 0.3 | 755.7 | 46 | 22 | 253 | 96 | 0.3 | 0.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 12. Utilities: Washington State All Compensable ROTATOR CUFF Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 11 Industries Ranked in sector. | 10,584 | 964 | \$40,847,361 | 54.0% | 306,462 | 18.2 | 1 | 5,791.1 | 0 | 0 | 2 | 7 | 2.1 | 1.7 |
| 4852 Interurban & Rural Bus Transportation | 262 | 51 | \$1,411,772 | 57.2% | 9,560 | 38.9 | 2.1 | 7,283.9 | 1 | 4.5 | 4 | 61 | 4.5 | 2.1 |
| 4841 General Freight Trucking | 1,793 | 266 | \$16,517,931 | 45.2% | 122,590 | 29.7 | 1.6 | 13,677.9 | 5 | 1 | 10 | 6 | 3.4 | 4 |
| 4842 Specialized Freight Trucking | 935 | 140 | \$5,605,322 | 56.5% | 46,964 | 29.9 | 1.6 | 10,042.7 | 4 | 3 | 9 | 24 | 3.5 | 2.9 |
| 4811 Scheduled Air Transportation | 299 | 45 | \$2,130,401 | 47.7% | 13,829 | 30.1 | 1.7 | 9,245.1 | 3 | 6 | 8 | 68 | 3.5 | 2.7 |
| 2213 Water, Sewage & Other Systems | 2,199 | 153 | \$4,614,682 | 59.9% | 23,877 | 13.9 | 0.8 | 2,171.5 | 13 | 2 | 70 | 21 | 1.6 | 0.6 |
| 4922 Local Messengers & Local Delivery | 189 | 25 | \$784,564 | 76.7% | 7,889 | 26.5 | 1.5 | 8,367.8 | 7 | 10.5 | 15 | 120 | 3.1 | 2.4 |
| 4859 Other Transit & Ground Passenger Transportation | 289 | 27 | \$797,751 | 75.7% | 9,511 | 18.7 | 1 | 6,581.2 | 10 | 9 | 35 | 112 | 2.2 | 1.9 |
| 4884 Support Activities for Road Transportation | 246 | 25 | \$1,053,034 | 61.5% | 10,517 | 20.3 | 1.1 | 8,538.2 | 9 | 10.5 | 28 | 120 | 2.4 | 2.5 |
| 2211 Electric Power Generation, Transmission & Distributio | 567 | 37 | \$783,649 | 62.8% | 3,726 | 13.1 | 0.7 | 1,315.0 | 16 | 8 | 79 | 91.5 | 1.5 | 0.4 |
| 4931 Warehousing & Storage | 934 | 51 | \$1,500,185 | 79.7% | 12,199 | 10.9 | 0.6 | 2,612.4 | 20 | 4.5 | 105 | 61 | 1.3 | 0.8 |
| 4881 Support Activities for Air Transportation | 652 | 41 | \$1,653,465 | 62.4% | 12,956 | 12.6 | 0.7 | 3,975.0 | 18 | 7 | 86 | 80 | 1.5 | 1.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 13. Washington State All Compensable EPICONDYLITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|-------|-----------------|-----------------------|-----------|------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| All | 242 | 279,460 | 3,057 | \$109,033,254 | 56.0% | 1,091,458 | 2.2 | 781.1 | 5 | 1 | 1 | 1 |
| Construction | 9 | 22,528 | 603 | \$31,806,355 | 42.1% | 265,277 | 5.4 | 2,355.1 | 1 | 3 | 2.4 | 3 |
| Manufacturing | 60 | 21,131 | 360 | \$12,183,688 | 58.5% | 120,499 | 3.4 | 1,140.5 | 2 | 5 | 1.6 | 1.5 |
| Transportation & Utilities | 21 | 10,584 | 161 | \$5,471,913 | 58.7% | 45,950 | 3 | 868.3 | 3 | 7 | 1.4 | 1.1 |
| Trade | 42 | 52,502 | 543 | \$16,385,168 | 61.7% | 179,910 | 2.1 | 685.3 | 6 | 4 | 0.9 | 0.9 |
| Services | 79 | 135,733 | 1,056 | \$31,980,456 | 62.9% | 365,558 | 1.6 | 538.6 | 8 | 2 | 0.7 | 0.7 |
| Mining | 3 | 431 | 6 | \$215,271 | 71.2% | 1,791 | 2.8 | 830.5 | 4 | 9 | 1.3 | 1.1 |
| Health Care | 17 | 28,444 | 269 | \$8,798,299 | 57.0% | 88,625 | 1.9 | 623.2 | 7 | 6 | 0.9 | 0.8 |
| Agriculture | 11 | 8,538 | 59 | \$2,192,104 | 90.4% | 23,848 | 1.4 | 558.6 | 9 | 8 | 0.6 | 0.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 13. Top 25: Washington State All Compensable EPICONDYLITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (242 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF Medical Aid as %AF | Lost Days | Severity Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio | Overall Rank | |
|-----------|--|---|----------|--------------------------|-----------------------|-----------|---------------|---------------|--------------------|---------------------|---------------------|-----------------------------|--------------|------|
| | | | | | | | | | | | | | | |
| C | 2382 | Bldg. Equip. Contractors | 5,521.2 | 216 | \$11,744 | 42.8% | 97,105 | 7.8 | 3,517.5 | 8 | 1 | 3.6 | 4.5 | 1 |
| C | 2381 | Foundation, Structure, & Bldg. Exterior Contractors | 2,753.7 | 94 | \$3,860 | 44.3% | 30,187 | 6.8 | 2,192.5 | 12 | 2 | 3.1 | 2.8 | 2 |
| C | 2383 | Bldg. Finishing Contractors | 3,218.8 | 86 | \$5,310 | 38.7% | 47,271 | 5.3 | 2,937.2 | 29 | 4 | 2.4 | 3.8 | 3 |
| S | 7223 | Special Food Svcs. | 1,126.7 | 31 | \$980 | 90.6% | 16,298 | 5.5 | 2,893.1 | 24 | 23.5 | 2.5 | 3.7 | 4 |
| U | 4842 | Specialized Freight Trucking | 935.3 | 27 | \$569 | 110.7% | 8,782 | 5.8 | 1,877.9 | 20 | 28.5 | 2.6 | 2.4 | 5 |
| C | 2361 | Resid. Bldg. Construction | 3,725.8 | 84 | \$4,173 | 39.0% | 38,340 | 4.5 | 2,058.1 | 45 | 5 | 2.1 | 2.6 | 6 |
| S | 5617 | Svcs. to Bldgs. & Dwellings | 3,845.2 | 81 | \$1,651 | 78.3% | 22,520 | 4.2 | 1,171.3 | 46 | 6 | 1.9 | 1.5 | 7 |
| M | 3222 | Converted Paper Product Mfg. | 412.5 | 17 | \$495 | 44.9% | 5,284 | 8.2 | 2,562.2 | 5 | 48.5 | 3.8 | 3.3 | 8 |
| U | 4841 | General Freight Trucking | 1,792.5 | 43 | \$2,295 | 49.8% | 17,384 | 4.8 | 1,939.6 | 39 | 15 | 2.2 | 2.5 | 9 |
| M | 3315 | Foundries | 421.5 | 17 | \$244 | 97.0% | 1,576 | 8.1 | 747.8 | 6 | 48.5 | 3.7 | 1 | 10 |
| T | 4451 | Grocery Stores | 2,702.1 | 55 | \$1,405 | 55.5% | 15,772 | 4.1 | 1,167.4 | 49 | 8 | 1.9 | 1.5 | 11 |
| C | 2389 | Other Specialty Trade Contractors | 2,463.9 | 49 | \$2,133 | 50.7% | 20,341 | 4 | 1,651.1 | 52 | 10.5 | 1.8 | 2.1 | 12 |
| M | 3219 | Other Wood Product Mfg. | 968.8 | 25 | \$891 | 70.3% | 11,122 | 5.2 | 2,296.0 | 32 | 31.5 | 2.4 | 2.9 | 13 |
| S | 8111 | Automotive Repair & Maintenance | 2,659.3 | 48 | \$2,403 | 47.5% | 24,011 | 3.6 | 1,805.8 | 65 | 12.5 | 1.7 | 2.3 | 14 |
| M | 3211 | Sawmills & Wood Preservation | 537.8 | 15 | \$805 | 35.2% | 4,816 | 5.6 | 1,791.1 | 23 | 55.5 | 2.5 | 2.3 | 15 |
| M | 3116 | Animal Slaughtering & Processing | 406.5 | 13 | \$647 | 100.4% | 6,780 | 6.4 | 3,336.1 | 14 | 65.5 | 2.9 | 4.3 | 16 |
| C | 2362 | Nonresidential Bldg. Construction | 2,177.7 | 39 | \$2,416 | 43.4% | 14,706 | 3.6 | 1,350.6 | 67 | 16 | 1.6 | 1.7 | 17 |
| S | 8121 | Personal Care Svcs. | 1,536.0 | 30 | \$977 | 88.6% | 14,476 | 3.9 | 1,884.9 | 58 | 25.5 | 1.8 | 2.4 | 18 |
| H | 6243 | Vocational Rehabilitation Svcs. | 1,112.2 | 22 | \$779 | 36.8% | 6,575 | 4 | 1,182.3 | 55 | 34.5 | 1.8 | 1.5 | 19 |
| T | 4249 | Miscellaneous Nondurable Goods Merchant Wholesalers | 1,938.2 | 33 | \$1,164 | 54.7% | 11,486 | 3.4 | 1,185.3 | 72 | 21 | 1.6 | 1.5 | 20 |
| U | 4852 | Interurban & Rural Bus Transportation | 262.5 | 10 | \$285 | 46.9% | 3,002 | 7.6 | 2,287.3 | 9 | 87 | 3.5 | 2.9 | 21 |
| M | 3366 | Ship & Boat Bldg. | 380.4 | 11 | \$486 | 43.8% | 5,567 | 5.8 | 2,926.9 | 19 | 77.5 | 2.6 | 3.7 | 22 |
| M | 3323 | Architectural & Structural Metals Mfg. | 907.9 | 18 | \$848 | 44.2% | 6,258 | 4 | 1,378.6 | 54 | 44.5 | 1.8 | 1.8 | 23 |
| A | 1151 | Support Activities for Crop Production | 1,371.9 | 24 | \$700 | 100.7% | 10,794 | 3.5 | 1,573.6 | 69 | 33 | 1.6 | 2 | 24 |
| T | 4244 | Grocery & Related Product Merchant Wholesalers | 3,898.3 | 50 | \$1,255 | 67.9% | 12,990 | 2.6 | 666.4 | 101 | 9 | 1.2 | 0.9 | 25 |
| M | 3115 | Dairy Product Mfg. | 44.5 | 4 | \$865 | 10.9% | 3,900 | 18 | 17,522.7 | 2 | 151 | 8.2 | 22.4 | 54.5 |
| M | 3169 | Other Leather & Allied Product Mfg. | 32.8 | 3 | \$20 | 112.4% | 438 | 18.3 | 2,673.2 | 1 | 170 | 8.4 | 3.4 | 74 |
| S | 7222 | Limited-Service Eating Places | 12,772.9 | 88 | \$2,357 | 67.4% | 32,484 | 1.4 | 508.6 | 175 | 3 | 0.6 | 0.7 | 86 |
| U | 4879 | Scenic & Sightseeing Transportation, Other | 13.2 | 1 | \$2 | 279.3% | 129 | 15.2 | 1,960.6 | 3 | 225 | 6.9 | 2.5 | 112 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 13. Construction: Washington State All Compensable EPICONDYLITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 6 Industries Ranked in sector. | 22,528 | 603 | \$31,806,355 | 42.1% | 265,277 | 5.4 | 1 | 2,355.1 | 0 | 0 | 1 | 3 | 2.4 | 3 |
| 2382 Bldg. Equip. Contractors | 5,521 | 216 | \$11,743,699 | 42.8% | 97,105 | 7.8 | 1.5 | 3,517.5 | 1 | 1 | 8 | 1 | 3.6 | 4.5 |
| 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,754 | 94 | \$3,859,923 | 44.3% | 30,187 | 6.8 | 1.3 | 2,192.5 | 2 | 2 | 12 | 2 | 3.1 | 2.8 |
| 2383 Bldg. Finishing Contractors | 3,219 | 86 | \$5,309,636 | 38.7% | 47,271 | 5.3 | 1 | 2,937.2 | 3 | 3 | 29 | 4 | 2.4 | 3.8 |
| 2361 Resid. Bldg. Construction | 3,726 | 84 | \$4,172,669 | 39.0% | 38,340 | 4.5 | 0.8 | 2,058.1 | 4 | 4 | 45 | 5 | 2.1 | 2.6 |
| 2389 Other Specialty Trade Contractors | 2,464 | 49 | \$2,132,946 | 50.7% | 20,341 | 4 | 0.7 | 1,651.1 | 5 | 5 | 52 | 10.5 | 1.8 | 2.1 |
| 2362 Nonresidential Bldg. Construction | 2,178 | 39 | \$2,415,970 | 43.4% | 14,706 | 3.6 | 0.7 | 1,350.6 | 7 | 6 | 67 | 16 | 1.6 | 1.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 13. Services: Washington State All Compensable EPICONDYLITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | | |
| 12 Industries Ranked in sector. | 135,733 | 1,056 | \$31,980,456 | 62.9% | 365,558 | 1.6 | 1 | 538.6 | 0 | 0 | 8 | 2 | 0.7 | 0.7 | |
| 5617 Svcs. to Bldgs. & Dwellings | 3,845 | 81 | \$1,651,179 | 78.3% | 22,520 | 4.2 | 2.7 | 1,171.3 | 7 | 2 | 46 | 6 | 1.9 | 1.5 | |
| 7223 Special Food Svcs. | 1,127 | 31 | \$979,938 | 90.6% | 16,298 | 5.5 | 3.5 | 2,893.1 | 3 | 10 | 24 | 23.5 | 2.5 | 3.7 | |
| 8111 Automotive Repair & Maintenance | 2,659 | 48 | \$2,403,246 | 47.5% | 24,011 | 3.6 | 2.3 | 1,805.8 | 13 | 5 | 65 | 12.5 | 1.7 | 2.3 | |
| 8121 Personal Care Svcs. | 1,536 | 30 | \$977,216 | 88.6% | 14,476 | 3.9 | 2.5 | 1,884.9 | 11 | 11 | 58 | 25.5 | 1.8 | 2.4 | |
| 9211 Exec., Legislative, & Other General Govt. Support | 3,487 | 46 | \$970,505 | 55.2% | 9,800 | 2.6 | 1.7 | 562.2 | 21 | 6 | 98 | 14 | 1.2 | 0.7 | |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 36 | \$1,913,091 | 30.1% | 8,219 | 2.6 | 1.7 | 599.8 | 22 | 7 | 99 | 18.5 | 1.2 | 0.8 | |
| 5613 Employment Svcs. | 4,908 | 49 | \$1,827,572 | 59.6% | 23,418 | 2 | 1.3 | 954.3 | 34 | 4 | 147 | 10.5 | 0.9 | 1.2 | |
| 7211 Traveler Accommodation | 2,871 | 33 | \$652,286 | 111.5% | 11,467 | 2.3 | 1.5 | 798.7 | 30 | 8.5 | 127 | 21 | 1.1 | 1 | |
| 5313 Activities Related to Real Estate | 2,220 | 26 | \$455,420 | 68.2% | 7,112 | 2.3 | 1.5 | 640.8 | 29 | 12 | 124 | 30 | 1.1 | 0.8 | |
| 7221 Full-Service Restaurants | 9,407 | 77 | \$2,038,021 | 84.0% | 34,018 | 1.6 | 1.1 | 723.3 | 39 | 3 | 163 | 7 | 0.7 | 0.9 | |
| 5614 Business Support Svcs. | 3,372 | 33 | \$1,714,022 | 46.5% | 13,568 | 2 | 1.3 | 804.8 | 35 | 8.5 | 149 | 21 | 0.9 | 1 | |
| 7222 Limited-Service Eating Places | 12,773 | 88 | \$2,357,235 | 67.4% | 32,484 | 1.4 | 0.9 | 508.6 | 46 | 1 | 175 | 3 | 0.6 | 0.7 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 13. Healthcare: Washington State All Compensable EPICONDYLITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--------------------------------|--------------------|-------|--------------------|--------------------------------|--------------|------|-------------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 4 Industries Ranked in sector. | 28,444 | 269 | \$8,798,299 | 57.0% | 88,625 | 1.9 | 1 | 623.2 | 0 | 0 | 7 | 6 | 0.9 | 0.8 |
| 6212 Offices of Dentists | 2,428 | 30 | \$2,212,170 | 23.7% | 12,995 | 2.5 | 1.3 | 1,070.4 | 6 | 2 | 110 | 25.5 | 1.1 | 1.4 |
| 6216 Home Health Care Svcs. | 3,323 | 31 | \$665,138 | 84.1% | 9,036 | 1.9 | 1 | 543.9 | 10 | 1 | 152 | 23.5 | 0.9 | 0.7 |
| 6231 Nursing Care Facilities | 2,454 | 25 | \$428,728 | 102.9% | 6,836 | 2 | 1.1 | 557 | 9 | 4 | 145 | 31.5 | 0.9 | 0.7 |
| 6211 Offices of Physicians | 4,662 | 28 | \$438,034 | 118.1% | 4,600 | 1.2 | 0.6 | 197.3 | 14 | 3 | 188 | 27 | 0.5 | 0.3 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 13. Manufacturing: Washington State All Compensable EPICONDYLITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--------------------------------|--------------------|-------|--------------------|--------------------------------|--------------|------|------------------|---------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 1 Industries Ranked in sector. | 21,131 | 360 | \$12,183,688 | 58.5% | 120,499 | 3.4 | 1 | 1,140.5 | 0 | 0 | 2 | 5 | 1.6 | 1.5 |
| 3219 Other Wood Product Mfg. | 969 | 25 | \$891,364 | 70.3% | 11,122 | 5.2 | 1.5 | 2,296.0 | 20 | 1 | 32 | 31.5 | 2.4 | 2.9 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 13. Trade: Washington State All Compensable EPICONDYLITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Aid as %AF | Lost Days | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 6 Industries Ranked in sector. | 52,502 | 543 | \$16,385,168 | 61.7% | 179,910 | 2.1 | 1 | 685.3 | 0 | 0 | 6 | 4 | 0.9 | 0.9 |
| 4451 Grocery Stores | 2,702 | 55 | \$1,405,085 | 55.5% | 15,772 | 4.1 | 2 | 1,167.4 | 2 | 1 | 49 | 8 | 1.9 | 1.5 |
| 4244 Grocery & Related Product Merchant Wholesaler | 3,898 | 50 | \$1,254,763 | 67.9% | 12,990 | 2.6 | 1.2 | 666.4 | 10 | 2 | 101 | 9 | 1.2 | 0.9 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 1,938 | 33 | \$1,163,935 | 54.7% | 11,486 | 3.4 | 1.6 | 1,185.3 | 6 | 6 | 72 | 21 | 1.6 | 1.5 |
| 4238 Machinery, Equipment, & Supplies Merchant Wholesalers | 2,658 | 36 | \$1,347,673 | 53.6% | 12,942 | 2.7 | 1.3 | 973.7 | 9 | 5 | 95 | 18.5 | 1.2 | 1.2 |
| 4539 Other Miscellaneous Store Retailers | 3,868 | 48 | \$870,136 | 73.6% | 10,715 | 2.5 | 1.2 | 554.1 | 13 | 3 | 107 | 12.5 | 1.1 | 0.7 |
| 4411 Automobile Dealers | 4,080 | 38 | \$1,861,825 | 56.1% | 20,068 | 1.9 | 0.9 | 983.8 | 24 | 4 | 153 | 17 | 0.9 | 1.3 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 13. Utilities: Washington State All Compensable EPICONDYLITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|------------------------------------|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 3 Industries Ranked in sector. | 10,584 | 161 | \$5,471,913 | 58.7% | 45,950 | 3 | 1 | 868.3 | 0 | 0 | 3 | 7 | 1.4 | 1.1 |
| 4842 Specialized Freight Trucking | 935 | 27 | \$569,297 | 110.7% | 8,782 | 5.8 | 1.9 | 1,877.9 | 4 | 2.5 | 20 | 28.5 | 2.6 | 2.4 |
| 4841 General Freight Trucking | 1,793 | 43 | \$2,294,708 | 49.8% | 17,384 | 4.8 | 1.6 | 1,939.6 | 6 | 1 | 39 | 15 | 2.2 | 2.5 |
| 2213 Water, Sewage & Other Systems | 2,199 | 27 | \$356,686 | 112.3% | 3,338 | 2.5 | 0.8 | 303.6 | 10 | 2.5 | 112 | 28.5 | 1.1 | 0.4 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 14. Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|-------|-----------------|-----------------------|-----------|------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| All | 274 | 279,460 | 6,562 | \$205,093,134 | 62.4% | 2,067,318 | 4.7 | 1,479.5 | 4 | 1 | 1 | 1 |
| Construction | 10 | 22,528 | 939 | \$53,377,968 | 60.8% | 402,140 | 8.3 | 3,570.2 | 1 | 4 | 1.8 | 2.4 |
| Manufacturing | 75 | 21,131 | 800 | \$22,254,465 | 63.5% | 238,432 | 7.6 | 2,256.7 | 2 | 5 | 1.6 | 1.5 |
| Trade | 45 | 52,502 | 1,106 | \$30,928,926 | 65.4% | 349,398 | 4.2 | 1,331.0 | 5 | 3 | 0.9 | 0.9 |
| Health Care | 17 | 28,444 | 764 | \$22,298,849 | 59.9% | 229,548 | 5.4 | 1,614.0 | 3 | 6 | 1.1 | 1.1 |
| Services | 88 | 135,733 | 2,609 | \$67,407,949 | 62.9% | 757,538 | 3.8 | 1,116.2 | 7 | 2 | 0.8 | 0.8 |
| Transportation & Utilities | 24 | 10,584 | 208 | \$5,702,801 | 54.8% | 52,783 | 3.9 | 997.4 | 6 | 7 | 0.8 | 0.7 |
| Agriculture | 12 | 8,538 | 132 | \$2,873,188 | 80.2% | 36,702 | 3.1 | 859.7 | 8 | 8 | 0.7 | 0.6 |
| Mining | 3 | 431 | 4 | \$248,987 | 10.1% | 777 | 1.9 | 360.3 | 9 | 9 | 0.4 | 0.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 14. Top 25: Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (274 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF | | Lost Days | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio | Over-all PI Rank | |
|-----------|--|-----------------|-------|--------------------------|------------|---------|-----------|---------------|--------------------|---------------------|---------------------|-----------------------------|------------------|-------|
| | | | | | Aid as %AF | Medical | | | | | | | | |
| C | 2382 Bldg. Equip. Contractors | 5,521.2 | 454 | \$28,850 | 38.3% | | 218,979 | 16.4 | 7,932.3 | 11 | 1 | 3.5 | 5.4 | 1 |
| S | 8121 Personal Care Svcs. | 1,536.0 | 133 | \$2,513 | 78.2% | | 38,683 | 17.3 | 5,036.9 | 10 | 7 | 3.7 | 3.4 | 2 |
| C | 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,753.7 | 122 | \$6,678 | 211.1% | | 47,406 | 8.9 | 3,443.1 | 39 | 9 | 1.9 | 2.3 | 3 |
| M | 3117 Seafood Product Preparation & Packaging | 556.8 | 41 | \$1,419 | 41.7% | | 13,319 | 14.7 | 4,783.8 | 16 | 40.5 | 3.1 | 3.2 | 4 |
| T | 4451 Grocery Stores | 2,702.1 | 113 | \$1,217 | 99.6% | | 18,689 | 8.4 | 1,383.3 | 47 | 10 | 1.8 | 0.9 | 5 |
| S | 5613 Employment Svcs. | 4,907.7 | 194 | \$2,858 | 82.8% | | 48,309 | 7.9 | 1,968.7 | 54 | 4 | 1.7 | 1.3 | 6 |
| S | 9211 Exec., Legislative, & Other General Govt. Support | 3,486.5 | 138 | \$4,050 | 49.9% | | 33,717 | 7.9 | 1,934.1 | 53 | 5.5 | 1.7 | 1.3 | 7 |
| H | 6212 Offices of Dentists | 2,428.2 | 102 | \$5,083 | 37.9% | | 40,803 | 8.4 | 3,360.8 | 46 | 13 | 1.8 | 2.3 | 8 |
| S | 7223 Special Food Svcs. | 1,126.7 | 57 | \$957 | 112.1% | | 18,498 | 10.1 | 3,283.6 | 30 | 29.5 | 2.2 | 2.2 | 9 |
| H | 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975.3 | 50 | \$1,124 | 45.5% | | 6,667 | 10.3 | 1,367.2 | 28 | 33.5 | 2.2 | 0.9 | 10 |
| S | 9231 Administration of Human Resource Programs | 1,528.0 | 63 | \$2,217 | 45.0% | | 12,815 | 8.2 | 1,677.3 | 48 | 23.5 | 1.8 | 1.1 | 11 |
| M | 3116 Animal Slaughtering & Processing | 406.5 | 30 | \$853 | 84.8% | | 11,749 | 14.8 | 5,781.1 | 15 | 59.5 | 3.1 | 3.9 | 12 |
| T | 4244 Grocery & Related Product Merchant Wholesalers | 3,898.3 | 138 | \$4,094 | 72.7% | | 45,043 | 7.1 | 2,310.9 | 70 | 5.5 | 1.5 | 1.6 | 13 |
| S | 5617 Svcs. to Bldgs. & Dwellings | 3,845.2 | 132 | \$2,798 | 83.4% | | 36,992 | 6.9 | 1,924.1 | 74 | 8 | 1.5 | 1.3 | 14 |
| M | 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 818.7 | 37 | \$910 | 92.0% | | 13,608 | 9 | 3,324.5 | 35 | 47.5 | 1.9 | 2.2 | 15 |
| S | 7211 Traveler Accommodation | 2,871.3 | 99 | \$2,056 | 89.3% | | 31,444 | 6.9 | 2,190.2 | 73 | 14 | 1.5 | 1.5 | 16 |
| H | 6243 Vocational Rehabilitation Svcs. | 1,112.2 | 43 | \$1,575 | 45.3% | | 11,973 | 7.7 | 2,153.0 | 58 | 39 | 1.6 | 1.5 | 17 |
| M | 3222 Converted Paper Product Mfg. | 412.5 | 24 | \$465 | 37.4% | | 3,473 | 11.6 | 1,684.1 | 24 | 75 | 2.5 | 1.1 | 18 |
| M | 3231 Printing & Related Support Activities | 1,001.8 | 38 | \$737 | 78.1% | | 10,185 | 7.6 | 2,033.2 | 60 | 43.5 | 1.6 | 1.4 | 19 |
| M | 3261 Plastics Product Mfg. | 766 | 31 | \$795 | 73.7% | | 10,944 | 8.1 | 2,857.5 | 51 | 56 | 1.7 | 1.9 | 20 |
| C | 2361 Resid. Bldg. Construction | 3,725.8 | 108 | \$4,746 | 41.6% | | 40,119 | 5.8 | 2,153.6 | 98 | 11 | 1.2 | 1.5 | 21 |
| S | 8111 Automotive Repair & Maintenance | 2,659.3 | 80 | \$2,785 | 46.4% | | 25,654 | 6 | 1,929.4 | 93 | 18 | 1.3 | 1.3 | 22 |
| M | 3399 Other Miscellaneous Mfg. | 957.8 | 36 | \$1,122 | 52.0% | | 11,350 | 7.5 | 2,370.0 | 62 | 50.5 | 1.6 | 1.6 | 23 |
| A | 1151 Support Activities for Crop Production | 1,371.9 | 47 | \$868 | 107.7% | | 14,241 | 6.9 | 2,076.1 | 76 | 38 | 1.5 | 1.4 | 24 |
| T | 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 1,938.2 | 60 | \$2,057 | 66.9% | | 23,519 | 6.2 | 2,426.9 | 88 | 26.5 | 1.3 | 1.6 | 25 |
| S | 7221 Full-Service Restaurants | 9,406.9 | 218 | \$5,407 | 78.8% | | 86,084 | 4.6 | 1,830.2 | 136 | 3 | 1 | 1.2 | 44.5 |
| M | 3159 Apparel Accessories & Other Apparel Mfg. | 53.8 | 9 | \$695 | 20.2% | | 5,872 | 33.4 | 21,824.1 | 3 | 148 | 7.1 | 14.8 | 53 |
| S | 7222 Limited-Service Eating Places | 12,772.9 | 239 | \$3,523 | 91.9% | | 60,981 | 3.7 | 954.9 | 166 | 2 | 0.8 | 0.6 | 62 |
| M | 3161 Leather & Hide Tanning & Finishing | 1.5 | 1 | \$15 | 131.8% | | 322 | 136 | 43,623.8 | 1 | 261 | 28.8 | 29.5 | 138 |
| M | 3122 Tobacco Mfg. | 1.7 | 1 | \$37 | 34.8% | | 223 | 118 | 26,372.4 | 2 | 261 | 25.2 | 17.8 | 139.5 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 14. Agriculture: Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 2 Industries Ranked in sector. | 8,538 | 132 | \$2,873,188 | 80.2% | 36,702 | 3.1 | 1 | 859.7 | 0 | 0 | 8 | 8 | 0.7 | 0.6 |
| 1151 Support Activities for Crop Production | 1,372 | 47 | \$868,403 | 107.7% | 14,241 | 6.9 | 2.2 | 2,076.1 | 3 | 1 | 76 | 38 | 1.5 | 1.4 |
| 1113 Fruit & Tree Nut Farming | 3,326 | 25 | \$261,971 | 137.3% | 6,193 | 1.5 | 0.5 | 372.4 | 11 | 2 | 250 | 72 | 0.3 | 0.3 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 14. Construction: Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|--------------|---------------|---------------------|----------------------|----------------------|---------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | all Rate Rank | all Count Rank | all Rate Ratio | Severity Rate Ratio |
| 6 Industries Ranked in sector. | 22,528 | 939 | \$53,377,968 | 60.8% | 402,140 | 8.3 | 1 | 3,570.2 | 0 | 0 | 1 | 4 | 1.8 | 2.4 |
| 2382 Bldg. Equip. Contractors | 5,521 | 454 | \$28,850,216 | 38.3% | 218,979 | 16.4 | 2 | 7,932.3 | 1 | 1 | 11 | 1 | 3.5 | 5.4 |
| 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,754 | 122 | \$6,677,745 | 211.1% | 47,406 | 8.9 | 1.1 | 3,443.1 | 2 | 2 | 39 | 9 | 1.9 | 2.3 |
| 2361 Resid. Bldg. Construction | 3,726 | 108 | \$4,746,025 | 41.6% | 40,119 | 5.8 | 0.7 | 2,153.6 | 3 | 3 | 98 | 11 | 1.2 | 1.5 |
| 2383 Bldg. Finishing Contractors | 3,219 | 83 | \$3,814,278 | 45.1% | 31,635 | 5.2 | 0.6 | 1,965.6 | 5 | 4 | 118 | 16 | 1.1 | 1.3 |
| 2389 Other Specialty Trade Contractors | 2,464 | 67 | \$3,929,148 | 39.1% | 26,845 | 5.4 | 0.7 | 2,179.0 | 4 | 5 | 107 | 21 | 1.2 | 1.5 |
| 2362 Nonresidential Bldg. Construction | 2,178 | 50 | \$2,015,414 | 45.7% | 15,484 | 4.6 | 0.6 | 1,422.0 | 7 | 6 | 137 | 33.5 | 1 | 1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 14. Services: Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Severity Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|------------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 29 Industries Ranked in sector. | 135,733 | 2,609 | \$67,407,949 | 62.9% | 757,538 | 3.8 | 1 | 1,116.2 | 0 | 0 | 7 | 2 | 0.8 | 0.8 |
| 8121 Personal Care Svcs. | 1,536 | 133 | \$2,513,324 | 78.2% | 38,683 | 17.3 | 4.5 | 5,036.9 | 1 | 5 | 10 | 7 | 3.7 | 3.4 |
| 5613 Employment Svcs. | 4,908 | 194 | \$2,858,288 | 82.8% | 48,309 | 7.9 | 2.1 | 1,968.7 | 10 | 3 | 54 | 4 | 1.7 | 1.3 |
| 9211 Exec., Legislative, & Other General Govt. Support | 3,487 | 138 | \$4,050,086 | 49.9% | 33,717 | 7.9 | 2.1 | 1,934.1 | 9 | 4 | 53 | 5.5 | 1.7 | 1.3 |
| 7223 Special Food Svcs. | 1,127 | 57 | \$956,706 | 112.1% | 18,498 | 10.1 | 2.6 | 3,283.6 | 3 | 14 | 30 | 29.5 | 2.2 | 2.2 |
| 9231 Administration of Human Resource Programs | 1,528 | 63 | \$2,217,082 | 45.0% | 12,815 | 8.2 | 2.1 | 1,677.3 | 7 | 11 | 48 | 23.5 | 1.8 | 1.1 |
| 5617 Svcs. to Bldgs. & Dwellings | 3,845 | 132 | \$2,797,872 | 83.4% | 36,992 | 6.9 | 1.8 | 1,924.1 | 14 | 6 | 74 | 8 | 1.5 | 1.3 |
| 7211 Traveler Accommodation | 2,871 | 99 | \$2,055,832 | 89.3% | 31,444 | 6.9 | 1.8 | 2,190.2 | 13 | 7 | 73 | 14 | 1.5 | 1.5 |
| 8111 Automotive Repair & Maintenance | 2,659 | 80 | \$2,785,056 | 46.4% | 25,654 | 6 | 1.6 | 1,929.4 | 17 | 9 | 93 | 18 | 1.3 | 1.3 |
| 7221 Full-Service Restaurants | 9,407 | 218 | \$5,407,319 | 78.8% | 86,084 | 4.6 | 1.2 | 1,830.2 | 27 | 2 | 136 | 3 | 1 | 1.2 |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 71 | \$1,951,081 | 46.2% | 11,969 | 5.2 | 1.3 | 873.4 | 20 | 10 | 116 | 20 | 1.1 | 0.6 |
| 5241 Insurance Carriers | 1,980 | 58 | \$2,739,983 | 35.8% | 20,788 | 5.9 | 1.5 | 2,099.6 | 18 | 13 | 97 | 28 | 1.2 | 1.4 |
| 5614 Business Support Svcs. | 3,372 | 81 | \$2,557,729 | 60.7% | 28,936 | 4.8 | 1.2 | 1,716.4 | 24 | 8 | 130 | 17 | 1 | 1.2 |
| 7222 Limited-Service Eating Places | 12,773 | 239 | \$3,522,850 | 91.9% | 60,981 | 3.7 | 1 | 954.9 | 33 | 1 | 166 | 2 | 0.8 | 0.6 |
| 5311 Lessors of Real Estate | 1,565 | 37 | \$834,035 | 75.7% | 10,711 | 4.7 | 1.2 | 1,369.2 | 26 | 19 | 134 | 47.5 | 1 | 0.9 |
| 7224 Drinking Places (Alcoholic Beverages) | 1,357 | 31 | \$913,674 | 63.7% | 14,338 | 4.6 | 1.2 | 2,112.8 | 28 | 21 | 139 | 56 | 1 | 1.4 |
| 9241 Administration of Environmental Quality Programs | 1,017 | 25 | \$1,013,235 | 41.5% | 7,287 | 4.9 | 1.3 | 1,432.7 | 22 | 28.5 | 126 | 72 | 1 | 1 |
| 5611 Office Administrative Svcs. | 1,030 | 25 | \$1,131,604 | 50.1% | 12,566 | 4.9 | 1.3 | 2,440.2 | 23 | 28.5 | 128 | 72 | 1 | 1.6 |
| 5416 Management, Scientific, & Technical Consulting Svcs. | 4,187 | 60 | \$3,384,549 | 44.4% | 26,090 | 2.9 | 0.7 | 1,246.1 | 43 | 12 | 195 | 26.5 | 0.6 | 0.8 |
| 5411 Legal Svcs. | 3,126 | 48 | \$1,272,136 | 63.2% | 12,059 | 3.1 | 0.8 | 771.6 | 39 | 16 | 188 | 36 | 0.7 | 0.5 |
| 5419 Other Professional, Scientific, & Technical Svcs. | 2,365 | 38 | \$355,267 | 137.1% | 6,542 | 3.2 | 0.8 | 553.3 | 37 | 18 | 183 | 43.5 | 0.7 | 0.4 |
| 5111 Newspaper, Periodical, Book, & Directory Publishers | 1,158 | 26 | \$342,819 | 97.1% | 5,465 | 4.5 | 1.2 | 943.7 | 31 | 26 | 143 | 67.5 | 1 | 0.6 |
| 5221 Depository Credit Intermediation | 3,961 | 51 | \$1,250,154 | 56.3% | 11,819 | 2.6 | 0.7 | 596.8 | 49 | 15 | 207 | 32 | 0.5 | 0.4 |
| 8129 Other Personal Svcs. | 1,813 | 26 | \$696,029 | 68.5% | 11,250 | 2.9 | 0.7 | 1,240.8 | 42 | 26 | 194 | 67.5 | 0.6 | 0.8 |
| 7139 Other Amusement & Recreation Industries | 2,386 | 30 | \$789,315 | 75.1% | 10,454 | 2.5 | 0.7 | 876.4 | 52 | 22 | 212 | 59.5 | 0.5 | 0.6 |
| 5412 Accounting, Tax Preparation, Bookkeeping, & Payroll Svcs. | 2,303 | 27 | \$837,592 | 58.2% | 8,952 | 2.3 | 0.6 | 777.6 | 56 | 24 | 222 | 64 | 0.5 | 0.5 |
| 5313 Activities Related to Real Estate | 2,220 | 26 | \$375,364 | 71.8% | 5,770 | 2.3 | 0.6 | 519.9 | 57 | 26 | 223 | 67.5 | 0.5 | 0.4 |
| 5242 Agencies, Brokerages, & Other Insurance Related Activities | 2,723 | 29 | \$554,047 | 71.1% | 4,986 | 2.1 | 0.6 | 366.2 | 61 | 23 | 231 | 62.5 | 0.5 | 0.2 |
| 6113 Colleges, Universities, & Professional Schools | 3,943 | 35 | \$735,207 | 82.8% | 10,746 | 1.8 | 0.5 | 545 | 68 | 20 | 241 | 52.5 | 0.4 | 0.4 |
| 5413 Architectural, Engineering, & Related Svcs. | 5,256 | 41 | \$1,111,786 | 37.7% | 9,434 | 1.6 | 0.4 | 359.0 | 72 | 17 | 247 | 40.5 | 0.3 | 0.2 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index: (rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 14. Healthcare: Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|---|--------------------|-------|--------------------|---------------|--------------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 11 Industries Ranked in sector. | 28,444 | 764 | \$22,298,849 | 59.9% | 229,548 | 5.4 | 1 | 1,614.0 | 0 | 0 | 3 | 6 | 1.1 | 1.1 |
| 6212 Offices of Dentists | 2,428 | 102 | \$5,083,088 | 37.9% | 40,803 | 8.4 | 1.6 | 3,360.8 | 3 | 2 | 46 | 13 | 1.8 | 2.3 |
| 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975 | 50 | \$1,124,277 | 45.5% | 6,667 | 10.3 | 1.9 | 1,367.2 | 1 | 8 | 28 | 33.5 | 2.2 | 0.9 |
| 6231 Nursing Care Facilities | 2,454 | 72 | \$980,556 | 93.8% | 15,149 | 5.9 | 1.1 | 1,234.4 | 8 | 3 | 96 | 19 | 1.2 | 0.8 |
| 6211 Offices of Physicians | 4,662 | 104 | \$2,512,508 | 78.1% | 25,695 | 4.5 | 0.8 | 1,102.3 | 13 | 1 | 145 | 12 | 1 | 0.7 |
| 6213 Offices of Other Health Practitioners | 2,022 | 57 | \$1,936,543 | 63.3% | 22,228 | 5.6 | 1 | 2,198.7 | 9 | 6 | 99 | 29.5 | 1.2 | 1.5 |
| 6243 Vocational Rehabilitation Svcs. | 1,112 | 43 | \$1,574,683 | 45.3% | 11,973 | 7.7 | 1.4 | 2,153.0 | 6 | 9 | 58 | 39 | 1.6 | 1.5 |
| 6214 Outpatient Care Centers | 2,478 | 64 | \$1,732,548 | 48.7% | 15,736 | 5.2 | 1 | 1,270.1 | 12 | 4 | 117 | 22 | 1.1 | 0.9 |
| 6233 Community Care Facilities for the Elderly | 1,935 | 54 | \$1,249,974 | 71.4% | 17,355 | 5.6 | 1 | 1,793.9 | 10 | 7 | 101 | 31 | 1.2 | 1.2 |
| 6239 Other Resid. Care Facilities | 1,049 | 36 | \$702,450 | 85.8% | 10,722 | 6.9 | 1.3 | 2,044.1 | 7 | 10 | 75 | 50.5 | 1.5 | 1.4 |
| 6216 Home Health Care Svcs. | 3,323 | 63 | \$2,280,848 | 67.3% | 28,788 | 3.8 | 0.7 | 1,732.8 | 14 | 5 | 165 | 23.5 | 0.8 | 1.2 |
| 6241 Individual & Family Svcs. | 1,850 | 31 | \$893,043 | 83.3% | 11,864 | 3.4 | 0.6 | 1,282.8 | 15 | 11 | 175 | 56 | 0.7 | 0.9 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 14. Manufacturing: Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate Ratio | Rate | Severity Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------------------|---------|--------------------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | | | | | | | | | | | |
| 9 Industries Ranked in sector. | 21,131 | 800 | \$22,254,465 | 63.5% | 238,432 | 7.6 | 1 | 2,256.7 | 0 | 0 | 2 | 5 | 1.6 | 1.5 |
| 3117 Seafood Product Preparation & Packaging | 557 | 41 | \$1,419,138 | 41.7% | 13,319 | 14.7 | 1.9 | 4,783.8 | 13 | 1 | 16 | 40.5 | 3.1 | 3.2 |
| 3116 Animal Slaughtering & Processing | 406 | 30 | \$852,691 | 84.8% | 11,749 | 14.8 | 1.9 | 5,781.1 | 12 | 8.5 | 15 | 59.5 | 3.1 | 3.9 |
| 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg | 819 | 37 | \$909,754 | 92.0% | 13,608 | 9 | 1.2 | 3,324.5 | 24 | 4 | 35 | 47.5 | 1.9 | 2.2 |
| 3231 Printing & Related Support Activities | 1,002 | 38 | \$736,871 | 78.1% | 10,185 | 7.6 | 1 | 2,033.2 | 33 | 2.5 | 60 | 43.5 | 1.6 | 1.4 |
| 3261 Plastics Product Mfg. | 766 | 31 | \$795,335 | 73.7% | 10,944 | 8.1 | 1.1 | 2,857.5 | 31 | 7 | 51 | 56 | 1.7 | 1.9 |
| 3399 Other Miscellaneous Mfg. | 958 | 36 | \$1,121,943 | 52.0% | 11,350 | 7.5 | 1 | 2,370.0 | 35 | 5 | 62 | 50.5 | 1.6 | 1.6 |
| 3219 Other Wood Product Mfg. | 969 | 35 | \$955,497 | 83.8% | 11,492 | 7.2 | 1 | 2,372.4 | 39 | 6 | 68 | 52.5 | 1.5 | 1.6 |
| 3364 Aerospace Product & Parts Mfg. | 1,123 | 38 | \$661,027 | 97.4% | 7,902 | 6.8 | 0.9 | 1,406.8 | 43 | 2.5 | 77 | 43.5 | 1.4 | 1 |
| 3323 Architectural & Structural Metals Mfg. | 908 | 30 | \$1,391,776 | 47.1% | 10,857 | 6.6 | 0.9 | 2,391.7 | 46 | 8.5 | 81 | 59.5 | 1.4 | 1.6 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 14. Trade: Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate Rate | Severity Ratio | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|--------------------------------|--------------|--------------|-------------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 14 Industries Ranked in sector. | 52,502 | 1,106 | \$30,928,926 | 65.4% | 349,398 | 4.2 | 1 | 1,331.0 | 0 | 0 | 5 | 3 | 0.9 | 0.9 | |
| 4451 Grocery Stores | 2,702 | 113 | \$1,217,046 | 99.6% | 18,689 | 8.4 | 2 | 1,383.3 | 1 | 2 | 47 | 10 | 1.8 | 0.9 | |
| 4244 Grocery & Related Product Merchant Wholesalers | 3,898 | 138 | \$4,093,629 | 72.7% | 45,043 | 7.1 | 1.7 | 2,310.9 | 5 | 1 | 70 | 5.5 | 1.5 | 1.6 | |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesale | 1,938 | 60 | \$2,056,614 | 66.9% | 23,519 | 6.2 | 1.5 | 2,426.9 | 8 | 5 | 88 | 26.5 | 1.3 | 1.6 | |
| 4529 Other General Merchandise Stores | 696 | 26 | \$480,634 | 80.0% | 4,880 | 7.5 | 1.8 | 1,402.5 | 3 | 13 | 63 | 67.5 | 1.6 | 0.9 | |
| 4471 Gasoline Stations | 1,803 | 48 | \$1,163,627 | 78.2% | 14,363 | 5.3 | 1.3 | 1,593.5 | 11 | 6 | 110 | 36 | 1.1 | 1.1 | |
| 4539 Other Miscellaneous Store Retailers | 3,868 | 92 | \$2,613,428 | 73.9% | 32,619 | 4.8 | 1.1 | 1,686.8 | 15 | 3 | 133 | 15 | 1 | 1.1 | |
| 4236 Electrical & Electronic Goods Merchant Wholesalers | 1,343 | 29 | \$1,041,150 | 60.4% | 12,792 | 4.3 | 1 | 1,904.7 | 19 | 11 | 149 | 62.5 | 0.9 | 1.3 | |
| 4233 Lumber & Other Construction Materials Merchant Wholesalers | 1,201 | 26 | \$290,136 | 109.4% | 4,307 | 4.3 | 1 | 717.1 | 18 | 13 | 148 | 67.5 | 0.9 | 0.5 | |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,231 | 26 | \$650,982 | 86.2% | 8,916 | 4.2 | 1 | 1,448.6 | 20 | 13 | 152 | 67.5 | 0.9 | 1 | |
| 4411 Automobile Dealers | 4,080 | 62 | \$2,978,464 | 50.2% | 30,527 | 3 | 0.7 | 1,496.6 | 30 | 4 | 189 | 25 | 0.6 | 1 | |
| 4441 Bldg. Material & Supplies Dealers | 1,992 | 33 | \$1,008,529 | 63.9% | 12,390 | 3.3 | 0.8 | 1,244.3 | 28 | 9 | 177 | 54 | 0.7 | 0.8 | |
| 4431 Electronics & Appliance Stores | 2,771 | 38 | \$1,766,444 | 39.7% | 13,584 | 2.7 | 0.7 | 980.4 | 34 | 7 | 201 | 43.5 | 0.6 | 0.7 | |
| 4238 Machinery, Equip., & Supplies Merchant Wholesalers | 2,658 | 37 | \$1,498,632 | 42.7% | 11,884 | 2.8 | 0.7 | 894.1 | 33 | 8 | 199 | 47.5 | 0.6 | 0.6 | |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,337 | 30 | \$499,810 | 110.8% | 6,688 | 2.6 | 0.6 | 572.3 | 37 | 10 | 208 | 59.5 | 0.5 | 0.4 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 14. Utilities: Washington State All Compensable HAND/WRIST TENDONITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Severity Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|------------------------------------|--------------------|-------|--------------------|--------------------------|--------------|------|------------------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------------|
| | | | | Medical Aid as %AF | | | | | | | | all Rate | all Count | all Rate | Severity Rate Ratio |
| 2 Industries Ranked in sector. | 10,584 | 208 | \$5,702,801 | 54.8% | 52,783 | 3.9 | 1 | 997.4 | 0 | 0 | 6 | 7 | 0.8 | 0.7 | |
| 2213 Water, Sewage & Other Systems | 2,199 | 48 | \$1,599,908 | 49.6% | 11,031 | 4.4 | 1.1 | 1,003.2 | 10 | 1 | 147 | 36 | 0.9 | 0.7 | |
| 4841 General Freight Trucking | 1,793 | 37 | \$1,629,538 | 33.9% | 11,539 | 4.1 | 1.1 | 1,287.5 | 14 | 2 | 158 | 47.5 | 0.9 | 0.9 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 15. Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|--------|-----------------|-----------------------|-----------|------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| All | 289 | 279,460 | 12,420 | \$402,187,188 | 54.0% | 3,778,428 | 8.9 | 2,704.1 | 5 | 1 | 1 | 1 |
| Construction | 10 | 22,528 | 2,500 | \$134,112,430 | 37.1% | 991,324 | 22.2 | 8,801.0 | 1 | 3 | 2.5 | 3.3 |
| Manufacturing | 80 | 21,131 | 1,417 | \$40,986,821 | 61.5% | 419,044 | 13.4 | 3,966.1 | 2 | 5 | 1.5 | 1.5 |
| Services | 93 | 135,733 | 4,525 | \$117,961,476 | 63.6% | 1,264,472 | 6.7 | 1,863.2 | 8 | 2 | 0.8 | 0.7 |
| Transportation & Utilities | 26 | 10,584 | 526 | \$14,668,550 | 54.2% | 125,678 | 9.9 | 2,374.9 | 4 | 7 | 1.1 | 0.9 |
| Trade | 46 | 52,502 | 2,004 | \$54,514,818 | 64.6% | 600,364 | 7.6 | 2,287.0 | 7 | 4 | 0.9 | 0.8 |
| Mining | 3 | 431 | 24 | \$771,100 | 31.2% | 4,474 | 11.1 | 2,074.5 | 3 | 9 | 1.3 | 0.8 |
| Health Care | 17 | 28,444 | 1,216 | \$33,419,628 | 58.8% | 308,255 | 8.6 | 2,167.4 | 6 | 6 | 1 | 0.8 |
| Agriculture | 14 | 8,538 | 208 | \$5,752,364 | 69.2% | 64,817 | 4.9 | 1,518.3 | 9 | 8 | 0.5 | 0.6 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 15. Top 25: Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (289 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF Medical | | Lost Days | Severity Rate | Over-all Rate | Over-all Count | Over-all Rate Ratio | Overall Severity Rate Ratio | Over-all PI Rank |
|-----------|--|-----------------|-------|--------------------------|------------|---------|-----------|---------------|---------------|----------------|---------------------|-----------------------------|------------------|
| | | | | | Aid as %AF | Costs | | | | | | | |
| C | 2382 Bldg. Equip. Contractors | 5,521.2 | 1,476 | \$78,226 | 36.4% | 606,610 | 53.5 | 21,973.7 | 5 | 1 | 6 | 8.1 | 1 |
| S | 8121 Personal Care Svcs. | 1,536.0 | 207 | \$4,257 | 81.6% | 65,353 | 27 | 8,509.5 | 8 | 9 | 3 | 3.1 | 2 |
| S | 9211 Exec., Legislative, & Other General Govt. Support | 3,486.5 | 315 | \$6,484 | 56.9% | 49,619 | 18.1 | 2,846.3 | 27 | 4 | 2 | 1.1 | 3 |
| H | 6212 Offices of Dentists | 2,428.2 | 212 | \$9,612 | 35.9% | 69,432 | 17.5 | 5,718.9 | 38 | 6.5 | 2 | 2.1 | 4 |
| T | 4451 Grocery Stores | 2,702.1 | 227 | \$4,567 | 69.4% | 54,068 | 16.8 | 4,002.0 | 40 | 5 | 1.9 | 1.5 | 5 |
| C | 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,753.7 | 203 | \$10,891 | 41.0% | 76,831 | 14.7 | 5,580.2 | 53 | 10 | 1.7 | 2.1 | 6 |
| M | 3323 Architectural & Structural Metals Mfg. | 907.9 | 82 | \$2,628 | 45.0% | 21,106 | 18.1 | 4,649.4 | 28 | 36 | 2 | 1.7 | 7 |
| S | 8111 Automotive Repair & Maintenance | 2,659.3 | 197 | \$8,004 | 40.0% | 66,259 | 14.8 | 4,983.2 | 52 | 14 | 1.7 | 1.8 | 8 |
| S | 9231 Administration of Human Resource Programs | 1,528.0 | 120 | \$2,051 | 72.8% | 14,783 | 15.7 | 1,934.9 | 46 | 23 | 1.8 | 0.7 | 9 |
| C | 2383 Bldg. Finishing Contractors | 3,218.8 | 212 | \$11,472 | 41.4% | 84,930 | 13.2 | 5,277.1 | 65 | 6.5 | 1.5 | 2 | 10 |
| C | 2373 Highway, Street, & Bridge Construction | 900.1 | 80 | \$5,179 | 28.5% | 28,364 | 17.8 | 6,302.5 | 34 | 38.5 | 2 | 2.3 | 11 |
| M | 3219 Other Wood Product Mfg. | 968.8 | 79 | \$2,373 | 66.6% | 26,610 | 16.3 | 5,493.2 | 42 | 41 | 1.8 | 2 | 12 |
| C | 2362 Nonresidential Bldg. Construction | 2,177.7 | 138 | \$6,834 | 39.2% | 43,411 | 12.7 | 3,986.8 | 68 | 19 | 1.4 | 1.5 | 13 |
| M | 3211 Sawmills & Wood Preservation | 537.8 | 51 | \$2,520 | 49.3% | 20,267 | 19 | 7,537.5 | 22 | 65.5 | 2.1 | 2.8 | 14 |
| M | 3117 Seafood Product Preparation & Packaging | 556.8 | 51 | \$2,041 | 43.5% | 21,529 | 18.3 | 7,732.7 | 25 | 65.5 | 2.1 | 2.9 | 15 |
| U | 2213 Water, Sewage & Other Systems | 2,199.2 | 134 | \$2,580 | 65.6% | 15,811 | 12.2 | 1,437.9 | 71 | 21 | 1.4 | 0.5 | 16 |
| H | 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975.3 | 74 | \$1,148 | 71.6% | 8,632 | 15.2 | 1,770.1 | 49 | 45 | 1.7 | 0.7 | 17.5 |
| M | 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 818.7 | 66 | \$1,512 | 85.9% | 21,603 | 16.1 | 5,277.7 | 43 | 51 | 1.8 | 2 | 17.5 |
| S | 7223 Special Food Svcs. | 1,126.7 | 80 | \$1,793 | 89.0% | 27,777 | 14.2 | 4,930.8 | 60 | 38.5 | 1.6 | 1.8 | 19 |
| A | 1133 Logging | 706.4 | 58 | \$2,403 | 39.0% | 18,323 | 16.4 | 5,187.4 | 41 | 58 | 1.8 | 1.9 | 20 |
| M | 3261 Plastics Product Mfg. | 766 | 59 | \$1,594 | 69.1% | 19,454 | 15.4 | 5,079.4 | 48 | 56 | 1.7 | 1.9 | 21 |
| M | 3399 Other Miscellaneous Mfg. | 957.8 | 69 | \$1,734 | 70.3% | 19,615 | 14.4 | 4,095.8 | 58 | 46.5 | 1.6 | 1.5 | 22 |
| T | 4471 Gasoline Stations | 1,802.7 | 106 | \$2,163 | 85.4% | 30,154 | 11.8 | 3,345.5 | 78 | 29 | 1.3 | 1.2 | 23 |
| M | 3315 Foundries | 421.5 | 38 | \$945 | 51.1% | 8,169 | 18 | 3,876.3 | 29 | 80.5 | 2 | 1.4 | 24 |
| C | 2361 Resid. Bldg. Construction | 3,725.8 | 199 | \$9,282 | 40.3% | 73,773 | 10.7 | 3,960.1 | 98 | 13 | 1.2 | 1.5 | 25.5 |
| M | 3114 Fruit & Vegetable Preserving & Specialty Food Mfg. | 390.7 | 36 | \$739 | 83.5% | 10,112 | 18.4 | 5,176.3 | 24 | 87 | 2.1 | 1.9 | 25.5 |
| S | 7221 Full-Service Restaurants | 9,406.9 | 321 | \$7,902 | 74.5% | 115,248 | 6.8 | 2,450.3 | 171 | 3 | 0.8 | 0.9 | 64 |
| S | 7222 Limited-Service Eating Places | 12,772.9 | 332 | \$5,932 | 83.6% | 83,828 | 5.2 | 1,312.6 | 206 | 2 | 0.6 | 0.5 | 85 |
| M | 3161 Leather & Hide Tanning & Finishing | 1.5 | 2 | \$16 | 125.8% | 346 | 271 | 46,875.2 | 1 | 264 | 30.5 | 17.3 | 132 |
| M | 3122 Tobacco Mfg. | 1.7 | 1 | \$37 | 34.8% | 223 | 118.3 | 26,372.4 | 2 | 280 | 13.3 | 9.8 | 150 |
| U | 4821 Rail Transportation | 2.1 | 1 | \$2 | 318.1% | 37 | 96.9 | 3,586.3 | 3 | 280 | 10.9 | 1.3 | 151 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 15. Agriculture: Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|---|--------------------|-------|--------------------|--------------------------|--------------|------|------------------|---------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 3 Industries Ranked in sector. | 8,538 | 208 | \$5,752,364 | 69.2% | 64,817 | 4.9 | 1 | 1,518.3 | 0 | 0 | 9 | 8 | 0.5 | 0.6 |
| 1133 Logging | 706 | 58 | \$2,402,936 | 39.0% | 18,323 | 16.4 | 3.4 | 5,187.4 | 1 | 1 | 41 | 58 | 1.8 | 1.9 |
| 1151 Support Activities for Crop Production | 1,372 | 51 | \$819,450 | 116.1% | 13,987 | 7.4 | 1.5 | 2,039.1 | 7 | 2 | 161 | 65.5 | 0.8 | 0.8 |
| 1113 Fruit & Tree Nut Farming | 3,326 | 29 | \$1,038,294 | 59.5% | 11,299 | 1.7 | 0.4 | 679.5 | 12 | 3 | 276 | 105 | 0.2 | 0.3 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 15. Construction: Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 7 Industries Ranked in sector. | 22,528 | 2,500 | \$134,112,430 | 37.1% | 991,324 | 22.2 | 1 | 8,801.0 | 0 | 0 | 1 | 3 | 2.5 | 3.3 |
| 2382 Bldg. Equip. Contractors | 5,521 | 1,476 | \$78,225,604 | 36.4% | 606,610 | 53.5 | 2.4 | 21,973.7 | 1 | 1 | 5 | 1 | 6 | 8.1 |
| 2383 Bldg. Finishing Contractors | 3,219 | 212 | \$11,471,853 | 41.4% | 84,930 | 13.2 | 0.6 | 5,277.1 | 4 | 2 | 65 | 6.5 | 1.5 | 2 |
| 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,754 | 203 | \$10,891,182 | 41.0% | 76,831 | 14.7 | 0.7 | 5,580.2 | 3 | 3 | 53 | 10 | 1.7 | 2.1 |
| 2373 Highway, Street, & Bridge Construction | 900 | 80 | \$5,179,464 | 28.5% | 28,364 | 17.8 | 0.8 | 6,302.5 | 2 | 7 | 34 | 38.5 | 2 | 2.3 |
| 2362 Nonresidential Bldg. Construction | 2,178 | 138 | \$6,834,464 | 39.2% | 43,411 | 12.7 | 0.6 | 3,986.8 | 5 | 5 | 68 | 19 | 1.4 | 1.5 |
| 2361 Resid. Bldg. Construction | 3,726 | 199 | \$9,282,144 | 40.3% | 73,773 | 10.7 | 0.5 | 3,960.1 | 7 | 4 | 98 | 13 | 1.2 | 1.5 |
| 2389 Other Specialty Trade Contractors | 2,464 | 114 | \$7,622,135 | 38.5% | 52,104 | 9.3 | 0.4 | 4,229.3 | 9 | 6 | 121 | 25 | 1 | 1.6 |
| 2371 Utility System Construction | 1,145 | 57 | \$3,387,867 | 28.4% | 16,617 | 10 | 0.4 | 2,902.9 | 8 | 8 | 109 | 59 | 1.1 | 1.1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 15. Services: Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010. (1-20)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 40 Industries Ranked in sector. | 135,733 | 4,525 | \$117,961,476 | 63.6% | 1,264,472 | 6.7 | 1 | 1,863.2 | 0 | 0 | 8 | 2 | 0.8 | 0.7 |
| 9211 Exec., Legislative, & Other General Govt. Support | 3,487 | 315 | \$6,483,585 | 56.9% | 49,619 | 18.1 | 2.7 | 2,846.3 | 2 | 3 | 27 | 4 | 2 | 1.1 |
| 8121 Personal Care Svcs. | 1,536 | 207 | \$4,256,634 | 81.6% | 65,353 | 27 | 4 | 8,509.5 | 1 | 4 | 8 | 9 | 3 | 3.1 |
| 8111 Automotive Repair & Maintenance | 2,659 | 197 | \$8,004,435 | 40.0% | 66,259 | 14.8 | 2.2 | 4,983.2 | 6 | 6 | 52 | 14 | 1.7 | 1.8 |
| 9231 Administration of Human Resource Programs | 1,528 | 120 | \$2,050,594 | 72.8% | 14,783 | 15.7 | 2.4 | 1,934.9 | 4 | 11 | 46 | 23 | 1.8 | 0.7 |
| 7223 Special Food Svcs. | 1,127 | 80 | \$1,792,568 | 89.0% | 27,777 | 14.2 | 2.1 | 4,930.8 | 7 | 17 | 60 | 38.5 | 1.6 | 1.8 |
| 5617 Svcs. to Bldgs. & Dwellings | 3,845 | 196 | \$7,392,926 | 65.7% | 84,748 | 10.2 | 1.5 | 4,408.0 | 20 | 7 | 105 | 15 | 1.1 | 1.6 |
| 9261 Administration of Economic Program | 1,010 | 67 | \$1,687,720 | 57.3% | 11,816 | 13.3 | 2 | 2,340.1 | 9 | 21 | 64 | 49 | 1.5 | 0.9 |
| 5241 Insurance Carriers | 1,980 | 103 | \$3,609,001 | 42.2% | 28,200 | 10.4 | 1.6 | 2,848.2 | 19 | 13.5 | 102 | 30.5 | 1.2 | 1.1 |
| 7211 Traveler Accommodation | 2,871 | 135 | \$2,940,282 | 77.8% | 45,562 | 9.4 | 1.4 | 3,173.6 | 24 | 9 | 116 | 20 | 1.1 | 1.2 |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 131 | \$2,011,377 | 65.6% | 14,836 | 9.6 | 1.4 | 1,082.7 | 23 | 10 | 114 | 22 | 1.1 | 0.4 |
| 8123 Drycleaning & Laundry Svcs. | 530 | 41 | \$809,671 | 104.6% | 11,822 | 15.5 | 2.3 | 4,458.4 | 5 | 30 | 47 | 77.5 | 1.7 | 1.6 |
| 5613 Employment Svcs. | 4,908 | 202 | \$4,817,447 | 71.9% | 67,799 | 8.2 | 1.2 | 2,763.0 | 32 | 5 | 142 | 11.5 | 0.9 | 1 |
| 5614 Business Support Svcs. | 3,372 | 143 | \$5,781,528 | 55.1% | 61,851 | 8.5 | 1.3 | 3,668.8 | 29 | 8 | 137 | 18 | 1 | 1.4 |
| 7221 Full-Service Restaurants | 9,407 | 321 | \$7,902,174 | 74.5% | 115,248 | 6.8 | 1 | 2,450.3 | 37 | 2 | 171 | 3 | 0.8 | 0.9 |
| 5311 Lessors of Real Estate | 1,565 | 77 | \$2,040,354 | 64.6% | 23,051 | 9.8 | 1.5 | 2,946.6 | 22 | 19 | 111 | 43 | 1.1 | 1.1 |
| 7224 Drinking Places (Alcoholic Beverages) | 1,357 | 59 | \$1,345,678 | 80.0% | 22,305 | 8.7 | 1.3 | 3,286.8 | 27 | 24.5 | 134 | 56 | 1 | 1.2 |
| 5411 Legal Svcs. | 3,126 | 103 | \$1,897,623 | 79.3% | 17,918 | 6.6 | 1 | 1,146.4 | 39 | 13.5 | 177 | 30.5 | 0.7 | 0.4 |
| 7222 Limited-Service Eating Places | 12,773 | 332 | \$5,931,504 | 83.6% | 83,828 | 5.2 | 0.8 | 1,312.6 | 55 | 1 | 206 | 2 | 0.6 | 0.5 |
| 5242 Agencies, Brokerages, & Other Insurance Related Activitie | 2,723 | 89 | \$2,221,823 | 56.2% | 18,335 | 6.5 | 1 | 1,346.8 | 41 | 15 | 179 | 33 | 0.7 | 0.5 |
| 9241 Administration of Environmental Quality Programs | 1,017 | 43 | \$1,370,119 | 53.3% | 12,499 | 8.5 | 1.3 | 2,457.4 | 30 | 29 | 138 | 76 | 1 | 0.9 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 15. Services: Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010. (21-40)

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- | Over- | Over- | Overall |
|--|--------------------|-------|--------------------|--------------------------|-----------|------|---------------|------------------|--------------|---------------|-------------|--------------|-------------|------------------|
| | | | | Medical Aid as %AF | | | | | | | all Rate | all Count | all Rate | Severity Rate |
| 40 Industries Ranked in sector. | 135,733 | 4,525 | \$117,961,476 | 63.6% | 1,264,472 | 6.7 | 1 | 1,863.2 | 0 | 0 | 8 | 2 | 0.8 | 0.7 |
| 5221 Depository Credit Intermediation | 3,961 | 111 | \$2,762,837 | 58.7% | 30,077 | 5.6 | 0.8 | 1,518.7 | 49 | 12 | 196 | 27 | 0.6 | 0.6 |
| 5191 Other Information Svcs. | 686 | 32 | \$450,990 | 78.5% | 4,054 | 9.3 | 1.4 | 1,181.2 | 25 | 36 | 119 | 96.5 | 1 | 0.4 |
| 5611 Office Administrative Svcs. | 1,030 | 37 | \$2,002,804 | 41.6% | 17,822 | 7.2 | 1.1 | 3,460.9 | 35 | 32 | 166 | 83.5 | 0.8 | 1.3 |
| 8134 Civic & Social Organizations | 1,069 | 37 | \$658,392 | 93.4% | 9,077 | 6.9 | 1 | 1,698.4 | 36 | 32 | 169 | 83.5 | 0.8 | 0.6 |
| 7139 Other Amusement & Recreation Industries | 2,386 | 66 | \$1,409,444 | 75.2% | 15,759 | 5.5 | 0.8 | 1,321.2 | 50 | 22 | 198 | 51 | 0.6 | 0.5 |
| 5419 Other Professional, Scientific, & Technical Svcs. | 2,365 | 62 | \$967,922 | 99.3% | 12,740 | 5.2 | 0.8 | 1,077.5 | 52 | 23 | 202 | 54 | 0.6 | 0.4 |
| 5111 Newspaper, Periodical, Book, & Directory Publishers | 1,158 | 37 | \$783,056 | 70.1% | 9,313 | 6.4 | 1 | 1,608.2 | 45 | 32 | 183 | 83.5 | 0.7 | 0.6 |
| 6111 Elementary & Secondary Schools | 2,050 | 56 | \$840,062 | 80.4% | 6,494 | 5.5 | 0.8 | 633.5 | 51 | 26.5 | 199 | 60.5 | 0.6 | 0.2 |
| 5511 Management of Companies & Enterprises | 1,124 | 36 | \$495,707 | 106.8% | 6,408 | 6.4 | 1 | 1,140.0 | 44 | 34 | 182 | 87 | 0.7 | 0.4 |
| 6112 Junior Colleges | 1,041 | 34 | \$745,384 | 54.9% | 5,658 | 6.5 | 1 | 1,087.2 | 43 | 35 | 181 | 92 | 0.7 | 0.4 |
| 5412 Accounting, Tax Preparation, Bookkeeping, & Payroll Svcs | 2,303 | 59 | \$1,359,708 | 71.7% | 15,244 | 5.1 | 0.8 | 1,324.1 | 56 | 24.5 | 210 | 56 | 0.6 | 0.5 |
| 5416 Management, Scientific, & Technical Consulting Svcs. | 4,187 | 87 | \$3,310,441 | 54.4% | 29,199 | 4.2 | 0.6 | 1,394.6 | 68 | 16 | 237 | 34 | 0.5 | 0.5 |
| 5313 Activities Related to Real Estate | 2,220 | 56 | \$1,247,083 | 74.2% | 13,229 | 5 | 0.8 | 1,191.9 | 58 | 26.5 | 213 | 60.5 | 0.6 | 0.4 |
| 8129 Other Personal Svcs. | 1,813 | 46 | \$1,239,674 | 75.6% | 17,703 | 5.1 | 0.8 | 1,952.5 | 57 | 28 | 212 | 73.5 | 0.6 | 0.7 |
| 6113 Colleges, Universities, & Professional Schools | 3,943 | 69 | \$974,200 | 81.8% | 12,658 | 3.5 | 0.5 | 642 | 74 | 20 | 253 | 46.5 | 0.4 | 0.2 |
| 5413 Architectural, Engineering, & Related Svcs. | 5,256 | 78 | \$1,941,490 | 48.2% | 15,900 | 3 | 0.4 | 605 | 78 | 18 | 262 | 42 | 0.3 | 0.2 |
| 5615 Travel Arrangement & Reservation Svcs. | 996 | 25 | \$252,118 | 93.2% | 3,979 | 5 | 0.8 | 798.8 | 60 | 39.5 | 215 | 113 | 0.6 | 0.3 |
| 8139 Business, Professional, Labor, Political, & Similar Organizations | 1,163 | 25 | \$481,930 | 67.5% | 5,192 | 4.3 | 0.6 | 893.2 | 65 | 39.5 | 231 | 113 | 0.5 | 0.3 |
| 5415 Computer Systems Design & Related Svcs. | 3,972 | 31 | \$1,661,375 | 34.6% | 10,728 | 1.6 | 0.2 | 540.1 | 89 | 37 | 282 | 99.5 | 0.2 | 0.2 |
| 5312 Offices of Real Estate Agents & Brokers | 4,258 | 28 | \$593,045 | 80.7% | 6,371 | 1.3 | 0.2 | 299.2 | 92 | 38 | 285 | 107 | 0.1 | 0.1 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 15. Healthcare: Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|---|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | | |
| 13 Industries Ranked in sector. | 28,444 | 1,216 | \$33,419,628 | 58.8% | 308,255 | 8.6 | 1 | 2,167.4 | 0 | 0 | 6 | 6 | 1 | 0.8 | |
| 6212 Offices of Dentists | 2,428 | 212 | \$9,611,691 | 35.9% | 69,432 | 17.5 | 2 | 5,718.9 | 2 | 1 | 38 | 6.5 | 2 | 2.1 | |
| 6211 Offices of Physicians | 4,662 | 208 | \$3,802,106 | 76.5% | 33,028 | 8.9 | 1 | 1,416.9 | 6 | 2 | 124 | 8 | 1 | 0.5 | |
| 6214 Outpatient Care Centers | 2,478 | 112 | \$1,780,225 | 80.8% | 18,440 | 9 | 1.1 | 1,488.4 | 5 | 3 | 122 | 26 | 1 | 0.6 | |
| 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975 | 74 | \$1,148,351 | 71.6% | 8,632 | 15.2 | 1.8 | 1,770.1 | 4 | 7 | 49 | 45 | 1.7 | 0.7 | |
| 6231 Nursing Care Facilities | 2,454 | 108 | \$1,880,416 | 78.4% | 25,841 | 8.8 | 1 | 2,105.7 | 8 | 4 | 128 | 28 | 1 | 0.8 | |
| 6215 Medical & Diagnostic Laboratories | 566 | 45 | \$1,033,372 | 66.3% | 9,745 | 15.9 | 1.9 | 3,444.9 | 3 | 11 | 45 | 75 | 1.8 | 1.3 | |
| 6221 General Medical & Surgical Hospitals | 433 | 38 | \$1,288,318 | 38.7% | 6,450 | 17.6 | 2.1 | 2,980.1 | 1 | 13 | 37 | 80.5 | 2 | 1.1 | |
| 6233 Community Care Facilities for the Elderly | 1,935 | 80 | \$1,947,370 | 76.9% | 25,592 | 8.3 | 1 | 2,645.4 | 9 | 5.5 | 141 | 38.5 | 0.9 | 1 | |
| 6213 Offices of Other Health Practitioners | 2,022 | 80 | \$2,437,462 | 66.9% | 26,599 | 7.9 | 0.9 | 2,631.1 | 10 | 5.5 | 148 | 38.5 | 0.9 | 1 | |
| 6243 Vocational Rehabilitation Svcs. | 1,112 | 49 | \$1,838,284 | 43.6% | 14,411 | 8.8 | 1 | 2,591.4 | 7 | 10 | 126 | 69.5 | 1 | 1 | |
| 6216 Home Health Care Svcs. | 3,323 | 68 | \$2,173,484 | 71.6% | 25,462 | 4.1 | 0.5 | 1,532.6 | 15 | 8 | 240 | 48 | 0.5 | 0.6 | |
| 6241 Individual & Family Svcs. | 1,850 | 50 | \$1,763,072 | 53.9% | 13,504 | 5.4 | 0.6 | 1,460.1 | 14 | 9 | 200 | 68 | 0.6 | 0.5 | |
| 6239 Other Resid. Care Facilities | 1,049 | 40 | \$1,183,570 | 72.1% | 15,329 | 7.6 | 0.9 | 2,922.4 | 12 | 12 | 155 | 79 | 0.9 | 1.1 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 15. Manufacturing: Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|---|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 20 Industries Ranked in sector. | 21,131 | 1,417 | \$40,986,821 | 61.5% | 419,044 | 13.4 | 1 | 3,966.1 | 0 | 0 | 2 | 5 | 1.5 | 1.5 |
| 3323 Architectural & Structural Metals Mfg. | 908 | 82 | \$2,627,918 | 45.0% | 21,106 | 18.1 | 1.3 | 4,649.4 | 22 | 1 | 28 | 36 | 2 | 1.7 |
| 3211 Sawmills & Wood Preservation | 538 | 51 | \$2,519,877 | 49.3% | 20,267 | 19 | 1.4 | 7,537.5 | 18 | 8.5 | 22 | 65.5 | 2.1 | 2.8 |
| 3332 Industrial Machinery Mfg. | 300 | 31 | \$444,240 | 101.7% | 4,170 | 20.7 | 1.5 | 2,779.6 | 14 | 15 | 18 | 99.5 | 2.3 | 1 |
| 3117 Seafood Product Preparation & Packaging | 557 | 51 | \$2,040,779 | 43.5% | 21,529 | 18.3 | 1.4 | 7,732.7 | 21 | 8.5 | 25 | 65.5 | 2.1 | 2.9 |
| 3219 Other Wood Product Mfg. | 969 | 79 | \$2,373,140 | 66.6% | 26,610 | 16.3 | 1.2 | 5,493.2 | 30 | 2 | 42 | 41 | 1.8 | 2 |
| 3114 Fruit & Vegetable Preserving & Specialty Food Mfg. | 391 | 36 | \$739,135 | 83.5% | 10,112 | 18.4 | 1.4 | 5,176.3 | 20 | 12.5 | 24 | 87 | 2.1 | 1.9 |
| 3315 Foundries | 421 | 38 | \$945,050 | 51.1% | 8,169 | 18 | 1.3 | 3,876.3 | 23 | 10 | 29 | 80.5 | 2 | 1.4 |
| 3371 Household & Institutional Furniture & Kitchen Cabinet Mfg. | 819 | 66 | \$1,512,208 | 85.9% | 21,603 | 16.1 | 1.2 | 5,277.7 | 31 | 4 | 43 | 51 | 1.8 | 2 |
| 3222 Converted Paper Product Mfg. | 412 | 37 | \$429,720 | 80.6% | 6,912 | 17.9 | 1.3 | 3,351.7 | 25 | 11 | 31 | 83.5 | 2 | 1.2 |
| 3261 Plastics Product Mfg. | 766 | 59 | \$1,594,127 | 69.1% | 19,454 | 15.4 | 1.1 | 5,079.4 | 32 | 6 | 48 | 56 | 1.7 | 1.9 |
| 3366 Ship & Boat Bldg. | 380 | 34 | \$1,041,049 | 55.1% | 10,893 | 17.9 | 1.3 | 5,727.1 | 26 | 14 | 32 | 92 | 2 | 2.1 |
| 3116 Animal Slaughtering & Processing | 406 | 36 | \$924,598 | 108.8% | 14,352 | 17.7 | 1.3 | 7,062.0 | 28 | 12.5 | 35 | 87 | 2 | 2.6 |
| 3399 Other Miscellaneous Mfg. | 958 | 69 | \$1,733,995 | 70.3% | 19,615 | 14.4 | 1.1 | 4,095.8 | 39 | 3 | 58 | 46.5 | 1.6 | 1.5 |
| 3118 Bakeries & Tortilla Mfg. | 403 | 30 | \$1,184,654 | 87.0% | 15,957 | 14.9 | 1.1 | 7,913.9 | 34 | 16.5 | 51 | 103 | 1.7 | 2.9 |
| 3364 Aerospace Product & Parts Mfg. | 1,123 | 64 | \$1,037,999 | 95.5% | 10,938 | 11.4 | 0.8 | 1,947.3 | 47 | 5 | 84 | 53 | 1.3 | 0.7 |
| 3231 Printing & Related Support Activities | 1,002 | 55 | \$1,060,057 | 91.6% | 15,829 | 11 | 0.8 | 3,160.0 | 51 | 7 | 92 | 62 | 1.2 | 1.2 |
| 3329 Other Fabricated Metal Product Mfg. | 456 | 28 | \$933,290 | 51.2% | 11,080 | 12.3 | 0.9 | 4,859.5 | 42 | 18 | 70 | 107 | 1.4 | 1.8 |
| 3391 Medical Equip. & Supplies Mfg. | 396 | 26 | \$478,993 | 71.2% | 7,212 | 13.1 | 1 | 3,646.0 | 41 | 19.5 | 66 | 109 | 1.5 | 1.3 |
| 3344 Semiconductor & Other Electronic Component Mfg. | 555 | 30 | \$728,233 | 79.6% | 9,520 | 10.8 | 0.8 | 3,431.6 | 53 | 16.5 | 96 | 103 | 1.2 | 1.3 |
| 3121 Beverage Mfg. | 780 | 26 | \$391,030 | 86.5% | 5,242 | 6.7 | 0.5 | 1,344.3 | 64 | 19.5 | 175 | 109 | 0.8 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 15. Trade: Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate |
|--|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| 25 Industries Ranked in sector. | 52,502 | 2,004 | \$54,514,818 | 64.6% | 600,364 | 7.6 | 1 | 2,287.0 | 0 | 0 | 7 | 4 | 0.9 | 0.8 |
| 4451 Grocery Stores | 2,702 | 227 | \$4,566,950 | 69.4% | 54,068 | 16.8 | 2.2 | 4,002.0 | 1 | 1 | 40 | 5 | 1.9 | 1.5 |
| 4244 Grocery & Related Product Merchant Wholesalers | 3,898 | 202 | \$4,791,721 | 82.5% | 53,115 | 10.4 | 1.4 | 2,725.0 | 5 | 2 | 104 | 11.5 | 1.2 | 1 |
| 4471 Gasoline Stations | 1,803 | 106 | \$2,163,134 | 85.4% | 30,154 | 11.8 | 1.5 | 3,345.5 | 3 | 6 | 78 | 29 | 1.3 | 1.2 |
| 4539 Other Miscellaneous Store Retailers | 3,868 | 170 | \$5,585,999 | 54.9% | 55,913 | 8.8 | 1.2 | 2,891.4 | 9 | 3 | 130 | 16 | 1 | 1.1 |
| 4238 Machinery, Equip., & Supplies Merchant Wholesalers | 2,658 | 117 | \$3,490,423 | 51.3% | 30,599 | 8.8 | 1.2 | 2,302.2 | 8 | 5 | 127 | 24 | 1 | 0.9 |
| 4529 Other General Merchandise Stores | 696 | 47 | \$429,221 | 138.9% | 9,041 | 13.5 | 1.8 | 2,598.4 | 2 | 12 | 62 | 71.5 | 1.5 | 1 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesalers | 1,938 | 85 | \$3,908,545 | 64.2% | 48,004 | 8.8 | 1.1 | 4,953.6 | 11 | 7 | 132 | 35 | 1 | 1.8 |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,231 | 54 | \$1,062,128 | 104.6% | 15,138 | 8.8 | 1.1 | 2,459.6 | 10 | 10 | 131 | 63 | 1 | 0.9 |
| 4411 Automobile Dealers | 4,080 | 152 | \$5,815,261 | 43.5% | 45,693 | 7.5 | 1 | 2,240.1 | 19 | 4 | 160 | 17 | 0.8 | 0.8 |
| 4233 Lumber & Other Construction Materials Merchant Wholesalers | 1,201 | 49 | \$1,414,396 | 84.7% | 19,224 | 8.2 | 1.1 | 3,200.9 | 13 | 11 | 144 | 69.5 | 0.9 | 1.2 |
| 4441 Bldg. Material & Supplies Dealers | 1,992 | 76 | \$2,718,193 | 58.0% | 29,966 | 7.6 | 1 | 3,009.3 | 17 | 8 | 154 | 44 | 0.9 | 1.1 |
| 4231 Motor Vehicle & Motor Vehicle Parts & Supplies Merchant Wholesalers | 863 | 35 | \$566,915 | 80.0% | 7,420 | 8.1 | 1.1 | 1,719.8 | 14 | 15 | 146 | 89.5 | 0.9 | 0.6 |
| 4243 Apparel, Piece Goods, & Notions Merchant Wholesalers | 519 | 25 | \$607,553 | 71.4% | 7,555 | 9.6 | 1.3 | 2,910.2 | 6 | 24 | 113 | 113 | 1.1 | 1.1 |
| 4543 Direct Selling Establishments | 845 | 32 | \$1,104,266 | 52.8% | 10,636 | 7.6 | 1 | 2,518.2 | 18 | 19 | 157 | 96.5 | 0.9 | 0.9 |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,337 | 66 | \$1,597,446 | 66.6% | 20,780 | 5.6 | 0.7 | 1,778.2 | 29 | 9 | 193 | 51 | 0.6 | 0.7 |
| 4248 Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 632 | 25 | \$291,053 | 99.4% | 4,309 | 7.9 | 1 | 1,363.6 | 15 | 24 | 149 | 113 | 0.9 | 0.5 |
| 4239 Miscellaneous Durable Goods Merchant Wholesalers | 975 | 34 | \$1,174,630 | 53.9% | 9,620 | 7 | 0.9 | 1,974.0 | 24 | 16 | 168 | 92 | 0.8 | 0.7 |
| 4442 Lawn & Garden Equip. & Supplies Stores | 808 | 30 | \$1,144,109 | 63.3% | 12,050 | 7.4 | 1 | 2,982.5 | 20 | 21 | 162 | 103 | 0.8 | 1.1 |
| 4236 Electrical & Electronic Goods Merchant Wholesalers | 1,343 | 41 | \$866,281 | 82.9% | 11,705 | 6.1 | 0.8 | 1,742.9 | 28 | 14 | 189 | 77.5 | 0.7 | 0.6 |
| 4532 Office Supplies, Stationery, & Gift Stores | 937 | 32 | \$610,800 | 80.9% | 8,570 | 6.8 | 0.9 | 1,828.7 | 25 | 19 | 170 | 96.5 | 0.8 | 0.7 |
| 4452 Specialty Food Stores | 708 | 26 | \$1,069,024 | 64.4% | 12,293 | 7.3 | 1 | 3,470.6 | 22 | 22 | 165 | 109 | 0.8 | 1.3 |
| 4461 Health & Personal Care Stores | 1,342 | 33 | \$276,780 | 111.4% | 4,345 | 4.9 | 0.6 | 647.5 | 32 | 17 | 218 | 94 | 0.6 | 0.2 |
| 4431 Electronics & Appliance Stores | 2,771 | 46 | \$1,140,309 | 65.6% | 14,089 | 3.3 | 0.4 | 1,016.9 | 43 | 13 | 256 | 73.5 | 0.4 | 0.4 |
| 4481 Clothing Stores | 1,775 | 32 | \$1,225,075 | 36.5% | 9,942 | 3.6 | 0.5 | 1,119.9 | 40 | 19 | 248 | 96.5 | 0.4 | 0.4 |
| 4511 Sporting Goods, Hobby, & Musical Instrument Stores | 1,129 | 25 | \$910,961 | 68.9% | 10,294 | 4.4 | 0.6 | 1,823.7 | 36 | 24 | 229 | 113 | 0.5 | 0.7 |

Rate: Incidence rate per 10,000 FTEs
 Severity rate: time loss days per 10,000 FTEs
 Prevention Index:(rate rank + count rank)/2
 Indemnity: non-medical direct costs
 SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 15. Utilities: Washington State All Compensable CARPAL TUNNEL SYNDROME Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--|--------------------|-------|--------------------|---------------|--------------|------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 6 Industries Ranked in sector. | 10,584 | 526 | \$14,668,550 | 54.2% | 125,678 | 9.9 | 1 | 2,374.9 | 0 | 0 | 4 | 7 | 1.1 | 0.9 |
| 2213 Water, Sewage & Other Systems | 2,199 | 134 | \$2,580,402 | 65.6% | 15,811 | 12.2 | 1.2 | 1,437.9 | 7 | 1 | 71 | 21 | 1.4 | 0.5 |
| 4852 Interurban & Rural Bus Transportation | 262 | 30 | \$1,059,597 | 35.7% | 5,873 | 22.9 | 2.3 | 4,474.7 | 2 | 6 | 14 | 103 | 2.6 | 1.7 |
| 4841 General Freight Trucking | 1,793 | 98 | \$4,108,007 | 47.6% | 33,385 | 10.9 | 1.1 | 3,724.9 | 9 | 2 | 94 | 32 | 1.2 | 1.4 |
| 2211 Electric Power Generation, Transmission & Distributio | 567 | 35 | \$256,492 | 105.9% | 1,944 | 12.4 | 1.2 | 686.1 | 6 | 5 | 69 | 89.5 | 1.4 | 0.3 |
| 4842 Specialized Freight Trucking | 935 | 51 | \$1,714,181 | 48.5% | 14,204 | 10.9 | 1.1 | 3,037.3 | 10 | 3 | 95 | 65.5 | 1.2 | 1.1 |
| 4931 Warehousing & Storage | 934 | 47 | \$1,769,981 | 52.1% | 22,503 | 10.1 | 1 | 4,819.1 | 12 | 4 | 106 | 71.5 | 1.1 | 1.8 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 16. Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | | Lost Days Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|-------|-----------------|-----------------------|----------------|----------------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| | | | | | %AF | Lost Days Rate | | | | | | |
| All | 256 | 279,460 | 4,517 | \$319,147,531 | 57.4% | 2,620,692 | 3.2 | 1,875.5 | 7 | 1 | 1 | 1 |
| Construction | 10 | 22,528 | 878 | \$97,888,256 | 45.6% | 645,034 | 7.8 | 5,726.6 | 1 | 3 | 2.4 | 3.1 |
| Transportation & Utilities | 26 | 10,584 | 276 | \$14,318,563 | 61.4% | 120,286 | 5.2 | 2,273.0 | 2 | 7 | 1.6 | 1.2 |
| Health Care | 17 | 28,444 | 579 | \$23,995,479 | 78.2% | 272,917 | 4.1 | 1,919.0 | 4 | 5 | 1.3 | 1 |
| Trade | 46 | 52,502 | 873 | \$56,410,379 | 59.2% | 483,487 | 3.3 | 1,841.8 | 6 | 4 | 1 | 1 |
| Manufacturing | 62 | 21,131 | 394 | \$31,881,839 | 53.9% | 243,659 | 3.7 | 2,306.1 | 5 | 6 | 1.2 | 1.2 |
| Services | 82 | 135,733 | 1,396 | \$85,875,245 | 64.8% | 786,664 | 2.1 | 1,159.1 | 9 | 2 | 0.6 | 0.6 |
| Mining | 2 | 431 | 9 | \$1,384,848 | 33.9% | 9,135 | 4.2 | 4,235.8 | 3 | 9 | 1.3 | 2.3 |
| Agriculture | 11 | 8,538 | 112 | \$7,392,922 | 57.6% | 59,510 | 2.6 | 1,393.9 | 8 | 8 | 0.8 | 0.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 16. Top 25: Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (256 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF | | Rate | Severity Rate | Over-all Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio | Over-all PI Rank |
|-----------|---|-----------------|-------|--------------------------|------------|-------------------|------|---------------|---------------|---------------------|---------------------|-----------------------------|------------------|
| | | | | | Aid as %AF | Medical Lost Days | | | | | | | |
| H 6231 | Nursing Care Facilities | 2,454.4 | 160 | \$4,868 | 86.9% | 58,131 | 13 | 4,736.9 | 2 | 2 | 4 | 2.5 | 1 |
| C 2381 | Foundation, Structure, & Bldg. Exterior Contractors | 2,753.7 | 158 | \$17,997 | 46.9% | 123,295 | 11.5 | 8,954.9 | 3 | 3 | 3.5 | 4.8 | 2 |
| C 2361 | Resid. Bldg. Construction | 3,725.8 | 161 | \$16,663 | 49.4% | 123,152 | 8.6 | 6,610.7 | 13 | 1 | 2.7 | 3.5 | 3 |
| C 2383 | Bldg. Finishing Contractors | 3,218.8 | 137 | \$15,586 | 45.7% | 102,714 | 8.5 | 6,382.1 | 14 | 6 | 2.6 | 3.4 | 4.5 |
| C 2389 | Other Specialty Trade Contractors | 2,463.9 | 109 | \$11,439 | 53.7% | 77,548 | 8.8 | 6,294.6 | 12 | 8 | 2.7 | 3.4 | 4.5 |
| H 6233 | Community Care Facilities for the Elderly | 1,934.8 | 77 | \$2,678 | 89.2% | 38,367 | 8 | 3,965.9 | 20 | 13 | 2.5 | 2.1 | 6 |
| S 5617 | Svcs. to Bldgs. & Dwellings | 3,845.2 | 141 | \$7,732 | 93.4% | 86,810 | 7.3 | 4,515.3 | 31 | 5 | 2.3 | 2.4 | 7 |
| C 2362 | Nonresidential Bldg. Construction | 2,177.7 | 84 | \$10,500 | 40.6% | 63,801 | 7.7 | 5,859.4 | 26 | 11 | 2.4 | 3.1 | 8 |
| C 2371 | Utility System Construction | 1,144.8 | 47 | \$4,693 | 51.3% | 27,471 | 8.2 | 4,799.1 | 18 | 25 | 2.5 | 2.6 | 9 |
| U 4841 | General Freight Trucking | 1,792.5 | 66 | \$5,276 | 49.8% | 40,419 | 7.4 | 4,509.7 | 29 | 17 | 2.3 | 2.4 | 10 |
| H 6232 | Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975.3 | 39 | \$1,778 | 75.7% | 19,058 | 8 | 3,908.2 | 19 | 28 | 2.5 | 2.1 | 11 |
| U 4842 | Specialized Freight Trucking | 935.3 | 37 | \$1,985 | 59.4% | 16,104 | 7.9 | 3,443.6 | 21 | 30.5 | 2.4 | 1.8 | 12 |
| A 1133 | Logging | 706.4 | 30 | \$3,213 | 51.3% | 19,237 | 8.5 | 5,446.1 | 15 | 39 | 2.6 | 2.9 | 13 |
| M 3261 | Plastics Product Mfg. | 766 | 30 | \$1,772 | 71.0% | 19,058 | 7.8 | 4,976.0 | 22 | 39 | 2.4 | 2.7 | 14 |
| M 4248 | Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 632 | 26 | \$747 | 99.3% | 8,738 | 8.2 | 2,765.2 | 17 | 46.5 | 2.5 | 1.5 | 15 |
| S 8111 | Automotive Repair & Maintenance | 2,659.3 | 80 | \$6,515 | 57.6% | 59,706 | 6 | 4,490.4 | 52 | 12 | 1.9 | 2.4 | 16 |
| C 2382 | Bldg. Equip. Contractors | 5,521.2 | 147 | \$15,458 | 38.6% | 97,277 | 5.3 | 3,523.7 | 61 | 4 | 1.6 | 1.9 | 17 |
| M 3315 | Foundries | 421.5 | 19 | \$1,957 | 65.6% | 15,721 | 9 | 7,459.9 | 9 | 65 | 2.8 | 4 | 18 |
| M 3219 | Other Wood Product Mfg. | 968.8 | 32 | \$3,018 | 51.8% | 25,765 | 6.6 | 5,318.8 | 41 | 36 | 2 | 2.8 | 19 |
| M 3211 | Sawmills & Wood Preservation | 537.8 | 21 | \$1,991 | 51.0% | 16,121 | 7.8 | 5,995.5 | 24 | 55.5 | 2.4 | 3.2 | 20 |
| H 6239 | Other Resid. Care Facilities | 1,049.1 | 33 | \$1,041 | 76.3% | 14,641 | 6.3 | 2,791.3 | 46 | 34 | 1.9 | 1.5 | 21 |
| T 4421 | Furniture Stores | 779.9 | 26 | \$1,356 | 66.0% | 16,486 | 6.7 | 4,227.8 | 38 | 46.5 | 2.1 | 2.3 | 22 |
| U 4811 | Scheduled Air Transportation | 299.2 | 14 | \$1,079 | 45.0% | 6,428 | 9.4 | 4,297.3 | 6 | 83 | 2.9 | 2.3 | 23 |
| T 4441 | Bldg. Material & Supplies Dealers | 1,991.5 | 50 | \$5,035 | 45.9% | 42,756 | 5 | 4,293.8 | 70 | 22.5 | 1.6 | 2.3 | 24 |
| S 5311 | Lessors of Real Estate | 1,564.6 | 40 | \$3,136 | 50.6% | 28,688 | 5.1 | 3,667.2 | 68 | 27 | 1.6 | 2 | 25 |
| M 3365 | Railroad Rolling Stock Mfg. | 30.8 | 3 | \$54 | 132.9% | 303 | 19.5 | 1,969.5 | 1 | 187 | 6 | 1.1 | 74 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 16. Agriculture: Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--------------------------------|--------------------|-------|--------------------|--------------------------------|--------------|------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| 2 Industries Ranked in sector. | 8,538 | 112 | \$7,392,922 | 57.6% | 59,510 | 2.6 | 1 | 1,393.9 | 0 | 0 | 8 | 8 | 0.8 | 0.7 |
| 1133 Logging | 706 | 30 | \$3,213,030 | 51.3% | 19,237 | 8.5 | 3.2 | 5,446.1 | 1 | 2 | 15 | 39 | 2.6 | 2.9 |
| 1113 Fruit & Tree Nut Farming | 3,326 | 32 | \$2,065,036 | 43.3% | 15,116 | 1.9 | 0.7 | 909 | 8 | 1 | 189 | 36 | 0.6 | 0.5 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 16. Construction: Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | | |
| 7 Industries Ranked in sector. | 22,528 | 878 | \$97,888,256 | 45.6% | 645,034 | 7.8 | 1 | 5,726.6 | 0 | 0 | 0 | 1 | 3 | 2.4 | 3.1 |
| 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,754 | 158 | \$17,997,171 | 46.9% | 123,295 | 11.5 | 1.5 | 8,954.9 | 1 | 2 | 3 | 3 | 3 | 3.5 | 4.8 |
| 2361 Resid. Bldg. Construction | 3,726 | 161 | \$16,662,834 | 49.4% | 123,152 | 8.6 | 1.1 | 6,610.7 | 3 | 1 | 13 | 1 | 2.7 | 3.5 | |
| 2389 Other Specialty Trade Contractors | 2,464 | 109 | \$11,439,342 | 53.7% | 77,548 | 8.8 | 1.1 | 6,294.6 | 2 | 5 | 12 | 8 | 2.7 | 3.4 | |
| 2383 Bldg. Finishing Contractors | 3,219 | 137 | \$15,586,120 | 45.7% | 102,714 | 8.5 | 1.1 | 6,382.1 | 4 | 4 | 14 | 6 | 2.6 | 3.4 | |
| 2382 Bldg. Equip. Contractors | 5,521 | 147 | \$15,457,750 | 38.6% | 97,277 | 5.3 | 0.7 | 3,523.7 | 8 | 3 | 61 | 4 | 1.6 | 1.9 | |
| 2362 Nonresidential Bldg. Construction | 2,178 | 84 | \$10,499,997 | 40.6% | 63,801 | 7.7 | 1 | 5,859.4 | 6 | 6 | 26 | 11 | 2.4 | 3.1 | |
| 2371 Utility System Construction | 1,145 | 47 | \$4,693,254 | 51.3% | 27,471 | 8.2 | 1.1 | 4,799.1 | 5 | 7 | 18 | 25 | 2.5 | 2.6 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 16. Services: Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | | Severity | | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|--|--------------------|-------|--------------------|--------------------------------|--------------|------|-------|----------|------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | | | Rate | Ratio | Rate | Rate | | | | | | |
| 13 Industries Ranked in sector. | 135,733 | 1,396 | \$85,875,245 | 64.8% | 786,664 | 2.1 | 1 | 1,159.1 | 0 | 0 | 9 | 2 | 0.6 | 0.6 | |
| 5617 Svcs. to Bldgs. & Dwellings | 3,845 | 141 | \$7,731,650 | 93.4% | 86,810 | 7.3 | 3.6 | 4,515.3 | 2 | 1 | 31 | 5 | 2.3 | 2.4 | |
| 8111 Automotive Repair & Maintenance | 2,659 | 80 | \$6,515,239 | 57.6% | 59,706 | 6 | 2.9 | 4,490.4 | 6 | 5 | 52 | 12 | 1.9 | 2.4 | |
| 5613 Employment Svcs. | 4,908 | 102 | \$6,666,411 | 65.9% | 68,135 | 4.2 | 2 | 2,776.7 | 14 | 3 | 95 | 9 | 1.3 | 1.5 | |
| 5311 Lessors of Real Estate | 1,565 | 40 | \$3,136,379 | 50.6% | 28,688 | 5.1 | 2.5 | 3,667.2 | 9 | 9 | 68 | 27 | 1.6 | 2 | |
| 9221 Justice, Public Order, & Safety Activities | 2,741 | 57 | \$4,223,089 | 43.1% | 24,063 | 4.2 | 2 | 1,756.0 | 13 | 6 | 93 | 19 | 1.3 | 0.9 | |
| 7211 Traveler Accommodation | 2,871 | 52 | \$2,588,717 | 84.0% | 29,328 | 3.6 | 1.8 | 2,042.8 | 18 | 7 | 118 | 21 | 1.1 | 1.1 | |
| 5313 Activities Related to Real Estate | 2,220 | 36 | \$3,258,664 | 58.2% | 27,176 | 3.2 | 1.6 | 2,448.5 | 26 | 10 | 131 | 32.5 | 1 | 1.3 | |
| 8129 Other Personal Svcs. | 1,813 | 27 | \$858,049 | 83.0% | 11,471 | 3 | 1.4 | 1,265.2 | 28 | 13 | 141 | 43.5 | 0.9 | 0.7 | |
| 9211 Exec., Legislative, & Other General Govt. Support | 3,487 | 43 | \$3,064,838 | 52.0% | 23,571 | 2.5 | 1.2 | 1,352.1 | 38 | 8 | 163 | 26 | 0.8 | 0.7 | |
| 7222 Limited-Service Eating Places | 12,773 | 115 | \$3,004,965 | 112.9% | 36,705 | 1.8 | 0.9 | 574.7 | 46 | 2 | 193 | 7 | 0.6 | 0.3 | |
| 7139 Other Amusement & Recreation Industries | 2,386 | 30 | \$1,890,079 | 60.4% | 17,321 | 2.5 | 1.2 | 1,452.2 | 36 | 12 | 160 | 39 | 0.8 | 0.8 | |
| 7221 Full-Service Restaurants | 9,407 | 91 | \$3,899,684 | 86.2% | 52,564 | 1.9 | 0.9 | 1,117.6 | 45 | 4 | 187 | 10 | 0.6 | 0.6 | |
| 5416 Management, Scientific, & Technical Consulting Svcs | 4,187 | 32 | \$1,800,115 | 79.5% | 17,700 | 1.5 | 0.7 | 845.4 | 51 | 11 | 205 | 36 | 0.5 | 0.5 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 16. Healthcare: Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Rate Rank | Severity Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|---|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|--------------|--------------------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | | |
| 9 Industries Ranked in sector. | 28,444 | 579 | \$23,995,479 | 78.2% | 272,917 | 4.1 | 1 | 1,919.0 | 0 | 0 | 4 | 5 | 1.3 | 1 | |
| 6231 Nursing Care Facilities | 2,454 | 160 | \$4,868,429 | 86.9% | 58,131 | 13 | 3.2 | 4,736.9 | 1 | 1 | 2 | 2 | 4 | 2.5 | |
| 6233 Community Care Facilities for the Elderly | 1,935 | 77 | \$2,677,699 | 89.2% | 38,367 | 8 | 2 | 3,965.9 | 3 | 2 | 20 | 13 | 2.5 | 2.1 | |
| 6232 Resid. Mental Retardation, Mental Health & Substance Abuse Facilities | 975 | 39 | \$1,777,687 | 75.7% | 19,058 | 8 | 2 | 3,908.2 | 2 | 4 | 19 | 28 | 2.5 | 2.1 | |
| 6239 Other Resid. Care Facilities | 1,049 | 33 | \$1,041,296 | 76.3% | 14,641 | 6.3 | 1.5 | 2,791.3 | 5 | 6 | 46 | 34 | 1.9 | 1.5 | |
| 6216 Home Health Care Svcs. | 3,323 | 67 | \$3,410,314 | 83.4% | 44,620 | 4 | 1 | 2,685.7 | 10 | 3 | 101 | 16 | 1.2 | 1.4 | |
| 6241 Individual & Family Svcs. | 1,850 | 38 | \$1,847,565 | 93.3% | 25,322 | 4.1 | 1 | 2,737.9 | 9 | 5 | 96 | 29 | 1.3 | 1.5 | |
| 6243 Vocational Rehabilitation Svcs. | 1,112 | 26 | \$1,432,924 | 46.1% | 9,951 | 4.7 | 1.1 | 1,789.4 | 6 | 8 | 81 | 46.5 | 1.4 | 1 | |
| 6214 Outpatient Care Centers | 2,478 | 29 | \$1,313,678 | 83.2% | 13,216 | 2.3 | 0.6 | 1,066.7 | 12 | 7 | 170 | 41 | 0.7 | 0.6 | |
| 6211 Offices of Physicians | 4,662 | 25 | \$1,986,048 | 60.0% | 15,865 | 1.1 | 0.3 | 680.6 | 16 | 9 | 225 | 49 | 0.3 | 0.4 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 16. Manufacturing: Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Lost Days | Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|--------------------------------|--------------------|-------|--------------------|---------------|--|--------------|------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | | | | | | | | | | | |
| 2 Industries Ranked in sector. | 21,131 | 394 | \$31,881,839 | 53.9% | | 243,659 | 3.7 | 1 | 2,306.1 | 0 | 0 | 5 | 6 | 1.2 | 1.2 |
| 3261 Plastics Product Mfg. | 766 | 30 | \$1,772,412 | 71.0% | | 19,058 | 7.8 | 2.1 | 4,976.0 | 6 | 2 | 22 | 39 | 2.4 | 2.7 |
| 3219 Other Wood Product Mfg. | 969 | 32 | \$3,018,203 | 51.8% | | 25,765 | 6.6 | 1.8 | 5,318.8 | 16 | 1 | 41 | 36 | 2 | 2.8 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 16. Trade: Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Rate | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|---|--------------------|-------|--------------------|---------------|--------------|--------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 13 Industries Ranked in sector. | 52,502 | 873 | \$56,410,379 | 59.2% | 483,487 | 3.3 | 1 | 1,841.8 | 0 | 0 | 6 | 4 | 1 | 1 |
| 4248 Beer, Wine, & Distilled Alcoholic Beverage Merchant Wholesalers | 632 | 26 | \$746,823 | 99.3% | 8,738 | 8.2 | 2.5 | 2,765.2 | 2 | 12 | 17 | 46.5 | 2.5 | 1.5 |
| 4421 Furniture Stores | 780 | 26 | \$1,356,026 | 66.0% | 16,486 | 6.7 | 2 | 4,227.8 | 4 | 12 | 38 | 46.5 | 2.1 | 2.3 |
| 4441 Bldg. Material & Supplies Dealers | 1,992 | 50 | \$5,035,399 | 45.9% | 42,756 | 5 | 1.5 | 4,293.8 | 12 | 5 | 70 | 22.5 | 1.6 | 2.3 |
| 4539 Other Miscellaneous Store Retailers | 3,868 | 75 | \$4,154,631 | 62.4% | 32,452 | 3.9 | 1.2 | 1,678.2 | 20 | 1 | 107 | 14 | 1.2 | 0.9 |
| 4451 Grocery Stores | 2,702 | 54 | \$2,270,625 | 64.3% | 22,807 | 4 | 1.2 | 1,688.1 | 18 | 4 | 103 | 20 | 1.2 | 0.9 |
| 4471 Gasoline Stations | 1,803 | 37 | \$1,854,485 | 53.1% | 13,524 | 4.1 | 1.2 | 1,500.5 | 16 | 7 | 97 | 30.5 | 1.3 | 0.8 |
| 4233 Lumber & Other Construction Materials Merchant Wholesalers | 1,201 | 27 | \$1,429,170 | 69.3% | 9,620 | 4.5 | 1.4 | 1,601.8 | 14 | 10 | 86 | 43.5 | 1.4 | 0.9 |
| 4244 Grocery & Related Product Merchant Wholesalers | 3,898 | 71 | \$3,946,861 | 74.6% | 36,027 | 3.6 | 1.1 | 1,848.3 | 23 | 2 | 116 | 15 | 1.1 | 1 |
| 4413 Automotive Parts, Accessories, & Tire Stores | 1,231 | 26 | \$2,191,117 | 48.6% | 21,229 | 4.2 | 1.3 | 3,449.2 | 15 | 12 | 92 | 46.5 | 1.3 | 1.8 |
| 4411 Automobile Dealers | 4,080 | 65 | \$5,932,583 | 50.4% | 41,127 | 3.2 | 1 | 2,016.2 | 25 | 3 | 134 | 18 | 1 | 1.1 |
| 4238 Machinery, Equip., & Supplies Merchant Wholesalers | 2,658 | 49 | \$2,097,515 | 68.4% | 15,331 | 3.7 | 1.1 | 1,153.5 | 22 | 6 | 113 | 24 | 1.1 | 0.6 |
| 4249 Miscellaneous Nondurable Goods Merchant Wholesaler | 1,938 | 36 | \$1,752,330 | 68.2% | 17,579 | 3.7 | 1.1 | 1,814.0 | 21 | 8 | 112 | 32.5 | 1.1 | 1 |
| 4234 Professional & Commercial Equip. & Supplies Merchant Wholesalers | 2,337 | 28 | \$2,927,815 | 46.4% | 17,914 | 2.4 | 0.7 | 1,532.9 | 28 | 9 | 167 | 42 | 0.7 | 0.8 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 16. Utilities: Washington State All Compensable SCIATICA Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate | Severity Rate | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio |
|------------------------------------|--------------------|-------|--------------------|---------------|--------------|------|------------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|
| | | | | Aid as %AF | Lost Days | | | | | | | | | | |
| 3 Industries Ranked in sector. | 10,584 | 276 | \$14,318,563 | 61.4% | 120,286 | 5.2 | 1 | 2,273.0 | 0 | 0 | 0 | 2 | 7 | 1.6 | 1.2 |
| 4841 General Freight Trucking | 1,793 | 66 | \$5,276,424 | 49.8% | 40,419 | 7.4 | 1.4 | 4,509.7 | 6 | 1 | 29 | 17 | 2.3 | 2.4 | |
| 4842 Specialized Freight Trucking | 935 | 37 | \$1,985,295 | 59.4% | 16,104 | 7.9 | 1.5 | 3,443.6 | 4 | 3 | 21 | 30.5 | 2.4 | 1.8 | |
| 2213 Water, Sewage & Other Systems | 2,199 | 50 | \$1,807,182 | 81.0% | 12,342 | 4.5 | 0.9 | 1,122.4 | 14 | 2 | 83 | 22.5 | 1.4 | 0.6 | |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 17. Washington State All Compensable KNEE BURSITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Number of Industries in Sector | Hours (100,000) | Count | Indemnity Costs | SF Medical Aid as %AF | Lost Days | Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio |
|----------------------------|--------------------------------|-----------------|-------|-----------------|-----------------------|-----------|------|---------------|--------------------|---------------------|---------------------|-----------------------------|
| All | 136 | 279,460 | 480 | \$16,924,208 | 62.2% | 138,676 | 0.3 | 99.2 | 6 | 1 | 1 | 1 |
| Construction | 9 | 22,528 | 169 | \$6,672,948 | 43.6% | 47,642 | 1.5 | 423 | 1 | 2 | 4.4 | 4.3 |
| Transportation & Utilities | 14 | 10,584 | 39 | \$1,344,690 | 63.1% | 10,937 | 0.7 | 206.7 | 2 | 5 | 2.1 | 2.1 |
| Manufacturing | 22 | 21,131 | 37 | \$2,343,691 | 68.5% | 13,174 | 0.4 | 124.7 | 5 | 6 | 1 | 1.3 |
| Trade | 28 | 52,502 | 77 | \$1,679,316 | 97.4% | 18,403 | 0.3 | 70.1 | 7 | 4 | 0.9 | 0.7 |
| Services | 45 | 135,733 | 119 | \$3,288,657 | 70.4% | 32,414 | 0.2 | 47.8 | 8 | 3 | 0.5 | 0.5 |
| Mining | 1 | 431 | 1 | \$178,114 | 50.0% | 1,129 | 0.5 | 523.5 | 3 | 9 | 1.3 | 5.3 |
| Agriculture | 7 | 8,538 | 15 | \$541,898 | 49.0% | 5,661 | 0.4 | 132.6 | 4 | 8 | 1 | 1.3 |
| Health Care | 10 | 28,444 | 23 | \$874,895 | 99.2% | 9,316 | 0.2 | 65.5 | 9 | 7 | 0.5 | 0.7 |

Rate: Incidence rate per 10,000 FTEs

Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

Table 17. Top 25: Washington State All Compensable KNEE BURSITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| NORA Code | Industry Description (136 Industries Ranked In Sector) | Hours (100,000) | Count | Indemnity Costs (\$1000) | SF Medical Aid as %AF | Lost Days | Severity Rate | Severity Rate | Over-all Rate Rank | Over-all Count Rank | Over-all Rate Ratio | Overall Severity Rate Ratio | Overall PI Rank |
|-----------|--|-----------------|-------|--------------------------|-----------------------|-----------|---------------|---------------|--------------------|---------------------|---------------------|-----------------------------|-----------------|
| C | 2361 Resid. Bldg. Construction | 3,725.8 | 39 | \$489 | 75.4% | 4,214 | 2.1 | 226.2 | 6 | 2 | 6.1 | 2.3 | 1 |
| C | 2382 Bldg. Equip. Contractors | 5,521.2 | 55 | \$1,901 | 42.0% | 13,180 | 2 | 477.4 | 8 | 1 | 5.8 | 4.8 | 2 |
| C | 2383 Bldg. Finishing Contractors | 3,218.8 | 28 | \$775 | 47.4% | 7,879 | 1.7 | 489.6 | 12 | 3 | 5.1 | 4.9 | 3 |
| M | 3366 Ship & Boat Bldg. | 380.4 | 8 | \$43 | 125.8% | 480 | 4.2 | 252.4 | 3 | 12.5 | 12.2 | 2.5 | 4 |
| C | 2381 Foundation, Structure, & Bldg. Exterior Contractors | 2,753.7 | 23 | \$2,035 | 36.4% | 11,373 | 1.7 | 826 | 14 | 4 | 4.9 | 8.3 | 5 |
| U | 4841 General Freight Trucking | 1,792.5 | 14 | \$662 | 60.1% | 4,697 | 1.6 | 524.1 | 15 | 6 | 4.5 | 5.3 | 6 |
| A | 1133 Logging | 706.4 | 6 | \$137 | 67.0% | 2,089 | 1.7 | 591.4 | 13 | 18.5 | 4.9 | 6 | 7 |
| U | 4842 Specialized Freight Trucking | 935.3 | 7 | \$58 | 146.6% | 606 | 1.5 | 129.6 | 17 | 15 | 4.4 | 1.3 | 8 |
| S | 8111 Automotive Repair & Maintenance | 2,659.3 | 12 | \$95 | 108.5% | 998 | 0.9 | 75.1 | 33 | 7 | 2.6 | 0.8 | 9 |
| C | 2379 Other Heavy & Civil Engineering Construction | 300.4 | 3 | \$168 | 46.1% | 1,324 | 2 | 881.6 | 7 | 34.5 | 5.8 | 8.9 | 10 |
| S | 5617 Svcs. to Bldgs. & Dwellings | 3,845.2 | 16 | \$237 | 69.1% | 2,442 | 0.8 | 127 | 37 | 5 | 2.4 | 1.3 | 11 |
| T | 4422 Home Furnishings Stores | 732.8 | 5 | \$269 | 44.3% | 2,923 | 1.4 | 797.8 | 20 | 22.5 | 4 | 8 | 12 |
| C | 2362 Nonresidential Bldg. Construction | 2,177.7 | 9 | \$303 | 75.4% | 3,207 | 0.8 | 294.5 | 38 | 10.5 | 2.4 | 3 | 13 |
| S | 9221 Justice, Public Order, & Safety Activities | 2,740.6 | 11 | \$187 | 82.2% | 1,045 | 0.8 | 76.3 | 41 | 8 | 2.3 | 0.8 | 14 |
| T | 4451 Grocery Stores | 2,702.1 | 10 | \$182 | 92.1% | 2,089 | 0.7 | 154.6 | 44 | 9 | 2.2 | 1.6 | 15 |
| S | 5621 Waste Collection | 426.2 | 3 | \$121 | 38.8% | 884 | 1.4 | 414.8 | 19 | 34.5 | 4.1 | 4.2 | 16 |
| M | 3362 Motor Vehicle Body & Trailer Mfg. | 83.8 | 2 | \$24 | 80.3% | 132 | 4.8 | 314.9 | 2 | 52 | 13.9 | 3.2 | 17 |
| M | 3372 Office Furniture (including Fixtures) Mfg. | 204.6 | 2 | \$41 | 63.3% | 324 | 2 | 316.7 | 9 | 52 | 5.7 | 3.2 | 18 |
| H | 6231 Nursing Care Facilities | 2,454.4 | 8 | \$125 | 86.3% | 1,362 | 0.7 | 111 | 51 | 12.5 | 1.9 | 1.1 | 19 |
| U | 4881 Support Activities for Air Transportation | 651.9 | 3 | \$26 | 131.3% | 258 | 0.9 | 79.2 | 31 | 34.5 | 2.7 | 0.8 | 20 |
| M | 3335 Metalworking Machinery Mfg. | 265.5 | 2 | \$364 | 103.2% | 2,063 | 1.5 | 1,553.9 | 16 | 52 | 4.4 | 15.7 | 21 |
| U | 4811 Scheduled Air Transportation | 299.2 | 2 | \$10 | 237.4% | 154 | 1.3 | 103 | 21 | 52 | 3.9 | 1 | 22 |
| C | 2371 Utility System Construction | 1,144.8 | 4 | \$697 | 31.7% | 4,629 | 0.7 | 808.7 | 46 | 27.5 | 2 | 8.1 | 23 |
| U | 4883 Support Activities for Water Transportation | 319.6 | 2 | \$5 | 324.2% | 118 | 1.3 | 73.8 | 23 | 52 | 3.6 | 0.7 | 24 |
| S | 5311 Lessors of Real Estate | 1,564.6 | 5 | \$56 | 147.5% | 357 | 0.6 | 45.6 | 53 | 22.5 | 1.9 | 0.5 | 25 |
| M | 3312 Steel Product Mfg. from Purchased Steel | 40 | 1 | \$258 | 27.4% | 1,414 | 5 | 7,076.0 | 1 | 101 | 14.6 | 71.3 | 38.5 |

Top 25 Industry Groups by Prevention Index and those ranked top 3 in count or rate

Rate: Incidence rate per 10,000 FTE

Severity Rate: time loss days per 10,000 FTE

Rate Ratio: the industry group rate divided by the over all average rate

Prevention Index: (rate rank + count rank) / 2

Indemnity: non-medical direct costs

SF Medical Aid as %AF: Indemnity costs typically represent 2/3 of total cost (MA is 50% of AF). Self Insured Employers do not report medical cost so we provide the State Fund % as a potential estimate factor

Table 17. Construction: Washington State All Compensable KNEE BURSITIS Claims: Industry Groups by Prevention Index, 2002-2010.

| Industry Group | Hours (100,000) | Count | Indemnity Costs | SF Medical | | Rate Ratio | Severity Rate | Rate Rank | Count Rank | Over- all Rate Rank | Over- all Count Rank | Over- all Rate Ratio | Overall Severity Rate Ratio | |
|----------------------------------|--------------------|-------|--------------------|---------------|--------------|---------------|------------------|--------------|---------------|------------------------------|-------------------------------|-------------------------------|--------------------------------------|-----|
| | | | | Aid as %AF | Lost Days | | | | | | | | | |
| 3 Industries Ranked in sector. | 22,528 | 169 | \$6,672,948 | 43.6% | 47,642 | 1.5 | 1 | 423 | 0 | 0 | 1 | 2 | 4.4 | 4.3 |
| 2361 Resid. Bldg. Construction | 3,726 | 39 | \$489,254 | 75.4% | 4,214 | 2.1 | 1.4 | 226.2 | 1 | 2 | 6 | 2 | 6.1 | 2.3 |
| 2382 Bldg. Equip. Contractors | 5,521 | 55 | \$1,900,976 | 42.0% | 13,180 | 2 | 1.3 | 477.4 | 3 | 1 | 8 | 1 | 5.8 | 4.8 |
| 2383 Bldg. Finishing Contractors | 3,219 | 28 | \$774,748 | 47.4% | 7,879 | 1.7 | 1.2 | 489.6 | 4 | 3 | 12 | 3 | 5.1 | 4.9 |

Rate: Incidence rate per 10,000 FTEs

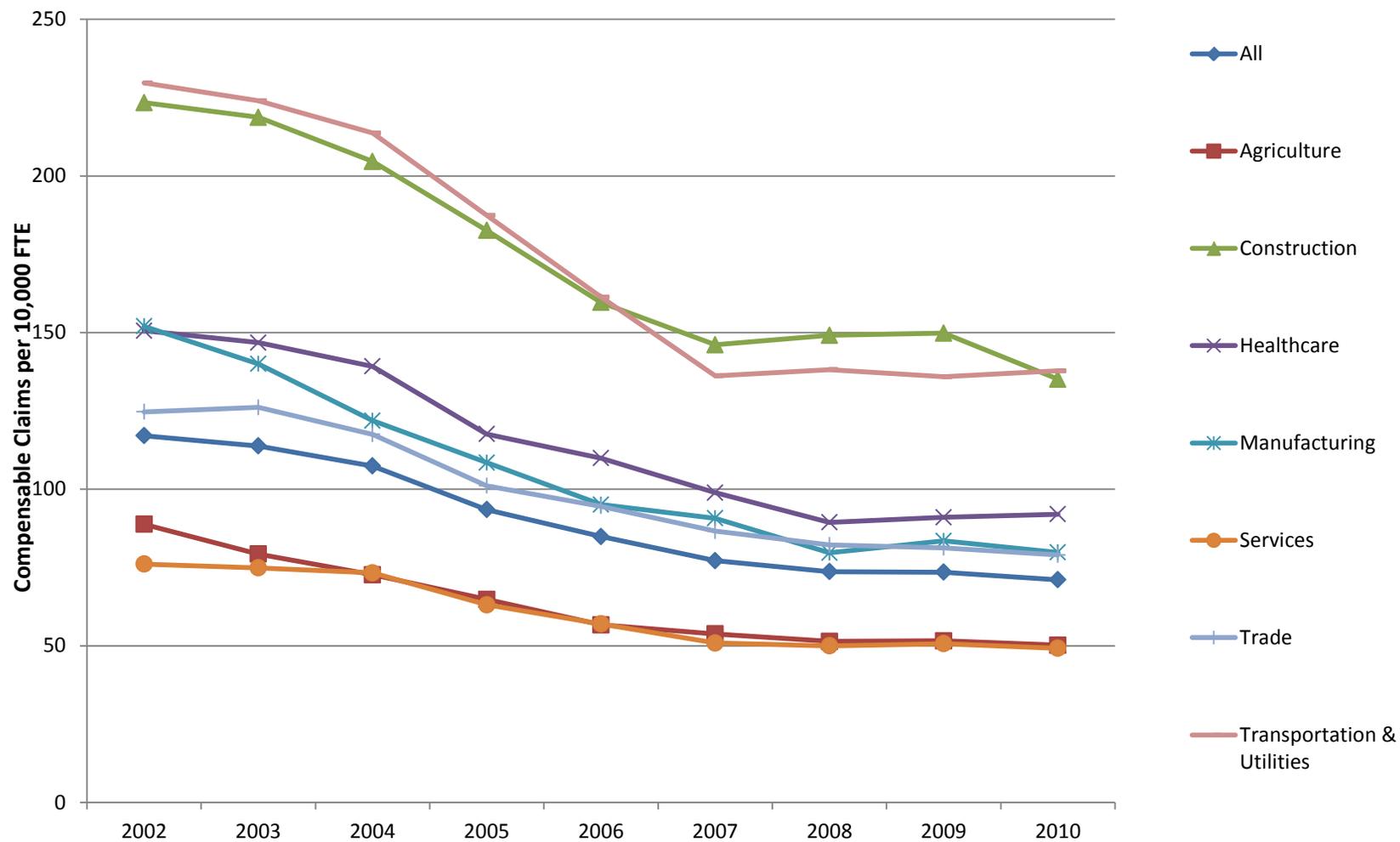
Severity rate: time loss days per 10,000 FTEs

Prevention Index:(rate rank + count rank)/2

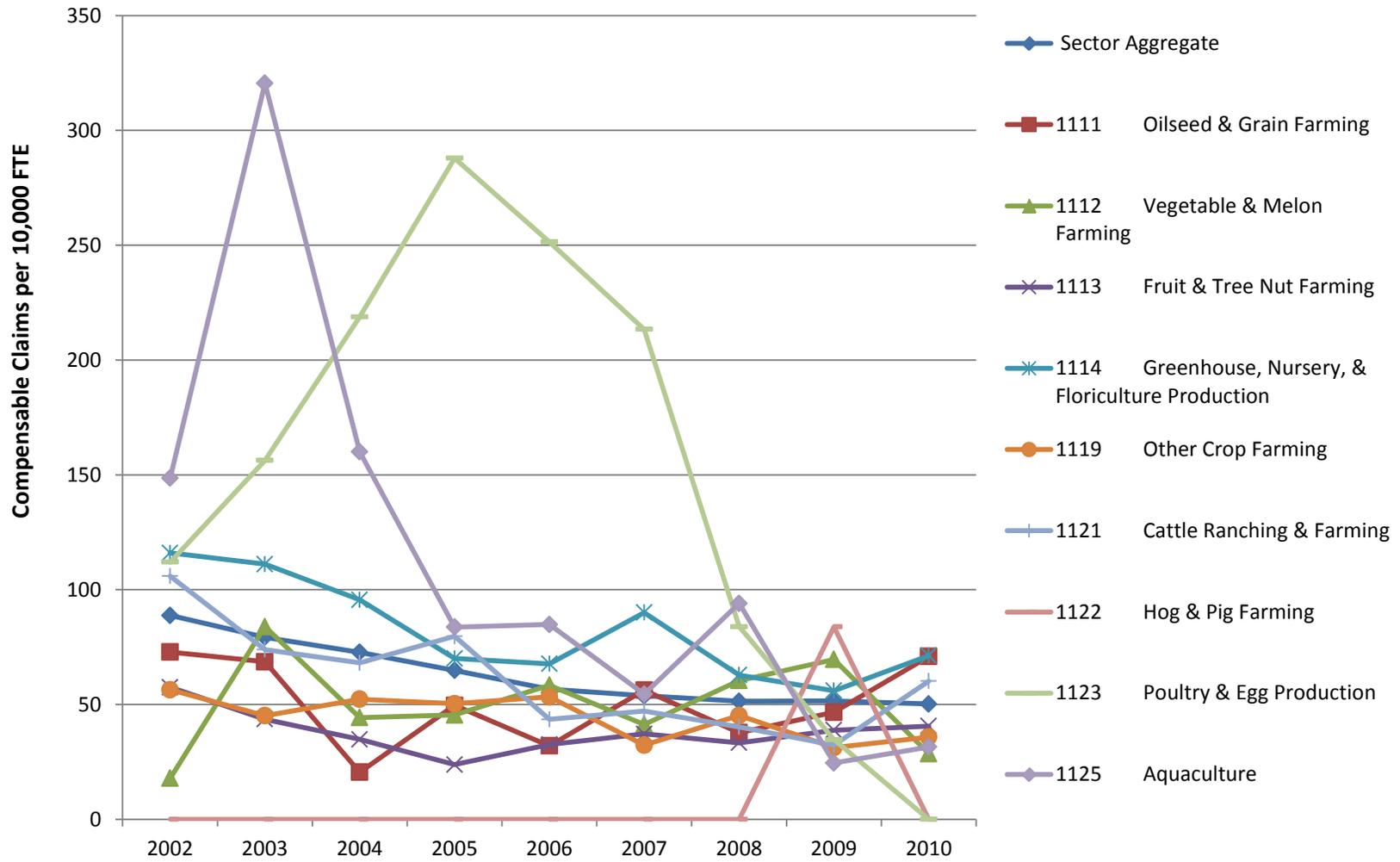
Indemnity: non-medical direct costs

SF Medical Aid as % AF: Indemnity costs typically account for 2/3 of total costs. Self Insureds do not report medical cost. We provide State Fund percentages as a potential of medical costs for Self Insureds

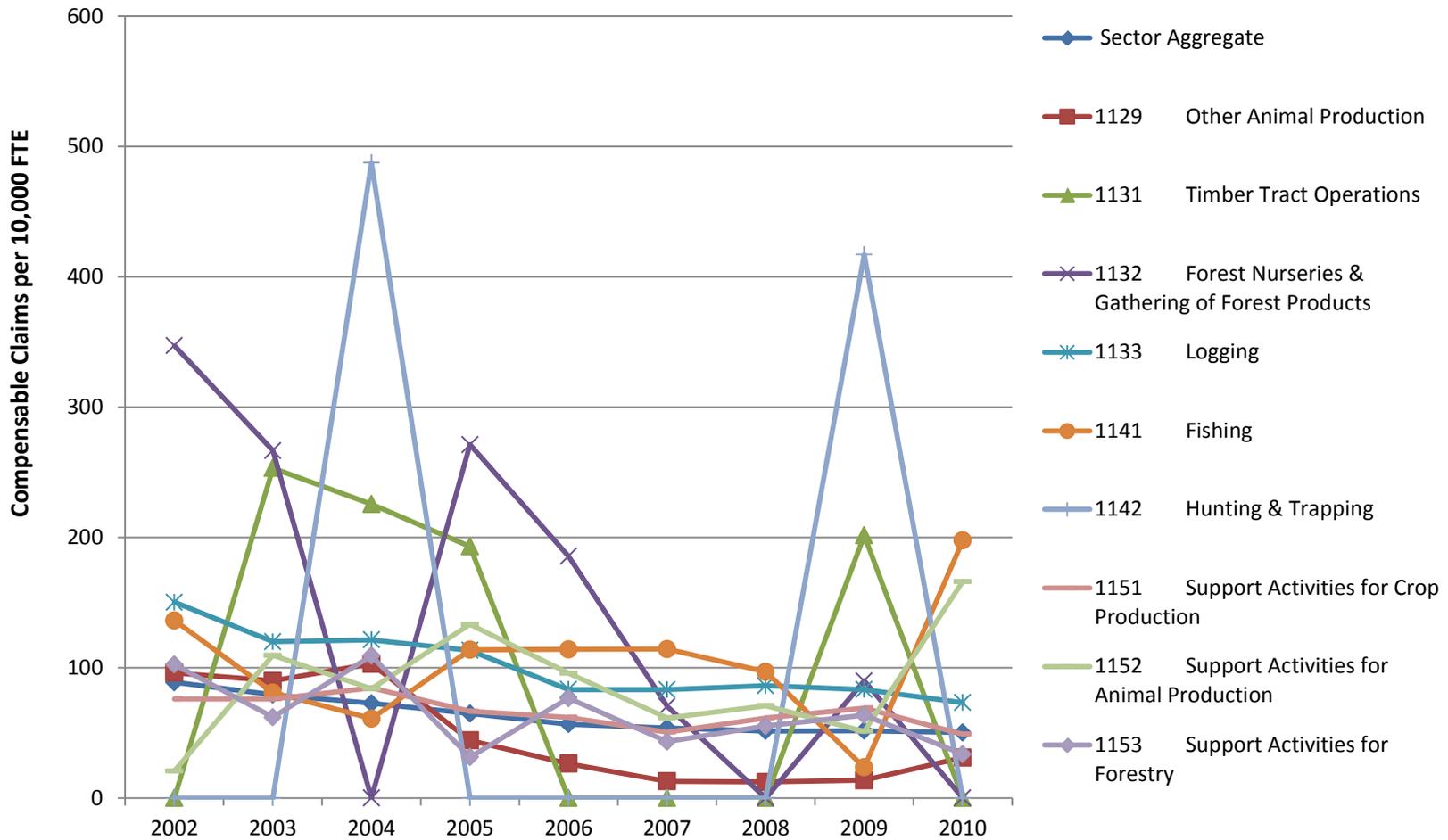
Figure 1. Washington State Compensable WMSD Claims Rates, 2002-2010.



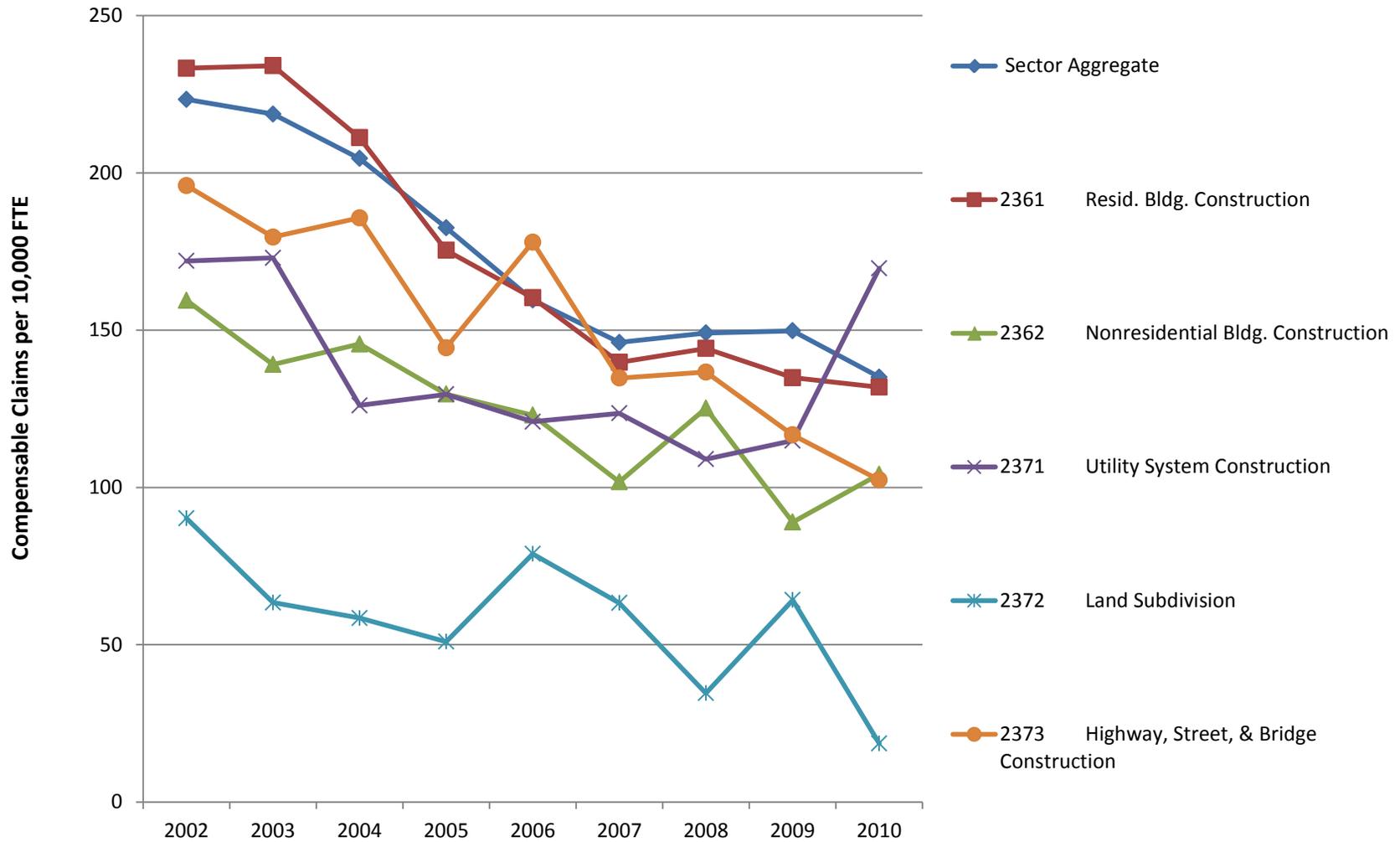
**Figure 1. Agriculture: Washington State Compensable WMSD Claims Rates, 2002-2010.
(1-9)**



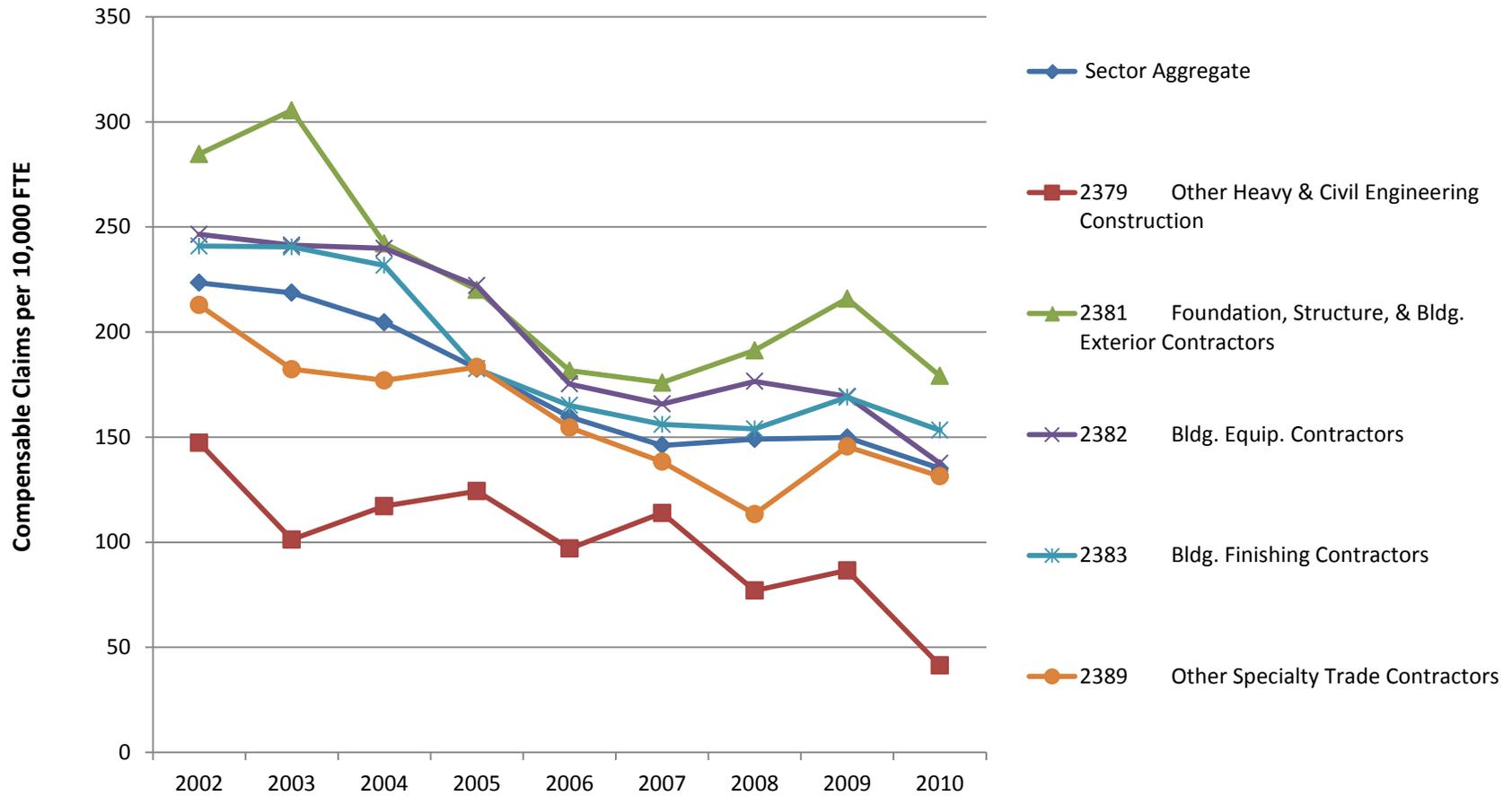
**Figure 1. Agriculture: Washington State Compensable WMSD Claims Rates, 2002-2010.
(10-18)**



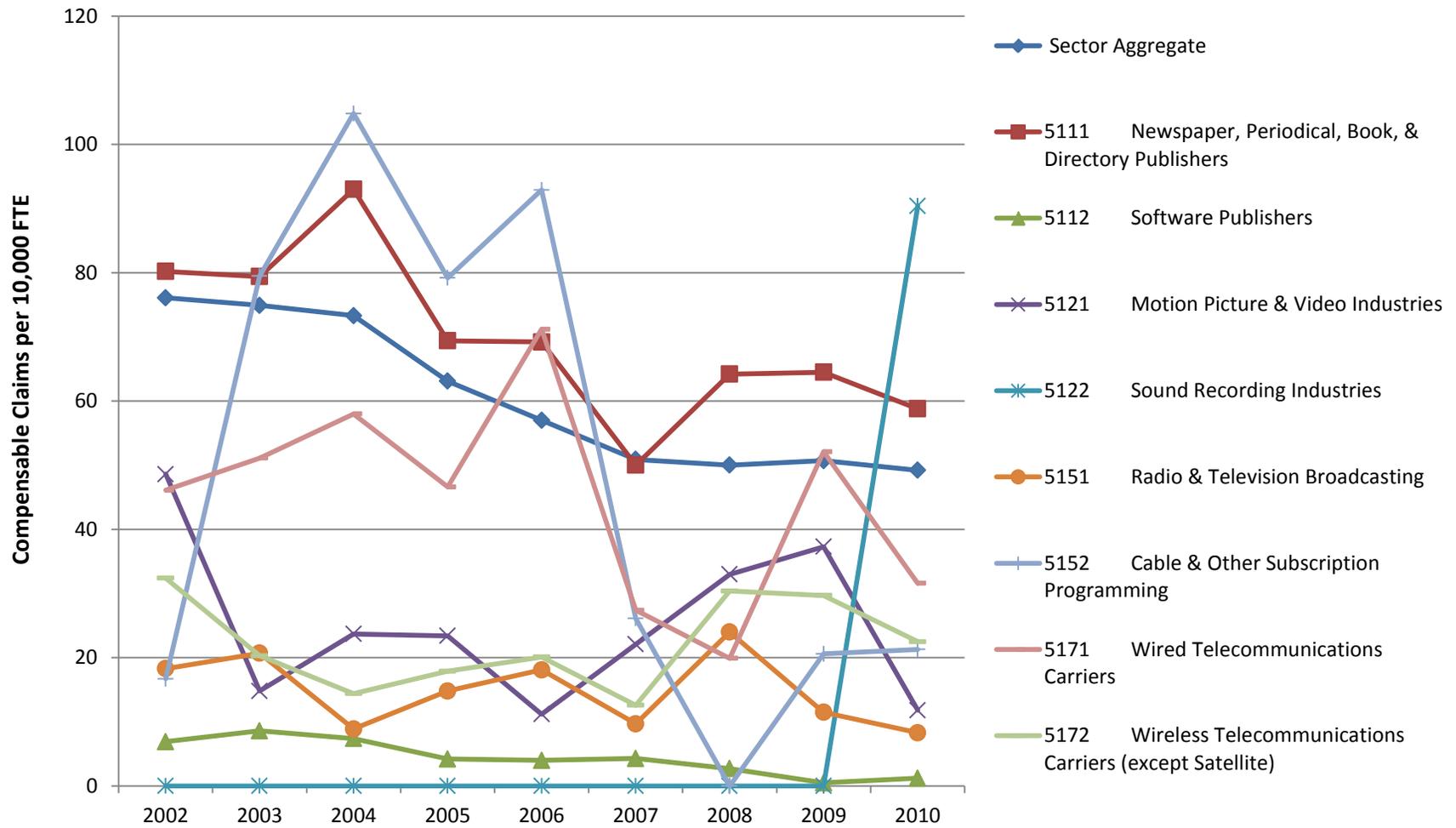
**Figure 1. Construction: Washington State Compensable WMSD Claims Rates, 2002-2010.
(1-5)**



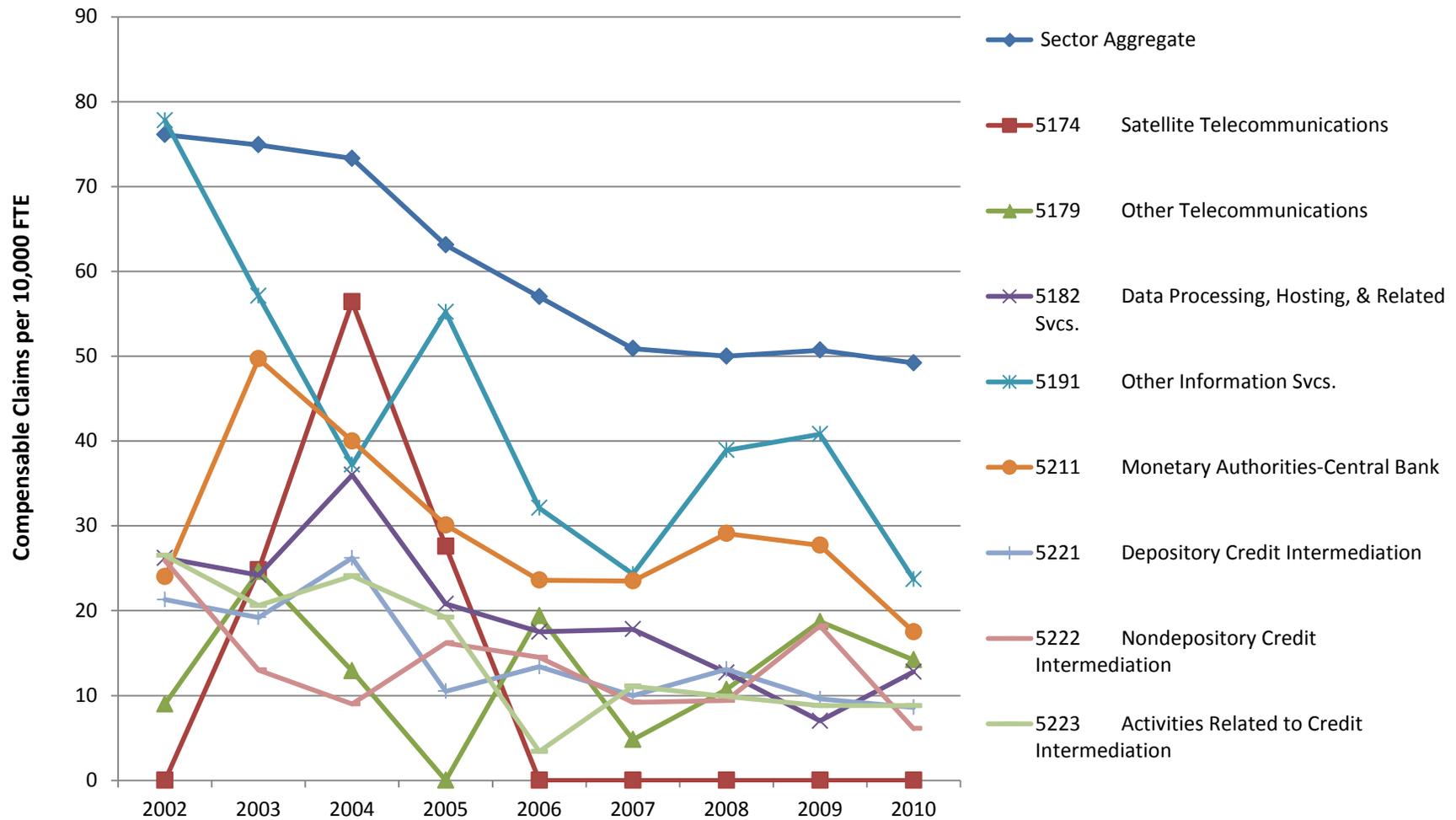
**Figure 1. Construction: Washington State Compensable WMSD Claims Rates, 2002-2010
(6-10)**



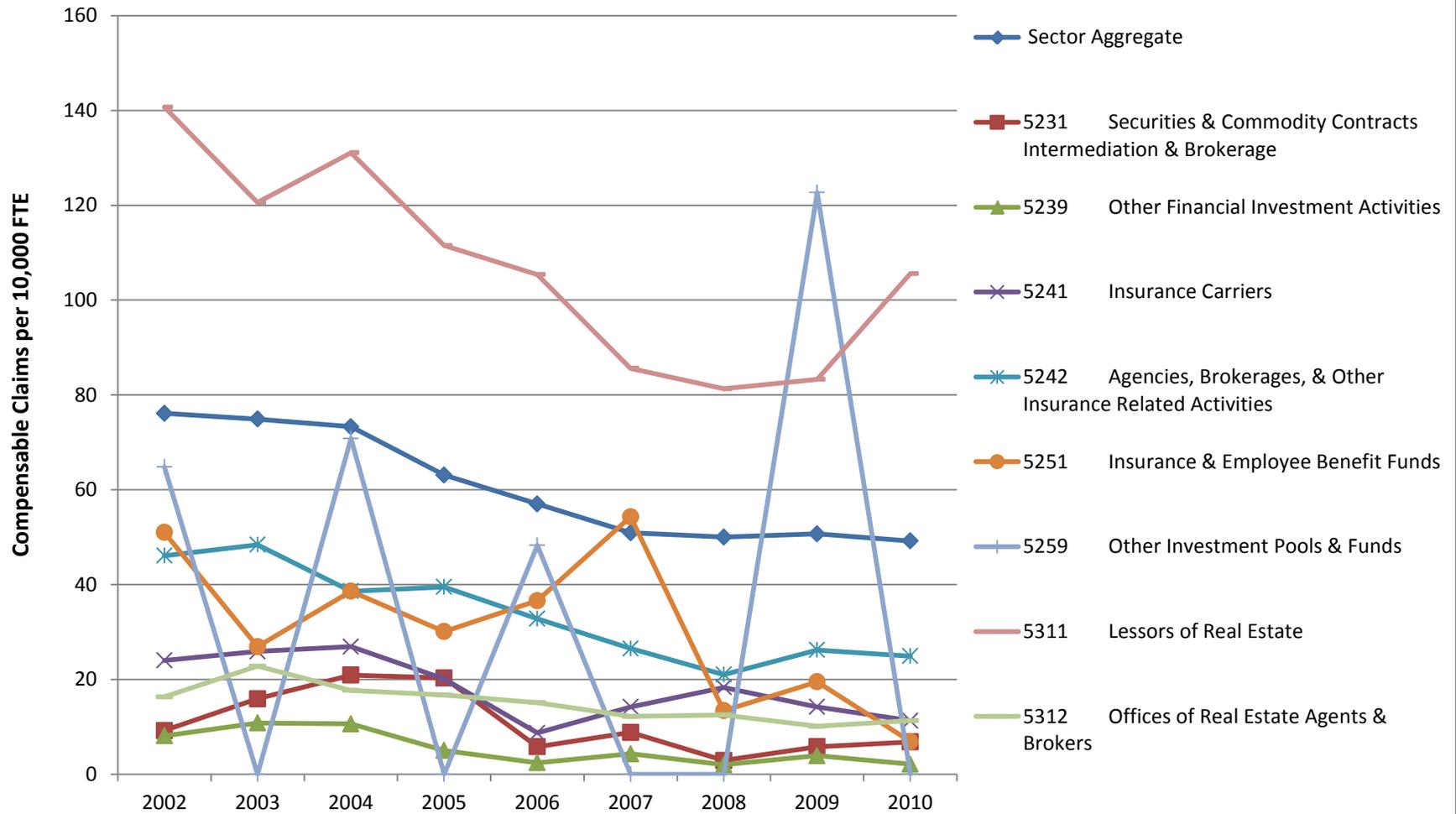
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(1-8)**



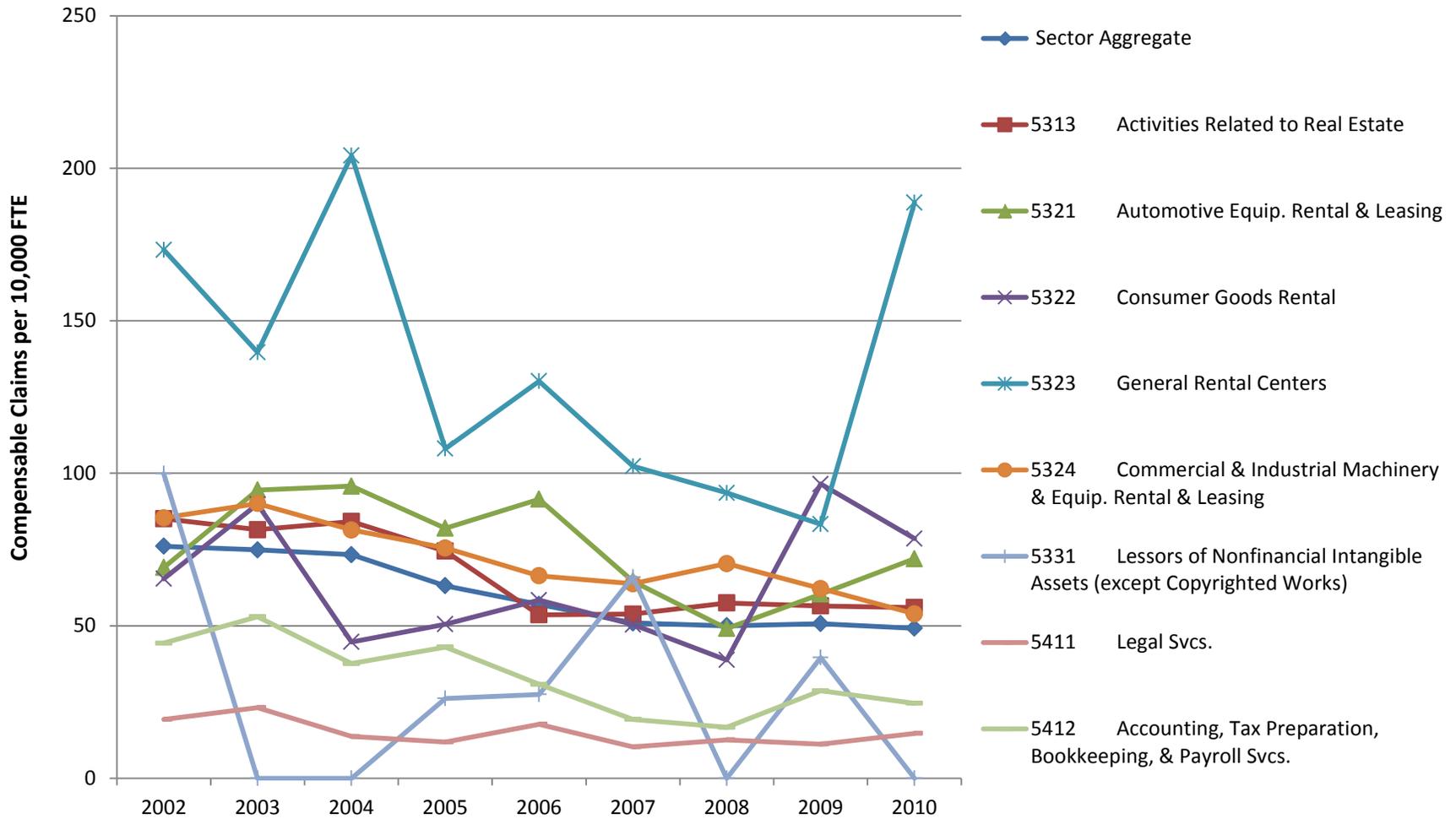
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(9-16)**



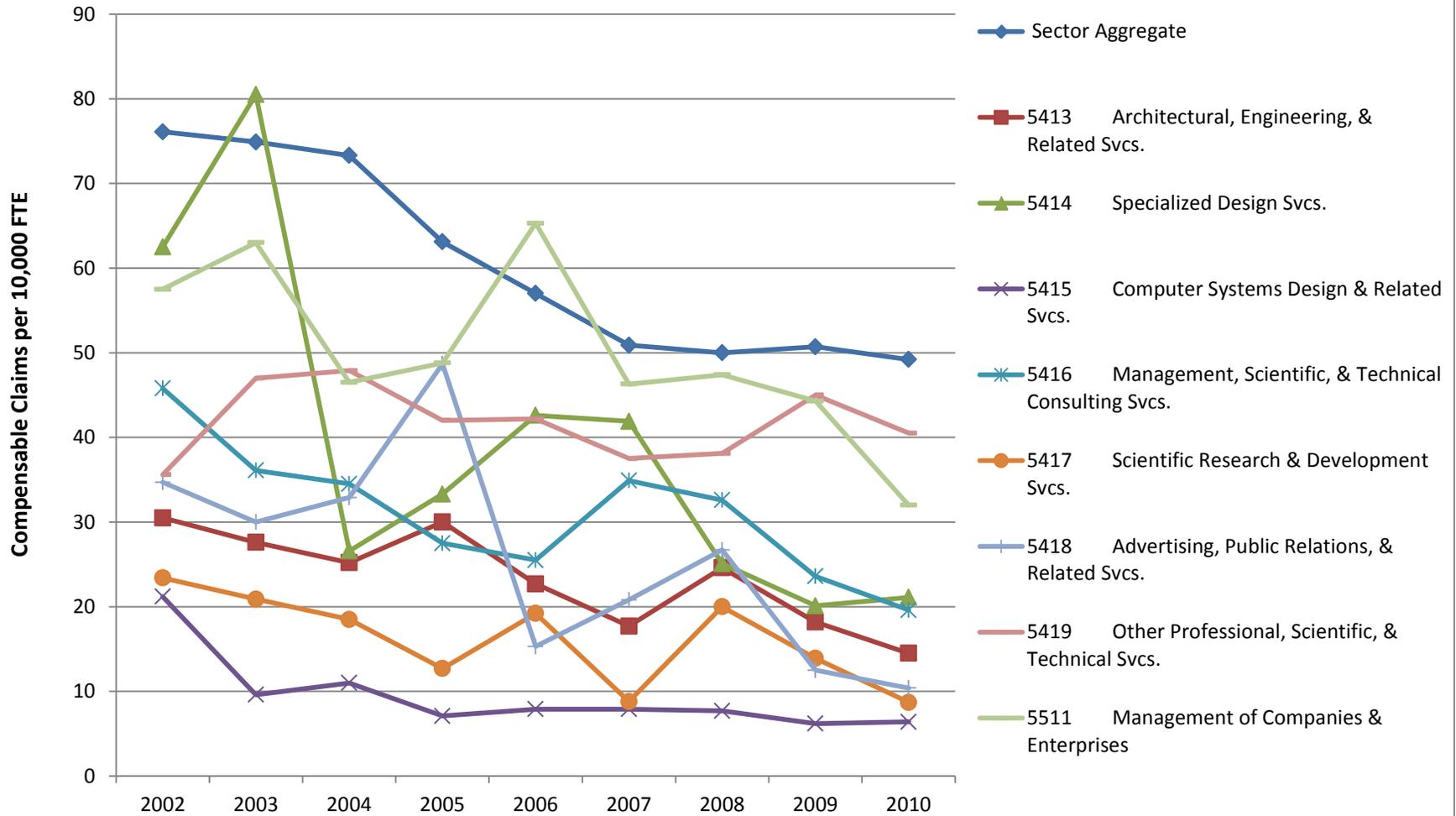
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(17-24)**



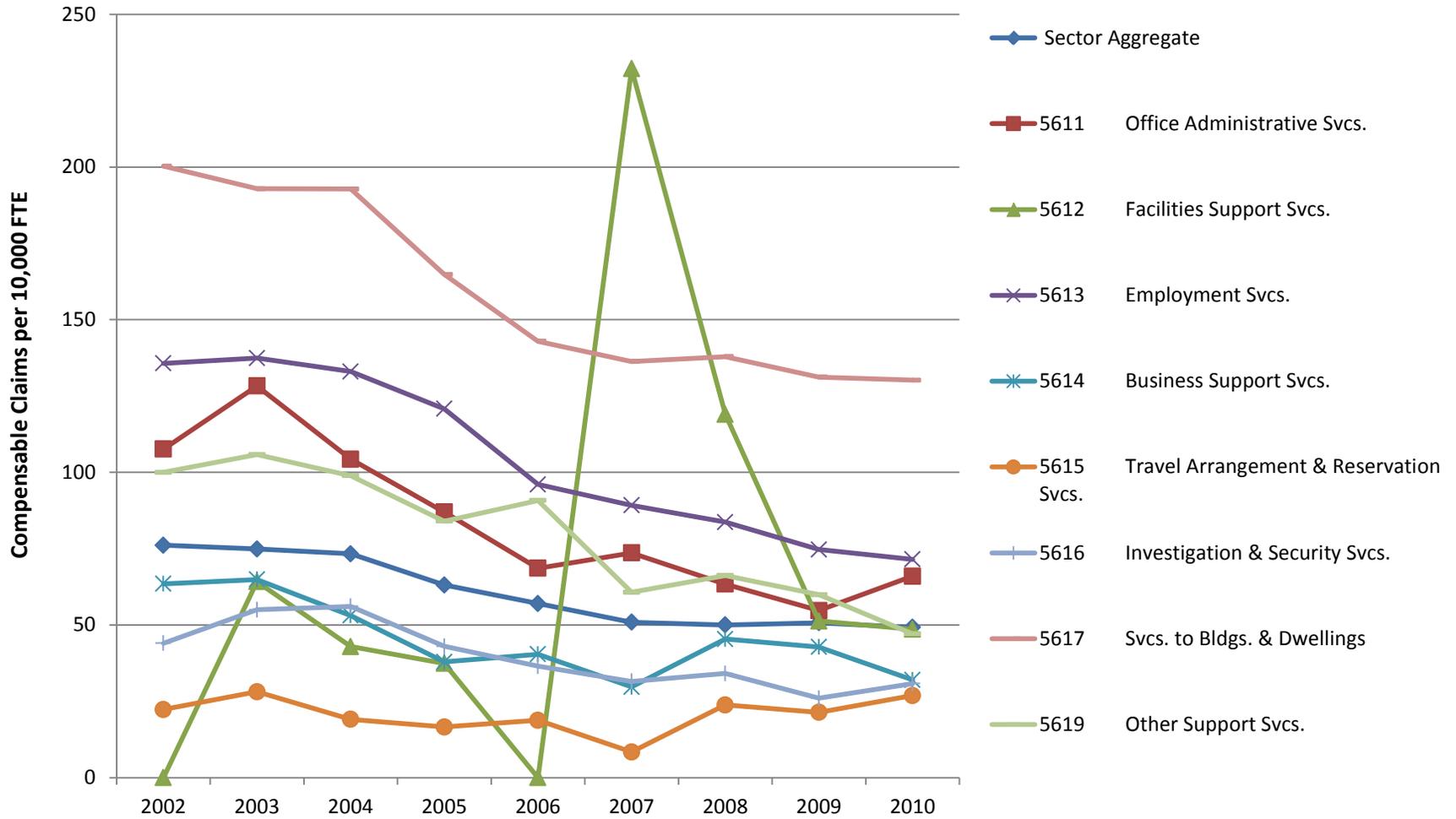
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(25-32)**



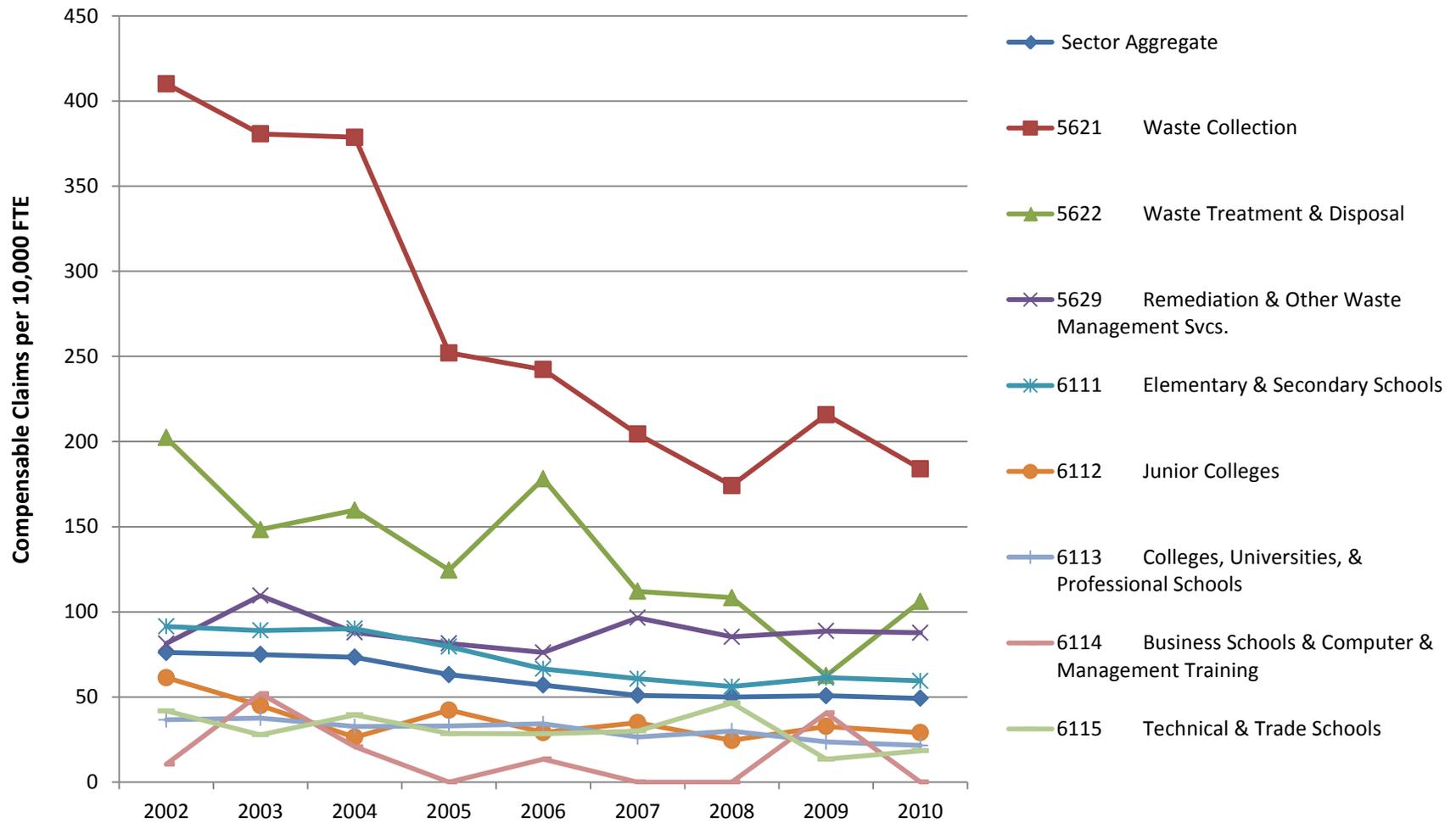
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(33-40)**



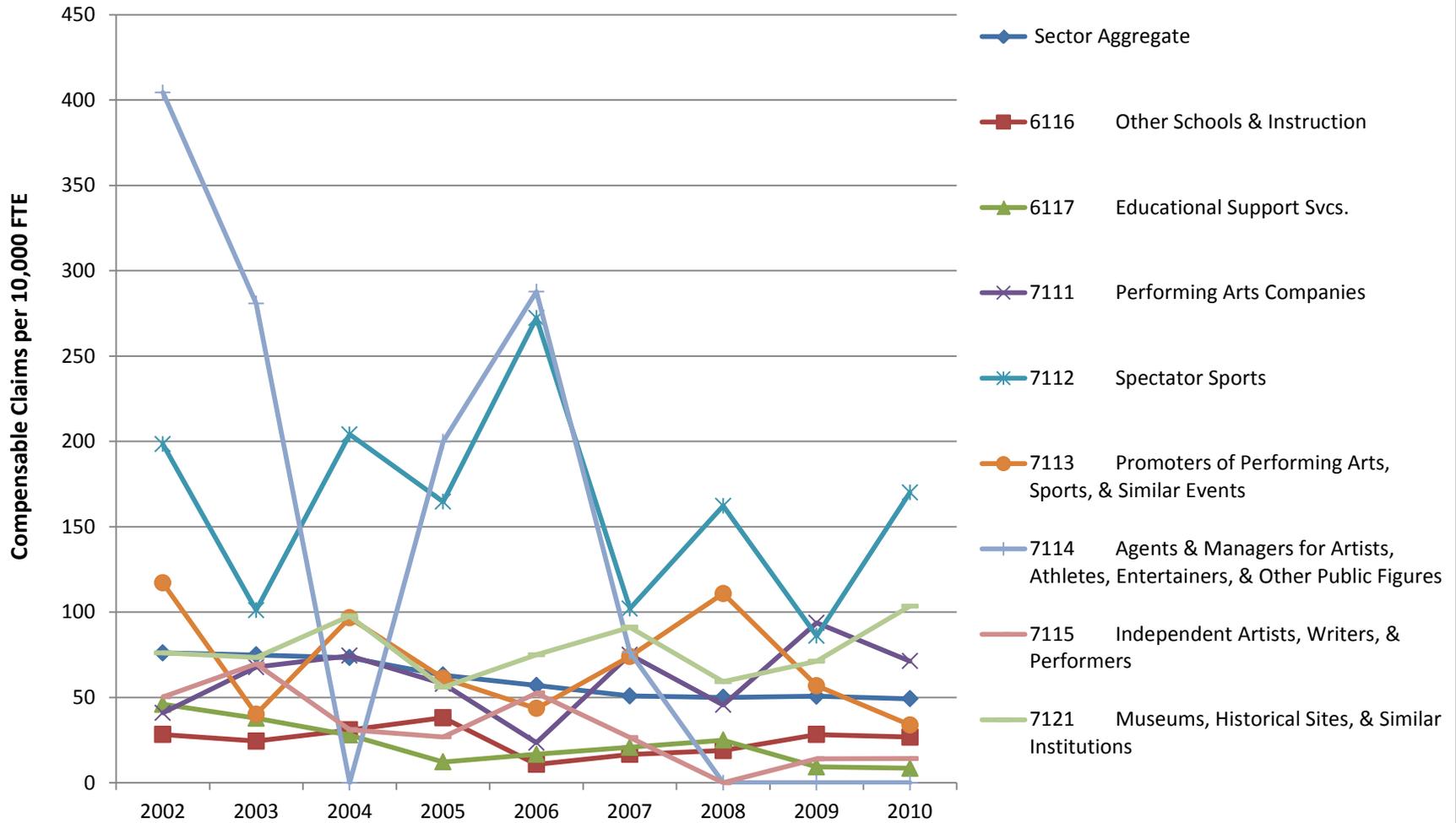
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(41-48)**



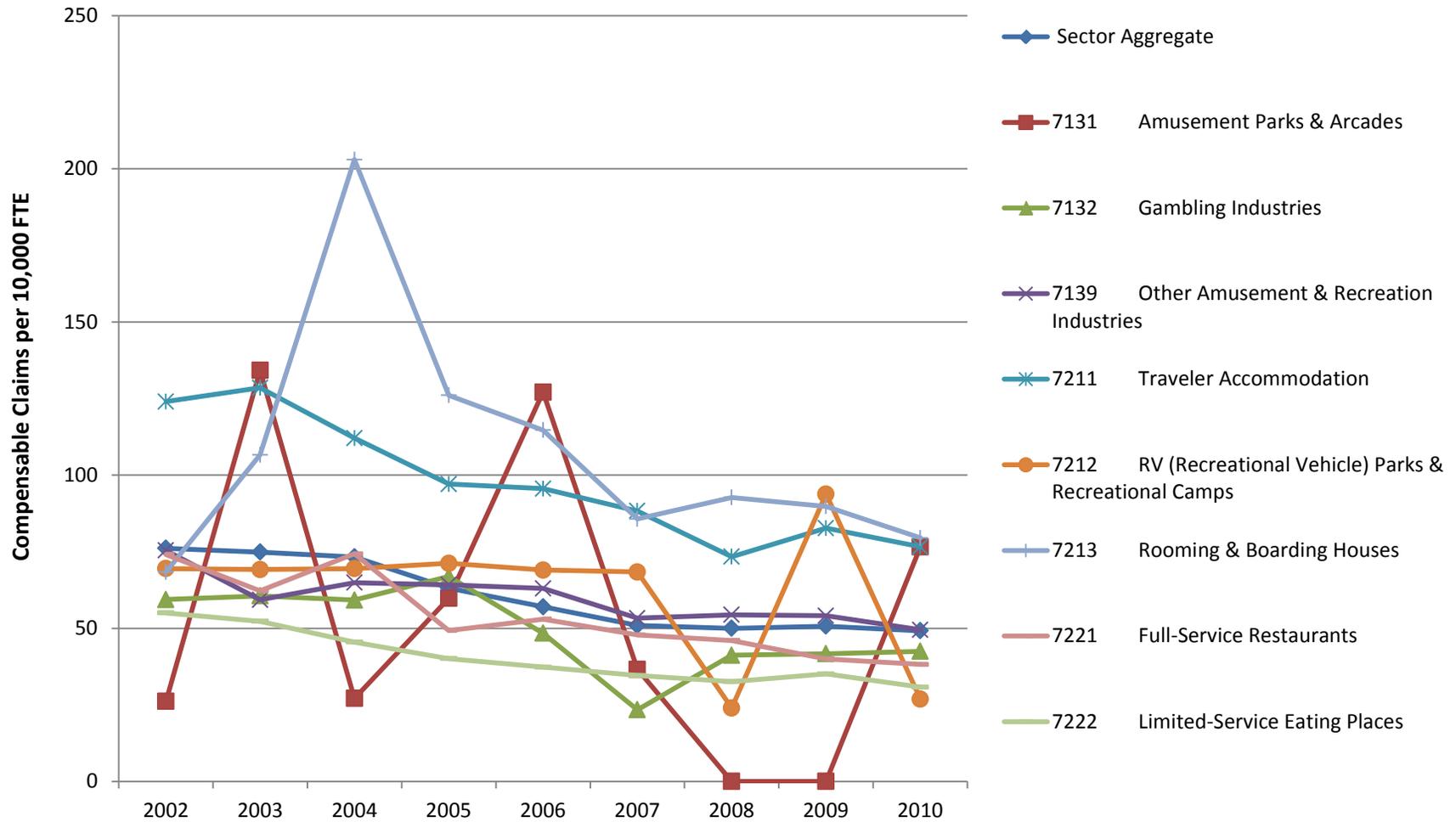
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(49-56)**



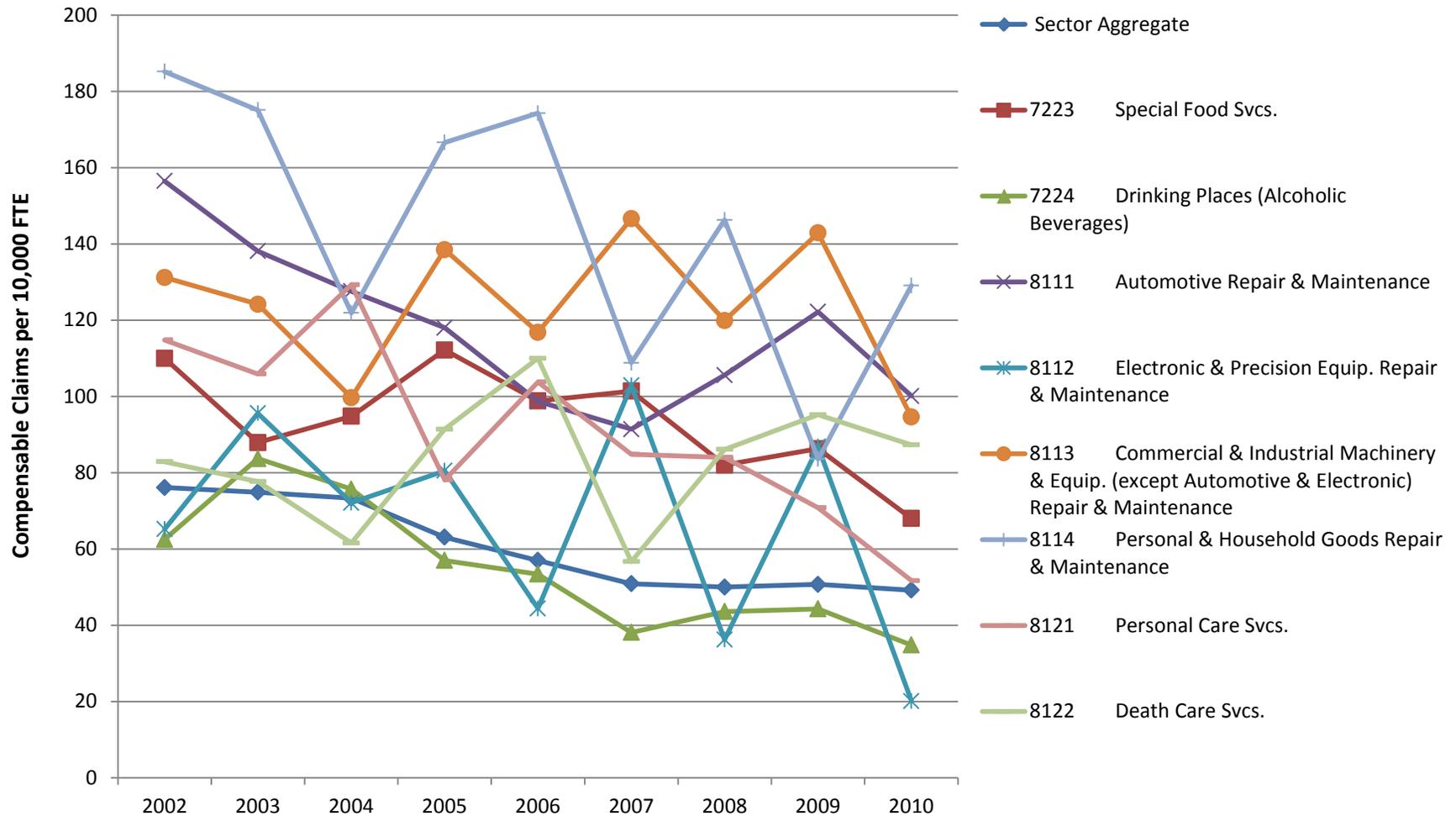
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(57-64)**



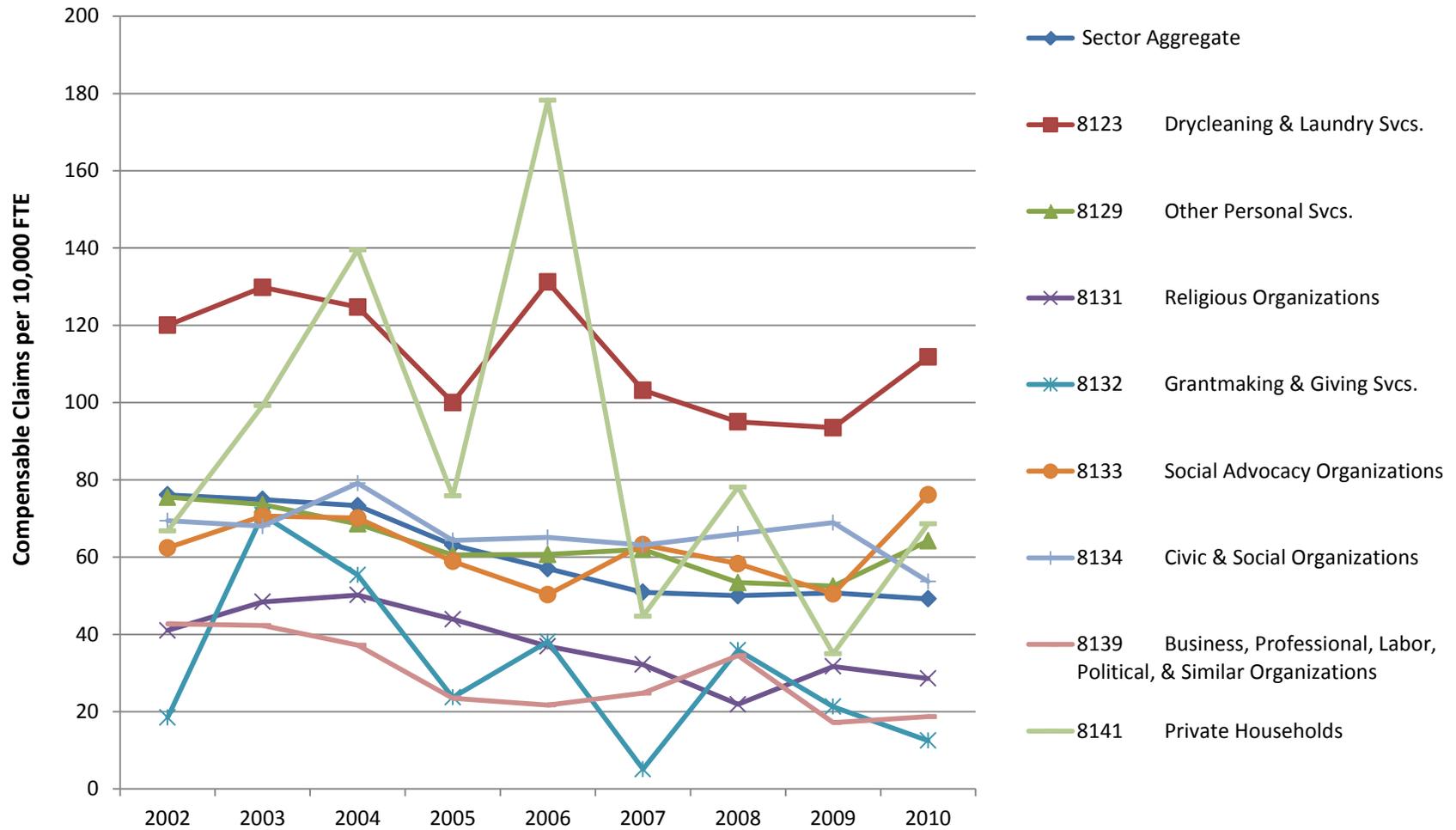
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(65-72)**



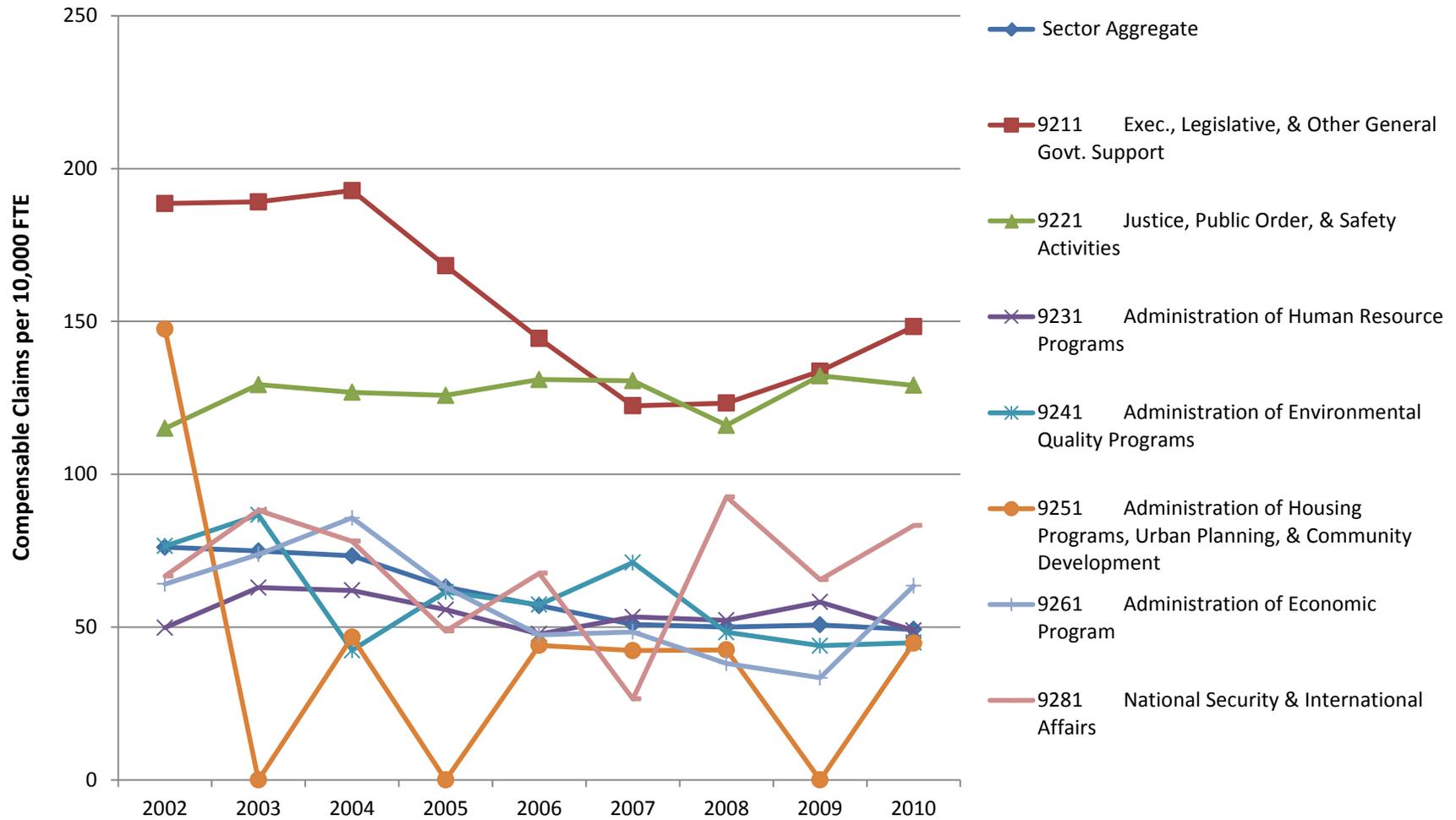
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(73-80)**



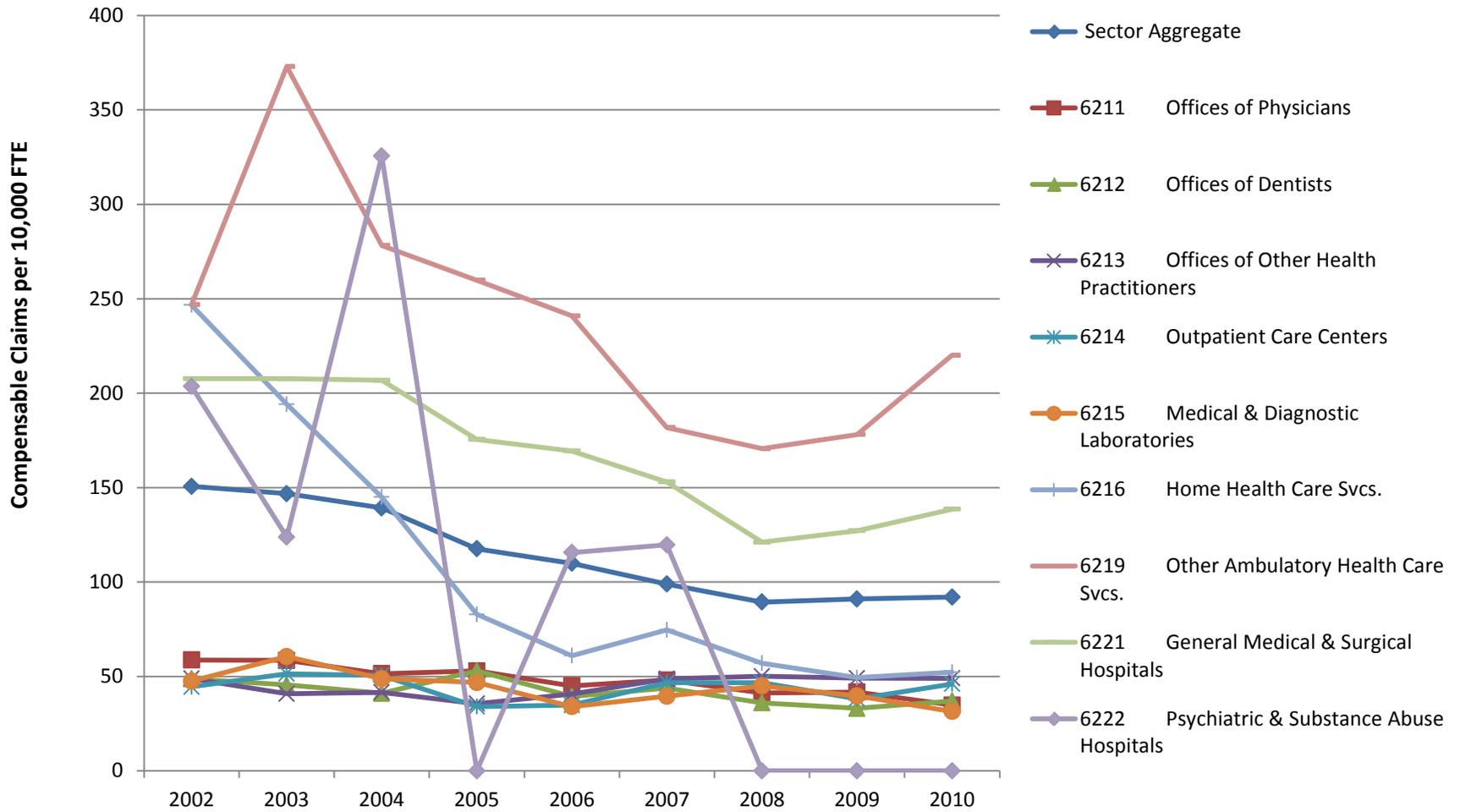
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(81-88)**



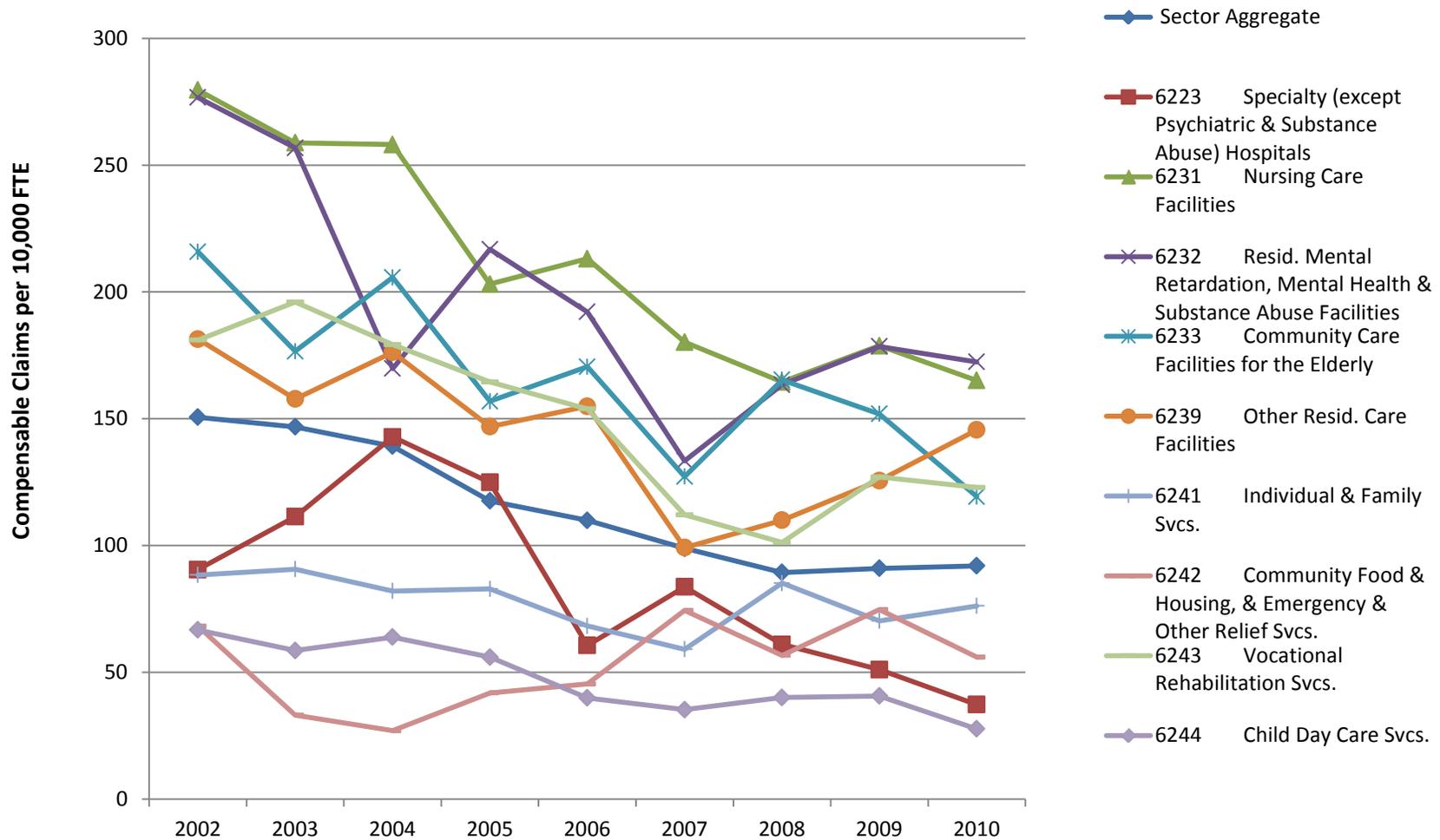
**Figure 1. Services: Washington State Compensable WMSD Claims Rates, 2002-2010.
(89-95)**



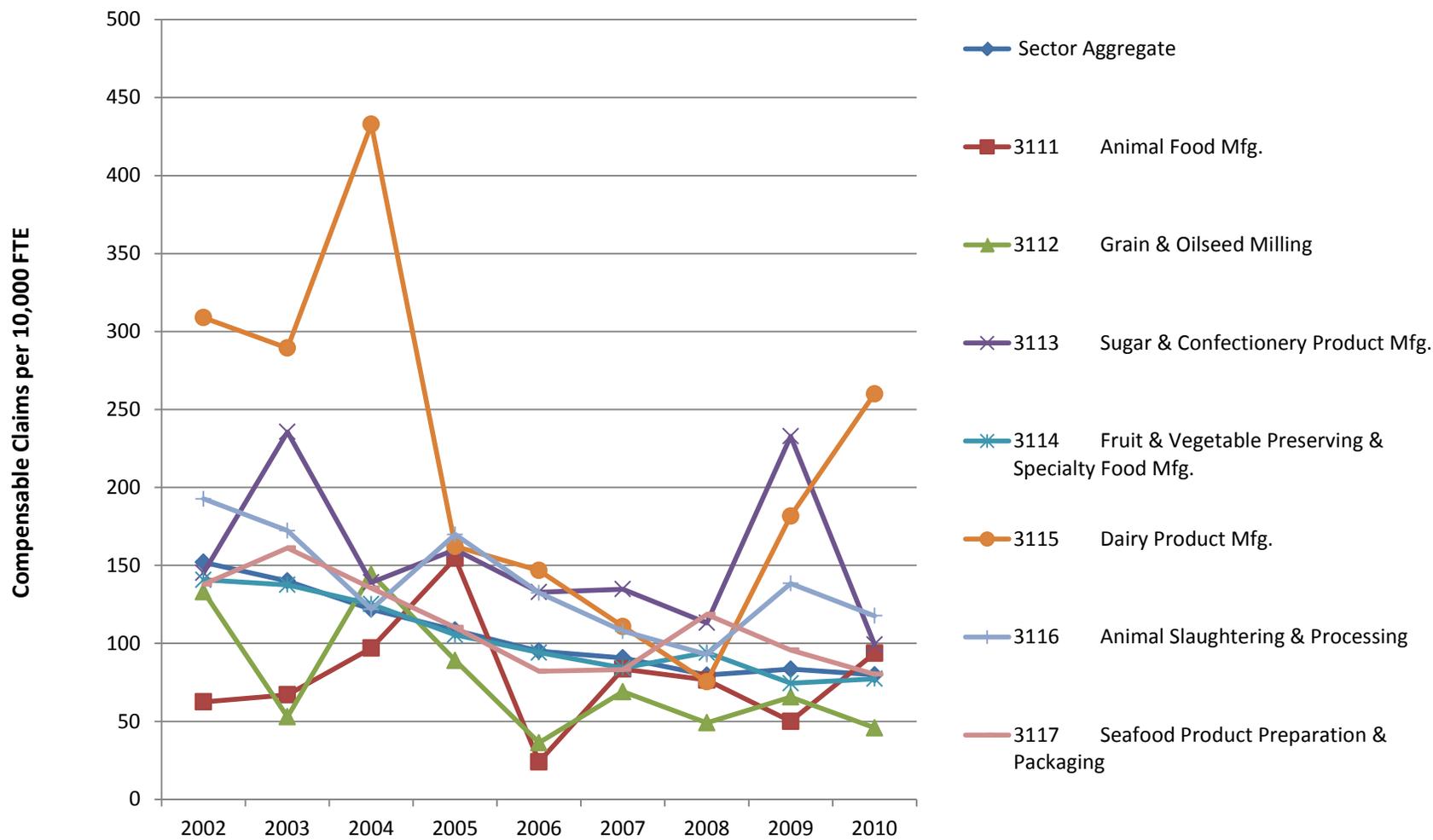
**Figure 1. Healthcare: Washington State Compensable WMSD Claims Rates, 2002-2010.
(1-9)**



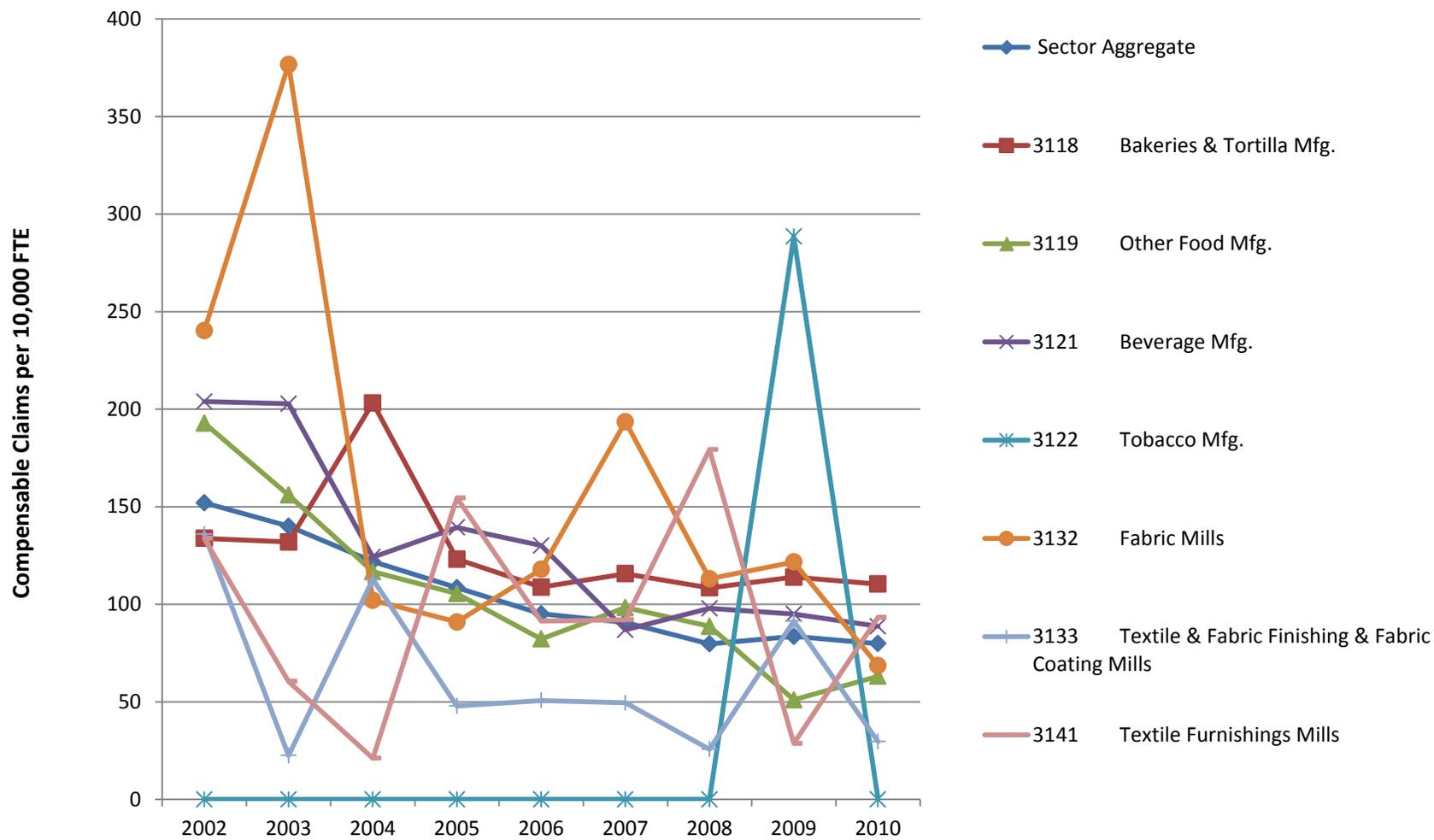
**Figure 1. Healthcare: Washington State Compensable WMSD Claims Rates, 2002-2010.
(10-18)**



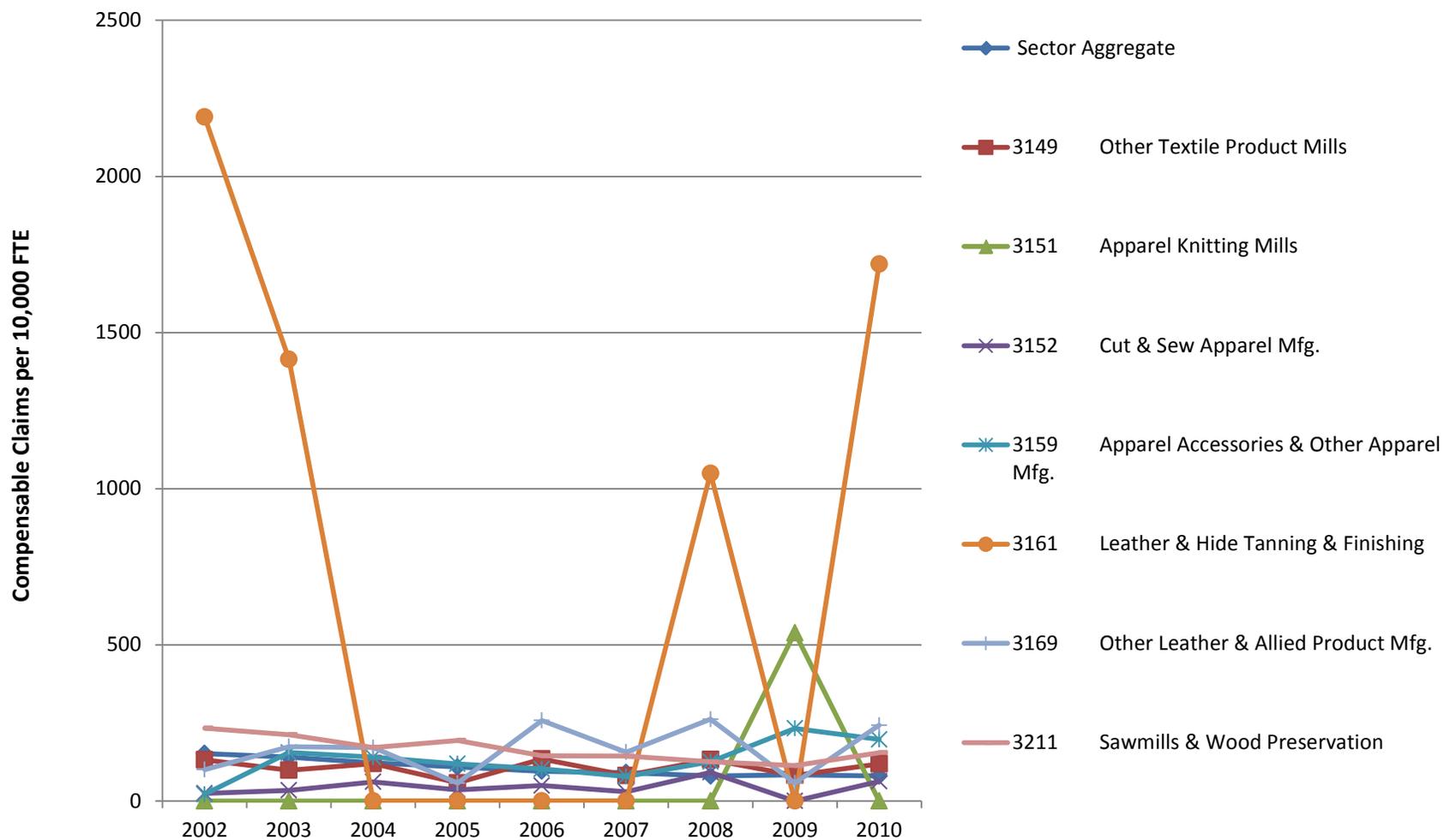
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(1-7)**



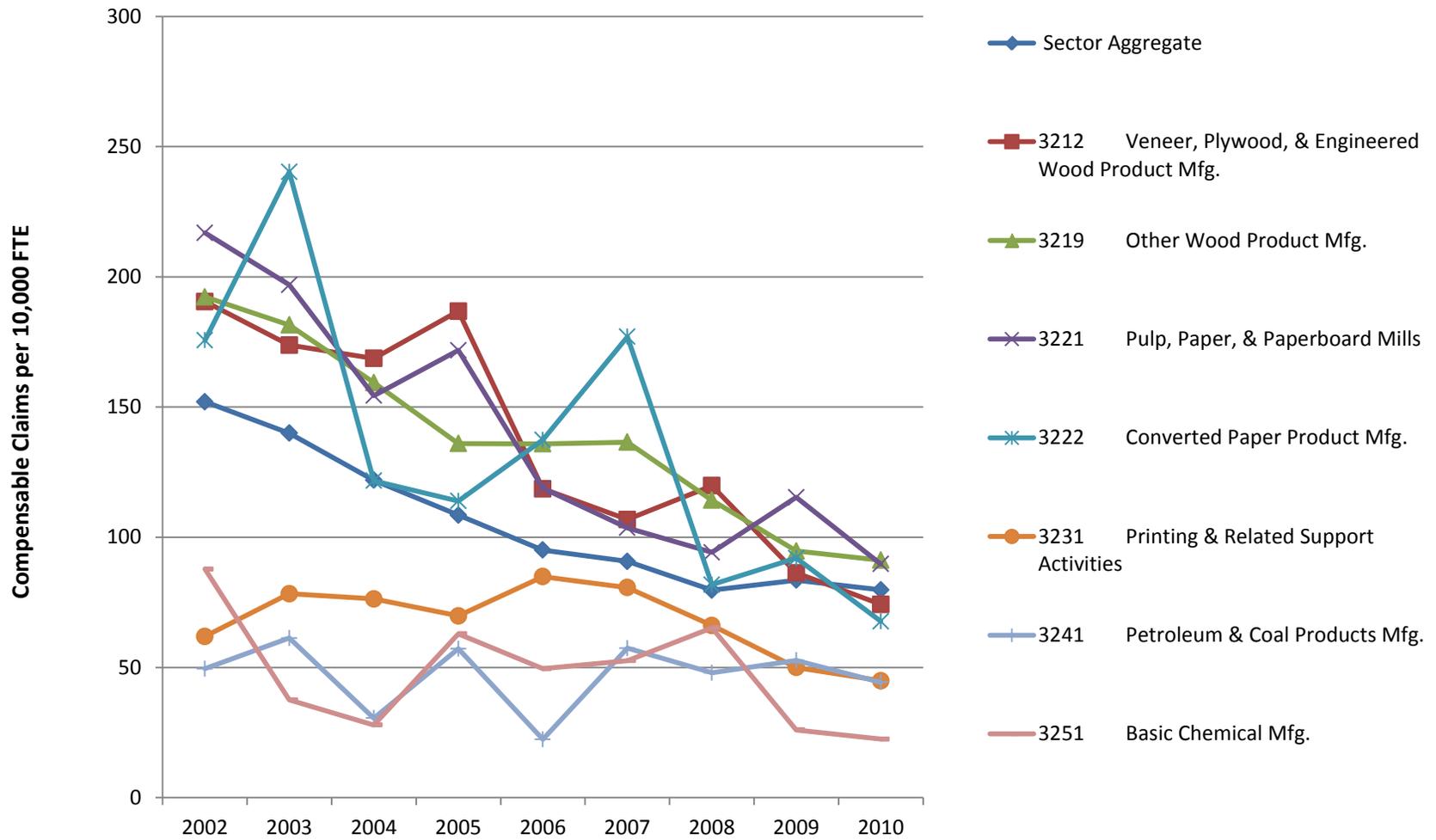
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(8-14)**



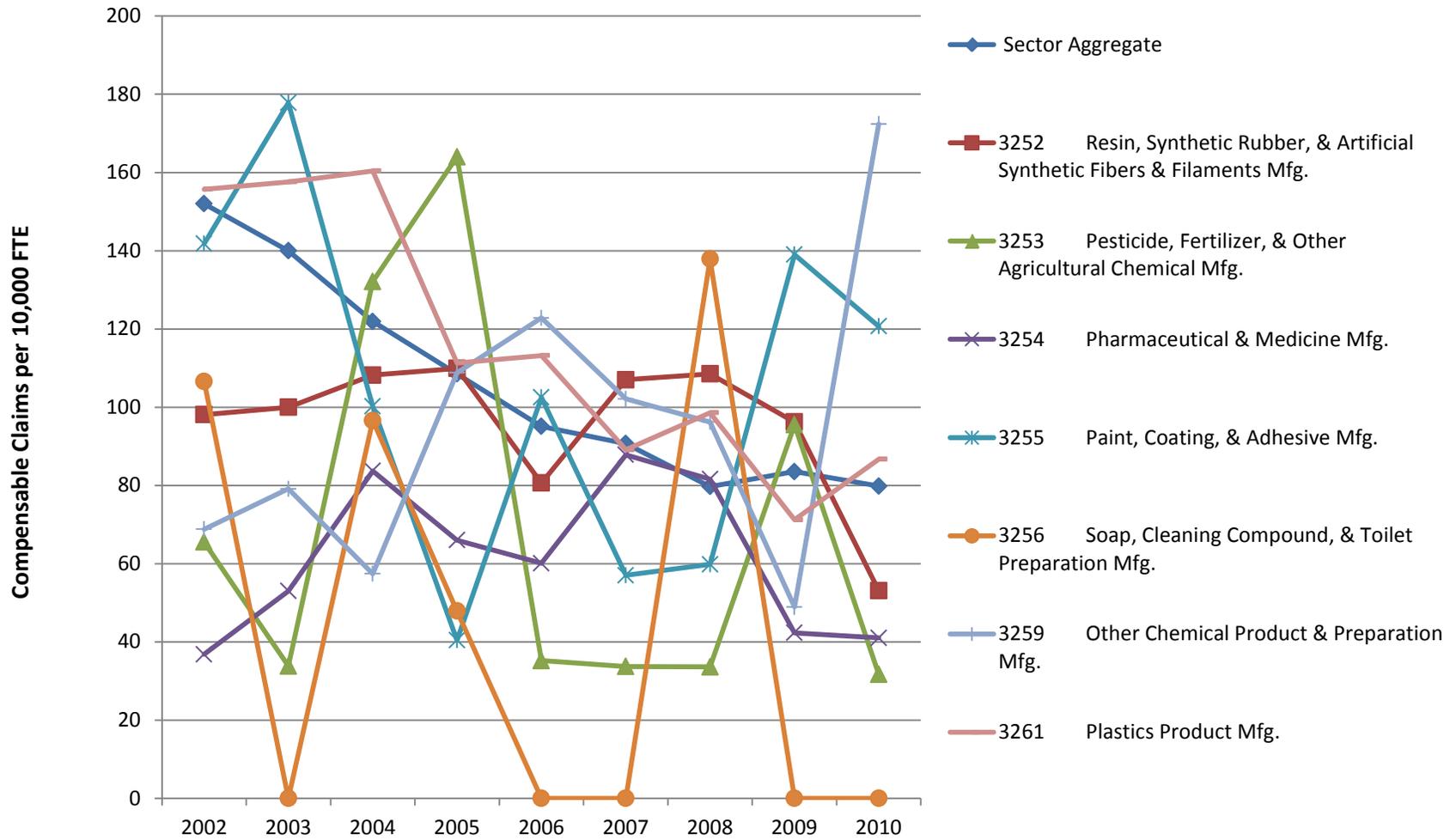
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(15-21)**



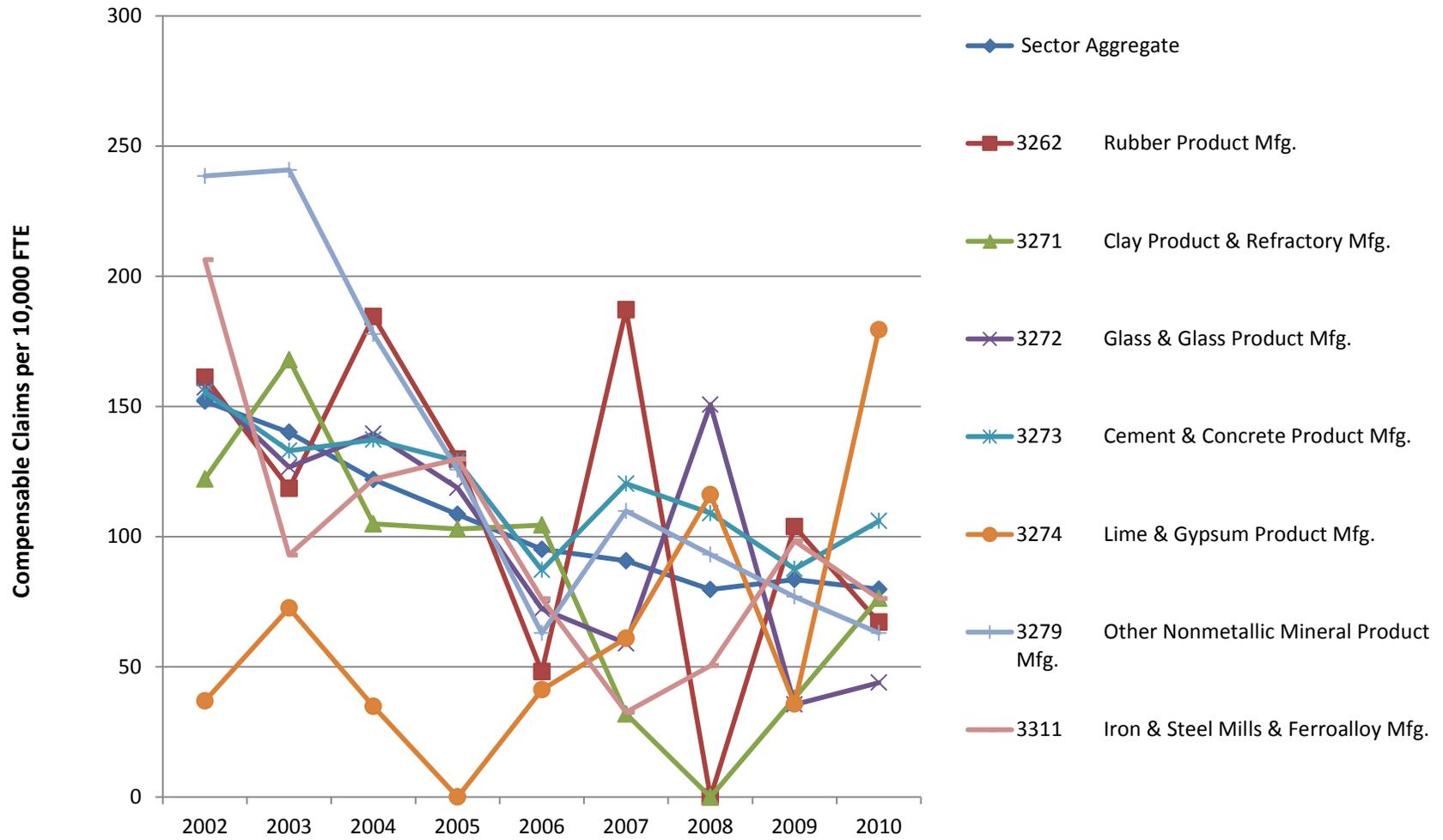
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(22-28)**



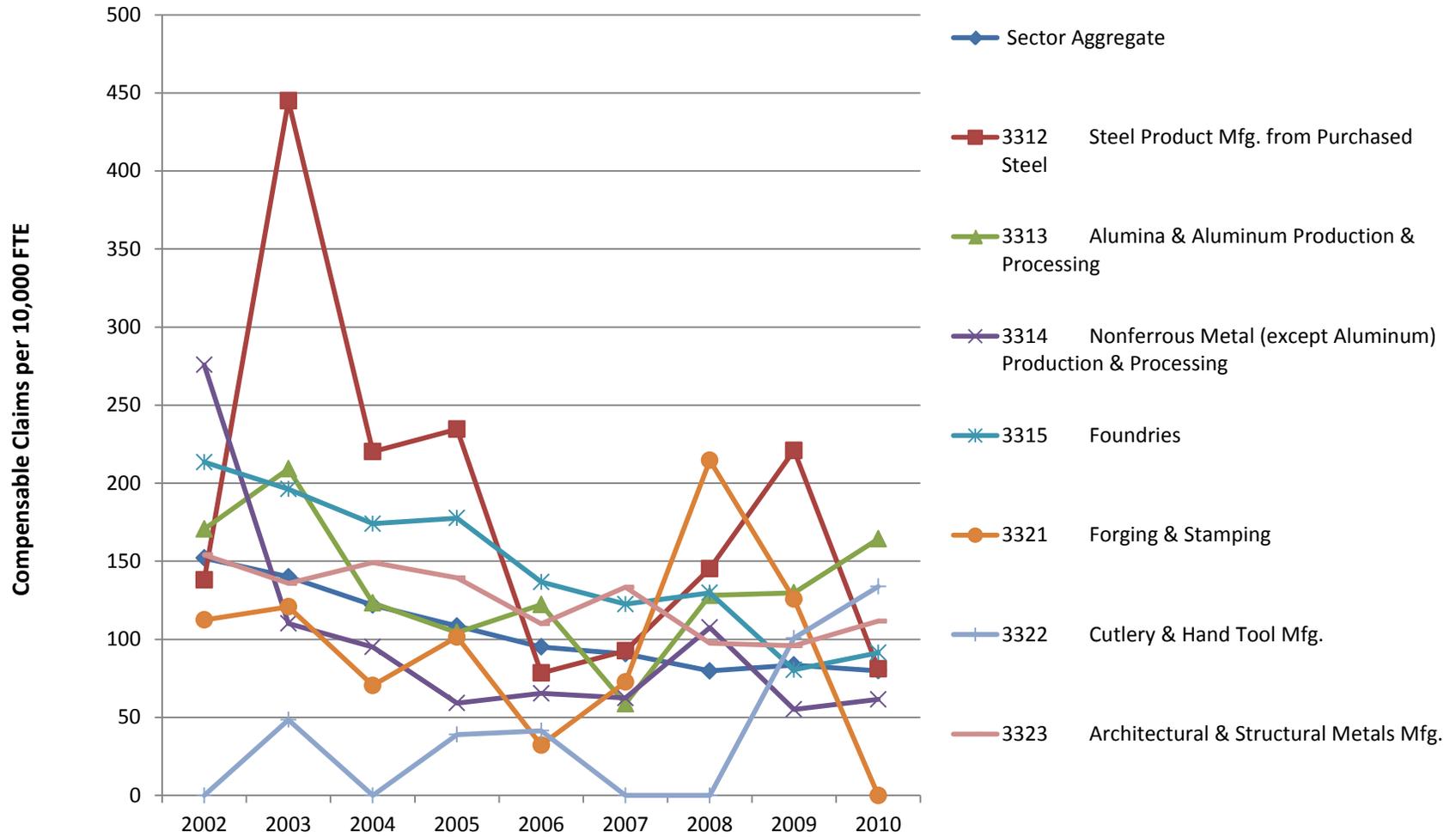
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(29-35)**



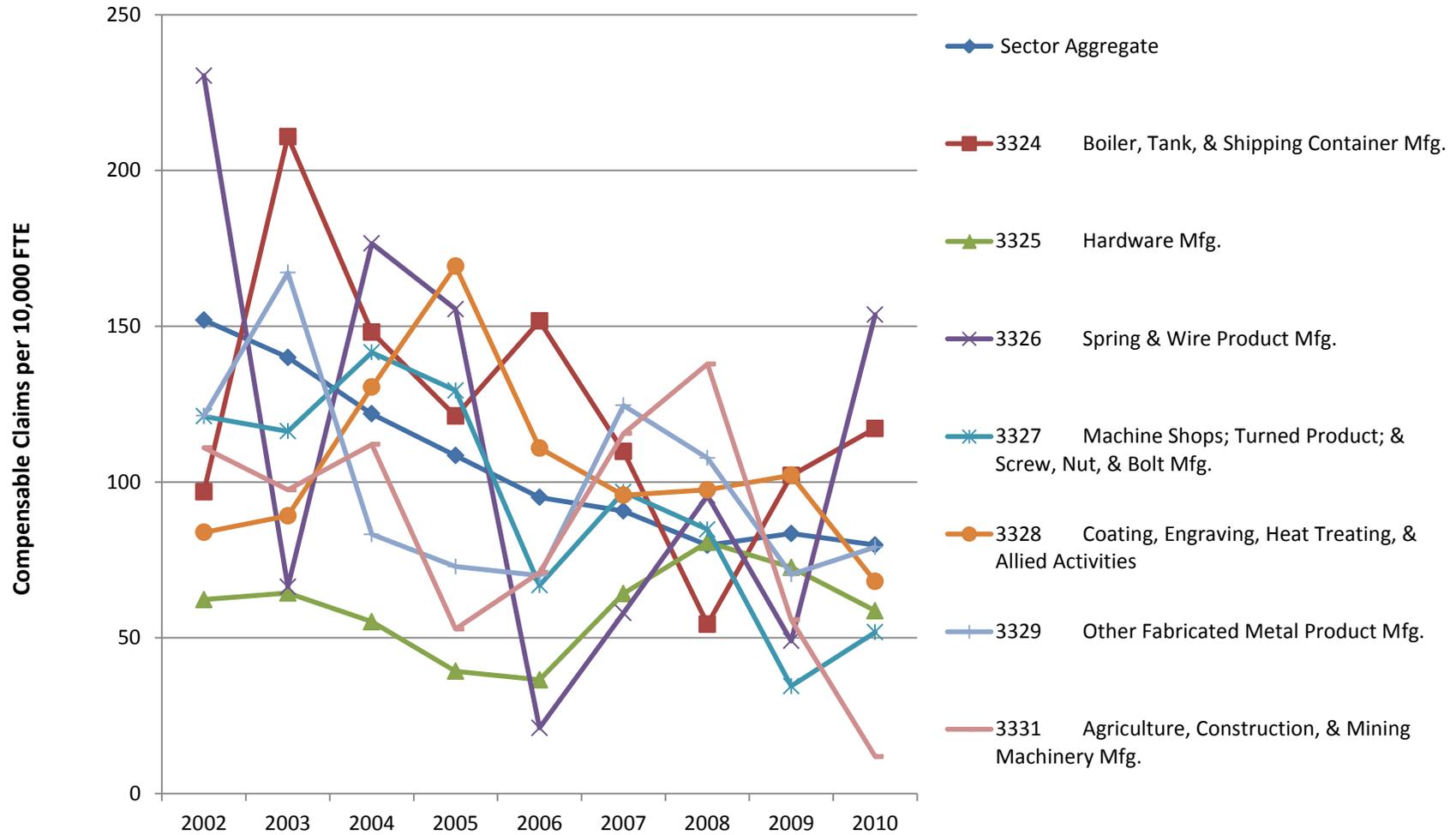
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(36-42)**



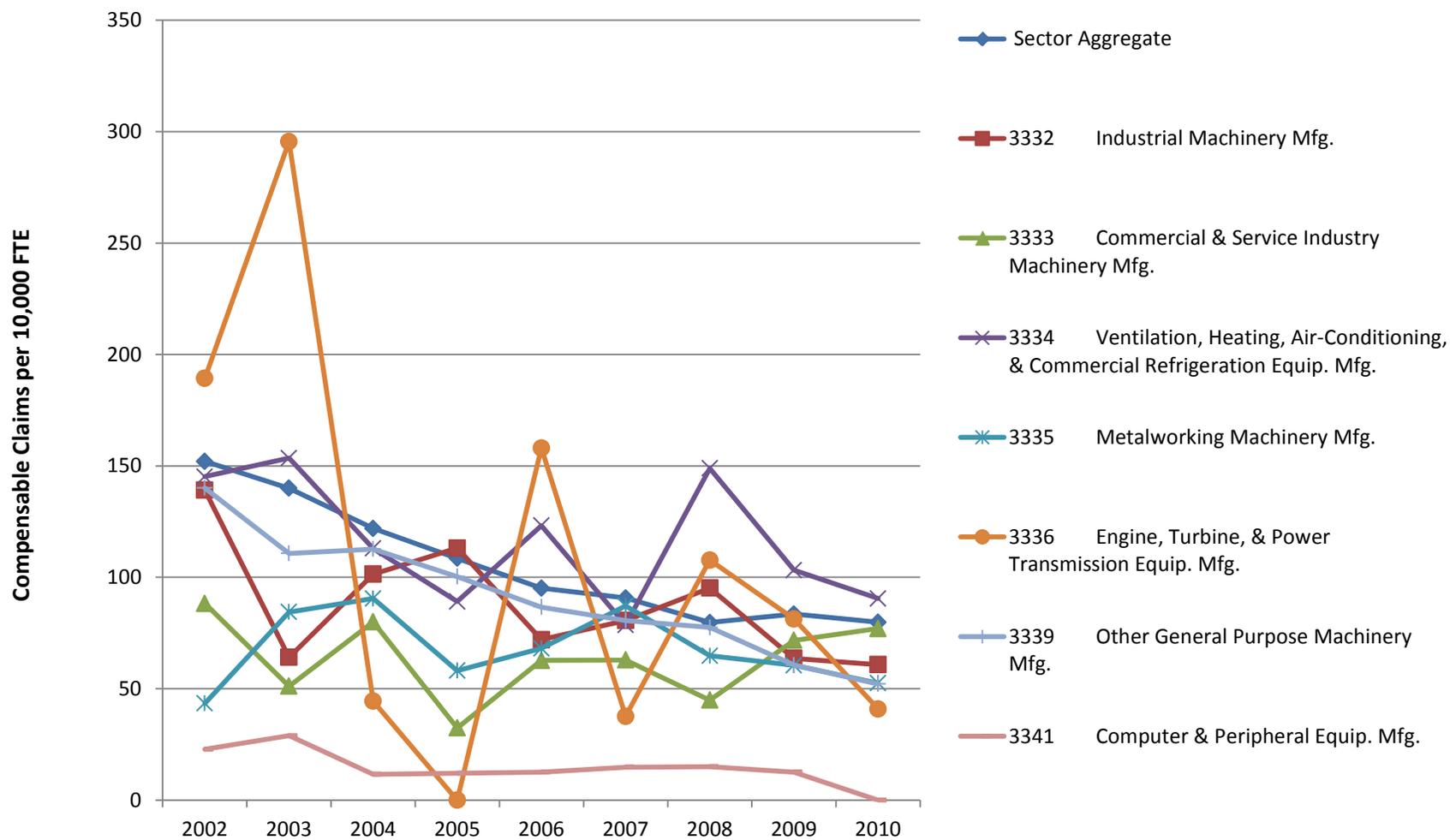
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(43-49)**



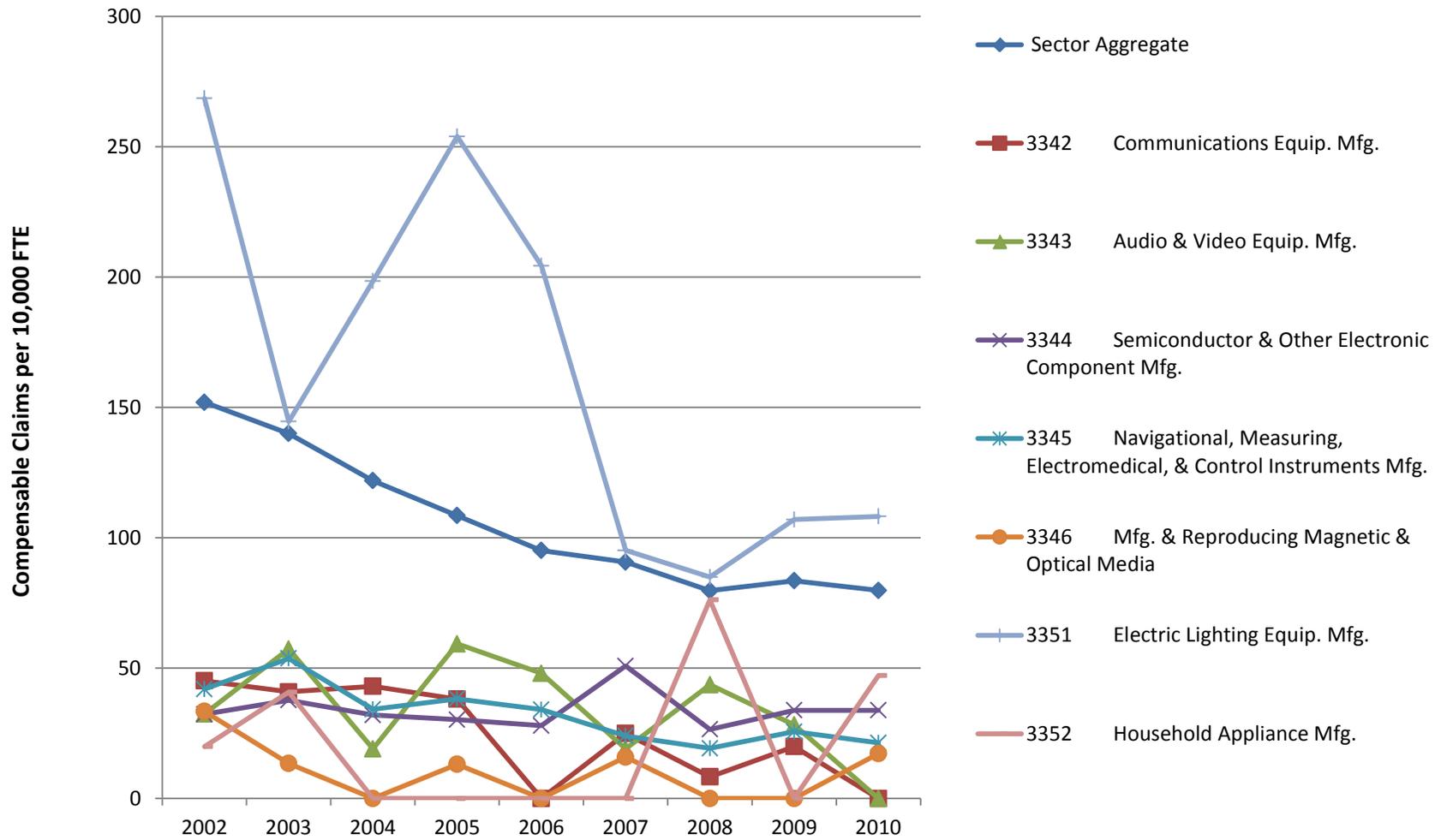
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(50-56)**



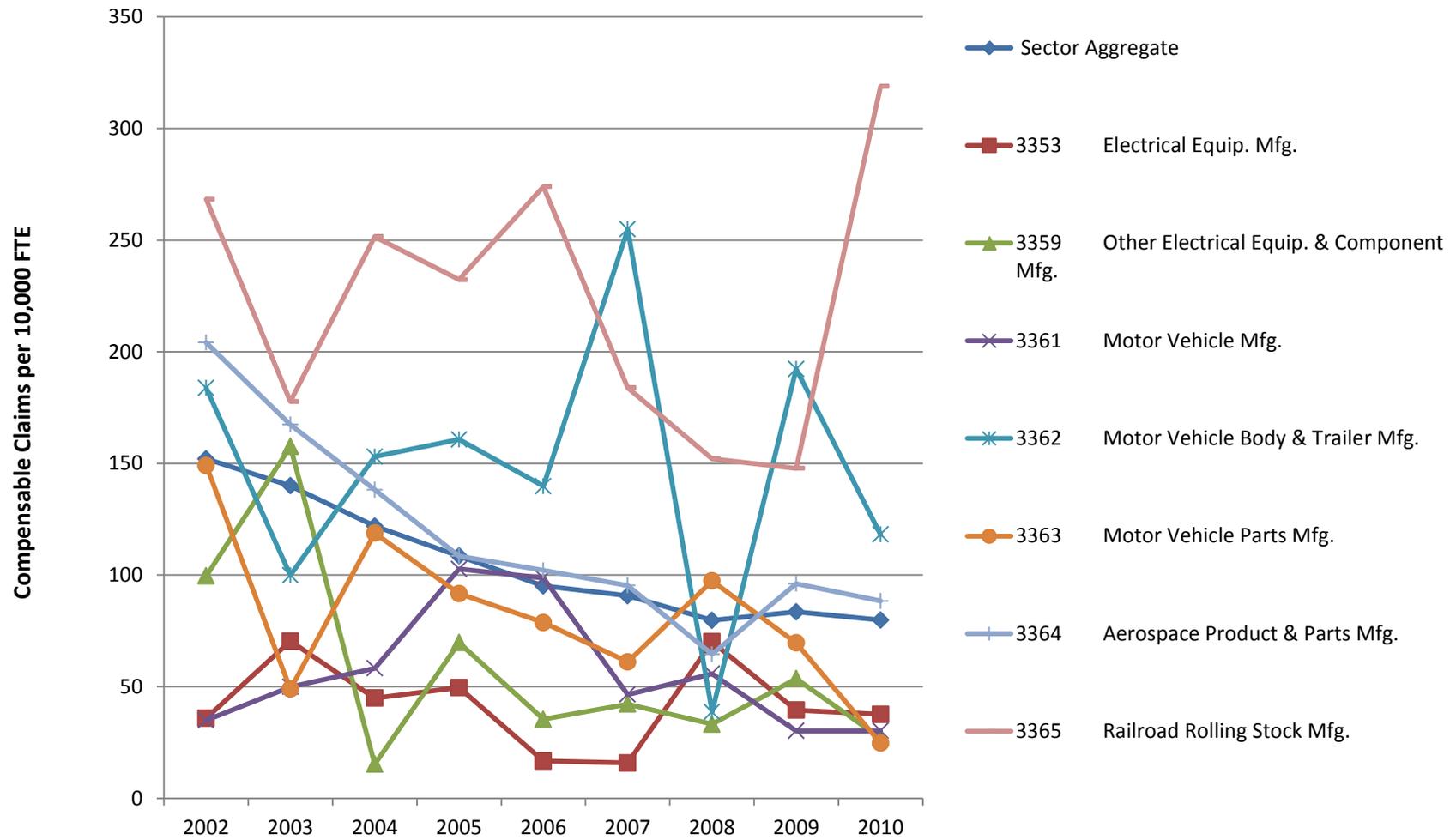
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(57-63)**



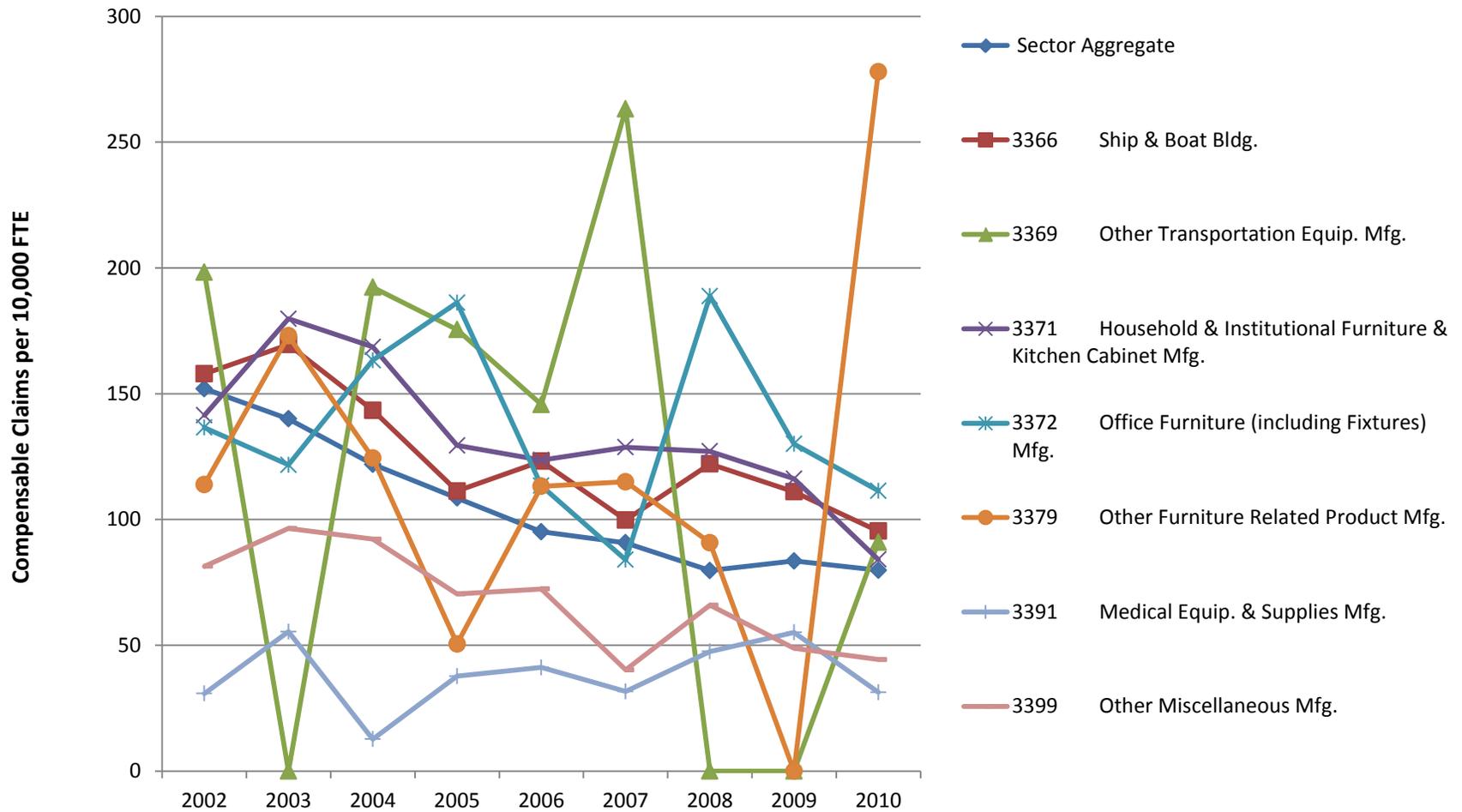
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(64-70)**



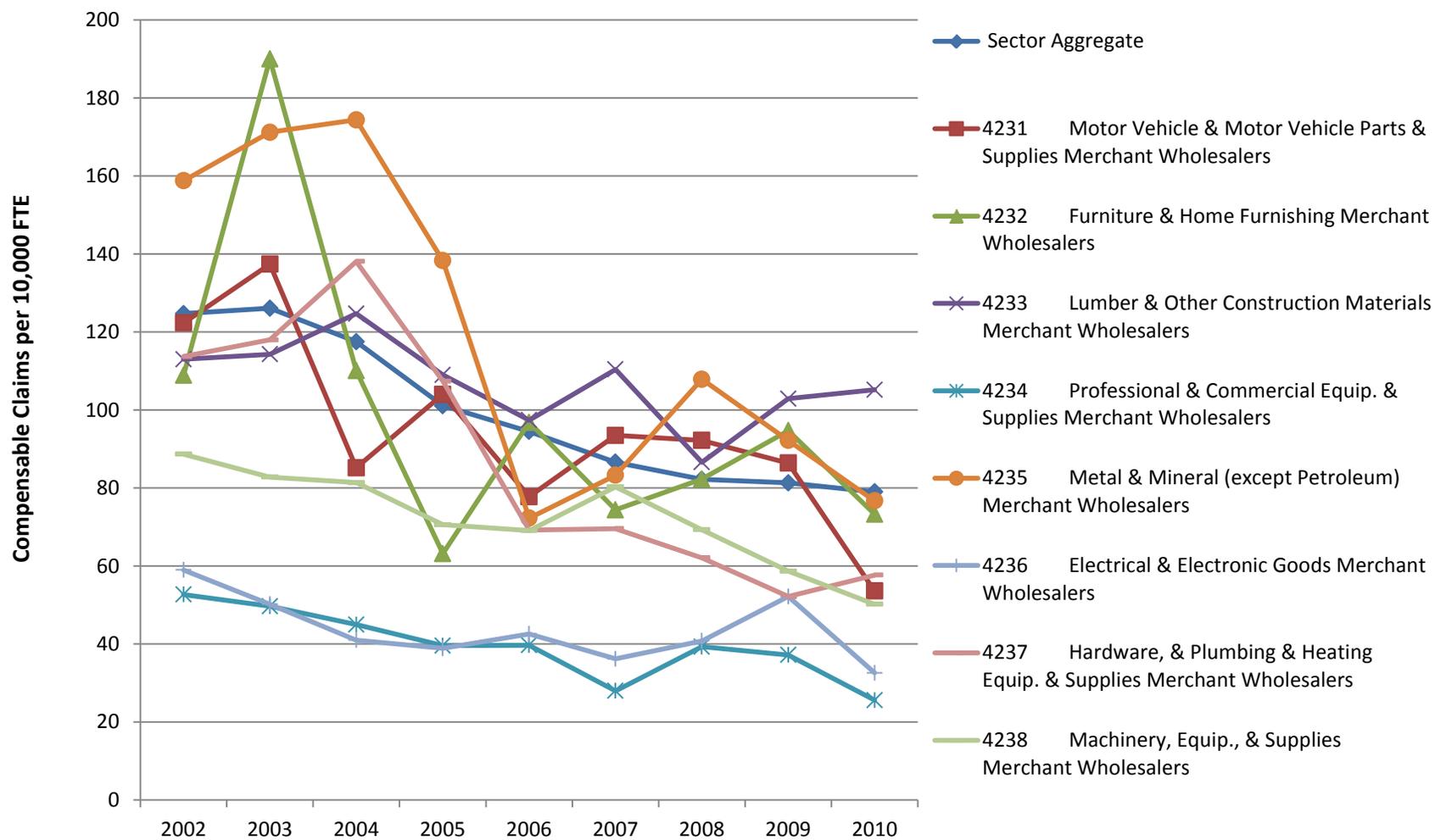
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002 - 2010.
(71-77)**



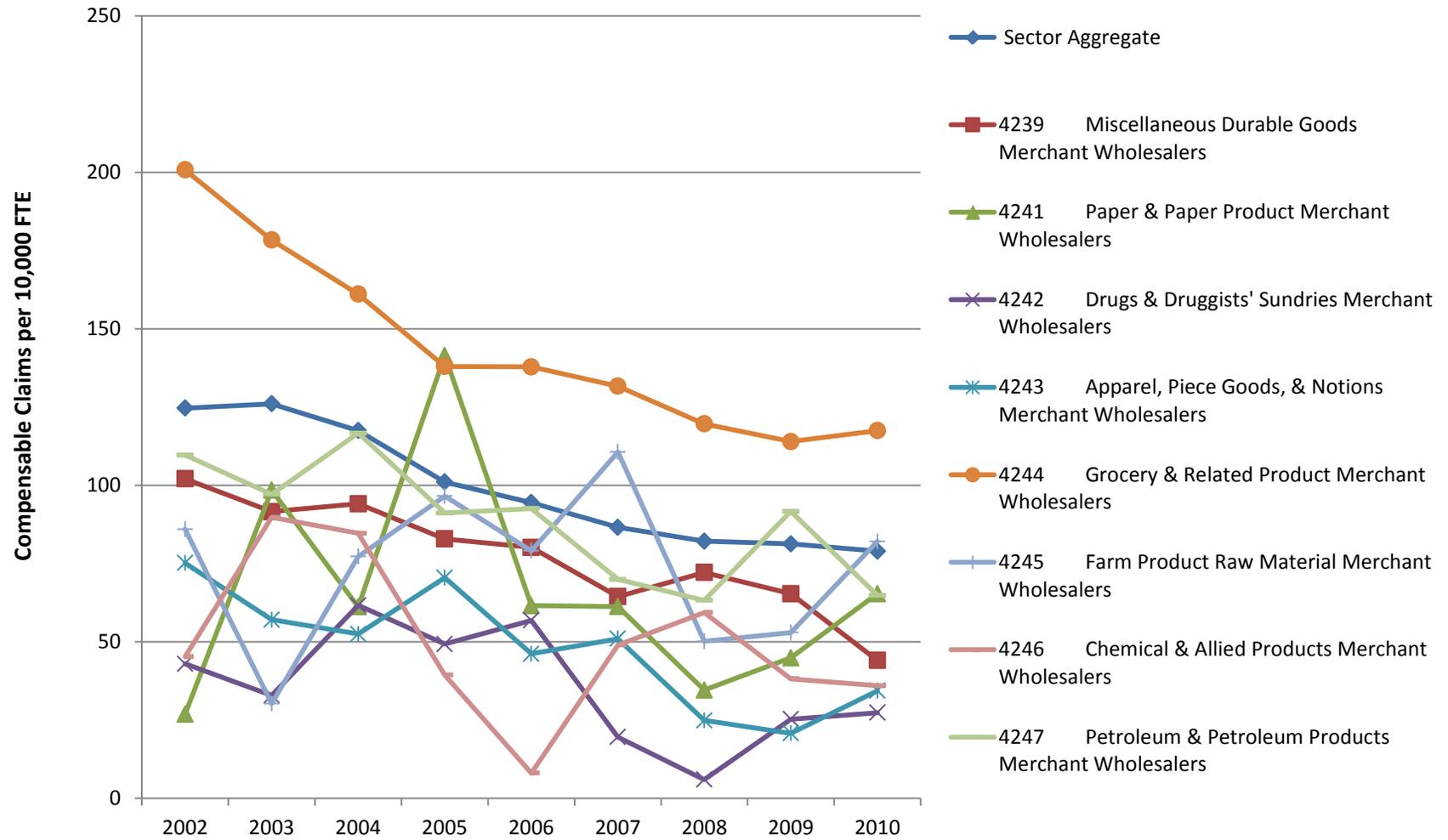
**Figure 1. Manufacturing: Washington State Compensable WMSD Claims Rates, 2002-2010.
(78-84)**



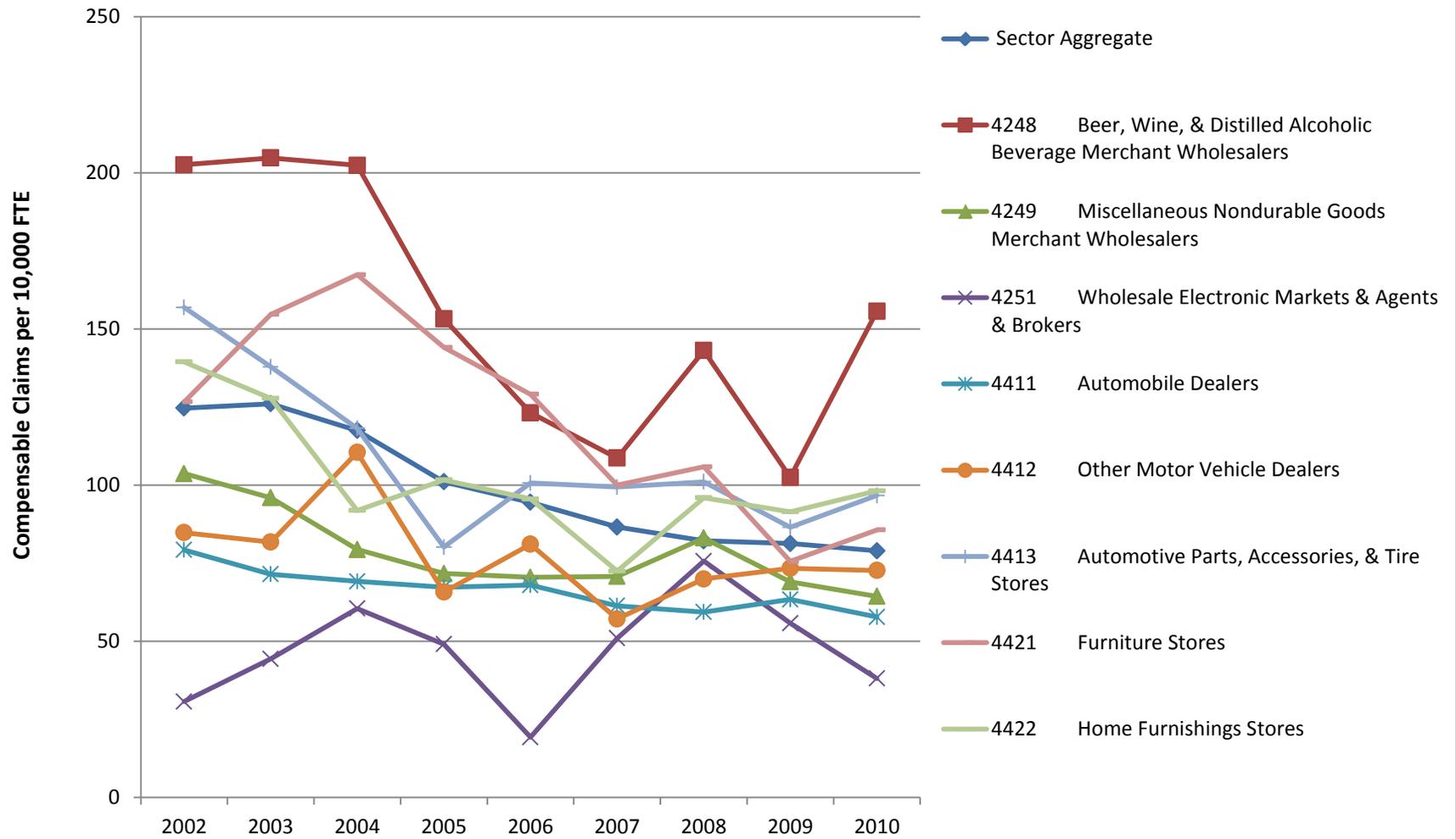
**Figure 1. Trade: Washington State Compensable WMSD Claims Rates, 2002-2010.
(1-8)**



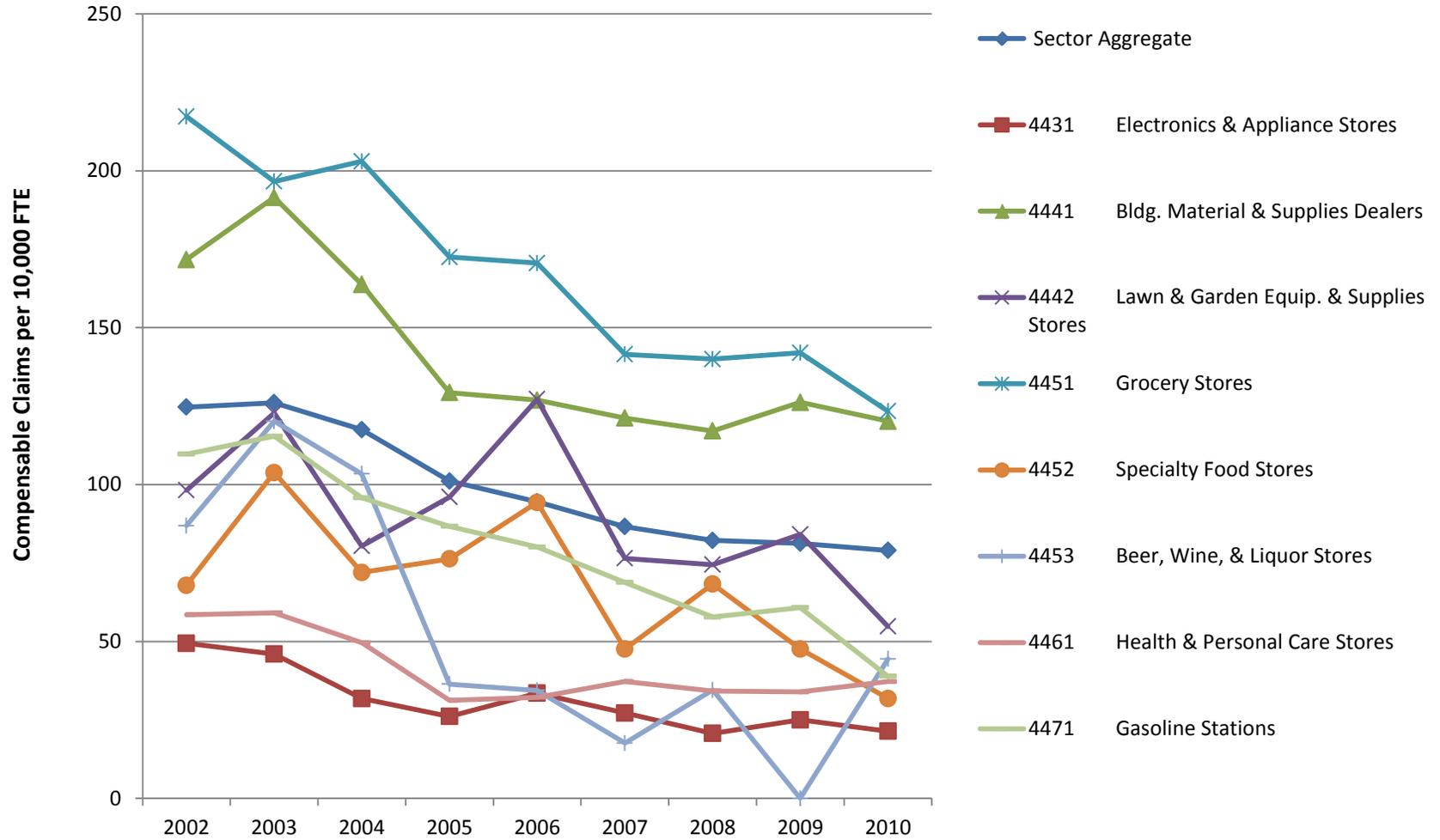
**Figure 1. Trade: Washington State Compensable WMSD Claims Rates, 2002-2010.
(9-16)**



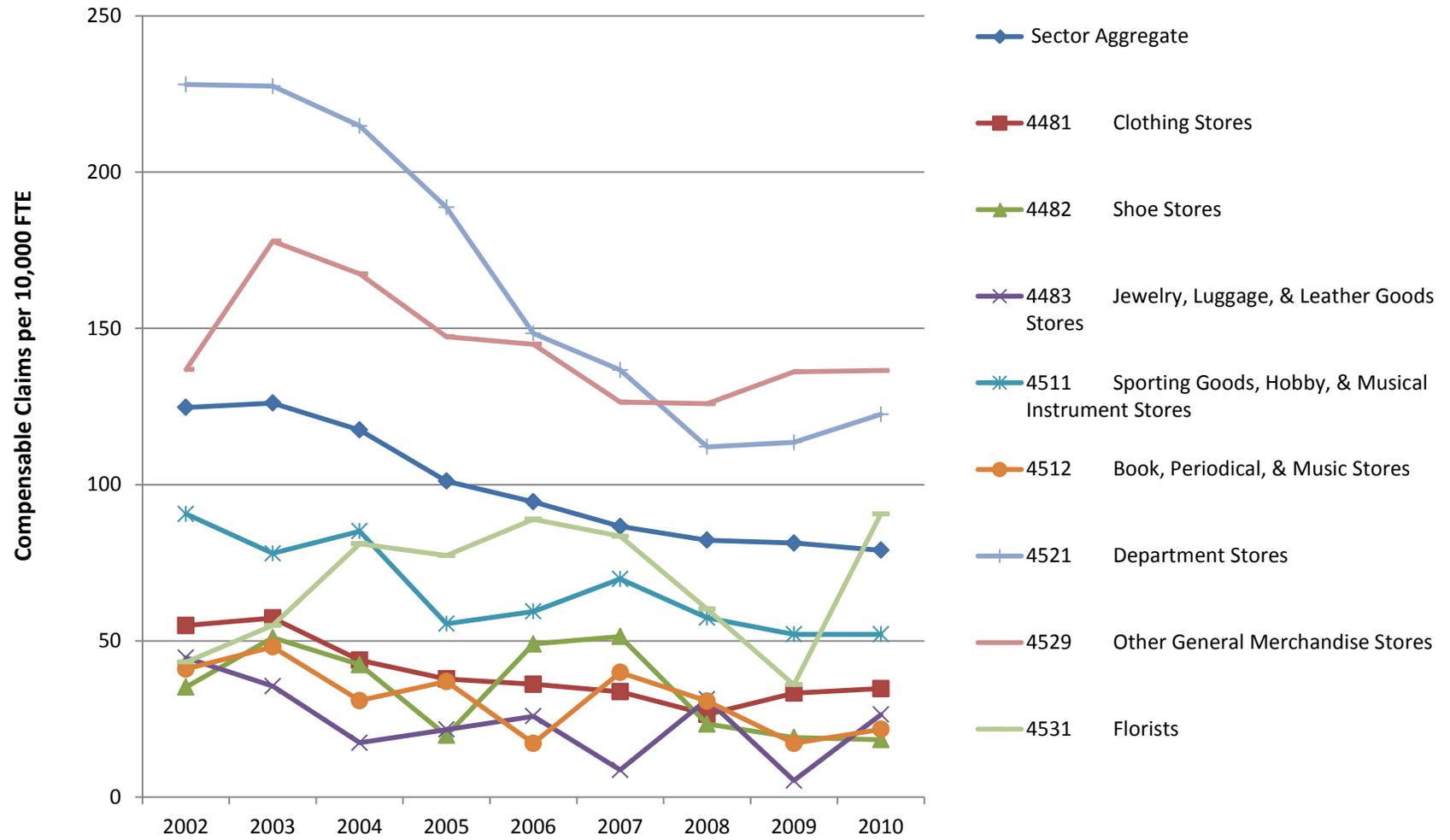
**Figure 1. Trade: Washington State Compensable WMSD Claims Rates, 2002-2010.
(17-24)**



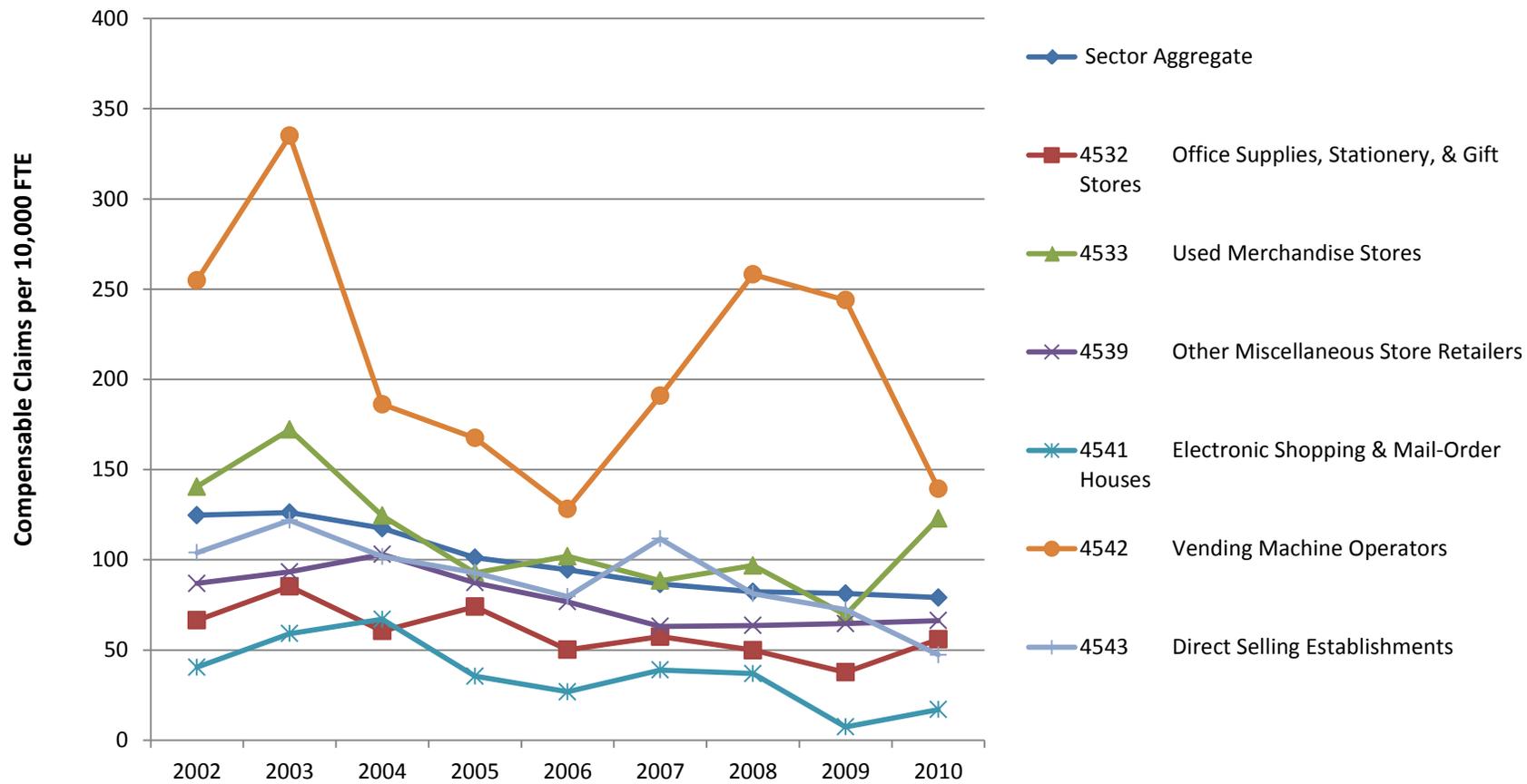
**Figure 1. Trade: Washington State Compensable WMSD Claims Rates, 2002-2010.
(25-32)**



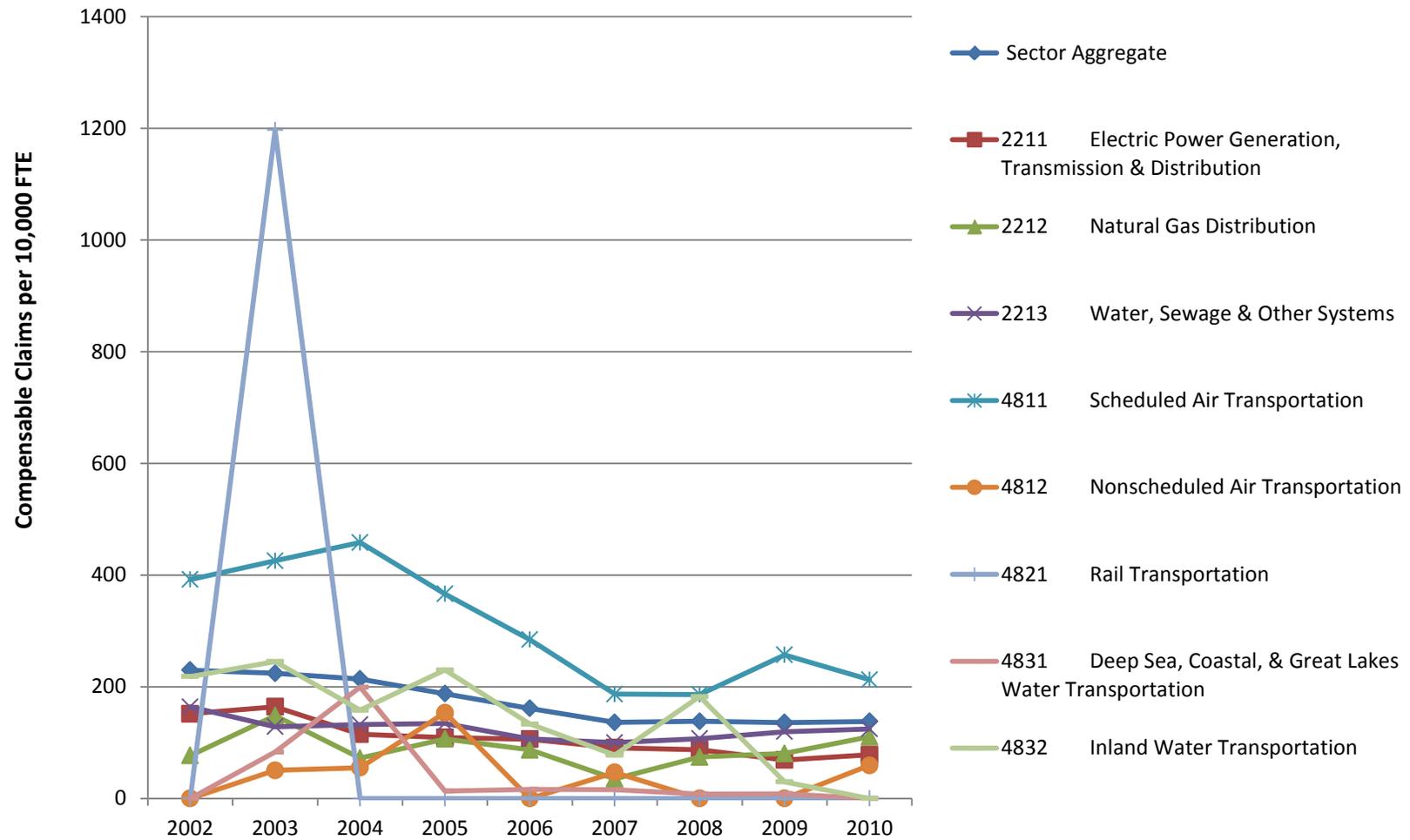
**Figure 1. Trade: Washington State Compensable WMSD Claims Rates, 2002-2010.
(33-40)**



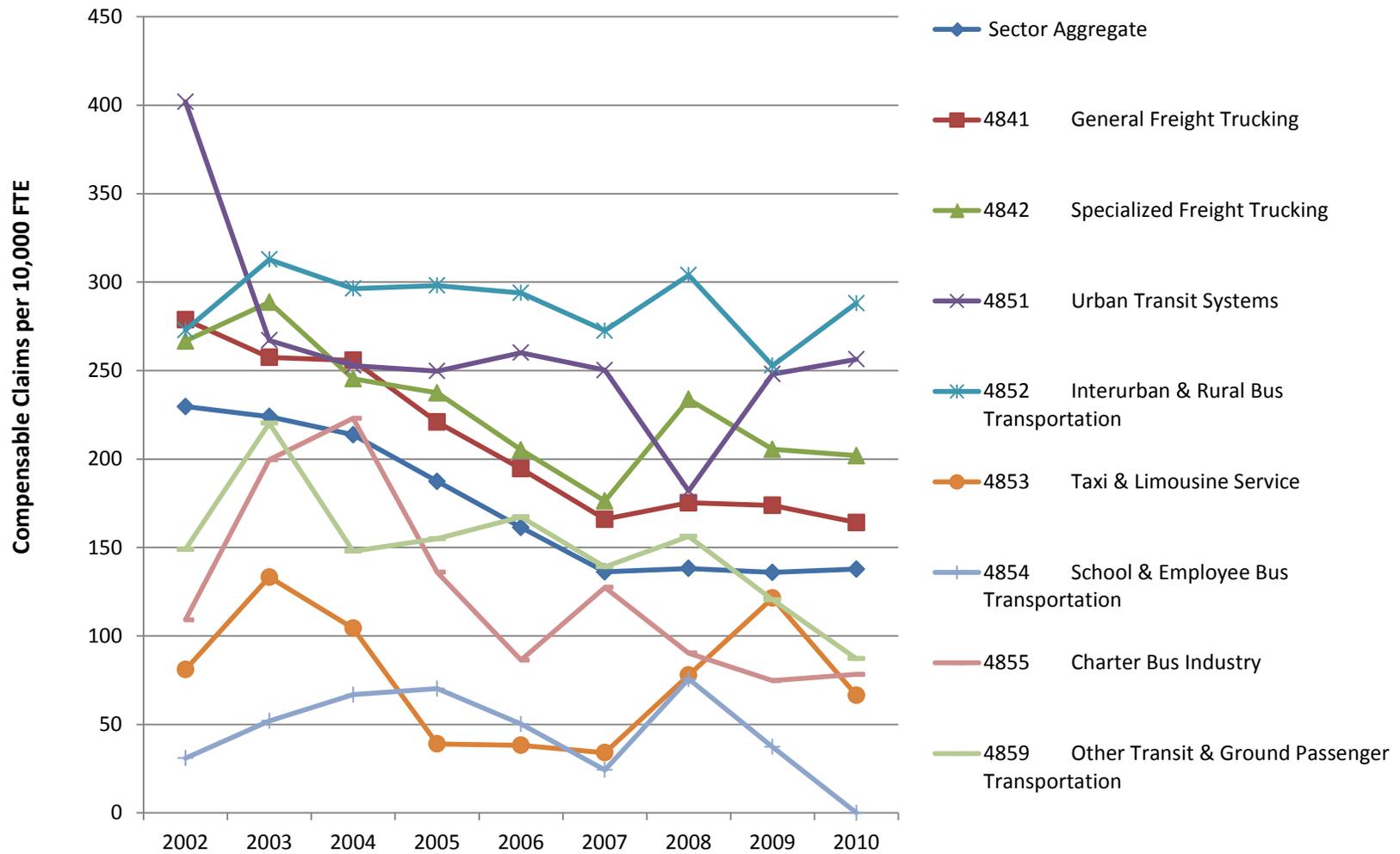
**Figure 1. Trade: Washington State Compensable WMSD Claims Rates, 2002-2010.
(41-46)**



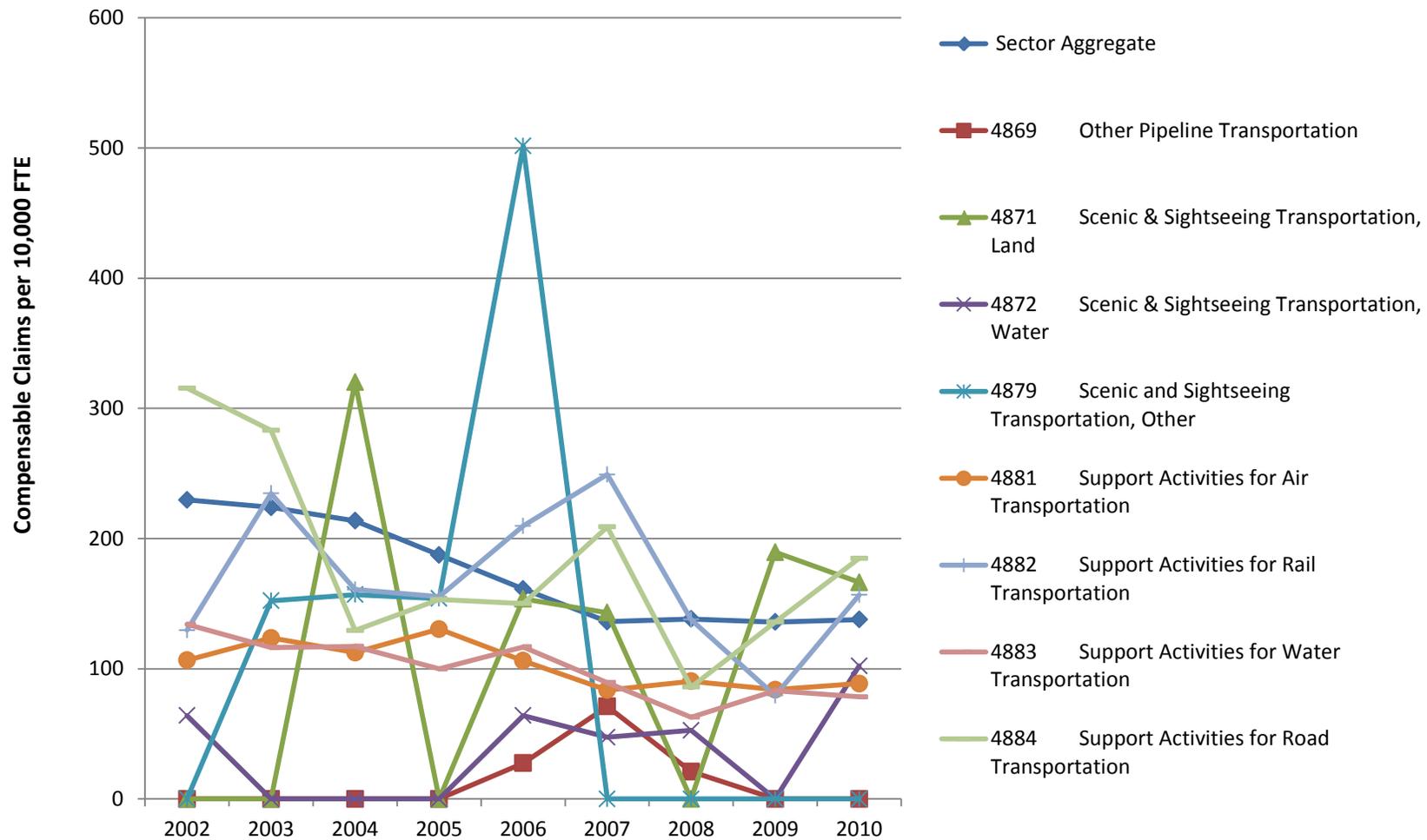
**Figure 1. Utilities: Washington State Compensable WMSD Claims Rates, 2002-2010.
(1-8)**



**Figure 1. Utilities: Washington State Compensable WMSD Claims Rates, 2002-2010.
(9-16)**



**Figure 1. Utilities: Washington State Compensable WMSD Claims Rates, 2002-2010.
(17-24)**



**Figure 1. Utilities: Washington State Compensable WMSD Claims Rates, 2002-2010.
(25-30)**

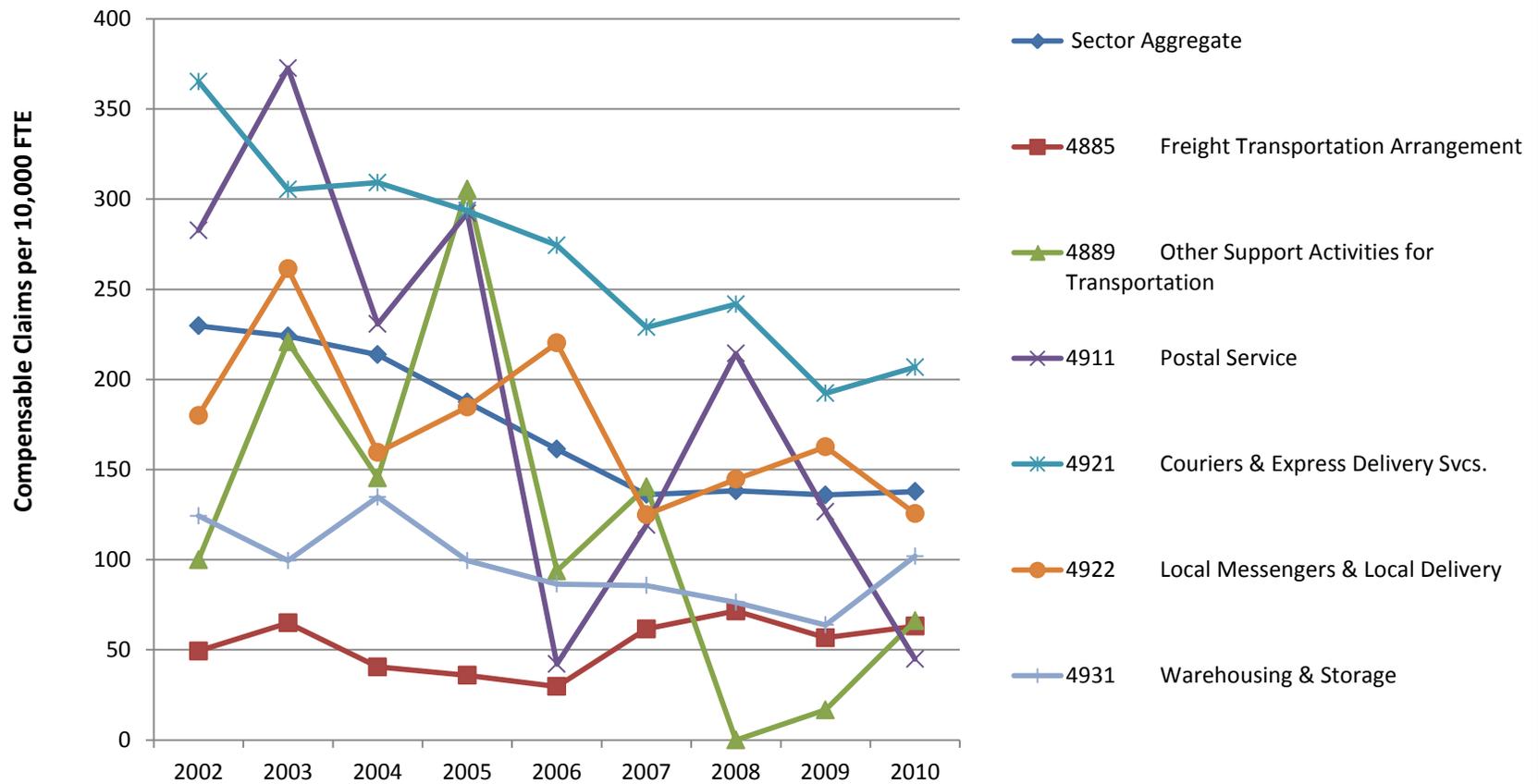
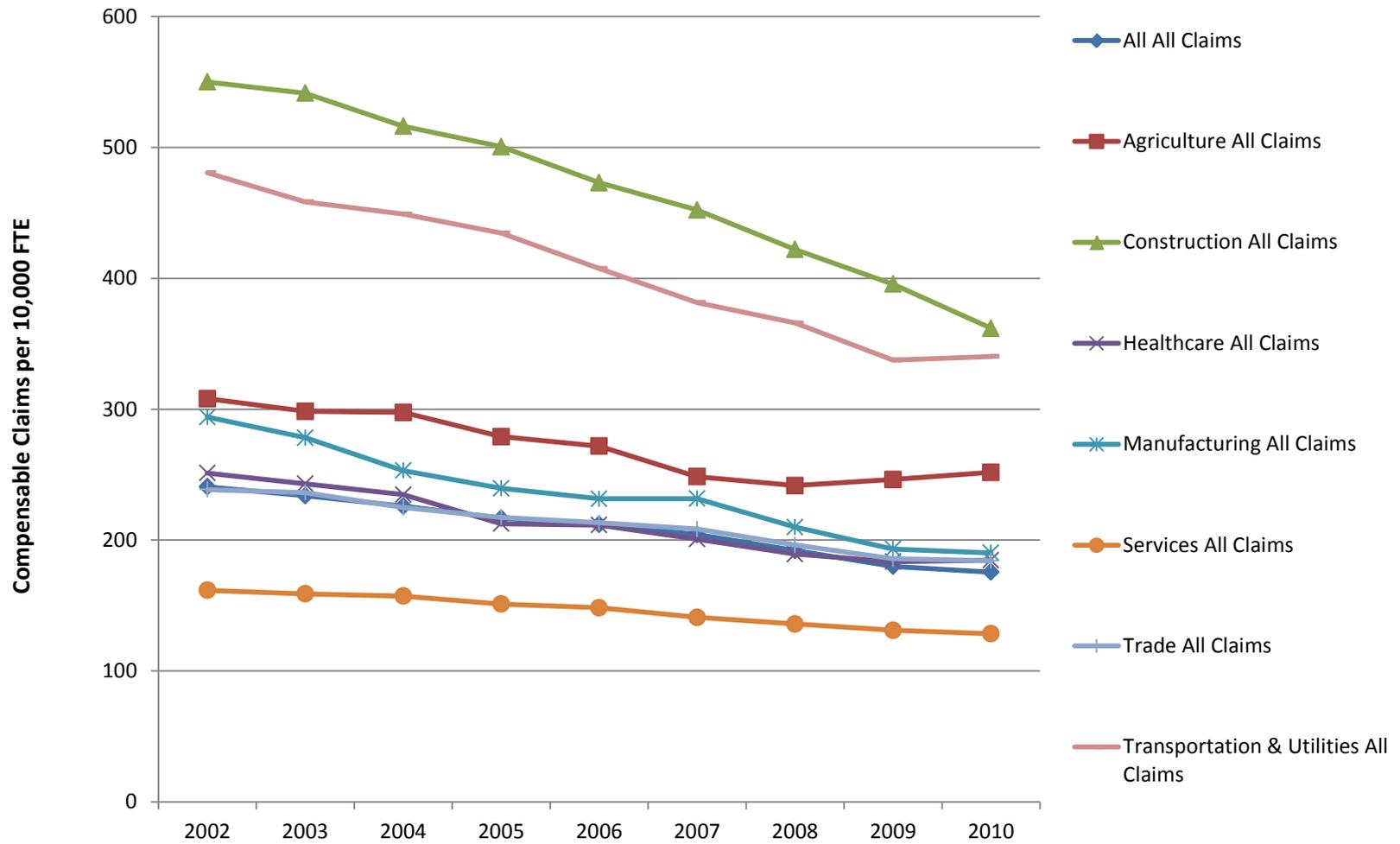
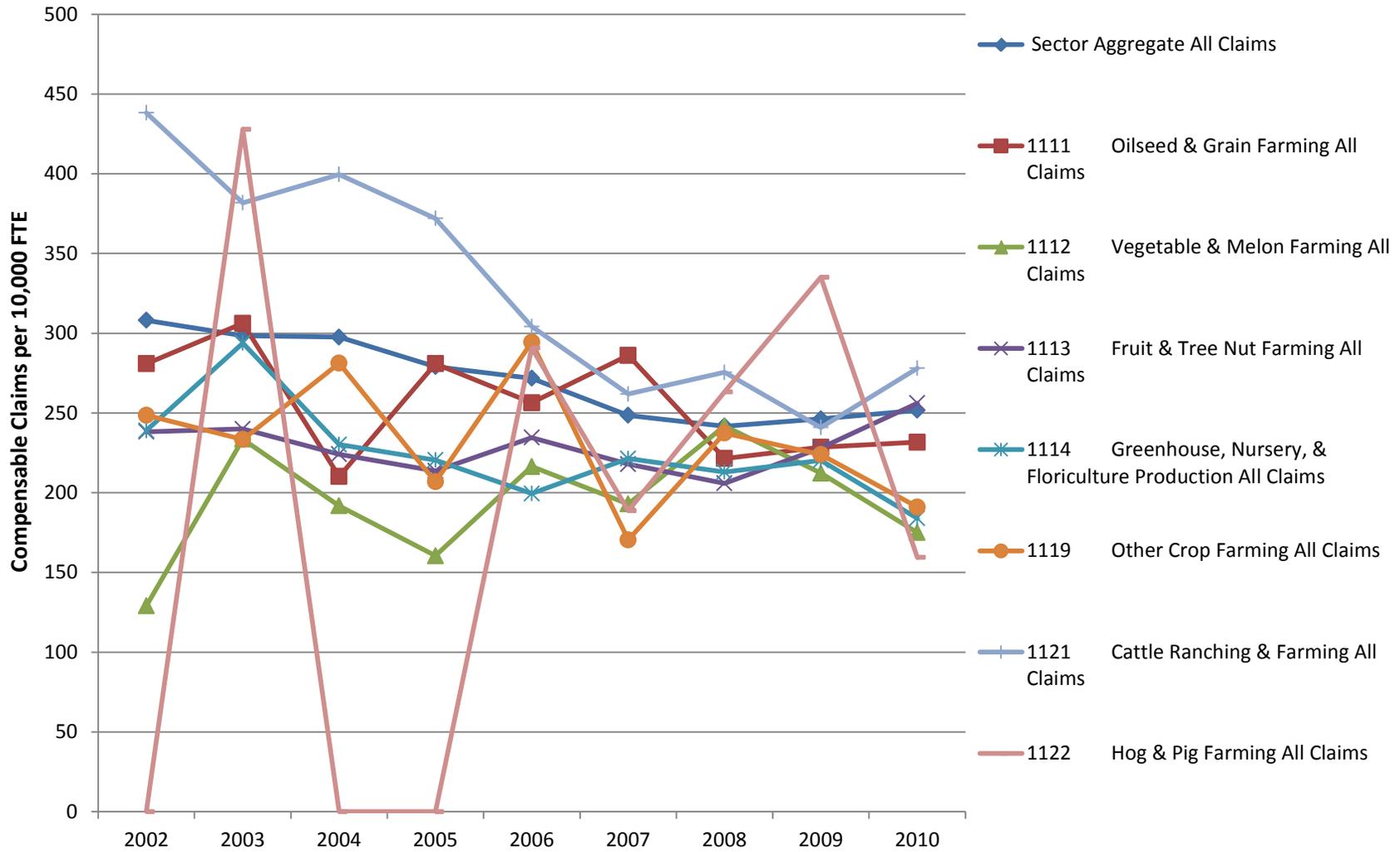


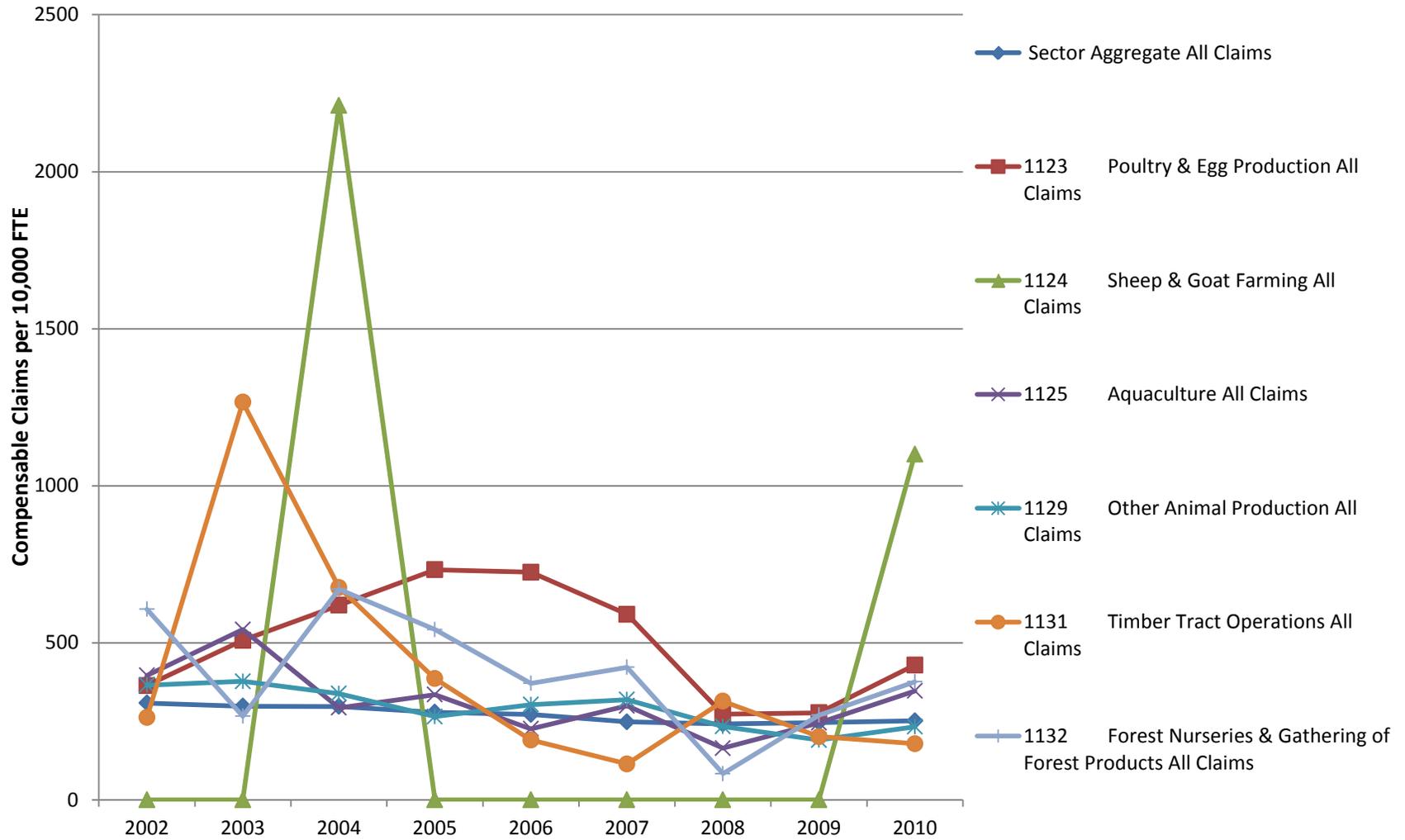
Figure 1A. Washington Compensable Claims Rates 2002-2010. (All Claims)



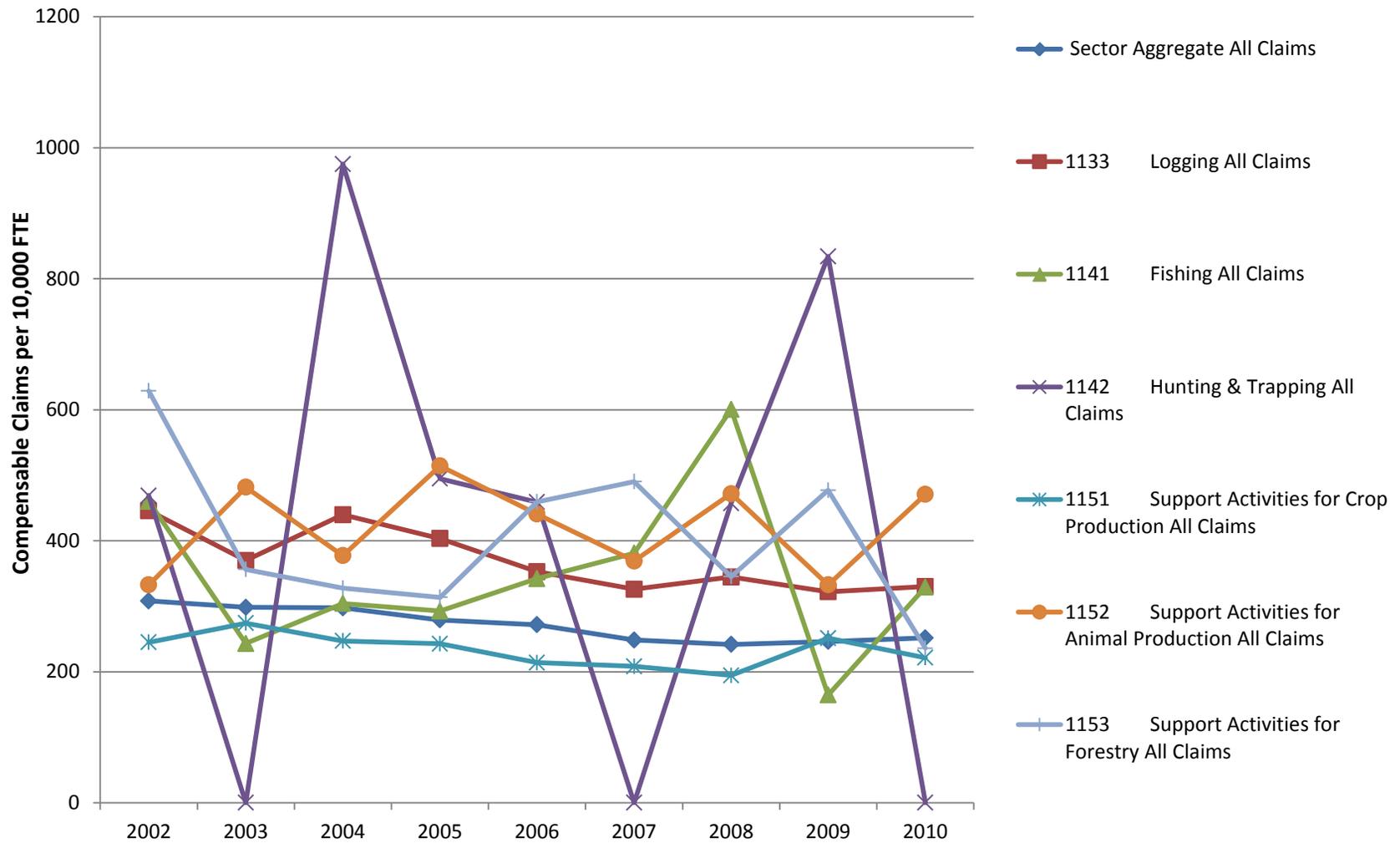
**Figure 1A. Agriculture: Washington Compensable Claims Rates 2002-2010.
(All Claims, 1-7)**



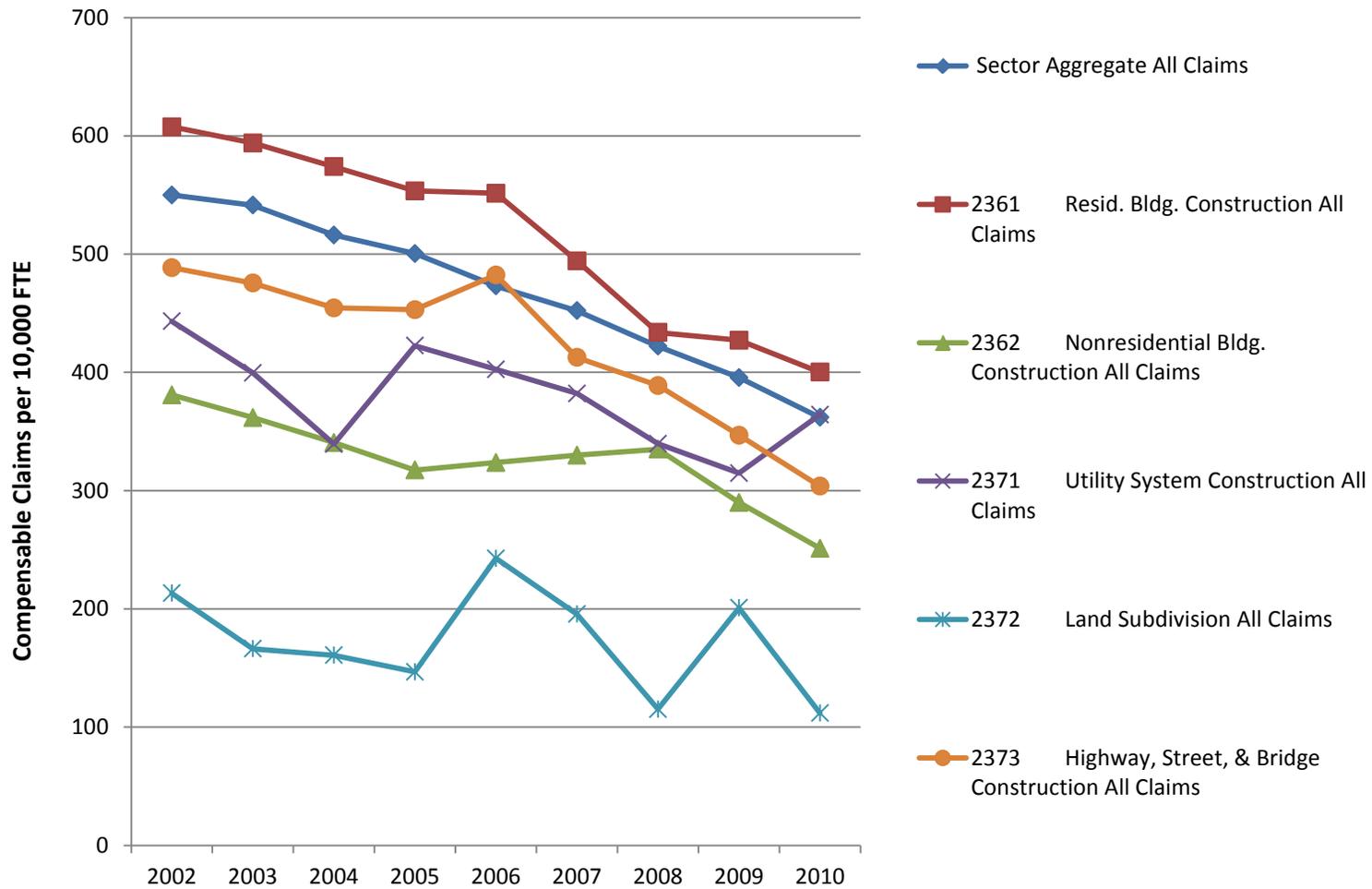
**Figure 1A. Agriculture: Washington Compensable Claims Rates 2002-2010.
(All Claims, 8-13)**



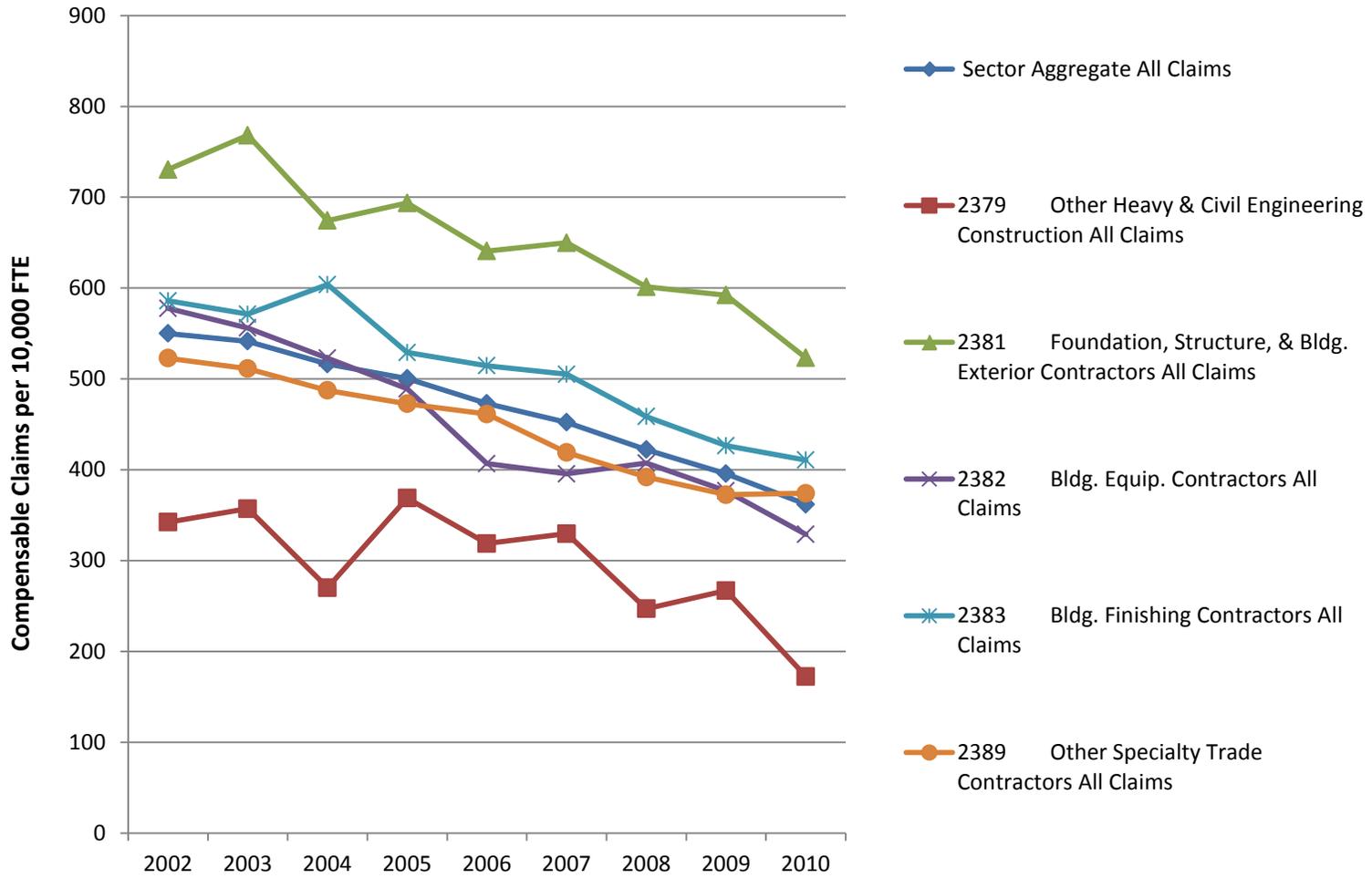
**Figure 1A. Agriculture: Washington Compensable Claims Rates 2002-2010.
(All Claims, 14-19)**



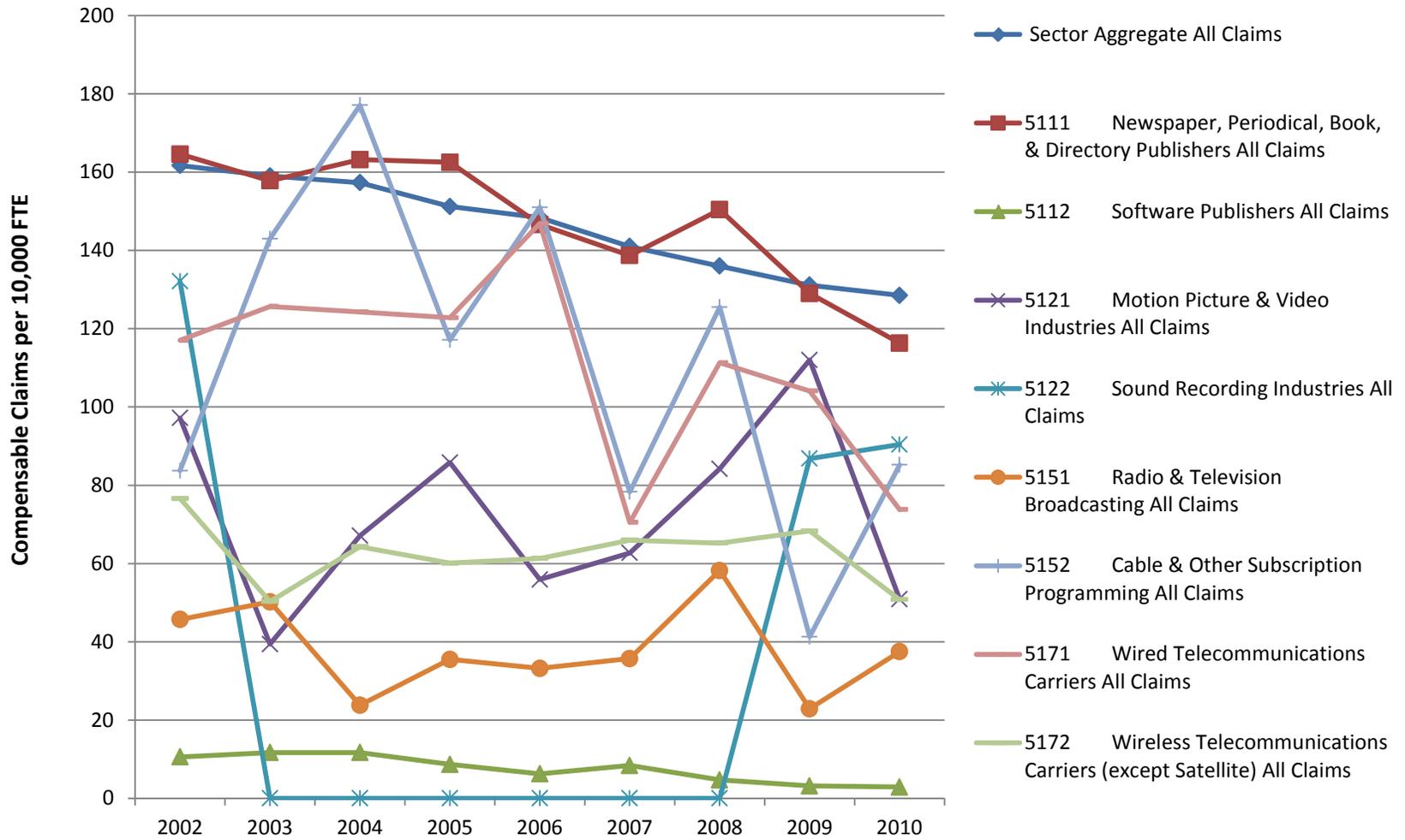
**Figure 1A. Construction: Washington Compensable Claims Rates 2002-2010.
(All Claims, 1-5)**



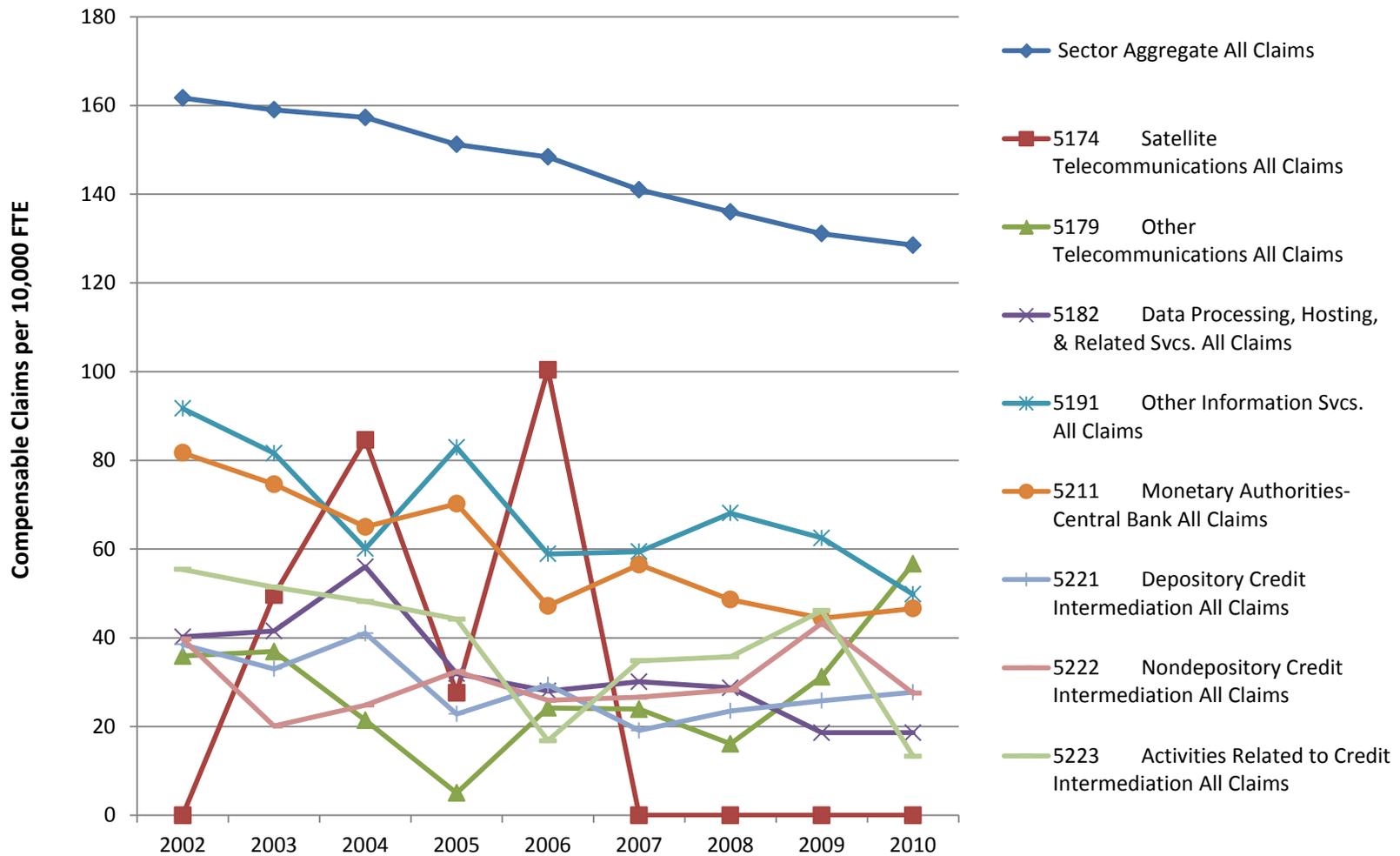
**Figure 1A. Construction: Washington Compensable Claims Rates 2002-2010.
(All Claims, 6-10)**



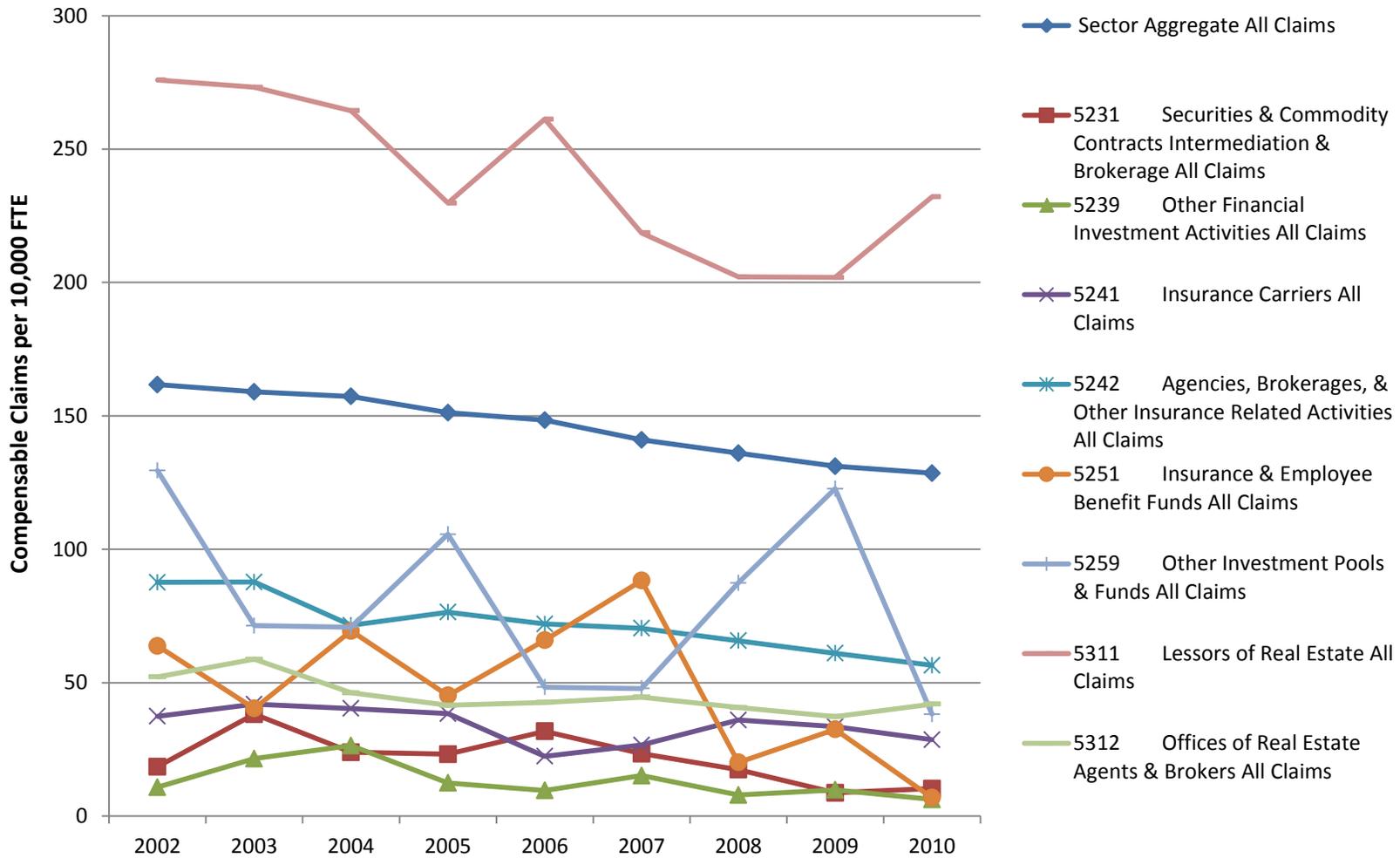
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 1-8)**



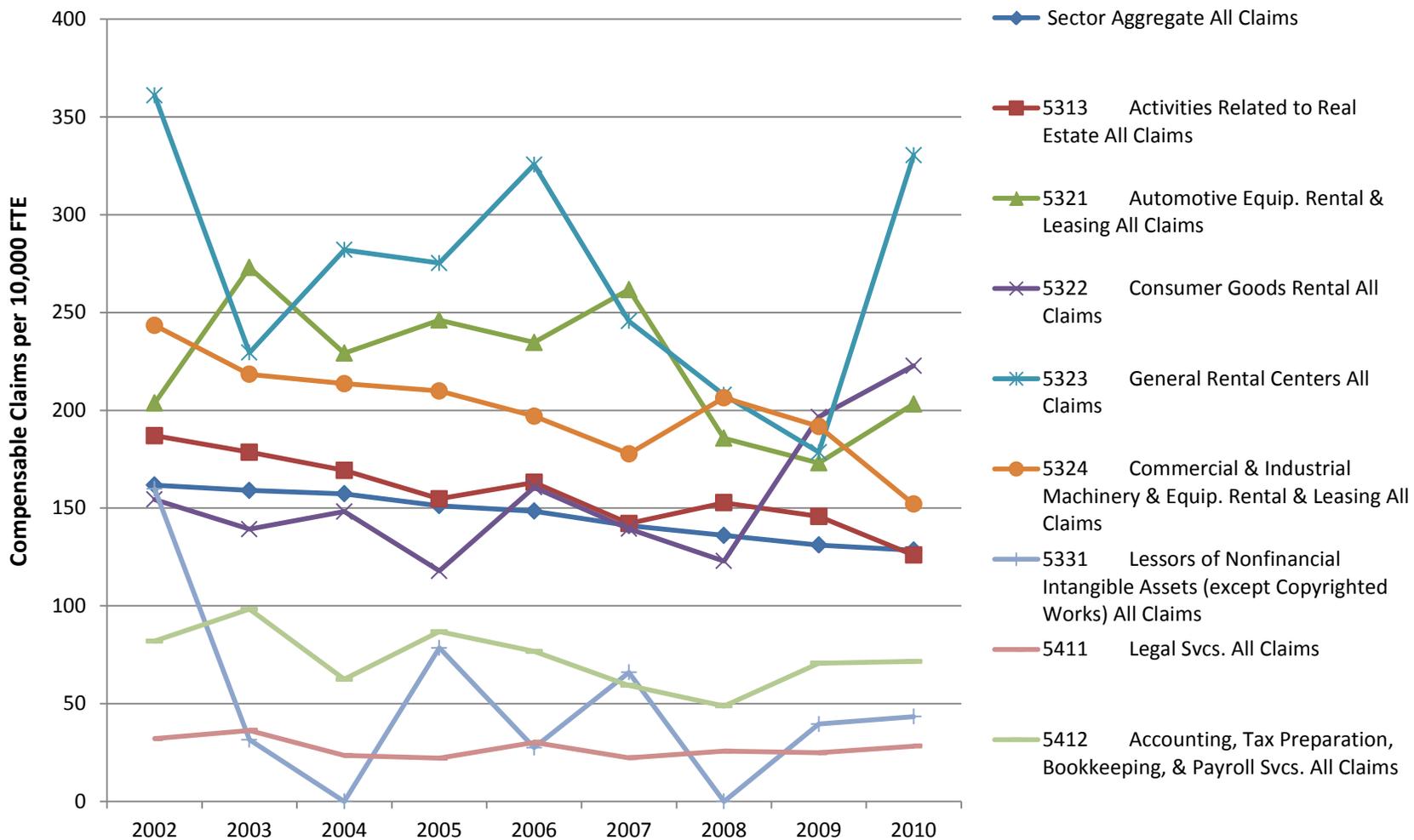
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 9-16)**



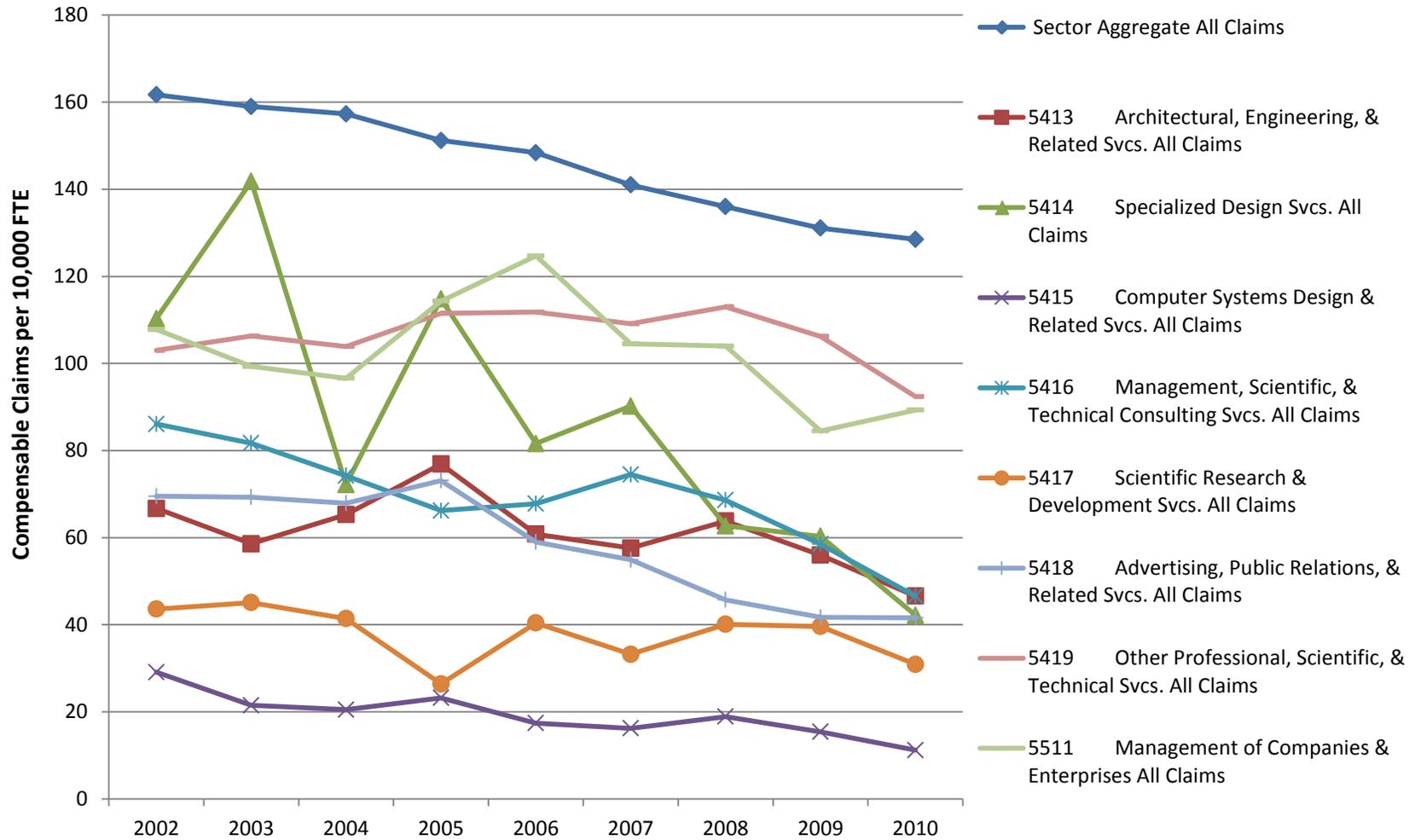
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 17-24)**



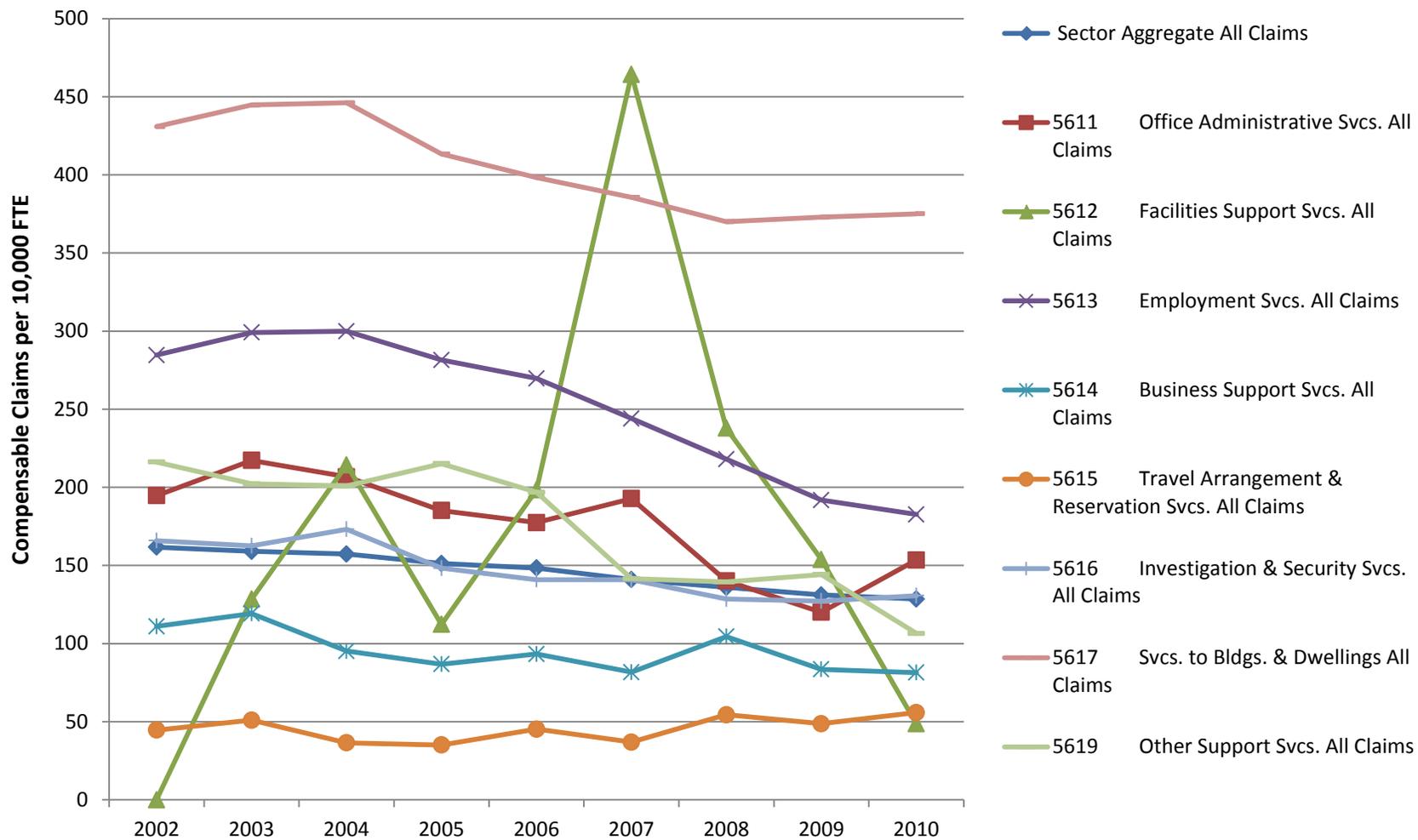
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 25-32)**



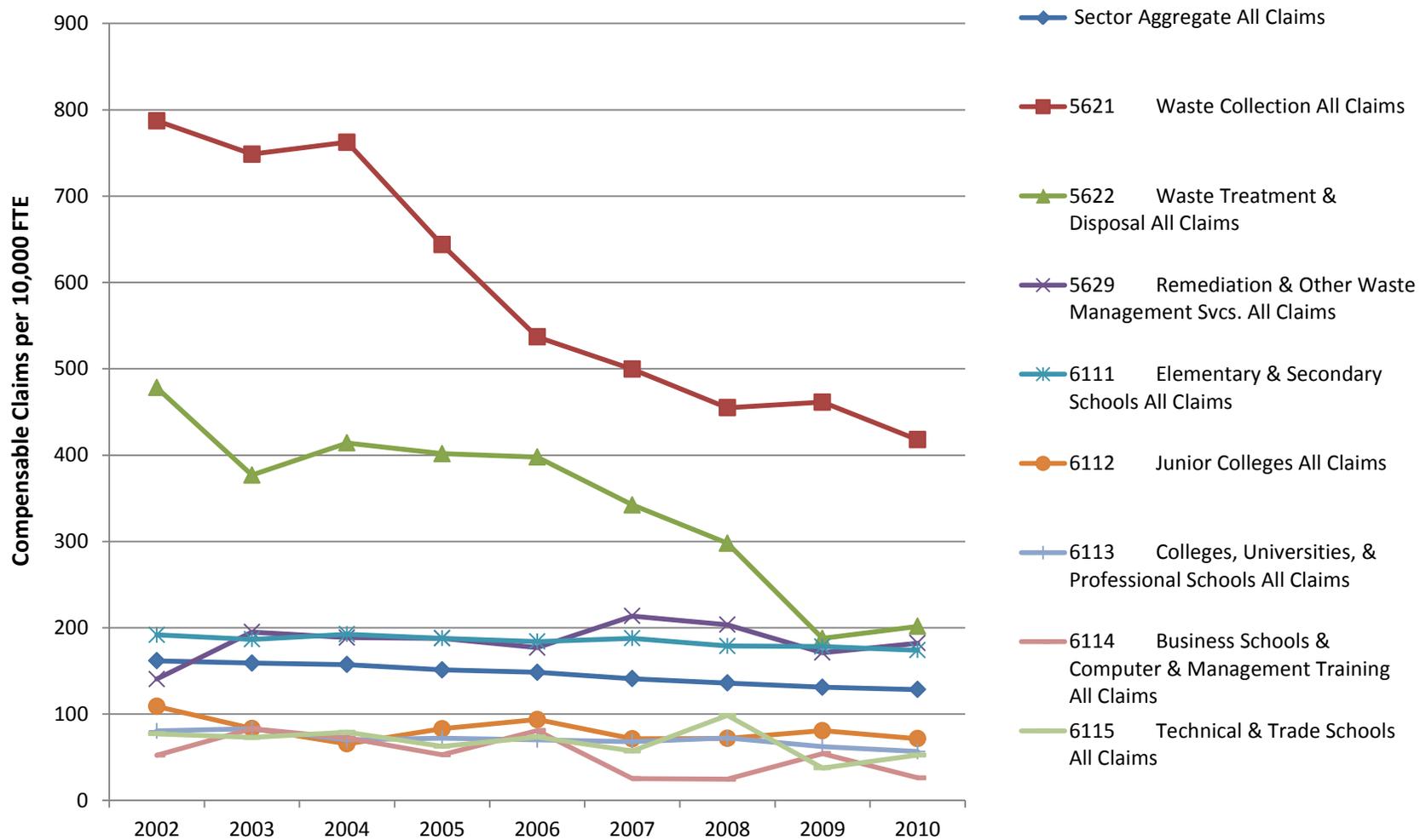
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 33-40)**



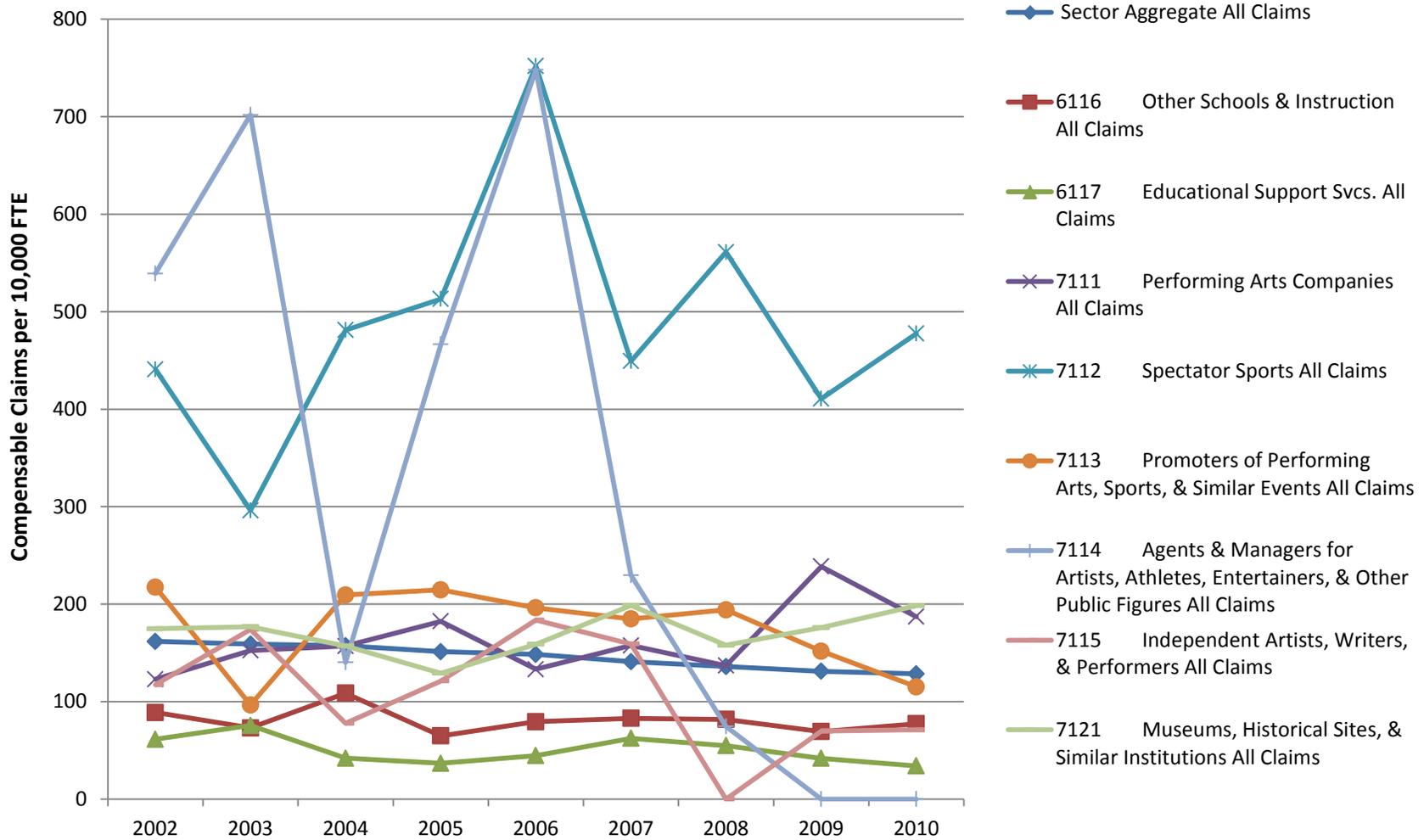
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 41-48)**



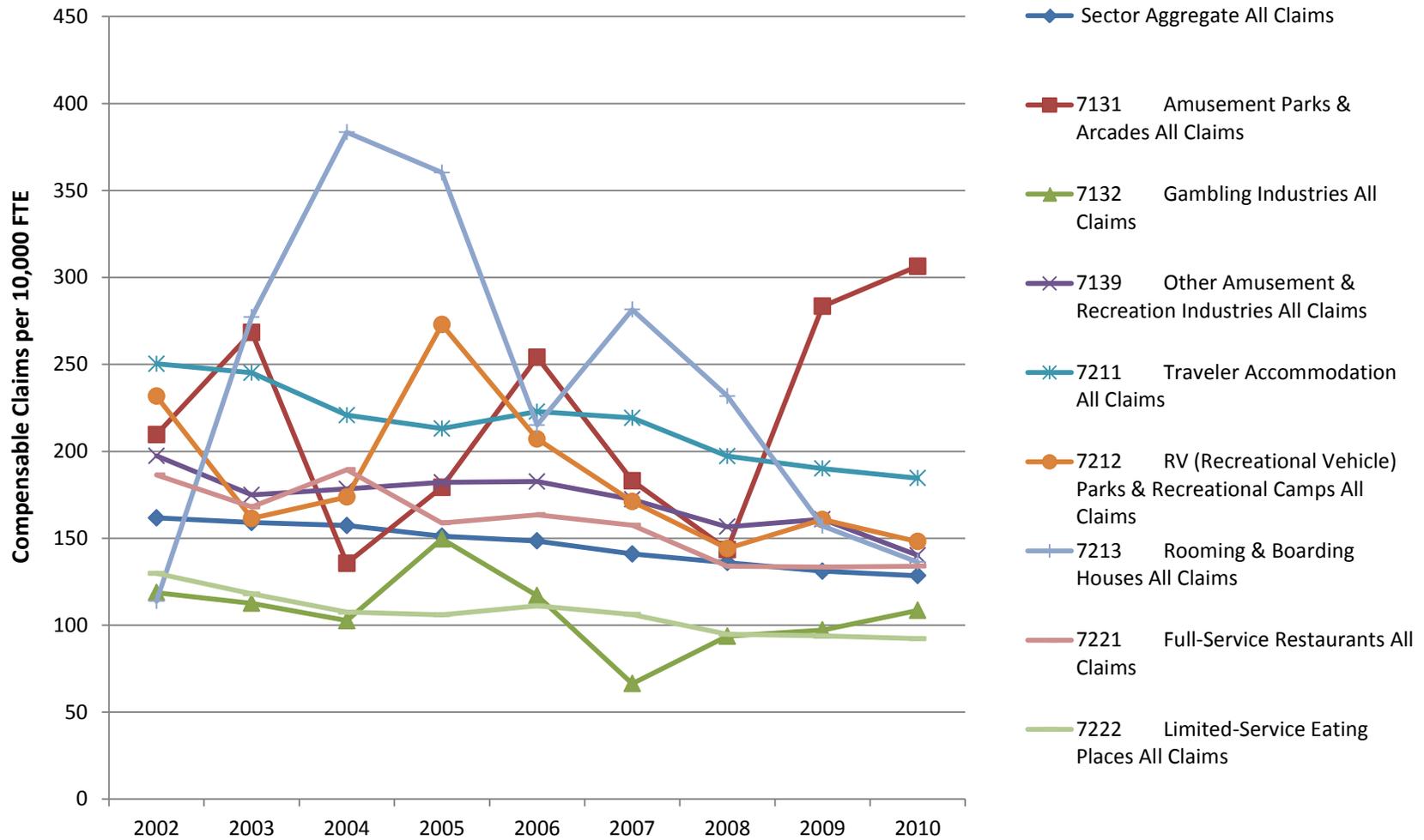
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 49-56)**



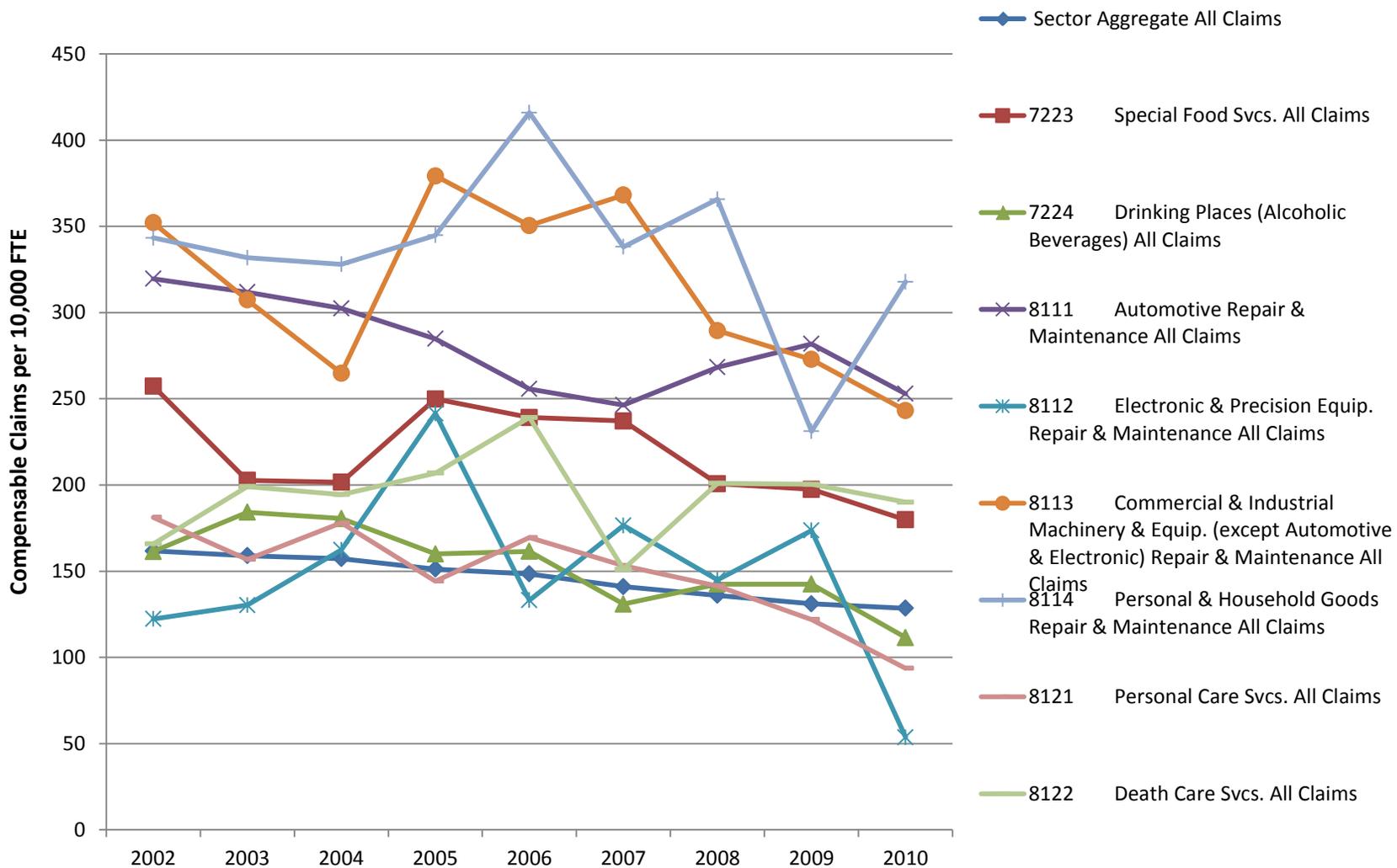
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 57-64)**



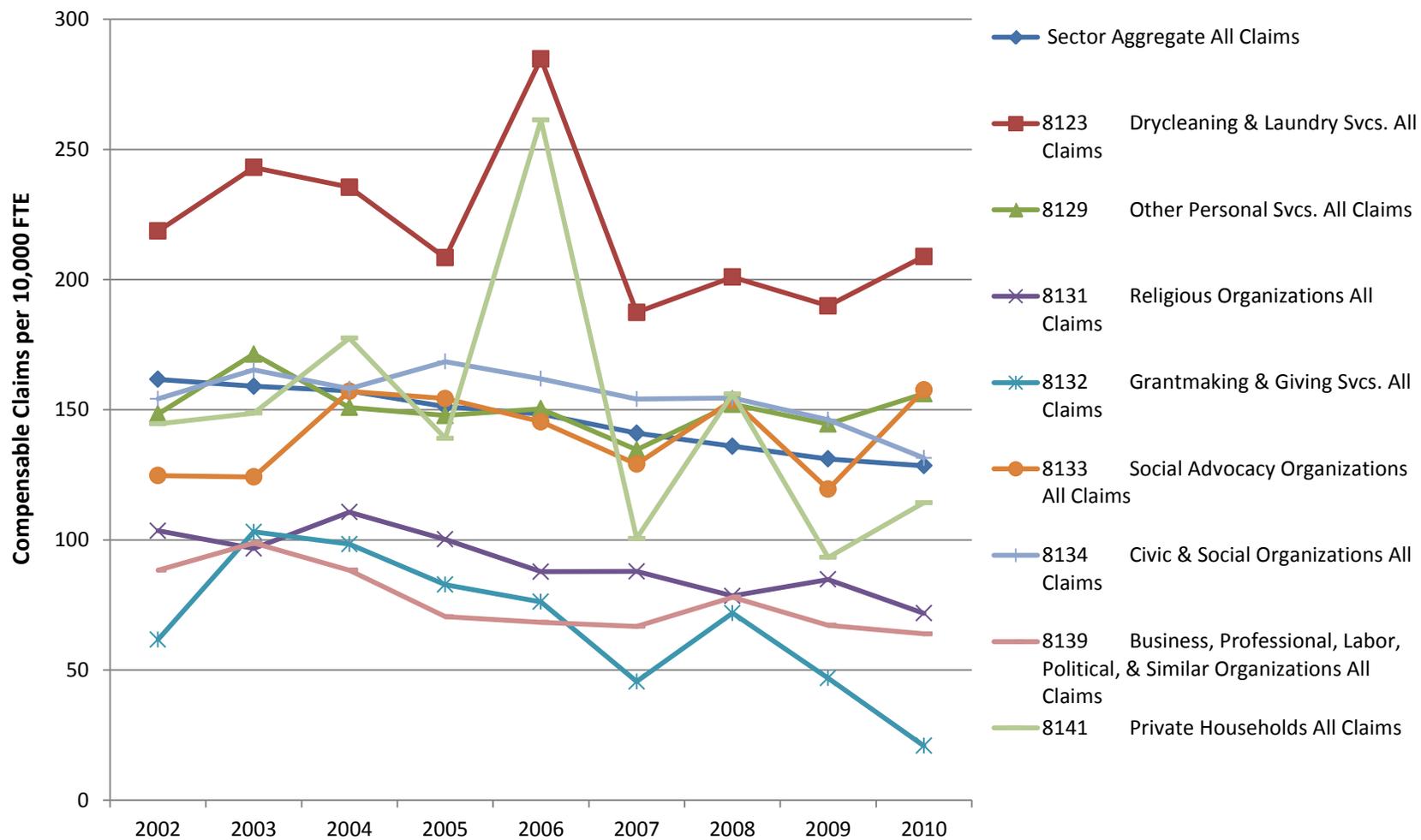
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 65-72)**



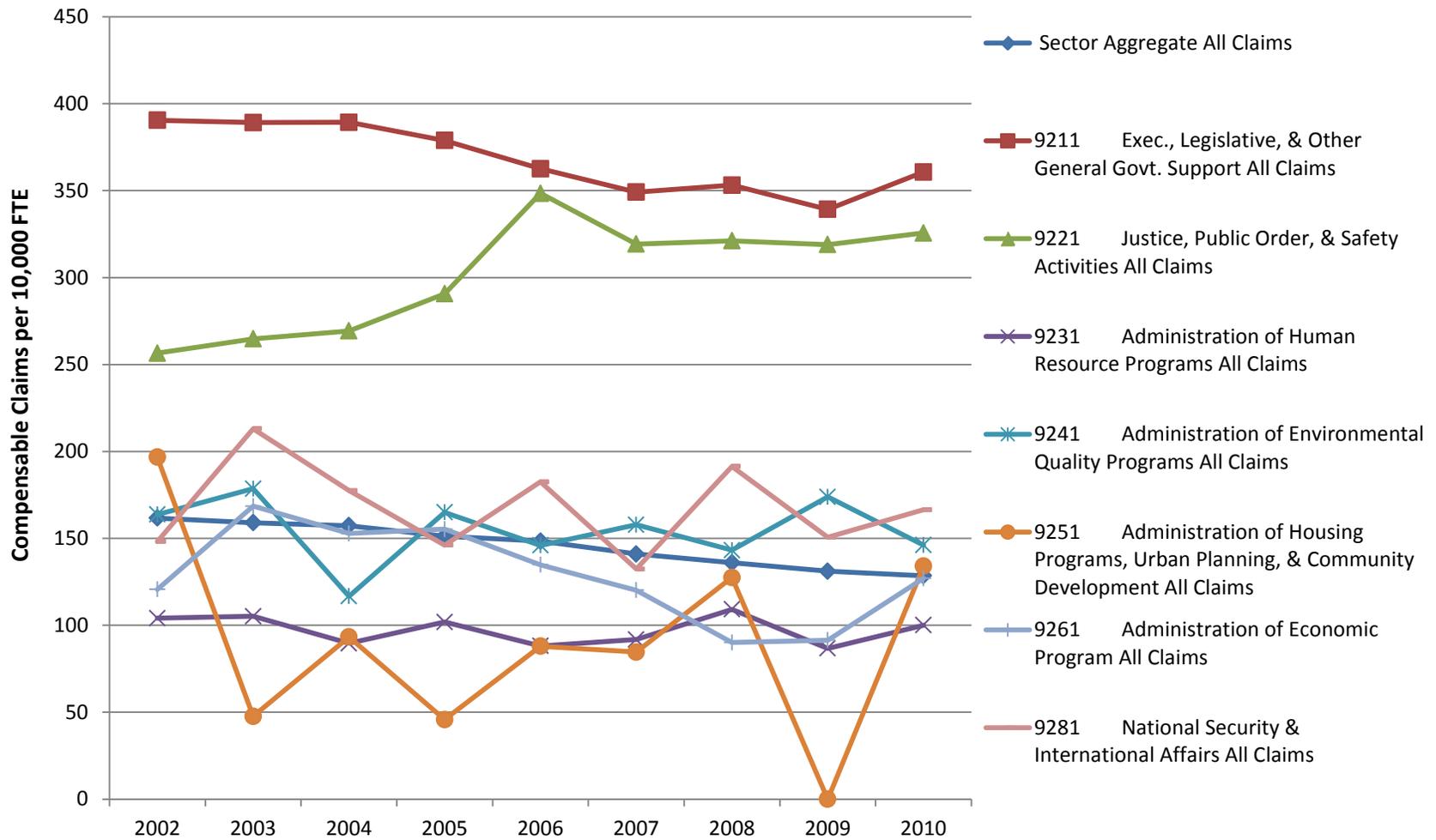
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 73-80)**



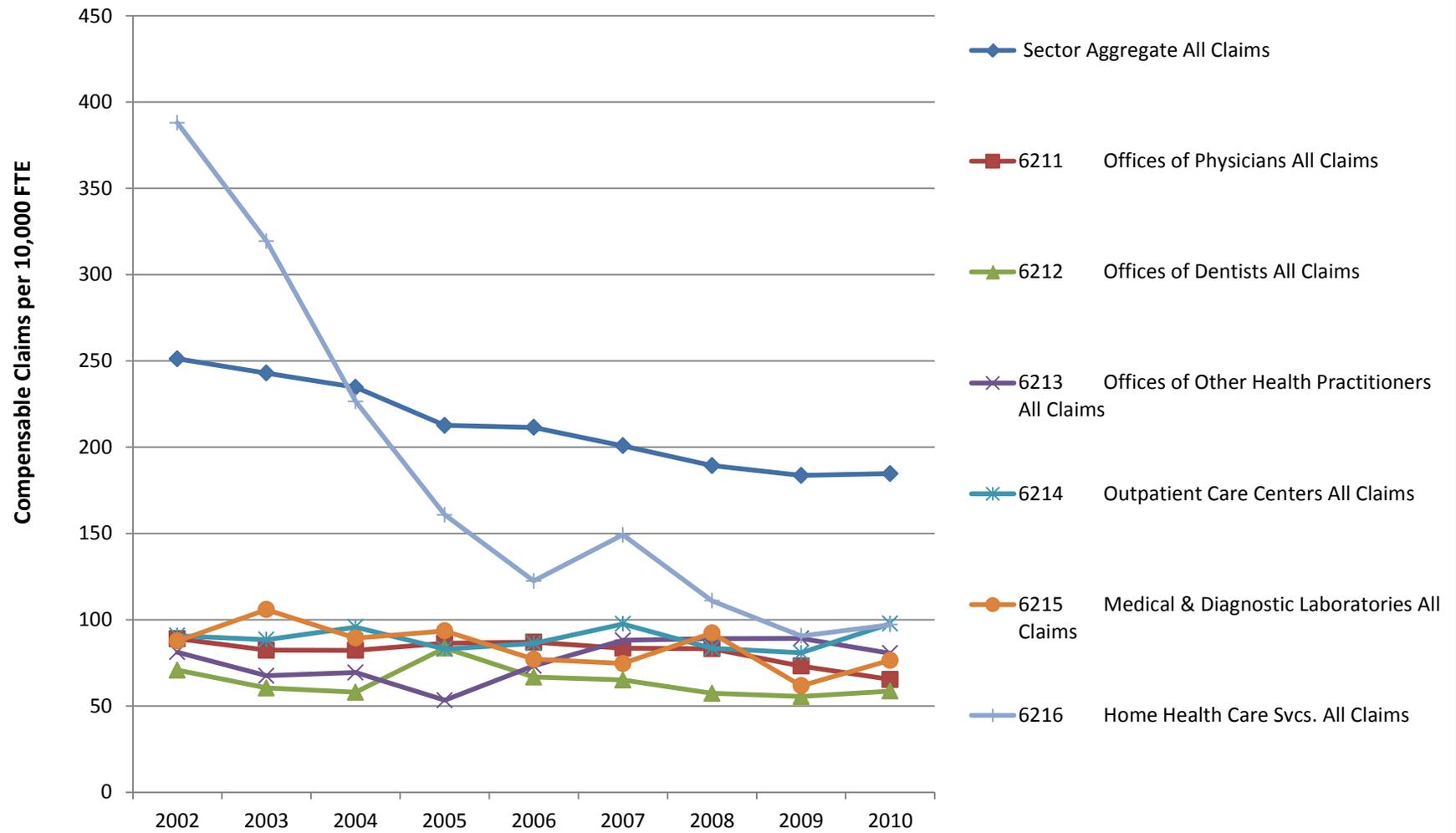
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 81-88)**



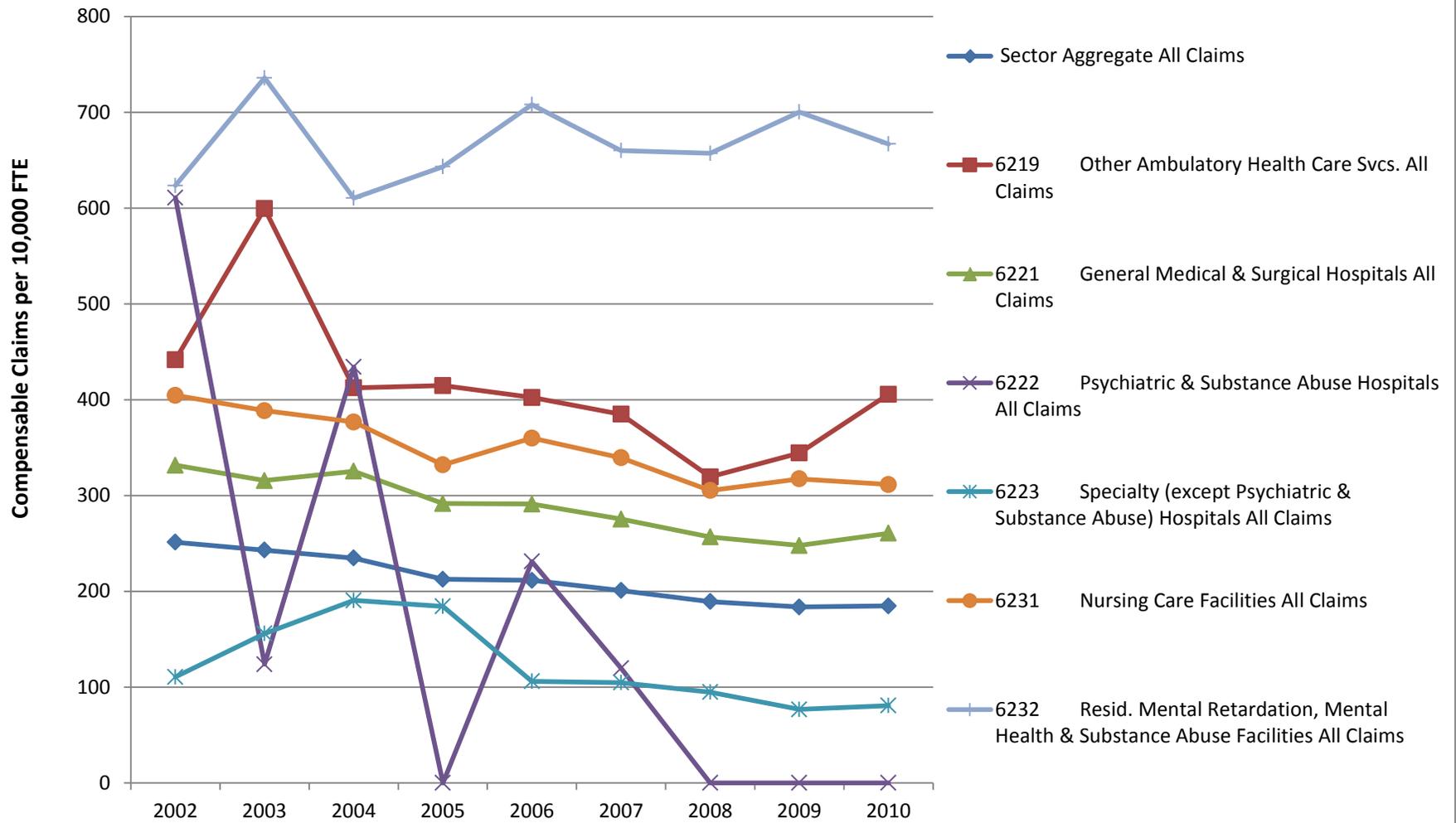
**Figure 1A. Services: Washington Compensable Claims Rates 2002-2010.
(All Claims, 89-95)**



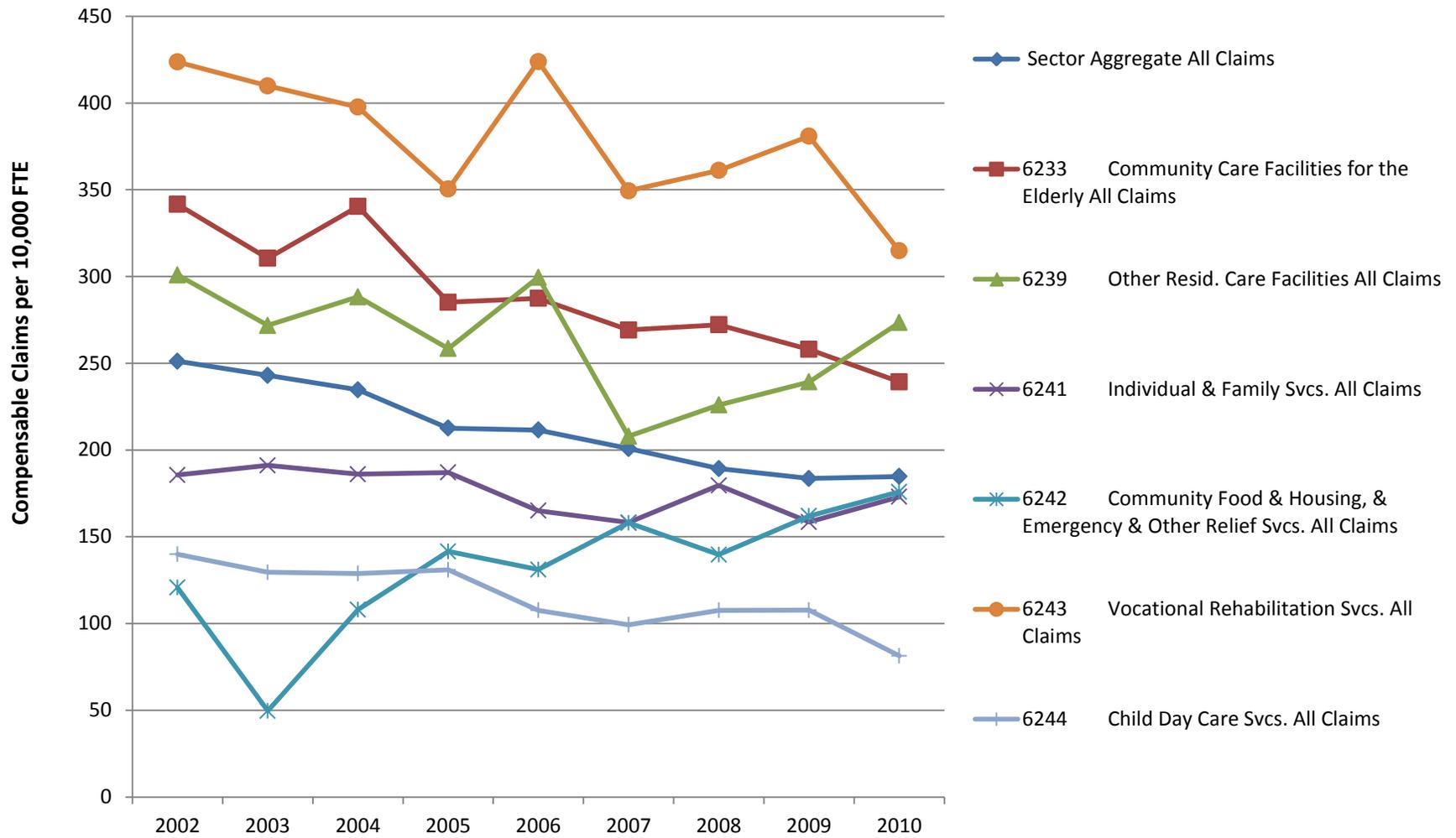
**Figure 1A. Healthcare: Washington Compensable Claims Rates 2002-2010.
(All Claims, 1-6)**



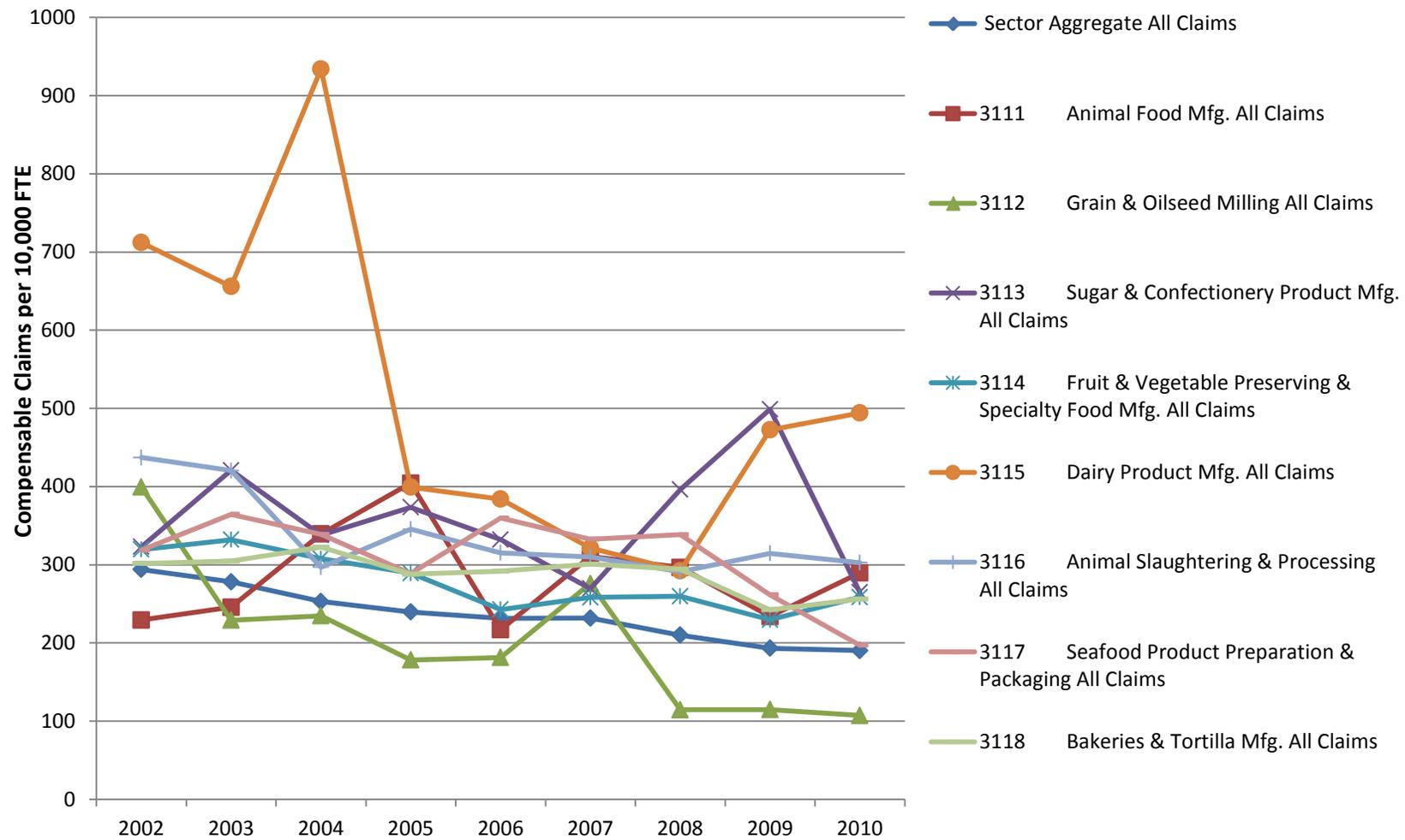
**Figure 1A. Healthcare: Washington Compensable Claims Rates 2002-2010.
(All Claims, 7-12)**



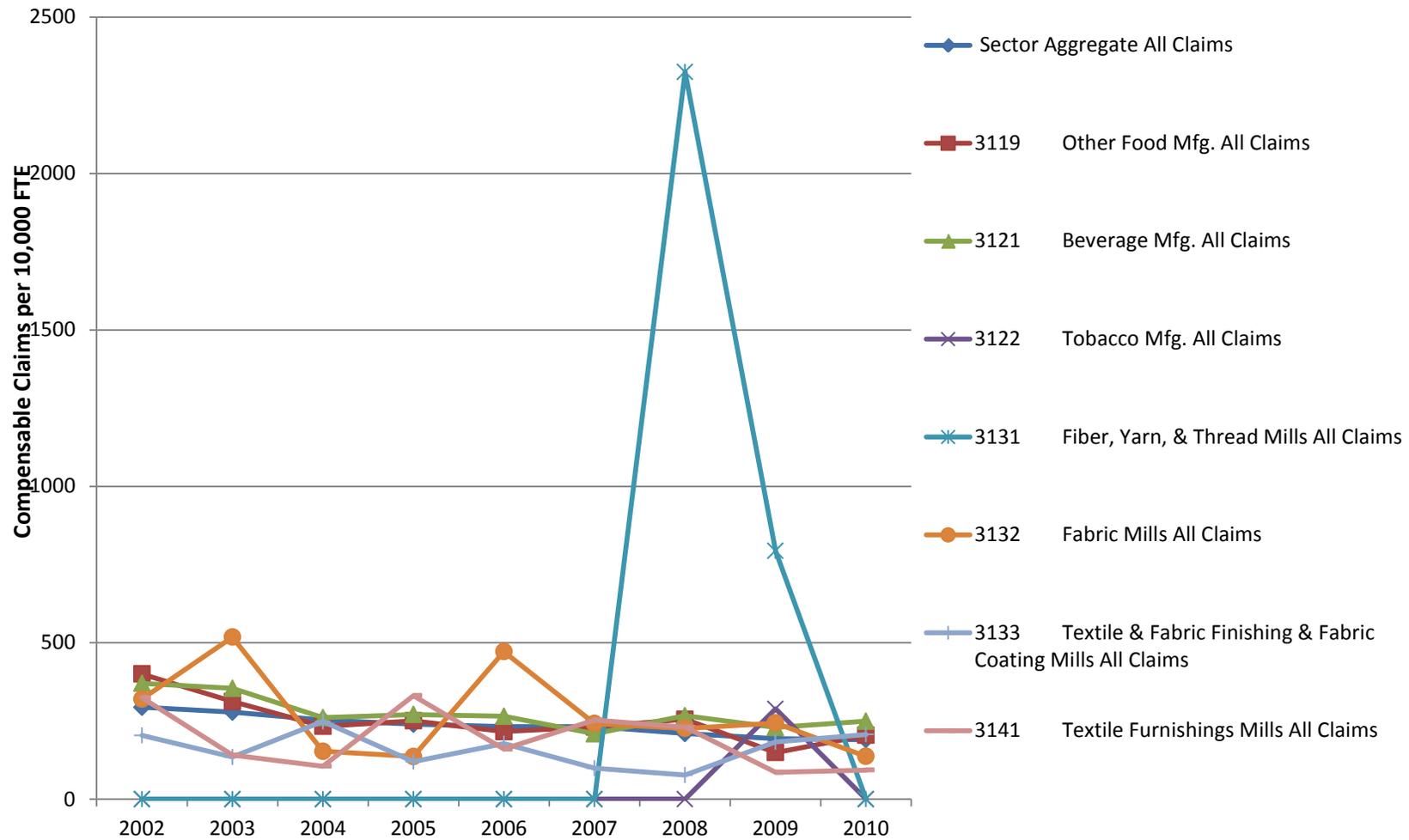
**Figure 1A. Healthcare: Washington Compensable Claims Rates 2002-2010.
(All Claims, 13-18)**



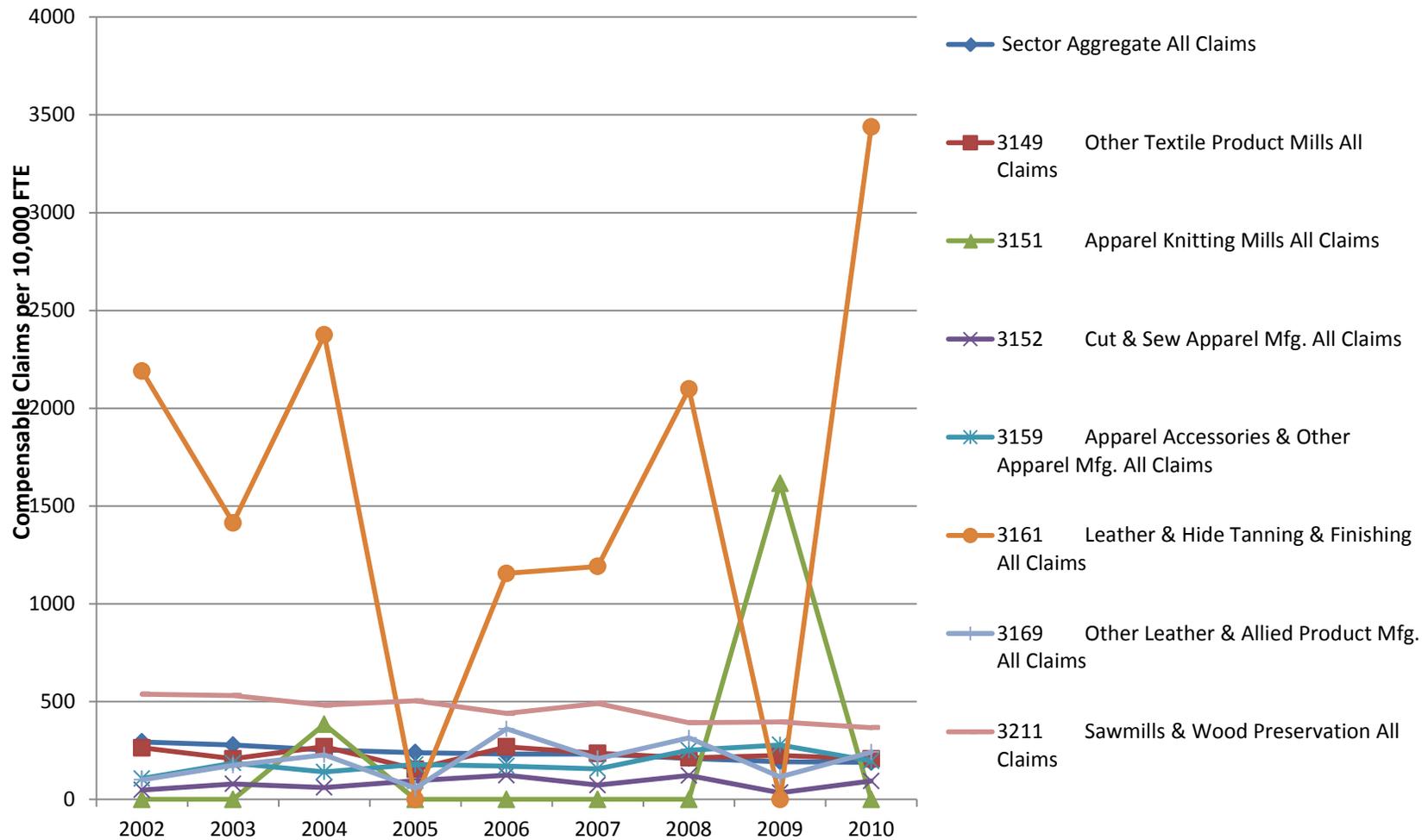
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 1-8)**



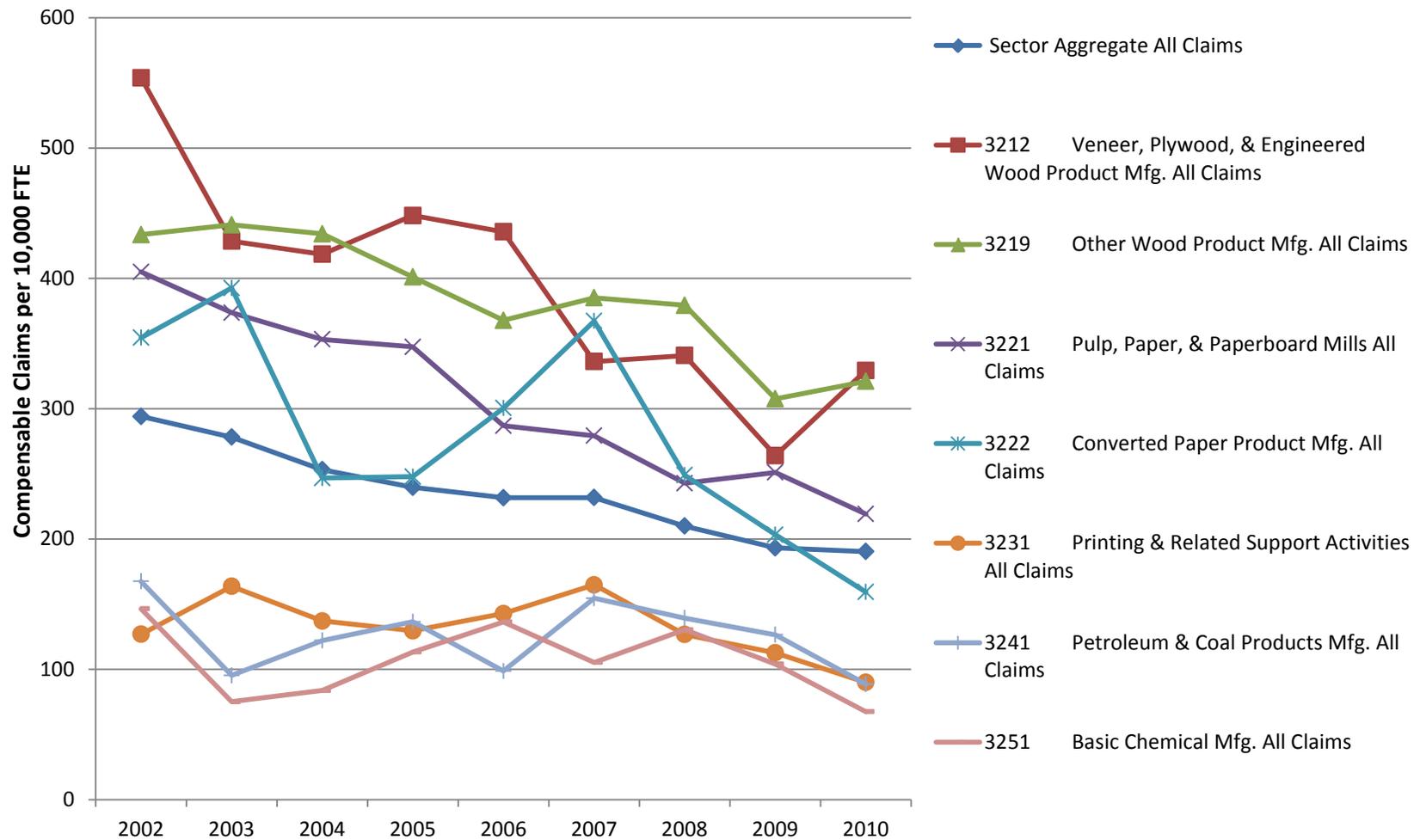
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 9-15)**



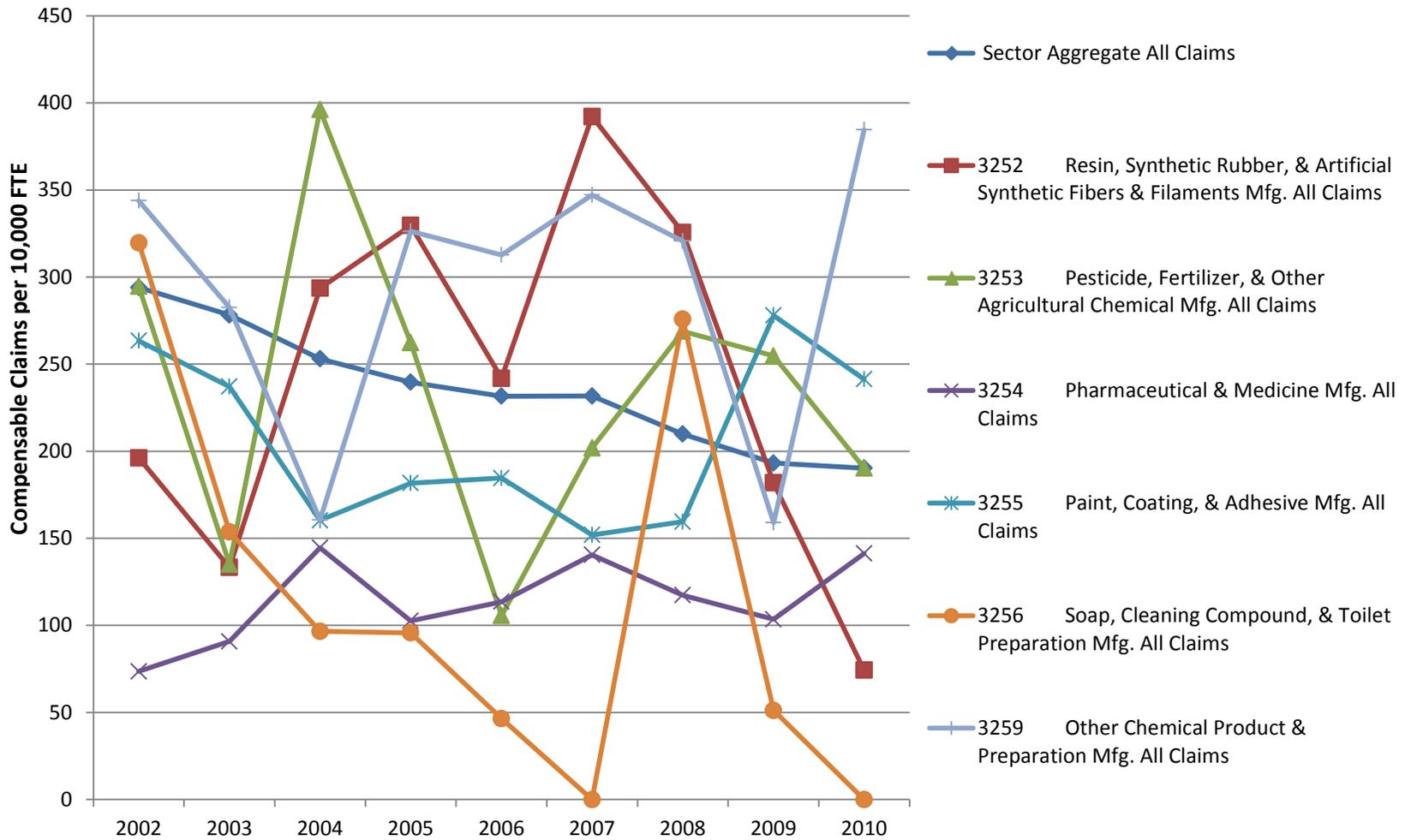
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 16-22)**



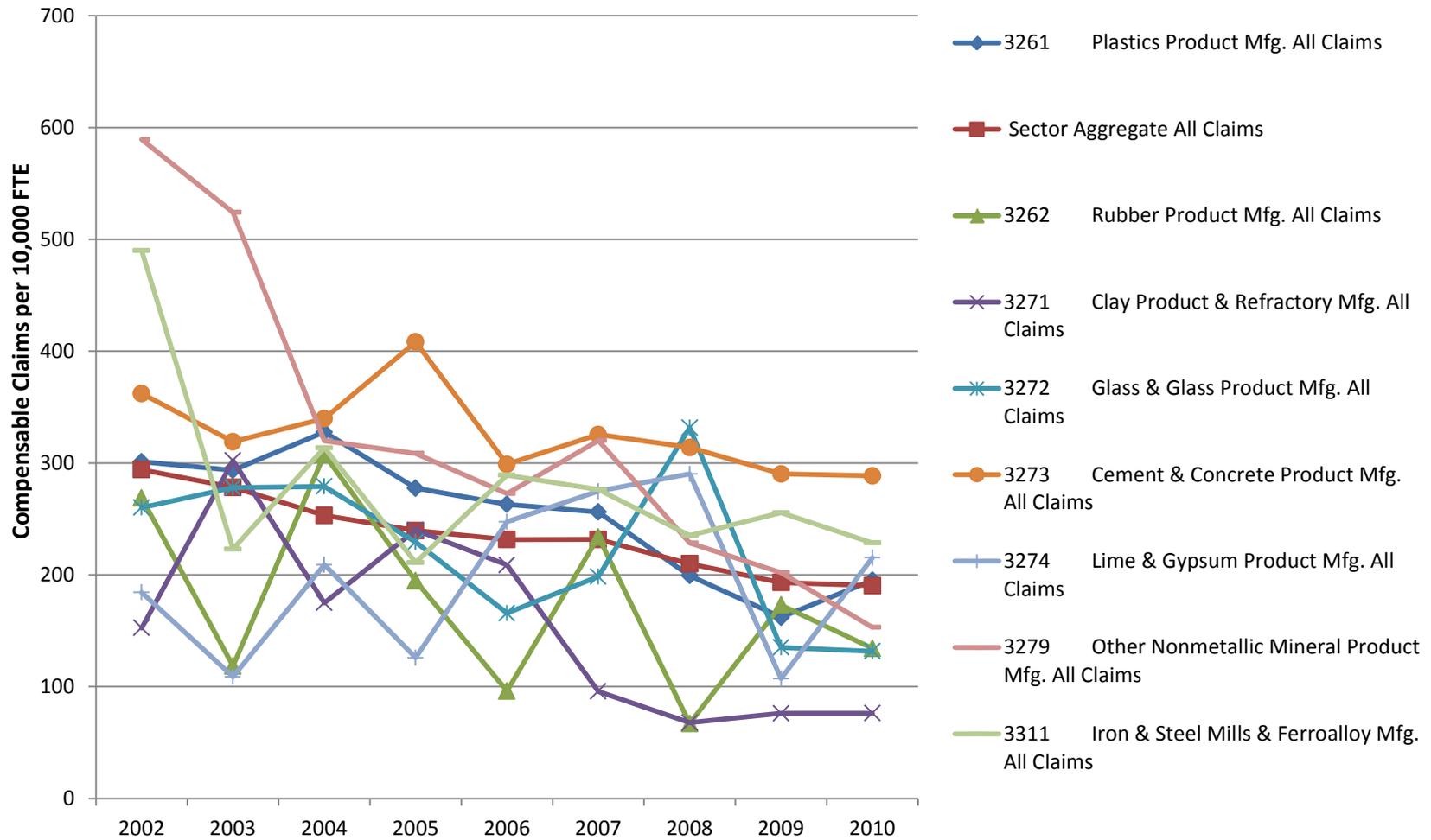
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 23-29)**



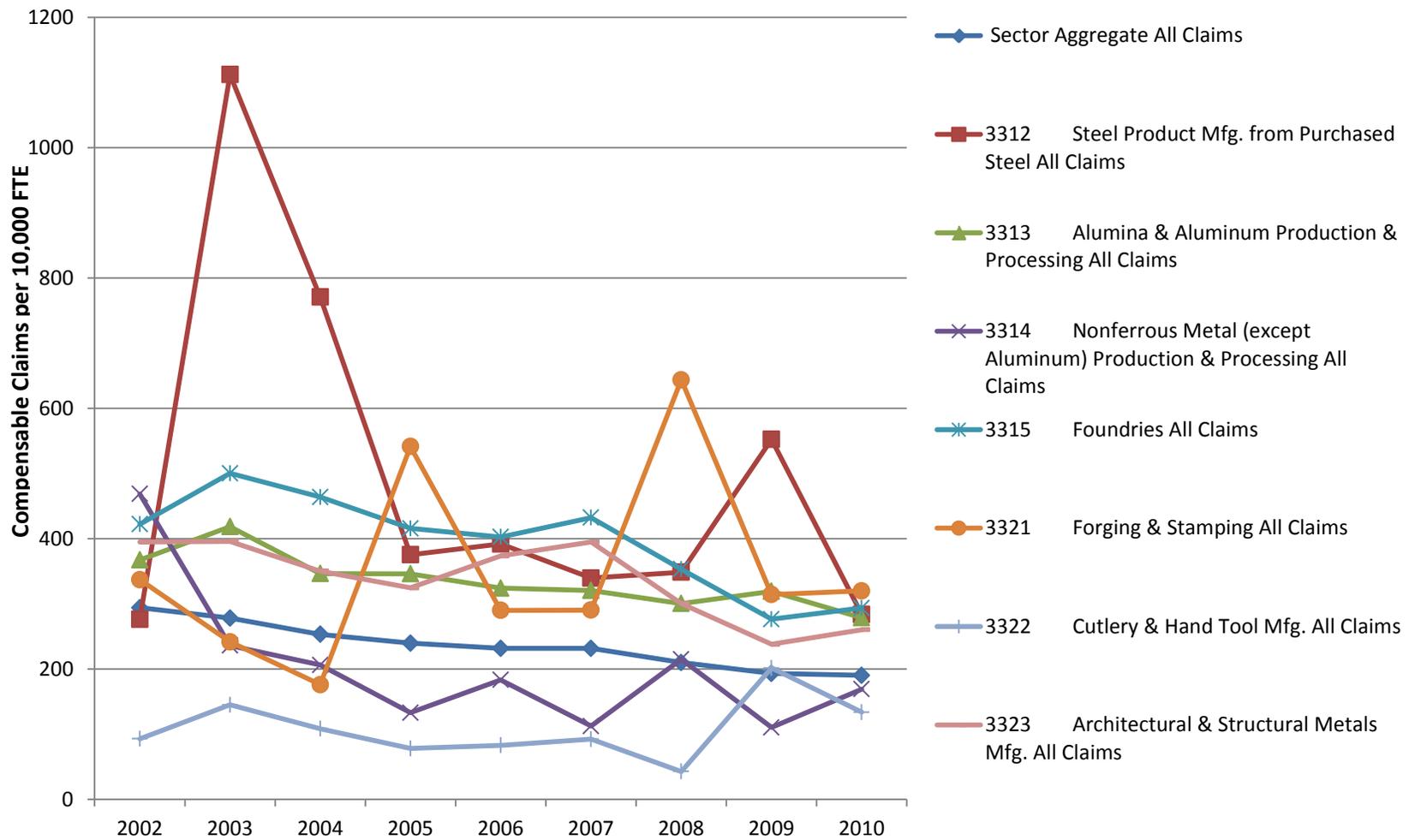
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 30-35)**



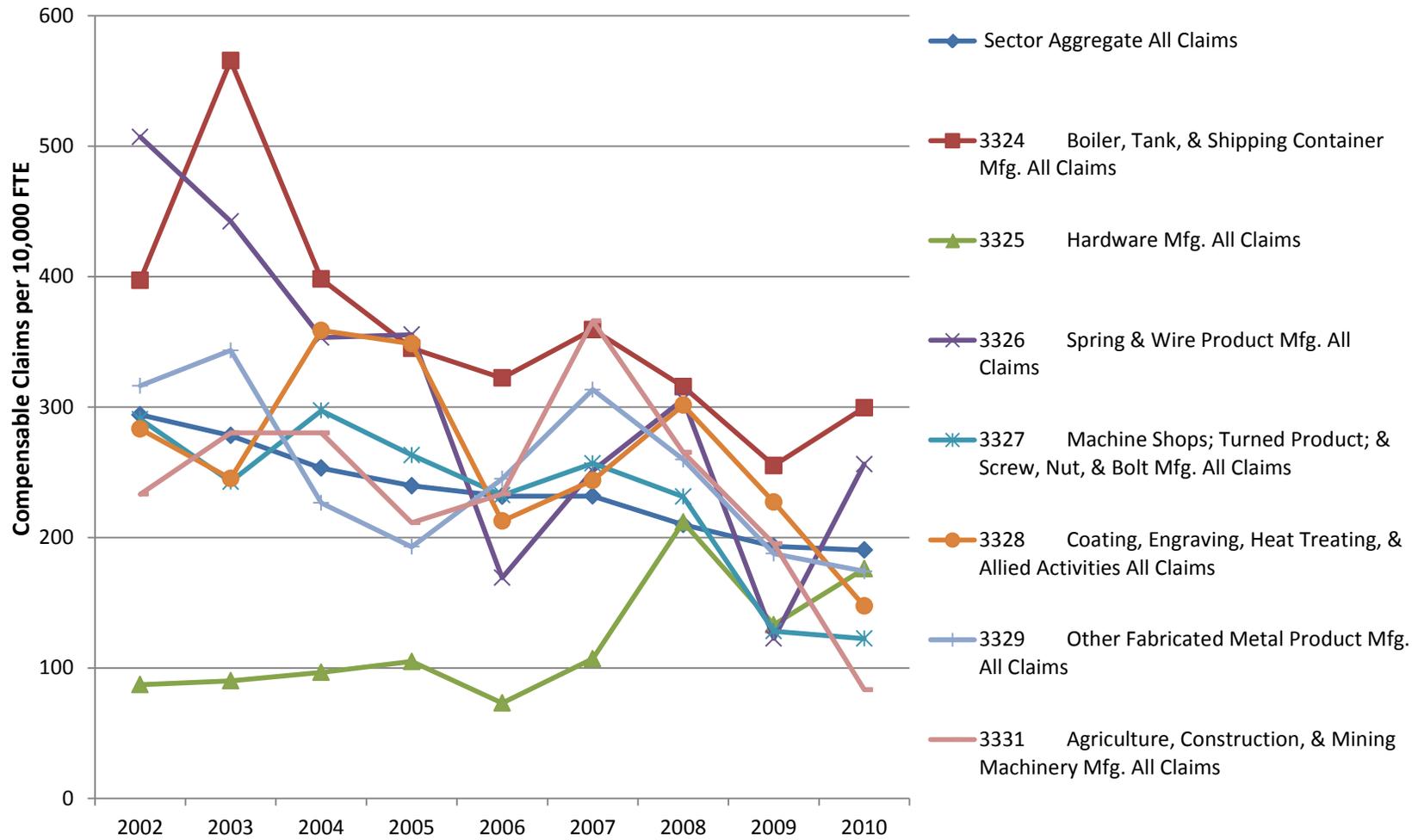
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 36-43)**



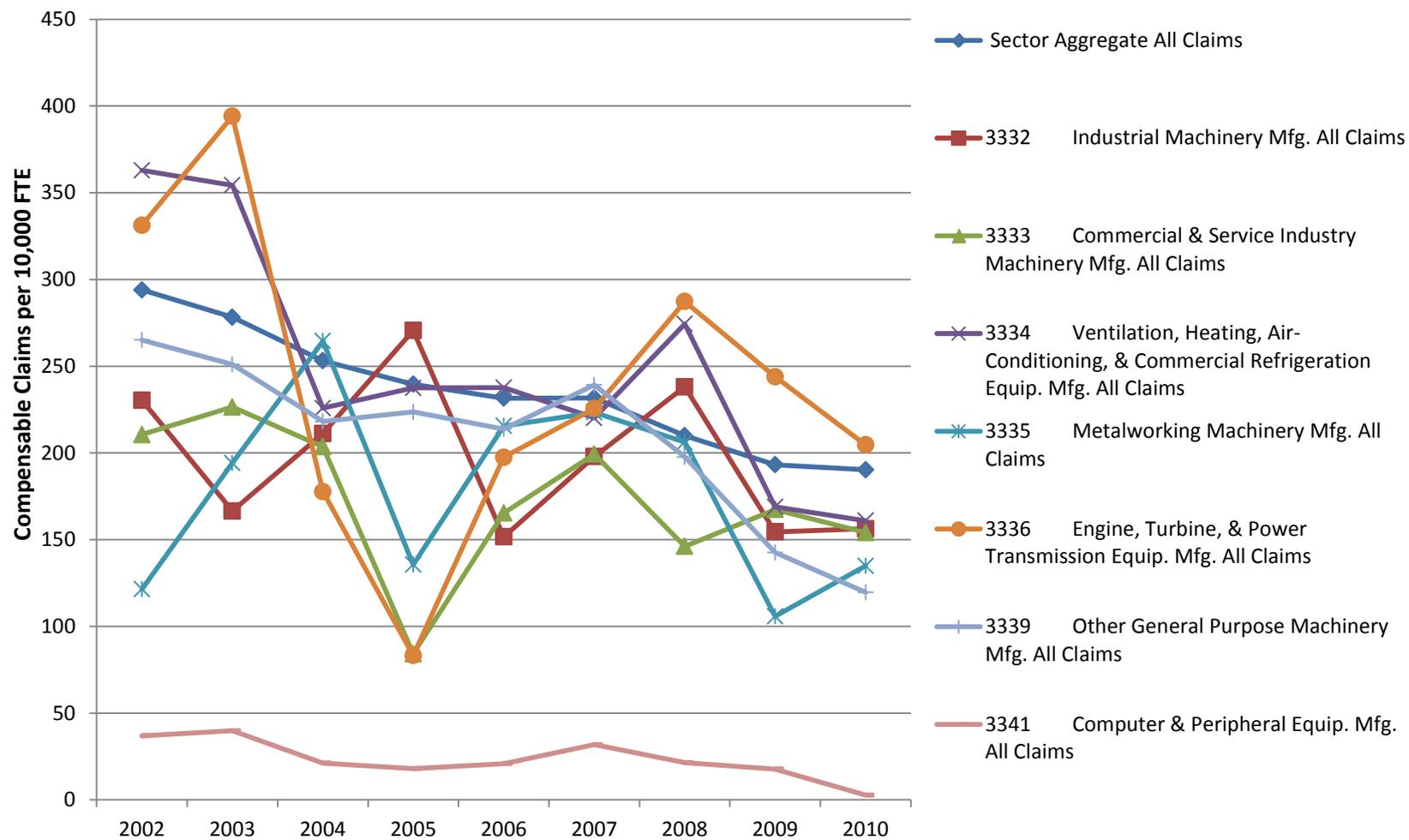
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 44-50)**



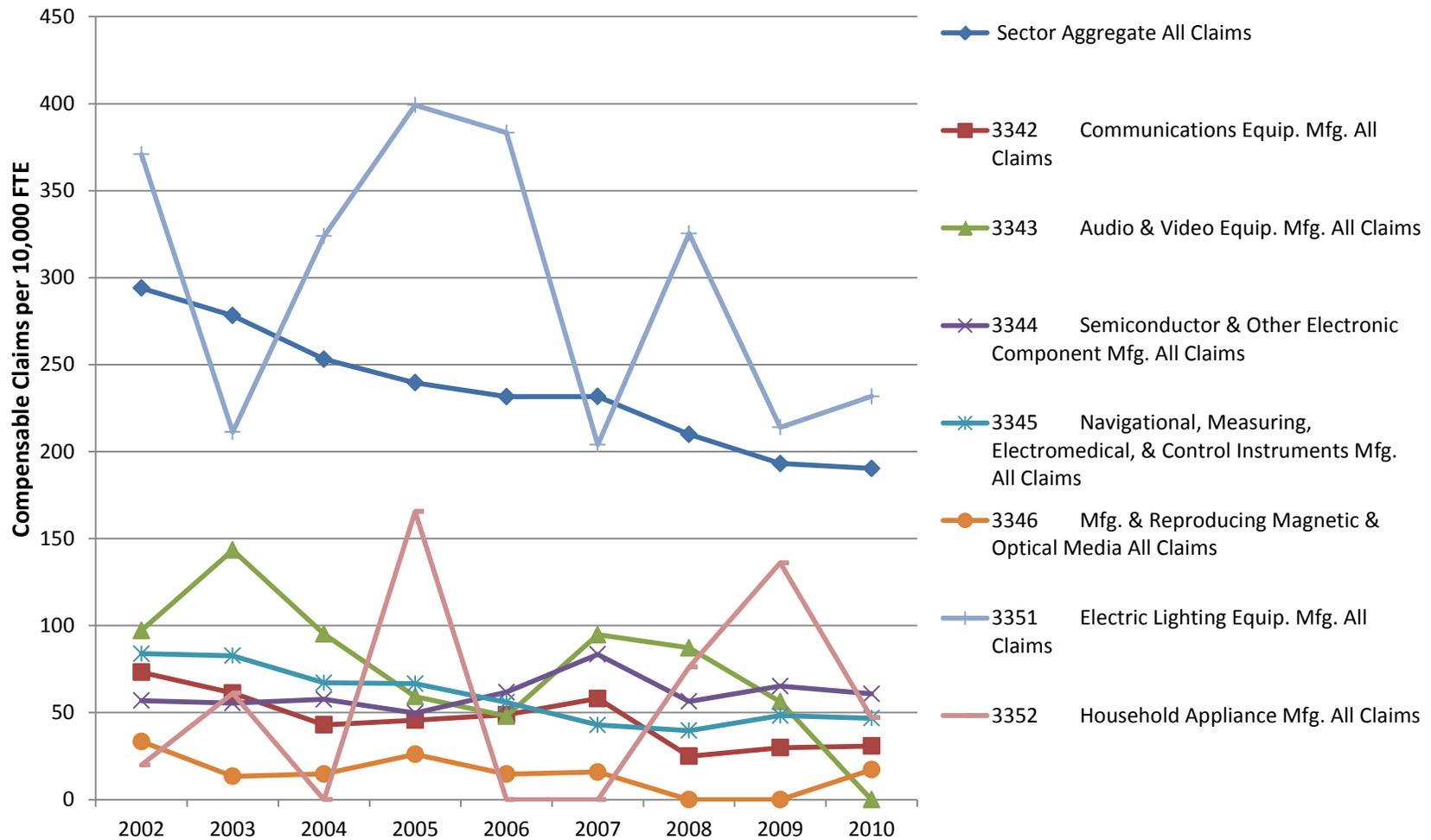
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 51-57)**



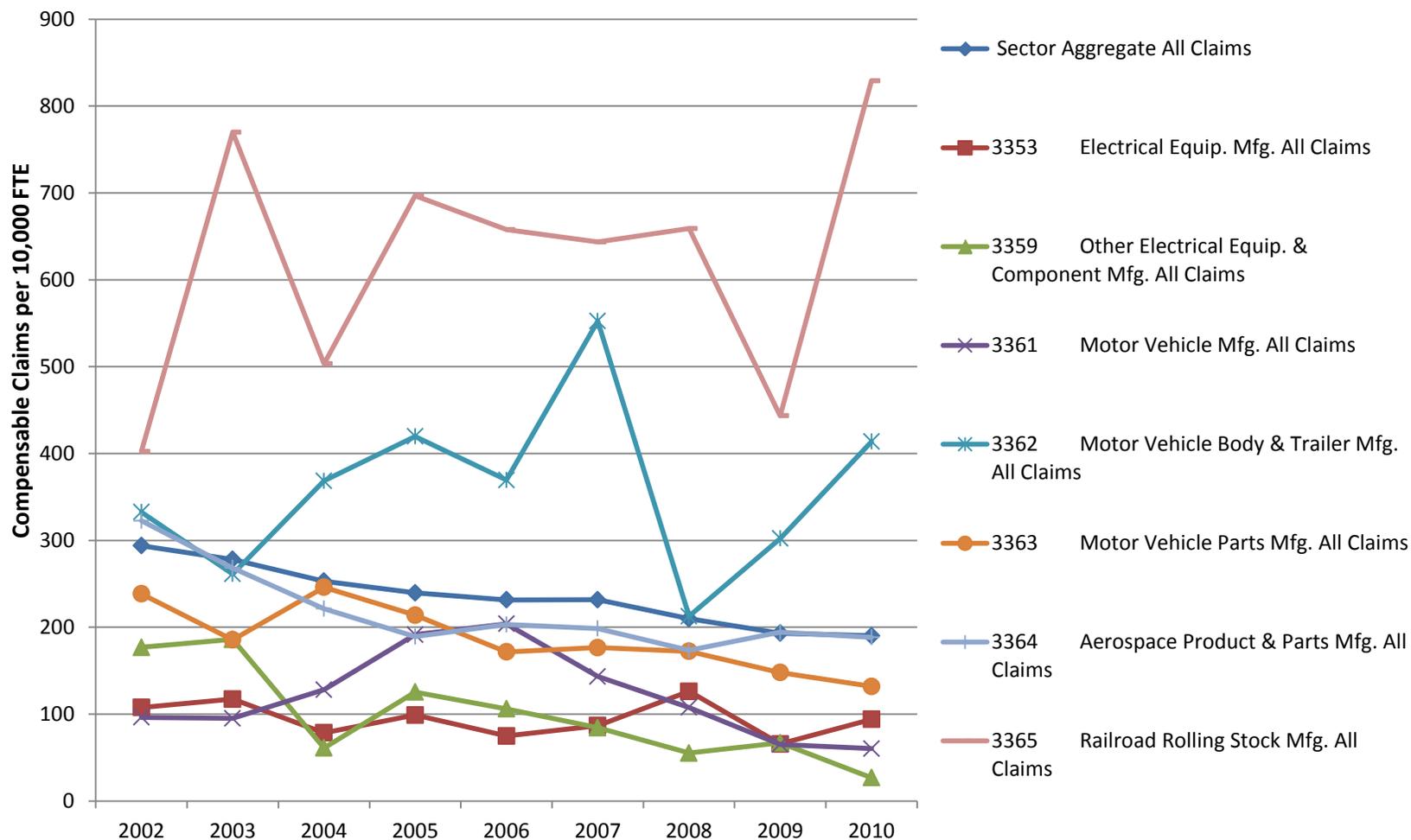
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 58-64)**



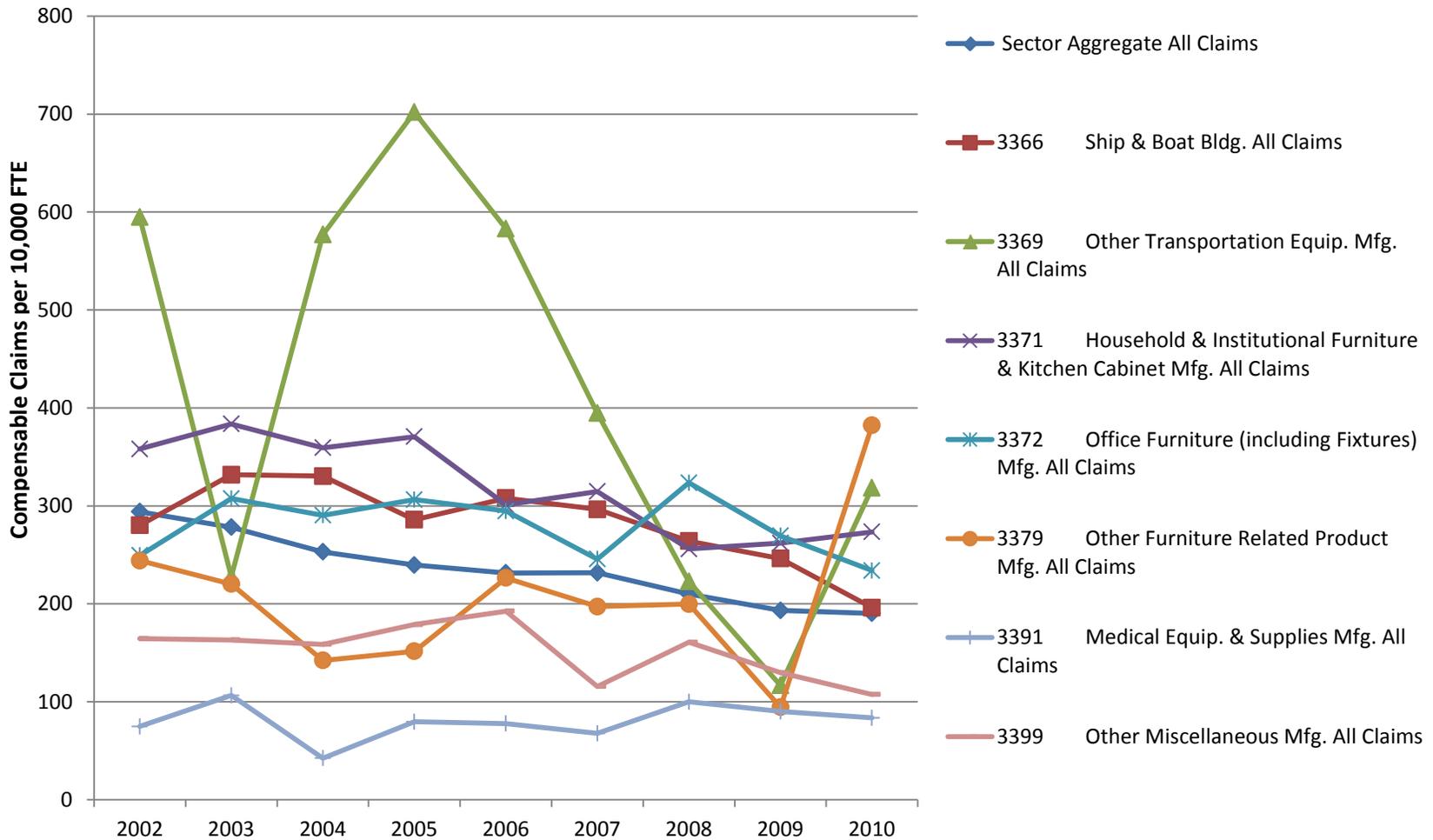
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 65-71)**



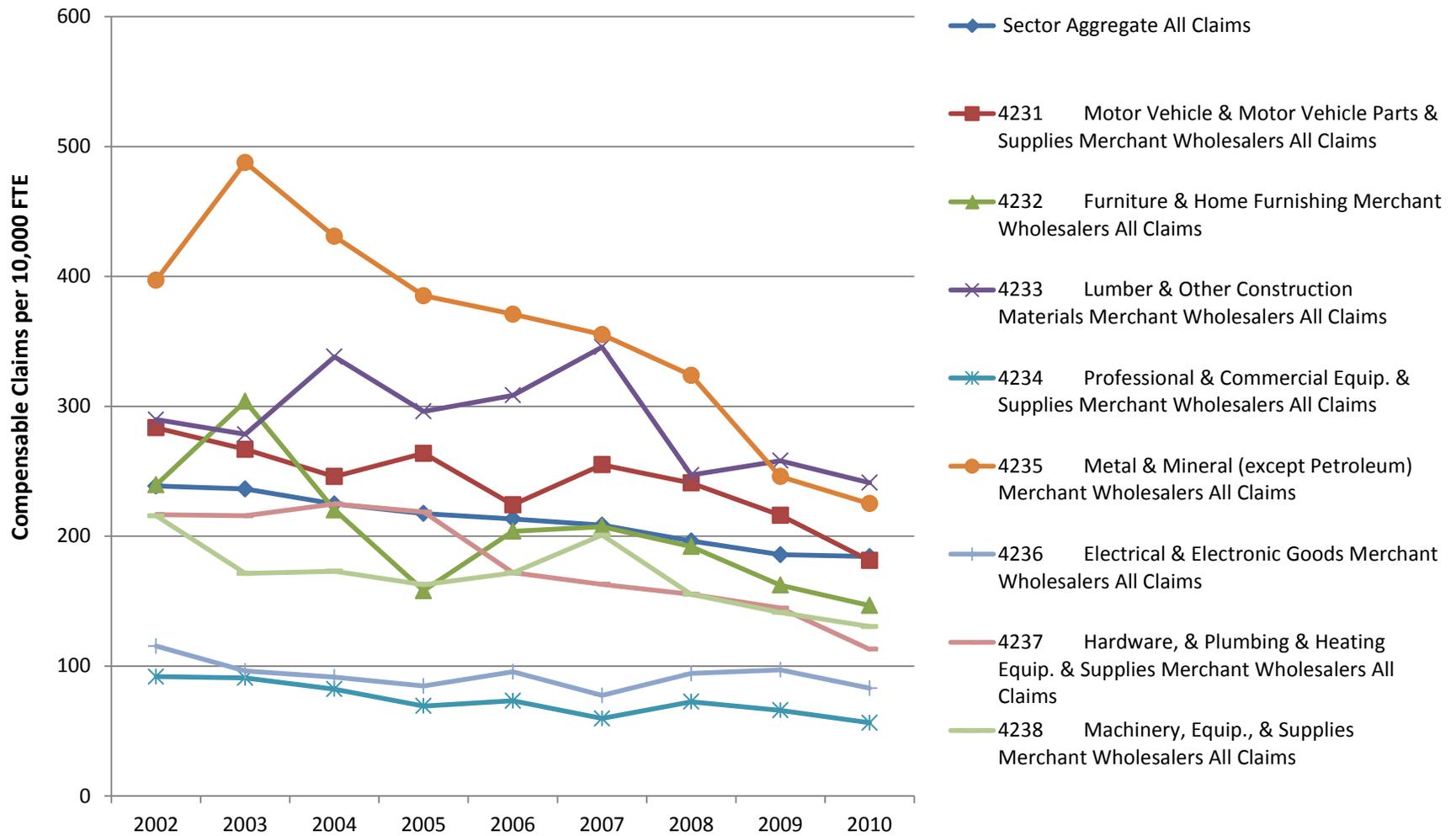
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 72-78)**



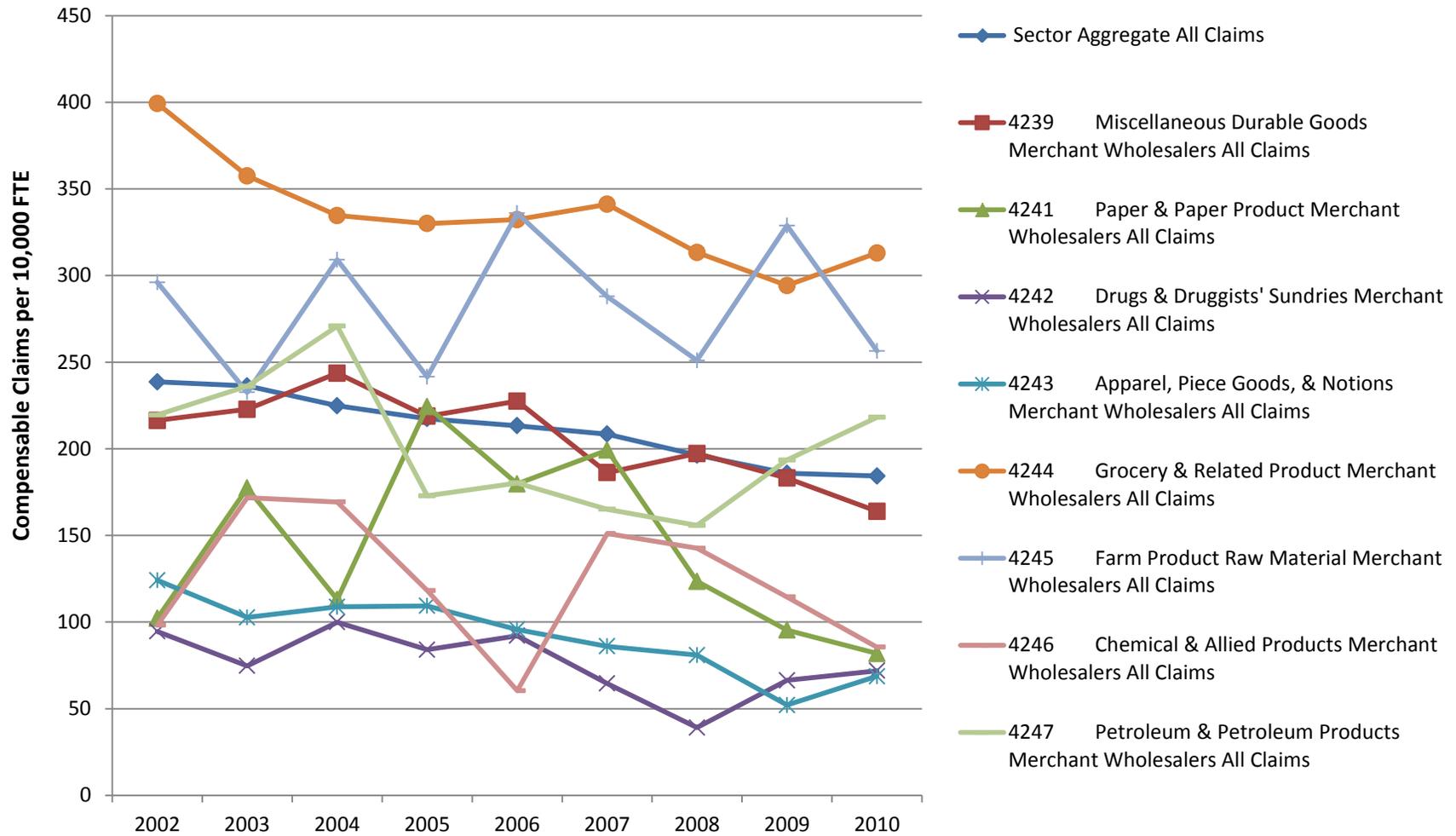
**Figure 1A. Manufacturing: Washington Compensable Claims Rates 2002-2010.
(All Claims, 79-85)**



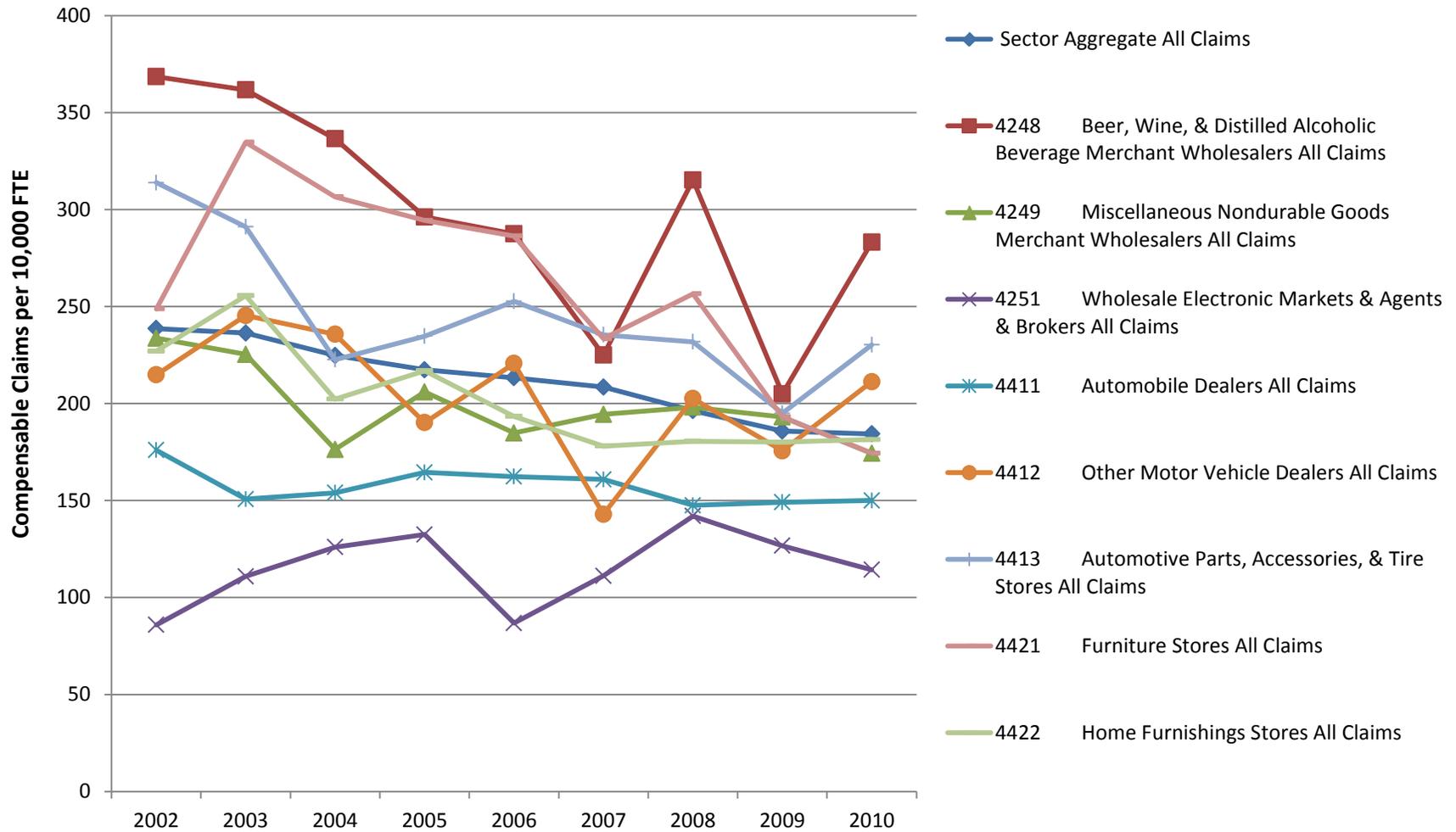
**Figure 1A. Trade: Washington Compensable Claims Rates 2002-2010.
(All Claims, 1-8)**



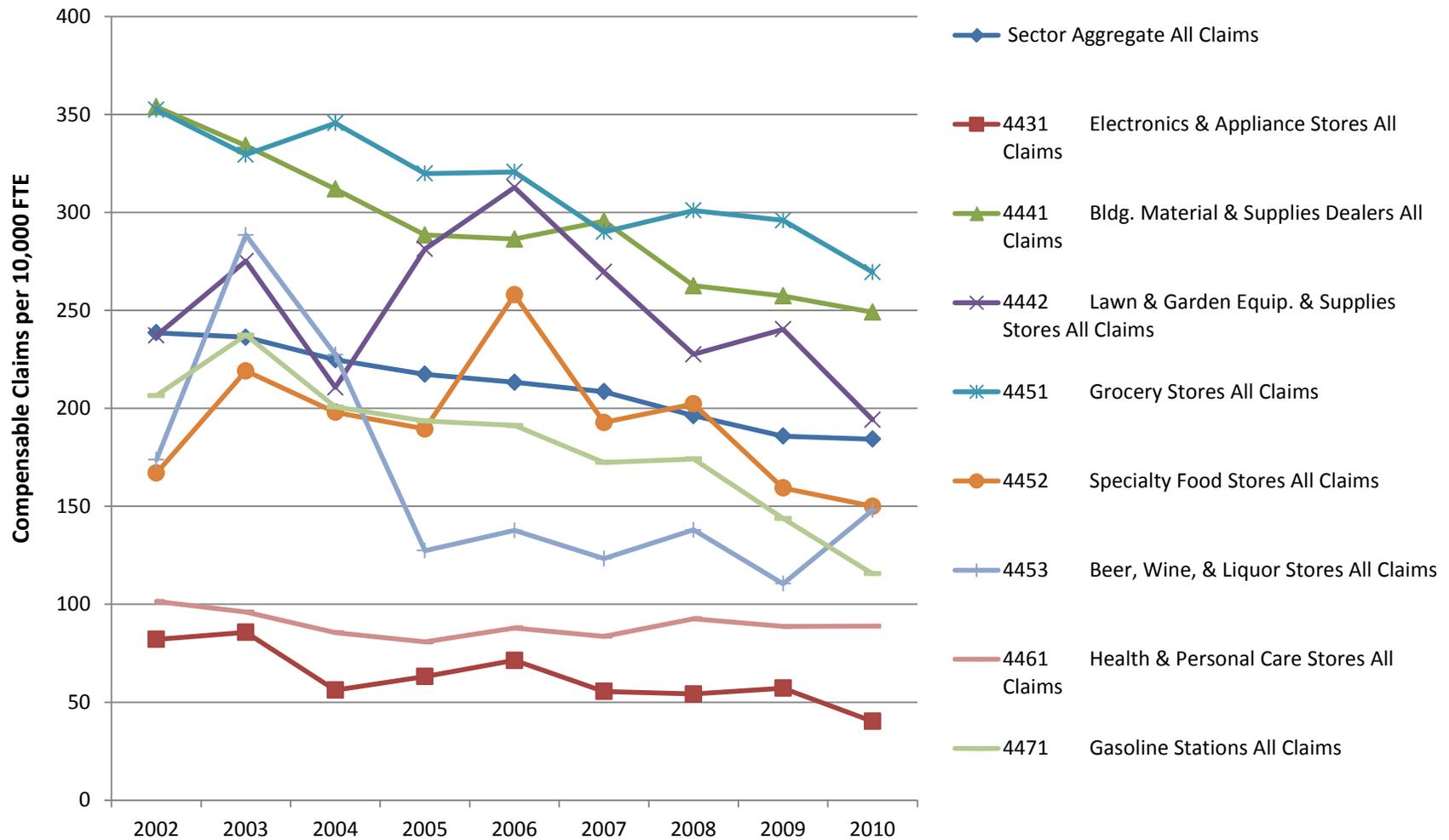
**Figure 1A. Trade: Washington Compensable Claims Rates 2002-2010.
(All Claims, 9-16)**



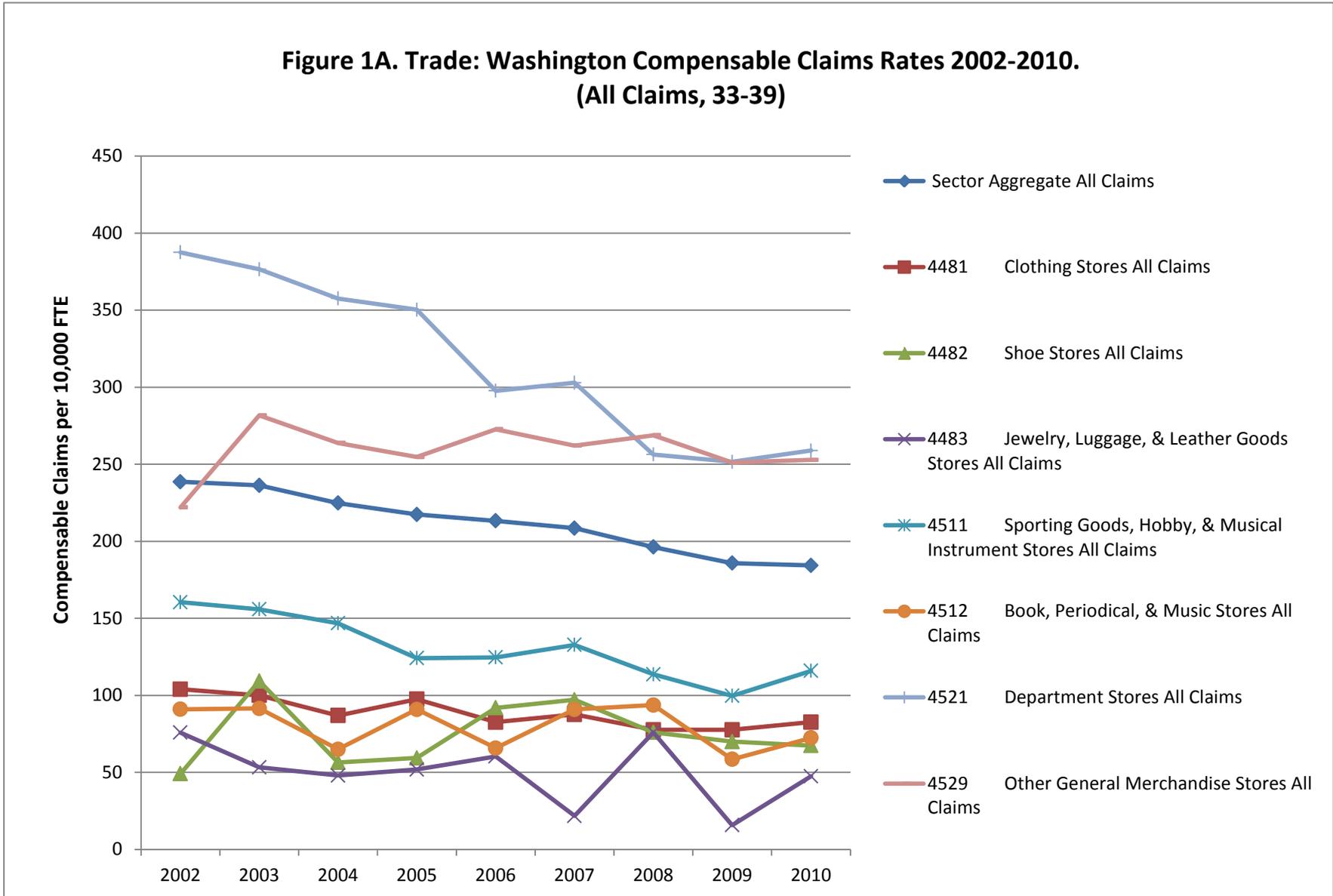
**Figure 1A. Trade: Washington Compensable Claims Rates 2002-2010.
(All Claims, 17-24)**



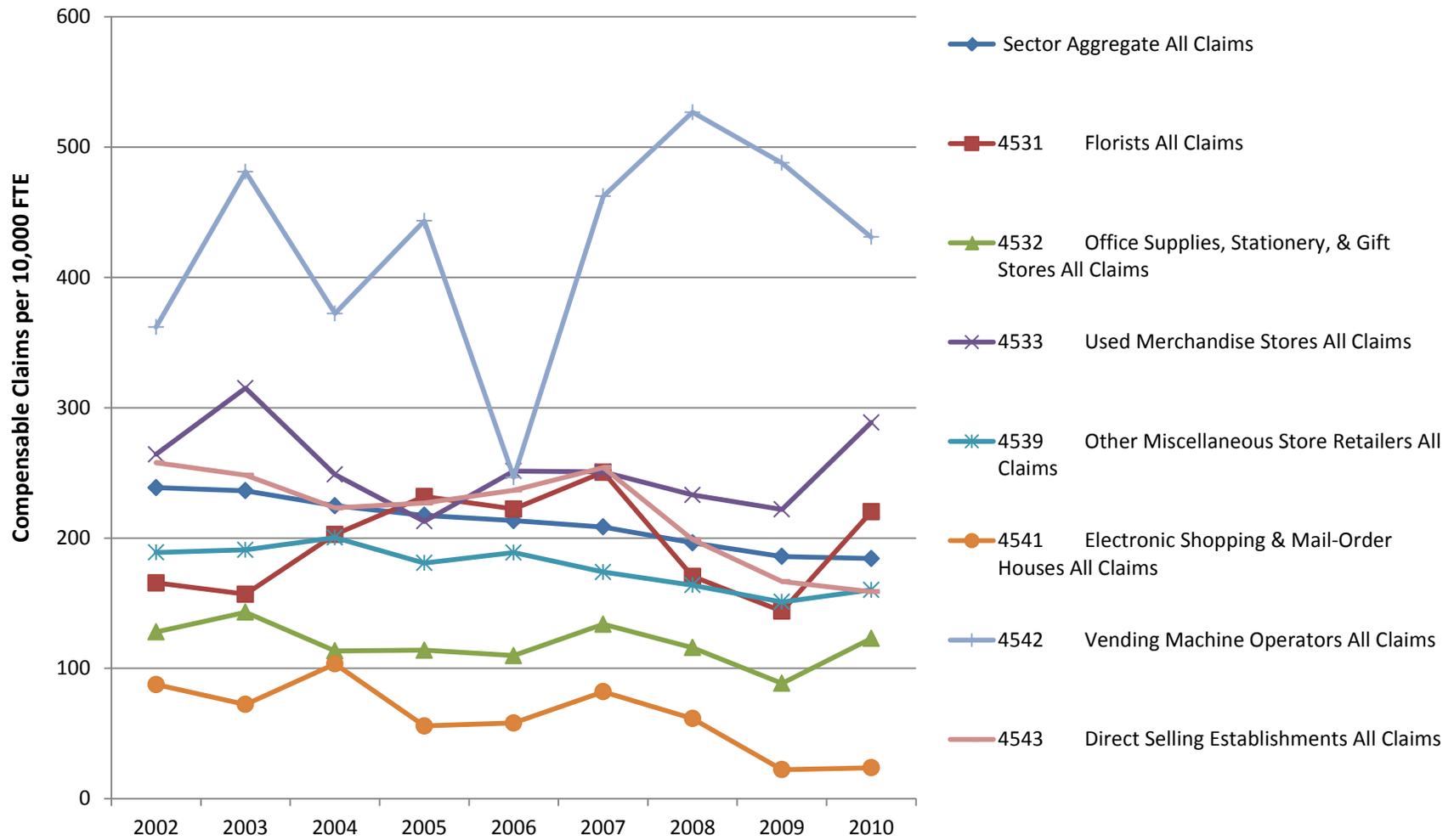
**Figure 1A. Trade: Washington Compensable Claims Rates 2002-2010.
(All Claims, 25-32)**



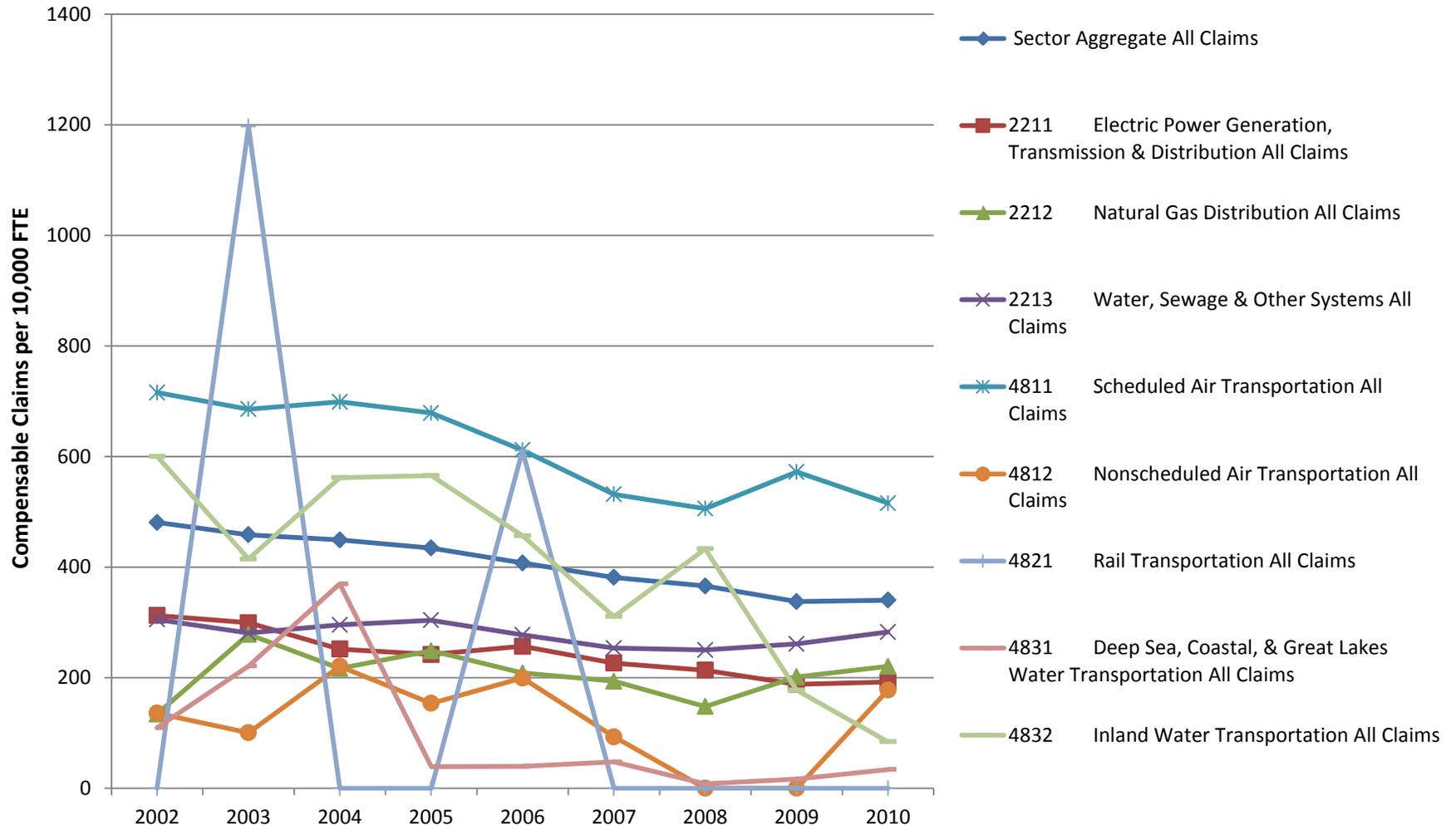
**Figure 1A. Trade: Washington Compensable Claims Rates 2002-2010.
(All Claims, 33-39)**



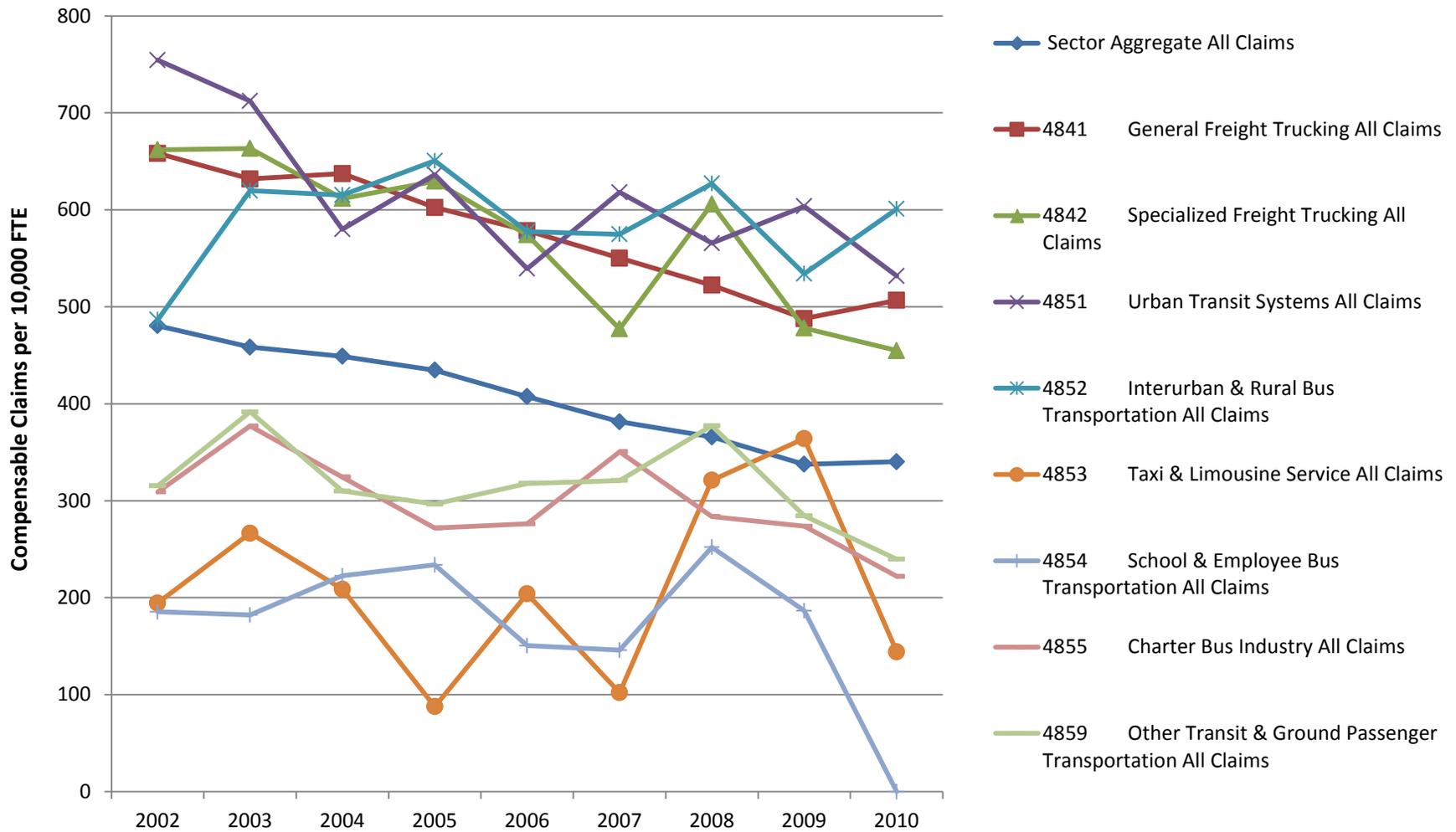
**Figure 1A. Trade: Washington Compensable Claims Rates 2002-2010.
(All Claims, 40-46)**



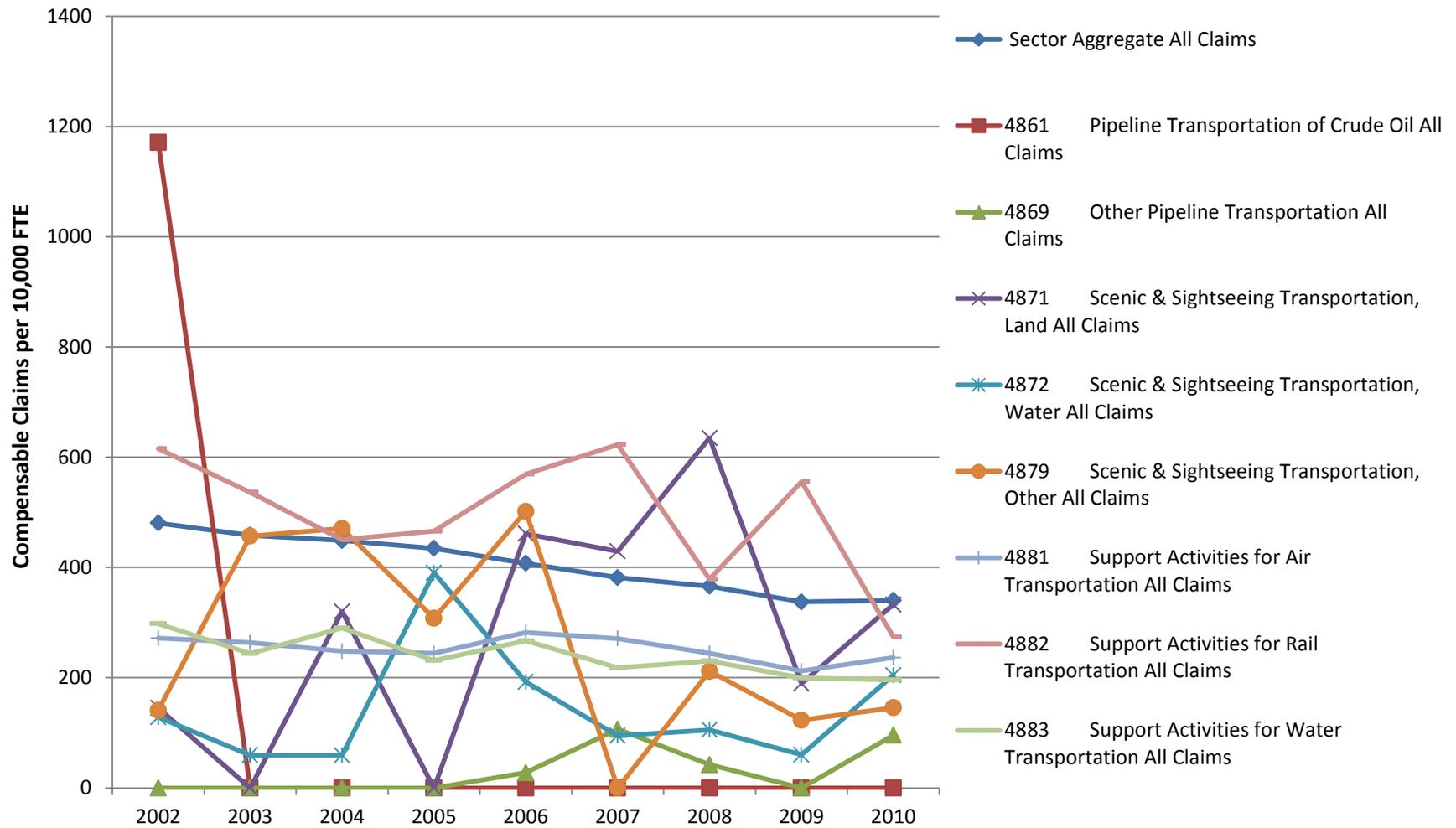
**Figure 1A. Utilities: Washington Compensable Claims Rates 2002-2010.
(All Claims, 1-8)**



**Figure 1A. Utilities: Washington Compensable Claims Rates 2002-2010.
(All Claims, 9-16)**



**Figure 1A. Utilities: Washington Compensable Claims Rates 2002-2010.
(All Claims, 17-24)**



**Figure 1A. Utilities: Washington Compensable Claims Rates 2002-2010.
(All Claims, 25-31)**

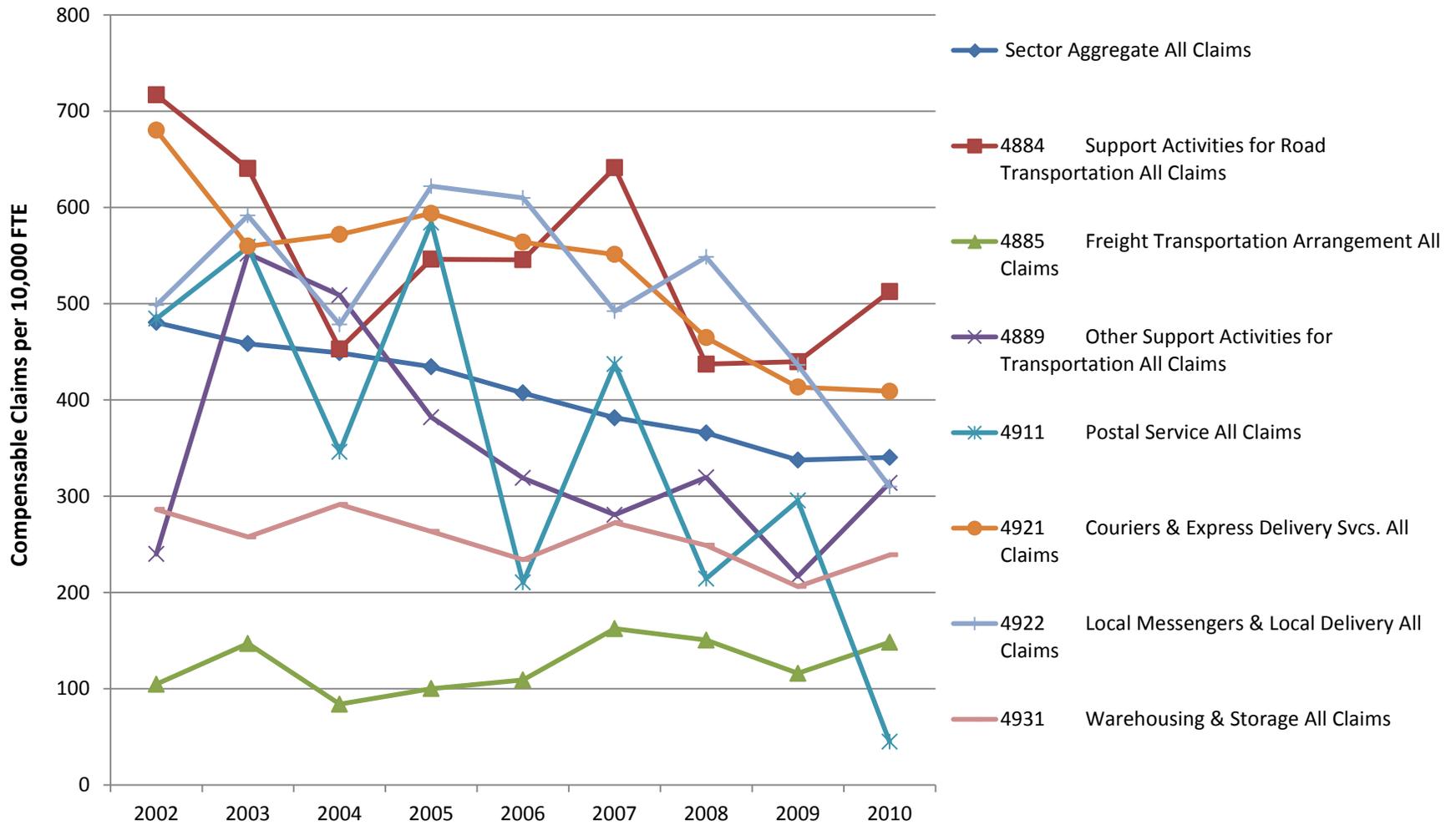


Figure 2. State Fund WMSD, 2002-2010.

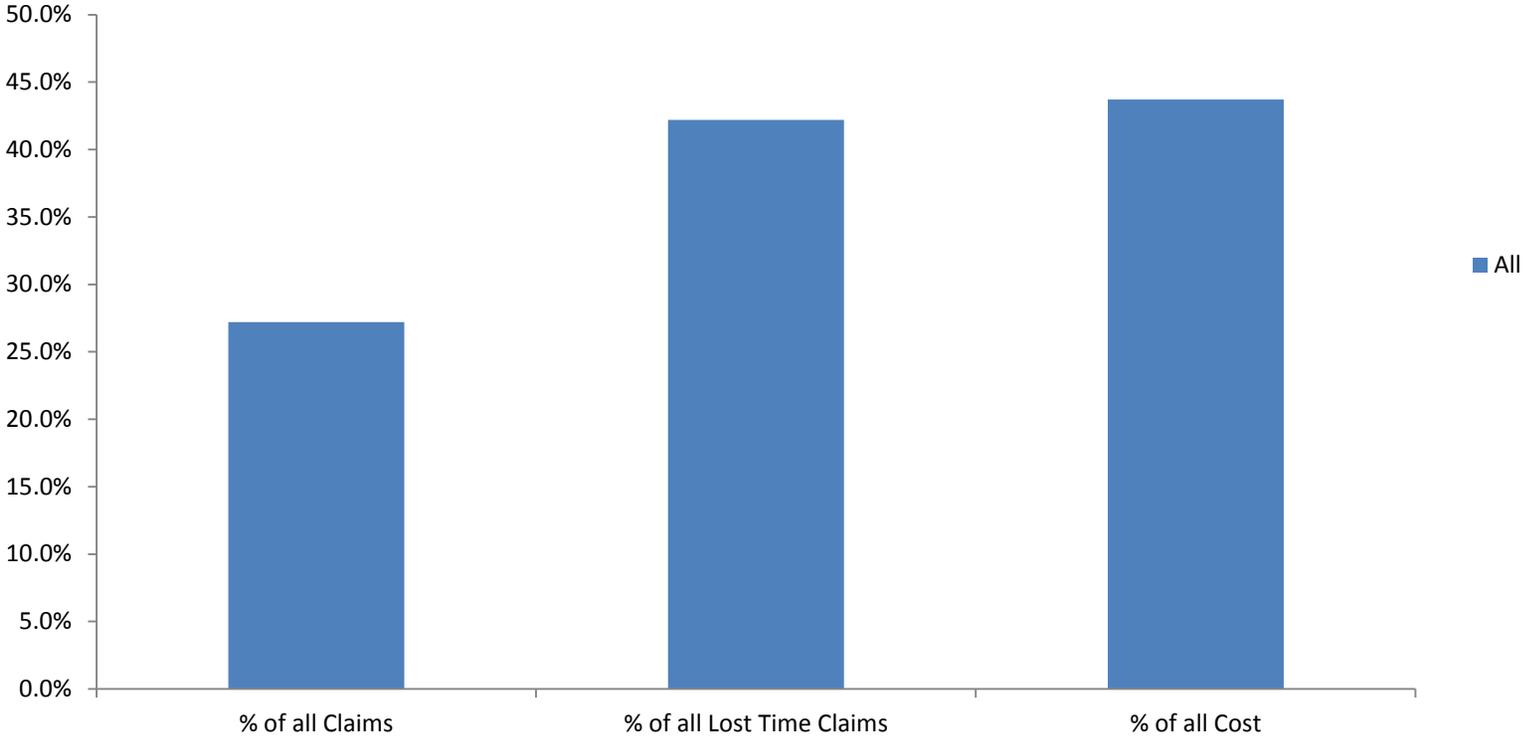


Figure 2. Agriculture: State Fund WMSD, 2002-2010.

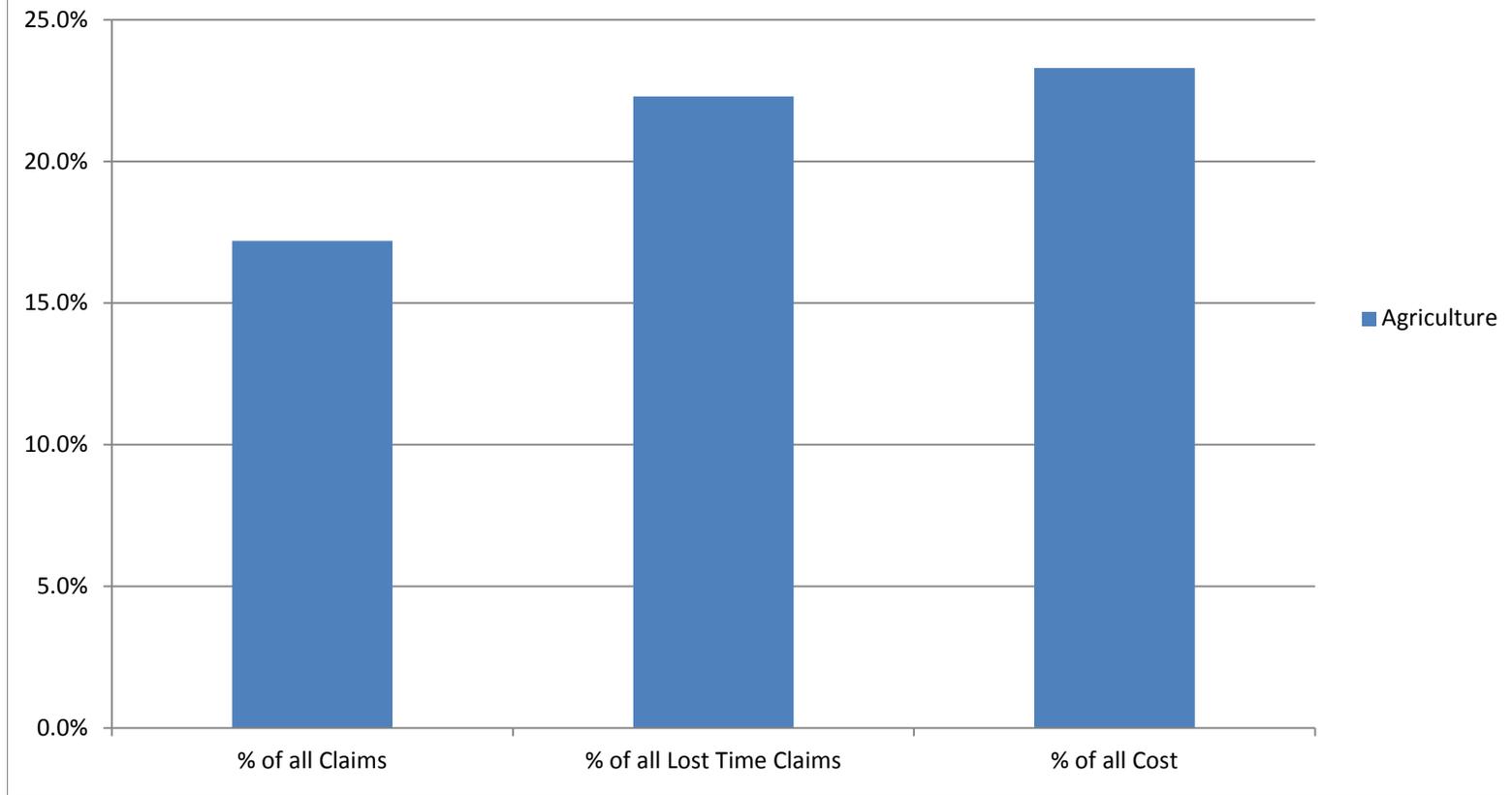


Figure 2. Construction: State Fund WMSD, 2002-2010.

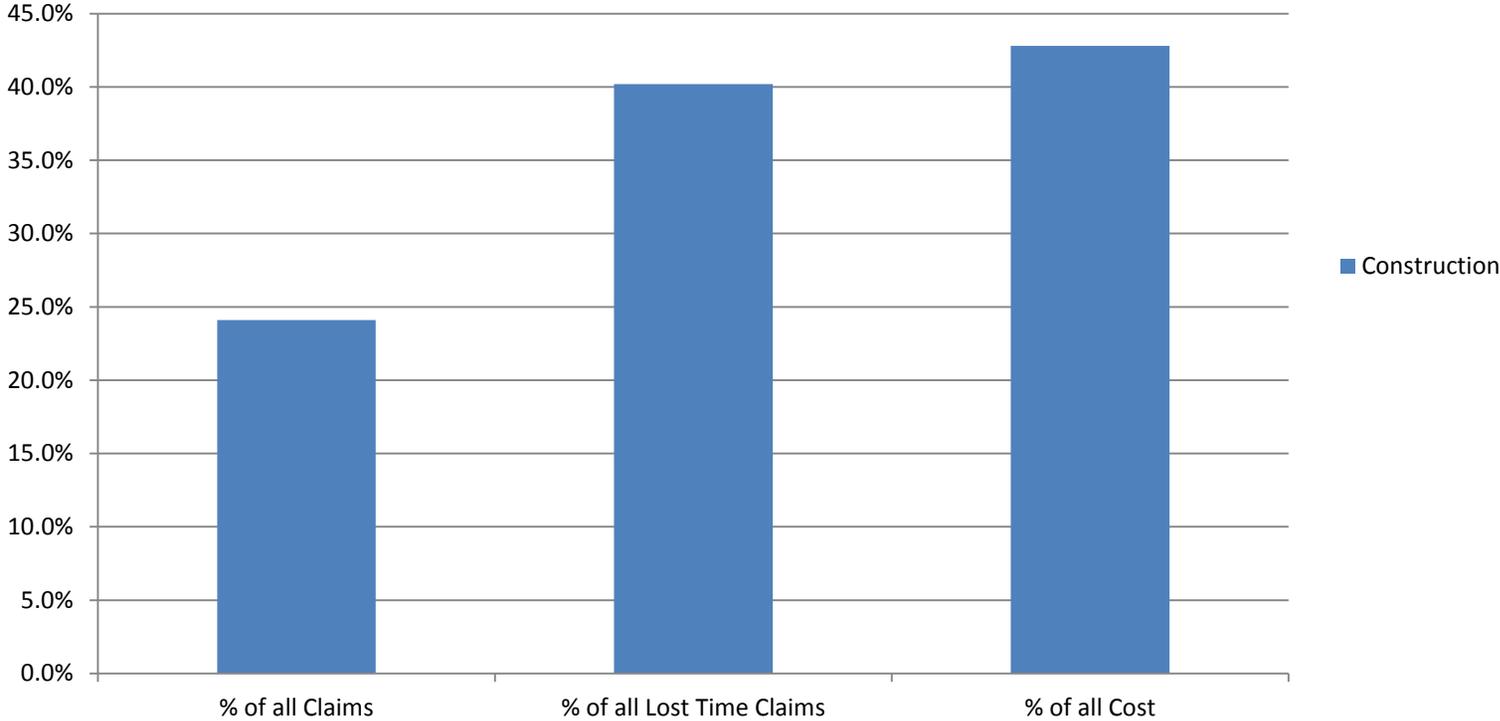


Figure 2. Services: State Fund WMSD, 2002-2010.

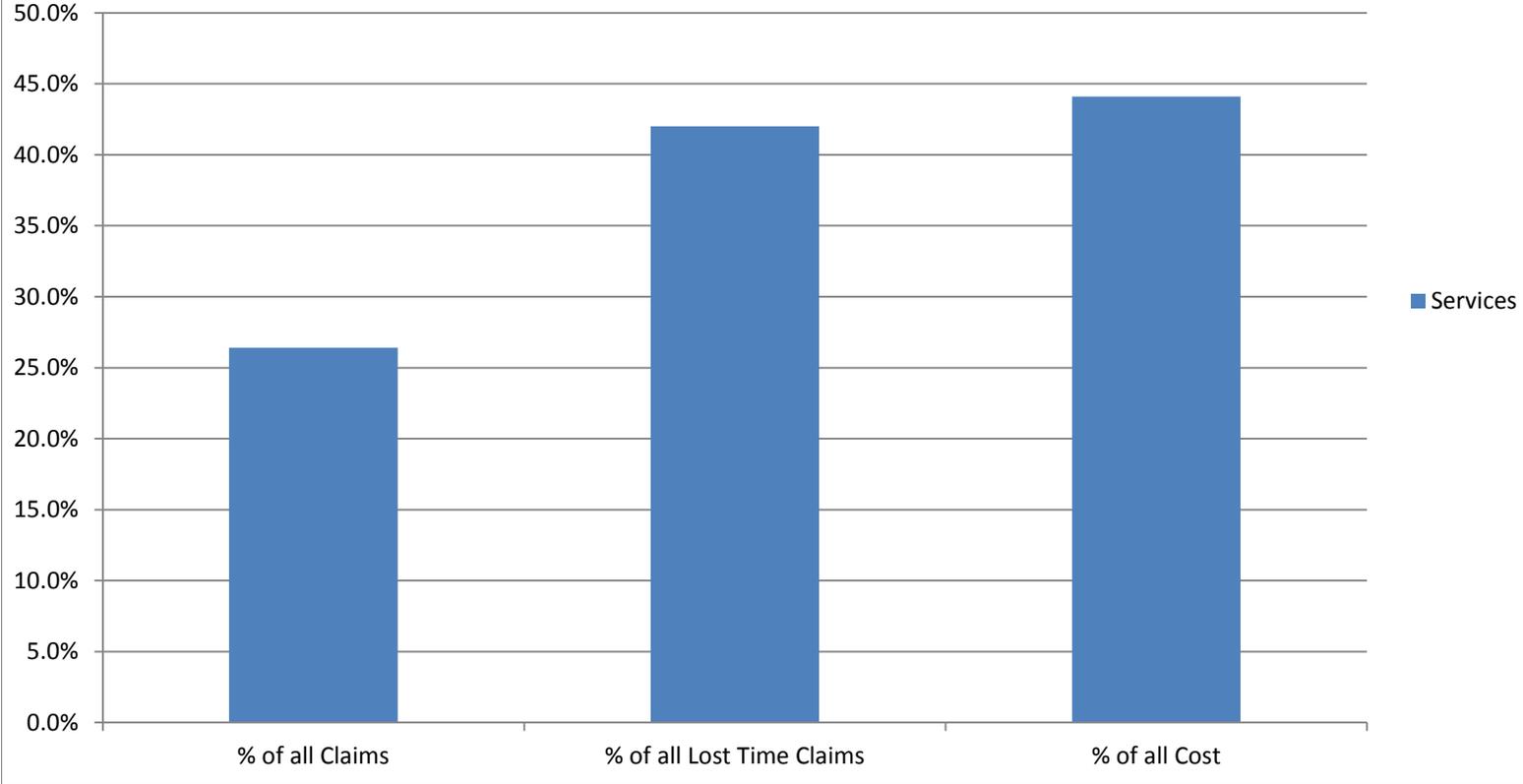


Figure 2. Healthcare: State Fund WMSD, 2002-2010.

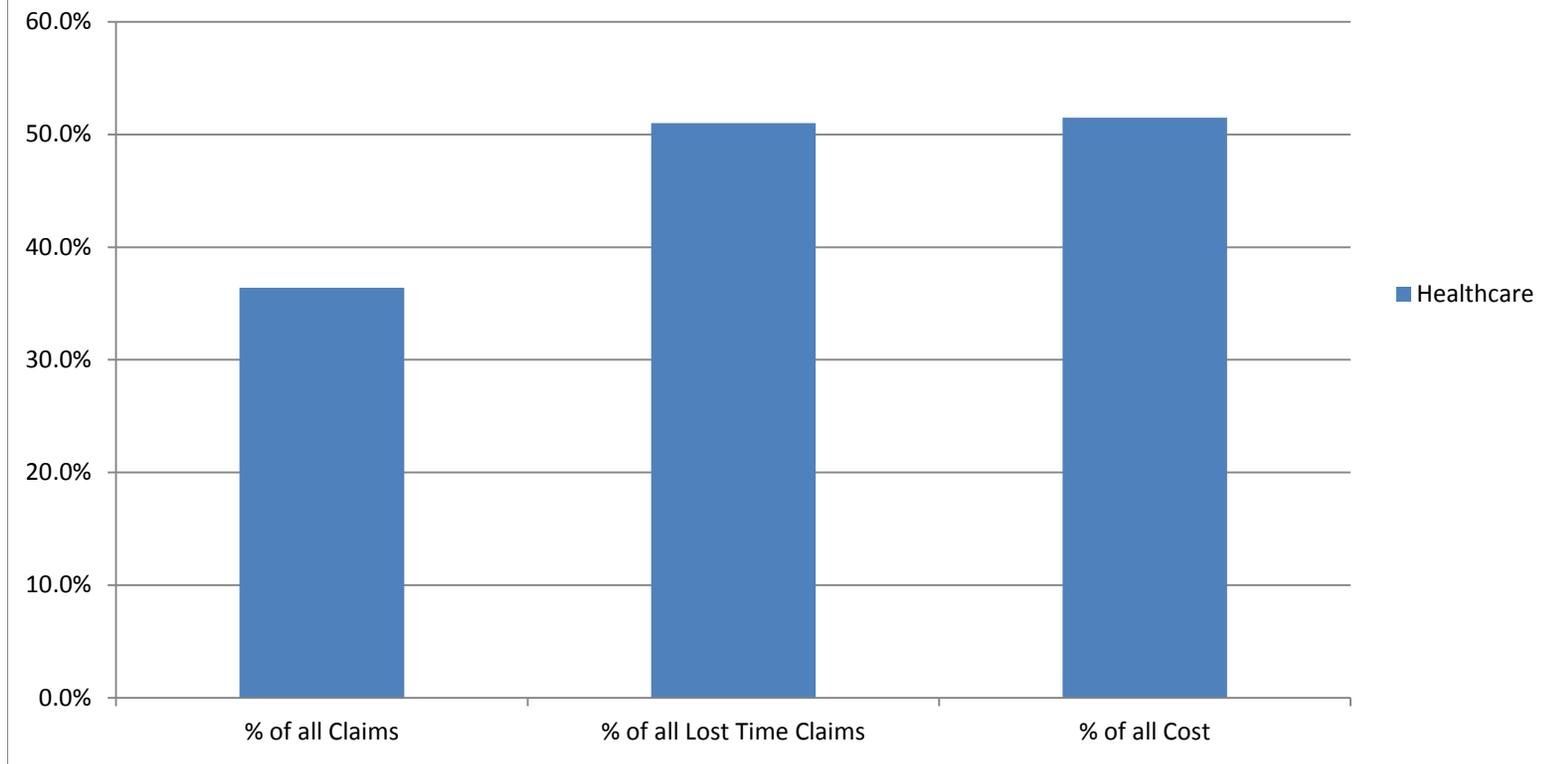


Figure 2. Manufacturing: State Fund WMSD, 2002-2010.

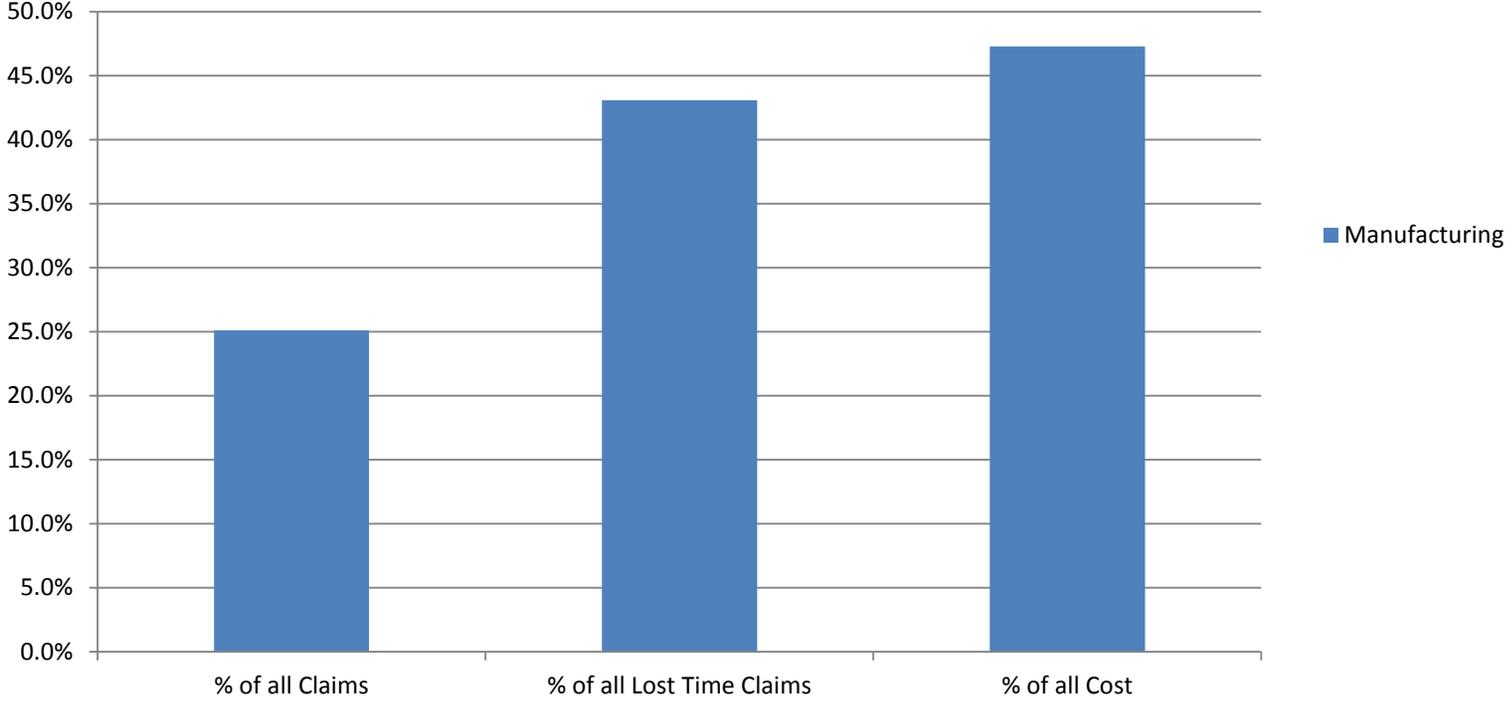


Figure 2. Trade: State Fund WMSD, 2002-2010.

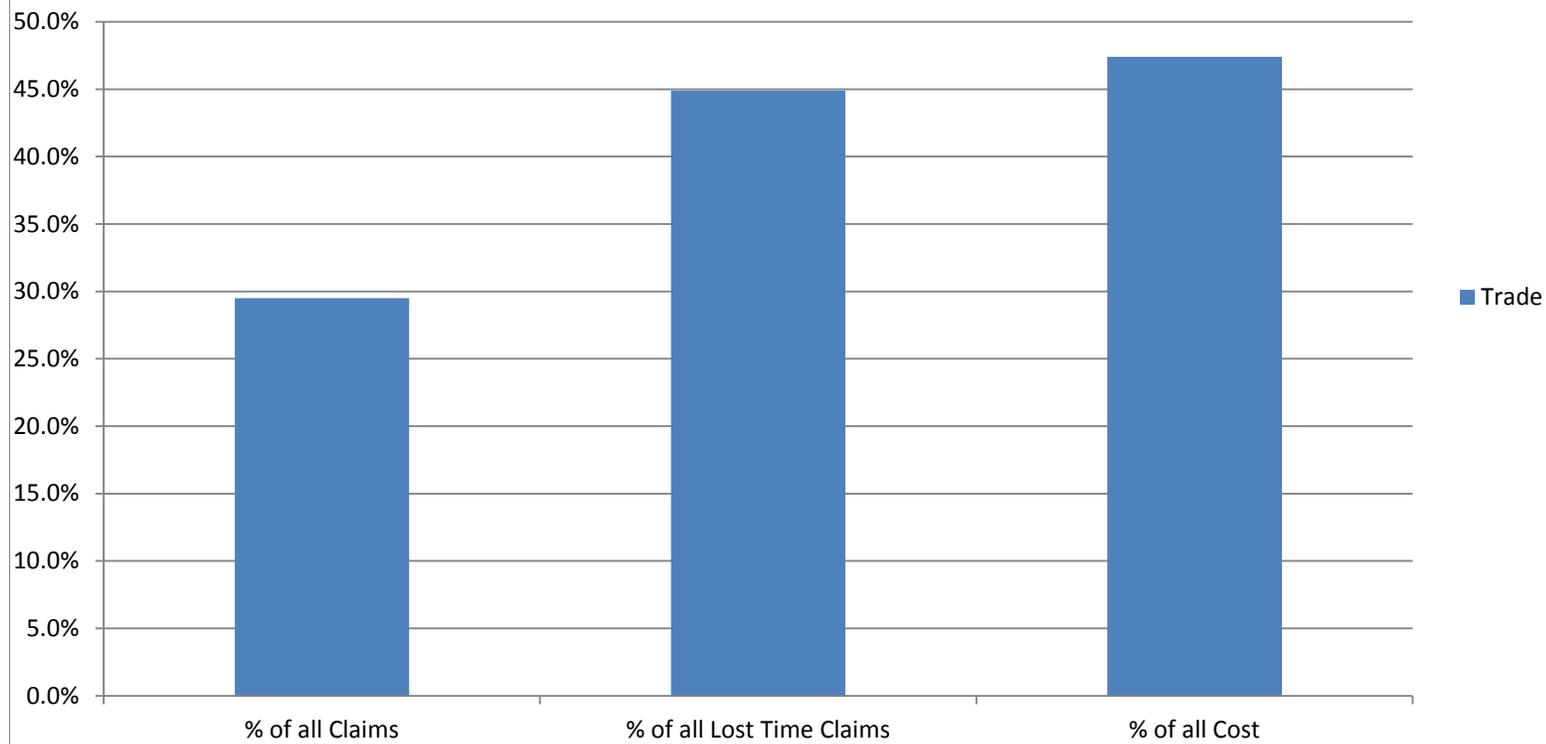


Figure 2. Utilities: State Fund WMSD, 2002-2010.

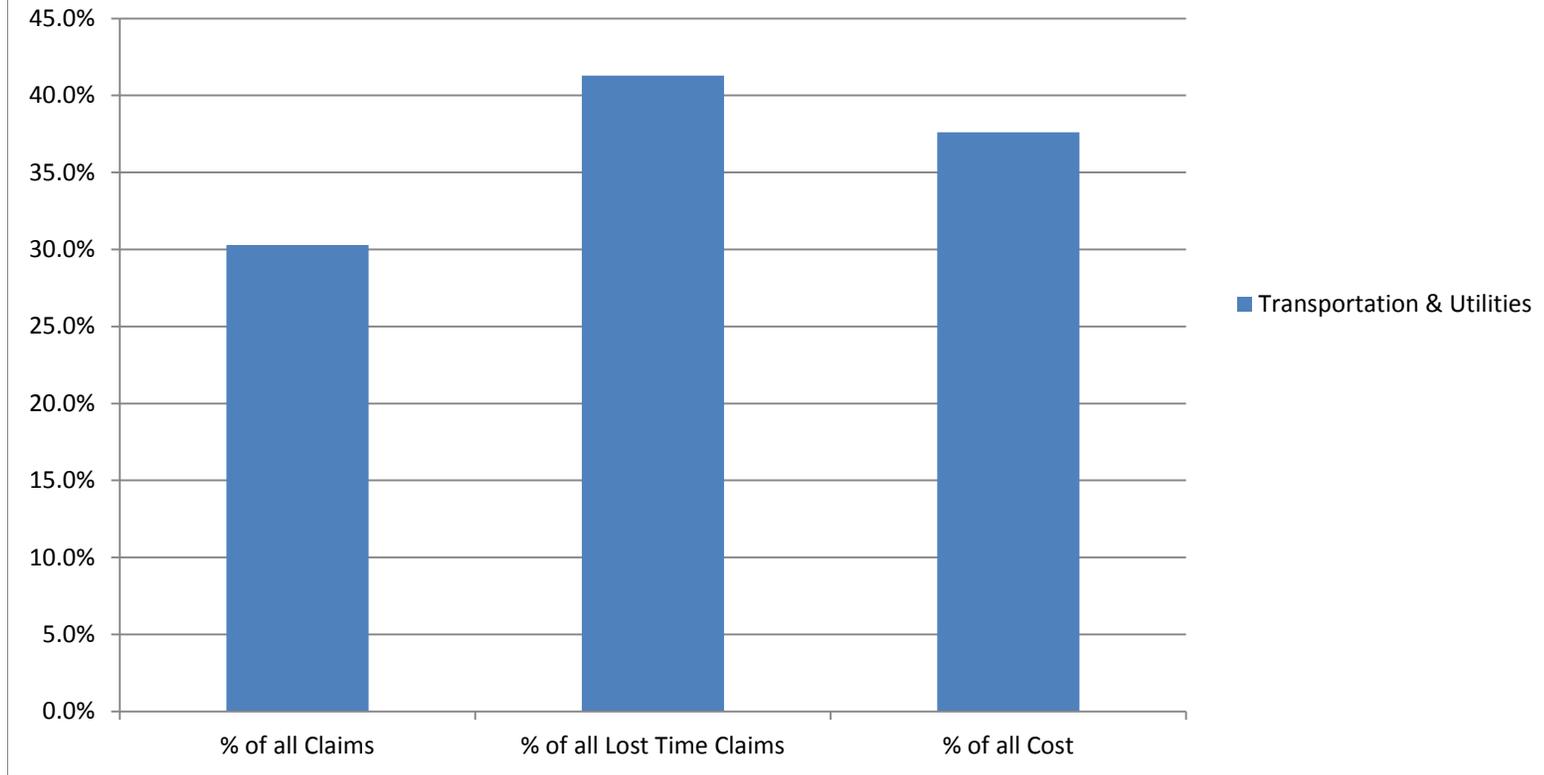


Figure 3. Washington Compensable WMSD Rate by Body Part, 2002-2010.

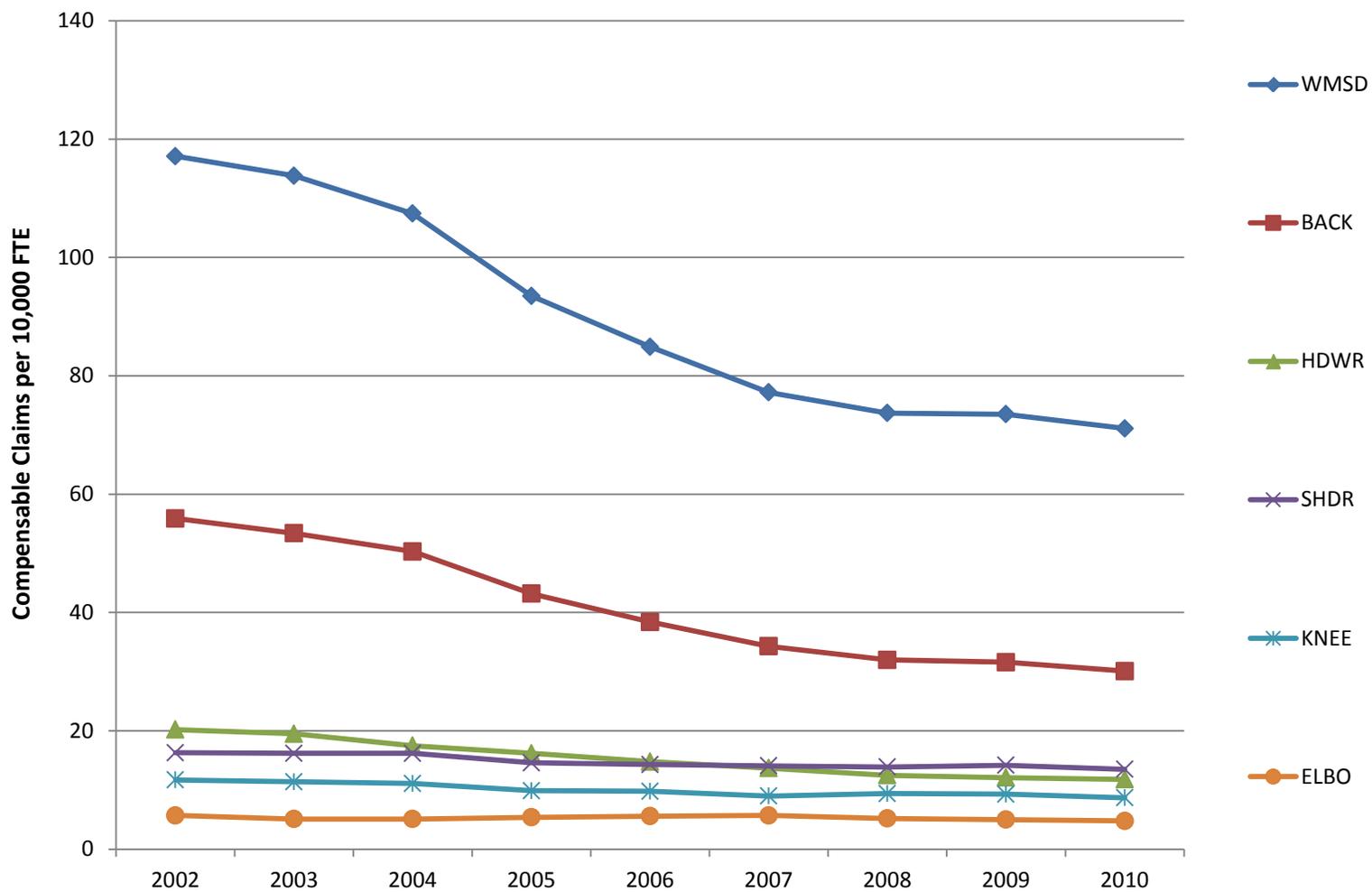


Figure 3. Agriculture: Washington Compensable WMSD Rate by Body Part, 2002-2010.

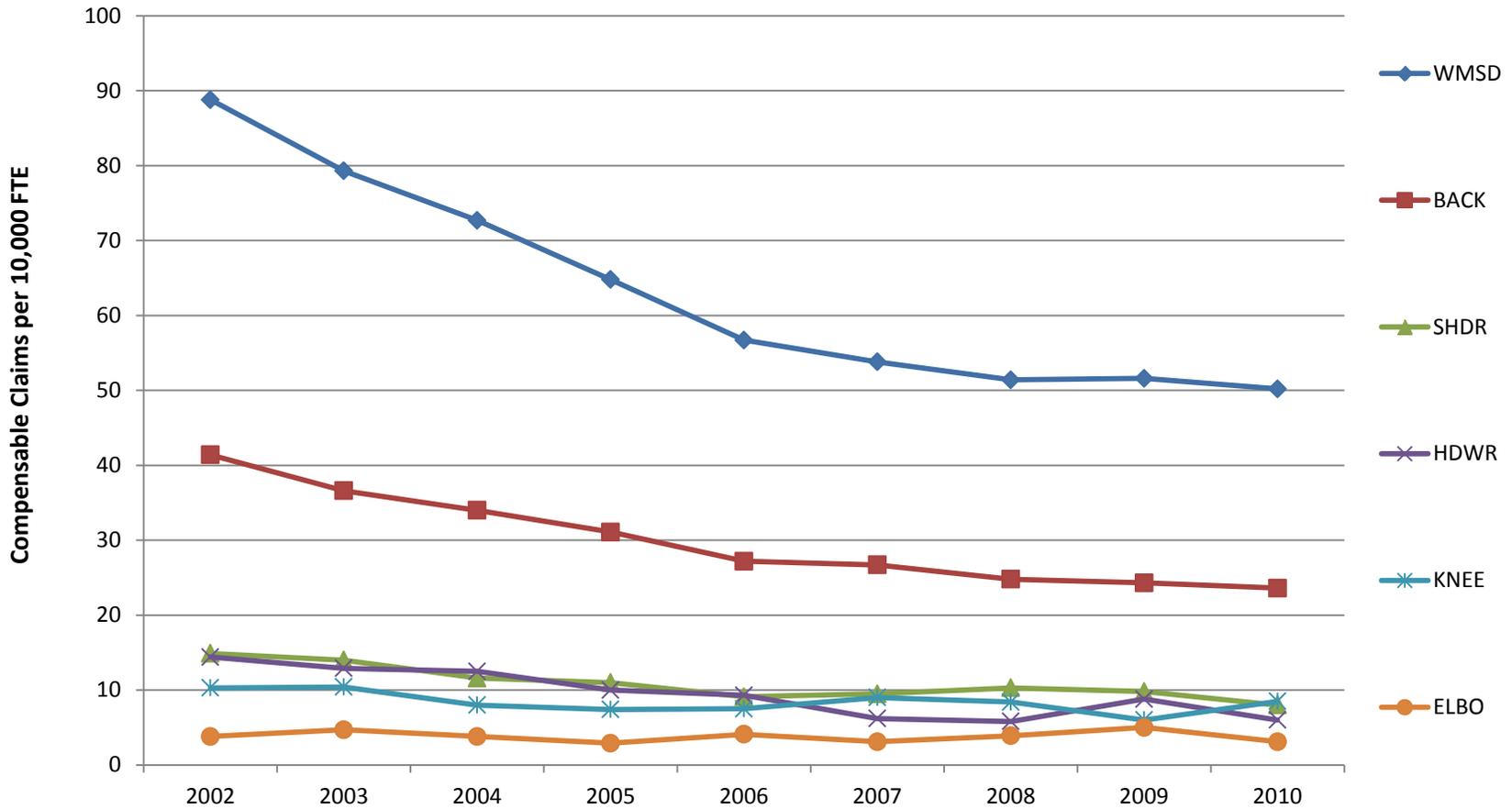


Figure 3. Construction: Washington Compensable WMSD Rate by Body Part, 2002-2010.

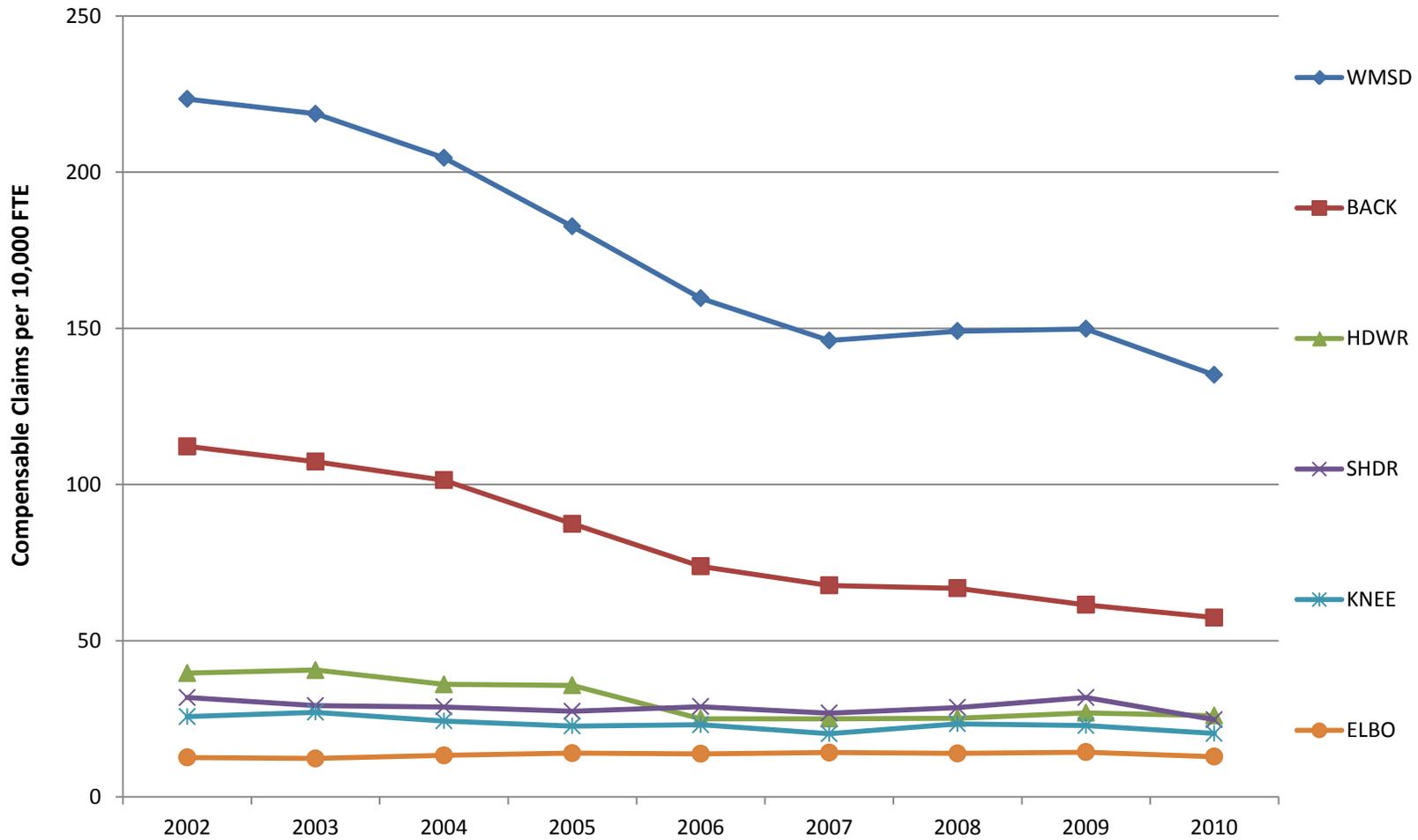


Figure 3. Services: Washington Compensable WMSD Rate by Body Part, 2002-2010.

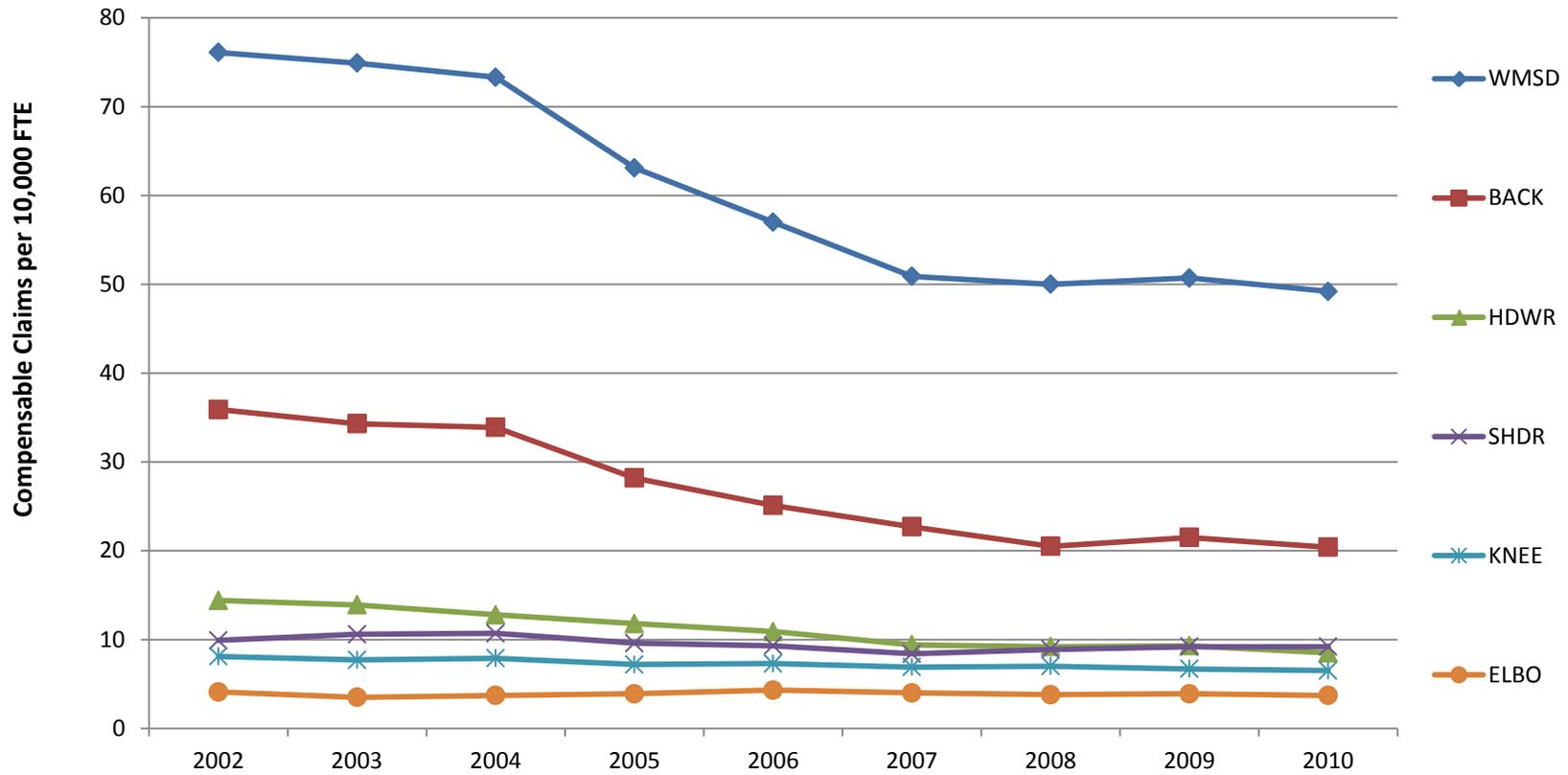


Figure 3. Healthcare: Washington Compensable WMSD Rate by Body Part, 2002-2010.

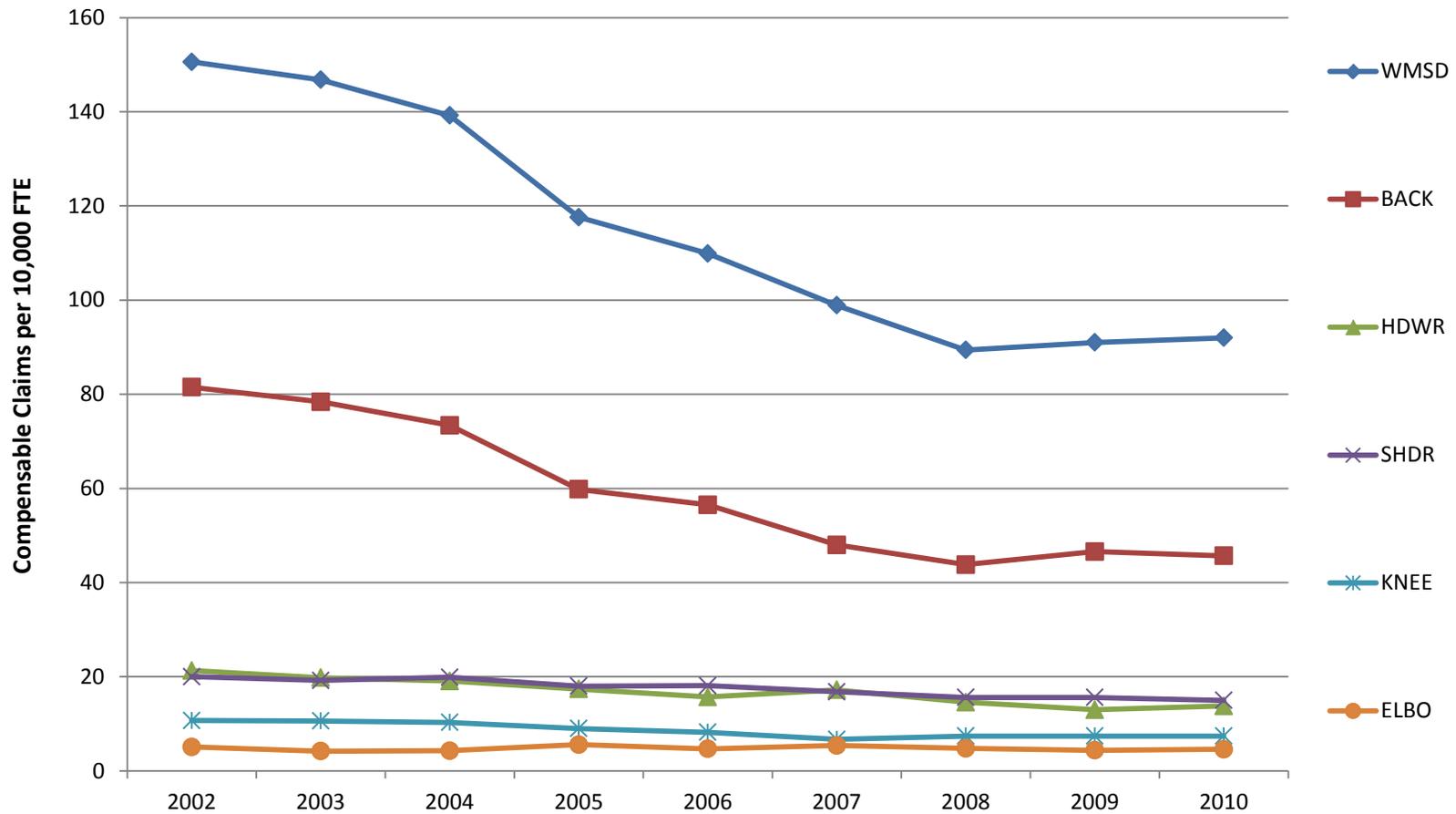


Figure 3. Manufacturing: Washington Compensable WMSD Rate by Body Part, 2002-2010.

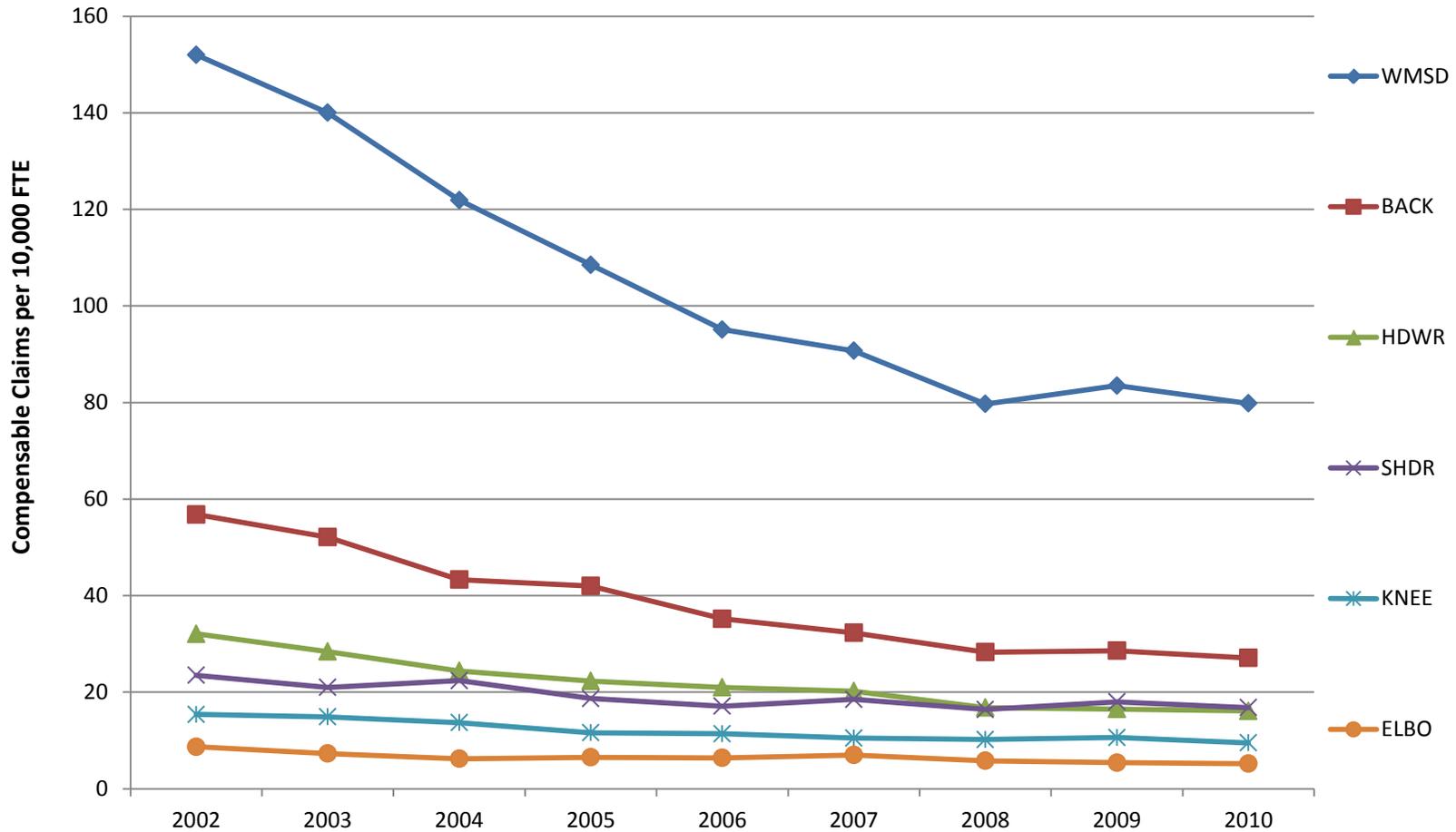


Figure 3. Trade: Washington Compensable WMSD Rate by Body Part, 2002-2010.

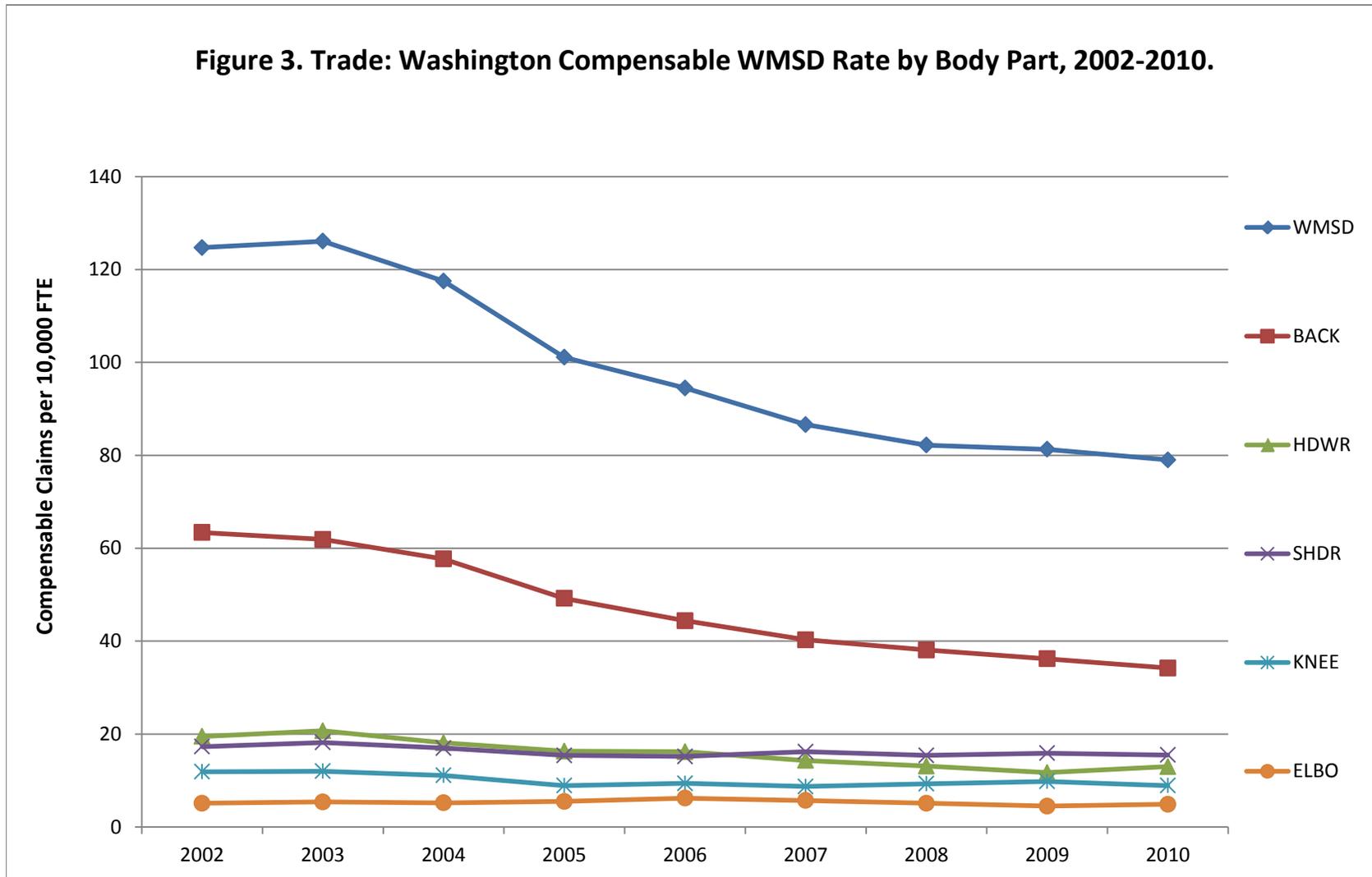


Figure 3. Utilities: Washington Compensable WMSD Rate by Body Part, 2002-2010.

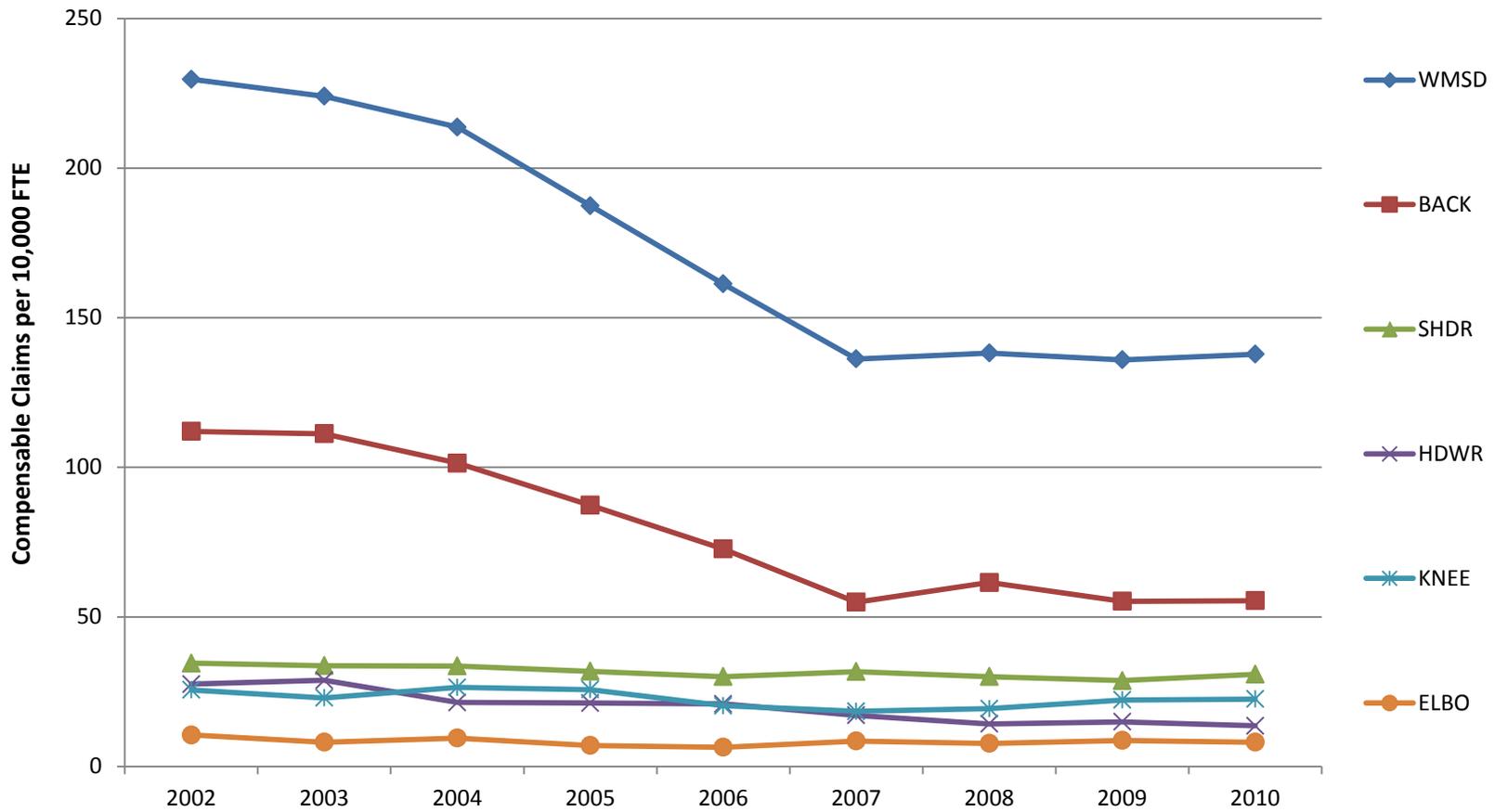
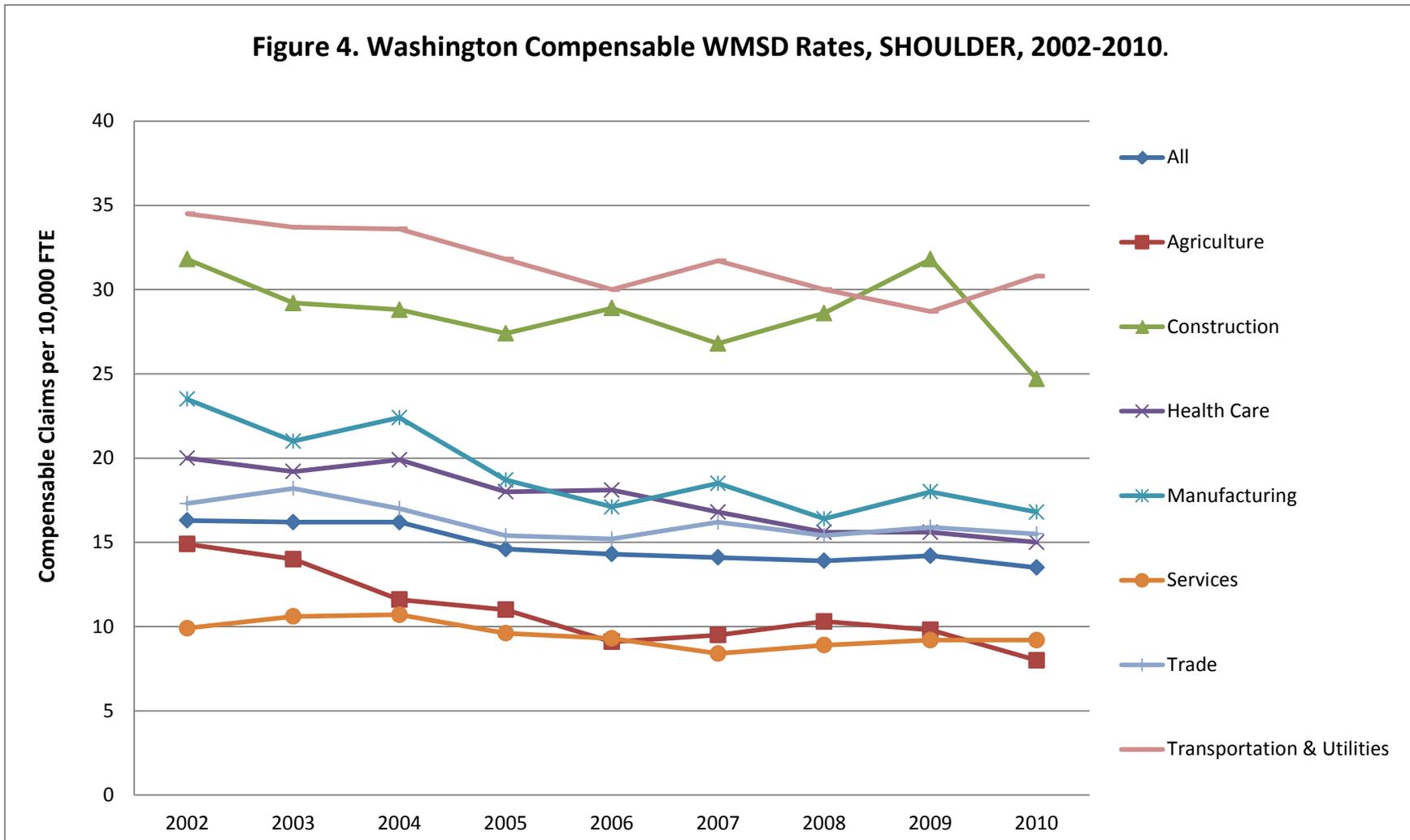


Figure 4. Washington Compensable WMSD Rates, SHOULDER, 2002-2010.



There was not enough data to display Agriculture at the detailed industry group level.

Figure 4. Construction: Washington Compensable WMSD Rates, SHOULDER, 2002-

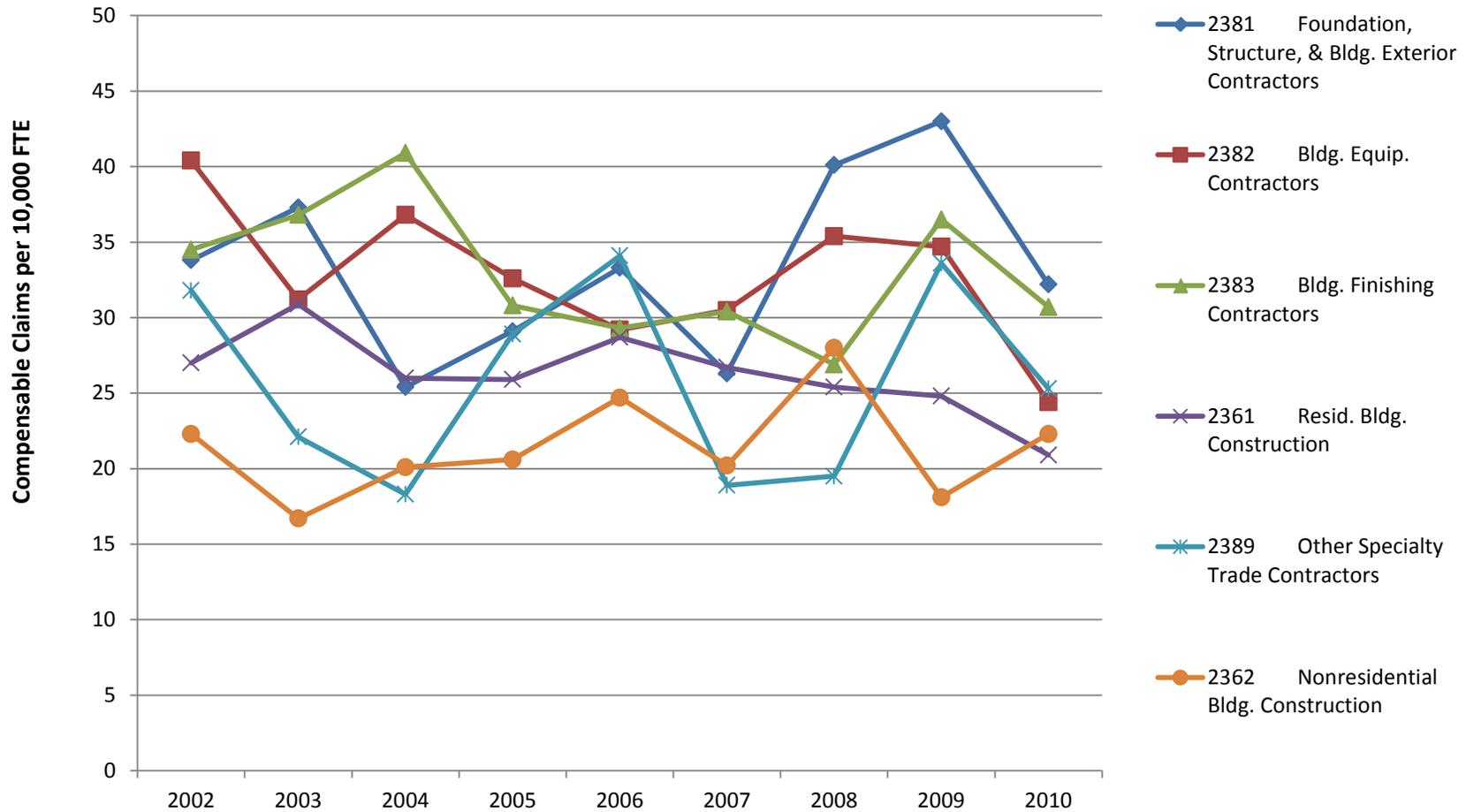


Figure 4. Services: Washington Compensable WMSD Rates, SHOULDER, 2002-2010. (1-5)

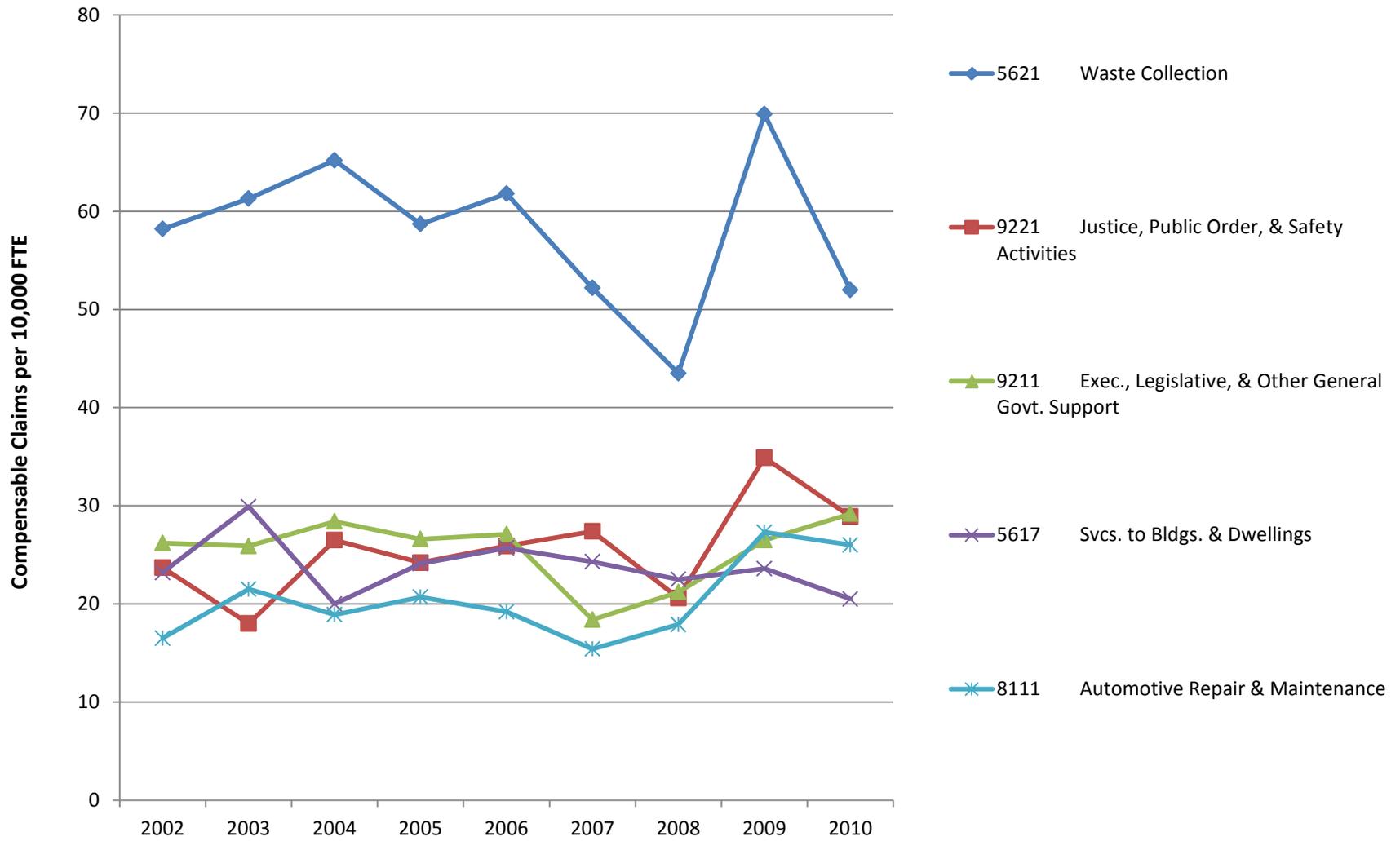


Figure 4. Services: Washington Compensable WMSD Rates, SHOULDER, 2002-2010. (6-10)

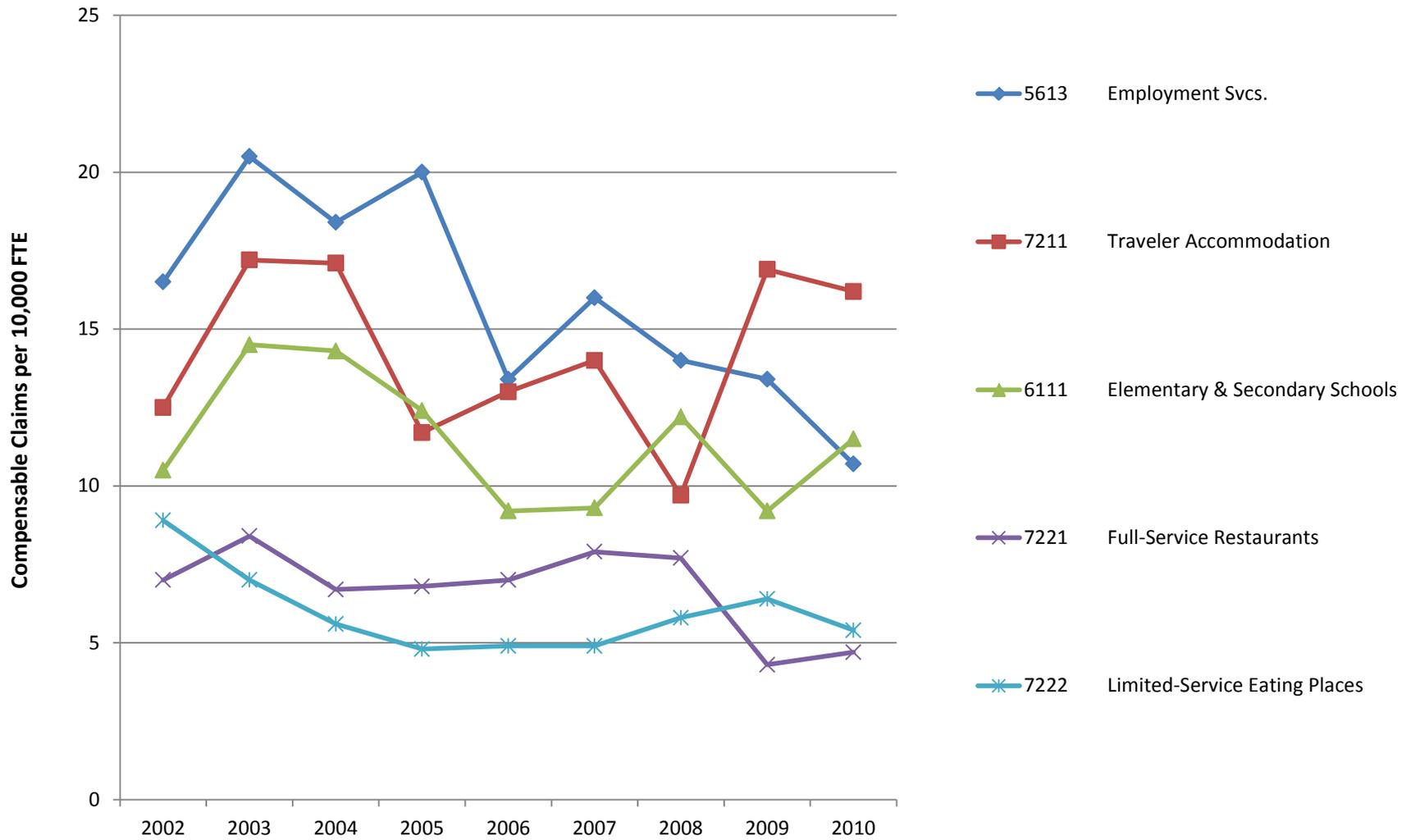


Figure 4. Healthcare: Washington Compensable WMSD Rates, SHOULDER, 2002-2010.

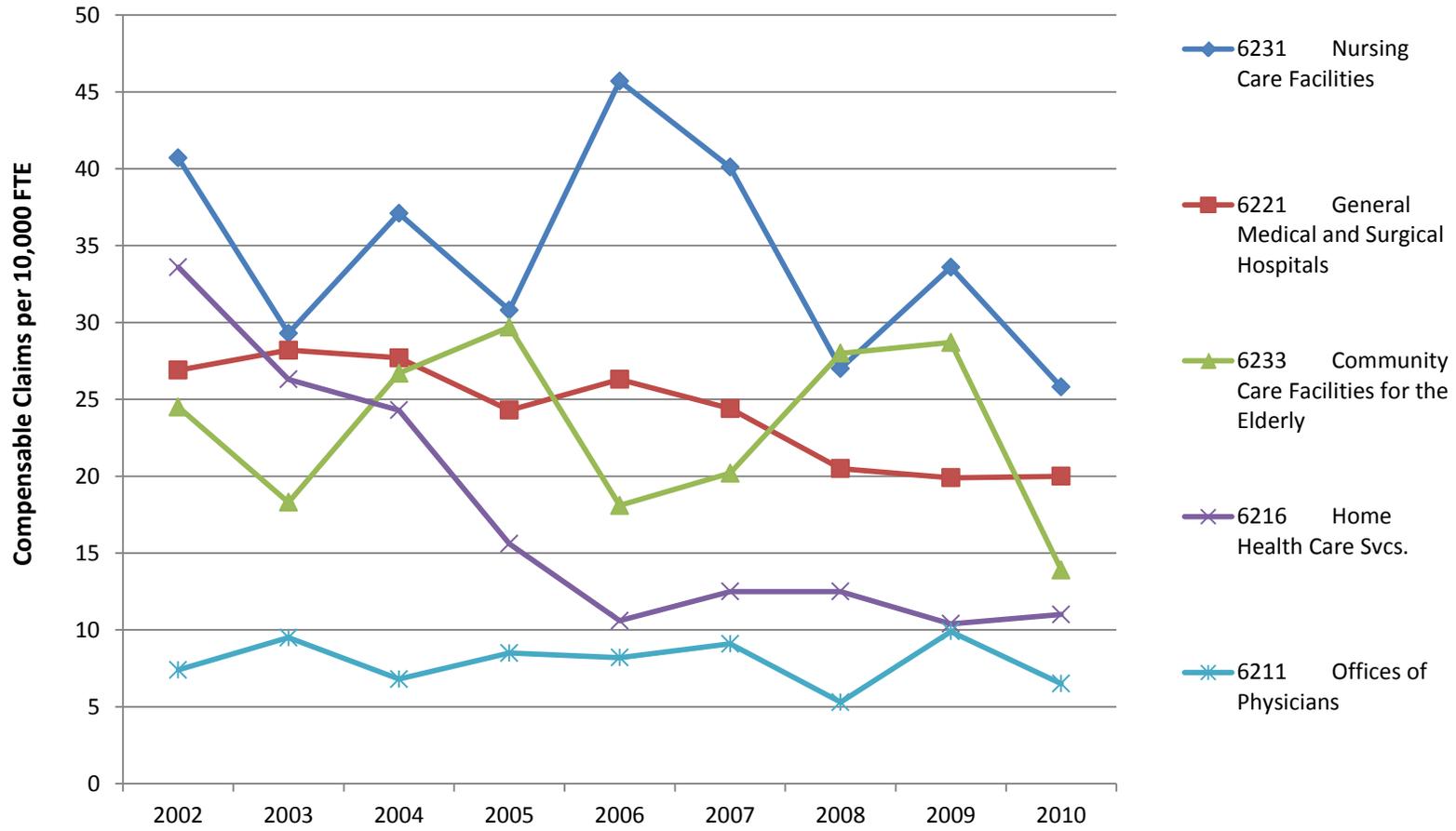


Figure 4. Manufacturing: Washington Compensable WMSD Rates, SHOULDER, 2002-2010.

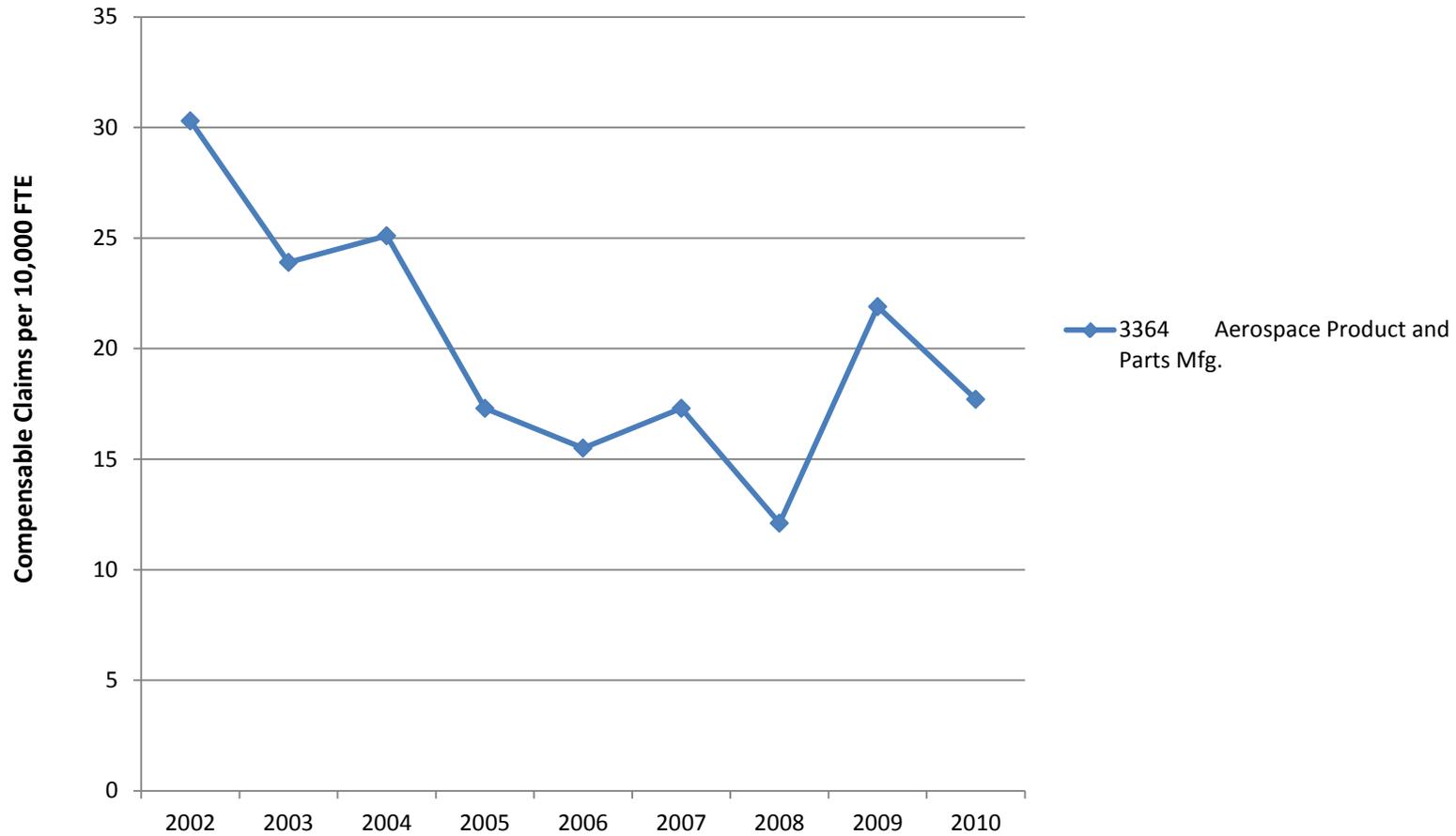


Figure 4. Trade: Washington Compensable WMSD Rates, SHOULDER, 2002-2010.

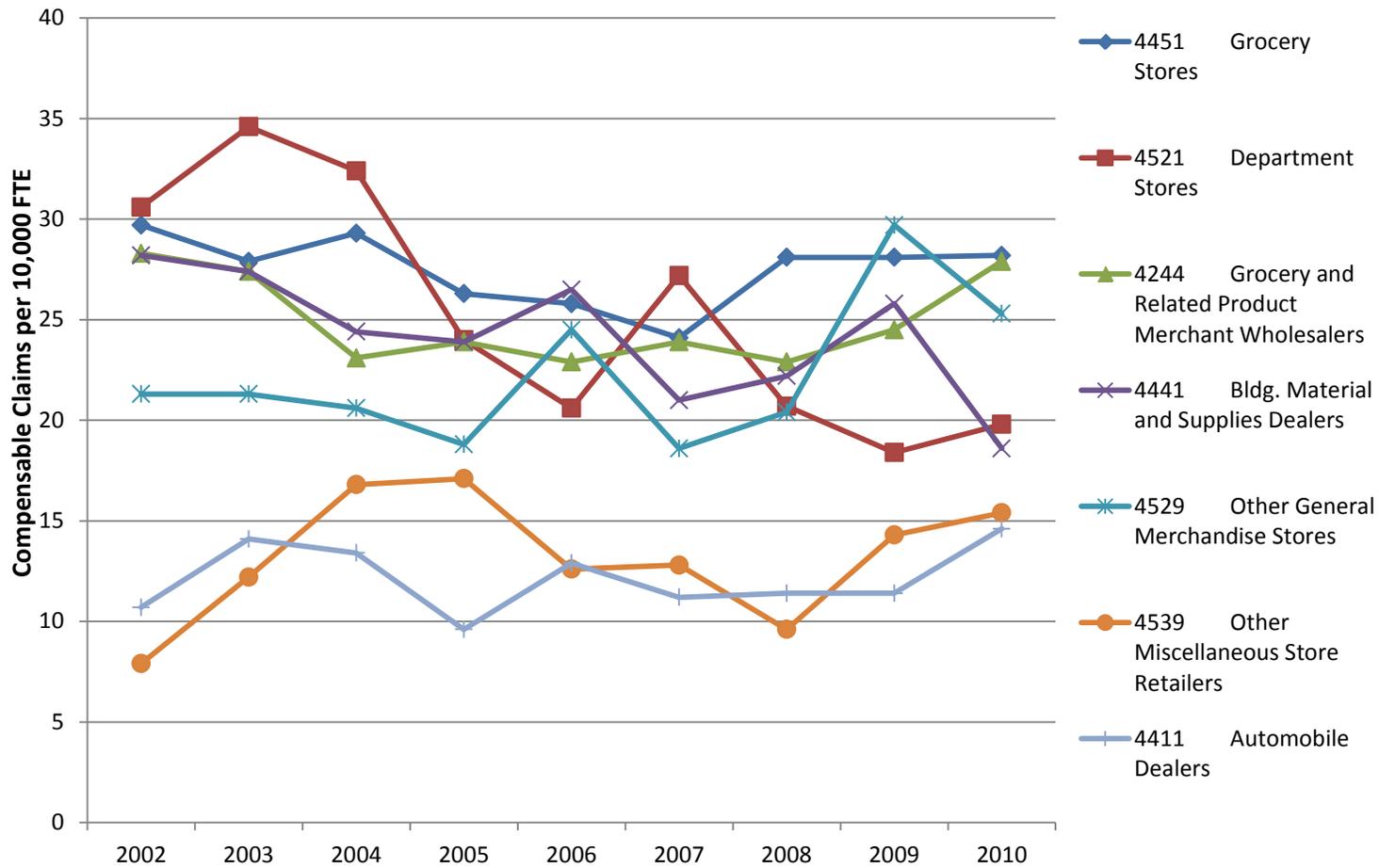


Figure 4. Utilities: Washington Compensable WMSD Rates, SHOULDER, 2002-2010.

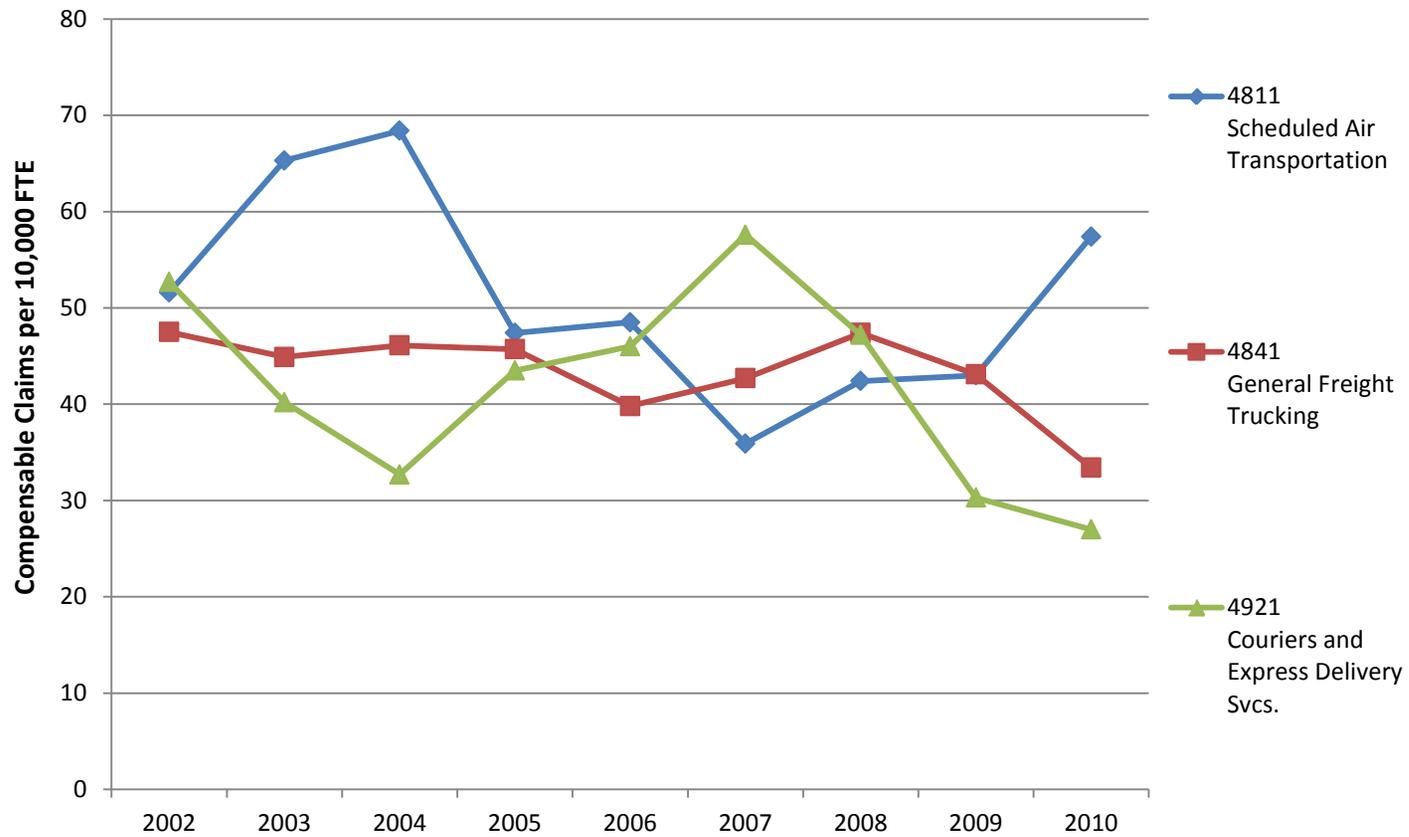
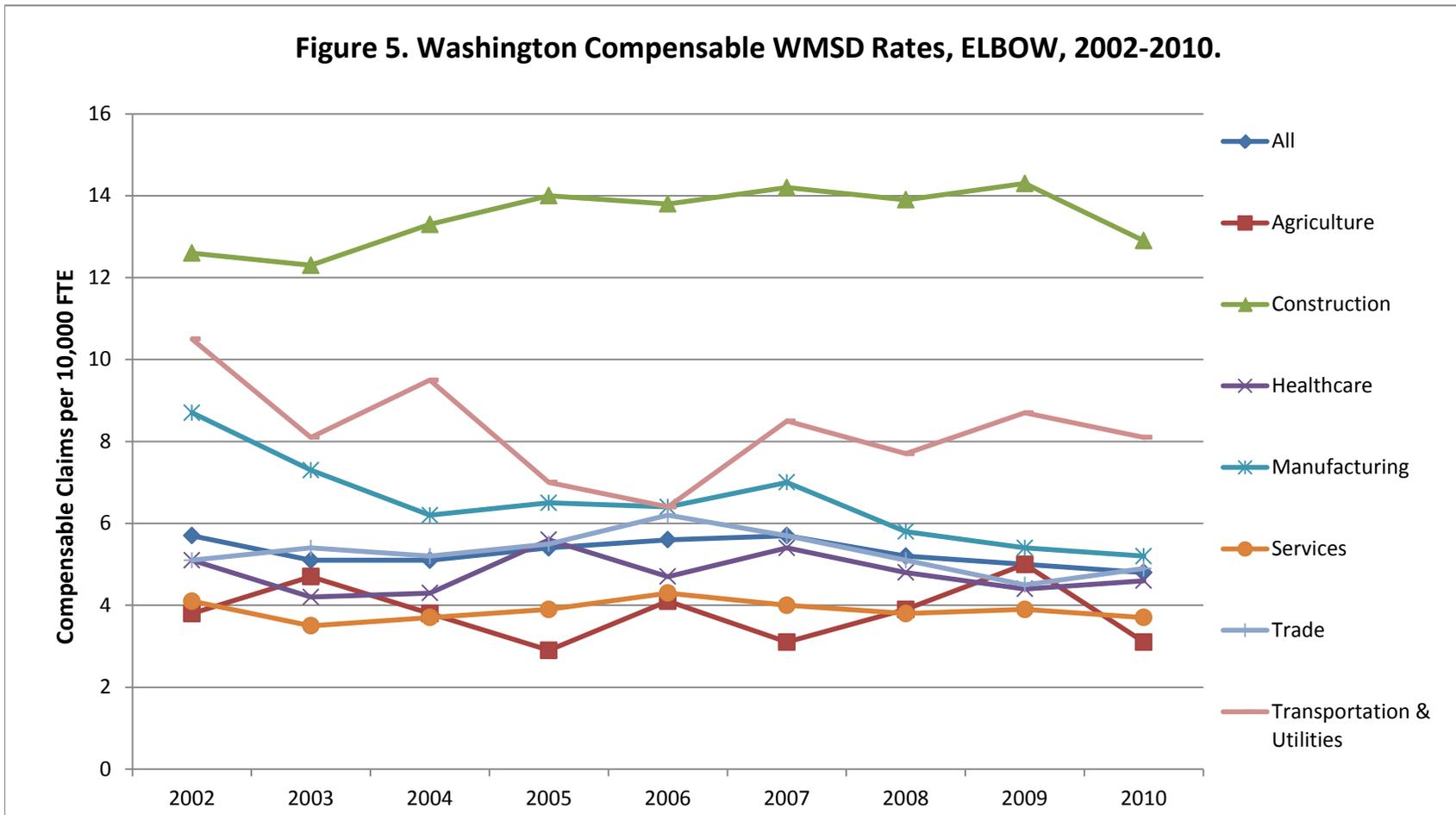


Figure 5. Washington Compensable WMSD Rates, ELBOW, 2002-2010.



There was not enough data to display Agriculture, Healthcare, or Utilities at the detailed industry group level.

Figure 5. Construction: Washington Compensable WMSD Rates, ELBOW, 2002-2010.

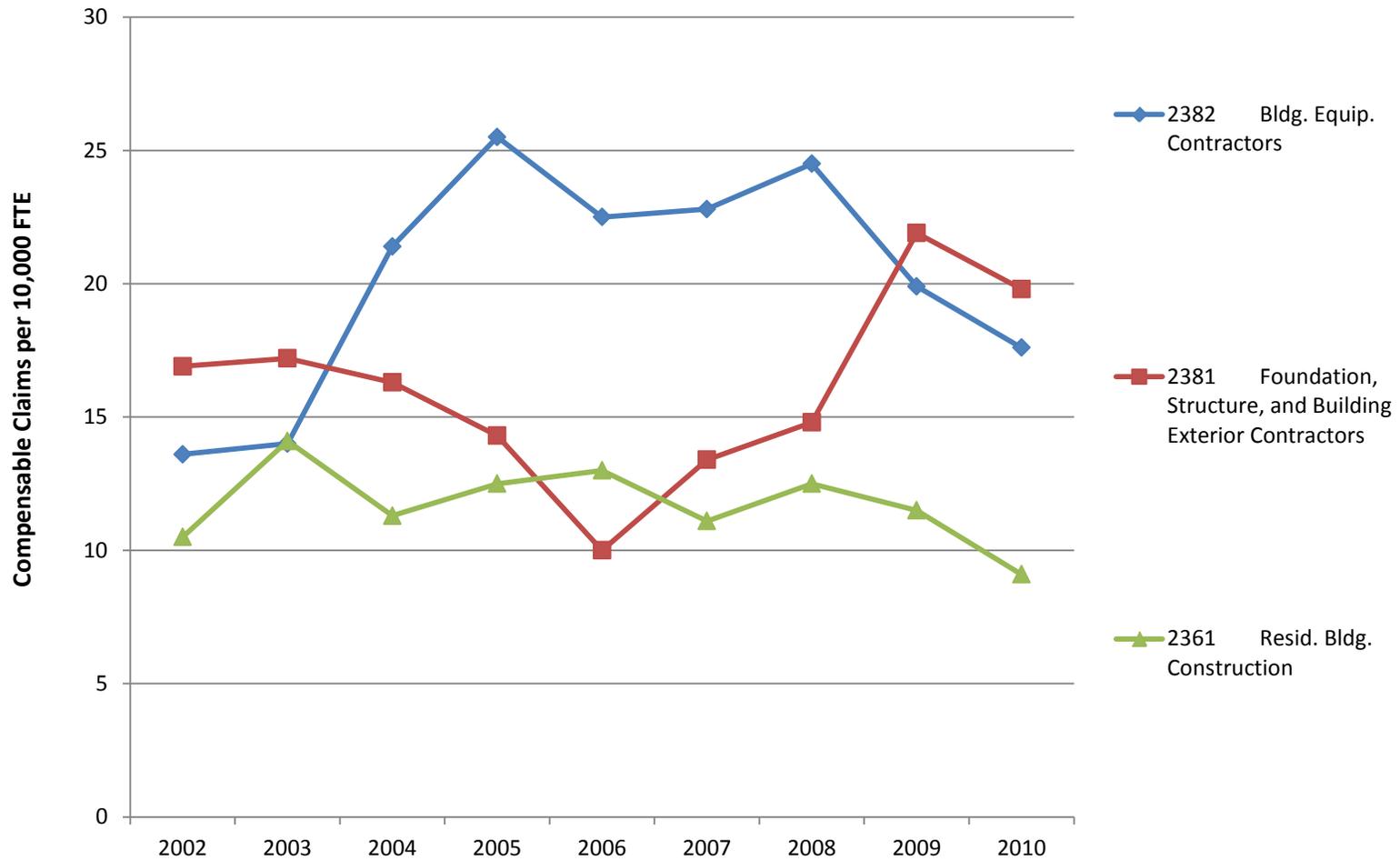


Figure 5. Services: Washington Compensable WMSD Rates, ELBOW, 2002-2010.

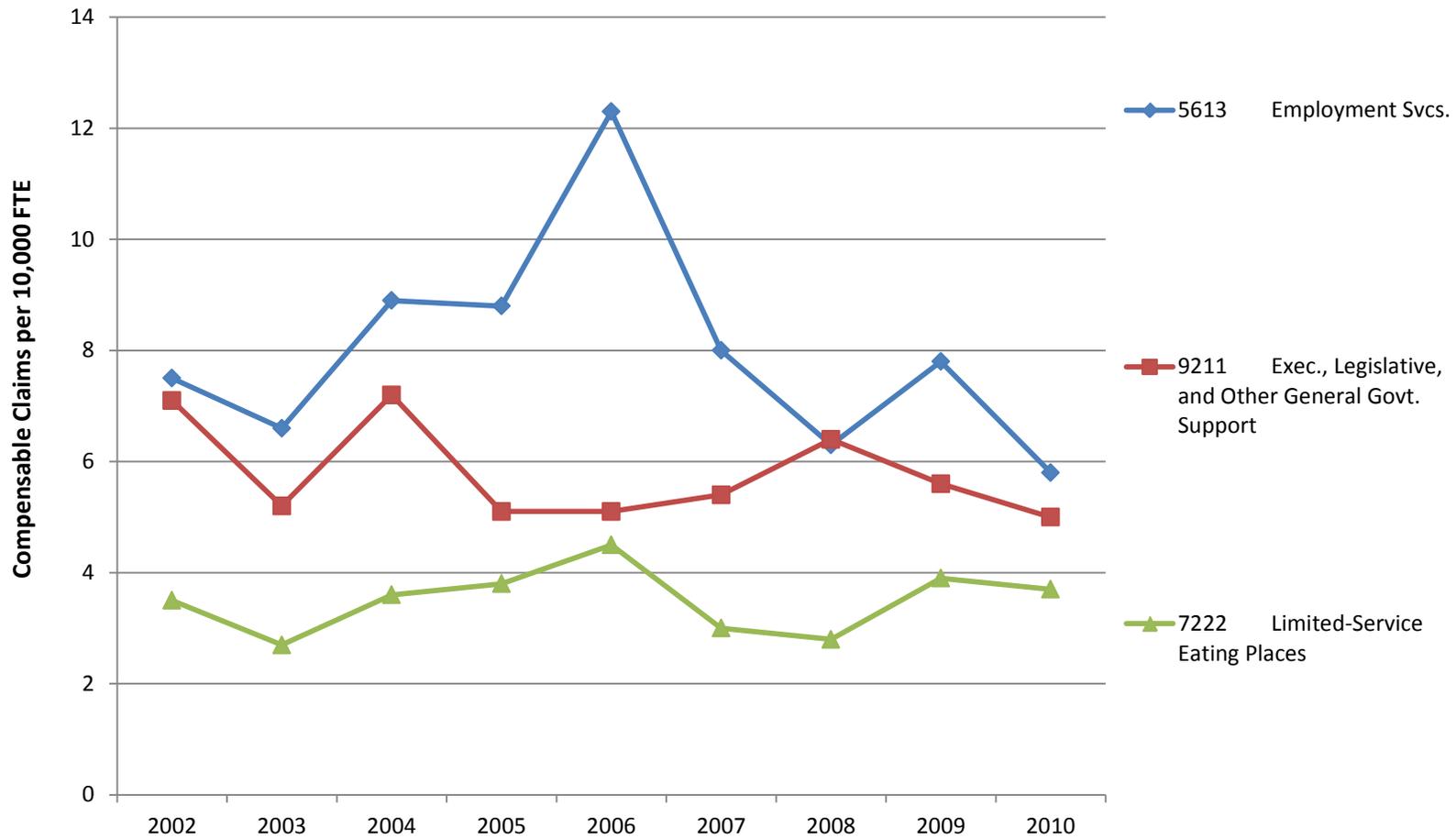


Figure 5. Manufacturing: Washington Compensable WMSD Rates, ELBOW, 2002-2010.

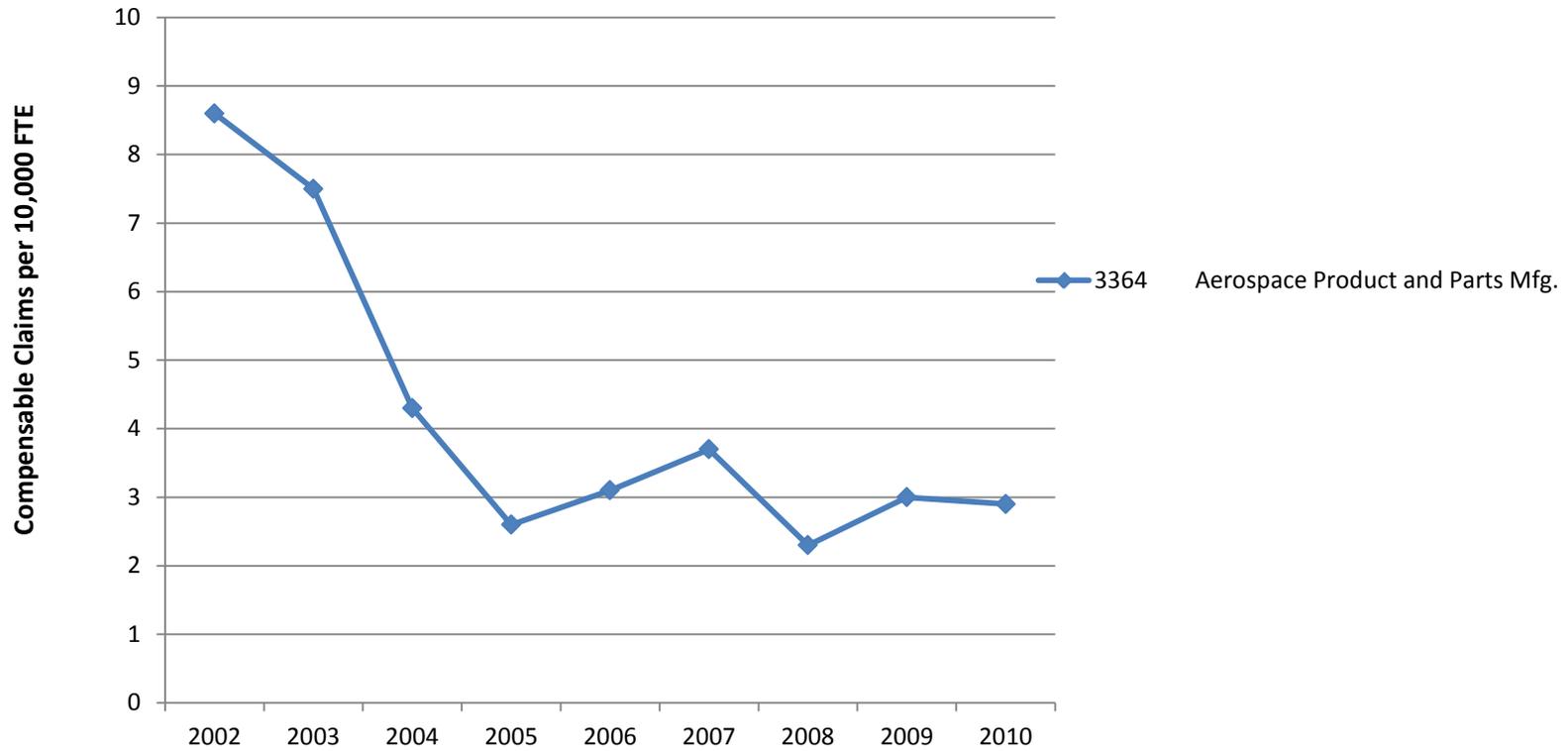


Figure 5. Trade: Washington Compensable WMSD Rates, ELBOW, 2002-2010.

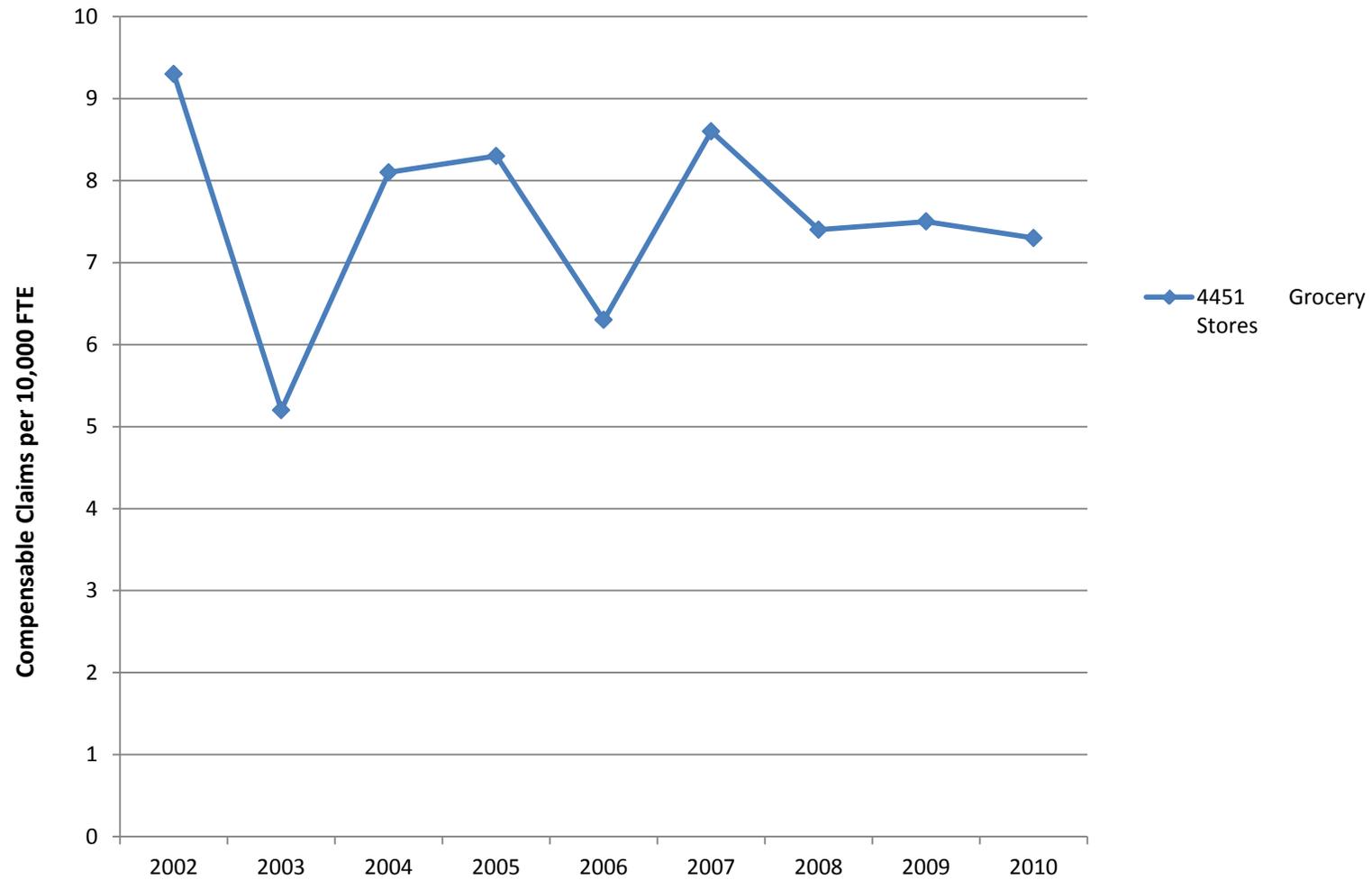
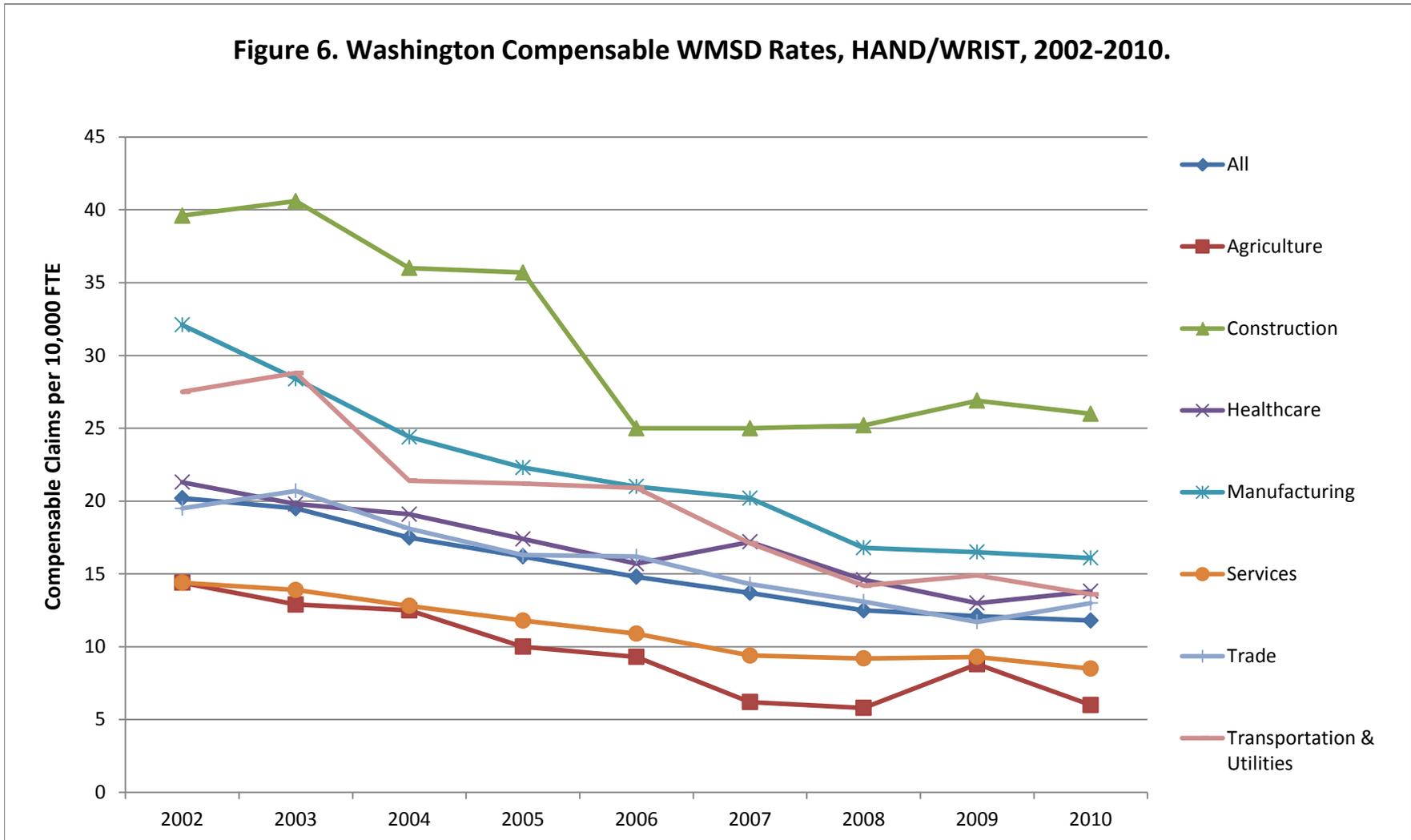


Figure 6. Washington Compensable WMSD Rates, HAND/WRIST, 2002-2010.



There was not enough data to display Agriculture at the detailed industry group level.

Figure 6. Construction: Washington Compensable WMSD Rates, HAND/WRIST, 2002-2010.

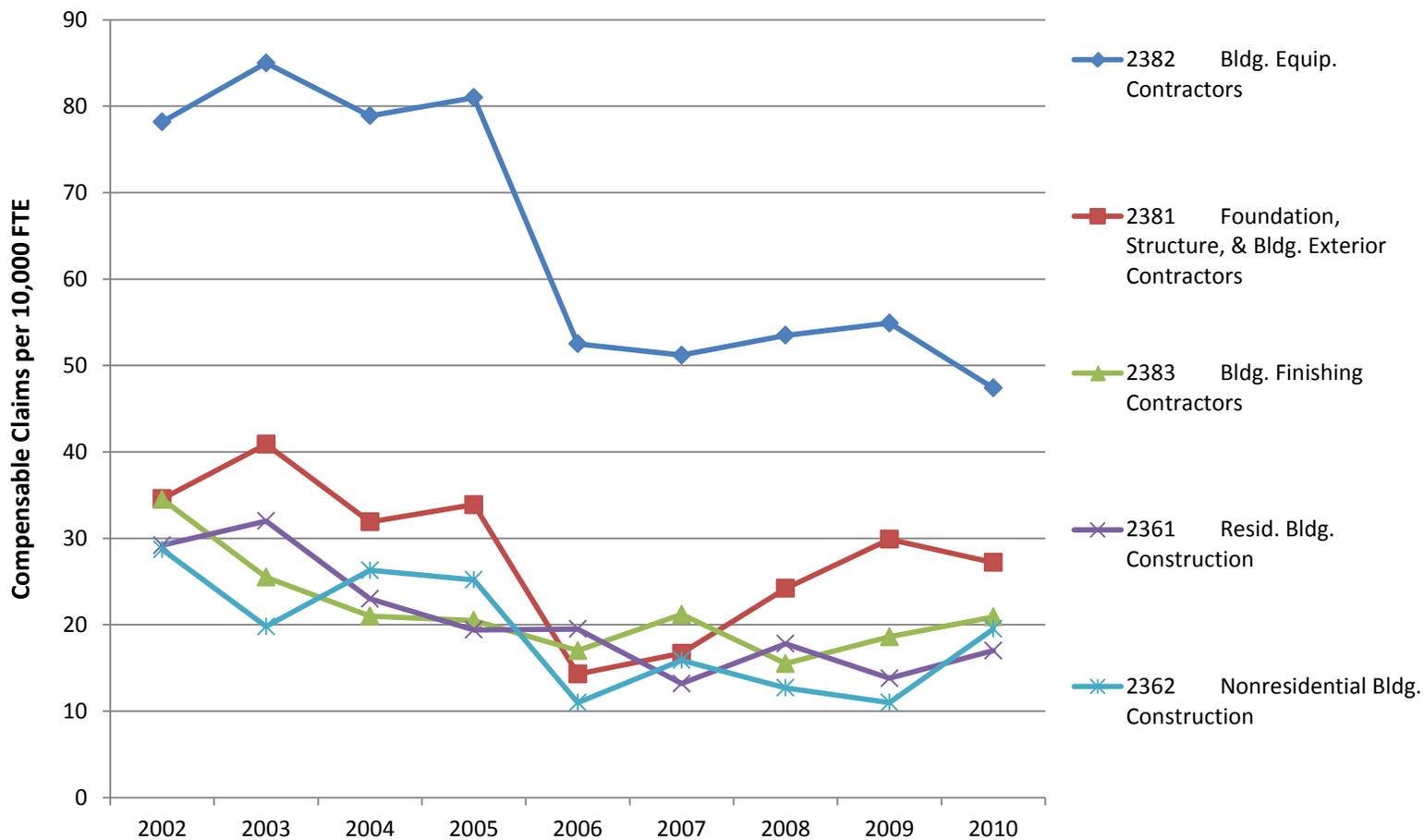


Figure 6. Services: Washington Compensable WMSD Rates, HAND/WRIST, 2002-2010. (1-5)

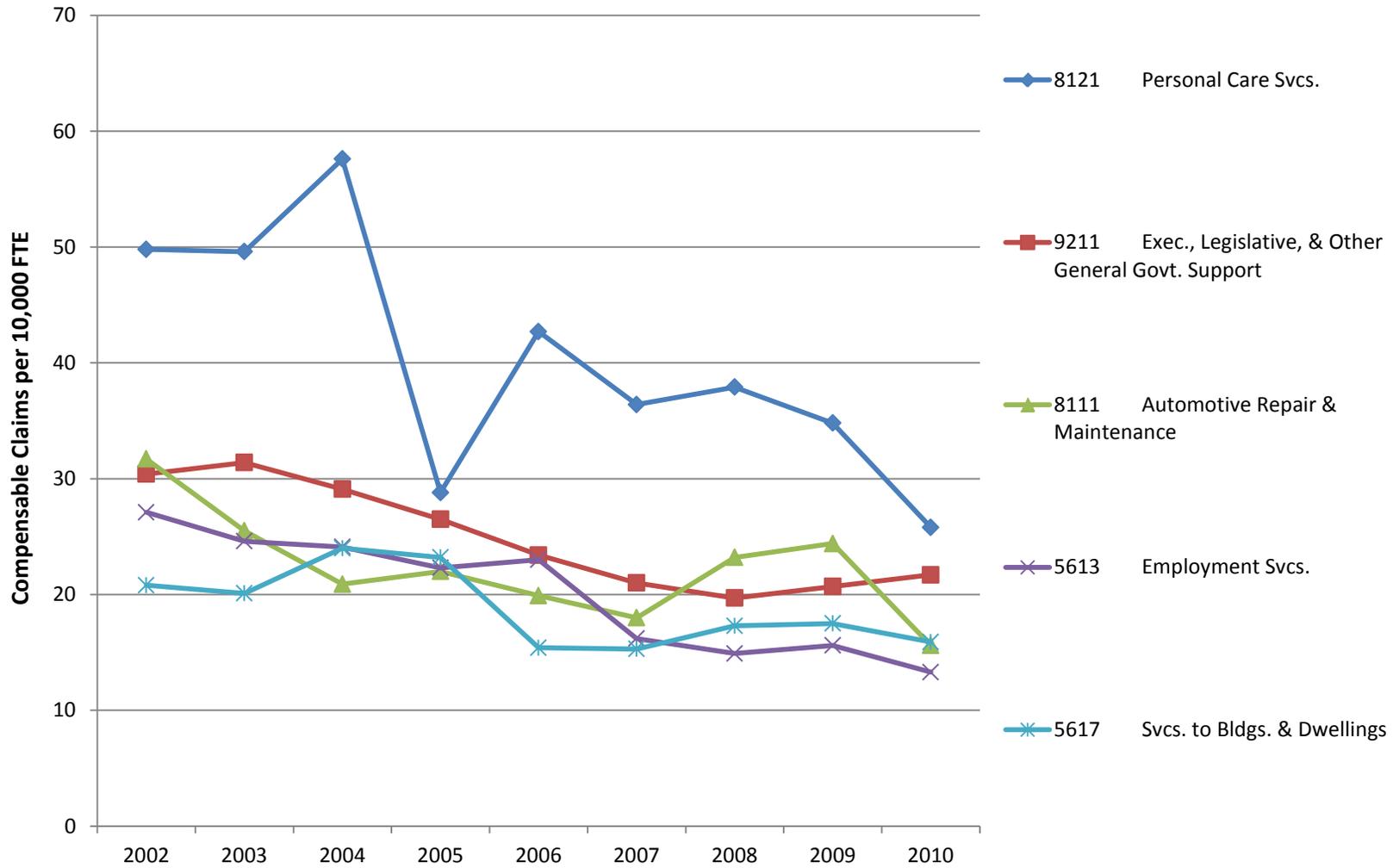


Figure 6. Services: Washington Compensable WMSD Rates, HAND/WRIST, 2002-2010. (6-10)

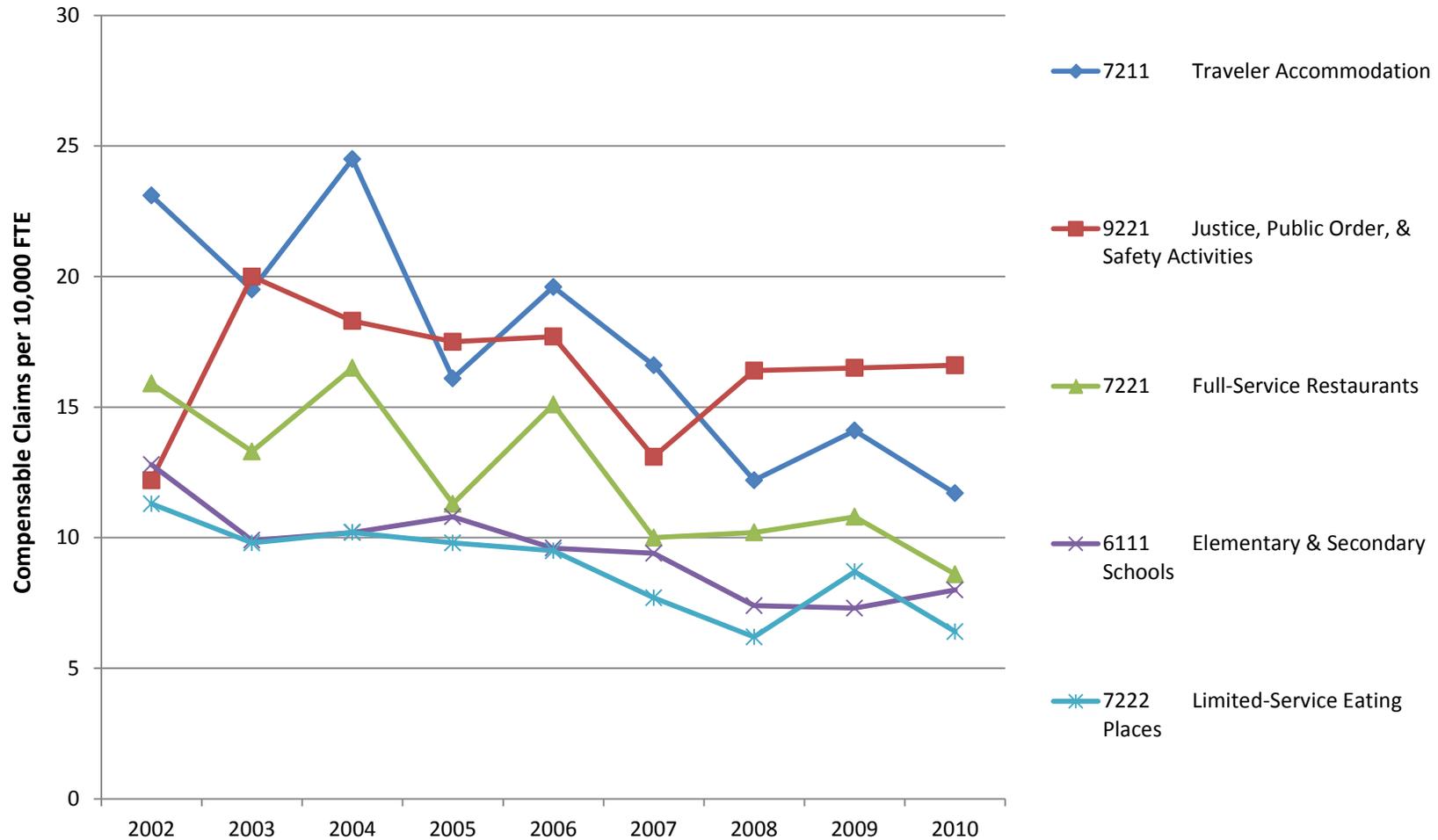


Figure 6. Healthcare: Washington Compensable WMSD Rates, HAND/WRIST, 2002-2010.

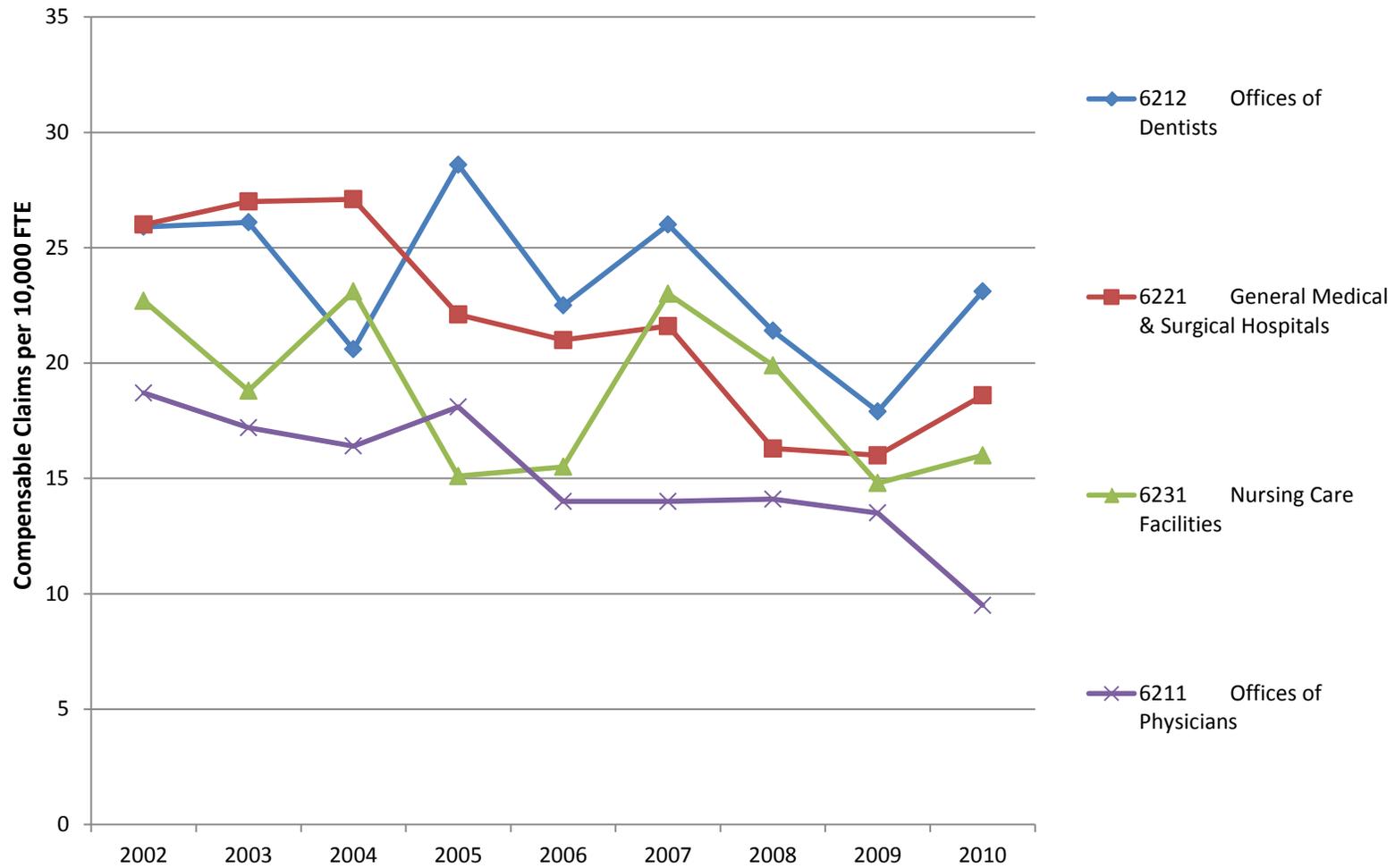


Figure 6. Manufacturing: Washington Compensable WMSD Rates, HAND/WRIST, 2002-2010.

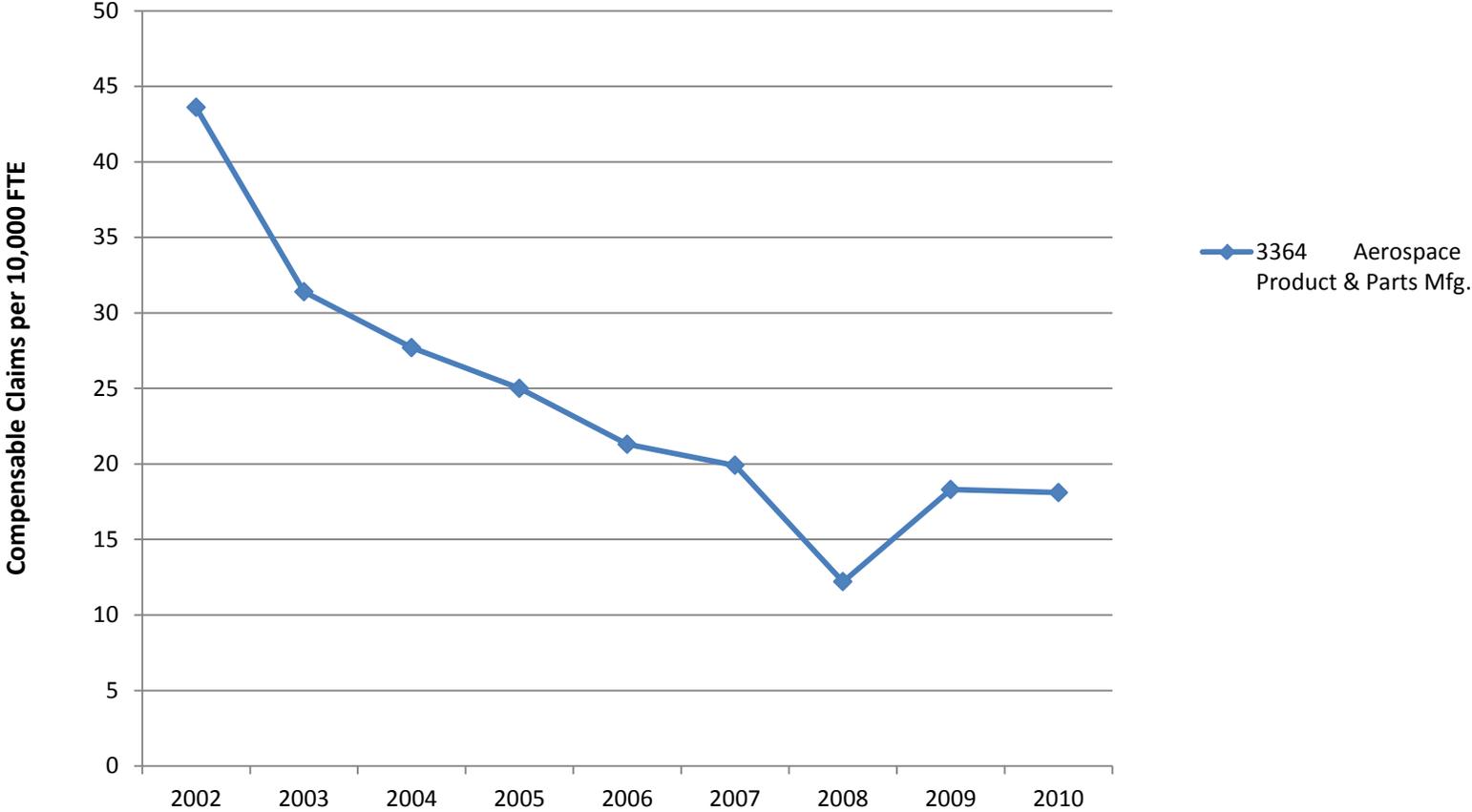


Figure 6. Trade: Washington Compensable WMSD Rates, HAND/WRIST, 2002-2010.

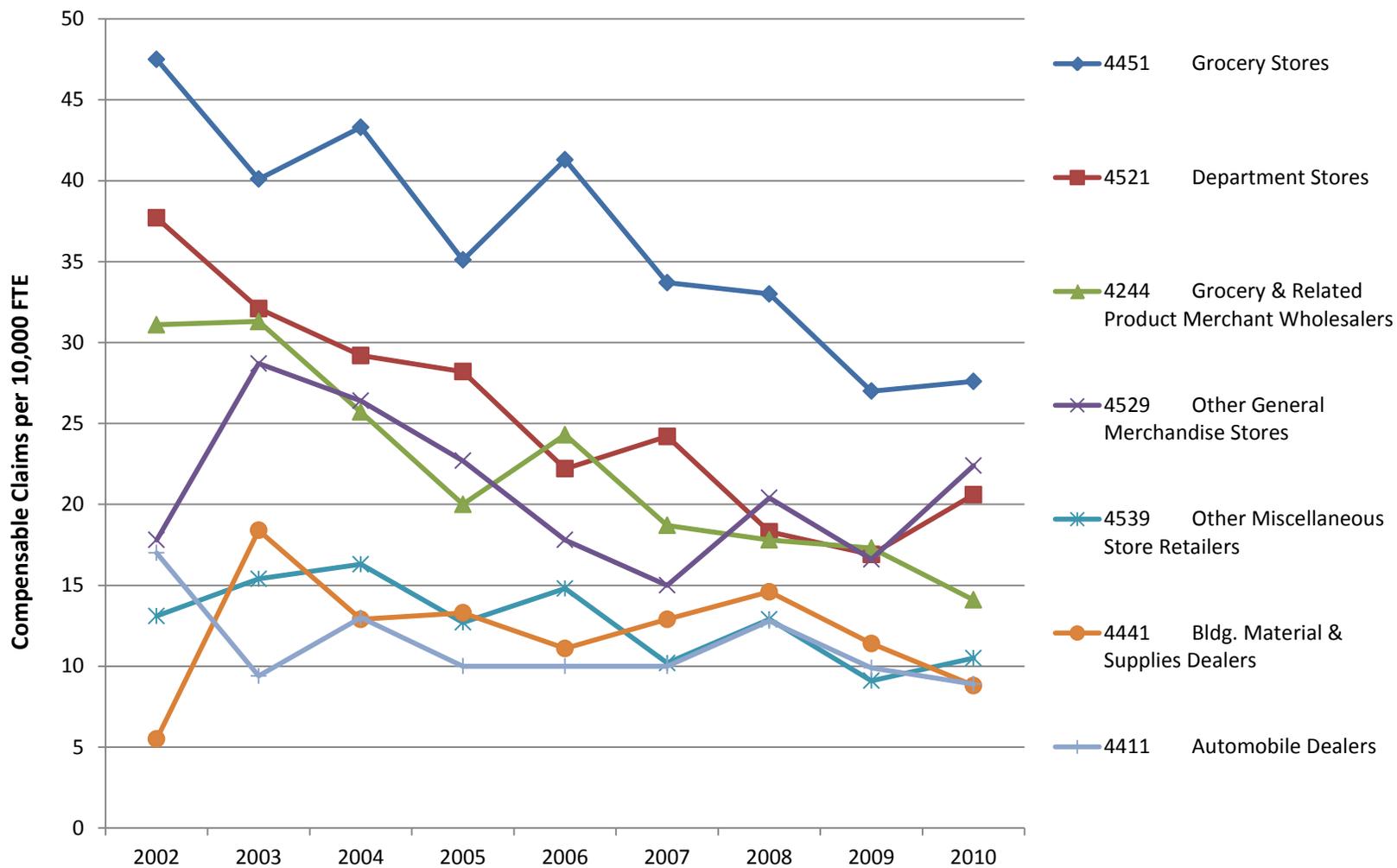


Figure 6. Utilities: Washington Compensable WMSD Rates, HAND/WRIST, 2002-2010.

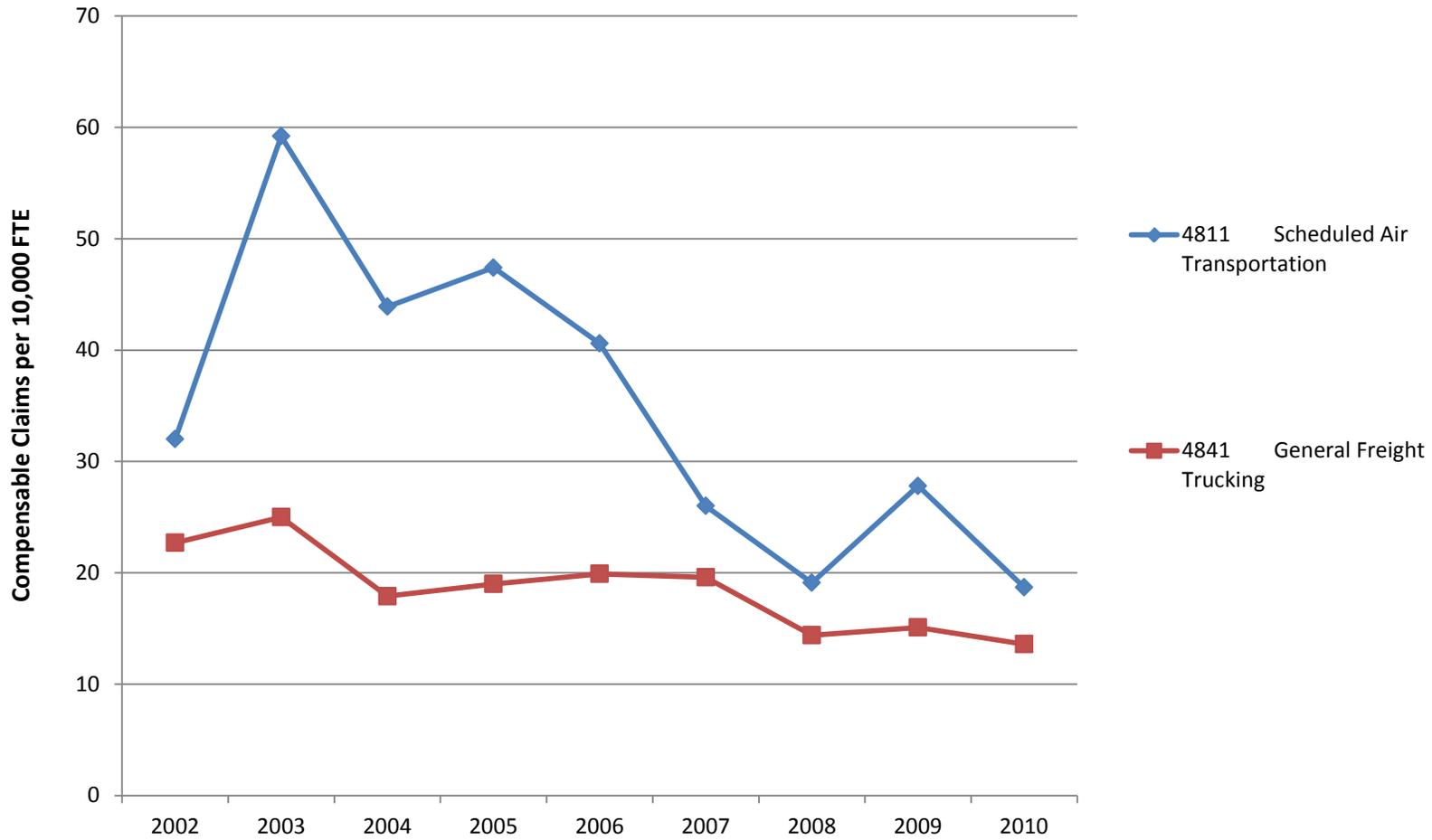


Figure 7. Washington Compensable WMSD Rates, BACK, 2002-2010.

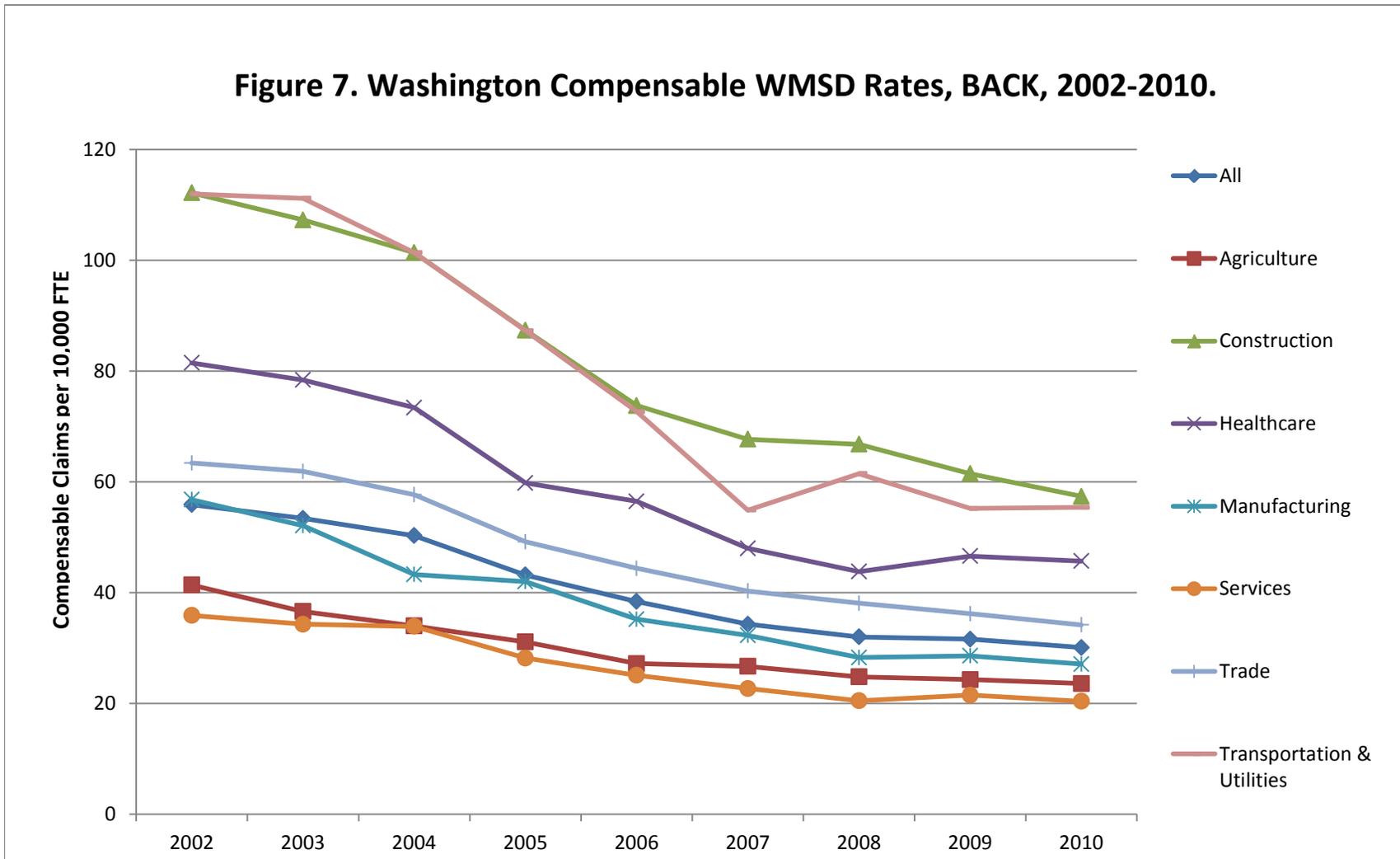


Figure 7. Agriculture: Washington Compensable WMSD Rates, BACK, 2002-2010.

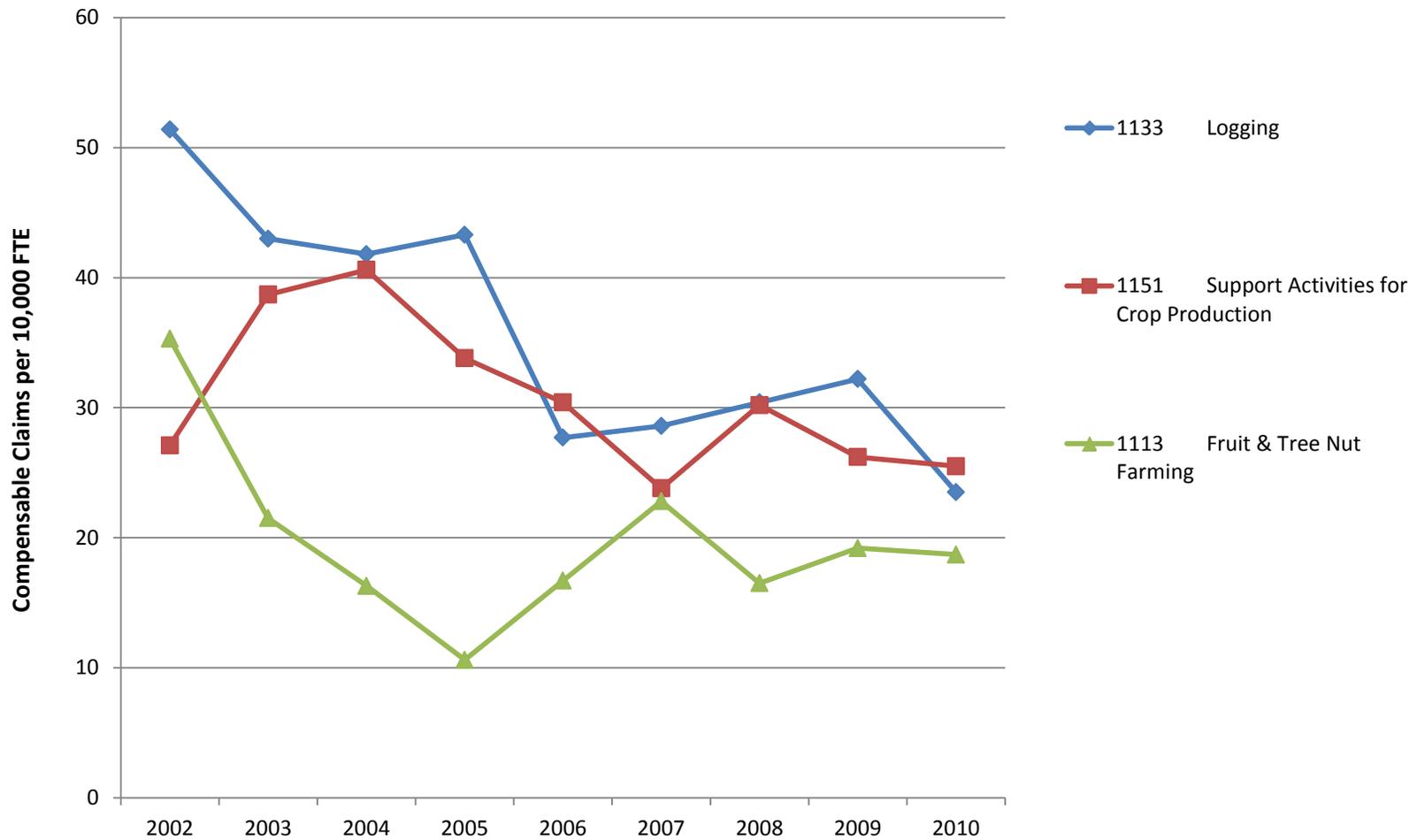


Figure 7. Construction: Washington Compensable WMSD Rates, BACK, 2002-2010.

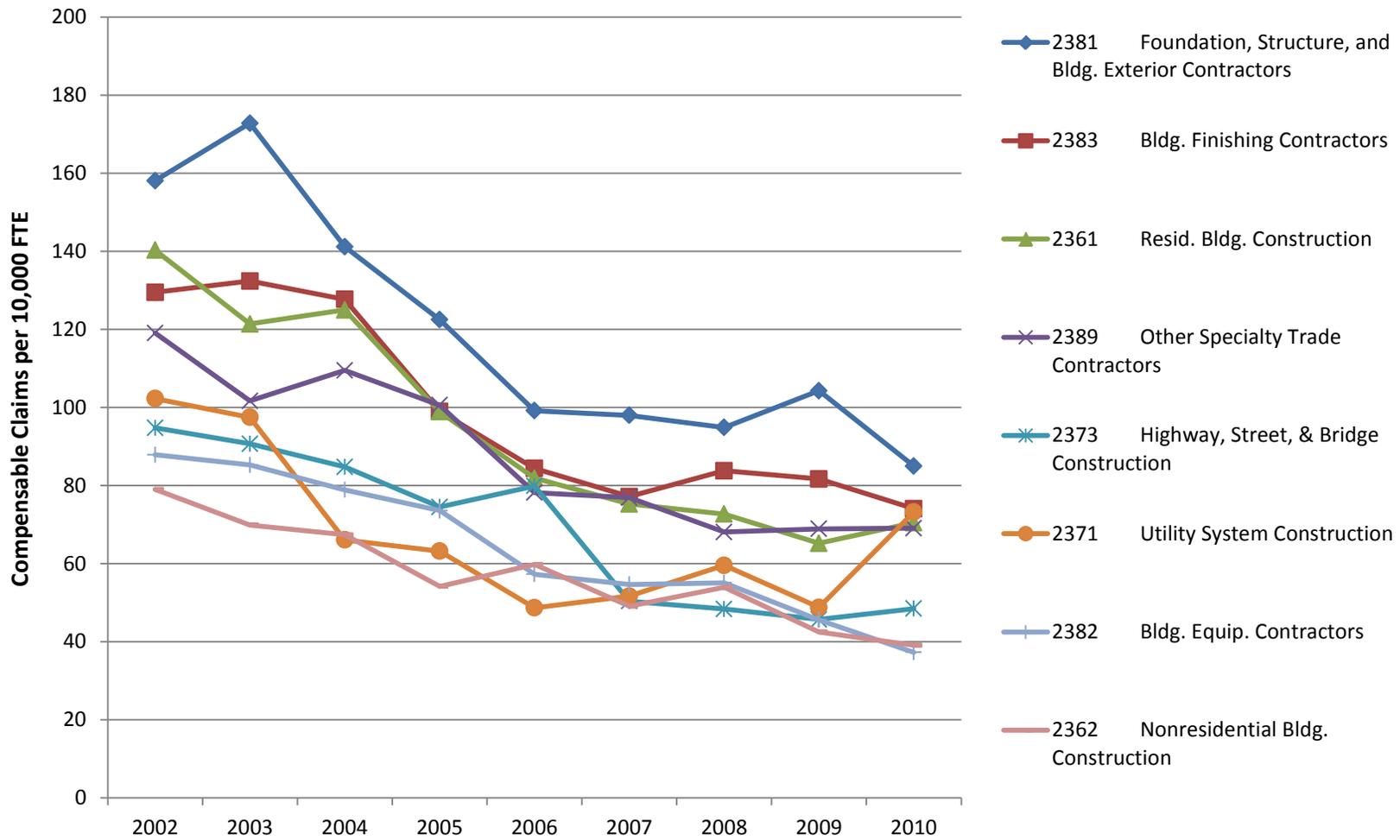


Figure 7. Services: Washington Compensable WMSD Rates, BACK, 2002-2010. (1-6)

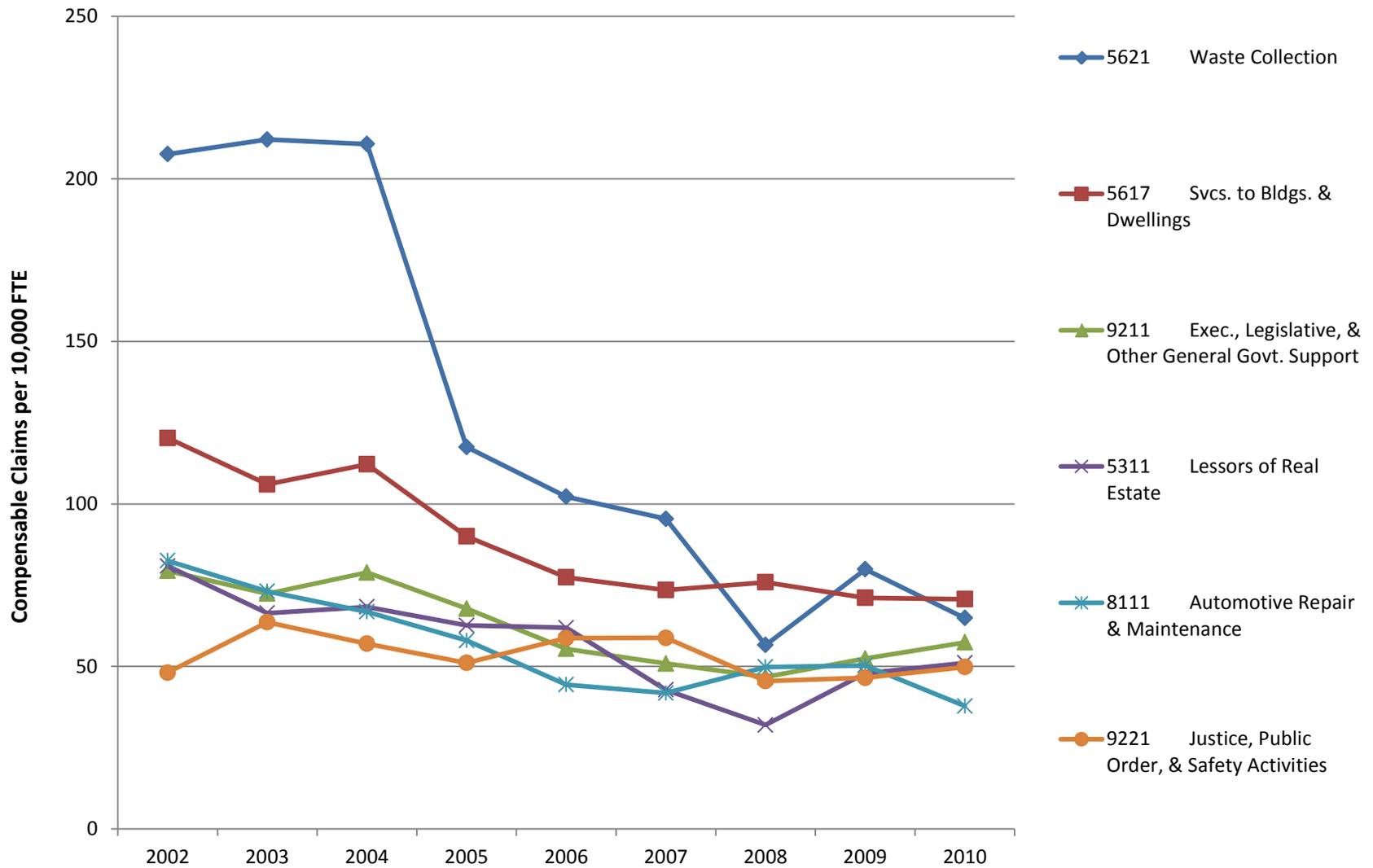


Figure 7. Services: Washington Compensable WMSD Rates, BACK, 2002-2010. (7-12)

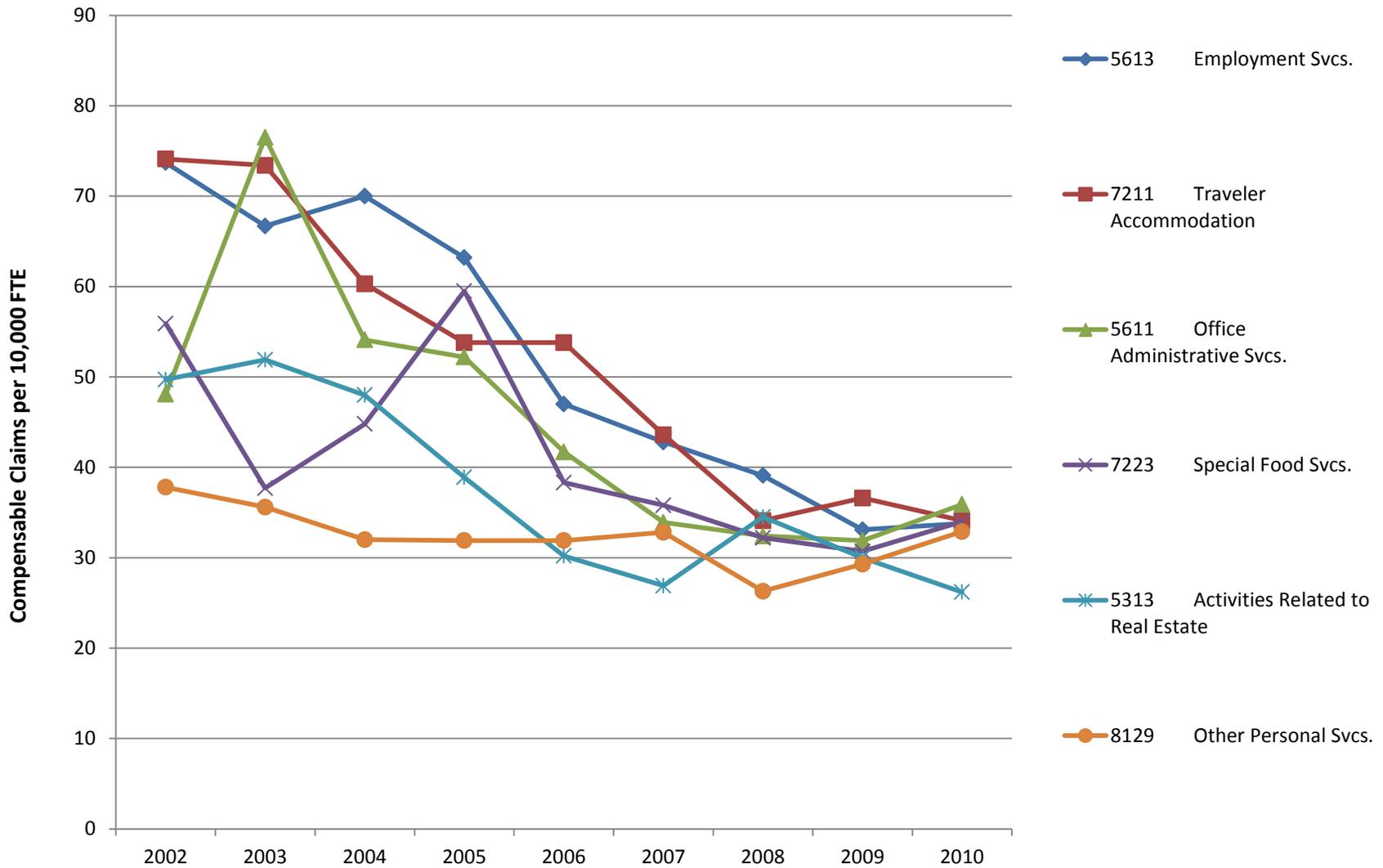


Figure 7. Services: Washington Compensable WMSD Rates, BACK, 2002-2010. (13-18)

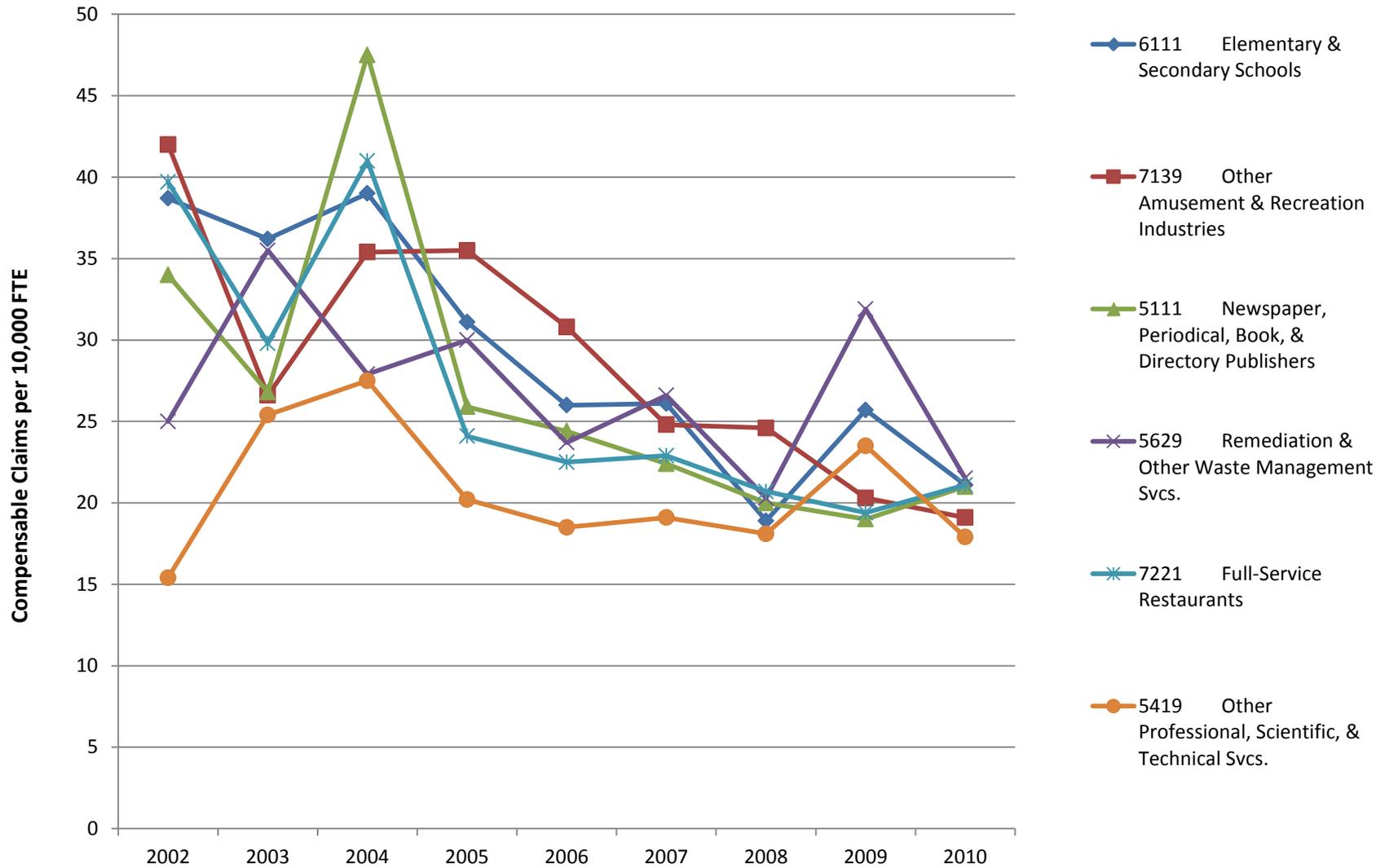


Figure 7. Services: Washington Compensable WMSD Rates, BACK, 2002-2010. (19-24)

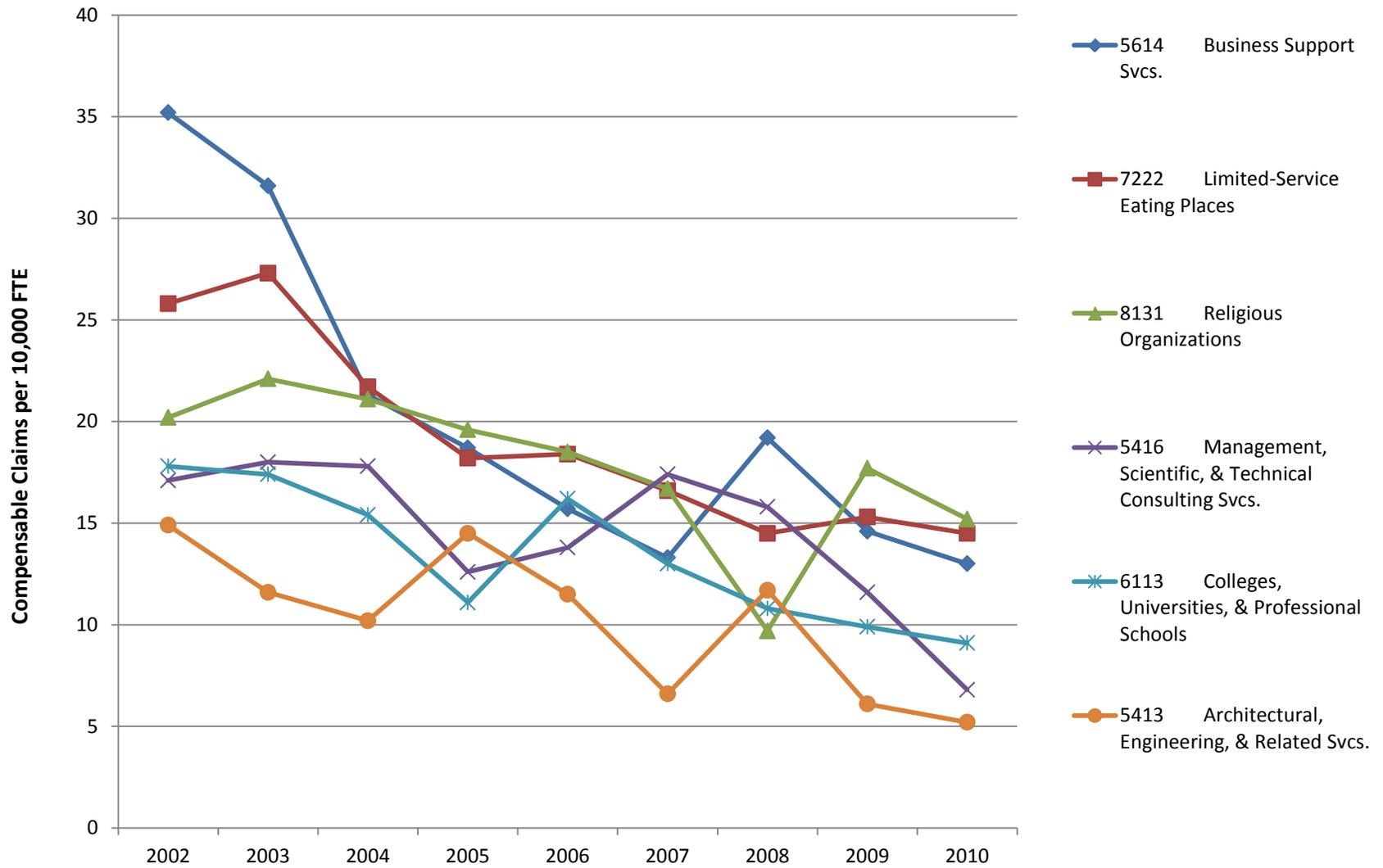


Figure 7. Healthcare: Washington Compensable WMSD Rates, BACK, 2002-2010. (1-6)

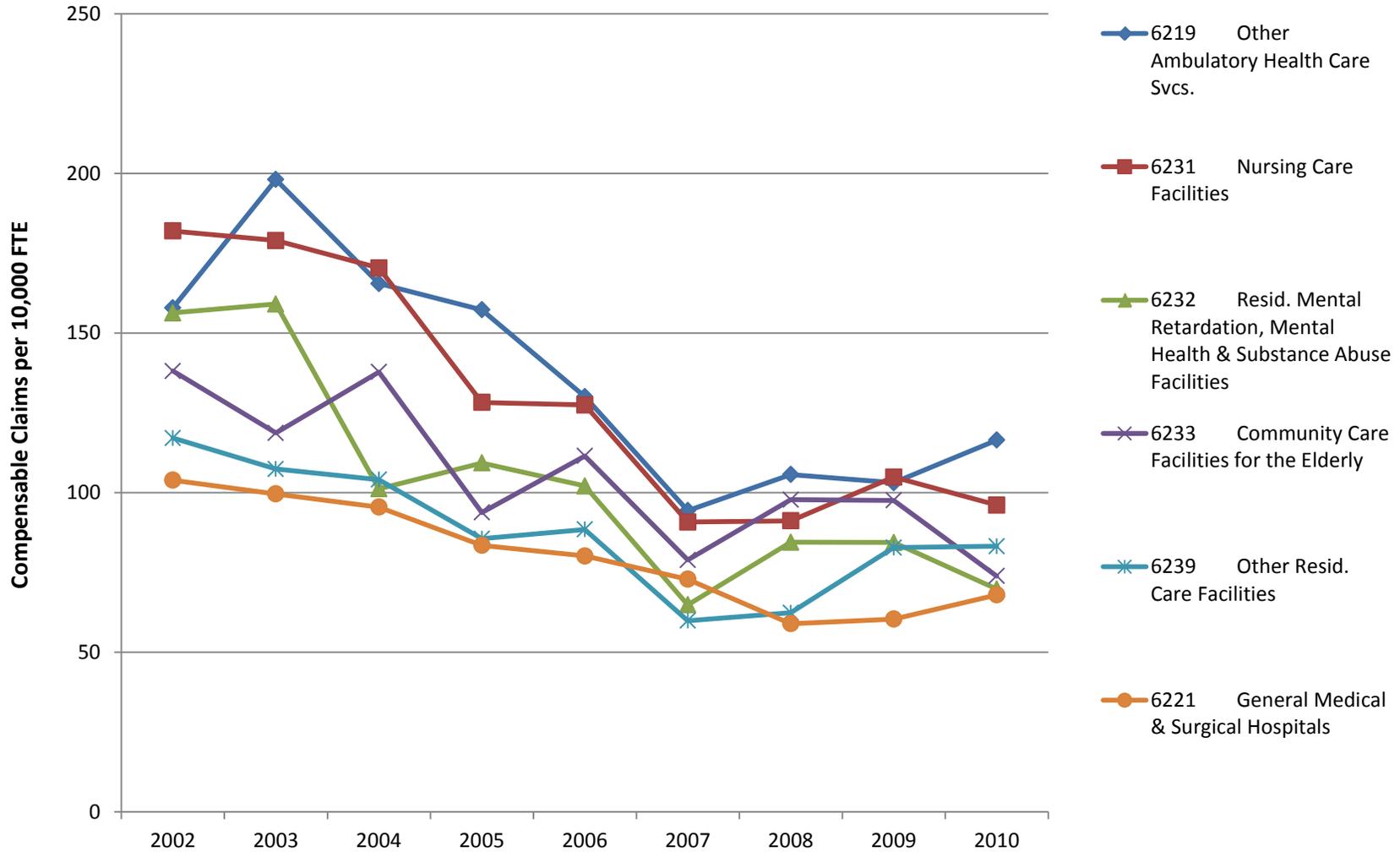


Figure 7. Healthcare: Washington Compensable WMSD Rates, BACK, 2002-2010. (7-12)

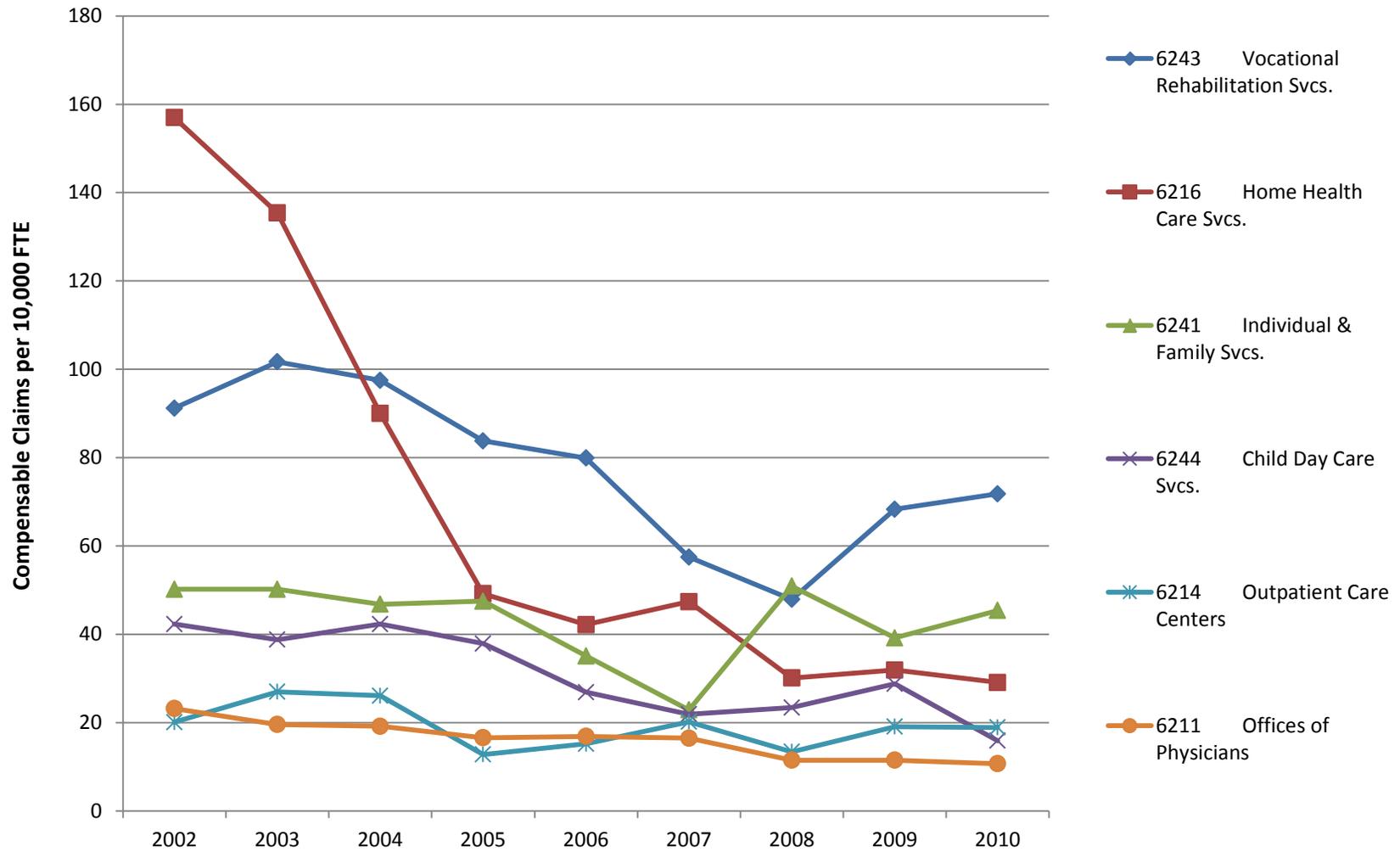


Figure 7. Manufacturing: Washington Compensable WMSD Rates, BACK, 2002-2010.

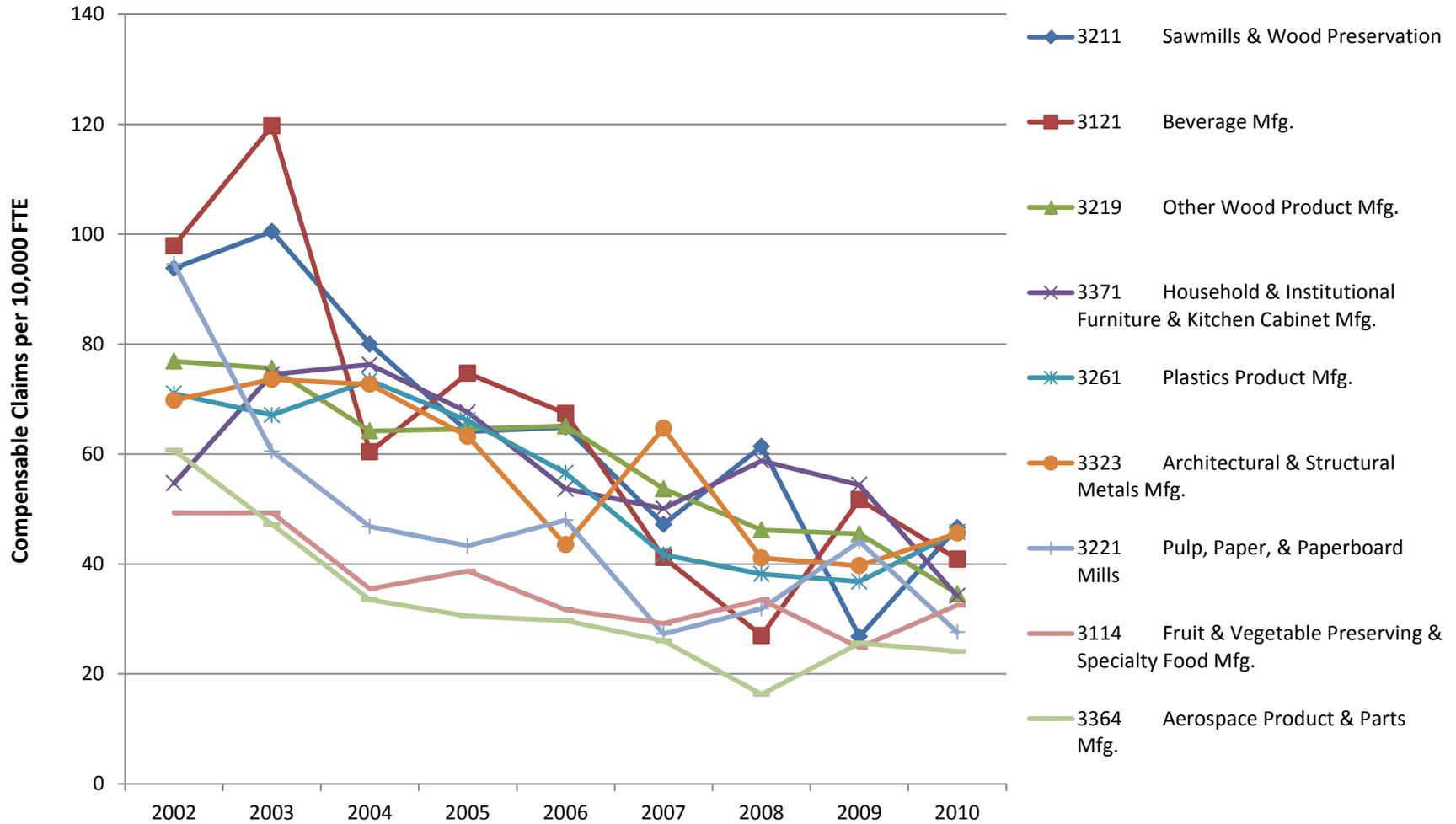


Figure 7. Trade: Washington Compensable WMSD Rates, BACK, 2002-2010. (1-7)

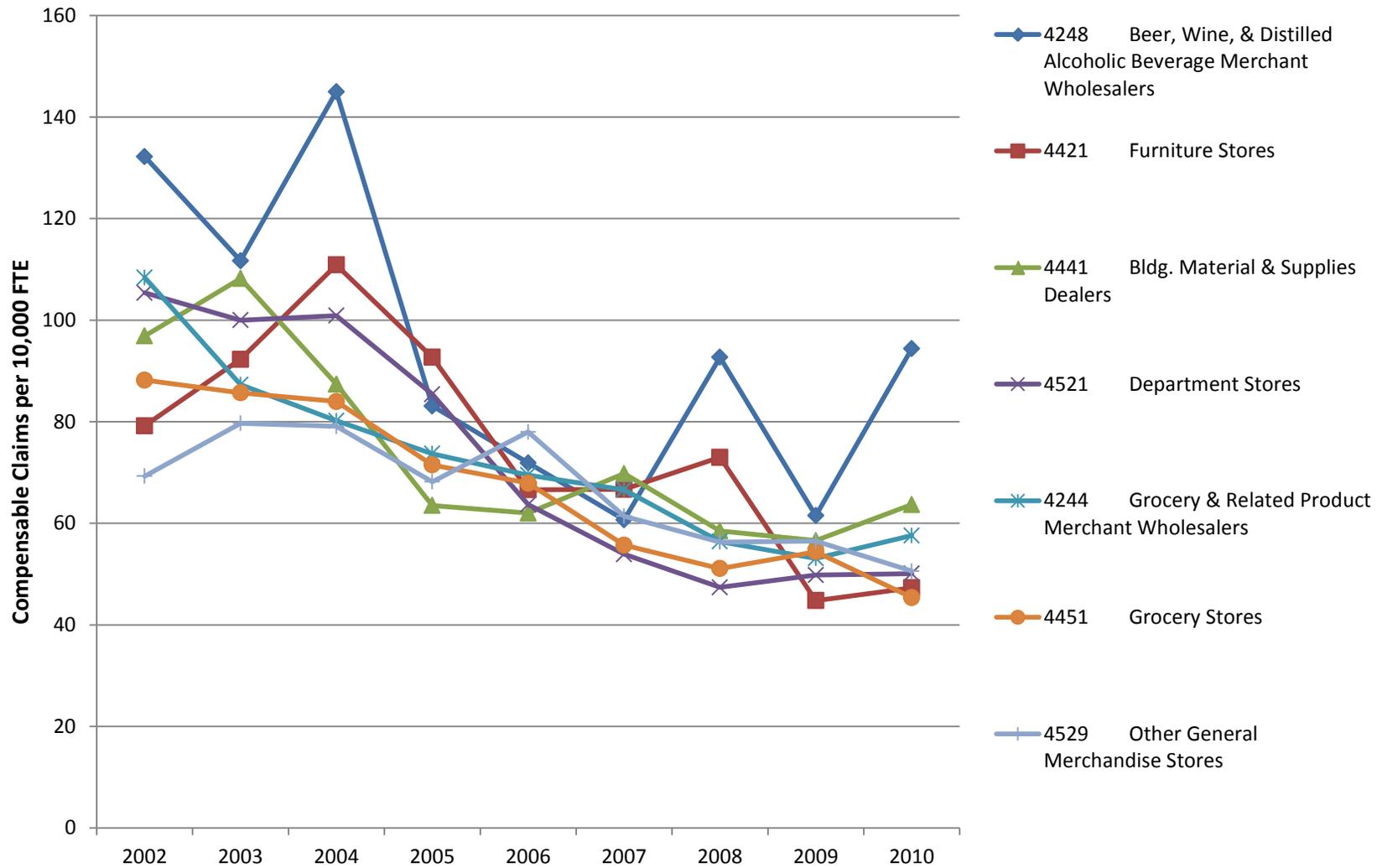


Figure 7. Trade: Washington Compensable WMSD Rates, BACK, 2002-2010. (8-14)

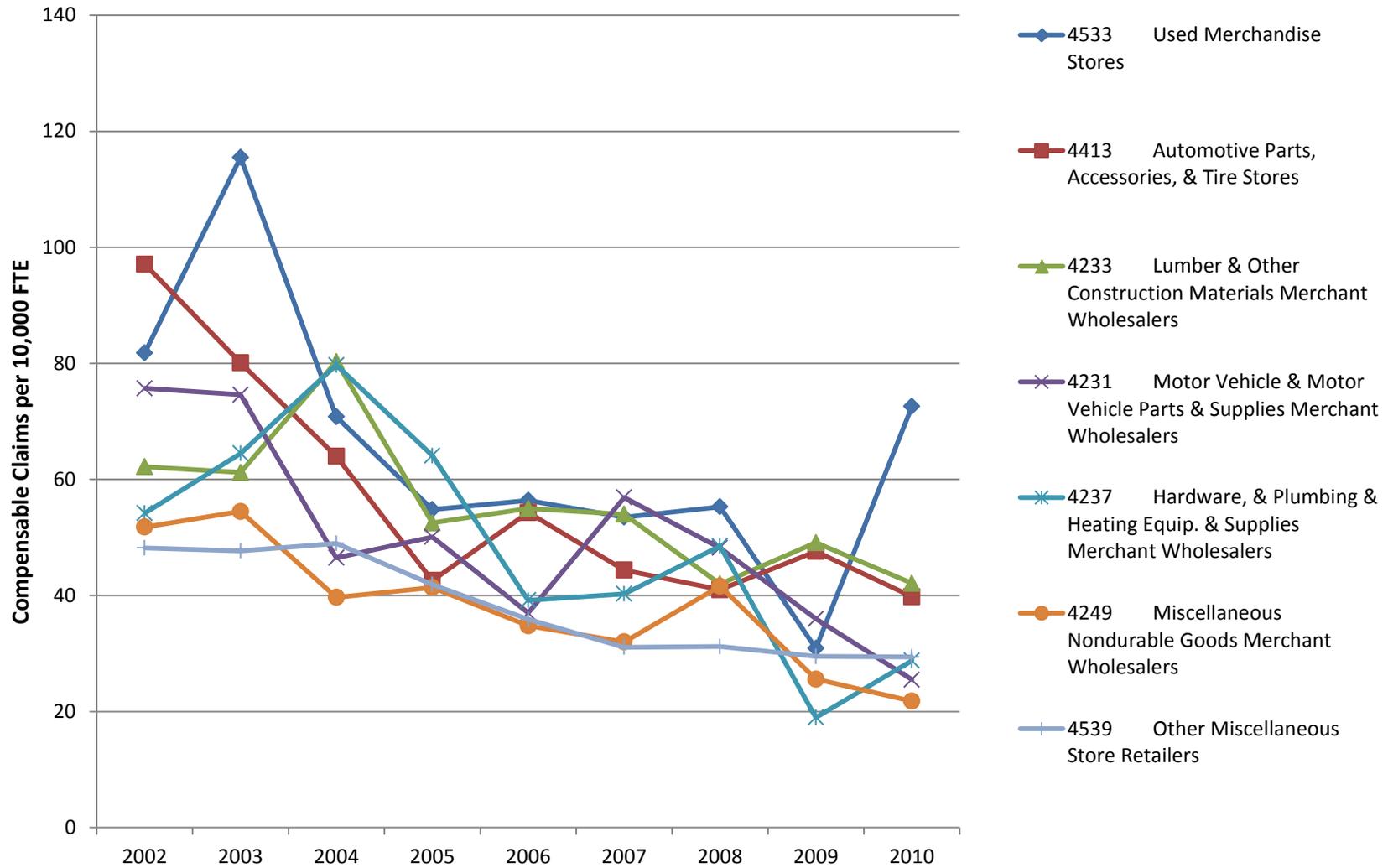


Figure 7. Trade: Washington Compensable WMSD Rates, BACK, 2002-2010. (15-21)

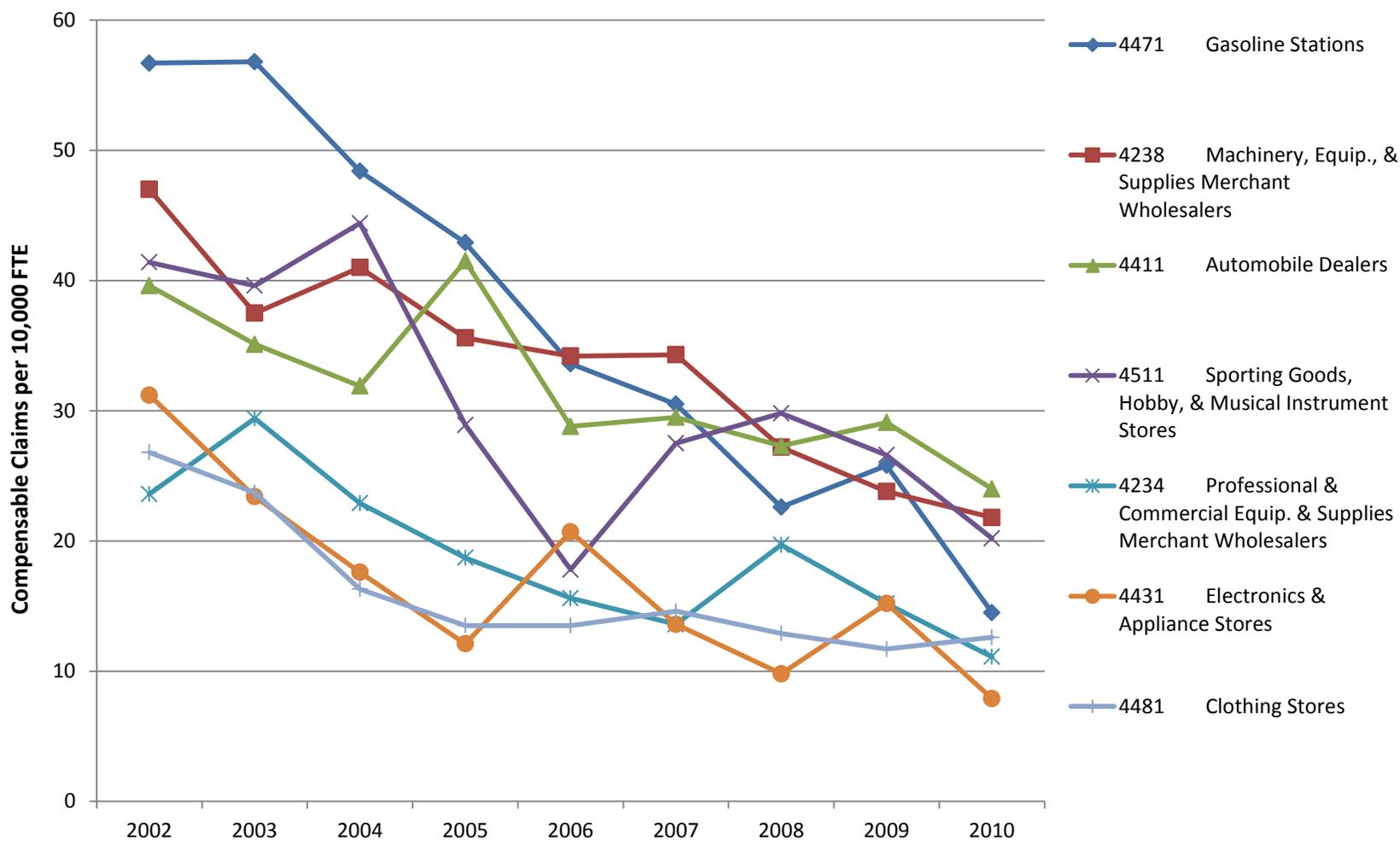


Figure 7. Utilities: Washington Compensable WMSD Rates, BACK, 2002-2010.

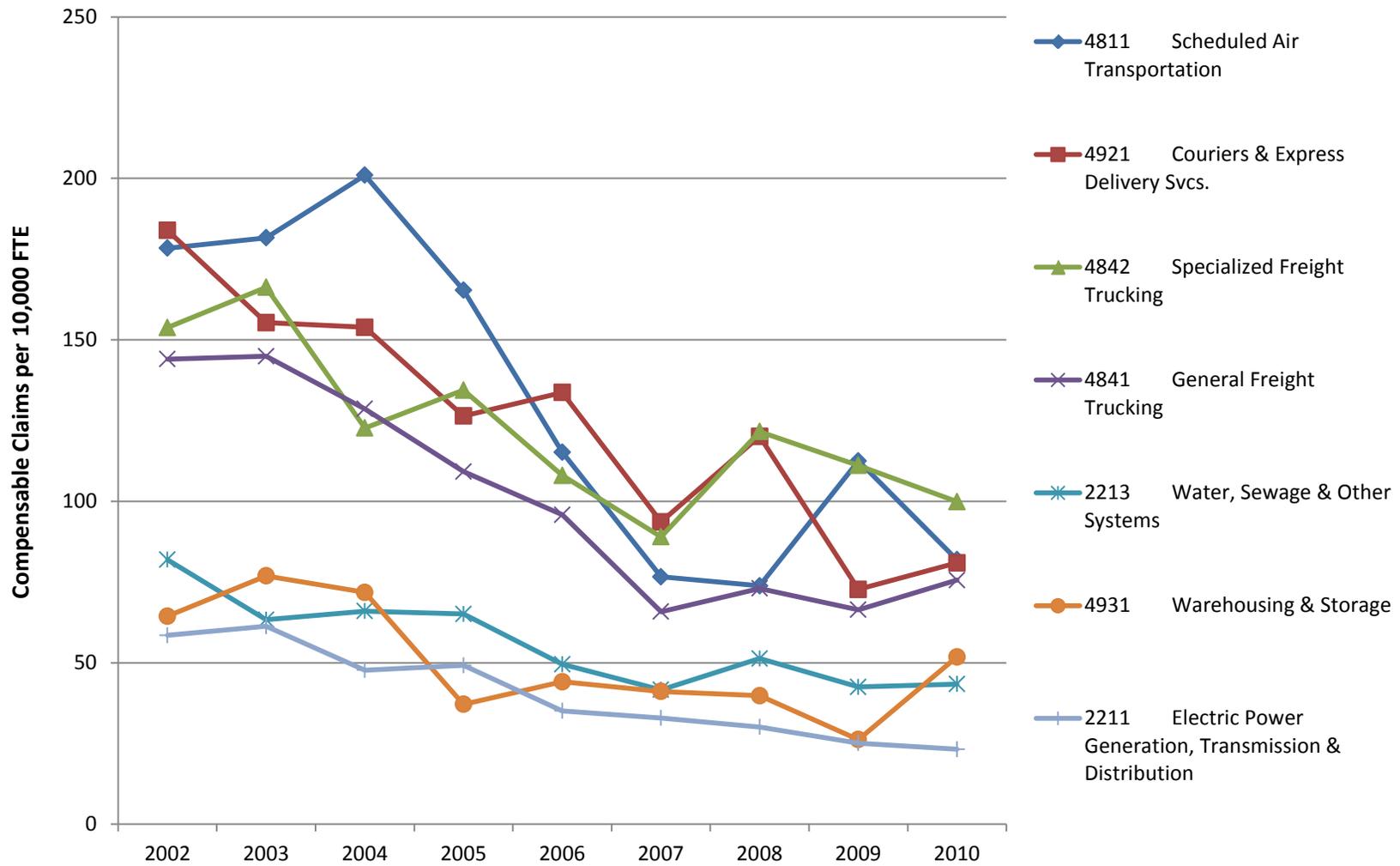
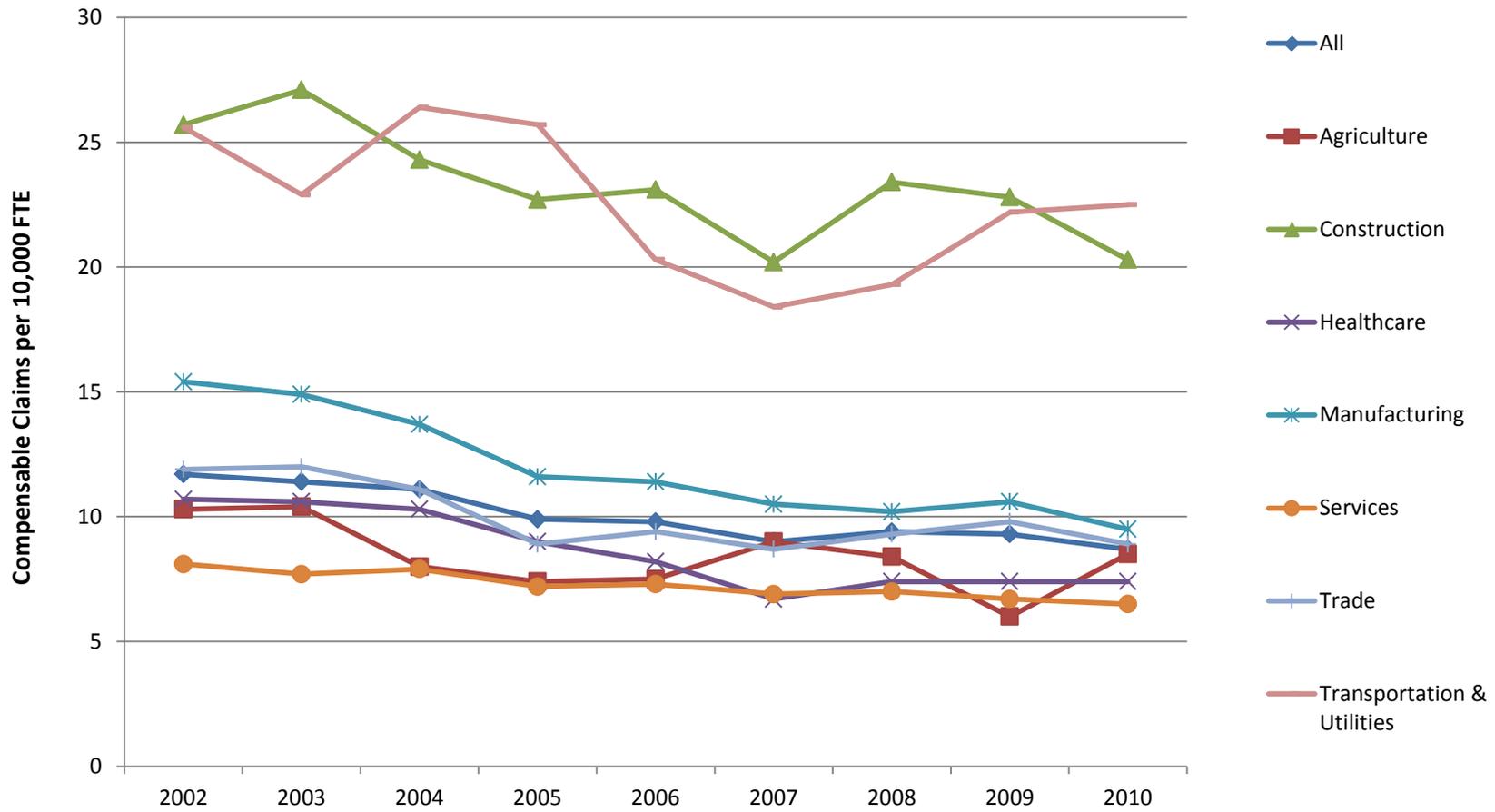


Figure 8. Washington Compensable WMSD Rates, KNEE, 2002-2010.



There was not enough data to display Agriculture at the detailed industry group level.

Figure 8. Construction: Washington Compensable WMSD Rates, KNEE, 2002-2010.

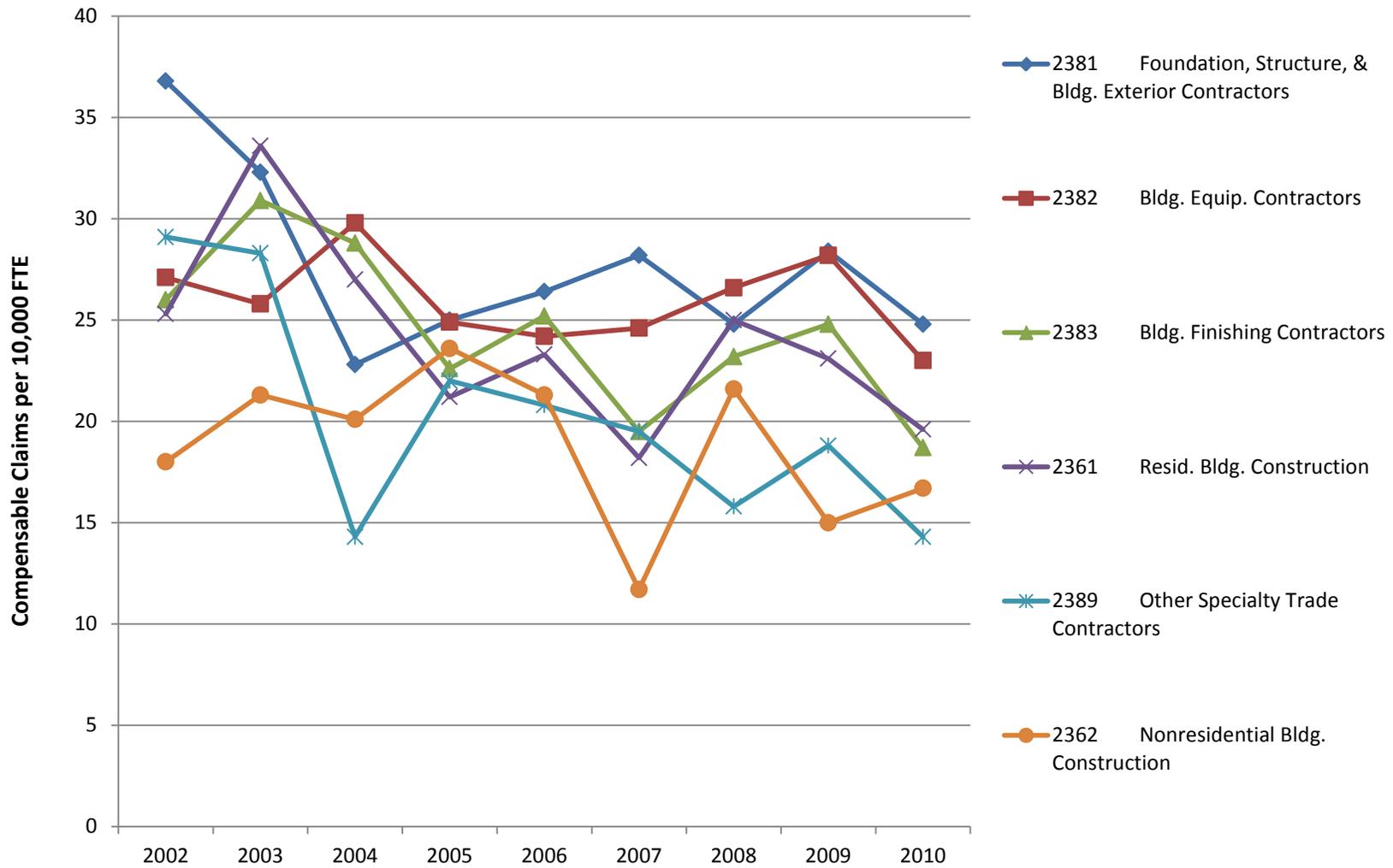


Figure 8. Services: Washington Compensable WMSD Rates, KNEE, 2002-2010.

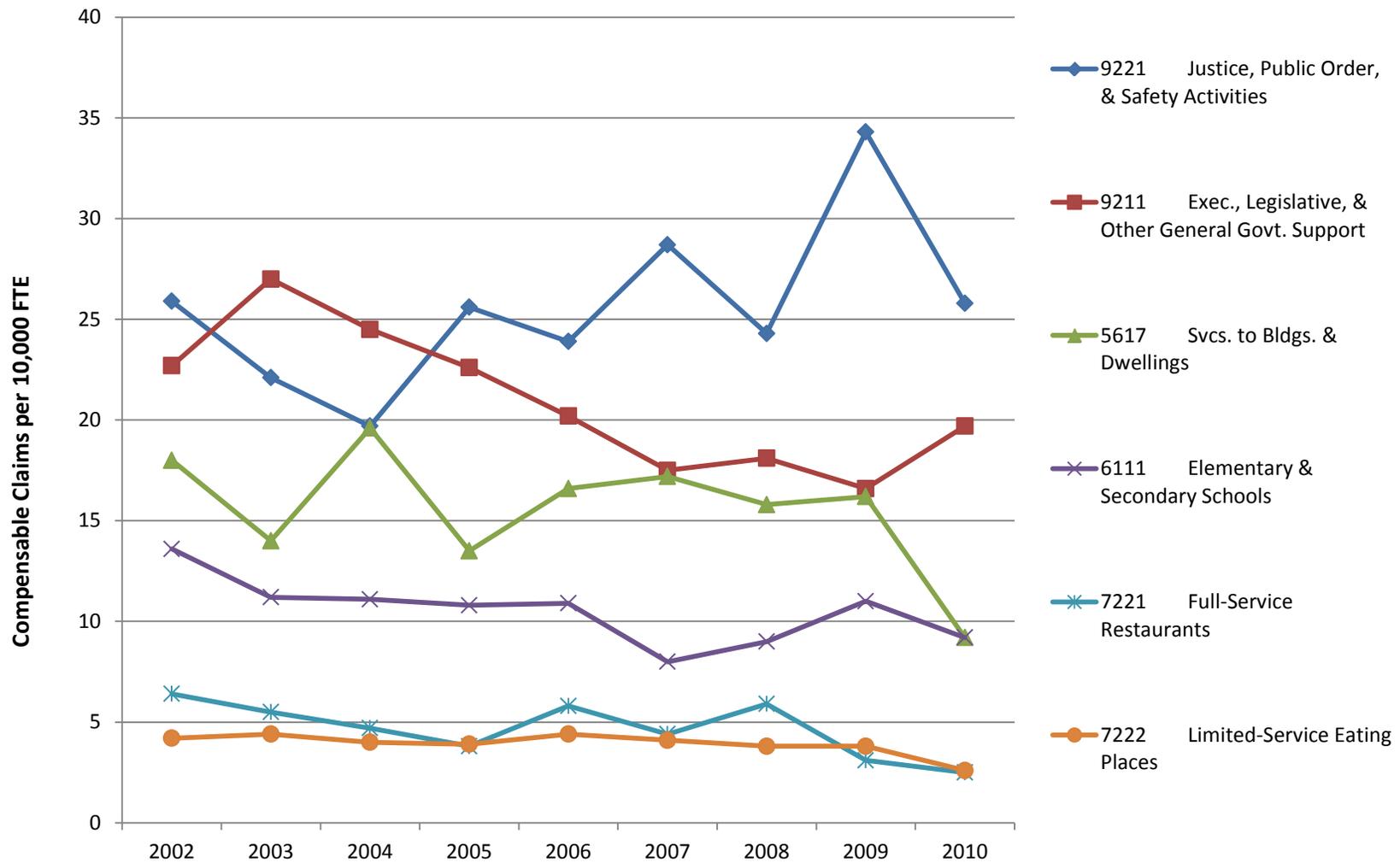


Figure 8. Healthcare: Washington Compensable WMSD Rates, KNEE, 2002-2010.

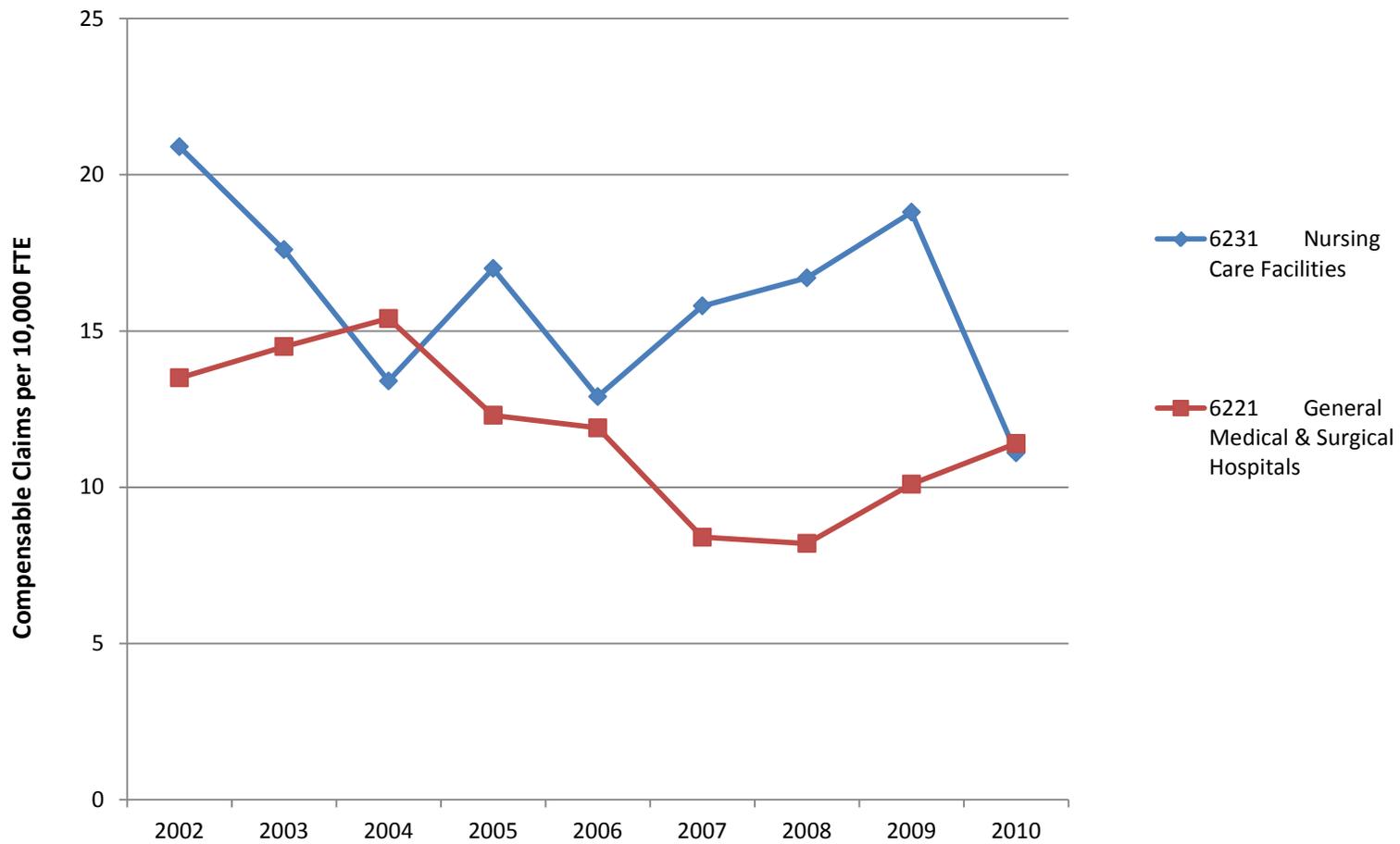


Figure 8. Manufacturing: Washington Compensable WMSD Rates, KNEE, 2002-2010.

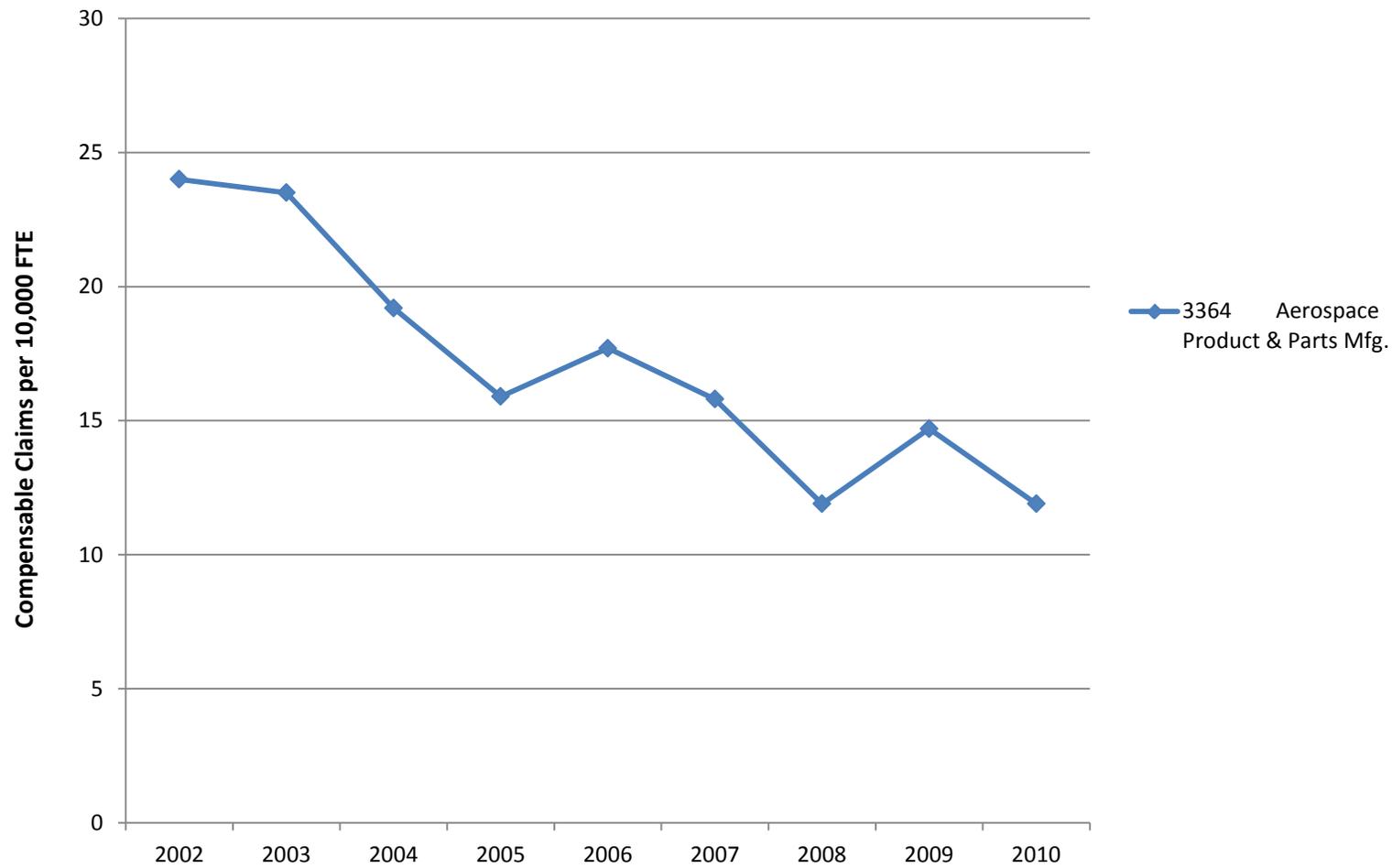


Figure 8. Trade: Washington Compensable WMSD Rates, KNEE, 2002-2010.

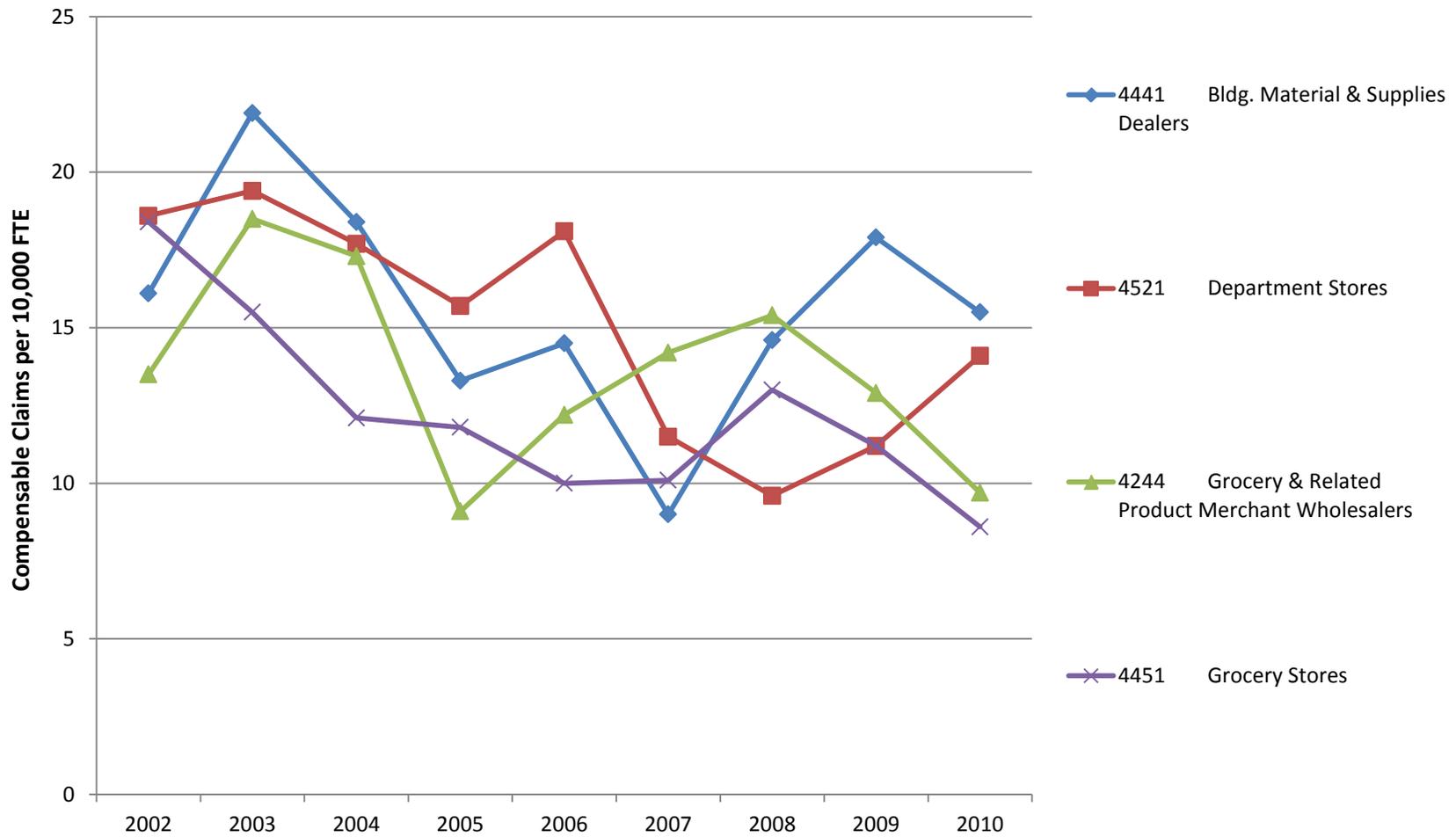


Figure 8. Utilities: Washington Compensable WMSD Rates, KNEE, 2002-2010.

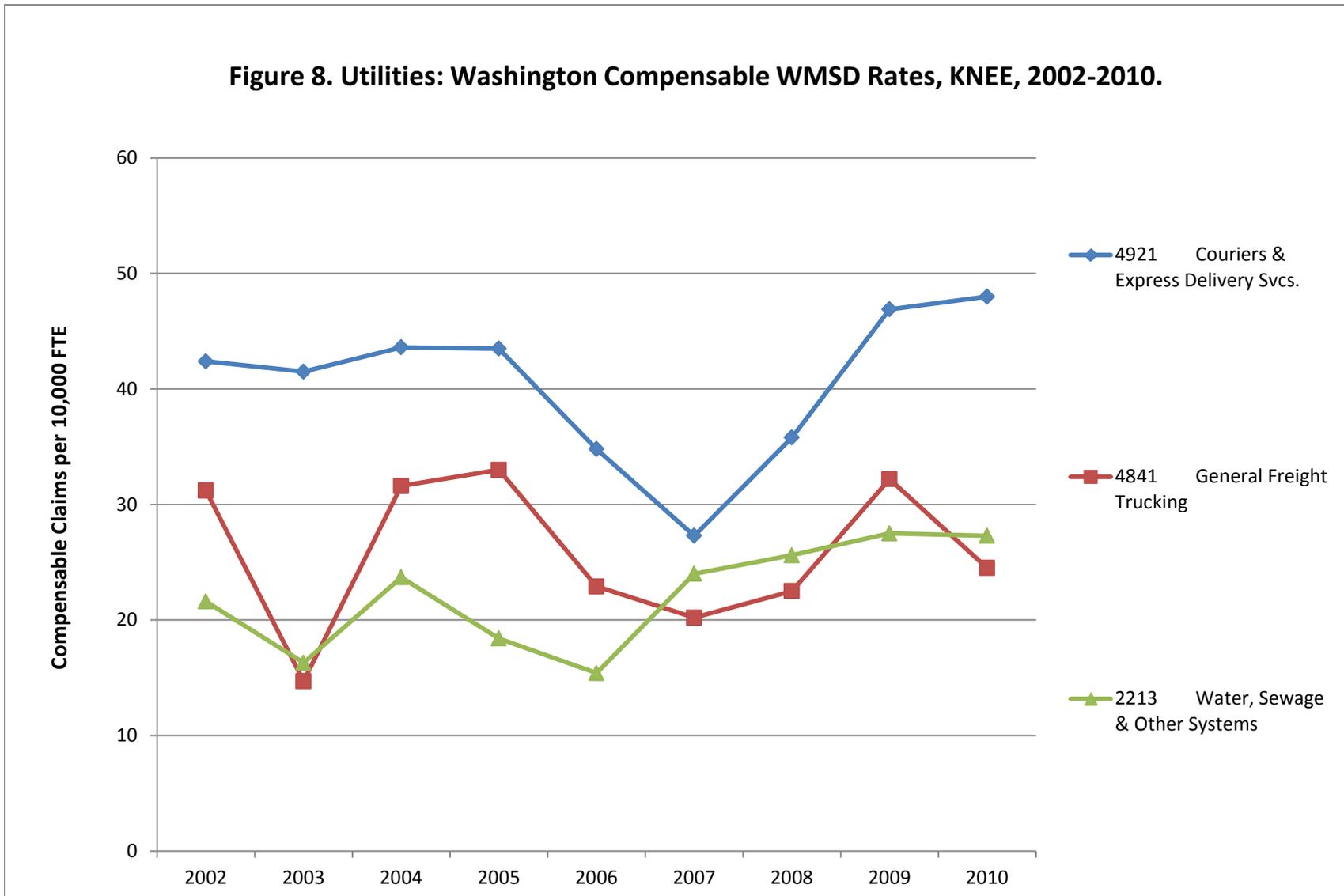
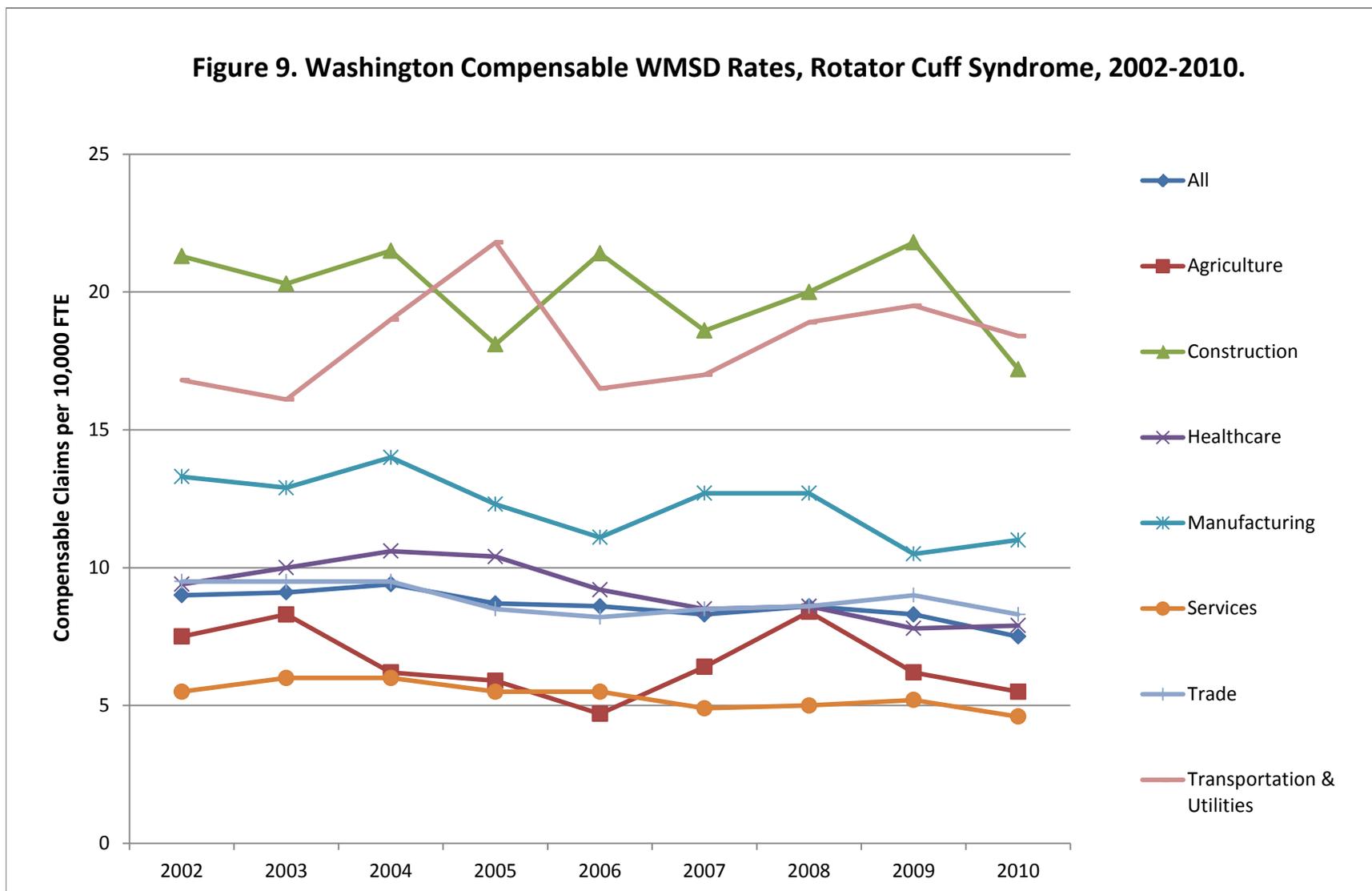
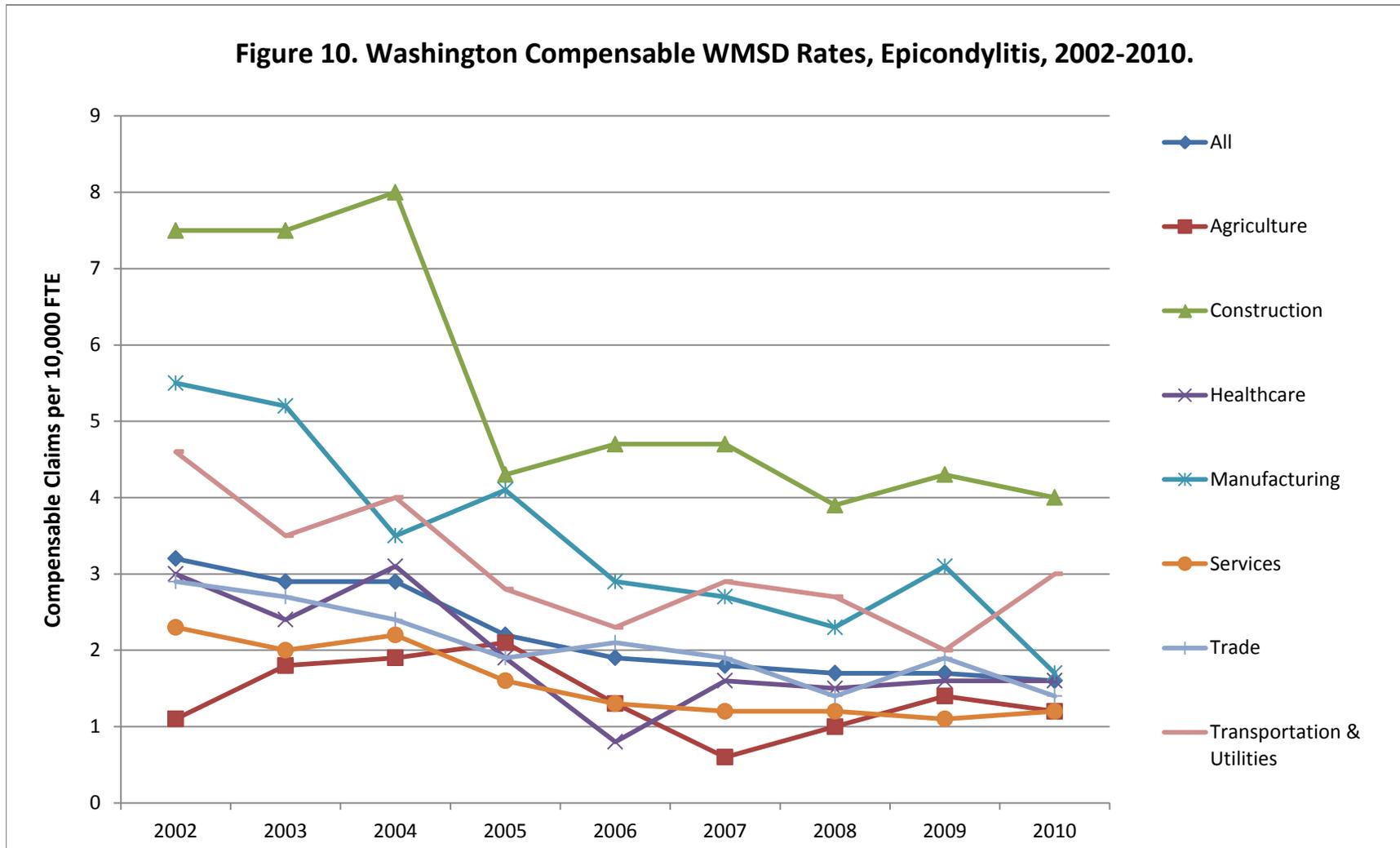


Figure 9. Washington Compensable WMSD Rates, Rotator Cuff Syndrome, 2002-2010.



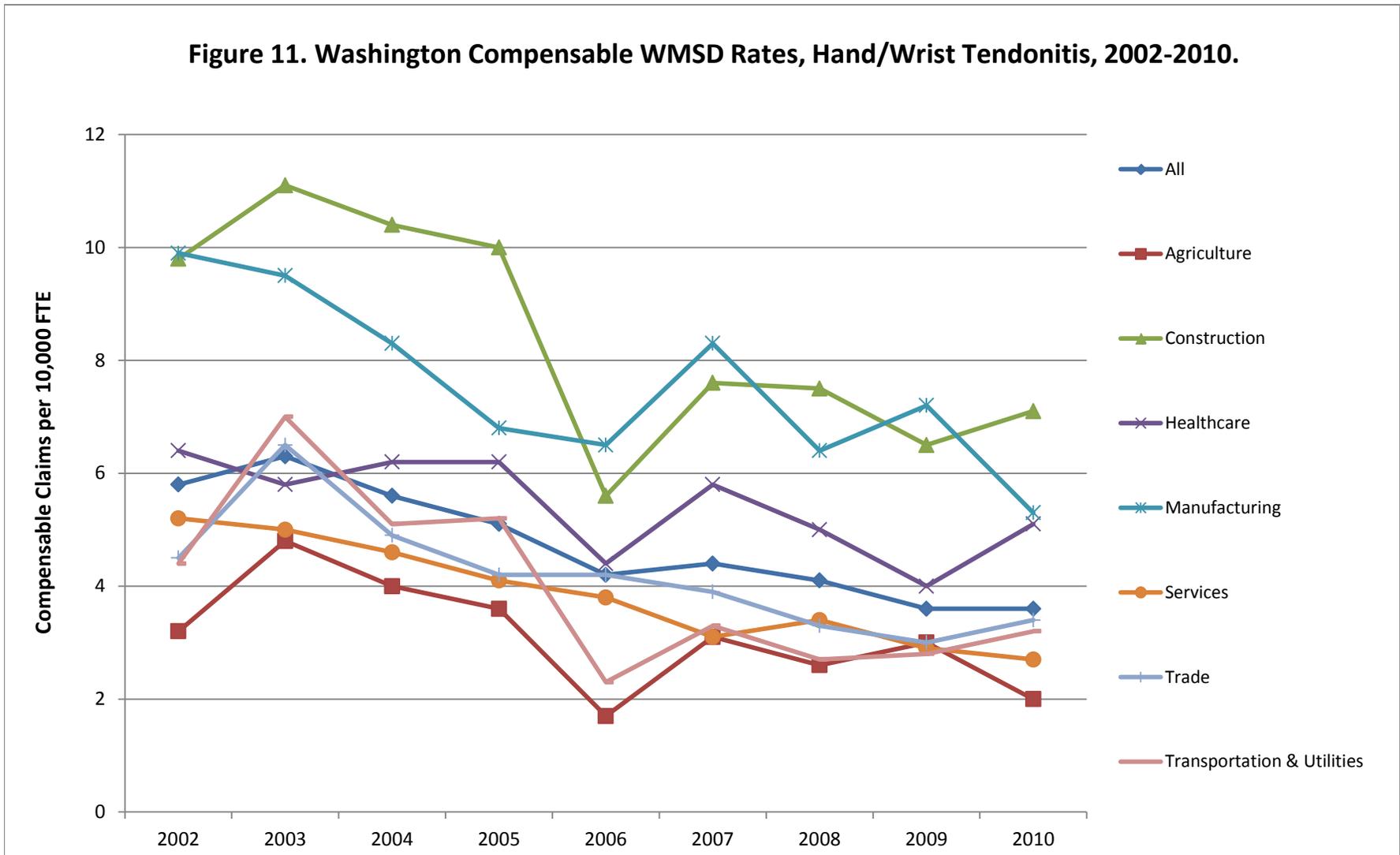
There was not enough data to display any sectors at the detailed industry group level.

Figure 10. Washington Compensable WMSD Rates, Epicondylitis, 2002-2010.



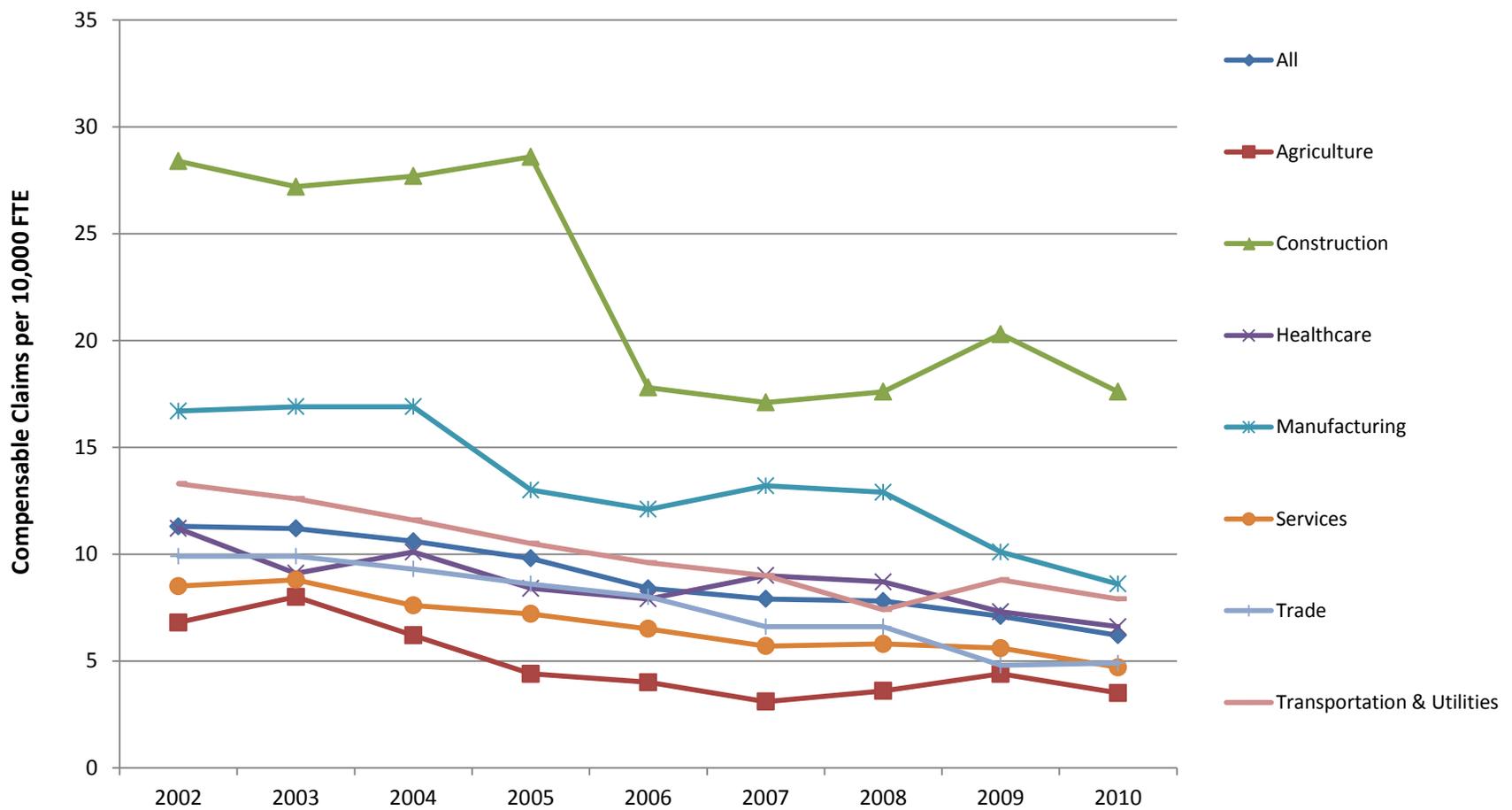
There was not enough data to display any sector at the detailed industry group level.

Figure 11. Washington Compensable WMSD Rates, Hand/Wrist Tendonitis, 2002-2010.



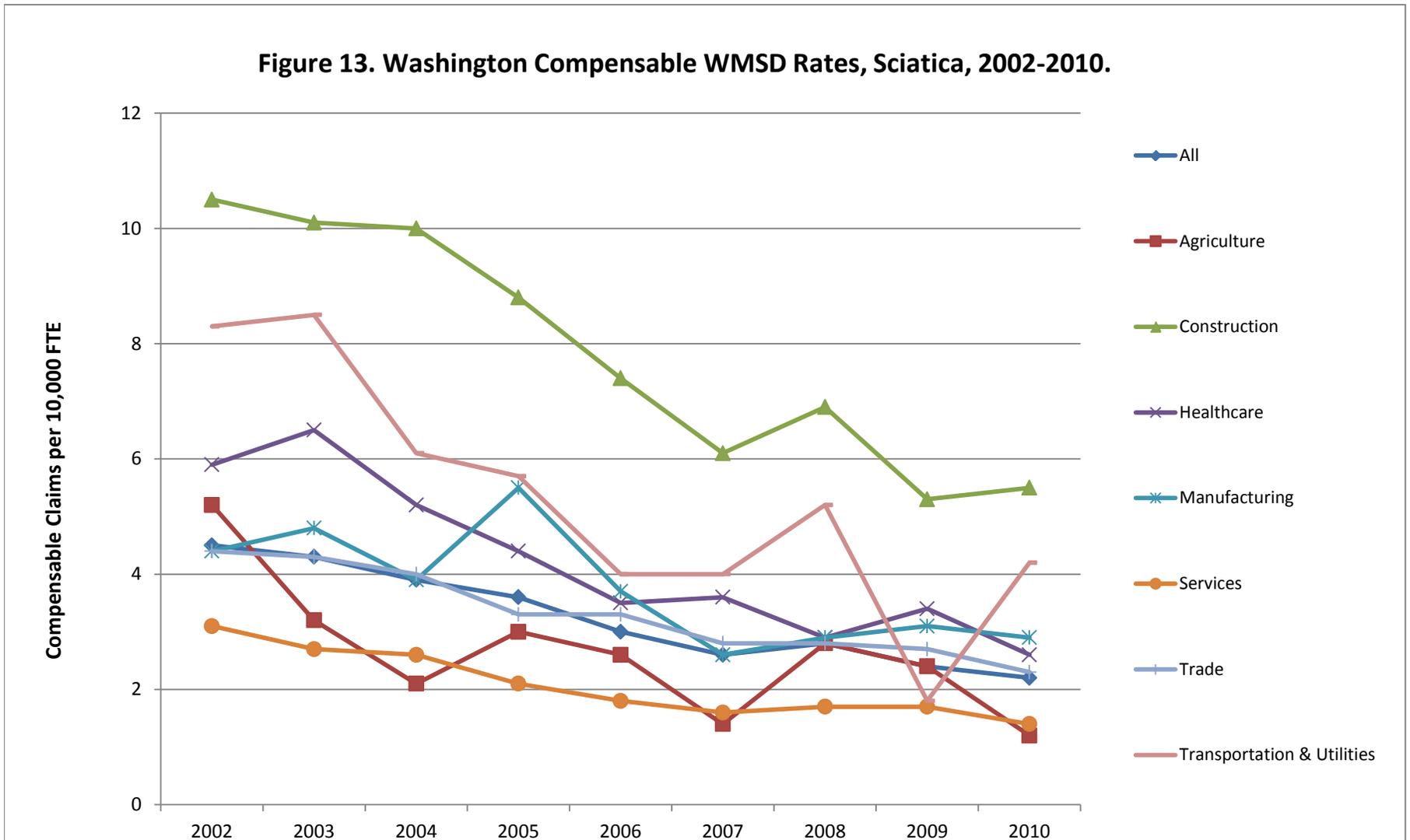
There was not enough data to display any sector at the detailed industry group level.

Figure 12. Washington Compensable WMSD Rates, Carpal Tunnel Syndrome, 2002-2010.



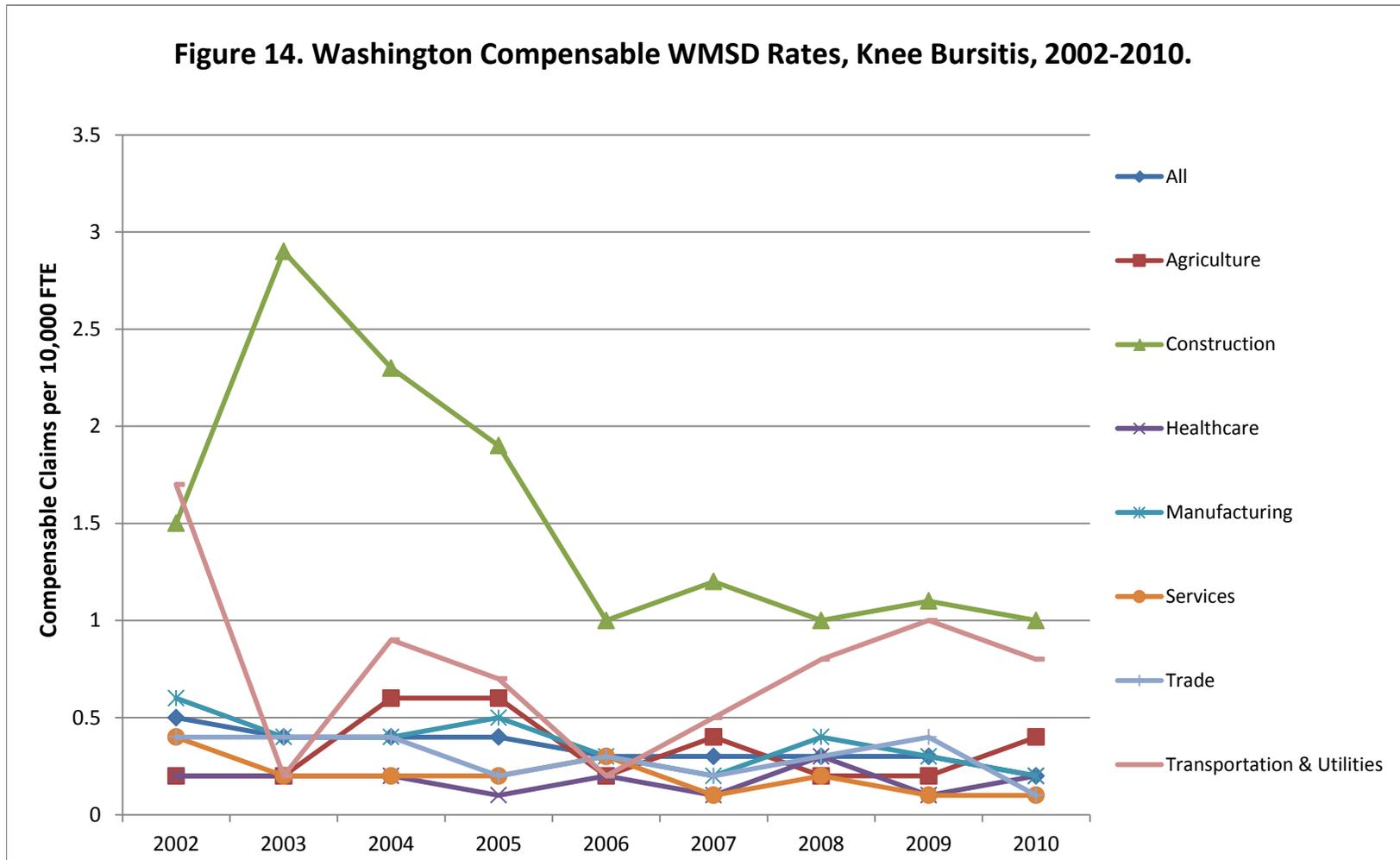
There was not enough data to display any sector at the detailed industry group level.

Figure 13. Washington Compensable WMSD Rates, Sciatica, 2002-2010.



There was not enough data to display any sectors at the detailed industry group level.

Figure 14. Washington Compensable WMSD Rates, Knee Bursitis, 2002-2010.



There was not enough data to display any sector at the detailed industry group level.

| NORA GROUP (code used in tables) | NAICS | Description |
|---|--------|--|
| Agriculture, Forestry & Fishing (A) | 11 | Agriculture, Forestry, Fishing and Hunting |
| Construction (C) | 23 | Construction |
| Healthcare & Social Assistance (H) | 62 | Health Care and Social Assistance |
| | 54194 | Veterinary Services* |
| | 81291 | Pet Care (except Veterinary) Services* |
| Manufacturing (M) | 31 | Manufacturing |
| | 32 | Manufacturing |
| | 33 | Manufacturing |
| Mining (except Oil and Gas Extraction)** | 21 | Mining, Quarrying, and Oil and Gas Extraction |
| Oil and Gas Extraction** | 211 | Oil and Gas Extraction |
| | 213111 | Drilling Oil and Gas Wells |
| | 213112 | Support Activities for Oil and Gas Operations |
| Public Safety† | 92212 | Police Protection |
| | 92214 | Correctional Institutions |
| | 92216 | Fire Protection |
| | 62191 | Ambulance Services |
| Services (except Public Safety) (S) | 51 | Information |
| | 52 | Finance and Insurance |
| | 53 | Real Estate and Rental and Leasing |
| | 54 | Professional, Scientific, and Technical Services |
| | 55 | Management of Companies and Enterprises |
| | 56 | Administrative and Support and Waste Management and Remediation Services |
| | 61 | Educational Services |
| | 71 | Arts, Entertainment, and Recreation |
| | 72 | Accommodation and Food Services |
| | 81 | Other Services (except Public Administration) |
| | 92 | Public Administration |
| Transportation, Warehousing & Utilities (U) | 48 | Transportation and Warehousing |
| | 49 | Transportation and Warehousing |
| | 22 | Utilities |
| Wholesale and Retail Trade (T) | 42 | Wholesale Trade |
| | 44 | Retail Trade |
| | 45 | Retail Trade |

*Veterinary Services and Pet Care included under Services sector for this report.

** Mining, Oil and Gas Extraction not included - limited representation in Washington State.

† Public Safety included in Services sector for this report.