

The following table is provided in response to Engrossed Substitute Senate Bill (ESSB) 5217, passed by the 2023 Legislature and codified in RCW 49.17. This legislation repeals the prohibition on regulating working practices related to musculoskeletal injuries and disorders and allows the Washington State Department of Labor & Industries (L&I, the department) to adopt one rule for either one industry or one risk class in a 12-month period, and no rule can be in effect before July 1, 2026. Washington State workers' compensation data for compensable work-related musculoskeletal disorder (WMSD) claims were analyzed to determine industry or risk class eligibility for ergonomic rule making. Information on how the data were analyzed for this table, and which industries and risk classes have been identified as high priority for rule making is detailed in the 2023 report, 'Industries and Risk Classifications Eligible for Ergonomic Rulemaking'.

Compensable¹ WMSD claims by NAICS three-digit subsector code, Washington State, 2017–2021

NAICS code	NAICS description	WMSD claim rate compared to all statewide (Rate Ratio)	WMSD claim rate per 1,000 FTE ²	Predicted ³ rate ratio <2 2024	Number of workers' compensation accounts ⁴	Average number of WMSD claims per year	Average number of FTE ² per year
---	All statewide	1.0	4.4	--	275,056	11,884.6	2,680,567.2
111	Crop Production	0.7	3.2	N	5,980	169.0	52,711.4
112	Animal Production	1.2	5.3	N	1,101	43.4	8,199.0
113	Forestry and Logging	1.6	6.9	N	584	20.8	3,024.6
114	Fishing, Hunting and Trapping	2.4	10.7	N	80	7.2	672.6
115	Support Activities for Agriculture and Forestry	0.9	4.2	Y	1,914	125.2	29,753.3
211	Oil and Gas Extraction	0.0	0.0	N	1	0.0	38.9
212	Mining (except Oil and Gas)	1.4	6.2	N	119	13.6	2,178.1
213	Support Activities for Mining	0.7	3.1	N	71	1.4	445.6
221	Utilities	0.8	3.4	Y	399	45.8	13,302.4
236	Construction of Buildings	1.3	5.8	Y	13,879	259.4	44,738.9
237	Heavy and Civil Engineering Construction	1.1	4.7	Y	1,506	94.2	20,146.5
238	Specialty Trade Contractors	1.4	6.1	Y	25,256	698.8	113,936.9
311	Food Manufacturing	1.7	7.6	N	1,331	237.4	31,309.4
312	Beverage and Tobacco Product Manufacturing	1.3	5.7	Y	953	45.0	7,837.2
313	Textile Mills	1.0	4.3	Y	64	3.0	692.7

NAICS code	NAICS description	WMSD claim rate compared to all statewide (Rate Ratio)	WMSD claim rate per 1,000 FTE²	Predicted³ rate ratio <2 2024	Number of workers' compensation accounts⁴	Average number of WMSD claims per year	Average number of FTE² per year
314	Textile Product Mills	0.7	3.0	N	183	5.0	1,656.0
315	Apparel Manufacturing	0.5	2.1	N	103	2.2	1,051.5
316	Leather and Allied Product Manufacturing	0.7	2.9	Y	43	1.0	345.4
321	Wood Product Manufacturing	1.6	7.1	Y	444	77.0	10,901.2
322	Paper Manufacturing	1.0	4.5	Y	90	29.2	6,503.2
323	Printing and Related Support Activities	0.4	1.8	Y	604	6.4	3,532.3
324	Petroleum and Coal Products Manufacturing	0.3	1.5	N	22	3.2	2,187.5
325	Chemical Manufacturing	0.7	3.2	Y	324	49.0	15,135.7
326	Plastics and Rubber Products Manufacturing	1.3	5.8	Y	229	41.4	7,129.6
327	Nonmetallic Mineral Product Manufacturing	1.2	5.5	Y	309	40.0	7,295.5
331	Primary Metal Manufacturing	1.8	7.8	N	120	40.8	5,235.1
332	Fabricated Metal Product Manufacturing	1.1	4.8	Y	1,266	83.4	17,251.0
333	Machinery Manufacturing	0.6	2.8	Y	445	25.4	9,061.3
334	Computer and Electronic Product Manufacturing	0.3	1.2	Y	378	18.4	15,202.6
335	Electrical Equipment, Appliance, and Component Manufacturing	0.3	1.3	Y	144	5.2	3,904.2
336	Transportation Equipment Manufacturing	1.6	7.1	Y	474	592.8	83,915.0
337	Furniture and Related Product Manufacturing	1.8	7.8	N	455	44.0	5,663.0
339	Miscellaneous Manufacturing	0.5	2.4	Y	952	23.0	9,684.7
423	Merchant Wholesalers, Durable Goods	0.8	3.5	Y	7,699	229.6	65,609.4
424	Merchant Wholesalers, Nondurable Goods	1.7	7.5	Y	4,486	411.0	54,560.9

NAICS code	NAICS description	WMSD claim rate compared to all statewide (Rate Ratio)	WMSD claim rate per 1,000 FTE ²	Predicted ³ rate ratio <2 2024	Number of workers' compensation accounts ⁴	Average number of WMSD claims per year	Average number of FTE ² per year
425	Wholesale Electronic Markets and Agents and Brokers	0.5	2.2	N	4,424	33.2	15,302.7
441	Motor Vehicle and Parts Dealers	1.0	4.4	Y	2,246	176.0	39,790.9
442	Furniture and Home Furnishings Stores	1.5	6.5	N	891	45.0	6,966.7
443	Electronics and Appliance Stores	0.6	2.5	N	851	26.8	10,656.7
444	Building Material and Garden Equipment and Supplies Dealers	1.5	6.7	Y	1,456	205.6	30,511.8
445	Food and Beverage Stores	2.1	9.4	N	3,079	455.6	48,379.8
446	Health and Personal Care Stores	0.5	2.2	Y	956	27.2	12,441.5
447	Gasoline Stations	0.6	2.4	Y	2,067	25.2	10,325.9
448	Clothing and Clothing Accessories Stores	1.3	5.8	N	1,586	223.8	38,877.3
451	Sporting Goods, Hobby, Book, and Music Stores	0.5	2.0	Y	1,439	25.2	12,467.0
452	General Merchandise Stores	2.4	10.7	N	241	437.2	40,757.2
453	Miscellaneous Store Retailers	0.9	4.0	Y	3,706	78.6	19,443.1
454	Nonstore Retailers	1.3	5.6	N	2,239	270.0	47,989.9
481	Air Transportation	4.6	20.4	N	124	227.2	11,130.3
482	Rail Transportation	7.2	31.8	N	1	0.2	6.3
483	Water Transportation	1.3	5.6	N	46	5.2	921.0
484	Truck Transportation	2.4	10.6	N	3,532	218.8	20,691.2
485	Transit and Ground Passenger Transportation	2.3	10.4	N	346	80.2	7,707.7
486	Pipeline Transportation	0.3	1.5	N	4	0.2	137.4
487	Scenic and Sightseeing Transportation	0.7	3.1	N	93	1.0	318.1
488	Support Activities for Transportation	1.0	4.5	Y	1,396	80.6	17,956.8
491	Postal Service	4.4	19.5	N	73	9.8	501.9
492	Couriers and Messengers	4.2	18.8	N	664	278.4	14,839.3

NAICS code	NAICS description	WMSD claim rate compared to all statewide (Rate Ratio)	WMSD claim rate per 1,000 FTE²	Predicted³ rate ratio <2 2024	Number of workers' compensation accounts⁴	Average number of WMSD claims per year	Average number of FTE² per year
493	Warehousing and Storage	1.6	7.2	Y	345	139.0	19,301.4
511	Publishing Industries (except Internet)	0.1	0.5	Y	1,069	27.2	60,295.3
512	Motion Picture and Sound Recording Industries	0.1	0.6	N	730	1.8	2,772.1
515	Broadcasting (except Internet)	0.4	1.7	N	185	5.6	3,204.0
516	Internet Publishing and Broadcasting	0.0	0.0	N	40	0.0	613.8
517	Telecommunications	0.3	1.3	Y	300	26.2	20,572.1
518	Internet Service Providers, Web Search Portals, and Data Processing Services	0.1	0.2	Y	1,135	2.0	8,335.9
518	Data Processing, Hosting and Related Services	0.1	0.2	Y	1,135	2.0	8,335.9
519	Other Information Services	0.1	0.3	Y	707	5.0	17,838.9
521	Monetary Authorities-Central Bank	0.3	1.5	N	8	1.8	1,193.9
522	Credit Intermediation and Related Activities	0.1	0.3	Y	1,604	11.2	37,098.5
523	Securities, Commodity Contracts, and Other Financial Investments and Related Activities	0.0	0.1	N	2,062	0.8	11,237.1
524	Insurance Carriers and Related Activities	0.1	0.4	Y	3,913	10.6	29,420.8
525	Funds, Trusts, and Other Financial Vehicles	0.2	1.0	N	76	1.0	1,009.5
531	Real Estate	0.5	2.4	Y	8,936	133.4	55,311.7
532	Rental and Leasing Services	0.9	4.0	Y	781	34.6	8,627.4
533	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	0.0	0.0	N	53	0.0	104.7

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541	Professional, Scientific, and Technical Services	0.1	0.6	Y	45,633	129.4	204,599.8
551	Management of Companies and Enterprises	0.4	1.8	Y	348	6.8	3,724.3
561	Administrative and Support Services	1.0	4.6	Y	21,327	635.2	137,225.7
562	Waste Management and Remediation Services	2.5	11.0	N	705	105.0	9,584.5
611	Educational Services	0.6	2.6	Y	4,885	506.6	198,018.0
621	Ambulatory Health Care Services	0.5	2.2	Y	12,872	298.8	135,009.0
622	Hospitals	2.0	8.9	Y	91	850.8	95,360.9
623	Nursing and Residential Care Facilities	1.8	8.2	Y	3,303	374.4	45,685.4
624	Social Assistance	0.9	3.9	Y	4,642	209.0	53,332.4
711	Performing Arts, Spectator Sports, and Related Industries	0.4	1.7	Y	1,137	8.0	4,789.3
712	Museums, Historical Sites, and Similar Institutions	0.4	2.0	N	197	4.0	2,044.3
713	Amusement, Gambling, and Recreation Industries	0.5	2.1	Y	2,768	33.6	15,922.0
721	Accommodation	1.0	4.4	Y	2,414	111.4	25,039.6
722	Food Services and Drinking Places	0.4	1.9	Y	19,699	274.8	141,003.0
811	Repair and Maintenance	1.0	4.5	Y	6,253	107.8	23,899.1
812	Personal and Laundry Services	0.7	3.1	Y	6,996	73.0	23,414.7
813	Religious, Grantmaking, Civic, Professional, and Similar Organizations	0.4	1.7	Y	8,833	80.8	47,648.8
814	Private Households	1.0	4.4	N	1,349	7.4	1,679.0
921	Executive, Legislative, and Other General Government Support	1.8	7.8	Y	395	592.8	76,146.9

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922	Justice, Public Order, and Safety Activities	1.5	6.8	Y	338	142.2	20,996.5
923	Administration of Human Resource Programs	0.4	1.6	Y	58	27.2	17,171.3
924	Administration of Environmental Quality Programs	0.7	3.2	Y	93	29.8	9,201.0
925	Administration of Housing Programs, Urban Planning, and Community Development	0.7	3.1	Y	42	4.4	1,434.6
926	Administration of Economic Programs	0.9	3.8	Y	170	35.8	9,313.6
928	National Security and International Affairs	1.1	4.7	Y	6	14.2	3,005.0

¹Only compensable claims were used for this analysis. Compensable claims have expenses beyond medical treatment, including payments for time loss, permanent partial disability awards, total permanent disability, and survivor benefits. Kept-on salary claims are considered compensable claims.

²FTE (full time equivalent): 1 FTE= 2,000 hours

³Trend analysis of a ten-year period (2012–2021) used to predict claim rate in 2024, and was compared to the predicted statewide claim rate in 2024 to calculate the rate ratio. Y=yes; N=no

⁴Number of workers' compensation accounts reporting any hours during 2017–2021