



Industry benchmarks

DATA NOTE

Industry denominator data (numbers of employees and numbers of hours worked) used to calculate incidence and frequency rates are provided by the Australian Bureau of Statistics (ABS). Industry denominators coded to Australian and New Zealand Standard Industry Classification (ANZSIC) 1993 has been applied to claims data up until the 2007-08 lodgement year. However, due to implementation of a new ANZSIC version (ANZSIC 2006), denominators applicable to claims lodged in 2008-09 have been retrospectively converted to ANZSIC 1993. Although industry divisional level incidence and frequency rates are not impacted by this change, some variations are evident at the subdivision level. As such, caution is advised when using subdivision rates in relation to 2008-09 data; an asterisk symbol denotes subdivisions with significant variations. This will not be an issue in future years as claims for lodgement years 2009-10 onwards are being coded to ANZSIC 2006.

WorkSafe Plan Assessors should use the following ANZSIC 1993 benchmarks in respect to all WorkSafe Plan assessments.

Rates are based on lost time injuries and diseases of one day/shift or more in WA.

Average Frequency and Incidence Rates for 2006-07 to 2008-09			
	Industry Division (ANZSIC 1993 Edition)	Frequency Rate Average	Incidence Rate Average
A	Agriculture, Forestry and Fishing	15.3	3.1
1	Agriculture	11.8	2.5
2	Services to Agriculture; Hunting & Trapping*	28.8	5.7
3	Forestry and Logging*	30.0	6.0
4	Commercial Fishing*	15.0	2.9
B	Mining	7.2	1.7
11	Coal Mining	8.0	1.9
12	Oil and Gas Extraction	5.8	1.2
13	Metal Ore Mining	5.1	1.2
14	Other Mining	13.0	3.2
15	Services to Mining	11.1	2.5
C	Manufacturing	18.6	3.7
21	Food, Beverage and Tobacco Manufacturing	23.9	4.5
22	Textile, Clothing, Footwear and Leather Manufacturing	8.5	1.5
23	Wood and Paper Product Manufacturing	26.8	5.6
24	Printing, Publishing and Recorded Media	5.1	1.0
25	Petroleum, Coal, Chemical and Product Manufacturing	12.1	2.4
26	Non-Metallic Mineral Product Manufacturing	15.1	3.1
27	Metal Product Manufacturing	23.0	4.7

	Industry Division (ANZSIC 1993 Edition)	Frequency Rate Average	Incidence Rate Average
28	Machinery and Equipment Manufacturing	17.2	3.6
29	Other Manufacturing	21.1	4.0
D	Electricity, Gas and Water Supply	3.3	0.7
36	Electricity and Gas Supply	2.7	0.6
37	Water Supply, Sewerage and Drainage Services*	4.2	0.8
E	Construction	15.1	3.2
41	General Construction	14.4	3.1
42	Construction Trade Services	15.5	3.2
F	Wholesale Trade	9.7	1.9
45	Basic Material Wholesaling	9.1	1.8
46	Machinery and Motor Vehicle Wholesaling	9.8	2.0
47	Personal and Household Good Wholesaling	10.0	1.9
G	Retail Trade	9.2	1.3
51	Food Retailing*	12.4	1.5
52	Personal and Household Good Retailing	5.9	0.8
53	Motor Vehicle Retailing and Services*	10.8	1.9
H	Accommodation, Cafes and Restaurants	9.0	1.2
57	Accommodation, Cafes and Restaurants	9.0	1.2
I	Transport and Storage	14.0	2.7
61	Road Transport	15.0	3.2
62	Rail Transport	18.6	3.6
63	Water Transport	3.6	0.7
64	Air and Space Transport	16.4	2.7
65	Other Transport	23.1	5.0
66	Services to Transport	14.4	2.5
67	Storage	7.6	1.4
J	Communication Services	3.8	0.7
71	Communication Services	3.8	0.7
K	Finance and Insurance	1.2	0.2
73	Finance	1.3	0.2
74	Insurance	1.9	0.3
75	Services to Finance and Insurance	0.7	0.1
L	Property and Business Services	4.0	0.7
77	Property Services	5.2	1.0
78	Business Services	3.8	0.7
M	Government Administration	2.2	0.4
81	Government Administration	2.3	0.4
82	Defence (excludes military personnel)#	0.0	0.0
N	Education	8.0	1.3
84	Education	8.0	1.3
O	Health and Community Services	14.5	2.1
86	Health Services	13.6	2.0
87	Community Services	17.4	2.4
P	Cultural and Recreational Services	13.7	1.8
91	Motion Picture, Radio and Television Services*	3.3	0.4
92	Libraries, Museums and the Arts	17.4	2.5

	Industry Division (ANZSIC 1993 Edition)	Frequency Rate Average	Incidence Rate Average
93	Sports and Recreation	13.2	1.6
Q	Personal and Other Services	11.5	1.8
95	Personal Services	6.2	0.9
96	Other Services	16.0	2.7
97	Private Households Employing Staff	13.9	9.1
	ALL WA INDUSTRIES	10.2	1.8

No LTI/Ds were recorded during the three year period

LTI/D = Lost time injury and disease

Frequency Rate

The frequency rate is the number of lost time injuries and diseases for each one million hours worked. The formula used for calculating frequency rates is:

Frequency rate = number of LTI/Ds / number of hours worked x 1,000,000

The number of hours worked is defined as the total number of hours worked by workers covered by the compensation system during this period. The hours worked are usually represented in millions.

Incidence Rate

The incidence rate is the number of lost time injuries and diseases for each one hundred workers employed. The formula used is:

Incidence rate = number of LTI/Ds / number of workers x 100

The number of workers is defined as the average number of workers covered by the compensation system who worked during the relevant period. As a result of treating casual, seasonal and part and full-time workers equally, incidence rates can give misleading indications of relative risk. This is relevant to industries with high levels of part-time employment where the number of workers employed may be comparatively high but the actual exposure to hazards (reflected in actual hours worked) may be less.

Averages

Frequency and incidence rate averages are calculated by averaging the number of LTI/Ds and the number of employees/hours worked over three years, then applying the formulas to the averages.