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Safe Work Australia provides the information given in this document to improve public access to information about work health and safety information generally. The vision of Safe Work Australia is Australian workplaces free from injury and disease. Its mission is to lead and coordinate national efforts to prevent workplace death, injury and disease in Australia.

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Abbreviations and symbols

**ABS** Australian Bureau of Statistics

**ANZSCO** Australian and New Zealand Standard Classification of Occupations, First edition

**ANZSIC** Australian and New Zealand Standard Industrial Classification, 2006

**NDS** National Data Set for Compensation-Based Statistics

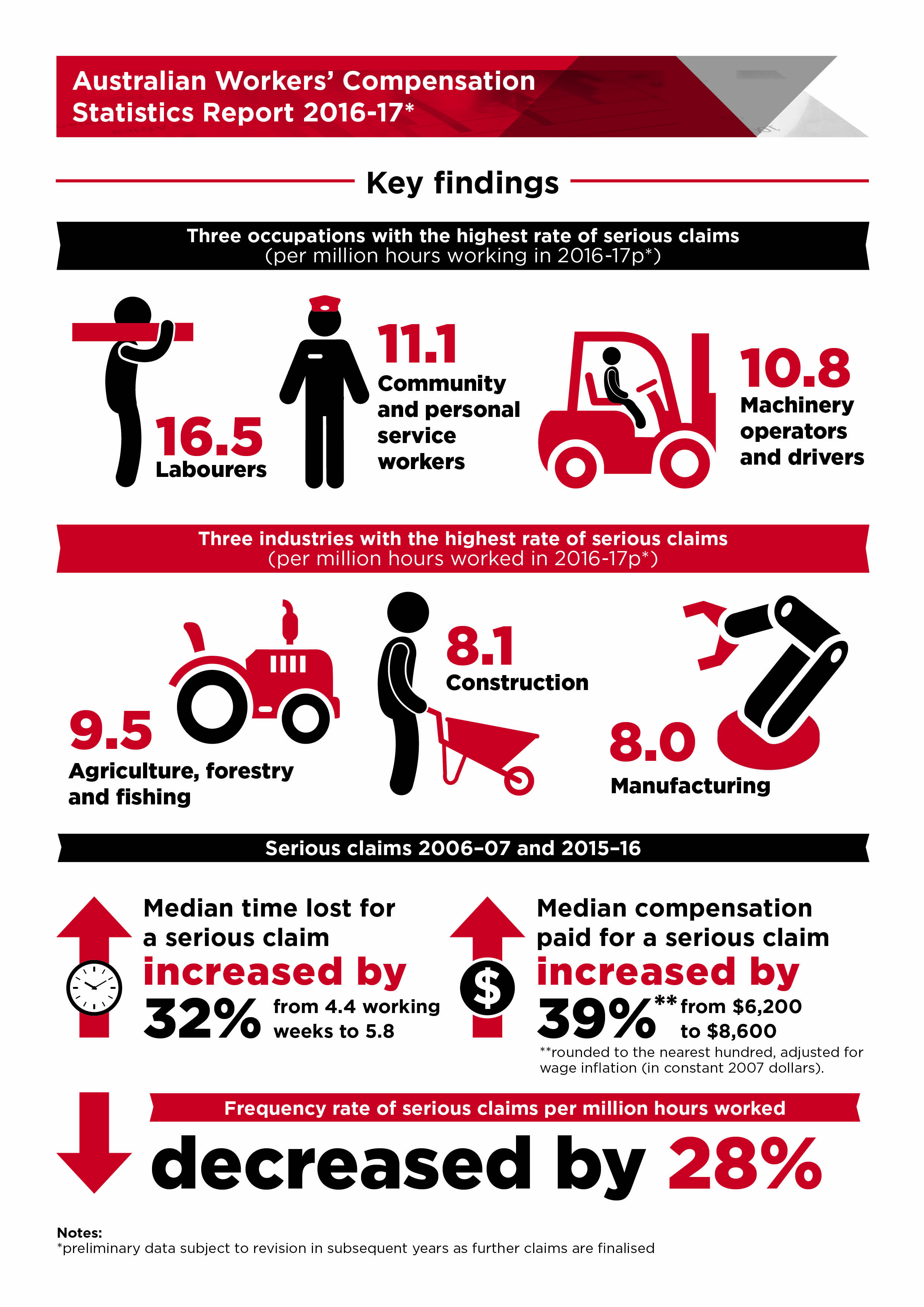
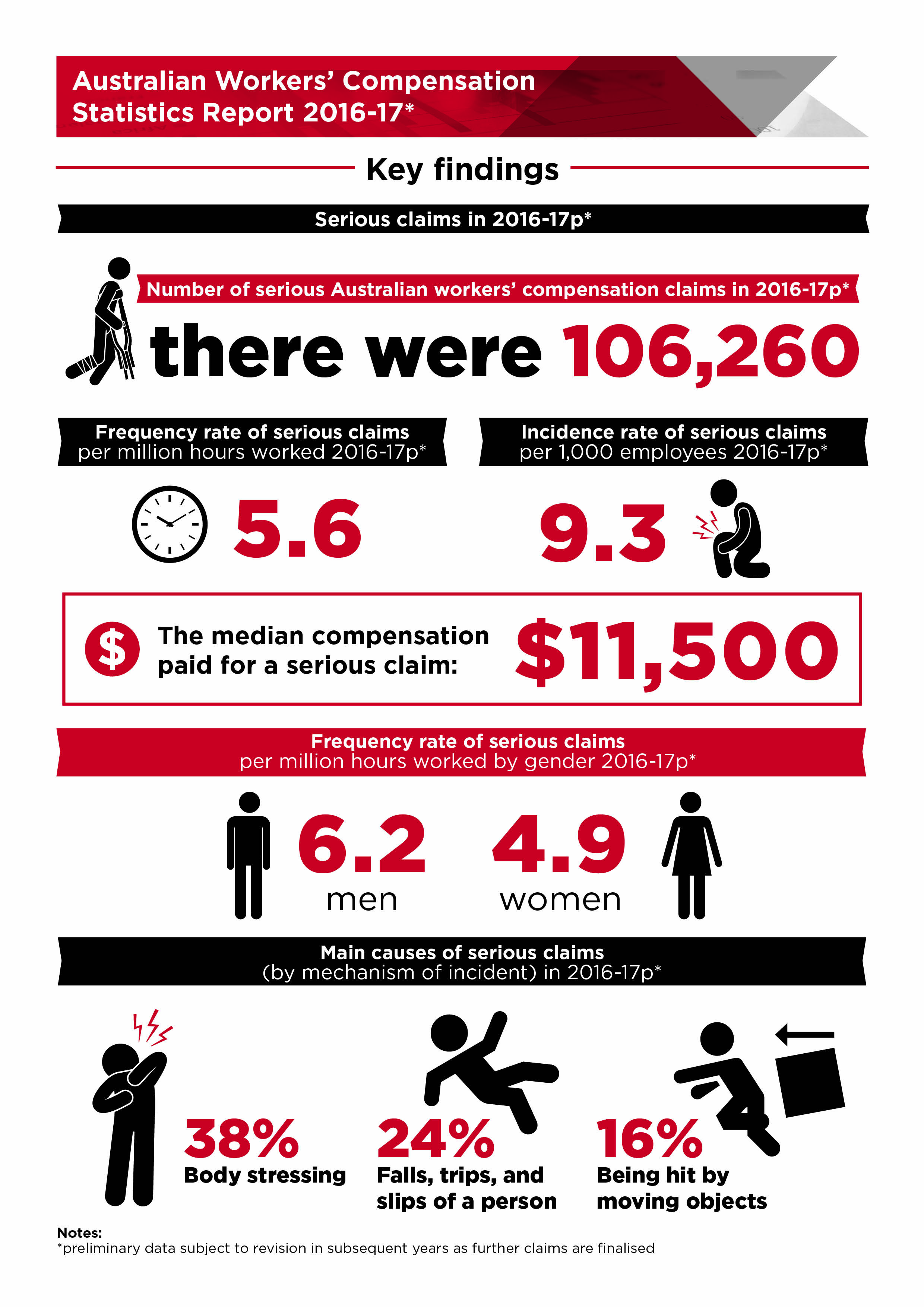
**np**  data not available due to confidentiality restrictions

**p** preliminary data

**\***  relative standard error is between 25 per cent and 50 per cent and should be used with caution

**% chg**  percentage change

# 



**Introduction**

The statistics in this report are of Australian workers’ compensation claims that were lodged between 2000–01 and 2016–17. The statistics are an indicator of Australia’s work health and safety performance over the 17‑year period between 2000–01 and 2016–17. However, this data does not cover all cases of work-related injuries and diseases (see explanatory notes for further information). The statistics are presented by:

* gender
* age group
* industry
* occupation
* mechanism of injury or disease
* nature of injury or disease
* breakdown agency of injury or disease
* mechanism of injury or disease and breakdown agency, and
* mechanism of injury or disease and bodily location of injury or disease.

Claim numbers are rounded to the nearest five to help protect confidential information about employers and employees. Due to rounding, differences may appear between the reported totals and proportions and the sums of rows or columns. Rates and percentages are calculated using unrounded numbers.

## Data

The data used in this report were supplied by jurisdictions for the 2016–17 financial year and updates back to 2011–12. Readers should be aware that the data presented here may differ from jurisdictional annual reports due to the use of different definitions and the application of adjustment factors to aid in the comparability of data. Additional information on the data can be found in the explanatory notes.

## Definition of a serious claim

The statistics in this report are of serious claims only. A serious claim is an accepted workers’ compensation claim for an incapacity that results in a total absence from work of one working week or more. Claims in receipt of common-law payments are also included. Claims arising from a journey to or from work or during a recess period are not compensable in all jurisdictions and are excluded.

Serious claims exclude compensated fatalities. Safe Work Australia produces other resources that provide information on work-related fatalities in Australia. The most up-to-date count of worker fatalities is available online on Safe Work Australia’s worker fatalities page. Comprehensive information on work-related injury fatalities is available in the Work-Related Traumatic Injury Fatalities reports. The reports are based on information from workers’ compensation data, coronial information, notifiable fatalities and the media.

## Frequency and incidence rates

Frequency rates are expressed as the number of serious claims per million hours worked, while incidence rates are expressed as the number of serious claims per thousand employees.

Compared with an incidence rate, a frequency rate is a more precise and accurate measure of work health and safety because it reflects the number of injuries and diseases per hour worked. It is important to account for the number of hours worked because there are significant differences in the number of hours worked by different groups of employees and employees at different points in time. The differences in the number of hours worked mean that employees’ exposure to work-related risks vary considerably. A frequency rate accounts for these differences and allows accurate comparisons to be made of different groups of employees and employees at different points in time.



Section 1:  
Serious claims  
2016-17

*This section provides workers’ compensation statistics for claims lodged during the 2016‑17 financial year. The 2016–17 data are preliminary (denoted by ‘p’) and are likely to rise by around 3 per cent when updated.*

1. Gender

In 2016–17p[[1]](#footnote-1), male employees accounted for 64 per cent of serious claims and 59 per cent of hours worked, while female employees accounted for 36 per cent of serious claims and 41 per cent of hours worked (Table 1).

Table 1: Percentage of serious claims and hours worked by gender, 2016–17p

|  | **Percentage of serious claims** | **Percentage of hours worked** |
| --- | --- | --- |
| **Male** | 64% | 59% |
| **Female** | 36% | 41% |
| **Total** | **100%** | **100%** |

Table 2 below shows that in 2016-17p, the difference between the frequency rates of serious claims (serious claims per million hours worked) between males and females was smaller than the difference in the incidence rates (serious claims per 1,000 employees), reflecting the higher prevalence of part-time work among females. Male employees, however, were still 1.3 times more likely than female employees to have a serious claim (6.2 serious claims per million hours worked compared with 4.9 serious claims per million hours worked).

A higher percentage of male employees’ serious claims arose from injury and musculoskeletal disorders (91 per cent compared with 86 per cent for female employees), while a higher percentage of female employees’ serious claims arose from diseases (14 per cent compared with 9 per cent for male employees).

Table 2: Number, percentage and rates of serious claims by injury or disease and gender, 2016–17p

|  | **Number of serious claims** | **Percentage of serious claims** | **Frequency rate (serious claims per million hours worked)** | **Incidence rate (serious claims per 1000 employees)** |
| --- | --- | --- | --- | --- |
| **Male** |  |  |  |  |
| Injury and musculoskeletal disorders | 61,750 | 91% | 5.6 | 10.4 |
| Diseases | 6,355 | 9% | 0.6 | 1.1 |
| **Total** | **68,105** | **100%** | **6.2** | **11.5** |
| **Female** |  |  |  |  |
| Injury and musculoskeletal disorders | 32,960 | 86% | 4.2 | 6.0 |
| Diseases | 5,195 | 14% | 0.7 | 0.9 |
| **Total** | **38,155** | **100%** | **4.9** | **6.9** |
| **All serious claims** |  |  |  |  |
| Injury and musculoskeletal disorders | 94,710 | 89% | 5.0 | 8.3 |
| Diseases | 11,550 | 11% | 0.6 | 1.0 |
| **Total** | **106,260** | **100%** | **5.6** | **9.3** |

1. Age group

Table 3 below shows that in 2016-17p, across the age groups older workers were more likely to make a serious claim, particularly those aged between 45 and 54 years. Workers aged under 25 years accounted for 13 per cent of serious claims in 2016-17p, compared with workers aged 45 to 54 years who accounted for 26 per cent.

Table 3: Number of serious claims by injury or disease, gender and age group, 2016–17p

| **Age group** | **Injury and musculoskeletal disorder claims** | | | **Disease claims** | | | **All claims** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **<20 years** | 2,570 | 945 | 3,520 | 65 | 50 | 115 | 2,640 | 995 | 3,635 |
| **20-24 years** | 6,855 | 2,740 | 9,595 | 240 | 250 | 490 | 7,095 | 2,990 | 10,085 |
| **25-29 years** | 7,125 | 2,865 | 9,990 | 435 | 435 | 865 | 7,560 | 3,295 | 10,860 |
| **30-34 years** | 6,720 | 2,605 | 9,325 | 590 | 475 | 1,065 | 7,310 | 3,080 | 10,390 |
| **35-39 years** | 6,155 | 2,660 | 8,810 | 705 | 555 | 1,260 | 6,860 | 3,210 | 10,070 |
| **40-44 years** | 6,495 | 3,550 | 10,045 | 835 | 660 | 1,495 | 7,330 | 4,215 | 11,540 |
| **45-49 years** | 7,115 | 4,650 | 11,765 | 935 | 845 | 1,780 | 8,050 | 5,490 | 13,545 |
| **50-54 years** | 6,945 | 4,985 | 11,935 | 940 | 860 | 1,805 | 7,890 | 5,845 | 13,735 |
| **55-59 years** | 6,035 | 4,445 | 10,480 | 850 | 630 | 1,480 | 6,885 | 5,075 | 11,960 |
| **60-64 years** | 4,110 | 2,600 | 6,710 | 545 | 335 | 885 | 4,655 | 2,935 | 7,595 |
| **65 years+** | 1,620 | 915 | 2,535 | 210 | 100 | 310 | 1,835 | 1,015 | 2,850 |
| **Total** | **61,750** | **32,960** | **94,710** | **6,355** | **5,195** | **11,550** | **68,105** | **38,155** | **106,260** |

Table 4 shows that the highest frequency rates in 2016–17p were among employees aged 60-64 years (7.7 serious claims per million hours worked). By contrast, employees aged 30-34 years had the lowest frequency rate (4.3 serious claims per million hours worked) in the workforce.

Table 4: Frequency rate (serious claims per million hours worked) by injury or disease, gender and age group, 2016–17p

| **Age group** | **Injury and musculoskeletal disorder claims** | | | **Disease claims** | | | **All claims** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **<20 years** | 8.3 | 3.6 | 6.2 | 0.2 | 0.2 | 0.2 | 8.5 | 3.8 | 6.4 |
| **20-24 years** | 7.1 | 3.4 | 5.4 | 0.2 | 0.3 | 0.3 | 7.3 | 3.7 | 5.7 |
| **25-29 years** | 5.2 | 2.7 | 4.1 | 0.3 | 0.4 | 0.4 | 5.5 | 3.1 | 4.5 |
| **30-34 years** | 4.5 | 2.8 | 3.9 | 0.4 | 0.5 | 0.4 | 4.9 | 3.4 | 4.3 |
| **35-39 years** | 4.5 | 3.3 | 4.1 | 0.5 | 0.7 | 0.6 | 5.0 | 4.0 | 4.6 |
| **40-44 years** | 4.9 | 4.0 | 4.6 | 0.6 | 0.8 | 0.7 | 5.6 | 4.8 | 5.3 |
| **45-49 years** | 5.8 | 4.9 | 5.4 | 0.8 | 0.9 | 0.8 | 6.5 | 5.8 | 6.2 |
| **50-54 years** | 6.2 | 5.7 | 6.0 | 0.8 | 1.0 | 0.9 | 7.0 | 6.7 | 6.9 |
| **55-59 years** | 6.2 | 6.4 | 6.3 | 0.9 | 0.9 | 0.9 | 7.1 | 7.3 | 7.2 |
| **60-64 years** | 7.1 | 6.4 | 6.8 | 0.9 | 0.8 | 0.9 | 8.0 | 7.3 | 7.7 |
| **65 years+** | 5.1 | 5.8 | 5.4 | 0.7 | 0.6 | 0.7 | 5.8 | 6.5 | 6.0 |
| **Total** | **5.6** | **4.2** | **5.0** | **0.6** | **0.7** | **0.6** | **6.2** | **4.9** | **5.6** |

Generally, older workers recorded the highest incidence rates (Table 5). In 2016-17p, the 55 to 59 year age group had the highest incidence rate (12.4 serious claims per 1000 employees), followed by workers aged 50 to 54 years and workers aged 60 to 64 years (both with12.2 serious claims per 1000 employees).

Table 5: Incidence rate (serious claims per 1,000 employees) by injury or disease, gender and age group, 2016–17p

| **Age group** | **Injury and musculoskeletal disorder claims** | | | **Disease claims** | | | **All claims** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **<20 years** | 8.2 | 2.7 | 5.3 | 0.2 | 0.1 | 0.2 | 8.4 | 2.8 | 5.5 |
| **20-24 years** | 10.9 | 4.6 | 7.8 | 0.4 | 0.4 | 0.4 | 11.3 | 5.0 | 8.2 |
| **25-29 years** | 9.7 | 4.3 | 7.1 | 0.6 | 0.7 | 0.6 | 10.3 | 5.0 | 7.8 |
| **30-34 years** | 8.9 | 4.1 | 6.7 | 0.8 | 0.8 | 0.8 | 9.6 | 4.9 | 7.5 |
| **35-39 years** | 9.1 | 4.7 | 7.1 | 1.0 | 1.0 | 1.0 | 10.1 | 5.7 | 8.1 |
| **40-44 years** | 10.0 | 6.0 | 8.1 | 1.3 | 1.1 | 1.2 | 11.3 | 7.2 | 9.3 |
| **45-49 years** | 11.8 | 7.5 | 9.6 | 1.6 | 1.4 | 1.5 | 13.3 | 8.9 | 11.1 |
| **50-54 years** | 12.5 | 8.8 | 10.6 | 1.7 | 1.5 | 1.6 | 14.2 | 10.3 | 12.2 |
| **55-59 years** | 12.3 | 9.3 | 10.9 | 1.7 | 1.3 | 1.5 | 14.1 | 10.7 | 12.4 |
| **60-64 years** | 12.6 | 8.7 | 10.7 | 1.7 | 1.1 | 1.4 | 14.3 | 9.8 | 12.2 |
| **65 years+** | 7.7 | 6.4 | 7.2 | 1.0 | 0.7 | 0.9 | 8.8 | 7.1 | 8.1 |
| **Total** | **10.4** | **6.0** | **8.3** | **1.1** | **0.9** | **1.0** | **11.5** | **6.9** | **9.3** |

1. Industry

The Health care and social assistance industry accounted for 16 per cent of serious claims in 2016-17p, followed by the Manufacturing and Construction industries which accounted for a further 12 per cent of serious claims each. Together, these industries accounted for 40 per cent of all serious claims, but less than 30 per cent of the workforce (Table 6).

Table 6: Workforce characteristics by industry, 2016–17p

| **Industry** | **Employed persons (million)** | **Proportion of workforce** | **Proportion entitled to compensation** | **Jobs (million)** | **Hours worked (billion)** | **Serious claims** | **Proportion of serious claims** | **Frequency rate (claims per million hours worked)** | **Incidence rate (claims per 1,000 employees)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Health care and social assistance | 1.565 | 13% | 93% | 1.543 | 2.21 | 17,190 | 16% | 7.8 | 11.1 |
| Retail trade | 1.241 | 10% | 95% | 1.217 | 1.69 | 8,490 | 8% | 5.0 | 7.0 |
| Education and training | 0.983 | 8% | 95% | 1.003 | 1.55 | 6,850 | 6% | 4.4 | 6.8 |
| Manufacturing | 0.909 | 8% | 94% | 0.850 | 1.61 | 12,860 | 12% | 8.0 | 15.1 |
| Professional, scientific and technical services | 1.02 | 8% | 82% | 0.938 | 1.69 | 1,795 | 2% | 1.1 | 1.9 |
| Accommodation and food services | 0.864 | 7% | 96% | 0.867 | 1.10 | 6,175 | 6% | 5.6 | 7.1 |
| Construction | 1.087 | 9% | 74% | 0.829 | 1.65 | 13,280 | 12% | 8.1 | 16.0 |
| Public administration and safety | 0.778 | 6% | 99% | 0.801 | 1.31 | 7,710 | 7% | 5.9 | 9.6 |
| Transport, postal and warehousing | 0.62 | 5% | 86% | 0.556 | 1.04 | 8,330 | 8% | 8.0 | 15.0 |
| Financial and insurance services | 0.438 | 4% | 94% | 0.432 | 0.79 | 585 | 1% | 0.7 | 1.4 |
| Other services | 0.487 | 4% | 80% | 0.405 | 0.67 | 3,065 | 3% | 4.6 | 7.6 |
| Wholesale trade | 0.364 | 3% | 94% | 0.364 | 0.68 | 4,500 | 4% | 6.6 | 12.4 |
| Administrative and support services | 0.431 | 4% | 78% | 0.474 | 0.75 | 4,730 | 4% | 6.3 | 10.0 |
| Mining | 0.219 | 2% | 98% | 0.219 | 0.48 | 2,030 | 2% | 4.2 | 9.3 |
| Agriculture, forestry and fishing | 0.304 | 3% | 66% | 0.194 | 0.38 | 3,620 | 3% | 9.5 | 18.7 |
| Information media and telecommunications | 0.217 | 2% | 91% | 0.210 | 0.36 | 590 | 1% | 1.6 | 2.8 |
| Arts and recreation services | 0.22 | 2% | 83% | 0.215 | 0.27 | 2,190 | 2% | 8.0 | 10.2 |
| Rental, hiring and real estate services | 0.209 | 2% | 85% | 0.204 | 0.37 | 970 | 1% | 2.6 | 4.7 |
| Electricity, gas, water and waste services | 0.138 | 1% | 97% | 0.132 | 0.26 | 1,210 | 1% | 4.7 | 9.2 |
| **Total** | **12.093** | **100%** | **89%** | **11.453** | **18.859** | **106,260** | **100%** | **5.6** | **9.3** |

Table 7 below shows that the industries with the highest frequency rates in 2016–17p were Agriculture, forestry and fishing (9.5 serious claims per million hours worked), Construction (8.1), Manufacturing (8.0), Transport, postal and warehousing (8.0) and Arts and recreation services (8.0).

Within the broader Agriculture, forestry and fishing industry, the Agriculture industry sub-division accounted for 76 per cent of serious claims in 2016-17p, with 9.3 serious claims per million hours worked and 18.3 serious claims per 1,000 employees. The Road transport industry sub-division accounted for almost 50 per cent of serious claims within the broader Transport, postal and warehousing industry, with 9.9 serious claims per million hours worked and 20.3 claims per 1,000 employees.

The industries with the lowest frequency rates were Financial and insurance services (0.7 serious claims per million hours worked), Professional, scientific and technical services (1.1), and Information media and telecommunications (1.6).

Public administration and safety recorded the highest frequency rate for diseases (1.3 serious claims per million hours worked), more than twice the all industry average.

Table 7: Number and rates of serious claims by injury or disease, gender and industry, 2016–17p

| **Industry** | **Number of serious claims** | | | **Frequency rate (claims per 1 million hours)** | | | **Incidence rate (claims per 1,000 employees)** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **All serious claims** | | | | | | | | | |
| Health care and social assistance | 3,480 | 13,710 | 17,190 | 6.2 | 8.3 | 7.8 | 10.2 | 11.4 | 11.1 |
| Construction | 12,885 | 400 | 13,280 | 8.7 | 2.5 | 8.1 | 17.9 | 3.6 | 16.0 |
| Manufacturing | 11,185 | 1,675 | 12,860 | 9.1 | 4.5 | 8.0 | 18.2 | 7.2 | 15.1 |
| Retail trade | 4,450 | 4,040 | 8,490 | 5.2 | 4.9 | 5.0 | 8.3 | 5.9 | 7.0 |
| Transport, postal and warehousing | 7,215 | 1,115 | 8,330 | 8.9 | 4.9 | 8.0 | 17.3 | 8.0 | 15.0 |
| Road transport | 3,900 | 255 | 4,155 | 10.5 | 5.6 | 9.9 | 22.2 | 8.8 | 20.3 |
| Public administration and safety | 5,320 | 2,390 | 7,710 | 7.7 | 3.9 | 5.9 | 13.5 | 5.9 | 9.6 |
| Education and training | 2,030 | 4,815 | 6,850 | 4.2 | 4.5 | 4.4 | 7.0 | 6.7 | 6.8 |
| Accommodation and food services | 3,055 | 3,125 | 6,175 | 5.5 | 5.8 | 5.6 | 7.8 | 6.5 | 7.1 |
| Administrative and support services | 3,115 | 1,615 | 4,730 | 7.3 | 5.0 | 6.3 | 12.8 | 7.0 | 10.0 |
| Wholesale trade | 3,730 | 770 | 4,500 | 7.7 | 4.0 | 6.6 | 15.3 | 6.4 | 12.4 |
| Agriculture, forestry and fishing | 2,875 | 745 | 3,620 | 9.7 | 9.0 | 9.5 | 20.6 | 13.6 | 18.7 |
| Agriculture | 2,130 | 635 | 2,765 | 9.3 | 9.2 | 9.3 | 20.2 | 13.9 | 18.3 |
| Other services | 2,150 | 915 | 3,065 | 4.9 | 3.9 | 4.6 | 9.5 | 5.2 | 7.6 |
| Arts and recreation services | 1,330 | 860 | 2,190 | 8.8 | 7.1 | 8.0 | 12.6 | 7.9 | 10.2 |
| Mining | 1,885 | 145 | 2,030 | 4.5 | 2.4 | 4.2 | 10.1 | 4.5 | 9.3 |
| Professional, scientific and technical services | 970 | 820 | 1,795 | 0.9 | 1.3 | 1.1 | 1.8 | 2.1 | 1.9 |
| Electricity, gas, water and waste services | 1,110 | 100 | 1,210 | 5.5 | 1.8 | 4.7 | 11.0 | 3.2 | 9.2 |
| Rental, hiring and real estate services | 680 | 290 | 970 | 3.4 | 1.7 | 2.6 | 6.9 | 2.7 | 4.7 |
| Information media and telecommunications | 395 | 195 | 590 | 1.7 | 1.6 | 1.6 | 3.0 | 2.4 | 2.8 |
| Financial and insurance services | 160 | 425 | 585 | 0.4 | 1.2 | 0.7 | 0.7 | 2.0 | 1.4 |
| **Total** | **68,105** | **38,155** | **106,260** | **6.2** | **4.9** | **5.6** | **11.5** | **6.9** | **9.3** |
| **Injury & musculoskeletal disorders** | | | | | | | | | |
| Health care and social assistance | 2,955 | 12 125 | 15,080 | 5.3 | 7.3 | 6.8 | 8.7 | 10.1 | 9.8 |
| Construction | 12,165 | 340 | 12,505 | 8.2 | 2.1 | 7.6 | 16.9 | 3.1 | 15.1 |
| Manufacturing | 10,335 | 1 470 | 11,800 | 8.4 | 3.9 | 7.3 | 16.8 | 6.3 | 13.9 |
| Retail trade | 4,035 | 3 715 | 7,750 | 4.7 | 4.5 | 4.6 | 7.5 | 5.5 | 6.4 |
| Transport, postal and warehousing | 6,475 | 970 | 7,445 | 8.0 | 4.3 | 7.1 | 15.5 | 7.0 | 13.4 |
| Road transport | 3,575 | 205 | 3,780 | 9.6 | 4.5 | 9.0 | 20.4 | 7.1 | 18.5 |
| Public administration and safety | 4,220 | 1,725 | 5,945 | 6.1 | 2.8 | 4.5 | 10.7 | 4.2 | 7.4 |
| Education and training | 1,655 | 3,805 | 5,455 | 3.4 | 3.6 | 3.5 | 5.7 | 5.3 | 5.4 |
| Accommodation and food services | 2,860 | 2,905 | 5,765 | 5.2 | 5.4 | 5.3 | 7.4 | 6.1 | 6.6 |
| Administrative and support services | 2,925 | 1,435 | 4,360 | 6.9 | 4.4 | 5.8 | 12.0 | 6.2 | 9.2 |
| Wholesale trade | 3,405 | 670 | 4,075 | 7.0 | 3.5 | 6.0 | 13.9 | 5.6 | 11.2 |
| Agriculture, forestry and fishing | 2,740 | 615 | 3,355 | 9.2 | 7.5 | 8.8 | 19.6 | 11.3 | 17.3 |
| Agriculture | 2,040 | 600 | 2,640 | 8.9 | 8.7 | 8.9 | 19.3 | 13.2 | 17.5 |
| Other services | 1,965 | 765 | 2,730 | 4.5 | 3.2 | 4.0 | 8.6 | 4.3 | 6.7 |
| Arts and recreation services | 1,240 | 800 | 2,040 | 8.2 | 6.7 | 7.5 | 11.7 | 7.3 | 9.5 |
| Mining | 1,745 | 125 | 1,870 | 4.2 | 2.2 | 3.9 | 9.3 | 3.9 | 8.6 |
| Professional, scientific and technical services | 855 | 645 | 1,500 | 0.8 | 1.0 | 0.9 | 1.5 | 1.7 | 1.6 |
| Electricity, gas, water and waste services | 1,010 | 80 | 1,090 | 5.0 | 1.5 | 4.2 | 10.0 | 2.6 | 8.3 |
| Rental, hiring and real estate services | 630 | 235 | 865 | 3.2 | 1.3 | 2.3 | 6.4 | 2.2 | 4.2 |
| Information media and telecommunications | 355 | 155 | 505 | 1.5 | 1.3 | 1.4 | 2.7 | 1.9 | 2.4 |
| Financial and insurance services | 110 | 290 | 400 | 0.3 | 0.8 | 0.5 | 0.5 | 1.4 | 0.9 |
| **Total** | **61,750** | **32,960** | **94,710** | **5.6** | **4.2** | **5.0** | **10.4** | **6.0** | **8.3** |
| **Diseases** | | | | | | | | | |
| Health care and social assistance | 525 | 1,585 | 2,110 | 0.9 | 1.0 | 1.0 | 1.5 | 1.3 | 1.4 |
| Construction | 720 | 55 | 775 | 0.5 | 0.4 | 0.5 | 1.0 | 0.5 | 0.9 |
| Manufacturing | 855 | 205 | 1,060 | 0.7 | 0.6 | 0.7 | 1.4 | 0.9 | 1.2 |
| Retail trade | 420 | 325 | 740 | 0.5 | 0.4 | 0.4 | 0.8 | 0.5 | 0.6 |
| Transport, postal and warehousing | 740 | 145 | 885 | 0.9 | 0.6 | 0.8 | 1.8 | 1.1 | 1.6 |
| Road transport | 325 | 50 | 375 | 0.9 | 1.1 | 0.9 | 1.8 | 1.8 | 1.8 |
| Public administration and safety | 1,100 | 665 | 1,765 | 1.6 | 1.1 | 1.3 | 2.8 | 1.6 | 2.2 |
| Education and training | 380 | 1,010 | 1,390 | 0.8 | 1.0 | 0.9 | 1.3 | 1.4 | 1.4 |
| Accommodation and food services | 195 | 220 | 410 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 |
| Administrative and support services | 190 | 180 | 370 | 0.4 | 0.6 | 0.5 | 0.8 | 0.8 | 0.8 |
| Wholesale trade | 330 | 100 | 425 | 0.7 | 0.5 | 0.6 | 1.3 | 0.8 | 1.2 |
| Agriculture, forestry and fishing | 135 | 125 | 265 | 0.5 | 1.5 | 0.7 | 1.0 | 2.3 | 1.4 |
| Agriculture | 95 | 35 | 130 | 0.4 | 0.5 | 0.4 | 0.9 | 0.8 | 0.9 |
| Other services | 185 | 150 | 340 | 0.4 | 0.6 | 0.5 | 0.8 | 0.9 | 0.8 |
| Arts and recreation services | 90 | 60 | 150 | 0.6 | 0.5 | 0.5 | 0.8 | 0.5 | 0.7 |
| Mining | 140 | 15 | 155 | 0.3 | 0.3 | 0.3 | 0.7 | 0.5 | 0.7 |
| Professional, scientific and technical services | 115 | 180 | 295 | 0.1 | 0.3 | 0.2 | 0.2 | 0.5 | 0.3 |
| Electricity, gas, water and waste services | 100 | 15 | 115 | 0.5 | 0.3 | 0.5 | 1.0 | 0.5 | 0.9 |
| Rental, hiring and real estate services | 50 | 55 | 105 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 |
| Information media and telecommunications | 45 | 40 | 85 | 0.2 | 0.3 | 0.2 | 0.3 | 0.5 | 0.4 |
| Financial and insurance services | 50 | 135 | 185 | 0.1 | 0.4 | 0.2 | 0.2 | 0.6 | 0.4 |
| **Total** | **6,355** | **5,195** | **11,550** | **0.6** | **0.7** | **0.6** | **1.1** | **0.9** | **1.0** |

1. Occupation

Labourers accounted for almost a quarter (24 per cent) of all serious claims in 2016-17p, followed by Technicians and trades workers (18 per cent) and Community and personal service workers (17 per cent). Together, employees working in these occupations accounted for more than 50 per cent of all serious claims, however, they only represent 34 per cent of the workforce (Table 8).

Table 8: Workforce characteristics by occupation, 2016–17p

| **Occupation** | **Employed persons (million)** | **Proportion of workforce** | **Proportion entitled to compensation** | **Jobs (million)** | **Hours worked (billion)** | **Serious claims** | **Proportion of serious claims** | **Frequency rate (claims per million hours worked)** | **Incidence rate (claims per 1,000 employees)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Professionals | 2.867 | 24% | 89% | 2.762 | 4.704 | 10,795 | 10% | 2.3 | 3.9 |
| Clerical and administrative workers | 1.661 | 14% | 94% | 1.664 | 2.543 | 4,615 | 4% | 1.8 | 2.8 |
| Technicians and trades workers | 1.689 | 14% | 83% | 1.455 | 2.770 | 19,965 | 18% | 7.2 | 13.7 |
| Managers | 1.542 | 13% | 85% | 1.368 | 2.812 | 4,745 | 4% | 1.7 | 3.5 |
| Community and personal service workers | 1.275 | 11% | 93% | 1.275 | 1.637 | 18,130 | 17% | 11.1 | 14.2 |
| Labourers | 1.205 | 10% | 88% | 1.113 | 1.593 | 26,330 | 24% | 16.5 | 23.7 |
| Sales workers | 1.091 | 9% | 95% | 1.103 | 1.410 | 5,695 | 5% | 4.0 | 5.2 |
| Machinery operators and drivers | 0.762 | 6% | 89% | 0.712 | 1.390 | 15,035 | 14% | 10.8 | 21.1 |
| **Total** | **12.093** | **100%** | **89%** | **11.452** | **18.859** | **106,260** | **100%** | **5.6** | **9.3** |

Table 9 shows that Labourers had the highest frequency rate of 16.5 serious claims per million hours worked in 2016‑17p, followed by Community and personal service workers (11.1), Machinery operators and drivers (10.8) and Technicians and trades workers (7.2). The remaining occupations all had frequency rates below the national average rate of 5.6 serious claims per million hours worked.

With respect to diseases, Community and personal service workers recorded the highest frequency rate of 1.4 serious claims per million hours worked, more than double the national rate of 0.6.

Table 9: Number and rates of serious claims by injury or disease, gender and occupation, 2016–17p

| **Occupation** | **Number of serious claims** | | | **Frequency rate**  **(serious claims per million hours worked)** | | | **incidence rate**  **(serious claims per 1,000 employees)** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **All serious claims** | | | | | | | | | |
| Managers | 2,765 | 1,980 | **4,745** | 1.5 | 2.1 | **1.7** | 3.2 | 3.9 | **3.5** |
| Professionals | 3,510 | 7,285 | **10,795** | 1.5 | 3.1 | **2.3** | 2.8 | 4.8 | **3.9** |
| Technicians and trades workers | 17,670 | 2,295 | **19,965** | 7.2 | 7.2 | **7.2** | 14.3 | 10.7 | **13.7** |
| Community and personal service workers | 6,565 | 11,560 | **18,130** | 11.5 | 10.9 | **11.1** | 16.8 | 13.1 | **14.2** |
| Clerical and administrative workers | 1,685 | 2,930 | **4,615** | 2.2 | 1.6 | **1.8** | 3.9 | 2.4 | **2.8** |
| Sales workers | 2,100 | 3,595 | **5,695** | 3.2 | 4.8 | **4.0** | 4.9 | 5.3 | **5.2** |
| Machinery operators and drivers | 13,605 | 1,430 | **15,035** | 10.6 | 13.0 | **10.8** | 21.1 | 21.1 | **21.1** |
| Labourers | 19,620 | 6,710 | **26,330** | 17.2 | 14.8 | **16.5** | 27.0 | 17.4 | **23.7** |
| **Total** | **68,105** | **38,155** | **106,260** | **6.1** | **4.9** | **5.6** | **11.4** | **6.9** | **9.3** |
| **Injury and musculoskeletal disorders** | | | | | | | | | |
| Managers | 2,335 | 1,500 | **3,835** | 1.2 | 1.6 | **1.4** | 2.7 | 2.9 | **2.8** |
| Professionals | 2,840 | 5,870 | **8,710** | 1.2 | 2.5 | **1.9** | 2.3 | 3.8 | **3.2** |
| Technicians and trades workers | 16,510 | 2,060 | **18,570** | 6.7 | 6.5 | **6.7** | 13.3 | 9.6 | **12.8** |
| Community and personal service workers | 5,490 | 10,280 | **15,765** | 9.6 | 9.7 | **9.6** | 14.0 | 11.6 | **12.4** |
| Clerical and administrative workers | 1,400 | 2,230 | **3,630** | 1.8 | 1.3 | **1.4** | 3.3 | 1.8 | **2.2** |
| Sales workers | 1,845 | 3,245 | **5,095** | 2.8 | 4.3 | **3.6** | 4.3 | 4.8 | **4.6** |
| Machinery operators and drivers | 12,480 | 1,285 | **13,770** | 9.8 | 11.7 | **9.9** | 19.4 | 19.0 | **19.3** |
| Labourers | 18,305 | 6,155 | **24,460** | 16.1 | 13.6 | **15.4** | 25.2 | 15.9 | **22.0** |
| **Total** | **61,750** | **32,960** | **94,710** | **5.6** | **4.2** | **5.0** | **10.4** | **6.0** | **8.3** |
| **Diseases** | | | | | | | | | |
| Managers | 430 | 480 | **910** | 0.2 | 0.5 | **0.3** | 0.5 | 0.9 | **0.7** |
| Professionals | 670 | 1,415 | **2,085** | 0.3 | 0.6 | **0.4** | 0.5 | 0.9 | **0.8** |
| Technicians and trades workers | 1,160 | 235 | **1,395** | 0.5 | 0.7 | **0.5** | 0.9 | 1.1 | **1.0** |
| Community and personal service workers | 1,080 | 1,285 | **2,360** | 1.9 | 1.2 | **1.4** | 2.8 | 1.5 | **1.9** |
| Clerical and administrative workers | 285 | 700 | **985** | 0.4 | 0.4 | **0.4** | 0.7 | 0.6 | **0.6** |
| Sales workers | 255 | 350 | **605** | 0.4 | 0.5 | **0.4** | 0.6 | 0.5 | **0.5** |
| Machinery operators and drivers | 1,125 | 145 | **1,270** | 0.9 | 1.3 | **0.9** | 1.7 | 2.1 | **1.8** |
| Labourers | 1,315 | 555 | **1,870** | 1.2 | 1.2 | **1.2** | 1.8 | 1.4 | **1.7** |
| **Total** | **6,355** | **5,195** | **11,550** | **0.6** | **0.7** | **0.6** | **1.1** | **0.9** | **1.0** |

1. Mechanism of injury or disease

The mechanism of injury or disease classification is used to describe the action, exposure or event that was the direct cause of the most serious injury or disease (Table 10). In 2016-17p, the most common mechanism of injury or disease that resulted in a serious claim was Body stressing (38 per cent), followed by Falls, trips and slips of a person (23.6 per cent) and Being hit by moving objects (15.6 per cent). These three mechanisms accounted for over 70 per cent of all serious claims. The least most common mechanism of injury or disease is Sound and pressure which led to only 115 serious claims (0.1 per cent).

Table 10: Number and percentage of serious claims by mechanism of injury or disease, 2016–17p

| **Mechanism of injury or disease** | **Number** | **Percentage** |
| --- | --- | --- |
| Body stressing | 40,330 | 38.0% |
| Falls, trips and slips of a person | 25,070 | 23.6% |
| Being hit by moving objects | 16,565 | 15.6% |
| Hitting objects with a part of the body | 8,070 | 7.6% |
| Vehicle incidents and other | 6,850 | 6.4% |
| Mental stress | 6,675 | 6.3% |
| Heat, electricity and other environmental factors | 1,455 | 1.4% |
| Chemicals and other substances | 800 | 0.8% |
| Biological factors | 335 | 0.3% |
| Sound and pressure | 115 | 0.1% |
| **Total** | **106,260** | **100%** |

1. Nature of injury or disease

Injury and musculoskeletal disorders led to 89 per cent of serious claims in 2016-17p and the most common were Traumatic joint/ligament and muscle/tendon injuries, accounting for 41 per cent of the total injury and musculoskeletal disorders. Diseases led to 11 per cent of serious claims, with the most common being Mental health conditions (7 per cent) (Table 11).

Both male and female employees recorded a high percentage of claims from traumatic joint/ligament and muscle/tendon injuries at 41 per cent and 43 per cent, respectively. In comparison, a higher percentage of male employees’ serious claims arose from Wounds, lacerations, amputations and internal organ damage (19 per cent compared with 11 per cent for female employees).

By contrast, a higher percentage of female employees’ serious claims arose from Mental health conditions (11 per cent compared with 4 per cent for male employees).

Table 11: Number and percentage of serious claims by nature of injury or disease and gender, 2016–17p

| **Nature of injury or disease** | **Number of serious claims** | | | **Proportion of claims** | | |
| --- | --- | --- | --- | --- | --- | --- |
|
|  | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **Injury and musculoskeletal disorders** | | | | | | |
| Traumatic joint/ligament and muscle/tendon injury | 27,620 | 16,305 | 43,930 | 41% | 43% | 41% |
| Wounds, lacerations, amputations and internal organ damage | 12,630 | 4,060 | 16,690 | 19% | 11% | 16% |
| Musculoskeletal and connective tissue diseases | 9,850 | 6,745 | 16,595 | 14% | 18% | 16% |
| Fractures | 7,785 | 3,700 | 11,485 | 11% | 10% | 11% |
| Other injuries | 2,105 | 1,045 | 3,145 | 3% | 3% | 3% |
| Burn | 1,080 | 540 | 1,620 | 2% | 1% | 2% |
| Intracranial injuries | 485 | 445 | 930 | 1% | 1% | 1% |
| Injury to nerves and spinal cord | 95 | 45 | 135 | 0% | 0% | 0% |
| **Total - Injury and musculoskeletal disorders** | **61,750** | **32,960** | **94,710** | **91%** | **86%** | **89%** |
| **Diseases** | | | | | | |
| Mental health conditions | 3,000 | 4,165 | 7,165 | 4% | 11% | 7% |
| Digestive system diseases | 2,085 | 130 | 2,215 | 3% | 0% | 2% |
| Nervous system and sense organ diseases | 625 | 470 | 1,095 | 1% | 1% | 1% |
| Skin and subcutaneous tissue diseases | 305 | 120 | 425 | 0% | 0% | 0% |
| Respiratory system diseases | 80 | 140 | 215 | 0% | 0% | 0% |
| Infectious and parasitic diseases | 115 | 90 | 205 | 0% | 0% | 0% |
| Circulatory system diseases | 65 | 35 | 100 | 0% | 0% | 0% |
| Other diseases | 35 | 45 | 75 | 0% | 0% | 0% |
| Neoplasms (cancer) | 50 | np | 55 | 0% | 0% | 0% |
| **Total - Diseases** | **6,355** | **5,195** | **11,550** | **9%** | **14%** | **11%** |
| **Total – All serious claims** | **68,105** | **38,155** | **106,260** | **64%** | **36%** | **100%** |

1. Breakdown agency of injury or disease

The breakdown agency is intended to identify the object, substance or circumstance that was principally involved in, or most commonly associated with, the point at which things started to go wrong and which ultimately led to the most serious injury or disease. In 2016-17p, the most common breakdown agency was Non-powered hand tools, appliances and equipment, accounting for almost a quarter of all serious claims (23.9 per cent) (Table 12).

Table 12: Number and percentage of serious claims by breakdown agency of injury or disease, 2016–17p

| **Breakdown agency of injury or disease** | **Number** | **Percentage** |
| --- | --- | --- |
| Non-powered hand tools, appliances and equipment | 25,430 | 23.9% |
| Environmental agencies | 17,910 | 16.9% |
| Animal, human and biological agencies | 14,910 | 14.0% |
| Materials and substances | 14,900 | 14.0% |
| Mobile plant and transport | 10,245 | 9.6% |
| Machinery and (mainly) fixed plant | 5,105 | 4.8% |
| Powered equipment, tools and appliances | 4,515 | 4.3% |
| Chemicals and chemical products | 700 | 0.7% |
| **Total** | **106,260** | **100%** |

1. Mechanism of injury or disease and Breakdown agency

Body Stressing caused nearly 40 per cent of all serious claims in 2016–17p, while Falls, trips and slips led to further 23 per cent of serious claims. One third of Body stressing claims involved Non-powered hand tools, appliances and equipment (33.1 per cent), whereas Environmental agencies (e.g. steps, uneven ground, traffic etc.) caused the majority (56.4 per cent) of Falls, trips and slips of a person (Table 13).

Table 13: Number and percentage of serious claims by mechanism and breakdown agency of injury or disease, 2016–17p

| **Mechanism of injury or disease**  **Breakdown agency of injury or disease** | **Number** | **Percentage** |
| --- | --- | --- |
| **Body stressing** | **40,330** | **38.0%** |
| Non-powered handtools, appliances and equipment | 13,340 | 33.1% |
| Materials and substances | 7,210 | 17.9% |
| Animal, human and biological agencies | 5,155 | 12.8% |
| **Falls, trips and slips of a person** | **25,070** | **23.6%** |
| Environmental agencies | 14,155 | 56.5% |
| Non-powered handtools, appliances and equipment | 4,445 | 17.7% |
| Mobile plant and transport | 2,315 | 9.2% |
| Materials and substances | 1,580 | 6.3% |
| **Being hit by moving objects** | **16,565** | **15.6%** |
| Animal, human and biological agencies | 4,460 | 26.9% |
| Non-powered handtools, appliances and equipment | 3,850 | 23.2% |
| Materials and substances | 3,255 | 19.6% |
| Machinery and (mainly) fixed plant | 1,805 | 10.9% |
| **Hitting objects with a part of the body** | **8,070** | **7.6%** |
| Non-powered handtools, appliances and equipment | 3,425 | 42.4% |
| Materials and substances | 1,785 | 22.1% |
| Machinery and (mainly) fixed plant | 830 | 10.3% |
| Powered equipment, tools and appliances | 610 | 7.6% |
| **Vehicle incidents and other** | **6,850** | **6.4%** |
| Other and unspecified agencies | 3,310 | 48.3% |
| Mobile plant and transport | 2,310 | 33.7% |
| Animal, human and biological agencies | 455 | 6.6% |
| **Heat, electricity and other environmental factors** | **1,455** | **1.4%** |
| Materials and substances | 705 | 48.6% |
| Powered equipment, tools and appliances | 220 | 15.2% |
| Machinery and (mainly) fixed plant | 185 | 12.8% |
| **Chemicals and other substances** | **800** | **0.8%** |
| Chemicals and chemical products | 390 | 48.7% |
| Animal, human and biological agencies | 160 | 19.8% |
| Materials and substances | 145 | 18.3% |
| **Biological factors** | **335** | **0.3%** |
| Animal, human and biological agencies | 280 | 83.7% |
| **Sound and pressure** | **115** | **0.1%** |
| **Total** | **106,260** | **100.0%** |

Note: The table above only features the most common breakdown agencies and as a result, the percentages and numbers of serious claims do not add to the stated totals.

1. Mechanism of injury or disease and Bodily location

Table 14 refers to the mechanism of the injury or disease broken down by the part of the body affected by the most serious injury or disease. In 2016-17p, more than one third of Body stressing claims affected the upper or lower back (37.9 per cent). On the other hand, claims involving falls, trips and slips of a person mostly affected the Knee (19.6 per cent).

Table 14: Number and percentage of serious claims by mechanism and bodily location of injury or disease, 2016–17p

| **Mechanism of injury or disease**  **Bodily location of injury or disease** | **Number** | **Percentage** |
| --- | --- | --- |
| **Body stressing** | **40,330** | **38.0%** |
| Back - upper or lower | 15,275 | 37.9% |
| Shoulder | 7,325 | 18.2% |
| Knee | 3,570 | 8.9% |
| Abdomen and pelvic region | 2,400 | 5.9% |
| Wrist | 2,060 | 5.1% |
| Hand, fingers and thumb | 1,485 | 3.7% |
| Elbow | 1,315 | 3.3% |
| Neck | 1,055 | 2.6% |
| **Falls, trips and slips of a person** | **25,070** | **23.6%** |
| Knee | 4,920 | 19.6% |
| Ankle | 4,315 | 17.2% |
| Back - upper or lower | 2,840 | 11.3% |
| Shoulder | 2,100 | 8.4% |
| Wrist | 1,620 | 6.5% |
| Foot and toes | 1,270 | 5.1% |
| Hand, fingers and thumb | 885 | 3.5% |
| Lower leg | 770 | 3.1% |
| **Being hit by moving objects** | **16,565** | **15.6%** |
| Hand, fingers and thumb | 6,160 | 37.2% |
| Foot and toes | 1,600 | 9.7% |
| Back - upper or lower | 815 | 4.9% |
| Shoulder | 785 | 4.7% |
| Knee | 685 | 4.1% |
| **Hitting objects with a part of the body** | **8,070** | **7.6%** |
| Hand, fingers and thumb | 4,710 | 58.4% |
| Knee | 480 | 6.0% |
| **Vehicle incidents and other** | **6,850** | **6.4%** |
| Back - upper or lower | 1,060 | 15.5% |
| Shoulder | 710 | 10.4% |
| Hand, fingers and thumb | 680 | 9.9% |
| **Mental stress** | **6,675** | **6.3%** |
| **Heat, electricity and other environmental factors** | **1,455** | **1.4%** |
| Hand, fingers and thumb | 465 | 31.8% |
| Forearm | 160 | 11.0% |
| Foot and toes | 125 | 8.6% |
| **Chemicals and other substances** | **800** | **0.8%** |
| Eye | 155 | 19.4% |
| Hand, fingers and thumb | 140 | 17.7% |
| **Biological factors** | **335** | **0.3%** |
| **Sound and pressure** | **115** | **0.1%** |
| **Total** | **106,260** | **100.0%** |

**Note**: The table above only includes the most bodily locations and as a result, the percentages and numbers of serious claims do not add to the stated totals.



Section 2:  
Trends in serious claims  
2000-01 to 2016-17

*The National Data Set for Compensation-Based Statistics (NDS) was first introduced as a standard set of data items collected by each jurisdiction in 1987. Following a review of the NDS, reporting requirements were changed significantly for the 2000–01 financial year. The statistics in this chapter cover serious claims that were lodged between 2000–01 and 2016–17.*

*Data for 2016–17 are preliminary and are not used to calculate percentage changes. Percentage changes are calculated using data for 2000–01 and 2015–16. When analysing trends over time, consideration needs to be given to legislative changes that may influence trends in workers’ compensation data. Information on workers’ compensation arrangements can be found in Safe Work Australia’s Comparison of Workers’ Compensation Arrangements in Australia and New Zealand available on the Safe Work Australia* [*website*](https://www.safeworkaustralia.gov.au/topics/comparing-workers-compensation-schemes)*.*

1. Serious claims, number of hours worked and number of employees

The following analysis of trends uses serious claims from 2000-01 to 2015-16. Data for the most recent available year (2016-17) are displayed but not used in examining the trends. The data in Table 15 shows that there was a 19 per cent decrease in the number of claims from 133,040 claims in 2000-01 to 107,380 claims in 2015-16.

Table 15: Number and rates of serious claims, number of hours worked and number of employees, 2000–01 to 2016–17p

| **Year of lodgement** | **Number of serious claims** | **Frequency rate (serious claims per million**  **hours worked)** | **Incidence rate (serious claims per 1,000 employees)** | **Total hours worked (billion)** | **Number of employees (million)** |
| --- | --- | --- | --- | --- | --- |
| 2000-01 | 133,040 | 9.5 | 16.3 | 14.0 | 8.2 |
| 2001-02 | 130,110 | 9.2 | 15.8 | 14.1 | 8.3 |
| 2002-03 | 132,385 | 9.1 | 15.6 | 14.5 | 8.5 |
| 2003-04 | 133,265 | 9.1 | 15.4 | 14.6 | 8.6 |
| 2004-05 | 134,725 | 8.9 | 15.2 | 15.2 | 8.9 |
| 2005-06 | 130,360 | 8.4 | 14.2 | 15.4 | 9.2 |
| 2006-07 | 129,410 | 8.1 | 13.6 | 16.0 | 9.5 |
| 2007-08 | 129,490 | 7.9 | 13.4 | 16.3 | 9.7 |
| 2008-09 | 126,115 | 7.7 | 12.8 | 16.4 | 9.9 |
| 2009-10 | 124,365 | 7.5 | 12.5 | 16.5 | 10.0 |
| 2010-11 | 127,700 | 7.5 | 12.5 | 17.0 | 10.2 |
| 2011-12 | 127,425 | 7.3 | 12.3 | 17.4 | 10.4 |
| 2012-13 | 119,130 | 6.7 | 11.3 | 17.7 | 10.6 |
| 2013-14 | 113,240 | 6.3 | 10.5 | 18.1 | 10.8 |
| 2014-15 | 110,080 | 6.0 | 10.0 | 18.3 | 11.0 |
| 2015-16 | 107,380 | 5.8 | 9.5 | 18.6 | 11.3 |
| **% change**  **2000‑01 to 2015‑16** | **-19%** | **-39%** | **-41%** | **32%** | **38%** |
| **2016-17p** | **106,260** | **5.6** | **9.3** | **18.9** | **11.5** |

Figure 1 shows that frequency rates (serious claims per million hours worked) have been trending downward while employee’s total hours worked (by billion) have been increasing over the years.

Figure 1: Frequency rates and Total hours worked, 2000–01 to 2016-17p

1. Gender

Over the period from 2000-01 to 2015-16, the number of serious claims have decreased by 24 per cent for male employees and 9 per cent for female employees. Frequency rates have also fallen over the same period, 34 per cent for females and 41 per cent for males.

Table 16: Number and rates of serious claims by gender, 2000–01 to 2016–17p

|  | **Male** | | | **Female** | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Year of lodgement** | **Number of  serious claims** | **Frequency  rate (serious claims per million hours worked)** | **Incidence  rate (serious claims per 1,000 employees)** | **Number of  serious claims** | **Frequency  rate (serious claims per million hours worked)** | **Incidence  rate (serious claims per 1,000 employees)** |
| 2000-01 | 90,995 | 10.7 | 20.9 | 42,045 | 7.6 | 11.0 |
| 2001-02 | 88,195 | 10.3 | 20.2 | 41,915 | 7.5 | 10.8 |
| 2002-03 | 89,510 | 10.2 | 20.1 | 42,875 | 7.4 | 10.6 |
| 2003-04 | 89,345 | 10.1 | 19.6 | 43,915 | 7.6 | 10.7 |
| 2004-05 | 90,010 | 9.9 | 19.2 | 44,715 | 7.4 | 10.6 |
| 2005-06 | 87,145 | 9.4 | 18.1 | 43,210 | 7.0 | 9.9 |
| 2006-07 | 86,510 | 9.1 | 17.4 | 42,905 | 6.7 | 9.5 |
| 2007-08 | 85,255 | 8.8 | 16.8 | 44,235 | 6.7 | 9.6 |
| 2008-09 | 81,835 | 8.4 | 15.9 | 44,280 | 6.6 | 9.4 |
| 2009-10 | 79,350 | 8.1 | 15.3 | 45,010 | 6.7 | 9.5 |
| 2010-11 | 81,160 | 8.0 | 15.2 | 46,540 | 6.8 | 9.6 |
| 2011-12 | 80,685 | 7.8 | 14.9 | 46,740 | 6.6 | 9.4 |
| 2012-13 | 75,345 | 7.1 | 13.6 | 43,785 | 6.1 | 8.7 |
| 2013-14 | 72,175 | 6.7 | 12.7 | 41,065 | 5.6 | 8.0 |
| 2014-15 | 70,430 | 6.5 | 12.2 | 39,650 | 5.3 | 7.5 |
| 2015-16 | 69,040 | 6.3 | 11.8 | 38,345 | 5.0 | 7.1 |
| % change | -24% | -41% | -43% | -9% | -34% | -36% |
| **2016-17p** | 68,105 | 6.2 | 11.5 | 38,155 | 4.9 | 6.9 |

The gap between male and female employees’ frequency rates declined between 2000–01 and 2014−15 (from 40 per cent gap in 2000-01 to only 23 per cent gap in 2014-15) but has widened slightly in recent years due to a slight rise in the proportion of female employees. Figure 2 shows that the frequency rates of serious claims for both males and females however, have been trending down.

Figure 2: Frequency rates of serious claims by gender, 2000–01 to 2016–17p

1. Age group

Tables 17, 18 and 19 present information on the age of employees who had serious claims in the period 2000-01 to 2015-16. Table 17 indicates that the largest percentage drops in numbers of serious claims were recorded in the 15‑19 years age group (down 46 per cent) and 35-39 years age group (down 41 per cent). In contrast, the 55-59 years, 60‑64 years and 65+ age groups have all shown an increase in the number of serious claims over the period, up by 46 per cent, 110 per cent, and 269 per cent respectively, which may in part reflect the ageing workforce.

Table 17: Number of serious claims by age group, 2000–01 and 2011–12 to 2016–17p

| Age group | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15-19 years | 6,645 | 4,835 | 4,245 | 3,650 | 3,640 | 3,590 | **-46%** | 3,635 |
| 20-24 years | 13,560 | 11,175 | 10,450 | 9,945 | 10,010 | 9,755 | **-28%** | 10,080 |
| 25-29 years | 15,790 | 12,250 | 11,580 | 10,975 | 10,865 | 10,615 | **-33%** | 10,860 |
| 30-34 years | 16,510 | 12,110 | 11,270 | 11,095 | 10,915 | 10,615 | **-36%** | 10,390 |
| 35-39 years | 17,895 | 13,650 | 12,405 | 11,385 | 10,710 | 10,470 | **-41%** | 10,070 |
| 40-44 years | 18,425 | 16,010 | 15,115 | 14,230 | 13,420 | 12,470 | **-32%** | 11,540 |
| 45-49 years | 16,615 | 17,115 | 15,440 | 14,585 | 13,955 | 13,510 | **-19%** | 13,545 |
| 50-54 years | 15,030 | 17,020 | 16,125 | 15,395 | 14,590 | 14,155 | **-6%** | 13,735 |
| 55-59 years | 8,280 | 13,015 | 12,365 | 12,020 | 11,875 | 12,080 | **46%** | 11,960 |
| 60-64 years | 3,575 | 8,005 | 7,660 | 7,530 | 7,500 | 7,495 | **110%** | 7,595 |
| 65+ years | 710 | 2,240 | 2,455 | 2,420 | 2,580 | 2,625 | **269%** | 2,845 |
| Total | **133,040** | **127,425** | **119,130** | **113,240** | **110,080** | **107,380** | **-19%** | **106,260** |

The increase in the number of serious claims for older workers is in line with the general ageing workforce. As shown in Figure 3 below, the percentage of serious claims made by employees aged 55 years and above has been trending upward, rising from 9 per cent in 2000−01 to 21 per cent in 2015–16.

In contrast, there has been a slight fall in the proportion of serious claims made by young workers aged under 25 years, but it has remained relatively steady for the last seven years. As a result, from 2008–09 onwards, the percentage of serious claims made by employees aged 55 years and above has exceeded the percentage for employees aged under 25 years.

Figure 3: Percentage of serious claims by age group, 2000–01 to 2016–17p

Table 18 shows that while the number of claims have increased over the same period the frequency rates for the 55‑59 years, 60-64 years and 65+ years age groups have fallen (down by 26 per cent, 33 per cent, and 18 per cent respectively).

More broadly the frequency and incidence rates have fallen in all age groups over the period. The largest falls in frequency rates and incidence rates were from employees who were from the 30-34 years age group (frequency rate down by 52 per cent and incidence rate down by 53 per cent) and the 35-39 years age group (frequency rate down by 51 per cent and incidence rate down by 52 per cent) over the period.

Table 18: Frequency rate (serious claims per million hours worked) by age group, 2000–01 and 2011–12 to 2016–17p

| Age group | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15-19 years | 9.4 | 7.2 | 6.7 | 6.1 | 6.1 | 6.0 | **-37%** | 6.4 |
| 20-24 years | 8.1 | 6.0 | 5.8 | 5.6 | 5.6 | 5.3 | **-35%** | 5.7 |
| 25-29 years | 8.0 | 5.3 | 5.1 | 4.7 | 4.6 | 4.4 | **-45%** | 4.5 |
| 30-34 years | 9.2 | 5.9 | 5.2 | 5.0 | 4.7 | 4.4 | **-52%** | 4.3 |
| 35-39 years | 10.1 | 6.8 | 6.2 | 5.6 | 5.2 | 5.0 | **-51%** | 4.6 |
| 40-44 years | 10.0 | 7.8 | 7.0 | 6.5 | 6.1 | 5.7 | **-43%** | 5.3 |
| 45-49 years | 9.9 | 8.5 | 7.6 | 7.0 | 6.6 | 6.4 | **-36%** | 6.2 |
| 50-54 years | 10.6 | 9.0 | 8.4 | 7.7 | 7.3 | 7.1 | **-33%** | 6.9 |
| 55-59 years | 10.2 | 9.1 | 8.4 | 7.8 | 7.6 | 7.5 | **-26%** | 7.2 |
| 60-64 years | 11.8 | 9.8 | 9.0 | 8.5 | 8.2 | 7.9 | **-33%** | 7.7 |
| 65+ years\* | 7.2 | 6.5 | 6.6 | 5.9 | 6.4 | 5.9 | **-18%** | 6.0 |
| Total | **9.5** | **7.3** | **6.7** | **6.3** | **6.0** | **5.8** | **-39%** | **5.6** |

\*Rates data related to the 65+ years age group should be used with caution. See explanatory notes for further information.

Table 19: Incidence rate (serious claims per 1,000 employees) by age group, 2000–01 and 2011–12 to 2016‑17p

| Age group | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15-19 years | 9.7 | 7.0 | 6.3 | 5.6 | 5.4 | 5.3 | **-45%** | 5.5 |
| 20-24 years | 13.3 | 9.3 | 8.9 | 8.5 | 8.4 | 7.8 | **-41%** | 8.2 |
| 25-29 years | 14.7 | 9.5 | 9.0 | 8.3 | 8.0 | 7.7 | **-48%** | 7.8 |
| 30-34 years | 16.7 | 10.5 | 9.3 | 8.8 | 8.3 | 7.9 | **-53%** | 7.5 |
| 35-39 years | 18.2 | 12.1 | 10.9 | 9.9 | 9.2 | 8.8 | **-52%** | 8.1 |
| 40-44 years | 18.1 | 13.8 | 12.5 | 11.6 | 10.8 | 10.2 | **-44%** | 9.3 |
| 45-49 years | 18.1 | 15.4 | 13.7 | 12.7 | 11.9 | 11.3 | **-38%** | 11.1 |
| 50-54 years | 19.3 | 16.0 | 14.8 | 13.6 | 13.0 | 12.5 | **-35%** | 12.2 |
| 55-59 years | 18.0 | 15.7 | 14.5 | 13.4 | 13.0 | 13.0 | **-28%** | 12.4 |
| 60-64 years | 19.2 | 15.7 | 14.4 | 13.7 | 13.1 | 12.5 | **-35%** | 12.2 |
| 65+ years\* | 10.0 | 9.1 | 8.9 | 8.0 | 8.2 | 7.8 | **-22%** | 8.1 |
| Total | **16.3** | **12.3** | **11.3** | **10.5** | **10.0** | **9.5** | **-41%** | **9.3** |

\*Rates data related to the 65+ years age group should be used with caution. See explanatory notes for further information.

In most occupations, as workers age, frequency rates increase. This is not the case, however, for Labourers who recorded the highest frequency rate in the 25-54 years age group and Managers who recorded the highest frequency rate in the under 25 years age group (Figure 4).

Figure 4: Frequency rate by age group and occupation, 2000–01 to 2016–17p

1. Industry

Table 20 shows that from 2000-01 to 2015-16, the number of serious claims decreased in 15 of the 19 industry divisions. The largest decrease in the number of claims over this period occurred among employees in the Information, media and telecommunications industry (down by 56 per cent), followed by the Manufacturing industry (down 51 per cent), and the Financial and insurance services industry (down by 48 per cent).

Similarly, the number of serious claims both decreased for the Road transport (down by 20 per cent) and Agriculture (down by 32 per cent) industry sub-divisions over the same period.

Table 20: Number of serious claims by industry, 2000–01 and 2011-12 to 2016–17p

| Industry | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Health care and social assistance | 15,315 | 19,935 | 19,240 | 17,850 | 17,440 | 16,705 | 9% | 17,190 |
| Construction | 12,295 | 12,905 | 12,310 | 12,400 | 12,660 | 13,085 | 6% | 13,280 |
| Manufacturing | 27,035 | 17,735 | 15,575 | 14,260 | 14,160 | 13,270 | -51% | 12,860 |
| Retail trade | 11,895 | 10,505 | 9,850 | 9,790 | 9,630 | 9,450 | -21% | 8,490 |
| Transport, postal and warehousing | 11,565 | 11,530 | 10,385 | 9,755 | 9,225 | 8,615 | -25% | 8,330 |
| Road transport | 5,260 | 5,100 | 4,800 | 4,555 | 4,380 | 4,230 | -20% | 4,155 |
| Public administration and safety | 8,120 | 9,950 | 10,090 | 9,280 | 8,565 | 8,075 | -1% | 7,710 |
| Education and training | 6,100 | 7,355 | 6,895 | 6,640 | 6,865 | 6,705 | 10% | 6,850 |
| Accommodation and food services | 7,395 | 7,085 | 6,725 | 6,290 | 6,335 | 6,325 | -14% | 6,175 |
| Administrative and support services | 6,265 | 5,730 | 4,995 | 4,505 | 3,830 | 4,280 | -32% | 4,730 |
| Wholesale trade | 5,900 | 5,070 | 4,865 | 4,655 | 4,705 | 4,635 | -21% | 4,500 |
| Agriculture, forestry and fishing | 5,455 | 3,865 | 3,660 | 3,475 | 3,440 | 3,620 | -34% | 3,620 |
| Agriculture | 4,155 | 2,970 | 2,875 | 2,650 | 2,640 | 2,825 | -32% | 2,765 |
| Other services | 4,270 | 3,865 | 3,635 | 3,520 | 3,100 | 3,035 | -29% | 3,065 |
| Arts and recreation services | 2,320 | 2,620 | 2,125 | 2,260 | 2,245 | 2,200 | -5% | 2,190 |
| Mining | 1,895 | 2,875 | 3,060 | 2,865 | 2,225 | 2,140 | 13% | 2,030 |
| Professional, scientific and technical services | 2,110 | 2,085 | 1,850 | 1,825 | 1,860 | 1,765 | -16% | 1,795 |
| Electricity, gas, water and waste services | 1,415 | 1,285 | 1,280 | 1,250 | 1,215 | 1,175 | -17% | 1,210 |
| Rental, hiring and real estate services | 1,030 | 1,185 | 1,025 | 1,035 | 1,045 | 985 | -4% | 970 |
| Information media and telecommunications | 1,230 | 755 | 605 | 620 | 600 | 545 | -56% | 590 |
| Financial and insurance services | 1,310 | 965 | 835 | 790 | 765 | 680 | -48% | 585 |
| Total | **133,040** | **127,425** | **119,130** | **113,240** | **110,080** | **107,380** | **-19%** | **106,260** |

While some industries recorded increasing serious claim numbers, Table 21 indicates that frequency rates have fallen in all industries since 2000-01.

The largest falls in frequency rates over the period occurred in both the Mining industry (down by 60 per cent) and Financial and insurance service industry (down by 59 per cent). A large decrease in frequency rate was also recorded in Information media and telecommunications industry (down by 52 per cent). The smallest improvements occurred in the Wholesale trade (down by 17 per cent), Education and training (down by18 per cent), and Public administration and safety (down by 28 per cent) industries.

Table 21: Frequency rate (serious claims per million hours worked) by industry, 2000–01 and 2011-12 to 2016‑17p

| Industry | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Health care and social assistance | 12.1 | 10.4 | 10.0 | 9.0 | 8.5 | 7.6 | -37% | 7.8 |
| Construction | 13.5 | 8.9 | 8.4 | 7.8 | 8.0 | 8.2 | -39% | 8.1 |
| Manufacturing | 13.9 | 10.7 | 9.5 | 8.7 | 8.8 | 8.7 | -38% | 8.0 |
| Retail trade | 8.8 | 6.5 | 6.0 | 5.9 | 5.6 | 5.4 | -38% | 5.0 |
| Transport, postal and warehousing | 14.9 | 12.3 | 10.5 | 9.7 | 8.7 | 8.1 | -46% | 8.0 |
| Road transport | 16.2 | 14.8 | 12.9 | 12.2 | 10.3 | 9.9 | -39% | 9.9 |
| Public administration and safety | 8.8 | 8.0 | 8.3 | 7.2 | 6.9 | 6.4 | -28% | 5.9 |
| Education and training | 5.5 | 5.4 | 4.9 | 4.6 | 4.7 | 4.5 | -18% | 4.4 |
| Accommodation and food services | 8.9 | 7.4 | 6.9 | 6.5 | 6.1 | 6.0 | -32% | 5.6 |
| Administrative and support services | 11.6 | 8.2 | 7.2 | 6.5 | 5.6 | 5.9 | -49% | 6.3 |
| Wholesale trade | 8.2 | 7.1 | 6.4 | 6.5 | 6.5 | 6.9 | -17% | 6.6 |
| Agriculture, forestry and fishing | 14.3 | 10.6 | 10.6 | 8.9 | 9.8 | 9.3 | -34% | 9.5 |
| Agriculture | 13.6 | 9.8 | 9.9 | 8.1 | 9.0 | 8.5 | -31% | 9.3 |
| Other services | 7.8 | 6.2 | 5.9 | 5.1 | 4.7 | 4.7 | -40% | 4.5 |
| Arts and recreation services | 13.7 | 9.6 | 8.0 | 9.1 | 7.9 | 7.3 | -47% | 8.1 |
| Mining | 10.8 | 5.3 | 5.2 | 4.9 | 4.6 | 4.3 | -60% | 4.2 |
| Professional, scientific and technical services | 2.0 | 1.5 | 1.3 | 1.2 | 1.2 | 1.1 | -46% | 1.1 |
| Electricity, gas, water and waste services | 9.3 | 4.6 | 4.9 | 4.4 | 4.5 | 4.3 | -54% | 4.7 |
| Rental, hiring and real estate services | 4.6 | 3.6 | 3.2 | 3.0 | 2.8 | 2.7 | -42% | 2.6 |
| Information media and telecommunications | 3.1 | 2.0 | 1.6 | 1.8 | 1.6 | 1.5 | -52% | 1.6 |
| Financial and insurance services | 2.2 | 1.3 | 1.2 | 1.0 | 1.0 | 0.9 | -59% | 0.7 |
| Total | **9.5** | **7.3** | **6.7** | **6.3** | **6.0** | **5.8** | **-39%** | **5.6** |

The trends in incidence rates are similar to the pattern for frequency rates, with incidence rates falling in all industries from 2000-01 to 2015-16 (Table 22). The largest falls in incidence rates occurred in the Mining and Financial and insurance service industries (both down by 61 per cent). This was followed by the Electricity, gas, water and waste service industry (down by 53 per cent).

Table 22: Incidence rate (serious claims per 1,000 employees) by industry, 2000–01 and 2011-12 to 2016–17p

| Industry | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Health care & social assistance | 17.9 | 15.1 | 14.2 | 12.9 | 12.2 | 10.9 | -39% | 11.1 |
| Construction | 27.7 | 17.9 | 17.0 | 15.8 | 15.9 | 16.4 | -41% | 16.0 |
| Manufacturing | 27.3 | 20.6 | 18.0 | 16.3 | 16.5 | 16.1 | -41% | 15.1 |
| Retail trade | 12.2 | 8.9 | 8.4 | 8.2 | 7.9 | 7.5 | -38% | 7.0 |
| Transport, postal & warehousing | 29.3 | 23.3 | 19.8 | 18.2 | 16.6 | 15.3 | -48% | 15.0 |
| Road transport | 34.6 | 30.2 | 26.2 | 25.0 | 21.1 | 20.1 | -42% | 20.3 |
| Public administration & safety | 15.5 | 13.8 | 14.1 | 12.1 | 11.5 | 10.7 | -31% | 9.6 |
| Education & training | 9.1 | 8.5 | 7.5 | 7.2 | 7.2 | 6.9 | -24% | 6.8 |
| Accommodation & food services | 11.9 | 9.3 | 8.8 | 8.4 | 7.7 | 7.5 | -37% | 7.1 |
| Administrative & support services | 19.2 | 13.3 | 11.8 | 10.5 | 9.0 | 9.3 | -52% | 10.0 |
| Wholesale trade | 16.1 | 13.4 | 12.1 | 12.4 | 12.6 | 12.8 | -21% | 12.4 |
| Agriculture, forestry & fishing | 27.8 | 21.1 | 20.5 | 17.8 | 18.9 | 18.2 | -34% | 18.7 |
| Agriculture | 26.1 | 19.5 | 19.2 | 16.4 | 17.5 | 17.0 | -35% | 18.3 |
| Other services | 13.7 | 10.8 | 10.2 | 8.8 | 7.9 | 8.1 | -41% | 7.6 |
| Arts & recreation services | 18.6 | 12.7 | 10.7 | 11.9 | 9.9 | 10.0 | -47% | 10.2 |
| Mining | 25.1 | 12.2 | 11.9 | 11.1 | 10.1 | 9.7 | -61% | 9.3 |
| Professional, scientific & technical services | 3.8 | 2.8 | 2.4 | 2.3 | 2.1 | 2.0 | -49% | 1.9 |
| Electricity, gas, water & waste services | 17.8 | 9.0 | 9.4 | 8.4 | 8.7 | 8.3 | -53% | 9.2 |
| Rental, hiring & real estate services | 8.8 | 6.7 | 5.9 | 5.4 | 5.2 | 4.9 | -45% | 4.7 |
| Information media & telecommunications | 5.4 | 3.7 | 2.8 | 3.2 | 2.9 | 2.6 | -51% | 2.8 |
| Financial & insurance services | 4.0 | 2.4 | 2.1 | 1.9 | 1.9 | 1.6 | -61% | 1.4 |
| Total | **16.3** | **12.3** | **11.3** | **10.5** | **10.0** | **9.5** | **-41%** | **9.3** |

1. Occupation

Tables 23, 24 and 25 show the number of serious workers’ compensation claims decreased in six of the eight major occupation groups. The largest percentage decrease in the number of claims from 2000-01 to 2015-16 occurred among Clerical and administrative workers (down by 34 per cent), followed by Labourers (down by 30 per cent), and Technicians and trade workers (down by 28 per cent). In contrast, the greatest increase in the number of serious claims was recorded by the Community and personal service workers group, which rose by 17 per cent over the period.

All occupations have recorded a fall both in frequency and incidence rates over the period. The largest falls were recorded for Managers where frequency rate was down by 47 per cent and incidence rate was down by 52 per cent.

Table 23: Number of serious claims by occupation, 2000–01 and 2011–12 to 2016–17p

| Occupation | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Labourers | 38,570 | 31,425 | 28,850 | 27,130 | 26,920 | 26,960 | **-30%** | 26,330 |
| Technicians and trades workers | 27,155 | 22,830 | 21,505 | 20,755 | 20,020 | 19,460 | **-28%** | 19,965 |
| Community and personal service workers | 15,020 | 20,890 | 20,055 | 19,095 | 18,515 | 17,600 | **17%** | 18,130 |
| Machinery operators and drivers | 20,290 | 19,270 | 17,790 | 17,040 | 16,305 | 15,320 | **-25%** | 15,035 |
| Professionals | 10,405 | 12,055 | 11,925 | 11,180 | 11,150 | 9,975 | **-4%** | 10,795 |
| Sales workers | 7,390 | 7,385 | 6,480 | 6,320 | 6,165 | 6,020 | **-19%** | 5,695 |
| Managers | 5,200 | 5,940 | 5,205 | 5,075 | 4,765 | 4,750 | **-9%** | 4,745 |
| Clerical and administrative workers | 7,955 | 7,320 | 6,770 | 5,890 | 5,720 | 5,225 | **-34%** | 4,615 |
| Total | **133,040** | **127,425** | **119,130** | **113,240** | **110,080** | **107,380** | **-19%** | **106,260** |

Table 24: Frequency rate (serious claims per million hours worked) by occupation, 2000–01 and 2011–12 to 2016–17p

| Occupation | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Labourers | 26.6 | 20.7 | 18.9 | 17.9 | 18.1 | 18.1 | **-32%** | 16.5 |
| Technicians and trades workers | 12.7 | 8.7 | 7.9 | 7.6 | 7.2 | 7.0 | **-45%** | 7.2 |
| Community and personal service workers | 15.0 | 14.7 | 14.1 | 12.8 | 12.2 | 10.9 | **-27%** | 11.1 |
| Machinery operators and drivers | 18.1 | 13.8 | 12.4 | 12.1 | 11.6 | 11.4 | **-37%** | 10.8 |
| Professionals | 3.4 | 2.9 | 2.8 | 2.6 | 2.5 | 2.2 | **-36%** | 2.3 |
| Sales workers | 5.9 | 5.7 | 4.8 | 4.6 | 4.3 | 4.2 | **-29%** | 4.0 |
| Managers | 3.2 | 2.4 | 2.1 | 1.9 | 1.7 | 1.7 | **-47%** | 1.7 |
| Clerical and administrative workers | 3.3 | 2.9 | 2.7 | 2.3 | 2.3 | 2.0 | **-38%** | 1.8 |
| Total | **9.5** | **7.3** | **6.7** | **6.3** | **6.0** | **5.8** | **-39%** | **5.6** |

Table 25: Incidence rate (serious claims per 1000 employees) by occupation, 2000–01 and 2011–12 to 2016‑17p

| Occupation | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Labourers | 39.2 | 30.1 | 27.3 | 25.8 | 26.1 | 25.8 | **-34%** | 23.7 |
| Technicians and trades workers | 24.9 | 16.7 | 15.3 | 14.5 | 13.8 | 13.4 | **-46%** | 13.7 |
| Community and personal service workers | 20.3 | 19.1 | 18.2 | 16.7 | 15.7 | 14.0 | **-31%** | 14.2 |
| Machinery operators and drivers | 35.3 | 27.6 | 24.8 | 24.0 | 22.8 | 22.1 | **-37%** | 21.1 |
| Professionals | 6.4 | 5.2 | 4.9 | 4.5 | 4.3 | 3.7 | **-42%** | 3.9 |
| Sales workers | 7.7 | 7.1 | 6.1 | 5.8 | 5.6 | 5.3 | **-32%** | 5.2 |
| Managers | 7.4 | 5.0 | 4.4 | 4.0 | 3.6 | 3.5 | **-52%** | 3.5 |
| Clerical and administrative workers | 5.3 | 4.5 | 4.2 | 3.6 | 3.5 | 3.1 | **-41%** | 2.8 |
| Total | **16.3** | **12.3** | **11.3** | **10.5** | **10.0** | **9.5** | **-41%** | **9.3** |

1. Nature of injury or disease

Table 26 shows that serious claims related to injury and musculoskeletal disorders fell by 20 per cent from 119,730 claims in 2000-01 to 95,855 claims in 2015-16. This was driven by a significant fall in the number of Wounds, lacerations, amputations and internal organ damage claims (down by 26 per cent).

While the number of serious claims involving diseases decreased by 13 per cent between 2000-01 and 2015-16, the number of serious claims involving Mental health conditions increased by 5 per cent. The largest decrease in serious claims involving diseases was Neoplasms (cancer), which was down by 46 per cent over the period.

Table 26: Number of serious claims by nature of injury or disease, 2000–01 and 2011-12 to 2016-17p

| Nature of injury or disease | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Injury and musculoskeletal disorders** | | | | | | | | |
| Traumatic joint/ligament and muscle/tendon injury and musculoskeletal and connective tissue diseases | 80,700 | 77,780 | 72,255 | 68,735 | 65,750 | 62,420 | -23% | 60,525 |
| Wounds, lacerations, amputations and internal organ damage | 22,760 | 17,890 | 16,945 | 16,410 | 16,105 | 16,775 | -26% | 16,690 |
| Fractures | 11,285 | 11,410 | 10,970 | 10,400 | 10,840 | 10,795 | -4% | 11,485 |
| Burn | 2,110 | 1,910 | 1,755 | 1,670 | 1,650 | 1,630 | -23% | 1,620 |
| Intracranial injuries | 415 | 530 | 525 | 550 | 670 | 955 | 129% | 930 |
| Injury to nerves and spinal cord | 85 | 235 | 220 | 195 | 165 | 145 | 73% | 135 |
| **Total: injury and musculoskeletal disorders** | **119,730** | **112,985** | **106,005** | **101,000** | **98,480** | **95,855** | **-20%** | **94,710** |
| **Diseases** | | | | | | | | |
| Mental health conditions | 6,615 | 8,400 | 7,785 | 7,030 | 6,790 | 6,935 | 5% | 7,165 |
| Digestive system diseases | 3,230 | 3,120 | 2,765 | 2,635 | 2,400 | 2,320 | -28% | 2,215 |
| Nervous system and sense organ diseases | 1,595 | 1,475 | 1,355 | 1,305 | 1,210 | 1,110 | -30% | 1,095 |
| Skin and subcutaneous tissue diseases | 855 | 635 | 520 | 515 | 450 | 500 | -42% | 425 |
| Infectious and parasitic diseases | 305 | 235 | 245 | 260 | 295 | 225 | -26% | 205 |
| Respiratory system diseases | 285 | 240 | 215 | 230 | 230 | 205 | -27% | 215 |
| Circulatory system diseases | 190 | 155 | 115 | 115 | 95 | 110 | -43% | 100 |
| Neoplasms (cancer) | 60 | 60 | 30 | 50 | 40 | 35 | -46% | 55 |
| **Total: diseases** | **13,310** | **14,440** | **13,125** | **12,240** | **11,600** | **11,530** | **-13%** | **11,550** |
| **Total: serious claims** | **133,040** | **127,425** | **119,130** | **113,240** | **110,080** | **107,380** | **-19%** | **106,260** |

Note: The table above only features the most common types of injury or disease, as a result numbers of serious claims do not add to the stated totals.

1. Bodily location of injury or disease

Table 27 shows that claims related to injuries to Upper limbs accounted for over one-third of all serious claims in 2015-16. Within this group, serious claims for the Shoulder have risen by 7 per cent, from 10,650 serious claims in 2000-01 to 11,430 serious claims in 2015-16.

Serious claims related to the Trunk account for a further one-quarter of all serious claims. This group of claims, however, recorded a 38 per cent decrease, from 42 590 serious claims in 2000-01 to 26 315 serious claims in 2015‑16. The major contributor to this decrease is the reduction in Back – upper or lower claims, which declined from 35 260 in 2000-01 to 21 320 in 2015-16.

Table 27: Number of serious claims by bodily location of injury or disease, 2000–01 and 2011-12 to 2016-17p

| Bodily location of injury or disease | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Upper limbs** | **43,045** | **42,950** | **40,520** | **38,695** | **38,440** | **37,610** | **-13%** | **37,535** |
| Hand, fingers and thumb | 17,625 | 15,335 | 14,565 | 13,940 | 14,290 | 14,230 | -19% | 14,585 |
| Shoulder | 10,650 | 13,680 | 12,925 | 12,445 | 11,960 | 11,430 | 7% | 11,155 |
| Wrist | 6,115 | 6,005 | 5,625 | 5,310 | 5,160 | 4,980 | -19% | 4,955 |
| Elbow | 3,110 | 3,135 | 2,970 | 2,790 | 2,780 | 2,575 | -17% | 2,660 |
| Forearm | 2,165 | 2,005 | 1,835 | 1,580 | 1,625 | 1,635 | -24% | 1,545 |
| Upper arm | 1,145 | 1,145 | 1,060 | 1,065 | 1,040 | 1,075 | -6% | 1,040 |
| **Trunk** | **42,590** | **34,665** | **31,670** | **29,485** | **27,770** | **26,315** | **-38%** | **25,215** |
| Back - upper or lower | 35,260 | 28,290 | 25,860 | 24,115 | 22,655 | 21,320 | -40% | 20,215 |
| Abdomen and pelvic region | 4,745 | 4,105 | 3,645 | 3,360 | 3,195 | 3,070 | -35% | 2,980 |
| Chest (thorax) | 2,350 | 2,035 | 1,950 | 1,775 | 1,705 | 1,680 | -29% | 1,850 |
| **Lower limbs** | **26,345** | **28,050** | **26,565** | **25,810** | **25,285** | **24,685** | **-6%** | **25,020** |
| Knee | 10,460 | 12,005 | 11,390 | 11,090 | 10,980 | 10,380 | -1% | 10,210 |
| Ankle | 5,915 | 6,210 | 5,855 | 5,635 | 5,560 | 5,455 | -8% | 5,785 |
| Foot and toes | 4,545 | 4,280 | 4,020 | 3,950 | 3,840 | 3,810 | -16% | 3,860 |
| Lower leg | 2,245 | 2,710 | 2,490 | 2,430 | 2,275 | 2,260 | 1% | 2,350 |
| Upper leg | 1,015 | 1,020 | 950 | 920 | 840 | 940 | -7% | 930 |
| Hip | 780 | 915 | 940 | 880 | 855 | 855 | 10% | 860 |
| **Non-physical locations** | **6,610** | **8,405** | **7,785** | **7,030** | **6,795** | **6,775** | **3%** | **7,165** |
| **Head** | **3,765** | **3,630** | **3,500** | **3,370** | **3,440** | **3,425** | **-9%** | **3,455** |
| Cranium | 830 | 820 | 715 | 825 | 930 | 920 | 11% | 1,125 |
| Eye | 1,155 | 975 | 940 | 855 | 865 | 845 | -27% | 760 |
| Face, not elsewhere specified | 640 | 685 | 710 | 625 | 580 | 625 | -2% | 580 |
| Nose | 230 | 225 | 195 | 205 | 225 | 220 | -5% | 215 |
| Mouth | 135 | 185 | 195 | 155 | 140 | 165 | 20% | 170 |
| Ear | 170 | 180 | 145 | 135 | 120 | 105 | -37% | 105 |
| **Multiple locations** | **6,180** | **5,835** | **5,510** | **5,420** | **5,090** | **4,935** | **-20%** | **4,655** |
| **Neck** | **3,700** | **2,880** | **2,560** | **2,440** | **2,245** | **2,075** | **-44%** | **2,115** |
| **Systemic locations** | **655** | **420** | **375** | **415** | **445** | **570** | **-13%** | **375** |
| **Total** | 133,040 | 127,425 | 119,130 | 113,240 | 110,080 | 107,380 | -19% | 106,260 |

Note: The table above doesn’t include all bodily locations, as a result numbers of serious claims do not add to the stated totals.

1. Mechanism of injury or disease

Table 28 shows that Body stressing was the most common mechanism of injury, consistently accounting for around 40 per cent of serious claims, but also recording a substantial fall in claim numbers (down by 27 per cent) between 2000-01 and 2015-16. In addition, around 60 per cent of the reduction in all serious claims was due to the reduction in Body stressing claims.

The mechanism group which recorded the largest decrease in serious claims was Biological factors (down by 45 per cent). This was followed by Chemicals and other substances (down by 43 per cent) and Vehicle incidents and other (down by 28 per cent).

Notably, the number of claims due to Being assaulted by a person or persons has almost doubled since 2000-01.

Table 28: Number of serious claims by mechanism of injury or disease, 2000–01 and 2011-12 to 2016−17p

| **Mechanism of injury or disease** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** | **2016-17p** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Body stressing** | **58,175** | **54,370** | **49,620** | **47,570** | **44,865** | **42,475** | **-27%** | **40,330** |
| Muscular stress while lifting, carrying, or putting down objects | 28,610 | 22,385 | 20,185 | 19,125 | 17,265 | 16,190 | -43% | 15,845 |
| Muscular stress while handling objects | 18,835 | 20,425 | 19,245 | 18,550 | 18,215 | 17,620 | -6% | 16,190 |
| Muscular stress with no objects being handled | 6,325 | 7,240 | 6,220 | 6,180 | 5,665 | 5,320 | -16% | 5,500 |
| **Falls, trips & slips of a person** | **26,145** | **28,285** | **26,300** | **25,240** | **24,975** | **24,615** | **-6%** | **25,070** |
| Falls on the same level | 15,555 | 18,230 | 16,520 | 16,120 | 15,890 | 15,390 | -1% | 15,795 |
| Falls from a height | 8,840 | 7,610 | 7,160 | 6,770 | 6,885 | 6,610 | -25% | 6,775 |
| **Being hit by moving objects** | **18,175** | **17,765** | **17,405** | **16,405** | **16,410** | **16,240** | **-11%** | **16,565** |
| Being hit by falling objects | 4,205 | 4,200 | 3,810 | 3,570 | 3,565 | 3,510 | -16% | 3,585 |
| Being trapped between stationary & moving objects | 2,480 | 2,500 | 2,375 | 2,345 | 2,260 | 2,100 | -15% | 2,170 |
| Being trapped by moving machinery or equipment | 2,145 | 1,420 | 1,280 | 1,055 | 920 | 970 | -55% | 1,145 |
| Being assaulted by a person or persons | 1,105 | 2,390 | 2,450 | 2,220 | 2,265 | 2,150 | 95% | 2,365 |
| **Hitting objects with a part of the body** | **10,575** | **8,530** | **7,945** | **7,770** | **7,725** | **7,805** | **-19%** | **8,070** |
| Hitting stationary objects | 5,110 | 4,435 | 4,140 | 4,055 | 3,775 | 3,625 | -29% | 3,700 |
| Hitting moving objects | 5,315 | 4,005 | 3,735 | 3,630 | 3,895 | 4,130 | -22% | 4,305 |
| **Vehicle incidents & other** | **9,430** | **7,280** | **7,575** | **6,665** | **6,780** | **6,835** | **-28%** | **6,850** |
| Vehicle accident | 2,730 | 3,165 | 2,920 | 2,565 | 2,360 | 2,560 | -6% | 2,650 |
| **Mental stress** | **6,295** | **7,745** | **7,140** | **6,560** | **6,395** | **6,530** | **4%** | **6,675** |
| **Heat, electricity & other environmental factors** | **1,955** | **1,760** | **1,620** | **1,560** | **1,530** | **1,530** | **-22%** | **1,455** |
| **Chemicals & other substances** | **1,535** | **1,130** | **1,030** | **940** | **850** | **880** | **-43%** | **800** |
| **Biological factors** | **605** | **375** | **355** | **395** | **405** | **335** | **-45%** | **335** |
| **Sound & pressure** | **150** | **185** | **140** | **135** | **145** | **135** | **-9%** | **115** |
| **Total** | 133,040 | 127,425 | 119,130 | 113,240 | 110,080 | 107,380 | -19% | 106,260 |

Note: The table above only features the most common types of mechanism, as a result numbers of serious claims do not add to the stated totals.

1. Breakdown agency of injury or disease

Table 29 shows that Non-powered hand tools, appliances and equipment consistently recorded the highest number of claims across the period. Claims fell in this group by 27 per cent between 2000-01 and 2015-16.

Serious claims across all breakdown agencies fell between 4 and 47 per cent with the exception of Materials and substances (up by 2 per cent) and Animal, human and biological agencies (up by 6 per cent). Chemicals and chemical products recorded the greatest fall (down by 47 per cent), followed by Machinery and (mainly) fixed plant (down by 45 per cent).

Table 29: Number of serious claims by breakdown agency of injury or disease, 2000–01 and 2011-12 to 2016‑17p

| Breakdown agency of injury or disease | 2000-01 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | % chg\* | 2016-17p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Non-powered hand tools, appliances and equipment | 35,670 | 32,185 | 29,150 | 27,380 | 26,875 | 26,205 | **-27%** | 25,430 |
| Environmental agencies | 18,055 | 20,845 | 19,325 | 18,175 | 17,525 | 17,340 | **-4%** | 17,910 |
| Animal, human and biological agencies | 13,960 | 17,225 | 16,880 | 16,045 | 15,310 | 14,780 | **6%** | 14,910 |
| Materials and substances | 14,830 | 16,855 | 15,895 | 15,535 | 15,905 | 15,195 | **2%** | 14,900 |
| Mobile plant and transport | 11,445 | 12,325 | 11,725 | 11,160 | 10,490 | 10,250 | **-10%** | 10,245 |
| Machinery and (mainly) fixed plant | 9,295 | 6,485 | 5,825 | 5,555 | 5,185 | 5,080 | **-45%** | 5,105 |
| Powered equipment, tools and appliances | 6,375 | 6,245 | 5,570 | 5,050 | 4,910 | 4,650 | **-27%** | 4,515 |
| Chemicals and chemical products | 1,390 | 960 | 845 | 805 | 730 | 735 | **-47%** | 700 |
| Other and unspecified agencies | 22,020 | 14,300 | 13,920 | 13,530 | 13,150 | 13,150 | **-40%** | 12,545 |
| **Total** | **133,040** | **127,425** | **119,130** | **113,240** | **110,080** | **107,380** | **-19%** | **106,260** |



Section 3:  
Time lost and compensation paid

*This chapter provides statistics on time lost from work and compensation paid. Time lost is measured in working weeks lost from work and excludes estimates of future absences. Time lost does not have to occur in consecutive days or weeks. The time lost reflects the total period of time for which compensation was paid.*

*The median is used as the measure of central tendency because a few long-term claims involving lengthy periods of time lost or high amounts of compensation would significantly skew an arithmetic mean. It is not possible to calculate the total time lost or the total compensation paid by multiplying the median by the number of claims.*

*Preliminary data (2016–17) are excluded when reporting time lost and compensation paid because claims from the preliminary year are likely to be open and claimants may accrue more time lost or more compensation payments in subsequent years.*

Between 2000–01 and 2015–16, the median time lost for a serious claim rose by 38 per cent from 4.2 working weeks to 5.8. Over the same period, the median compensation paid for a serious claim rose by 121 per cent from $5,200 to $11,500 (Table 30).

Table 30 also shows an estimate of the inflation adjusted median compensation paid. The median compensation is adjusted using the ABS Wage Price Index[[2]](#footnote-2) (WPI) to remove the effects of wage inflation and allow a more meaningful comparison with the median time lost time series. In all adjustments, the 2000–01 financial year is used as the base period for comparison. Due to the limited breakdowns provided by the WPI series, WPI adjusted median compensation paid data are only able to be provided at the overall and industry levels. For all other breakdowns in this chapter, the non-adjusted median compensation paid is presented.

Table 30: Serious claims: median time lost and compensation paid, 2000–01 to 2015–16

| **Financial year of lodgement** | **Serious claims** | **Median time lost (weeks)** | **Median compensation paid** | **Median compensation (WPI adjusted)** |
| --- | --- | --- | --- | --- |
| **2000-01** | 133,040 | 4.2 | 5,200 | 5,200 |
| **2001-02** | 130,110 | 4.3 | 5,400 | 5,300 |
| **2002-03** | 132,385 | 4.4 | 5,500 | 5,100 |
| **2003-04** | 133,265 | 4.0 | 5,100 | 4,600 |
| **2004-05** | 134,725 | 4.0 | 5,700 | 5,000 |
| **2005-06** | 130,360 | 4.3 | 5,700 | 4,800 |
| **2006-07** | 129,410 | 4.4 | 6,200 | 5,000 |
| **2007-08** | 129,490 | 4.6 | 6,800 | 5,200 |
| **2008-09** | 126,115 | 5.0 | 8,000 | 5,900 |
| **2009-10** | 124,365 | 5.0 | 8,600 | 6,200 |
| **2010-11** | 127,700 | 5.4 | 9,100 | 6,300 |
| **2011-12** | 127,425 | 5.6 | 9,100 | 6,100 |
| **2012-13** | 119,130 | 5.6 | 9,400 | 6,100 |
| **2013-14** | 113,240 | 5.8 | 10,000 | 6,300 |
| **2014-15** | 110,080 | 5.8 | 10,900 | 6,700 |
| **2015-16** | 107,380 | 5.8 | 11,500 | 6,900 |

Figure 5 shows the original and WPI adjusted median compensation payment from 2000–01 to 2015–16.

Figure 6 shows the comparison between median time lost and the WPI adjusted median compensation paid series between 2000–01 and 2015–16, and indicates that median compensation paid has broadly moved in line with median time lost in real terms. In recent years, the WPI adjusted compensation paid has continued to increase while the median time lost has levelled out.

Figure 5: Original and inflation adjusted median compensation paid, 2000–01 to 2015–16

Figure 6: Median time lost and inflation adjusted median compensation paid, 2000–01 to 2015–16

1. Age group

Figure 7 shows that median time lost increases with age and that all age groups have recorded an increase in median time lost between 2003–04 and 2015–16.

Figure 7: Serious claims: median time lost by age group, 2003–04 to 2015–16

Similar to median time lost, Figure 8 shows that median compensation paid generally increases with age, however, it levels out for workers aged over 50 years and then falls slightly for those aged 65 years and over.

Figure 8: Serious claims: median compensation paid by age group, 2003–04 to 2015–16

1. Gender

In 2015–16, the median time lost for a serious claim was 5.6 working weeks for male employees and 6.0 working weeks for female employees. The median compensation paid for a serious claim was $12,200 for male employees and $10,100 for female employees.

Table 31 shows that the male median compensation has increased by 144 per cent from $5,000 in 2000-01 to $12,200 in 2015-16. The female median compensation paid increased by 80 per cent from $5,600 in 2000-01 to $10,100 in 2015‑16. From 2007-08 onward, median payments for female employees were lower than the median payments for male employees. This is most likely due to lower wages earned by female employees, which is partly offset by the longer time lost associated with claims made by females.

Table 31: Serious claims: median time lost and compensation paid by gender, 2000–01 to 2015–16

| **Financial year** | **Median time lost (working weeks)** | | **Median compensation ($)** | |
| --- | --- | --- | --- | --- |
|  | **Male** | **Female** | **Male** | **Female** |
| 2000-01 | 4.0 | 4.7 | $5,000 | $5,600 |
| 2001-02 | 4.0 | 5.0 | $5,200 | $6,000 |
| 2002-03 | 4.1 | 5.0 | $5,300 | $6,000 |
| 2003-04 | 4.0 | 4.7 | $4,900 | $5,400 |
| 2004-05 | 4.0 | 4.5 | $5,600 | $5,900 |
| 2005-06 | 4.0 | 5.0 | $5,600 | $5,900 |
| 2006-07 | 4.2 | 5.0 | $6,200 | $6,200 |
| 2007-08 | 4.4 | 5.3 | $6,800 | $6,700 |
| 2008-09 | 4.8 | 5.6 | $8,200 | $7,500 |
| 2009-10 | 4.8 | 5.6 | $8,700 | $8,300 |
| 2010-11 | 5.0 | 6.0 | $9,200 | $8,800 |
| 2011-12 | 5.4 | 6.2 | $9,400 | $8,600 |
| 2012-13 | 5.3 | 6.1 | $9,800 | $8,600 |
| 2013-14 | 5.6 | 6.1 | $10,700 | $8,800 |
| 2014-15 | 5.6 | 6.1 | $11,600 | $9,500 |
| 2015-16 | 5.6 | 6.0 | $12,200 | $10,100 |

1. Industry

Table 32 shows that median time lost increased in all 19 industries. The greatest increase was recorded by the Electricity, gas, water and waste services industry, which rose by almost 100 per cent, from 3.4 working weeks in 2000-01 to 6.8 working weeks in 2015-16.The smallest increase was recorded in Education and training industry, which increased by 10 per cent, from 4.0 working weeks in 2000-01 to 4.4 working weeks in 2015-16.

Table 32: Serious claims: median time lost (weeks) by industry, 2000–01 and 2011–12 to 2015–16

| **Industry** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** |  | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Health care and social assistance** | 4.4 | 5.0 | 5.2 | 5.4 | 5.6 |  | 5.4 | 23% |
| **Construction** | 5.0 | 6.4 | 6.8 | 6.6 | 6.8 |  | 6.6 | 32% |
| **Manufacturing** | 4.0 | 5.2 | 5.2 | 5.4 | 5.2 |  | 5.0 | 25% |
| **Retail trade** | 3.4 | 6.2 | 6.2 | 6.0 | 5.8 |  | 5.9 | 73% |
| **Transport, postal and warehousing** | 4.0 | 6.0 | 6.1 | 6.6 | 6.6 |  | 7.0 | 73% |
| **Road transport** | 5.2 | 6.6 | 6.8 | 7.4 | 8.0 |  | 8.2 | 57% |
| **Public administration and safety** | 4.0 | 5.7 | 5.4 | 5.8 | 6.4 |  | 5.8 | 46% |
| **Education and training** | 4.0 | 4.8 | 4.6 | 4.4 | 4.6 |  | 4.4 | 10% |
| **Accommodation and food services** | 3.8 | 4.2 | 4.2 | 4.1 | 4.2 |  | 4.4 | 17% |
| **Administrative and support services** | 4.4 | 5.4 | 5.0 | 5.4 | 5.8 |  | 6.0 | 36% |
| **Wholesale trade** | 4.1 | 5.6 | 5.4 | 5.6 | 5.6 |  | 5.6 | 36% |
| **Agriculture, forestry and fishing** | 4.8 | 6.2 | 5.7 | 5.8 | 6.0 |  | 5.6 | 17% |
| **Agriculture** | 5.0 | 6.4 | 5.7 | 6.0 | 6.0 |  | 5.6 | 13% |
| **Other services** | 4.6 | 5.6 | 5.2 | 5.4 | 6.0 |  | 6.0 | 30% |
| **Arts and recreation services** | 4.6 | 6.6 | 6.8 | 5.4 | 6.0 |  | 6.0 | 30% |
| **Mining** | 5.1 | 7.3 | 7.9 | 8.1 | 8.3 |  | 8.0 | 55% |
| **Professional, scientific and technical services** | 4.6 | 7.0 | 6.8 | 7.1 | 5.9 |  | 5.6 | 22% |
| **Electricity, gas, water and waste services** | 3.4 | 5.6 | 5.6 | 5.4 | 5.9 |  | 6.8 | 99% |
| **Rental, hiring and real estate services** | 4.4 | 6.6 | 6.4 | 5.8 | 5.4 |  | 6.5 | 48% |
| **Information media and telecommunications** | 4.0 | 6.0 | 6.2 | 4.9 | 5.0 |  | 5.8 | 45% |
| **Financial and insurance services** | 4.8 | 7.0 | 6.6 | 6.3 | 6.7 |  | 6.6 | 38% |
| **Total** | **4.2** | **5.6** | **5.6** | **5.8** | **5.8** |  | **5.8** | **38%** |

Table 33 shows that median payments also increased in all 19 industries. The smallest rise was recorded by the Accommodation and food services industry (up by 72 per cent), followed by Healthcare and social assistance (up by 78 per cent). The Accommodation and food services industry has consistently recorded the lowest median payments for serious claims including 2015-16 which was $5,800 compared to the median for all industries of $11,500.

The highest percentage increases in median payments were recorded by the Electricity, gas, water and waste services industry (up by 217 per cent) and Transport, postal and warehousing industries (up by 180 per cent). Increases in payments reflect increases in wages and salaries and the cost of medical treatment.

Table 33: Serious claims: median compensation paid by industry, 2000–01 and 2011–12 to 2015–16

| **Industry** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Health care and social assistance** | $4,800 | $7,400 | $7,100 | $7,300 | $8,200 | $8,600 | 78% |
| **Construction** | $6,200 | $11,100 | $12,300 | $13,100 | $14,400 | $14,800 | 140% |
| **Manufacturing** | $5,400 | $8,900 | $9,400 | $10,500 | $11,600 | $12,200 | 125% |
| **Retail trade** | $4,100 | $7,700 | $8,000 | $8,600 | $9,300 | $9,900 | 143% |
| **Transport, postal and warehousing** | $5,100 | $10, 500 | $11,100 | $12,500 | $13,300 | $14,300 | 180% |
| **Road transport** | $5,600 | $9,300 | $9,800 | $11,800 | $13,400 | $14,700 | 164% |
| **Public administration and safety** | $6,400 | $13,500 | $11,600 | $12,600 | $13,600 | $14,200 | 123% |
| **Education and training** | $5,900 | $10,100 | $9,900 | $9,900 | $11,200 | $11,000 | 87% |
| **Accommodation and food services** | $3,400 | $4,700 | $5,200 | $5,200 | $5,100 | $5,800 | 72% |
| **Administrative and support services** | $4,100 | $6,400 | $6,200 | $6,600 | $8,600 | $9,300 | 126% |
| **Wholesale trade** | $5,500 | $9,200 | $9,700 | $10,800 | $11,300 | $12,300 | 123% |
| **Agriculture, forestry and fishing** | $4,000 | $8,000 | $7,600 | $9,000 | $9,100 | $9,600 | 135% |
| **Agriculture** | $4,000 | $7,800 | $7,500 | $9,100 | $8,900 | $9,500 | 138% |
| **Other services** | $5,300 | $9,200 | $9,400 | $9,700 | $10,600 | $12,900 | 146% |
| **Arts and recreation services** | $4,600 | $7,700 | $10,100 | $8,500 | $9,100 | $10,100 | 121% |
| **Mining** | $11,900 | $20,300 | $22,400 | $23,700 | $26,200 | $26,900 | 126% |
| **Professional, scientific and technical services** | $6,600 | $12,600 | $13,200 | $14,700 | $13,300 | $14,600 | 121% |
| **Electricity, gas, water and waste services** | $5,000 | $12,800 | $12,300 | $12,500 | $13,800 | $15,800 | 217% |
| **Rental, hiring and real estate services** | $5,600 | $9,800 | $11,500 | $10,800 | $12,000 | $12,300 | 118% |
| **Information media and telecommunications** | $6,300 | $13,000 | $14,800 | $12,200 | $13,100 | $16,100 | 158% |
| **Financial and insurance services** | $7,400 | $14,800 | $12,800 | $14,200 | $18,400 | $17,100 | 130% |
| **Total** | **$5,200** | **$9,100** | **$9,400** | **$10,000** | **$10,900** | **$11,500** | **122%** |

Table 34 shows the WPI adjusted median compensation paid by industry division for 2000–01 and 2011–12 to 2015‑16. In real terms (adjusted for wage inflation), industries record a smaller increase in median compensation paid over the 16 year period. The smallest percentage increases in median payments from 2000-01 to 2015-16 were in the Health care and social assistance (up by 5 per cent) and the Education and training (up by 7 per cent) industries. Electricity, gas, water and waste service industries recorded the largest increase in WPI adjusted median compensation paid, increasing by 76 per cent between 2000–01 and 2015–16.

Other industries, such as Retail trade, Transport, postal and warehousing and Information media and telecommunications all showed an increase of over 50 per cent in WPI adjusted compensation paid over the period. The Mining industry had the highest level of WPI adjusted median compensation paid in 2015‑16 at $15,000.

Table 34: Serious claims: WPI adjusted median compensation paid by industry, 2000–01 and 2011–12 to 2015–16

| **Industry** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Health care and social assistance** | $4,800 | $4,900 | $4,500 | $4,500 | $4,900 | $5,100 | 5% |
| **Construction** | $6,200 | $7,100 | $7,600 | $7,900 | $8,400 | $8,600 | 39% |
| **Manufacturing** | $5,400 | $6,000 | $6,100 | $6,700 | $7,200 | $7,400 | 36% |
| **Retail trade** | $4,100 | $5,400 | $5,500 | $5,700 | $6,100 | $6,300 | 56% |
| **Transport, postal and warehousing** | $5,100 | $7,100 | $7,300 | $8,000 | $8,300 | $8,800 | 72% |
| **Public administration and safety** | $6,400 | $8,800 | $7,400 | $7,800 | $8,200 | $8,300 | 31% |
| **Education and training** | $5,900 | $6,400 | $6,100 | $6,000 | $6,500 | $6,300 | 7% |
| **Accommodation and food services** | $3,400 | $3,400 | $3,700 | $3,600 | $3,400 | $3,800 | 14% |
| **Administrative and support services** | $4,100 | $4,400 | $4,200 | $4,300 | $5,500 | $5,900 | 43% |
| **Wholesale trade** | $5,500 | $6,300 | $6,400 | $6,900 | $7,200 | $7,600 | 38% |
| **Agriculture, forestry and fishing** | $4,000 | $5,300 | $4,900 | $5,700 | $5,600 | $5,800 | 44% |
| **Other services** | $5,300 | $6,400 | $6,300 | $6,400 | $6,900 | $8,100 | 55% |
| **Arts and recreation services** | $4,600 | $5,300 | $6,700 | $5,500 | $5,700 | $6,200 | 36% |
| **Mining** | $11,900 | $12,600 | $13,300 | $13,700 | $14,800 | $15,000 | 26% |
| **Professional, scientific and technical services** | $6,600 | $8,200 | $8,300 | $9,100 | $8,100 | $8,800 | 32% |
| **Electricity, gas, water and waste services** | $5,000 | $8,000 | $7,400 | $7,300 | $7,900 | $8,800 | 76% |
| **Rental, hiring and real estate services** | $5,600 | $6,600 | $7,600 | $6,900 | $7,500 | $7,600 | 34% |
| **Information media and telecommunications** | $6,300 | $9,100 | $10,000 | $8,000 | $8,500 | $10,200 | 62% |
| **Financial and insurance services** | $7,400 | $9,800 | $8,200 | $8,900 | $11,200 | $10,200 | 37% |
| **Total** | $5,200 | $6,100 | $6,100 | $6,300 | $6,700 | $6,900 | 34% |

1. Occupation

Table 35 shows that median time lost for serious workers’ compensation claims rose in the eight major occupation groups between 2000-01 and 2015-16. Sales workers recorded the largest increase in median time lost from work (up by 114 per cent). Sales workers also had the highest median time lost of 7.3 working weeks in 2015-16. The lowest median time lost in the eight major occupation groups was recorded by Technicians and trades workers at 5.2 working weeks in 2015-16.

Table 35: Serious claims: median time (weeks) lost by occupation, 2000–01 and 2011−12 to 2015–16

| **Occupation** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Labourers** | 4.2 | 5.6 | 5.4 | 5.6 | 5.4 | 5.4 | **31%** |
| **Technicians and trades workers** | 4.0 | 5.0 | 5.0 | 5.2 | 5.2 | 5.2 | **30%** |
| **Community and personal service workers** | 4.0 | 5.0 | 5.0 | 5.4 | 5.6 | 5.5 | **38%** |
| **Machinery operators and drivers** | 4.4 | 6.0 | 6.2 | 6.4 | 6.4 | 6.4 | **46%** |
| **Professionals** | 4.6 | 5.8 | 5.7 | 5.4 | 5.4 | 5.4 | **18%** |
| **Sales workers** | 3.4 | 6.6 | 6.8 | 7.2 | 7.0 | 7.3 | **114%** |
| **Managers** | 5.0 | 7.0 | 7.0 | 6.5 | 6.6 | 6.6 | **32%** |
| **Clerical and administrative workers** | 4.8 | 6.6 | 6.9 | 7.0 | 6.9 | 6.6 | **38%** |
| **Total serious claims** | **4.2** | **5.6** | **5.6** | **5.8** | **5.8** | **5.8** | **38%** |

Table 36 shows that median payments have increased in all eight major occupation groups from 2000-01 to 2015-16. Sales workers recorded the largest increase, rising by 145 per cent from $4,100 in 2000-01 to $10,000 in 2015-16. Professionals recorded the smallest increase in median payments over the period, increasing by 88 per cent, from $6,800 in 2000-01 to $12,800 in 2015-16.

Table 36: Serious claims: median compensation paid by occupation, 2000–01 and 2011−12 to 2015–16

| **Occupation** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Labourers** | $4,400 | $8,000 | $8,100 | $8,900 | $9,600 | $10,400 | **137%** |
| **Technicians and trades workers** | $5,000 | $8,800 | $9,600 | $10,200 | $11,100 | $11,800 | **134%** |
| **Community and personal service workers** | $4,600 | $7,500 | $7,200 | $7,700 | $8,200 | $8,800 | **91%** |
| **Machinery operators and drivers** | $5,800 | $10,200 | $11,100 | $12,200 | $13,300 | $14,200 | **143%** |
| **Professionals** | $6,800 | $11,800 | $11,300 | $11,000 | $12,400 | $12,800 | **88%** |
| **Sales workers** | $4,100 | $7,900 | $8,100 | $8,700 | $9,900 | $10,000 | **145%** |
| **Managers** | $7,400 | $13,000 | $13,400 | $13,700 | $15,100 | $15,600 | **110%** |
| **Clerical and administrative workers** | $7,100 | $12,500 | $12,900 | $13,500 | $14,800 | $14,500 | **104%** |
| **Total serious claims** | **$5,200** | **$9,100** | **$9,400** | **$10,000** | **$10,900** | **$11,500** | **122%** |

1. Nature of injury and disease

Table 37 shows that the median time lost for Injury and musculoskeletal disorder claims was 4.0 working weeks in 2000-01 and has risen to 5.3 working weeks in 2015-16. Median time lost for claims involving Diseases has gradually increased from 6.8 working weeks in 2000-01 to 9.9 working weeks in 2015-16, increasing by 45 per cent over the period.

Among claims involving injuries, Injuries to nerves and spinal cord resulted in the longest time lost from work in 2000‑01 of 26.2 weeks, but has dropped significantly to 9 working weeks in 2015-16, a decrease of 66 per cent. Conversely, there has been an increase in the median time lost for Intracranial injury claims from 2.6 working weeks in 2000-01 to 4.4 working weeks in 2015-16, an increase of 69 per cent. Generally, from 2000-01 to 2015-16, the median time lost for injury and musculoskeletal disorders has increased by 35 per cent.

Among claims involving disease, Mental health conditions recorded the largest increase in time lost, rising from 11.2 working weeks in 2000-01 to 17 weeks in 2015-16. Serious claims involving Circulatory system diseases (down by 42 per cent), Neoplasms (cancer) (down by 7 per cent) and Digestive system diseases (down by 3 per cent) all recorded decreases in median time lost. Overall, the median time lost for disease claims has increased by 45 per cent over the 16 year period.

Table 37: Serious claims: median time lost (weeks) by nature of injury or disease, 2000–01 and 2011–12 to 2015–16

| **Nature of injury/disease** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Injury and musculoskeletal disorders** | | | | | | | |
| **Traumatic joint/ligament & muscle/tendon injury** | 4.1 | 5.0 | 5.0 | 5.2 | 5.1 | 5.2 | 27% |
| **Wounds, lacerations, amputations & internal organ damage** | 2.4 | 2.9 | 2.8 | 2.8 | 3.0 | 3.0 | 25% |
| **Musculoskeletal & connective tissue diseases** | 8.4 | 10.0 | 9.8 | 9.6 | 9.8 | 9.7 | 15% |
| **Fractures** | 6.8 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 18% |
| **Other injuries** | 2.4 | 3.7 | 4.0 | 4.1 | 4.0 | 3.8 | 56% |
| **Burn** | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 2.2 | 12% |
| **Intracranial injuries** | 2.6 | 4.3 | 4.0 | 5.6 | 3.8 | 4.4 | 69% |
| **Injury to nerves & spinal cord** | 26.2 | 10.1 | 10.1 | 9.1 | 12.8 | 9.0 | -66% |
| **Other claims** | 3.8 | 4.0 | 4.6 | 4.4 | 4.0 | 4.8 | 26% |
| **Total: injury and musculoskeletal disorders** | **4.0** | **5.2** | **5.2** | **5.4** | **5.4** | **5.3** | **35%** |
| **Diseases** | | | | | | | |
| **Mental health conditions** | 11.2 | 15.4 | 15.4 | 16.0 | 16.7 | 17.0 | 52% |
| **Digestive system diseases** | 5.8 | 5.6 | 5.6 | 6.0 | 5.8 | 5.6 | -3% |
| **Nervous system and sense organ diseases** | 8.1 | 8.4 | 8.8 | 9.0 | 9.0 | 9.0 | 12% |
| **Skin and subcutaneous tissue diseases** | 2.3 | 2.8 | 3.2 | 2.5 | 2.8 | 2.8 | 22% |
| **Respiratory system diseases** | 4.6 | 5.0 | 4.8 | 4.0 | 5.0 | 4.8 | 4% |
| **Infectious and parasitic diseases** | 2.0 | 3.0 | 2.6 | 2.6 | 2.3 | 2.7 | 34% |
| **Circulatory system diseases** | 15.0 | 10.6 | 8.7 | 6.6 | 5.9 | 8.6 | -42% |
| **Neoplasms (cancer)** | 3.9 | 3.8 | 4.4 | 6.2 | 2.9 | 3.6 | -7% |
| **Other diseases** | 5.7 | 4.3 | 6.4 | 3.4 | 4.0 | 5.2 | -10% |
| **Total: diseases** | **6.8** | **8.8** | **9.2** | **9.0** | **9.6** | **9.9** | **45%** |
| **Total: serious claims** | **4.2** | **5.6** | **5.6** | **5.8** | **5.8** | **5.8** | **38%** |

Table 38 shows that the highest median compensation paid for an Injury and musculoskeletal disorder claim was associated with Injury to nerves and spinal cord at $60,100 in 2000-01. This has fallen by 67 per cent since 2000-01 but, remains the most highly compensated payment by nature at $19,700 in 2015-16.

The highest increase of median compensation paid for a disease claim was associated with Infectious and parasitic diseases, which rose by 265 per cent, from $1,500 in 2000-01 to $5,700 in 2015-16. This was followed by Skin and subcutaneous tissue diseases, rising by 179 per cent from $2,300 in 2000-01 to $6,500 in 2015-16. Mental health conditions continue to record the highest compensation paid, at $27,700 in 2015-16.

Table 38: Serious claims: median compensation paid by nature of injury or disease, 2000–01 and 2011–12 to 2015–16

| **Nature of injury/disease** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Injury and musculoskeletal disorders** | | | | | | | |
| **Traumatic joint/ligament & muscle/tendon injury** | $5,300 | $8,200 | $8,300 | $9,100 | $9,800 | $10,600 | 99% |
| **Wounds, lacerations, amputations & internal organ damage** | $2,700 | $5,200 | $5,400 | $5,900 | $6,700 | $7,200 | 168% |
| **Musculoskeletal & connective tissue diseases** | $11,200 | $14,400 | $13,900 | $14,100 | $15,000 | $15,400 | 37% |
| **Fractures** | $6,400 | $11,400 | $11,900 | $12,600 | $13,700 | $14,600 | 129% |
| **Other injuries** | $3,000 | $6,400 | $7,400 | $7,800 | $8,200 | $8,000 | 171% |
| **Burn** | $1,400 | $2,200 | $2,300 | $2,500 | $2,500 | $3,200 | 129% |
| **Intracranial injuries** | $3,100 | $7,400 | $6,800 | $10,300 | $7,500 | $10,500 | 242% |
| **Injury to nerves & spinal cord** | $60,100 | $17,200 | $17,300 | $15,700 | $30,100 | $19,700 | -67% |
| **Other claims** | $4,700 | $5,700 | $8,500 | $6,900 | $6,100 | $9,200 | 94% |
| **Total: injury and musculoskeletal disorders** | **$4,700** | **$8,400** | **$8,600** | **$9,200** | **$10,000** | **$10,700** | **125%** |
| **Diseases** | | | | | | | |
| **Mental health conditions** | $14,300 | $22,600 | $23,300 | $25,100 | $28,100 | $27,700 | 94% |
| **Digestive system diseases** | $6,800 | $11,000 | $11,600 | $12,300 | $13,000 | $13,400 | 96% |
| **Nervous system & sense organ diseases** | $8,700 | $13,700 | $14,000 | $14,500 | $16,100 | $17,000 | 96% |
| **Skin & subcutaneous tissue diseases** | $2,300 | $3,500 | $3,800 | $4,400 | $4,600 | $6,500 | 179% |
| **Respiratory system diseases** | $7,100 | $7,400 | $7,900 | $8,700 | $12,600 | $12,300 | 72% |
| **Infectious & parasitic diseases** | $1,500 | $4,900 | $4,000 | $3,900 | $4,000 | $5,700 | 265% |
| **Circulatory system diseases** | $15,300 | $13,500 | $16,400 | $19,000 | $11,700 | $16,900 | 11% |
| **Neoplasms (cancer)** | $8,700 | $10,300 | $13,100 | $20,100 | $13,600 | $17,000 | 97% |
| **Other diseases** | $6,000 | $10,400 | $10,300 | $8,600 | $8,000 | $9,200 | 52% |
| **Total: diseases** | **$8,200** | **$14,000** | **$14,800** | **$15,500** | **$17,200** | **$17,700** | **117%** |
| **Total: serious claims** | **$5,200** | **$9,100** | **$9,400** | **$10,000** | **$10,900** | **$11,500** | **122%** |

1. Mechanism of injury or disease

Table 39 shows that between 2000-01 and 2015-16, median time lost increased for all mechanism categories except for Chemicals and other substances (down by 8 per cent) and Sound and pressure (remained unchanged). The largest increase was for Mental stress, which increased by almost six working weeks from 11.4 working weeks in 2000-01 to 17.6 working weeks in 2015-16. Mental stress claims also consistently had the longest median time lost from work, almost three times the overall median time lost of 5.8 working weeks in 2015-16.

Table 39: Serious claims: median time lost by mechanism of injury or disease, 2000−01 and 2011–12 to 2015–16

| **Mechanism of injury or disease** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Body stressing** | **4.6** | **6.1** | **6.2** | **6.3** | **6.3** | **6.2** | **35%** |
| *Muscular stress while lifting, carrying, or putting down objects* | *4.3* | *6.0* | *6.0* | *6.2* | *6.0* | *6.0* | ***40%*** |
| *Muscular stress while handling objects* | *4.6* | *6.0* | *6.2* | *6.4* | *6.4* | *6.3* | ***36%*** |
| *Muscular stress with no objects being handled* | *4.0* | *5.2* | *5.0* | *5.0* | *5.2* | *5.2* | ***30%*** |
| **Falls, trips & slips of a person** | **4.6** | **6.1** | **6.2** | **6.2** | **6.4** | **6.4** | **40%** |
| *Falls on the same level* | *4.2* | *5.7* | *5.8* | *6.0* | *6.0* | *6.1* | ***46%*** |
| *Falls from a height* | *5.6* | *7.4* | *7.6* | *7.2* | *7.5* | *7.6* | ***36%*** |
| **Being hit by moving objects** | **3.2** | **4.2** | **4.0** | **4.0** | **4.0** | **4.0** | **23%** |
| *Being hit by falling objects* | *3.2* | *4.4* | *4.0* | *4.4* | *4.3* | *4.0* | ***26%*** |
| *Being trapped between stationary & moving objects* | *3.1* | *4.0* | *4.2* | *3.8* | *4.2* | *4.0* | ***29%*** |
| *Being trapped by moving machinery or equipment* | *4.4* | *4.6* | *4.6* | *4.8* | *5.2* | *4.7* | ***7%*** |
| *Being assaulted by a person or persons* | *4.2* | *5.0* | *4.6* | *4.8* | *4.7* | *5.2* | ***24%*** |
| **Hitting objects with a part of the body** | **2.4** | **2.9** | **3.0** | **2.8** | **3.0** | **3.0** | **25%** |
| *Hitting stationary objects* | *2.6* | *3.0* | *3.0* | *3.0* | *3.2* | *3.2* | ***25%*** |
| *Hitting moving objects* | *2.4* | *2.8* | *2.8* | *2.8* | *2.6* | *2.8* | ***17%*** |
| **Vehicle incidents & other** | **5.2** | **6.2** | **6.0** | **6.7** | **6.4** | **6.2** | **19%** |
| *Vehicle accident* | *6.0* | *6.6* | *6.2* | *7.9* | *7.2* | *7.2* | ***20%*** |
| **Mental stress** | **11.4** | **16.8** | **17.0** | **16.9** | **17.2** | **17.6** | **54%** |
| **Heat, electricity & other environmental factors** | **2.0** | **2.0** | **2.0** | **2.1** | **2.2** | **2.2** | **10%** |
| **Chemicals & other substances** | **2.2** | **2.2** | **2.2** | **2.2** | **2.3** | **2.0** | **-8%** |
| **Biological factors** | **2.0** | **2.5** | **2.6** | **2.2** | **2.0** | **3.0** | **51%** |
| **Sound & pressure** | **4.0** | **4.0** | **5.4** | **5.8** | **5.2** | **4.0** | **0%** |
| **Total** | **4.2** | **5.6** | **5.6** | **5.8** | **5.8** | **5.8** | **38%** |

Table 40 shows that the high median time lost for Mental stress claims also resulted in with the highest median compensation paid at $28,400 in 2015-16, which is more than double the median pay for all serious claims of $11,500. The largest increases in median payment occurred for claims due to Biological factors, up by 188 per cent from $2,000 in 2000-01 to $5,800 in 2015-16. This was followed by Hitting objects with a part of the body which rose by 165 per cent, from $2,600 in 2000-01 to $6,800 in 2015-16.

Table 40: Serious claims: median time lost and compensation paid by mechanism of injury or disease, 2000−01 and 2011–12 to 2015–16

| **Mechanism of injury or disease** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Body stressing** | **$5,900** | **$9,900** | **$10,100** | **$10,700** | **$11,700** | **$12,200** | **107%** |
| *Muscular stress while lifting, carrying, or putting down objects* | *$5,400* | *$9,300* | *$9,400* | *$10,300* | *$11,100* | *$11,700* | ***115%*** |
| *Muscular stress while handling objects* | *$5,600* | *$9,800* | *$10,400* | *$10,800* | *$11,800* | *$12,400* | ***119%*** |
| *Muscular stress with no objects being handled* | *$6,000* | *$9,300* | *$8,900* | *$9,000* | *$10,300* | *$11,200* | ***88%*** |
| **Falls, trips & slips of a person** | **$5,500** | **$9,700** | **$10,200** | **$10,700** | **$11,800** | **$12,500** | **127%** |
| *Falls on the same level* | *$4,900* | *$8,800* | *$9,300* | *$9,800* | *$10,900* | *$11,800* | ***141%*** |
| *Falls from a height* | *$6,800* | *$12,000* | *$12,600* | *$13,100* | *$14,100* | *$15,300* | ***126%*** |
| **Being hit by moving objects** | **$4,000** | **$6,900** | **$7,100** | **$7,800** | **$8,600** | **$9,200** | **130%** |
| *Being hit by falling objects* | *$3,400* | *$6,200* | *$6,200* | *$6,900* | *$7,900* | *$8,200* | ***139%*** |
| *Being trapped between stationary & moving objects* | *$3,700* | *$7,100* | *$7,300* | *$8,000* | *$8,700* | *$9,500* | ***158%*** |
| *Being trapped by moving machinery or equipment* | *$6,300* | *$8,800* | *$9,000* | *$10,300* | *$13,200* | *$12,700* | ***102%*** |
| *Being assaulted by a person or persons* | *$6,000* | *$8,400* | *$7,700* | *$8,100* | *$8,700* | *$9,900* | ***65%*** |
| **Hitting objects with a part of the body** | **$2,600** | **$4,800** | **$5,400** | **$5,700** | **$6,100** | **$6,800** | **165%** |
| *Hitting stationary objects* | *$3,000* | *$5,200* | *$5,400* | *$6,000* | *$6,700* | *$7,000* | ***135%*** |
| *Hitting moving objects* | *$2,300* | *$4,300* | *$5,400* | *$5,300* | *$5,500* | *$6,800* | ***199%*** |
| **Vehicle incidents & other** | **$5,700** | **$10,400** | **$10,600** | **$11,500** | **$11,700** | **$12,200** | **113%** |
| *Vehicle accident* | *$7,200* | *$11,900* | *$11,300* | *$13,700* | *$13,200* | *$13,800* | ***91%*** |
| **Mental stress** | **$14,500** | **$23,700** | **$23,900** | **$25,800** | **$28,700** | **$28,400** | **97%** |
| **Heat, electricity & other environmental factors** | **$1,500** | **$2,400** | **$2,400** | **$2,800** | **$2,700** | **$3,300** | **127%** |
| **Chemicals & other substances** | **$2,300** | **$3,200** | **$2,900** | **$3,800** | **$3,700** | **$3,900** | **75%** |
| **Biological factors** | **$2,000** | **$4,100** | **$4,000** | **$4,100** | **$3,900** | **$5,800** | **188%** |
| **Sound & pressure** | **$5,300** | **$10,400** | **$9,600** | **$12,500** | **$11,900** | **$11,100** | **108%** |
| **Total** | **$5,200** | **$9,100** | **$9,400** | **$10,000** | **$10,900** | **$11,500** | **122%** |

1. Breakdown agency of injury or disease

Between 2000-01 and 2015-16, all major breakdown agencies recorded an increase in the median time lost. Table 41 shows that the smallest increase in median time lost was recorded for incidents involving Chemicals and chemical products, from 2.6 working weeks in 2000-01 to 2.8 working weeks in 2015-16 (up by 8 per cent). Chemicals and chemical products consistently recorded the lowest time lost over the period. Environmental agencies recorded the largest percentage increase in median time lost, increasing by 50 per cent over the period.

Table 41: Serious claims: median time lost by breakdown agency of injury or disease, 2000–01 and 2011–12 to 2015–16

| **Breakdown agency of injury or disease** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Non-powered handtools, appliances and equipment** | 3.6 | 5.0 | 5.0 | 5.2 | 5.0 | 5.0 | **39%** |
| **Environmental agencies** | 4.0 | 5.6 | 5.8 | 5.8 | 6.0 | 6.0 | **50%** |
| **Animal, human and biological agencies** | 4.6 | 6.2 | 6.1 | 6.2 | 6.2 | 6.4 | **40%** |
| **Materials and substances** | 3.8 | 5.0 | 4.8 | 4.9 | 5.0 | 4.8 | **28%** |
| **Mobile plant and transport** | 4.5 | 6.2 | 6.2 | 6.6 | 6.6 | 6.4 | **41%** |
| **Machinery and (mainly) fixed plant** | 4.0 | 4.8 | 5.0 | 4.8 | 5.0 | 5.0 | **25%** |
| **Powered equipment, tools and appliances** | 4.2 | 5.0 | 5.0 | 5.2 | 5.0 | 5.2 | **24%** |
| **Chemicals and chemical products** | 2.6 | 3.0 | 3.4 | 3.0 | 3.0 | 2.8 | **8%** |
| **Other and unspecified agencies** | 5.8 | 7.4 | 7.1 | 7.4 | 7.7 | 7.6 | **32%** |
| **Total serious claims** | **4.2** | **5.6** | **5.6** | **5.8** | **5.8** | **5.8** | **38%** |

Table 42 shows that between 2000-01 and 2015-16 all major breakdown agencies recorded an increase in the median compensation paid. The smallest increase in median compensation paid occurred for claims due to Powered equipment, tools and appliances, increasing from $5,800 in 2000-01 to $11,400 in 2015-16.

Table 42: Serious claims: median compensation paid by breakdown agency of injury or disease, 2000–01 and 2011-12 to 2015–16

| **Breakdown agency of injury or disease** | **2000-01** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **% chg** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Non-powered handtools, appliances and equipment** | $4,400 | $8,000 | $8,300 | $8,900 | $9,600 | $10,200 | **130%** |
| **Environmental agencies** | $5,000 | $9,200 | $9,800 | $10,200 | $11,400 | $12,100 | **144%** |
| **Animal, human and biological agencies** | $5,100 | $9,400 | $9,300 | $9,400 | $10,300 | $10,900 | **112%** |
| **Materials and substances** | $4,400 | $8,500 | $8,800 | $9,800 | $10,100 | $10,600 | **143%** |
| **Mobile plant and transport** | $5,800 | $10,400 | $10,600 | $11,600 | $12,400 | $13,000 | **127%** |
| **Machinery and (mainly) fixed plant** | $5,200 | $8,800 | $9,300 | $10,000 | $11,600 | $12,200 | **135%** |
| **Powered equipment, tools and appliances** | $5,800 | $9,200 | $9,200 | $9,700 | $10,700 | $11,400 | **98%** |
| **Chemicals and chemical products** | $3,100 | $4,700 | $5,100 | $5,400 | $4,900 | $6,300 | **104%** |
| **Other and unspecified agencies** | $7,100 | $11,700 | $11,500 | $12,000 | $13,400 | $14,300 | **102%** |
| **Total serious claims** | **$5,200** | **$9,100** | **$9,400** | **$10,000** | **$10,900** | **$11,500** | **122%** |

**Glossary**

## Age

The age of the employee at the time of injury or the date when the disease was first reported to their employer.

## Bodily location of injury or disease

The part of the body most seriously affected by the most serious injury or disease experienced by the employee.

## Breakdown agency of injury or disease

The object, substance or circumstance that was principally involved in, or most closely associated with, the point at which things started to go wrong and which ultimately led to the most serious injury or disease.

## 

## Compensation paid

Payments include compensation paid to claimants for: benefits paid to an employee or the employee’s surviving dependents; outlays for goods and services such as medical treatment and funeral expenses; rehabilitation services; non-compensation payments such as legal costs, transport and interpreter services; and common law settlements, which may incorporate estimates of future liability and indirect costs such as loss of productivity.

## 

## Disease

A condition resulting from repeated or long term exposure to an agent or event. This is consistent with the International Conference of Labour Statisticians’ definition of occupational diseases: ‘a disease contracted as a result of an exposure over a period of time to risk factors arising from work activity’ (International Labour Organization 1998).

## Employee

The ABS defines employee as ‘a person who works for a public or private employer and receives remuneration in wages, salary, a retainer fee from their employer while working on a commission basis, tips, piece-rates, or payment in kind; or a person who operates his or her own incorporated enterprise with or without hiring employees’ (ABS 2007).

In calculating incidence rates, Safe Work Australia uses an estimate of the number of jobs worked by employees. Employees with more than one job (multiple jobholders) face exposures to distinct risks of injury and disease in each separate job. Therefore, the ABS supplies Safe Work Australia with derived estimates of employee jobs for use as the denominators in calculating incidence rates (see explanatory note 12). The employee count is an estimate of how many jobs were worked by people classified as employees in their main jobs on average over the reference period.

## 

## Financial year

A financial year begins on 1 July and ends on 30 June.

## 

## Frequency rate

The number of serious claims per million hours worked is calculated using the following formula: number of serious claims / number of hours worked annually by employees x 1,000,000.

## Hours usually worked

The number of hours the employee or claimant usually works in a week, whether full-time or part-time as defined by the jurisdiction for compensation purposes.

## Hours worked

The ABS supplies Safe Work Australia with estimates of the total number of hours worked by all employees in the reference period. These estimates provide a measure of the time that employees are exposed to work-related risks. Hours worked does not include paid leave such as annual leave or sick leave.

## Incidence rate

The number of serious claims per 1,000 employees is calculated using the following formula: number of

serious claims / number of employees x 1,000.

## 

## Industry

The industry of the claimant’s employer, which is coded using the Australian and New Zealand Standard Industrial Classification, 2006.

## 

## Injury

A condition resulting from a single traumatic event where the harm or hurt is immediately apparent. For example, a cut resulting from an incident with a knife or burns resulting from an acid splash. This is consistent with the International Conference of Labour Statisticians’ definition of occupational injuries: ‘any personal injury, disease or death resulting from an occupational accident’ which is defined as ‘an unexpected and unplanned occurrence, including acts of violence, arising out of or in connection with work which results in one or more workers incurring a personal injury, disease or death’ (International Labour Organization 1998).

## 

## Mechanism of injury or disease

The action, exposure or event that directly caused the most serious injury or disease experienced by the employee.

## 

## Median

The value that is in the middle when observations are ranked from lowest to highest. Half of the observations are higher than the median and half are lower. For an even number of observations, the median is the arithmetic mean of the two values in the middle.

## 

## Nature of injury or disease

The nature of injury or disease classification provides the framework for coding the most serious injury or disease experienced by the employee.

## 

## Occupation

The claimant’s occupation, which is coded using the Australian and New Zealand Standard Classification of Occupations, First Edition.

## 

## Serious claim

A serious claim is an accepted workers’ compensation claim for an incapacity that results in a total absence from work of one working week or more. Claims in receipt of common-law payments are also included. Claims arising from a journey to or from work or during a recess period are not compensable in all jurisdictions and are excluded.

Serious claims exclude compensated fatalities.

## 

## Time lost from work

The number of compensated hours an employee was absent from work.

## 

## Working week

The number of working weeks lost is calculated by dividing the amount of time lost by the hours usually worked by the employee per week. Claims requiring one working week or more of time off are classified as serious claims.

**Explanatory notes**

1. Scope and coverage

The NDS is comprised of accepted workers’ compensation claims, which are presented by the financial year of lodgement. A financial year begins on 1 July and ends on 30 June.

The NDS does not cover all cases of work-related injuries and diseases for the reasons below:

* While state, territory and Commonwealth Government workers’ compensation legislation provides coverage for the majority of employees, some specific groups of workers are covered under separate legislation. Claims lodged by police in Western Australia and military personnel of the Australian Defence Forces are not included.
* Work-related injuries and diseases of self-employed workers are under-represented because workers’ compensation schemes do not generally cover self-employed workers. Around 10 per cent of Australian workers are self-employed. Denominators used to calculate rates only include the jobs and hours of employees who are eligible for workers’ compensation.
* Mesothelioma claims are under-represented because many mesothelioma cases, which are commonly linked to work-related exposure to asbestos, are compensated through mechanisms other than workers’ compensation.
* Diseases are under-represented because many diseases result from long-term exposure to agents or have long latency periods, which makes the link between the work-related disease and the workplace difficult to establish.

2. Age of employee

The age of an employee is derived from their date of birth and the date on which the injury occurred or the disease was first reported to the employer. Data related to the open-ended age group of 65 years and above should be used with caution as claims can be made by people who are no longer in the workforce, particularly for work-related diseases that arise after employees retire. The employee estimates only count people who are currently working. It is possible that rates for this age group overstate the actual rates.

3. Time lost from work

Time lost from work is measured in working weeks and excludes estimates of future absences. Time lost from work comprises the total period of time for which compensation was paid. The time lost is not necessarily continuous and may occur over a number of separate periods. Where an employee returns to work on a part-time basis, they may continue to receive pro-rata payments and the total number of hours for which compensation has been paid is included in calculating the time lost.

The median is used as the measure of central tendency because long-term claims that involve lengthy periods of time lost from work would significantly skew an arithmetic mean.

Data from the preliminary year are excluded when reporting time lost from work because claims from the preliminary year are likely to be open and claimants may accrue more time off work in subsequent years.

4. Compensation paid

The median is used as the measure of central tendency because long-term claims that involve lengthy periods of time lost from work would significantly skew an arithmetic mean. The calculation of median payments excludes claims where only payments for goods and services, such as medical treatment, have been made. Amounts of compensation paid are rounded to the nearest $100.

Data from the preliminary year are excluded when reporting compensation paid because claims from the preliminary year are likely to be open and claimants may accrue more compensation payments in subsequent years.

## 

5. Industry classification

Information about the industry of the claimant’s employer is coded using the Australian and New Zealand Standard Industrial Classification, 2006.

Because industry is based on the claimant’s employer, a claim made by a person employed under labour hire arrangements is coded to the labour supply services industry class, which is in the administrative and support services industry. Industry of employer will be different to industry of workplace for some employees.

6. Occupation classification

Information about the occupation of the claimant is coded using the Australian and New Zealand Standard Classification of Occupations, First Edition.

7. Details of injuries and diseases

Information about injuries and diseases of claimants is coded using the Type of Occurrence Classification System, Third Edition, Revision 1. The classification system is used to code the:

* nature of injury or disease
* bodily location of injury or disease
* mechanism of injury or disease
* breakdown agency of injury or disease, and
* agency of injury or disease.

8. Insufficiently coded data

Some claims are not fully coded due to insufficient information being provided at the time of the claim. Where there is a significant number of incompletely coded claims, they may be separately identified in residual categories like ‘other and unspecified’ or ‘not elsewhere classified’. These claims are included when totals are calculated.

9. Confidentiality

Claim numbers are rounded to the nearest 5 to help protect confidential information about employers and employees. Due to rounding, differences may appear between the reported totals and the sums of rows or columns. Rates and percentages are calculated using unrounded numbers.

10. Time-series analyses

Comparison of preliminary and non-preliminary data should be done with caution. Non-preliminary data are more likely to have been finalised and are generally more accurate than preliminary data.

When analysing trends over time, consideration needs to be given to legislative changes that may influence trends in workers’ compensation data. Information on workers’ compensation arrangements can be found in Safe Work Australia’s Comparison of Workers’ Compensation Arrangements in Australia and New Zealand.

11. Frequency and incidence rates

Frequency rates are expressed as the number of serious claims per million hours worked, while incidence rates are expressed as the number of serious claims per 1000 employees.

Compared with an incidence rate, a frequency rate is a more precise and accurate measure of work health and safety because it reflects the number of injuries and diseases per hour worked. It is important to account for the number of hours worked because there are significant differences in the number of hours worked by different groups of employees and employees at different points in time. The differences in the number of hours worked mean that employees’ exposure to work-related risks vary considerably. A frequency rate accounts for these differences and allows accurate comparisons to be made of different groups of employees and employees at different points in time.

12. Denominators used to calculate rates

Estimates of the number of employees and hours worked for each Australian workers’ compensation jurisdiction are supplied annually by the ABS. The data are primarily derived from the Labour Force Survey, which are adjusted to account for differences in scope between the Labour Force Survey and workers’ compensation coverage.

The ABS provides two sets of estimates for each jurisdiction—one is split by gender, age and industry and the second is split by occupation. This restricts presentation of rates to the categories supported by the ABS data. Therefore, it is not possible to calculate rates for occupational groups within specific industries. As these two sets of estimates are based on different data sources, total employment and hours worked estimates may vary slightly. As a result rates and percentage changes may also differ slightly for estimates calculated from the occupation data set.

In 2008, the ABS conducted a review of the methodology used to calculate the number of employees in each industry and the number of hours worked by each employee. After the review, the ABS implemented a number of changes to its methodology, which increased its estimates. As the ABS could only supply new estimates from 2005–06 onwards, estimates for previous years were adjusted based on the movement between the old and new estimates for 2005–06 to avoid a break in the time series. Reports from 2007–08 use these new estimates. Therefore, comparison with previous reports should not be made.

Following the review, the major change to the estimates was in the industry coding of ‘jobs other than the main job’ of multiple job holders. Where previously the second job was combined into the industry of the first job, these have now been separated to be shown in the industry in which the employee works in each separate job. This resulted in changes to rates in some industries. In particular, a decrease in employee estimates occurred in Public administration and safety, Manufacturing, and Health care and social assistance as these were the industries where a greater proportion held a second job. An increase occurred in Arts and recreation services, and Accommodation and food services as these were the industries where the second job was most commonly worked.

While the ABS is able to adjust the employee estimates to account for the industries where the second job was worked, it is unable to adjust the hours worked in a similar manner. All hours worked are allocated to the industry of the main job.

Because eligibility for workers’ compensation varies from jurisdiction to jurisdiction, further adjustments are necessary. The most significant adjustments are outlined below:

* Police in Western Australia, who are covered by a separate scheme that does not report to Safe Work Australia, are excluded from the denominators.
* Under previous Queensland legislation, owner-managers of incorporated enterprises (OMIEs), who are included in the standard definition of ‘employee’, had the option of purchasing workers’ compensation insurance. Based on 2006 census data, 10 per cent of employed people in Queensland were OMIEs, an unknown number of whom were covered by workers’ compensation. Prior to the legislation change (1 July 2013), this population was excluded from denominator and claims data. Data from 1 July 2013 onwards will explicitly include OMIEs in both denominator and numerator data.

13. Adjustment of Victorian data

Safe Work Australia uses one working week of time lost from work as the cut-off for the classification of accepted claims as serious claims. This cut-off was chosen because most jurisdictions have an employer excess of one week or less. Since claims with an absence of at least one week are generally processed by the workers’ compensation authority, the use of a one-week cut-off ensures comparable data are compiled from all jurisdictions so that an accurate national estimate can be produced.

However, under the Victorian workers’ compensation scheme, the employer can be liable for the first 10 working days lost by the injured or ill worker (for an employee working two days per week, for instance, that would amount to five weeks’ pay), plus the first $692 of medical services (for the year 2016/17 – indexed annually), unless the employer elected the ‘excess buy-out’ option. Since information on claims paid solely by employers is not always provided to the workers’ compensation authority, the national count of serious claims is affected.

To correct for this under-counting, Victorian claims of one to two weeks’ duration are increased by a factor to represent the ‘missing claims’. The factor is calculated by comparing the percentage of claims of one to two weeks’ duration for Victoria with the percentage of claims of one to two weeks’ duration for all other Australian jurisdictions at the industry division level and by nature of injury or disease. The factoring makes the percentage of claims in each industry and nature group in Victoria match the Australian average for claims of this duration. This factoring increases Victorian claims by around 20 per cent and the Australian count by less than 3 per cent.

14. Changes to South Australian data

Safe Work Australia conducted a review of the methodology used to calculate the South Australian claims data under-10-days excess factors. Following the review, it was found that the claim numbers after factoring did not accurately represent the South Australian claims. Hence, the excess factors for South Australian claims were not applied in this 2016-17 edition of the Australian Workers’ Compensation Statistics report, which includes claims data from 2011–12 to 2016–17.

15. Reliability of data

Data are subject to two types of errors—non-sampling errors and sampling errors.

## Non-sampling error

Non-sampling errors may occur in any statistical collection due to:

* incorrect inclusion or exclusion of respondents or cases
* non-response of respondents
* inaccurate information from respondents
* inaccurate recording of information by data collectors
* deficiencies in data collection materials and processes, and
* errors that occur during the entry, coding and editing of data.

Non-sampling errors may affect the numerator and denominator data. It is difficult to quantify non-sampling error.

## Sampling error

Sampling error is a measure of the variation that occurs when a sample, rather than an entire population, is surveyed. Standard error indicates the extent to which an estimate of a sample varies from the estimate of the population from which it is drawn. When a standard error is expressed as a percentage of the estimate to which it relates, it is known as a relative standard error (RSE).

The denominator data used to calculate rates of serious claims are subject to sampling error. Rates that are calculated using denominators with high RSEs are annotated with one asterisk (\*) to indicate that the RSE of the denominator is 25 per cent or higher and two asterisks (\*\*) if the RSE is 50 per cent or higher.

# References

Australian Bureau of Statistics (ABS) 2007. Labour Statistics: Concepts, Sources and Methods, August 2006. ABS catalogue number 6102.0.55.001. Canberra: ABS. <http://www.abs.gov.au/ausstats/abs@.nsf/allprimarymainfeatures/5cbef69b3f02291fca2572c100201026?opendocument>

Australian Bureau of Statistics (ABS) and Statistics New Zealand 2006. Australian and New Zealand Standard Classification of Occupations, First Edition. ABS catalogue number 1220.0. Canberra: ABS. <http://www.abs.gov.au/ausstats/abs@.nsf/allprimarymainfeatures/f6a0bb67c088f217ca2575df001cadc7?opendocument>

Australian Bureau of Statistics (ABS) and Statistics New Zealand 2006. Australian and New Zealand Standard Industrial Classification, 2006. ABS catalogue number 1292.0. Canberra: ABS. <http://www.abs.gov.au/ausstats/abs@.nsf/allprimarymainfeatures/a77d93484dc49d63ca25712300056842?opendocument>

Australian Bureau of Statistics (ABS) 2018, Wage Price Index, Australia, September 2018, ABS Catalogue number 6345.0, Canberra: ABS.  
<http://www.abs.gov.au/ausstats/abs@.nsf/mf/6345.0>

Australian Safety and Compensation Council (ASCC) 2008. Type of Occurrence Classification System, Third Edition, Revision 1. Canberra: ASCC.

<https://www.safeworkaustralia.gov.au/doc/type-occurrence-classification-system-toocs-3rd-edition-may-2008>

International Labour Organization (ILO) 1998. Resolution Concerning Statistics of Occupational Injuries. The Sixteenth International Conference of Labour Statisticians. Geneva: ILO.

National Centre for Classification in Health (NCCH) 2006. The International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification (ICD-10-AM). Sydney: NCCH.

Safe Work Australia 2012. National Dataset for Compensation-Based Statistics, 3rd Edition (Revision 1). Safe Work Australia.

<https://www.safeworkaustralia.gov.au/doc/national-data-set-compensation-based-statistics-3rd-edition-revision-1>

Safe Work Australia. Work-Related Traumatic Injury Fatalities. Canberra: Safe Work Australia.

<https://www.safeworkaustralia.gov.au/collection/work-related-traumatic-injury-fatalities>

# Further information

Data and Analysis

Safe Work Australia

[statsonline@swa.gov.au](mailto:statsonline@swa.gov.au)

Safe Work Australia

GPO Box 641

Canberra ACT 2601

[www.swa.gov.au](http://www.swa.gov.au/)

[www.facebook.com/safeworkaus](http://www.facebook.com/safeworkaus)

# Jurisdictional contacts

Contact details for jurisdictional work health and safety regulators are available on the following website: https://www.safeworkaustralia.gov.au/whs-authorities-contact-information

1. Data for 2016-17 is preliminary and subject to change when further claims are finalised. [↑](#footnote-ref-1)
2. Wage Price Index, ABS Catalogue No. 6345.0, Australia, September 2016. [↑](#footnote-ref-2)