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Washington State Occupational Health Indicators - Current Data (2010-present)

Data from the Safety & Health Assessment & Research for Prevention (SHARP) program at L&I.

(SHARP Surveillance Report #80-13-2019)

Occupational Health Indicators

There are over 3 million workers in Washington State. Every year tens of thousands are injuried or made ill on the job. These work-related injuries and illnesses have high human and economic costs, but can be prevented. Tracking these injuries and illnesses is the first step to understanding whether prevention methods are succeeding or need to be improved.

Washington State researchers at the Department of Labor and Industries worked with the Council of State and Territorial Epidemiologists (CSTE) Occupational Health workgroup to develop a set of measures to track occupational injuries and illnesses. These measures are called 'occupational health indicators' (OHI) and are meant to provide an overview and general assessment of the occupational health status of Washington State.

CSTE publishes OHI data annually, but does not necessarily include the most up-to-date data. Generally, the OHI data on the CSTE website lag the publication year by 3 years (for example, OHI data for year 2014 are not published on the CSTE website until late 2017). In an effort to make WA State OHI data available in more "real-time", this report summarizes the data available from 2010 through the most currently available data. Because data sources differ in publication schedules, portions of the report may be blank where data are not yet available.

This document will be updated biannually, or as data becomes available. Revisions will be noted.

- (P) denotes preliminary numbers.
- (R) denotes a revision.

Newest data appears in blue bold font.

A dashed vertical line between years of data indicates a break in series, generally due to changes in coding systems.

"NA" indicates data not available.

For data from 2000-2010, please see the indicator report #80-11-2011. http://www.lni.wa.gov/Safetv/Research/Files/80112011WaOccHealthIndic.pdf

For technical notes and details on data sources, case definitions and methods, see indicator report #80-4-2008 "Occupational Health Indicators for Washington State, 1997-2004". http://www.lni.wa.gov/Safety/Research/Files/OccHealth/OccHealthReport2008.pdf

For information about the development and selection of the Occupational Health Indicators, as well as the downloadable guide that contains the methodology, see the CSTE website. http://www.cste.org/qroup/OHIndicators

Need more information?

Safety and Health Assessment and Research for Prevention (SHARP) Program Washington State Department of Labor and Industries PO Box 44330 Olympia, WA 98504-4330 1-888-66-SHARP

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------|------|
| Number of employed persons age ≥ 16 years | 3,180,000 | 3,127,000 | 3,184,000 | 3,221,000 | 3,269,000 | 3,354,000 | 3,449,000 | 3,551,000 | | |
| Employment Demographics | | | | | | | | | | |
| P1. Percentage of civilian workforce unemployed | 10.2 | 9.4 | 8.3 | 7.0 | 6.3 | 6.0 | 5.5 | 4.6 | | |
| P2. Percentage of civilian employment self-employed | 7.6 | 7.1 | 7.6 | 6.5 | 6.1 | 6.1 | 6.0 | 7.1 | | |
| P3. Percentage of civilian employment in part-time iobs | 23.0 | 22.4 | 21.8 | 20.0 | 20.1 | 19.8 | 19.3 | 19.7 | | |
| P4. Percentage of civilian employment by number of hours worked | | | | | | | | | | |
| <40 hours | 40.5 | 40.1 | 38.7 | 35.9 | 36 | 36.9 | 34.9 | 35.7 | | |
| 40 hours | 35.7 | 35.5 | 37.0 | 40.1 | 39.6 | 36.9 | 38.6 | 38.9 | | |
| 41+ hours | 23.8 | 24.4 | 24.3 | 24.0 | 24.4 | 26.2 | 26.4 | 25.4 | | |
| P5. Percentage of civilian employment by sex | | | | | | | | | | |
| Males | 52.4 | 52.6 | 53.3 | 53.5 | 53.3 | 53.8 | 52.8 | 54.0 | | |
| Females | 47.6 | 47.4 | 46.7 | 46.5 | 46.7 | 46.2 | 47.2 | 46.0 | | |
| P6. Percentage of civilian employment by age group | | | | | | | | | | |
| 16 to 17 | 1.0 | 0.7 | 1.0 | 0.8 | 0.9 | 1.0 | 1.2 | 1.0 | | |
| 18 to 64 | 95.2 | 94.9 | 94.2 | 94.6 | 94.1 | 93.6 | 93.7 | 93.0 | | |
| 65+ | 3.8 | 4.5 | 4.8 | 4.6 | 5.1 | 5.4 | 5.1 | 6.0 | | |
| P7. Percentage of civilian employment by race | | | | | | | | | | |
| White | 84.6 | 84.5 | 81.7 | 82.2 | 81.8 | 81.0 | 80.7 | 80.5 | | |
| Black | 2.6 | 2.7 | 3.3 | 3.0 | 3.3 | 3.8 | 4.1 | 4.0 | | |
| Other | 12.8 | 12.8 | 15.0 | 14.8 | 14.9 | 15.2 | 15.3 | 15.5 | | |
| P8. Percentage of civilian employment by Hispanic Origin | 8.3 | 7.9 | 9.0 | 9.7 | 10.8 | 12.4 | 12.1 | 13.2 | | |
| P9. Percentage of civilian employment by industry | | | | | | | | | | |
| Post-2003 Industry Categories: | | | | | | | | | | |
| Mining | 0.1 | <0.05 | < 0.05 | 0.1 | 0.1 | 0.3 | 0.2 | 0.2 | | |
| Construction | 6.6 | 5.7 | 5.5 | 6.4 | 6.5 | 6.6 | 6.3 | 6.9 | | |
| Manufacturing - Durable goods | 7.5 | 8.4 | 9.6 | 8.1 | 7.5 | 7.1 | 6.9 | 7.1 | | |
| Manufacturing - Non-durable goods | 3.0 | 2.6 | 2.7 | 2.9 | 3.5 | 3.5 | 3.2 | 2.9 | | |
| Wholesale and Retail Trade | 13.3 | 13.5 | 14.2 | 14.2 | 14.3 | 14.0 | 14.8 | 15.6 | | |
| Transportation and utilities | 4.7 | 5.3 | 5.2 | 5.5 | 5.3 | 5.2 | 5.2 | 5.3 | | |
| Information | 2.3 | 2.6 | 2.3 | 1.9 | 2.3 | 2.5 | 2.0 | 2.4 | | |
| Financial activities | 5.8 | 5.5 | 5.0 | 5.9 | 5.9 | 5.1 | 5.6 | 5.4 | | |
| Professional and business services | 12.8 20.8 | 11.9 22.1 | 12.2 21.8 | 13.0 21.3 | 12.8 20.9 | 12.9 20.8 | 13.9 20.8 | 13.4 19.5 | | |
| Education and health services Leisure and hospitality | 9.8 | 9.8 | 9.4 | 10.0 | 9.1 | 8.9 | 9.3 | 9.2 | | |
| Other services | 4.4 | 4.0 | 4.4 | 4.3 | 4.1 | 4.3 | 4.8 | 4.4 | | |
| Public administration | 6.3 | 6.1 | 5.2 | 4.3 | 4.6 | 5.0 | 4.0 | 4.5 | | |
| Agriculture and related | 2.4 | 2.3 | 2.5 | 2.3 | 2.8 | 4.0 | 2.9 | 3.3 | | |
| P10. Percentage of civilian employment by occupation | | | | | | | | | | |
| Post-2003 Occupational Categories: | | | | | | | | | | |
| Management, business and financial operations | 15.7 | 16.4 | 16.1 | 16.9 | 17.2 | 16.8 | 18.9 | 18.4 | | |
| Professional and related | 24.6 | 24.4 | 24.7 | 24.1 | 23.9 | 25.0 | 24.4 | 22.8 | | |
| Service | 17.2 | 17.9 | 16.9 | 16.7 | 16.2 | 16.1 | 16.3 | 16.2 | | |
| Sales and related | 9.9 | 9.6 | 10.6 | 9.9 | 9.9 | 9.2 | 9.6 | 10.1 | | |
| Office and administrative support | 12.1 | 12.0 | 11.2 | 11.3 | 11.5 | 10.8 | 10.7 | 11 | | |
| Farming/forestry/fishing | 1.6 | 1.4 | 1.4 | 1.4 | 1.6 | 2.5 | 1.6 | 2.1 | | |
| Construction and extraction | 5.1 | 4.0 | 4.2 | 4.7 | 5.4 | 4.6 | 4.3 | 5.1 | | |
| Installation, maintenance, and repair | 3.2 | 3.7 | 3.4 | 3.8 | 3.9 | 4.1 | 3.0 | 3.3 | | |
| Production | 5.0 | 5.1 | 5.3 | 5 | 5.4 | 4.9 | 5.0 | 4.4 | | |
| Transportation/material moving | 5.7 | 5.7 | 6.2 | 6.1 | 5.2 | 6.0 | 6.2 | 6.5 | | |

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|-----------------|------------------|----------------------|---------------------------|-----------|-----------|-----------|-----------|------|------|
| Number of employed persons age ≥ 16 years | 3,180,000 | 3,127,000 | 3,184,000 | 3,221,000 | 3,269,000 | 3,354,000 | 3,449,000 | 3,551,000 | | |
| Indicator 1. Nonfatal Occupational Injuries and Illne | ss Reported b | y Employers | | | | | | | | |
| 1.1 Number of occupational injuries and illnesses reported by employers | 86,700 | 89,300 | 89,300 | 91,100 | 90,000 | 90,700 | 89,200 | 86,600 | | |
| 1.2 Rate of occupational injuries and illnesses per 100,000 FTE | 4,800 | 4,900 | 4,800 | 4,800 | 4,600 | 4,400 | 4,300 | 4,000 | | |
| 1.3 Number of cases involving days away from work | 28,700 | 29,900 | 28,500 | 29,900 | 29,200 | 29,400 | 27,000 | 29,300 | | |
| 1.4 Rate of cases involving days away from work per 100,000 FTE | 1,600 | 1,600 | 1,500 | 1,600 | 1,500 | 1,400 | 1,300 | 1,300 | | |
| 1.5 Number involving >10 days away from work | 12,660 | 13,060 | 12,110 | 12,400 | 12,220 | 12,290 | 9,880 | 11,620 | | |
| Indicator 2. Work-related Hospitalizations | | | | | | | | | | |
| 2.1 Annual number of work-related hospitalizations | 5,200 | 5,012 | 4,747 | 4,258 | 3,707 | 3,367 | 3,074 | 3,082 | | |
| 2.2 Annual rate of hospitalizations per 100,000 employed persons | 164 | 160.3 | 149.1 | 132.2 | 113.4 | 100.9 | 89.1 | 86.8 | | |
| Indicator 3. Work-related Fatal Injuries | | | | | | | | | | |
| 3.1 Annual number of work-related traumatic fatalities | 104 | 60 | 67 | 56 | 88 | 70 | 78 | 84 | | |
| 3.2 Annual fatality rate per 100,000 employed persons | 3.6 | 1.9 | 2.1 | 1.7 | 2.7 | 2.1 | 2.3 | 2.4 | | |
| 3.2B Annual fatality rate per 100,000 FTE | 3.6 | 2.1 | 2.3 | 1.9 | 2.9 | 2.2 | 2.4 | 2.5 | | |
| Indicator 4. Work-related amputations with days aw | ay from work | reported by em | oloyers ¹ | | | | | | | |
| 4.1 Estimated annual number of work-related amputations involving days away from work | 70 | 320 | 70 | 70 | 90 | 120 | 160 | 90 | | |
| 4.2 Estimated rate of amputations involving days away from work per 100,000 FTE | 4.0 | 17.0 | 4.0 | 4.0 | 5.0 | 6.0 | 8.0 | 4.0 | | |
| Indicator 5. State workers' compensation claims for | amputations | with lost work-t | ime | | | | | | | |
| Number of WA workers covered by state workers' comp system | 2,667,000 | 2,707,000 | 2,751,000 | 2,820,000 | 2,899,000 | 3,049,000 | 3,141,000 | | | |
| 5.1 Number of workers' comp claims for amputations with lost work-time | 175 | 194 | 195 | 228 | 211 | 240 | 230 | | | |
| 5.2 Rate workers' comp claims for amputations with lost work-time per 100,000 workers covered by state workers' comp system | 6.6 | 7.2 | 7.1 | 8.1 | 7.3 | 7.9 | 7.3 | | | |
| Indicator 6. Hospitalization for work-related burns ² | | | | | | | | | | |
| 6.1 Number of hospitalizations for work-related burns | 70 | 67 | 55 | 58 | 37 | 51 | 45 | 33 | | |
| 6.2 Rate of hospitalizations for work-related burns per 100,000 employed persons | 4 | 2.1 | 1.7 | 1.8 | 1.1 | 1.5 | 1.3 | 0.9 | | |
| Indicator 7. Work-related musculoskeletal disorders | s (MSD) with d | ays away from \ | work reported l | by employers ¹ | | | | | | |
| 7.1 Estimated number of all MSD cases involving days away from work | 11,410 | 12,430 | 12,100 | 12,020 | 11,230 | 10,900 | 9,660 | 10,970 | | |
| 7.2 Estimated incidence rate of all MSD involving days away from work per 100,000 FTE | 631 | 679 | 649 | 630 | 568 | 527 | 467 | 504 | | |
| 7.3 Estimated number of MSD of the neck, shoulder, and upper extremity involving days away from work | 4,000 | 3,620 | 3,470 | 3,910 | 3,510 | 3,060 | 3,490 | 3,270 | | |
| 7.4 Estimated incidence rate of MSDs of neck, shoulder & upper extremity involving days away from work per 100,000 FTE | 222 | 198 | 186 | 205 | 178 | 149 | 169 | 150 | | |
| 7.5 Estimated number of carpal tunnel syndrome (CTS) cases involving days away from work | 560 | 480 | 320 | 260 | 190 | 150 | 350 | 180 | | |
| 7.6 Estimated incidence rate of CTS cases involving days away from work per 100,000 FTE | 31 | 26 | 17 | 14 | 10 | 7 | 17 | 8 | | |
| 7.7 Estimated number of MSD of the back involving days away from work | 4,880 | 5,320 | 5,620 | 5,140 | 4,810 | 4,870 | 3,820 | 4,580 | | |
| 7.8 Estimated incidence rate of MSD of the back involving days away from work per 100,000 FTE | 270 | 290 | 301 | 269 | 244 | 236 | 184 | 210 | | |
| Indicator 8. State workers' compensation claims for | r carpal tunnel | syndrome (CTS | s) with lost wor | k-time | | | | | | |
| Number of WA workers covered by state workers' comp system | 2,667,000 | 2,707,000 | 2,751,000 | 2,820,000 | 2,899,000 | 3,049,000 | 3,141,000 | | | |
| 8.1 Number of workers' comp claims for carpal tunnel syndrome (CTS) with lost work-time | 919 | 829 | 787 | 663 | 631 | 611 | 536 | | | |
| 8.2 Rate of workers' comp claims for CTS per 100,000 workers covered by state workers' comp system | 34.5 | 30.6 | 28.6 | 23.5 | 21.8 | 20.0 | 17.1 | | | |

¹Series break between 2010 and 2011 reflect change in OIICS codes from version 1 version 2.
²Series breaks around 2015 reflect the nation's transition from version ICD-9 to ICD-10 in October 2015.

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--|------------------------|------------------|----------------|-------------|-----------|-----------|-----------|-----------|------|------|
| Number of employed persons age ≥ 16 years | 3,180,000 | 3,127,000 | 3,184,000 | 3,221,000 | 3,269,000 | 3,354,000 | 3,449,000 | 3,551,000 | | |
| Indicator 9. Hospitalizations from or with pneumoc | oniosis ^{1,2} | | | | | | | | | |
| 9.1 Hospital discharges with a primary or contributing diagnosis of total pneumoconiosis | | | | | | | | | | |
| 9.1.1 Number of hospital discharges | 470 | 404 | 390 | 341 | 287 | 220 | 179 | 200 | | |
| 9.1.2 Rate of hospitalizations per million residents | 86.8 | 73.2 | 69.9 | 60.4 | 50.1 | 41.6 | 30.2 | 33.2 | | |
| 9.1.3 Rate of hospitalizations, age-standardized | 91.3 | 76.2 | 70.2 | 59.2 | 48.2 | 36.8 | 28.5 | 31.5 | | |
| 9.2 Hospital discharge with a primary, contributing diag of coal workers' pneumoconiosis | | | | | | | | | | |
| 9.2.1 Number of hospital discharges | 10 | 10 | 14 | 10 | 7 | <10 | <10 | <10 | | |
| 9.2.2 Rate of hospitalizations per mil residents | 1.8 | 1.8 | 2.5 | 1.8 | 1.2 | S | S | S | | |
| 9.2.3 Rate of hospitalizations, age-standardized | 2.0 | 1.7 | 2.2 | 1.6 | 1.0 | S | S | S | | |
| 9.3 Hospital discharges with a primary or contributing diagnosis of asbestosis | | | | | | | | | | |
| 9.3.1 Number of hospital discharges | 441 | 373 | 361 | 312 | 266 | 200 | 154 | 176 | | |
| 9.3.2 Rate of hospitalizations per million residents | 81.4 | 67.6 | 64.7 | 55.3 | 46.4 | 37.8 | 26.0 | 29.7 | | |
| 9.3.3 Rate of hospitalizations, age-standardized 9.4 Hospital discharges with a primary or contributing | 86.1 | 70.9 | 65.6 | 53.9 | 44.5 | 33.3 | 24.4 | 27.7 | | |
| diagnosis of silicosis | 40 | 44 | 40 | 0 | | 40 | 40 | | | |
| 9.4.1 Number of hospital discharges 9.4.2 Rate of hospitalizations per million residents | 12 2.2 | 11 2.0 | 10 1.7 | 9 1.6 | 9 1.6 | <10 S | <10 S | 10 | | |
| 9.4.3 Rate of hospitalizations, age-standardized | 2.1 | 2.0 | 1.6 | 1.6 | 1.6 | S | S | 1.7 | | |
| 9.5 Hospital discharges with a primary or contributing diag of other pneumoconiosis | 2.1 | 2.0 | 1.0 | 1.0 | 1.0 | Ü | | 1.5 | | |
| 9.5.1 Number of hospital discharges | 8 | 11 | 5 | 10 | 6 | <10 | 12 | <10 | | |
| 9.5.2 Rate of hospitalizations per million residents | 1.5 | 2 | 0.9 | 1.8 | 1.0 | s | 2.0 | s | | |
| 9.5.3 Rate of hospitalizations, age-standardized | 1.4 | 1.7 | 0.7 | 2.0 | 1.0 | S | 1.7 | S | | |
| Indicator 10. Mortality from or with pneumoconiosi | is | | | | | | | | | |
| 10.1 Deaths with pneumoconiosis as underlying or contributing cause | | | | | | | | | | |
| 10.1.1 Number of deaths | 81 | 71 | 64 | 85 | 68 | 64 | 60 | | | |
| 10.1.2 Death rate per million residents | 14.9 | 12.9 | 11.5 | 15.1 | 11.9 | 10.9 | 10.1 | | | |
| 10.1.3 Death rate, age standardized | 15.1 | 13.6 | 11.5 | 14.7 | 11.4 | 10.5 | 9.7 | | | |
| 10.2 Deaths with coal workers pneumoconiosis as underlying or contributing cause | | | | | | | | | | |
| 10.2.1 Number of deaths | 2 | 1 | 0 | 0 | 1 | 0 | 1 | | | |
| 10.2.2 Death rate per million residents | | | | | | | | | | |
| 10.2.3 Death rate, age standardized 10.3 Deaths with asbestosis as underlying or contributing cause | | | | | | | | | | |
| 10.3.1 Number of deaths | 76 | 68 | 62 | 82 | 65 | 62 | 57 | | | |
| 10.3.2 Death rate per million residents | 14.0 | 12.3 | 11.2 | 14.5 | 11.3 | 10.6 | 9.6 | | | |
| 10.3.3 Death rate, age standardized | 14.3 | 13.1 | 11.2 | 14.3 | 10.9 | 10.1 | 9.2 | | | |
| 10.4 Deaths with silicosis as underlying or contributing cause | | | | | | | | | | |
| 10.4.1 Number of deaths | 2 | 2 | 2 | 1 | 0 | 3 | 2 | | | |
| 10.4.2 Death rate per million residents | | | | | | | | | | |
| 10.4.3 Death rate, age standardized | | | | | | | | | | |
| as underlying or contributing cause | 4 | 0 | | | 2 | 0 | • | | | |
| 10.5.1 Number of deaths | 1 | 0 | 0 | 3 | 2 | 0 | 2 | | | |
| 10.5.2 Death rate per million residents 10.5.3 Death rate, age standardized | | | | | | | | | | |
| Indicator 11. Acute work-related pesticide-associate | ed illness and i | njury reported t | to poison cont | rol centers | | | | | | |
| 11.1 Number of case of work-related pesticide poisoning | 101 | 91 | 85 | 81 | 77 | 91 | 93 | | | |
| 11.2 Rate of work-related pesticide poisoning cases per 100,000 employed persons | 3.2 | 2.91 | 2.7 | 2.5 | 2.4 | 2.7 | 2.7 | | | |
| Indicator 12. Incidence of malignant mesothelioma | | | | | | | | | | |
| 12.1 Number of incident mesothelioma cases | 103 | 95 | 94 | 81 | 96 | 92 | 86 | | | |
| 12.2 Rate of incident mesothelioma cases per million residents | 19 | 17.2 | 16.9 | 14.4 | 16.8 | 15.8 | 14.5 | | | |
| 12.3 Rate of incident mesothelioma cases per million residents, age standardized | 19.7 | 17.3 | 16.6 | 13.4 | 15.8 | 15.1 | 13.7 | | | |
| | | | | | | | | | | |

 $^{^1\}mathrm{Series}$ breaks around 2015 reflect the nation's transition from version ICD-9 to ICD-10 in October 2015. $^2\mathrm{Data}$ suppressed (S) when cases <10.

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--|-----------------|-------------------|----------------------|-----------|-----------|-----------|-----------|-----------|------|------|
| Number of employed persons age ≥ 16 years | 3,180,000 | 3,127,000 | 3,184,000 | 3,221,000 | 3,269,000 | 3,354,000 | 3,449,000 | 3,551,000 | | |
| Indicator 13. Elevated blood lead levels among pers | ons age 16 ye | ars or older ("Ad | iults") ¹ | | | | | | | |
| 13.1 Adults with a blood lead level (BLL) ≥10 ug/dL | | | | | | | | | | |
| 13.1.1 Number of adults with BLL ≥10 ug/dL | NA | 227 | 191 | 212 | 212 | 147 | 185 | 217 | | |
| 13.1.2 Prevalence rate per 100,000 employed prsns | NA | 7.3 | 6 | 6.6 | 6.5 | 4.4 | 5.4 | 6.1 | | |
| 13.1.3 Number of incident cases | NA | 103 | 109 | 120 | 106 | 74 | 98 | 106 | | |
| 13.1.4 Incidence rate per 100,000 employed persons | NA | 3.3 | 3.4 | 3.7 | 3.2 | 2.2 | 2.8 | 3.0 | | |
| 13.2 Adults with a blood lead level (BLL) ≥25 ug/dL 13.2.1 Number of adults with BLL ≥ 25 ug/dL | 84 | 67 | 65 | 53 | 42 | 30 | 25 | 35 | | |
| 13.2.2 Prevalence rate per 100,000 employed prsns | 2.6 | 2.1 | 2.1 | 1.7 | 1.3 | 0.9 | 0.7 | 1.0 | | |
| 13.2.3 Number of incident cases | 50 | 21 | 29 | 23 | 23 | 17 | 11 | 17 | | |
| 13.2.4 Incidence rate per 100,000 employed persons | 1.5 | 0.7 | 0.9 | 0.7 | 0.7 | 0.5 | 0.3 | 0.5 | | |
| 13.3 Adults with a blood lead level (BLL) ≥ 40 ug/dL | | | | | | | | | | |
| 13.3.1 Number of adults with BLL ≥40 ug/dL | 13 | 10 | 24 | 10 | 13 | 7 | 5 | 7 | | |
| 13.3.2 Prevalence rate per 100,000 employed prsns | 0.4 | 0.3 | 0.8 | 0.3 | 0.4 | 0.2 | 0.1 | 0.2 | | |
| 13.3.3 Number of incident cases | 11 | 3 | 16 | 5 | 7 | 4 | 2 | 6 | | |
| 13.3.4 Incidence rate per 100,000 employed persons | 0.3 | 0.1 | 0.5 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 | | |
| Indicator 14. Workers employed in industries at hig | h risk for occu | ipational morbid | ity | | | | | | | |
| 14.1 Number of persons employed in industries at high risk of occupational morbidity | 155,685 | 165,375 | 159,659 | 127,571 | 131,945 | 134,409 | 138,641 | | | |
| 14.2 Percentage of persons employed in industries at high risk of occupational morbidity | 6.7 | 7.0 | 6.8 | 5.2 | 5.2 | 5.2 | 5.2 | | | |
| Indicator 15. Workers employed in occupations at h | igh risk for oc | cupational morb | oidity | | | | | | | |
| 15.1 Number of persons employed in occupations at high risk of occupational morbidity | 329,537 | 303,145 | 325,470 | 334,186 | 371,903 | 382,969 | 379,300 | 415,000 | | |
| 15.2 Percentage of persons employed in occupations at high risk of occupational morbidity | 14.5 | 13.6 | 14.3 | 13.7 | 15.0 | 15.4 | 14.8 | 15.8 | | |
| Indicator 16. Workers employed in industries and o | ccupations at | high risk for occ | upational mor | tality | | | | | | |
| 16.1 Number of persons employed in industries at high risk of occupational mortality | 316,303 | 376,458 | 384,315 | 419,771 | 428,700 | 485,126 | 481,118 | 536,000 | | |
| 16.2 Percentage of persons employed in industries at high risk of occupational mortality | 13.9 | 14.6 | 14.5 | 15.2 | 15.4 | 17.1 | 16.4 | 17.8 | | |
| 16.3 Number of persons employed in occupations at high risk of occupational mortality | 267,744 | 314,865 | 311,770 | 330,103 | 316,801 | 385,433 | 368,318 | 408,000 | | |
| 16.4 Percentage of persons employed in occupations at high risk of occupational mortality | 11.8 | 12.2 | 11.7 | 11.9 | 11.4 | 13.6 | 12.6 | 13.5 | | |
| Indicator 17. Occupational safety and health profess | sionals (disco | ntinued after 201 | (5) ^{1,2} | | | | | | | |
| 17.1 Number of board-certified occupational medicine physicians (ABPM) | 101 | NA | 102 | NA | 111 | 110 | | | | |
| 17.2 Rate of ABPM physicians per 100,000 employed persons | 3.2 | NA | 3.2 | NA | 3.4 | 3.3 | | | | |
| 17.3 Number of members of the American College of Occupational and Environ Medicine (ACOEM) | 111 | NA | 118 | 113 | 108 | 141 | | | | |
| 17.4 Rate of ACOEM members per 100,000 employed persons | 3.5 | NA | 3.7 | 3.5 | 3.3 | 4.2 | | | | |
| 17.5 Number of American board-certified occupational health nurses (ABOHN) | 94 | NA | NA | 89 | 81 | 83 | | | | |
| 17.6 Rate of ABOHN nurses per 100,000 employed persons | 3.0 | NA | NA | 2.8 | 2.5 | 2.5 | | | | |
| 17.7 Number of American Association of Occupational Health Nurses (AAOHN) members | NA | NA | NA | NA | NA | NA | | | | |
| 17.8 Rate of AAOHN members per 100,000 employed persons | NA | NA | NA | NA | NA | NA | | | | |
| 17.9 Number of board-certified industrial hygienists (ABIH) | 312 | NA | 209 | 253 | 251 | 233 | | | | |
| 17.10 Rate of ABIH hygienists per 100,000 employed persons | 9.8 | NA | 6.6 | 7.9 | 7.7 | 7.0 | | | | |
| 17.11 Number of American Industrial Hygiene Association (AIHA) members | 237 | NA | 261 | 196 | NA | NA | | | | |
| 17.12 Rate of AIHA members per 100,000 employed persons | 7.5 | NA | 8.2 | 6.1 | NA | NA | | | | |
| 17.13 Number of board-certified safety health professionals (BCSP) | 276 | NA | 319 | 331 | 350 | 367 | | | | |
| 17.14 Rate of BCSP professionals per 100,000 employed persons | 8.7 | NA | 10 | 10.3 | 10.7 | 11.0 | | | | |
| 17.15 Number of American Society of Safety Engineers (ASSE) members | 743 | NA | 809 | 848 | 800 | 822 | | | | |
| 17.16 Rate of ASSE members per 100,000 employed persons | 23.4 | NA | 25.4 | 26.3 | 24.5 | 24.6 | | | | |
| 17.17 Total number of safety and health professionals | | NA | 1,818 | 1,830 | 1,749 | 1,842 | | | | |
| 17.18 Rate of safety and health professionals per 100,000 employed persons | | NA | 57.1 | 56.8 | 53.5 | 55.2 | | | | |

¹Data not available (NA) for all years. ²Indicator has been discontinued and will not be collected after 2015.

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|------------------|------------------|--------------------------|-------------------|------------------|-----------------|-----------------|-----------|------|------|
| Number of employed persons age ≥ 16 years | 3,180,000 | 3,127,000 | 3,184,000 | 3,221,000 | 3,269,000 | 3,354,000 | 3,449,000 | 3,551,000 | | |
| Indicator 18. OSHA enforcement activities | | | | | | | | | | |
| 18.1 Annual number of establishments inspected by OSHA in all OSHA-covered sectors | 6,946 | 5,641 | 5,120 | 5,125 | 5,045 | 4,341 | 4,335 | | | |
| 18.2 Total number of establishments in the state | 226,052 | 223,340 | 236,095 | 241,210 | 236,829 | 232,984 | 235,511 | | | |
| 18.3 Estimated percentage of eligible establishments inspected by OSHA | 3.1 | 2.5 | 2.3 | 2.1 | 2.1 | 1.9 | 1.8 | | | |
| 18.4 Annual number of employees whose work areas were inspected by OSHA | 188,904 | 153,303 | 158,802 | 132,940 | 182,668 | 233,942 | 388,664 | | | |
| 18.5 Estimated percentage of employees in eligible establishments inspected by OSHA | 6.9 | 5.5 | 5.6 | 4.6 | 6.2 | 7.7 | 10.8 | | | |
| Indicator 19. Workers' Compensation Awards | | | | | | | | | | |
| 19.1 Total amount of workers' compensation benefits paid | \$2,308,748,000 | \$2,316,713,000 | \$2,311,697,000 | \$2,331,783,000 | \$2,392,919,000 | \$2,404,364,000 | \$2,430,746,000 | | | |
| 19.2 Average amount of workers' compensation paid per covered worker | \$866 | \$856 | \$840 | \$827 | \$825 | \$789 | \$774 | | | |
| Indicator 20. Low Back Disorder ¹ | | | | | | | | | | |
| 20.1 Number of hospitalizations involving surgery for work-related low back disorders | 991 | 941 | 518 | 677 | 548 | | | | | |
| 20.2 Rate of hospitalizations involving surgery for work- related low back disorder, per 100,000 employed persons | 31.2 | 30.1 | 16.3 | 21 | 16.8 | | | | | |
| 20.3 Number of hospitalizations for work-related low back disorders | 1,128 | 1,069 | 775 | 794 | 653 | | | | | |
| 20.4 Rate of hospitalizations for work-related low back disorders, per 100,000 employed persons | 35.5 | 34.2 | 24.3 | 24.7 | 20 | | | | | |
| Indicator 21. Asthma among Adults Caused or Ma | de Worse by W | ork (Not availat | ole for WA) ² | | | | | | | |
| 21.1 Estimate of the number of ever-employed adults with asthma who report that their asthma was caused or made worse by work exposures | NA | NA | NA | NA | NA | NA | NA | | | |
| 21.2 Estimated proportion of ever-employed adults with asthma who report that their asthma was caused or made worse by work exposures | NA | NA | NA | NA | NA | NA | NA | | | |
| Indicator 22. Work-Related Severe Traumatic Injur | y Hospitalizatio | ns ¹ | | | | | | | | |
| 22.1 Number of hospitalizations for work-related severe traumatic injury | 460 | 443 | 434 | 428 | 408 | | | | | |
| 22.2 Rate of hospitalizations for work-related severe traumatic injury, per 100,000 employed persons | 14.5 | 14.2 | 13.6 | 13.3 | 12.5 | | | | | |
| Indicator 23. Influenza Vaccination Coverage Amo | ong Healthcare | Personnel (ado | pted in 2014) | | | | | | | |
| 23.1 Percentage of Healthcare Personnel (HCP) who have Received an Influenza Vaccination | | | | | 87.6% | 87.1% | 88.9% | 89.8% | | |
| Indicator 24. Occupational Heat-Related ED Visits | (adopted in 20 | 14 as an option | al indicator, not | t available for \ | WA) ² | | | | | |
| 24.1 Number of ED visits for occupational heat-related illness | | | | | NA | NA | NA | | | |
| Indicator 25. Hospitalizations for or with occupati | onal eye injurie | s (adopted in 2 | 016) | | | | | | | |
| 25.1 Number of hospitalizations with occupational eye injuries | | | | | | | 25 | | | |
| 25.2 Rate of hospitzalizations with occupational eye injuries per 100,000 employed persons | | | | | | | 0.7 | | | |

¹This indicator, based on International Statistical Classification of Disease (ICD) codes, is undergoing revisions to accommodate the transition in October 2015 from version ICD-9 to ICD-10. Data will be updated once revision is complete.

²The data for this indicator are not available (NA) for WA. See CSTE indicator website for data from other states: https://www.cste.org/page/OHIndicators