

# SAFETY PERFORMANCE

IN THE WESTERN AUSTRALIAN  
MINERAL INDUSTRY 2019-20

## INJURIES BY AREA



921 of the 1,109 LTIs and RWIs which occurred during surface mining operations were classified as serious

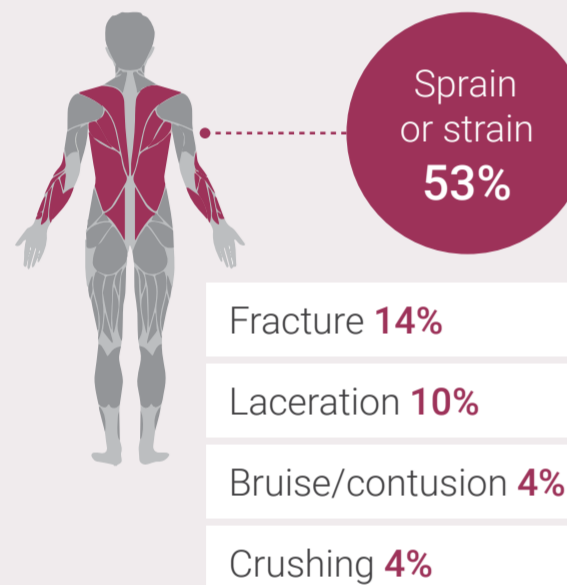


156 of the 190 LTIs and RWIs which occurred during underground mining operations were classified as serious

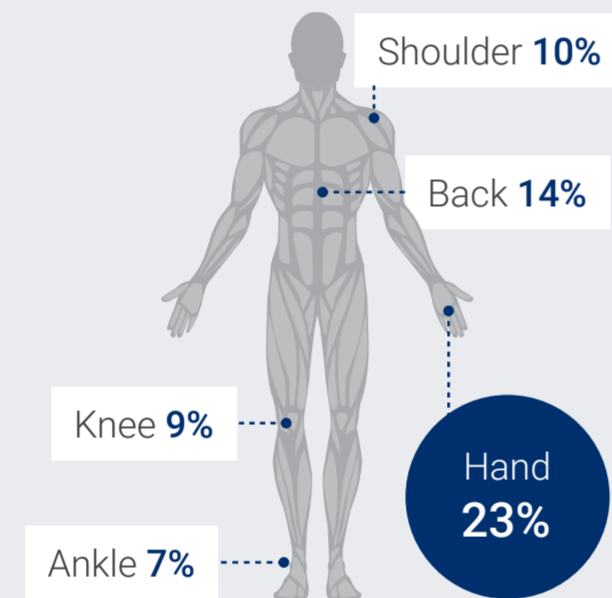


41 of the 54 LTIs and RWIs which occurred during exploration operations were classified as serious

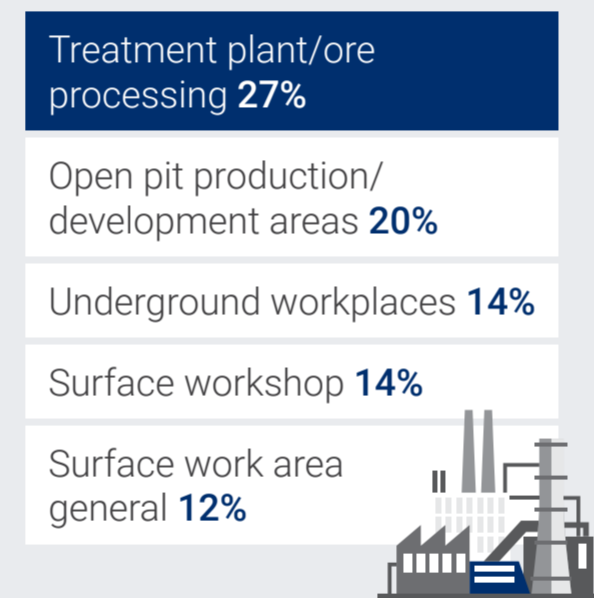
## Nature of injury\* (top 5)



## Part of body\* (top 5)

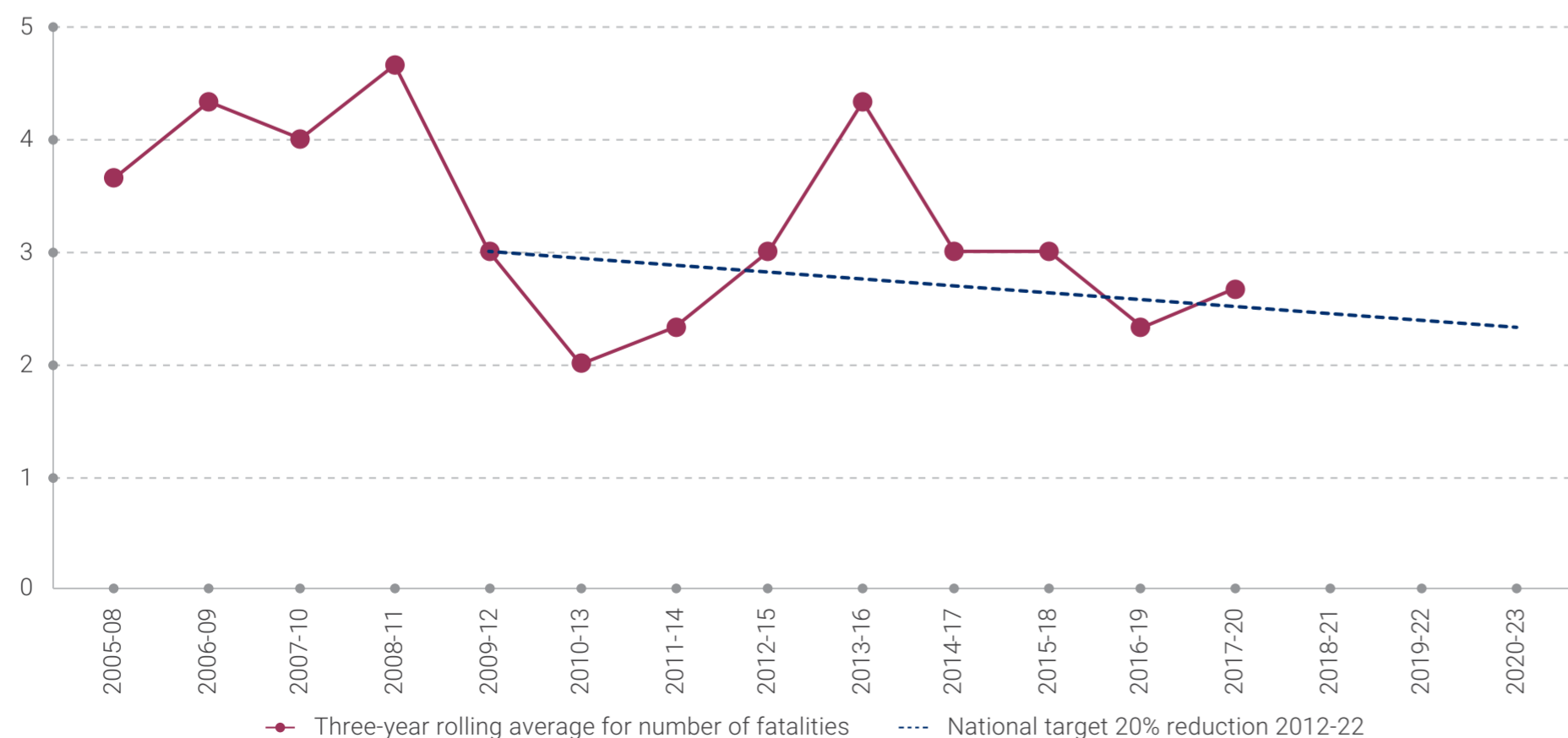


## Location\* (top 5)

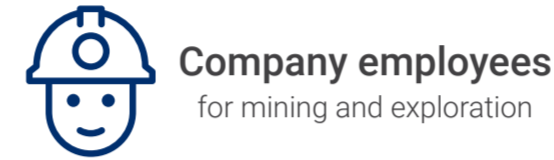


\* Note: For mining and exploration, includes LTIs and RWIs

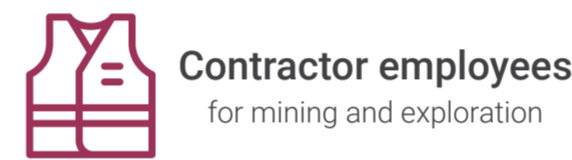
## MINING AND EXPLORATION FATALITIES THREE YEAR ROLLING AVERAGE



## Employees and contractors



49,973 workers worked  
44% of hours  
785 injuries reported



85,755 workers worked  
56% of hours  
568 injuries reported

## LTIFRs

### Mining



3% decrease in LTIFR for iron ore sector to 1.6

34% increase in LTIFR for gold sector to 2.0

22% decrease in LTIFR for nickel sector to 1.9

26% decrease in LTIFR for bauxite and alumina sector to 5.1

### Exploration



14% increase in LTIFR to 4.2

## RWIFRs

### Mining



9% decrease in RWIFR for iron ore sector to 3.0

15% increase in RWIFR for gold sector to 4.8

10% increase in RWIFR for nickel sector to 6.0

8% increase in RWIFR for bauxite and alumina sector to 11.2

### Exploration



18% decrease in RWIFR to 3.9

For more detailed information on safety performance, see the annual compilations at [www.dmirs.wa.gov.au](http://www.dmirs.wa.gov.au)

National target for fatalities from *The Australian Work Health and Safety Strategy 2012-2022* available on Safe Work Australia website.

## Fatal accidents



2 fatal accidents

### Mining

A 57 year old truck driver was fatally injured when the mechanism used to open and close a tarpaulin cover on a road train trailer failed, while he was in the process of closing the cover. He was operating it by a switch adjacent to the trailer's front end.

The top roller bar of the cover-closing system broke, and the supporting arm it was attached to at the front of the trailer swung through a downwards arc, ending near the location of the switch. It appears it may have struck the driver. The driver was found unconscious, and later died in hospital.

#### Related safety alert

Mines Safety Significant Incident Report No. 278 *Trailer tarpaulin cover mechanism fracture - fatal accident*

A 64 year old contractor received fatal crush injuries in an incident involving the telehandler he was operating at a mine. It appears the worker may have been trying to exit the telehandler when he fell to the ground. The vehicle continued to move, and while apparently attempting to regain control of it the individual became caught and crushed between the vehicle and a fence. Medical care was provided, but the worker later died in hospital.

## DEFINITIONS

### Lost time injury (LTI)

Work injury that results in an absence from work for at least one full day or shift any time after the day or shift on which the injury occurred.

### Lost time injury frequency rate (LTIFR)

Number of lost time injuries per million hours worked

### Serious injury

Work injury that results in the injured person being disabled for a period of two weeks or more

### Restricted work injury (RWI)

Work injury (not an LTI) that results in alternative duties being worked for at least one full day or shift any time after the day or shift on which the injury occurred.

### Restricted work injury frequency rate (RWIFR)

Number of restricted work injuries per million hours worked