

SAFETY PERFORMANCE

IN THE WESTERN AUSTRALIAN MINERAL INDUSTRY 2020-21



Government of Western Australia
Department of Mines, Industry Regulation and Safety



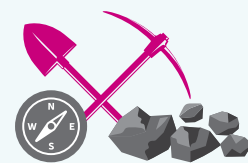
INJURIES BY AREA



911 of the 1,092 LTIs and RWIs which occurred during surface mining operations were **classified as serious**

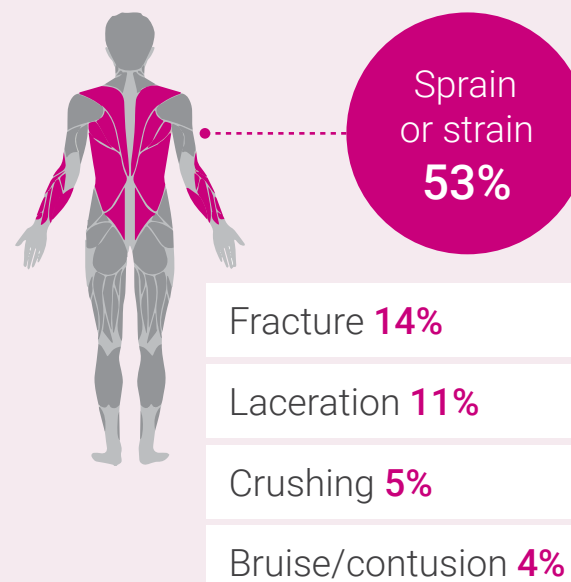


173 of the 217 LTIs and RWIs which occurred during underground mining operations were **classified as serious**

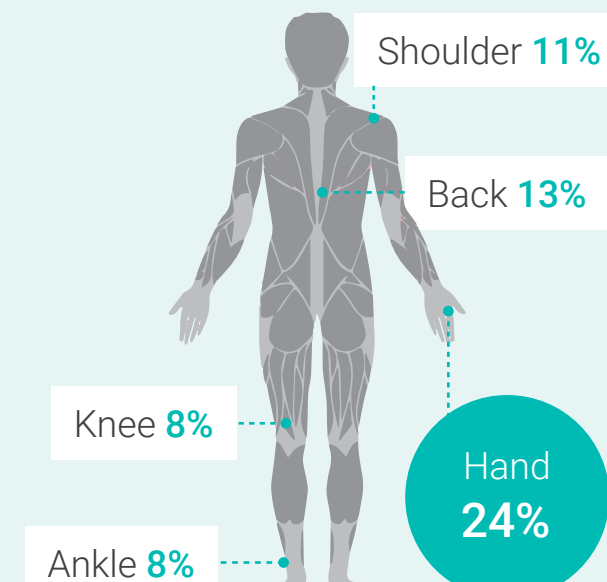


41 of the 60 LTIs and RWIs which occurred during exploration operations were **classified as serious**

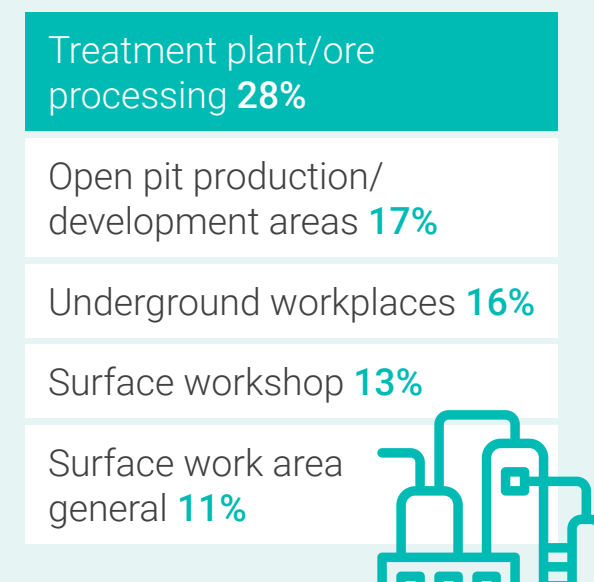
Nature of injury* (top 5)



Part of body* (top 5)

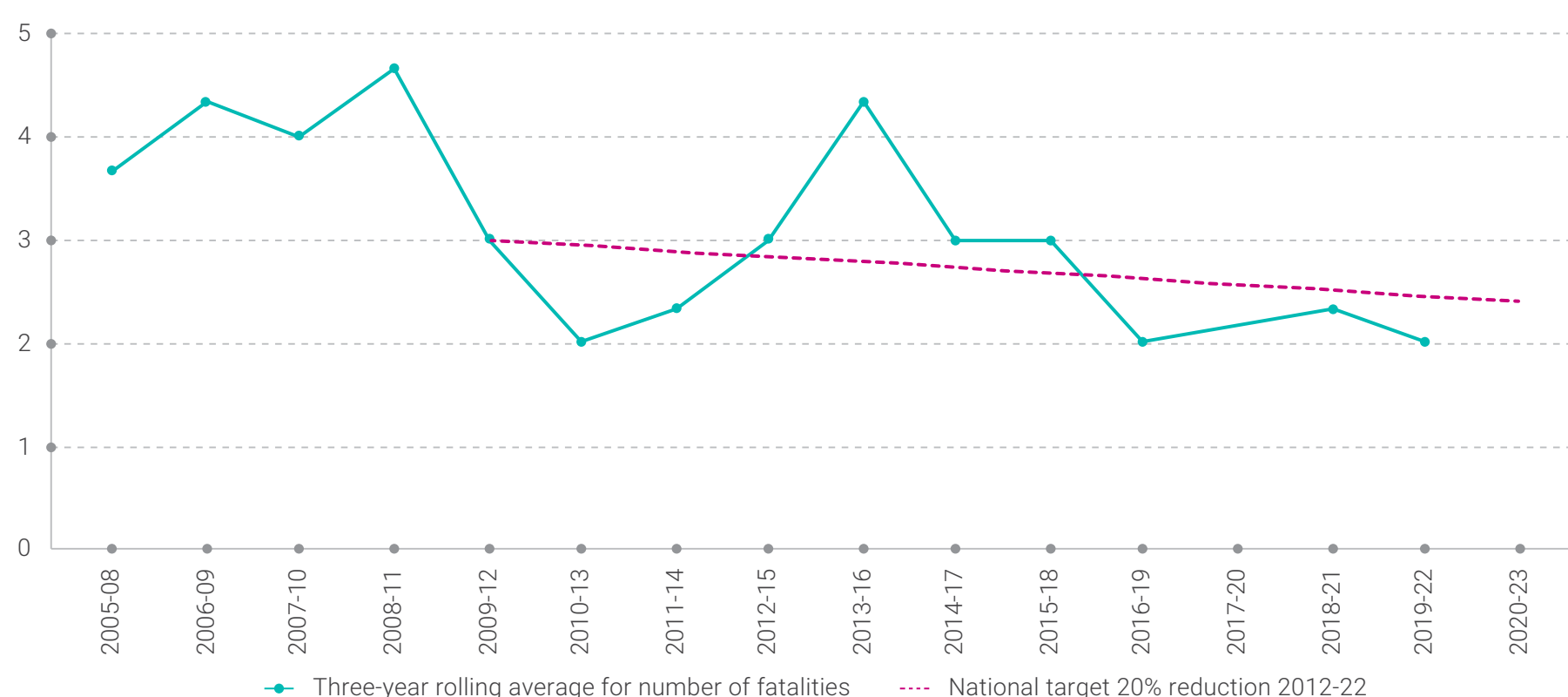


Location* (top 5)



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

MINING AND EXPLORATION FATALITIES THREE YEAR ROLLING AVERAGE



Employees and contractors



Company employees
for mining and exploration

53,847 workers worked
42% of hours
798 injuries reported



Contractor employees
for mining and exploration

94,525 workers worked
58% of hours
571 injuries reported

RWIFRs

Mining



17% decrease in RWIFR for iron ore sector to 2.5
2% increase in RWIFR for gold sector to 4.9
26% decrease in RWIFR for nickel sector to 4.4
10% decrease in RWIFR for bauxite and alumina sector to 10.1

Exploration



33% increase in RWIFR to 5.1

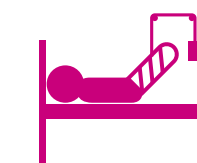
LTIFRs

Mining



32% decrease in LTIFR for iron ore sector to 1.1
14% increase in LTIFR for gold sector to 2.2
6% increase in LTIFR for nickel sector to 2.1
38% increase in LTIFR for bauxite and alumina sector to 7.0

Exploration



51% decrease in LTIFR to 2.0

Fatal accidents



2 fatal accidents

Mining

A 25 year old underground truck operator was out of her vehicle, walking in the underground decline after her truck had broken down. At this time, another truck was tramping up the decline and struck the operator who sustained fatal injuries.

A 38 year old underground bogger operator sustained fatal injuries when his bogger fell into an open stope. Markings labelled "bund" were observed on the walls either side of the drive at a distance of six metres from the stope edge. There were no delineators or other markings in the drive to indicate distance to the stope edge. This is the third fatality in WA mines since 2000 as a result of bidders falling into stopes.

Related safety alert

Mines Safety Significant Incident Report No. 283 *Manned loader falls into open stope – fatal accident*

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

For more detailed information on safety performance, see the annual compilations at www.dmir.wa.gov.au

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