



# Safety and Health Performance in the Mining Industry

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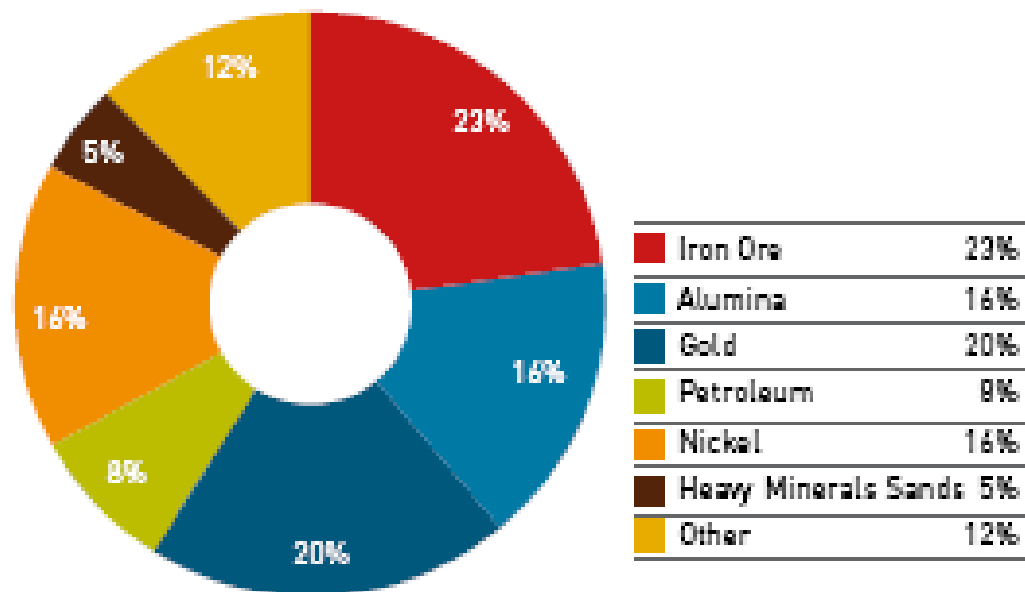
## Overview of Presentation

- Mining in WA - Context and Overview
- Safety performance of mining vs. all industries
- WA mining vs. all other jurisdictions
- Fatalities and injuries in the WA mining industry
- The way forward

## Mining in Western Australia - Overview

- In 2005-06, the value of WA's mineral and petroleum industry reached \$43.2 billion
- Broad diversity of minerals available
- Both surface and underground mining

## Employment in the WA resources industry

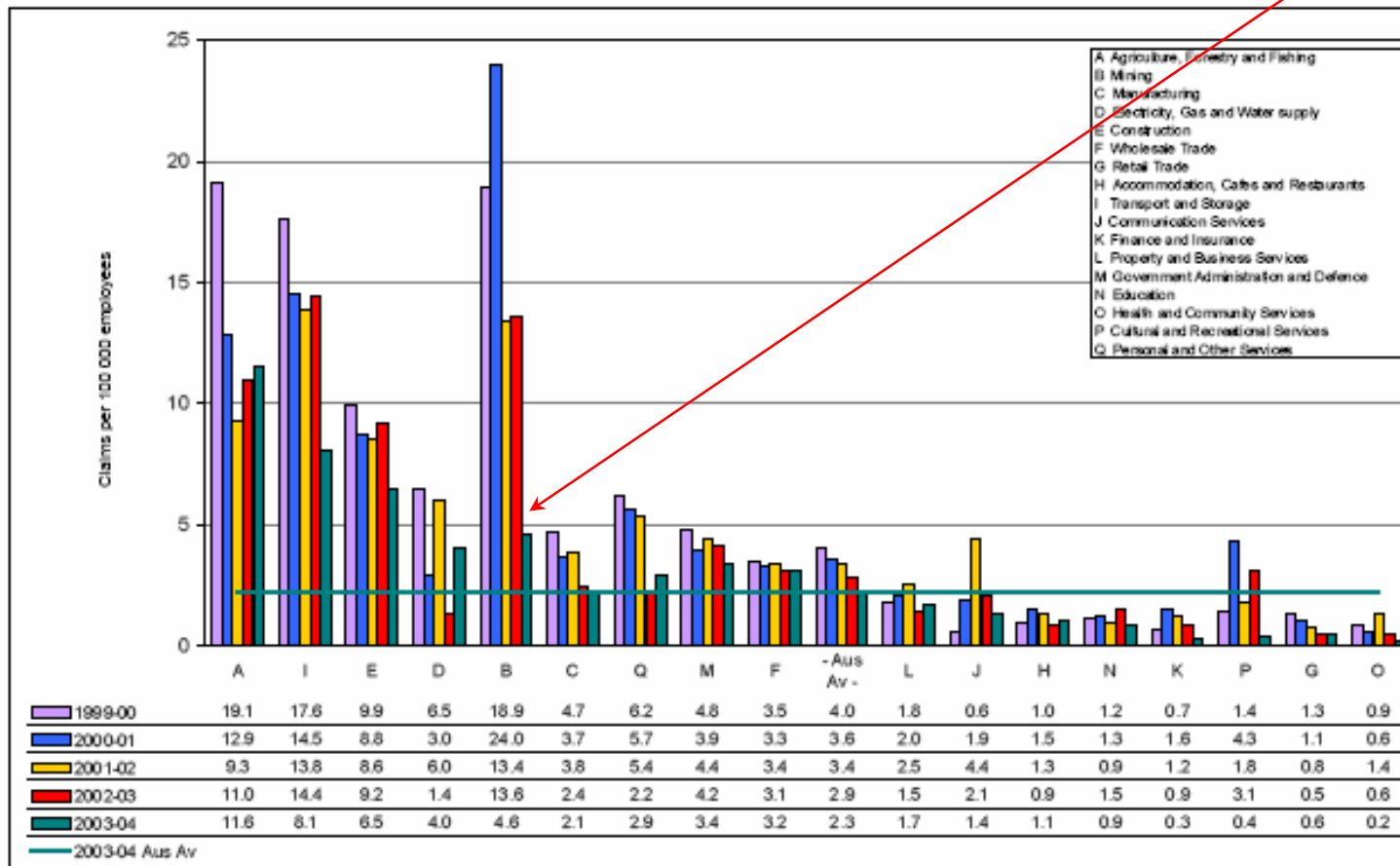


- In 2005-06, 61 278 persons directly employed
- Represents 8% of total work force
- Increase in all sectors except for gold

# Safety performance: Mining vs. All industries (Compensated fatalities)

Incidence rate of compensated fatalities by industry

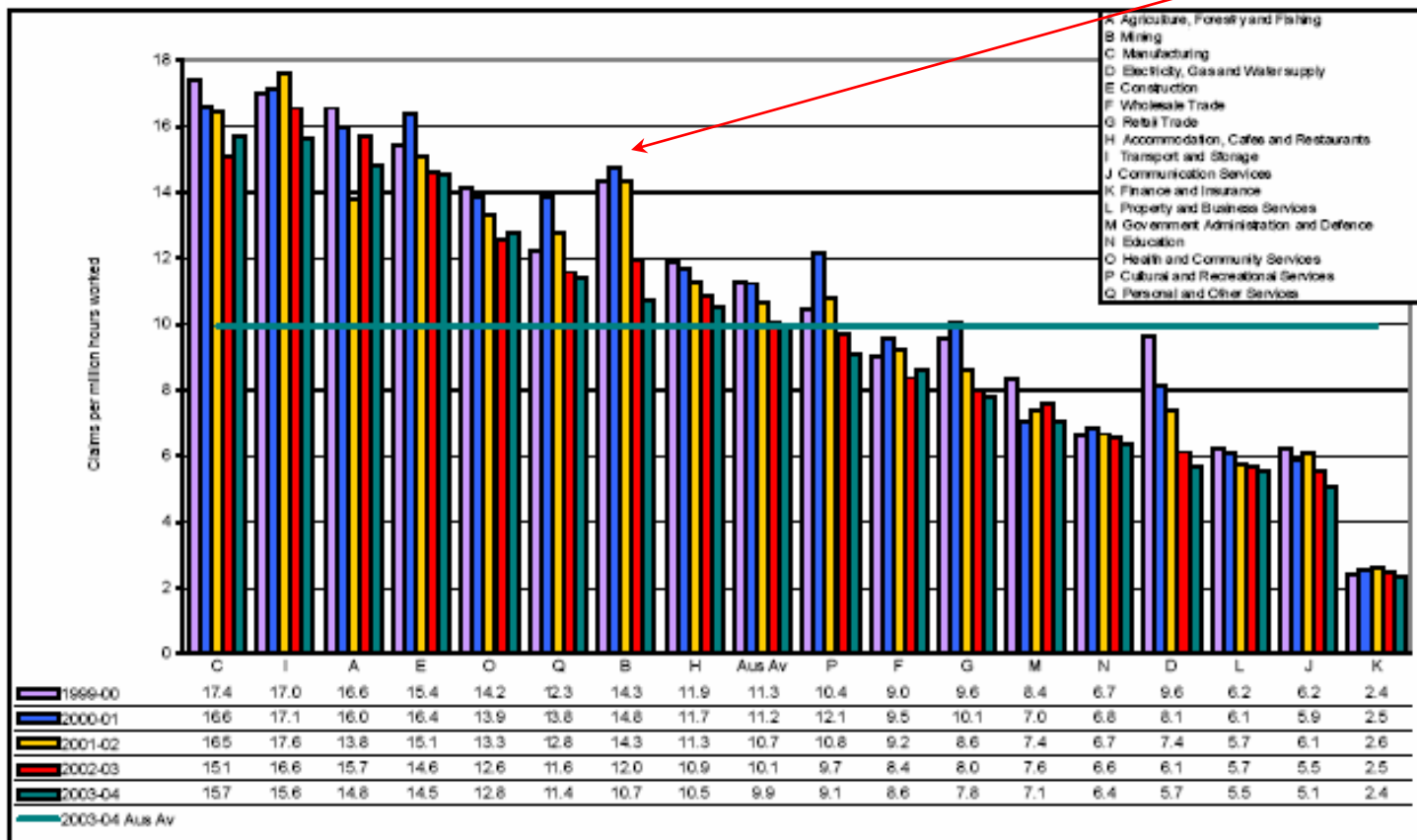
Mining Industry



# Safety performance: Mining vs. All industries (Compensated Claims)

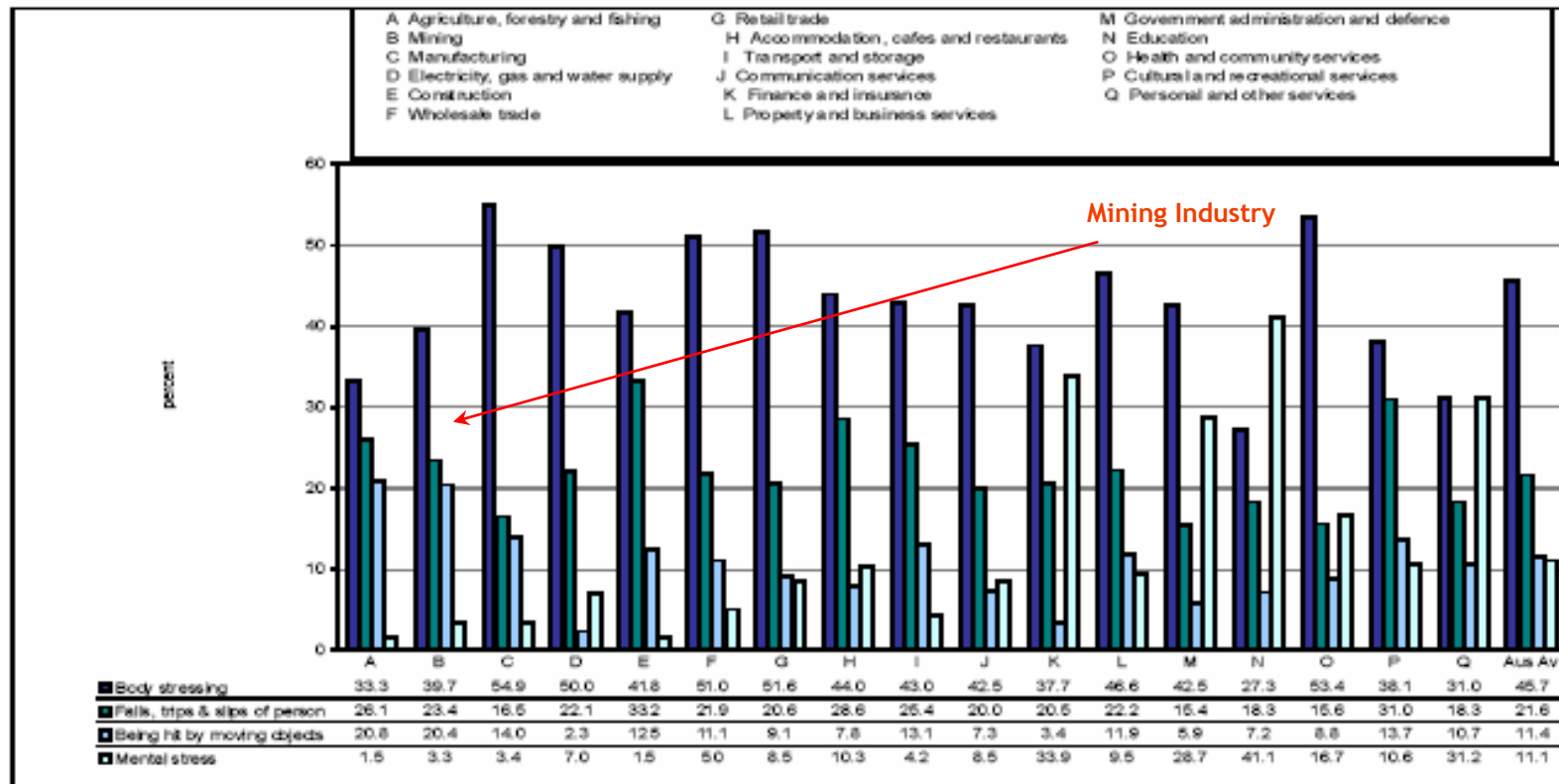
Frequency rate of compensated claims resulting in 1 week or more compensation by industry

Mining Industry



# Safety Performance: Mining vs. All Industries (Mechanism of injury/disease)

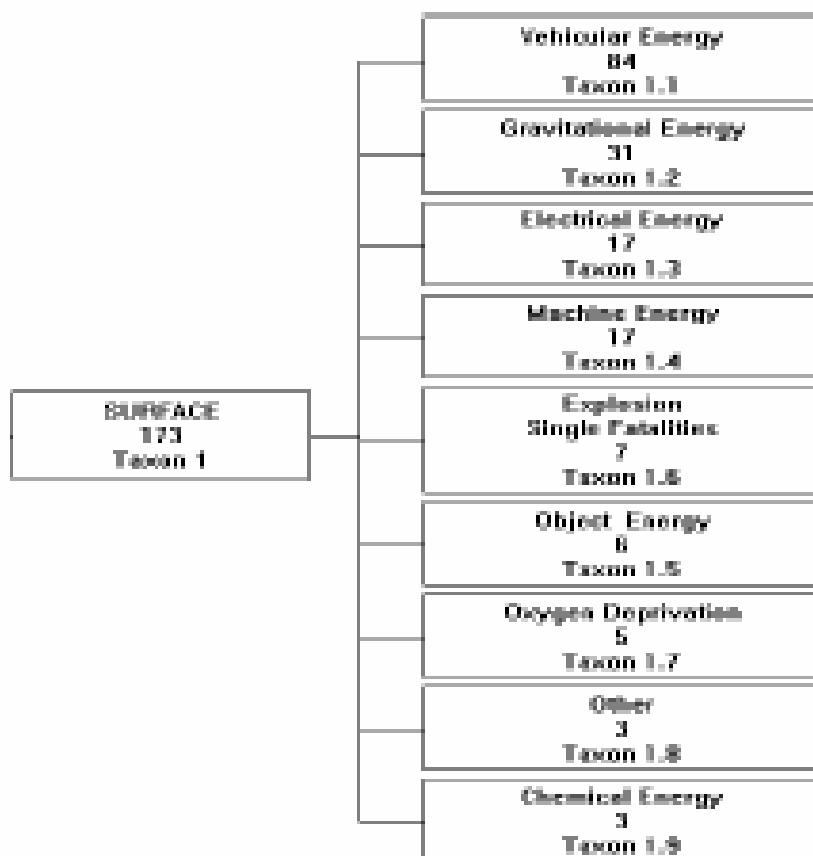
Percentage of claims resulting in 12 weeks or more compensation by industry, by selected mechanism of injury/disease



## WA Mining - Fatalities

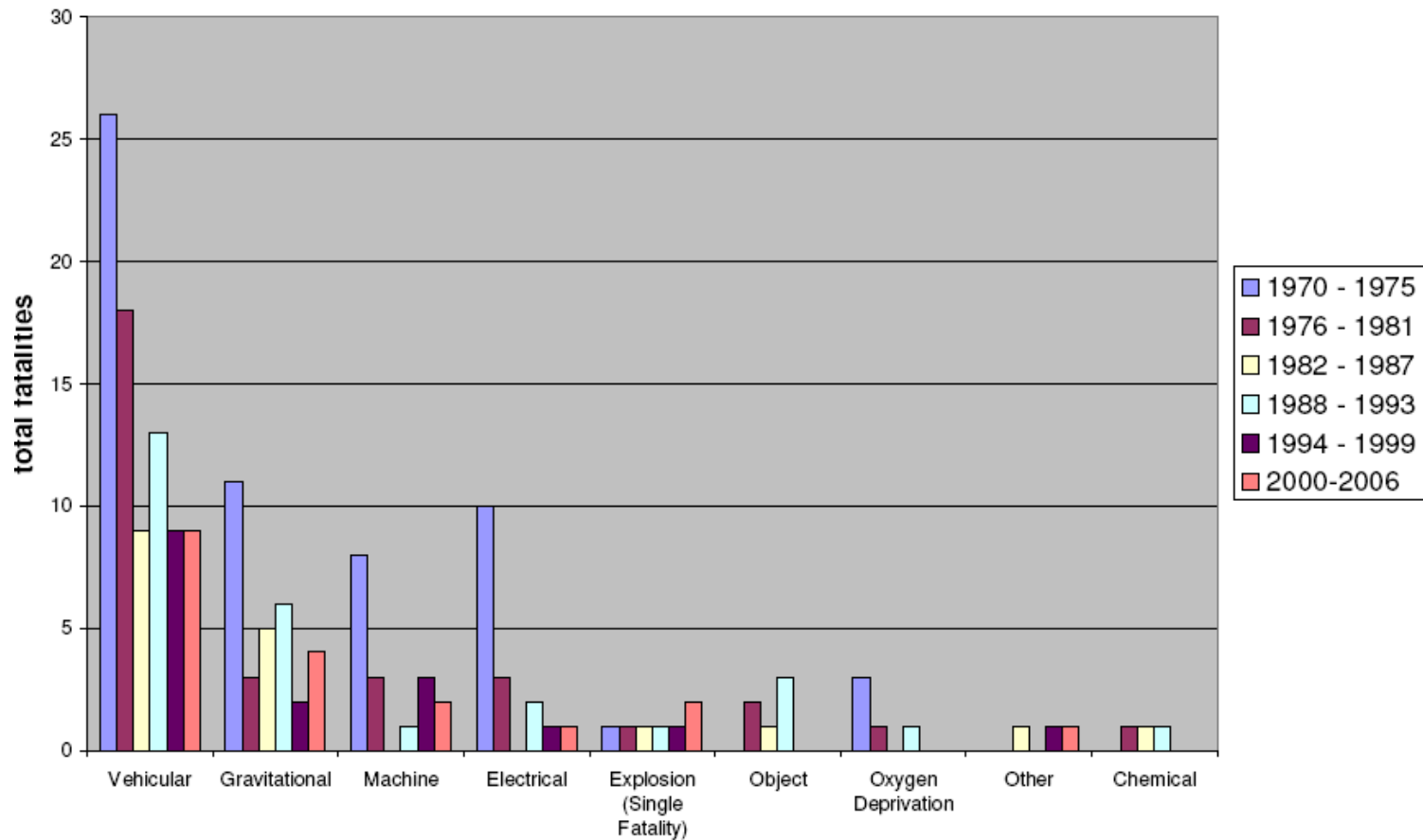
- Total of 306 fatalities recorded from 1970-2006 in the WA mining industry.
  - 173 fatalities in the surface environment
  - 133 fatalities in the underground environment
- The majority of deaths were concentrated in the gold, nickel and iron ore industries.

## WA Mining - Fatalities (Surface)

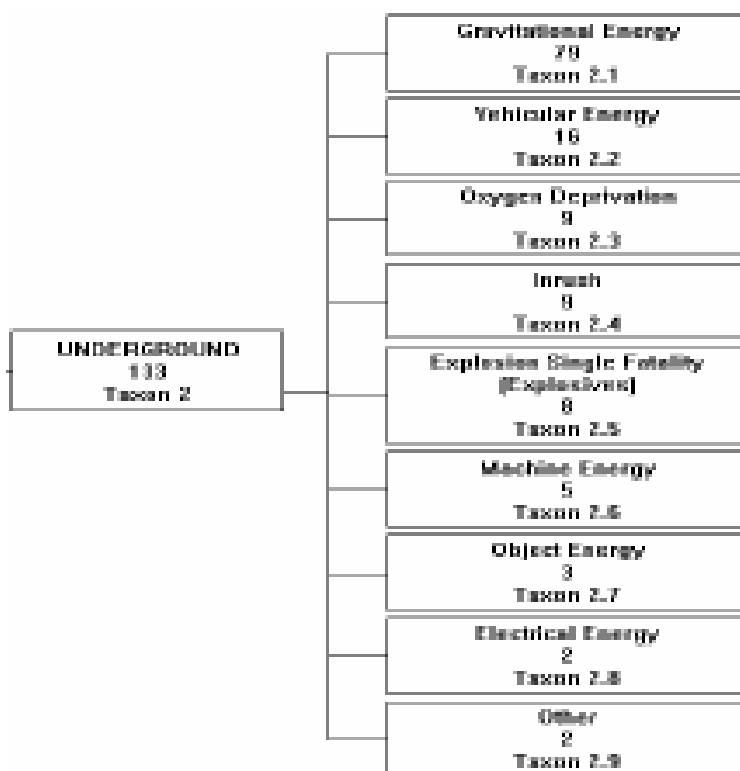


- 173 surface fatalities
- Main mechanism involved in surface fatalities is vehicular energy (ie. Vehicle hits another vehicle, vehicle overturns etc)
- Gravitational energy second highest (ie. People falling, objects falling)

# Principal Energies - Surface

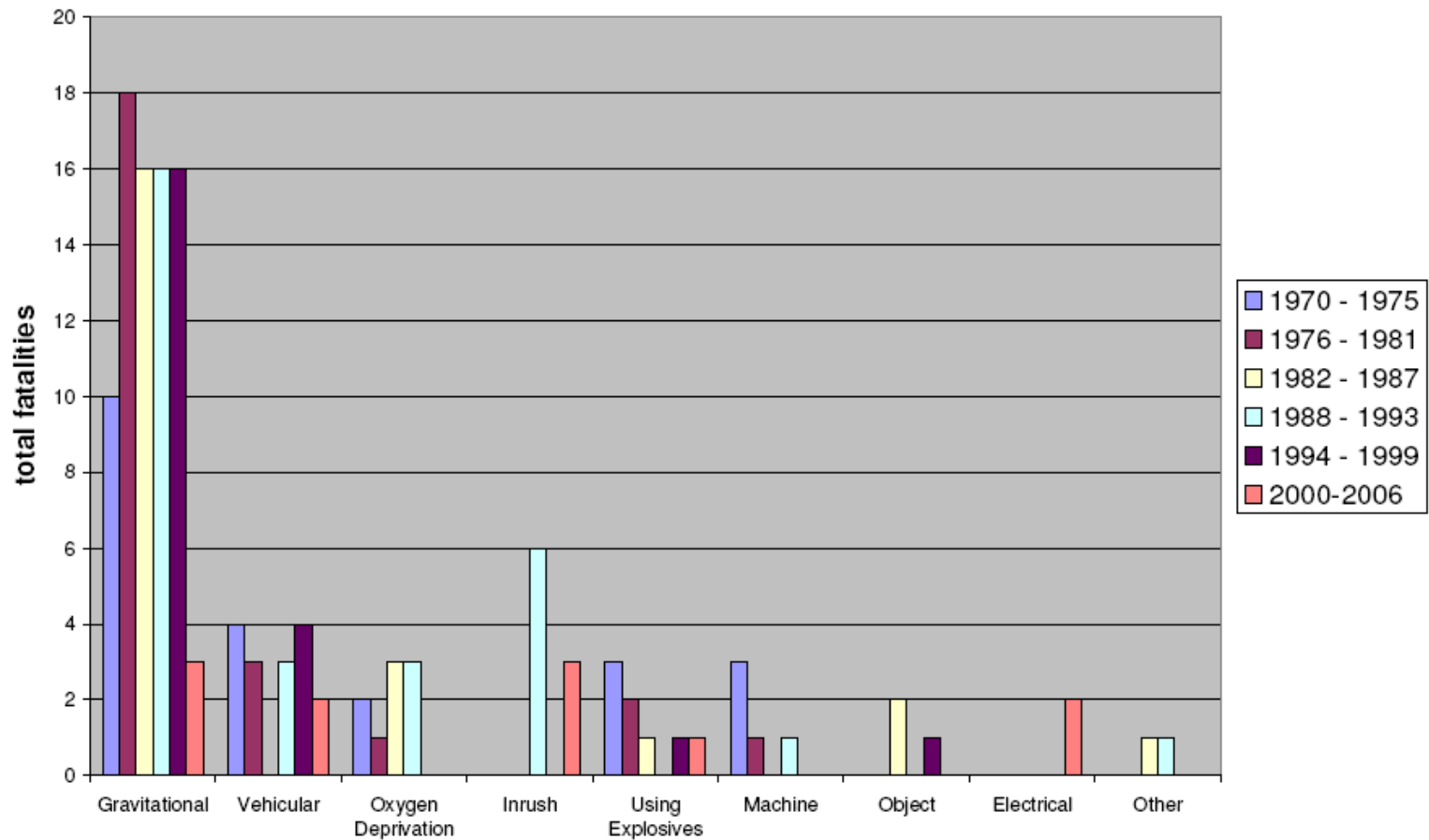


## WA Mining - Fatalities (Underground)



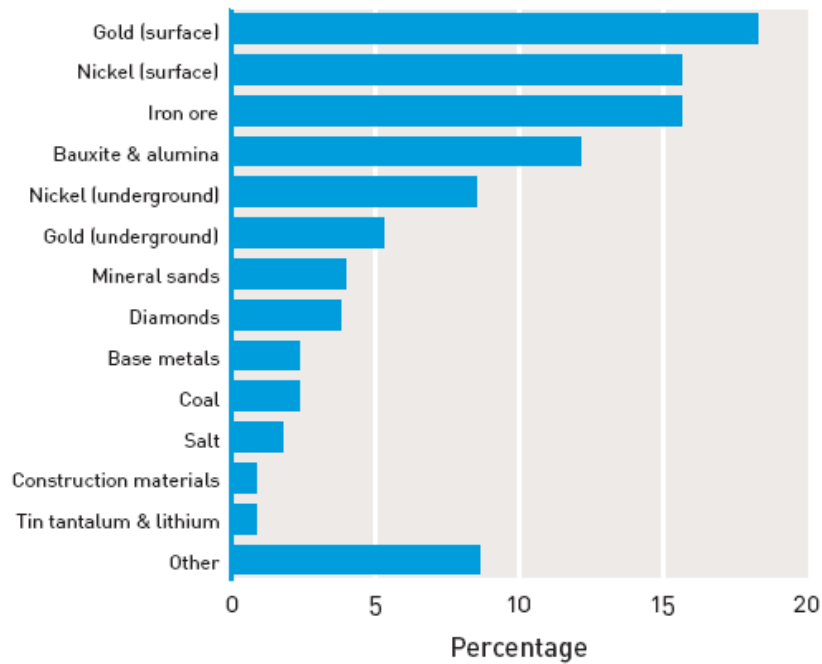
- 133 fatalities in the underground environment
- Main mechanism involved in surface fatalities is gravitational energy (ie. People falling, objects falling)

# Principal Energies - Underground

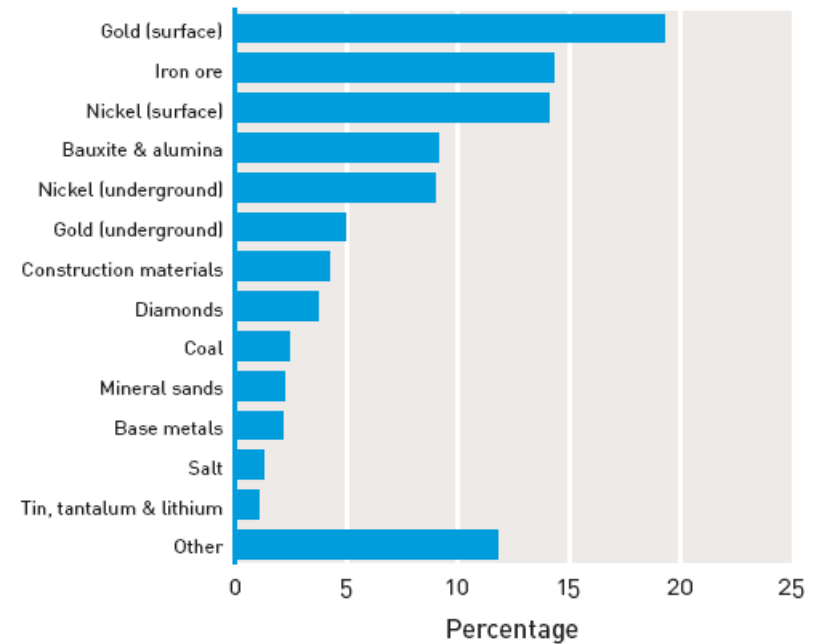


## WA Mining - Industry breakdown of injuries

Industry of Incident

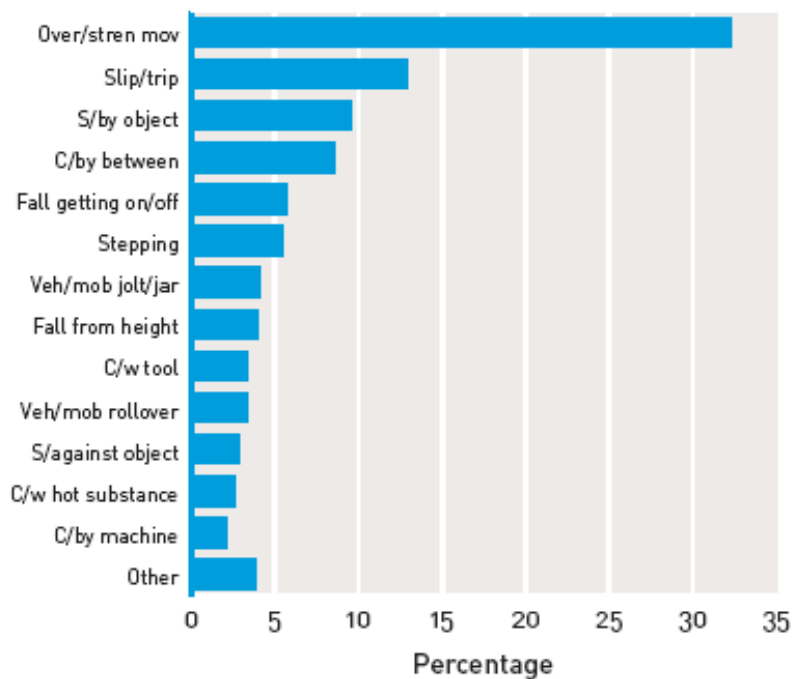


Work days lost by industry

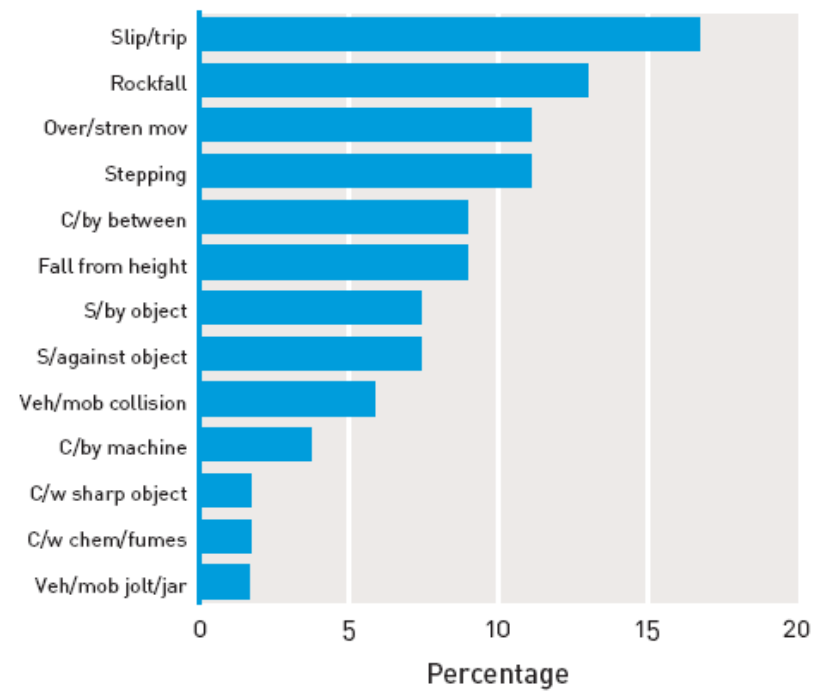


## WA Mining - Type of accident

Surface

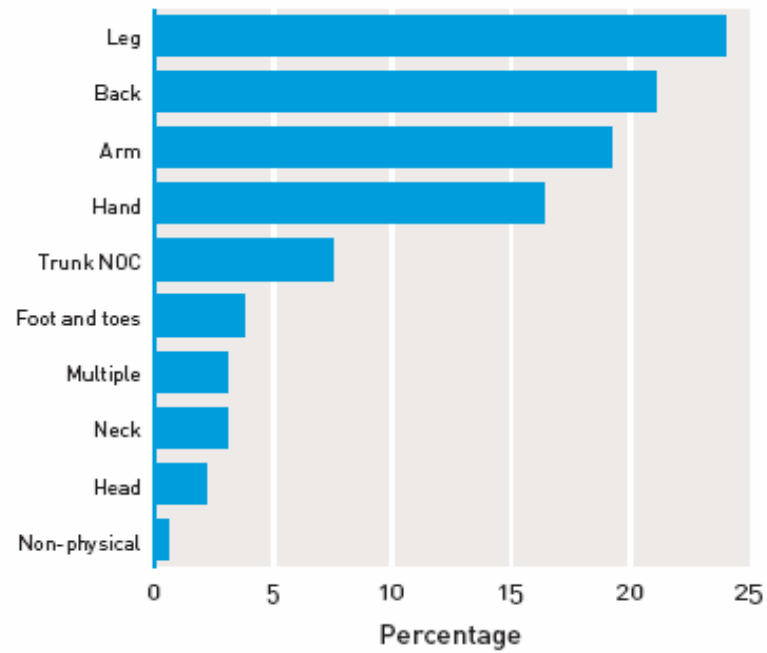


Underground

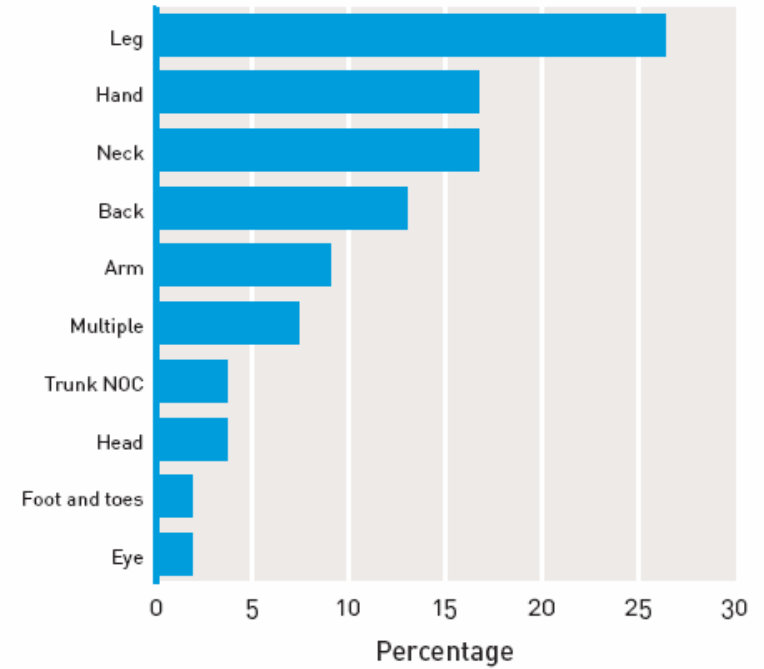


## WA Mining - Part of body

Surface

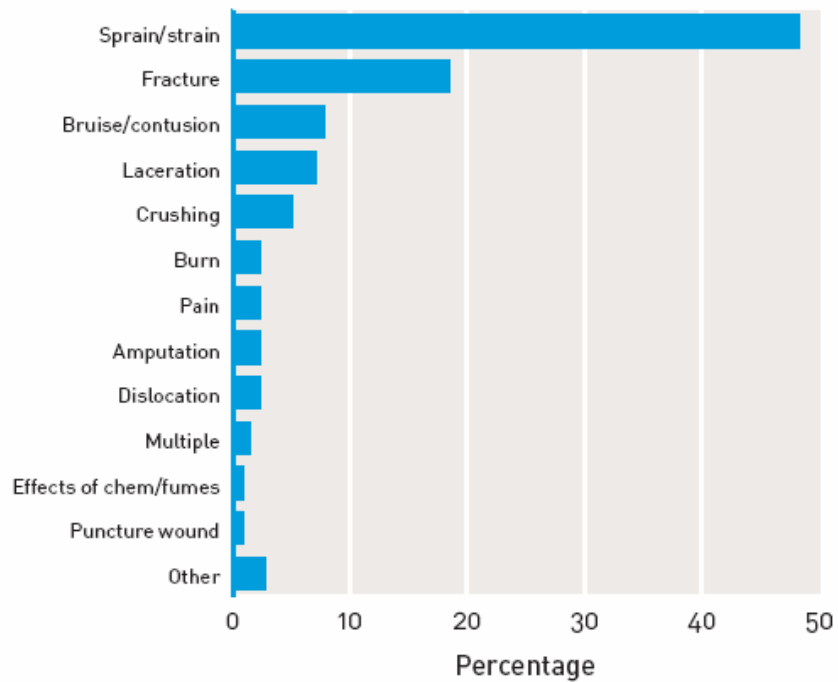


Underground

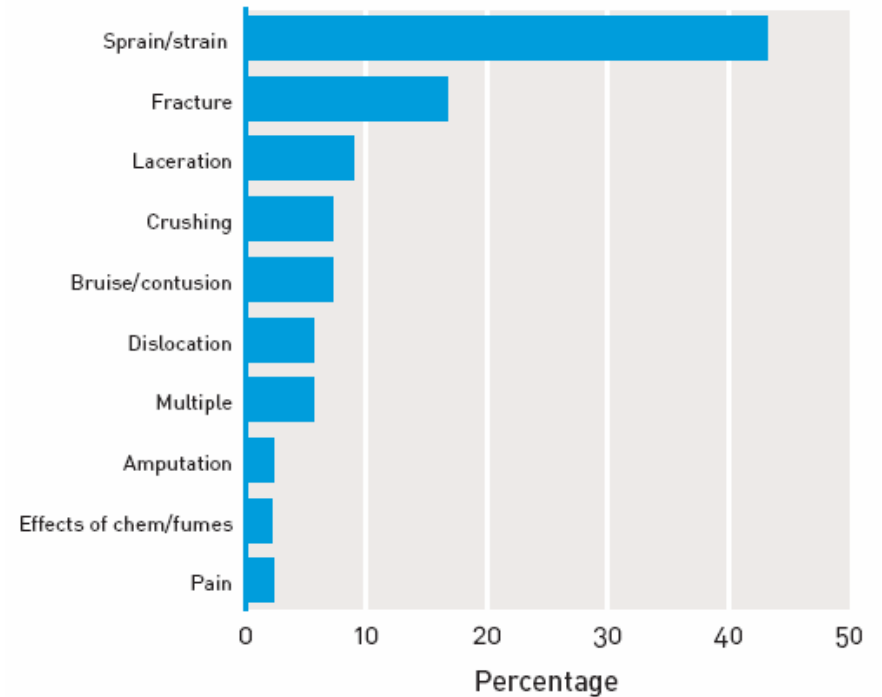


## WA Mining - Nature of injury

Surface



Underground



## How is safety managed

- Extensive safety management systems
- Personal risk awareness programs - ie Take 5
- Behavioural observation program
- Feasibility study of a Safety Case Regime in WA mining and mineral processing



**For further information please contact:**

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