



#### January February NZ – Work related fatalities March April These totals include work-related deaths resulting from the February 2011 Christchurch earthquake and the December 2019 Whakaari volcanic eruption. 140 120 110 100 79 80 69 65 64 63 59 59 60 40 28 20 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 Full year data

10

**Highest value** 

Feb 2023



Lowest value

May 2022

**FATALITIES** 

MONTH

May 2022 to Apr 2023

5.3

Average per month

May 2022 to Apr 2023

63

Total

## NZ - Health related fatalities

- •Work-related health deaths are estimated at 750-900 a year.
- •There are an estimated **5,000-6,000** hospitalisations each year due to work-related ill-health.
- •A worker is **15** times more likely to die from a work-related disease than from a workplace accident.

#### **FATALITIES**

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### 63 fatalities

From May 2022 to Apr 2023

MOST COMMON FACTOR
INVOLVED IN INJURIES
RESULTING IN MORE THAN A
WEEK AWAY FROM WORK

Muscular Stress While Lifting, Carrying or Putting Down Objects.

From Apr 2022 to Mar 2023

INJURIES RESULTING IN MORE THAN A WEEK AWAY FROM WORK

### **33,435** injuries

From Apr 2022 to Mar 2023

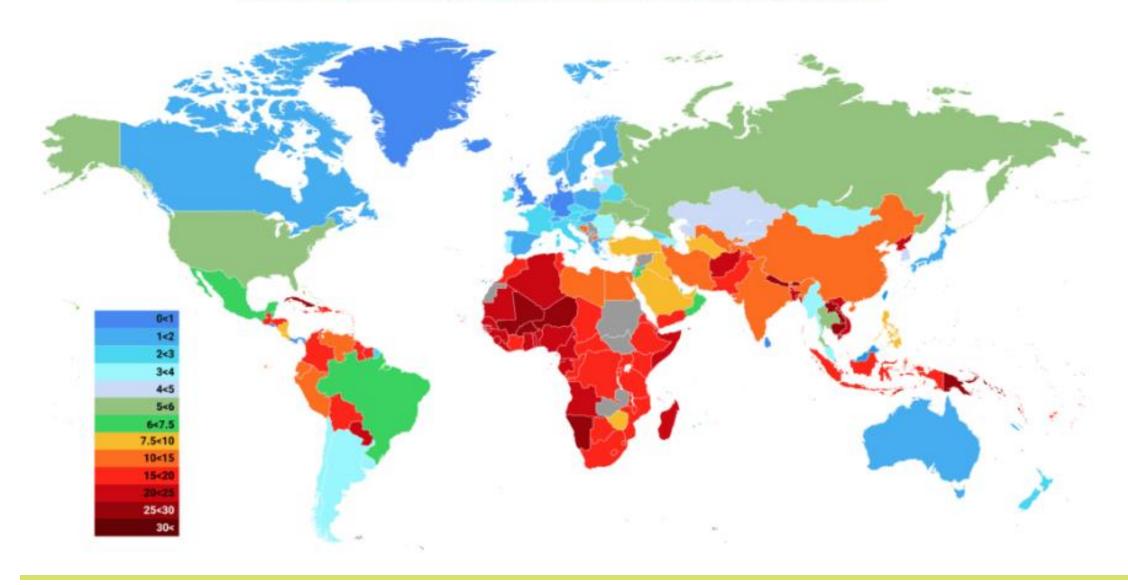
WORK-RELATED HEALTH
DEATHS ARE ESTIMATED AT

### 750-900 a year

WorkSafe has revised its workrelated health estimates, and has also worked on a measure of the quality and length of life lost to injuries and illness

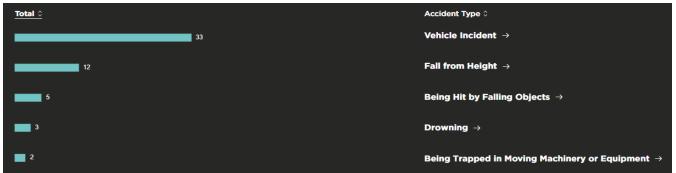


### How Do Workplace Fatality Rates per 100,000 Workers Change Across the Globe?



# Full year fatality data by sector & type





## Fatality data.....Extractives

Workplace Fatalities - Extractives generally 1 per year

Fatality Rate - The rate is **calculated** as fatalities per 100000 workers

(or some use number of fatal **work** injuries x 200,000,000/total hours worked).

Either calculation gives a fatality rate of about 16 for the extractives industry



#### Health related fatalities

use those numbers x15 and you might extrapolate 15 health related deaths
 Compulsory Health checks have now commenced
 First notification of chronic silicosis for two workers at a quarry site

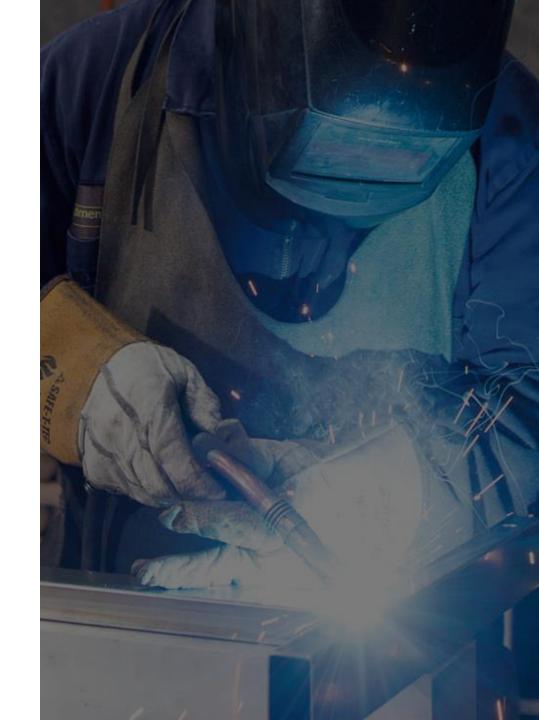


# **Healthy Work**

Carcinogens and airborne risks

Learn about identifying and controlling carcinogens and airborne risks at one of our WorkSafe roadshows being held around New Zealand between 20 September and 15 November 2022.

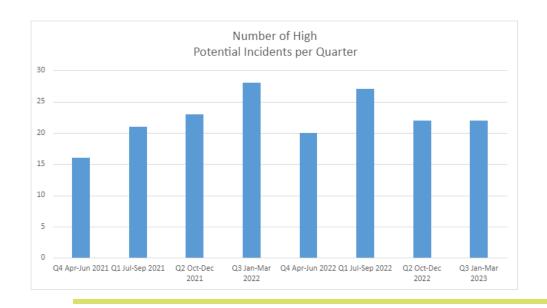
These interactive roadshows include a focus on asbestos, silica, welding fume, and wood dust, with the opportunity to engage with our team and subject matter experts.



## **HPI** data Extractives

QUARTER	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	G2	Q3	TOTAL
	OCT-DEC	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	JAN-MAR	APR-JUN	JUL-SEP	OCT-DEC	JAN-MAR	PREVIOUS
	2019	2020	2020	2020	2020	2021	2021	2021	2021	2022	2022	2022	2022	2023	12 MONTHS
Number of high potential incidents per quarter	28	34	15	20	24	23	16	21	23	28	20	27	22	22	91

TABLE 6: High potential incidents per quarter

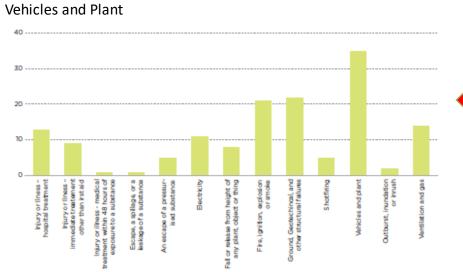


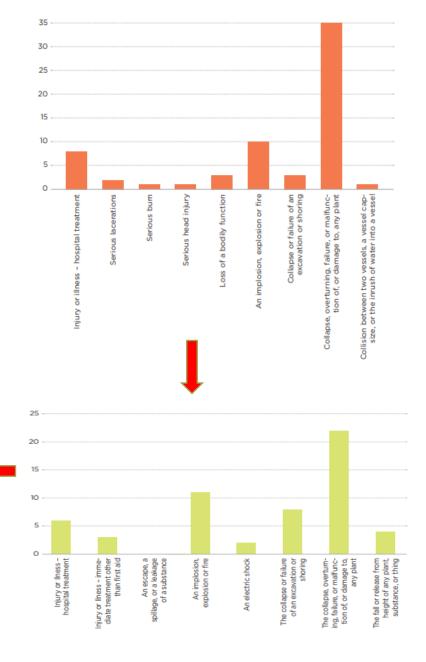
### **High potential incidents**

A high potential incident at a mine, quarry or tunnel is an event, or a series of events, that causes or has the potential to cause a significant adverse effect on the safety or health of a person.



Data now all reported Schedule 5 Collapse overturning, malfunction or damage to any plant now

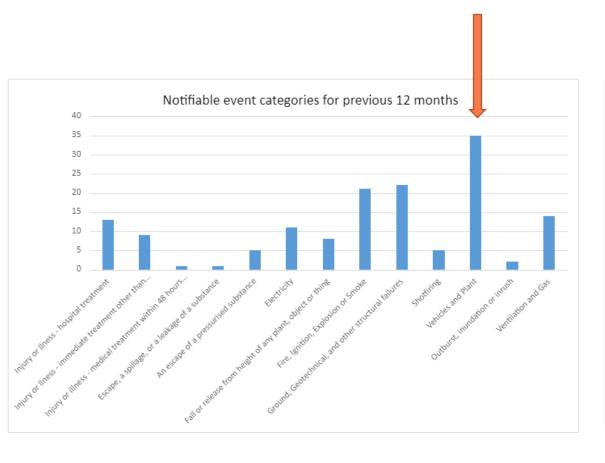


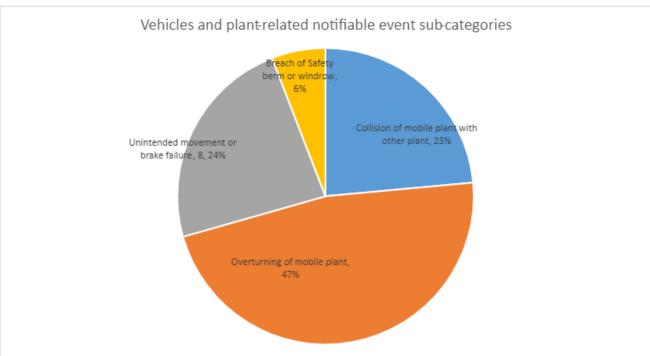






## **Notifiable Events**





#### Alluvial mines

Number of mines that have been verified (57) or have notified of an Appointed Manager to WorkSafe (10) (includes 2 iron sands mines)

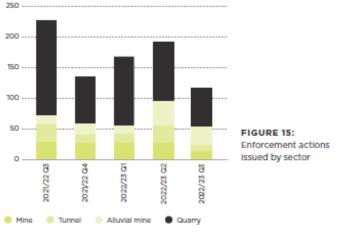
#### Quarries

Number of quarries that have been verified (828) or have notified of an Appointed Manager to WorkSafe but not yet verified (127)

### Inspections Plan vs Actual









## The last year – Lead indicators

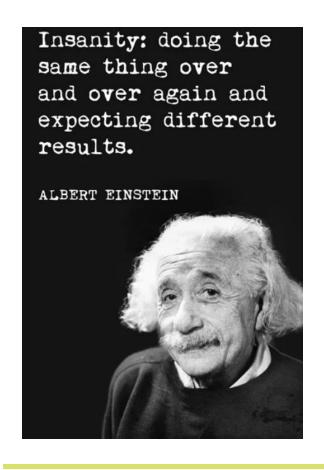
- The introduction of the new regulations. Part 1
- General observations from Inspectors has been good –
- General understanding of Part 1 regulations
- Good attendance at H&S Workshops
- Industry Bund report
- Innovative learning material produced by operators – Videos etc.
- CoC numbers remain stable , pass rates remain stable
- Some good examples of proportionate H&S systems





## Focus on.....

- What we have always done





- What we starting to do and will do more of!

Part 2 Regulations

Introduction of more quality management type processes

RA – worker participation, Principal hazards,

WorkSafe – focus more on education to enable the development of these systems

Audit focus

Improve Sector Competency





### Organizational Risk Management Maturity Chart

### [6]

#### No risk management

- No or little training
- Poor or no communication
- Superficial incident investigation
- Negligence
- Dishonesty
- Hiding of incidents

## Accept that incidents

### Vulnerable

happen

- No "near miss" discussions and analysis
- No plans and procedures

#### Reactive risk management

- Minimum / inconsistent training
- Some communication on need to know basis
- Minimum legal compliance
- Incident investigation but limited analysis

#### Prevent a similar incident

Reactive

- Some "near miss" discussions and analysis
- Few plans and procedures

#### Compliant risk management

- Training / awareness
- Established communication channels
- Total legal compliance

### Prevent incidents before they occur

### Compliant

- Regular people involvement and focus
- Causal incident analysis based on event potential
- Planned monitoring and audits

## Pro-active formal risk assessment

- Ownership culture
- Involvement at all levels
- High level of training / awareness

#### Improve the systems

### Proactive

- Near miss involvement
- Beyond legal compliance
- Seek to actively engineer out inadequacies
- Incident learnings shared with all levels
- Well-designed plans / procedures

# Risk assessment integrated into all systems

 Eliminate problems before they occur

#### Way we do business

Resilient

- Individually internalized
- Integrated management systems
- Self-regulating style
- All threats considered in decision-making
- Systems enhancement through external evaluation / auditing



