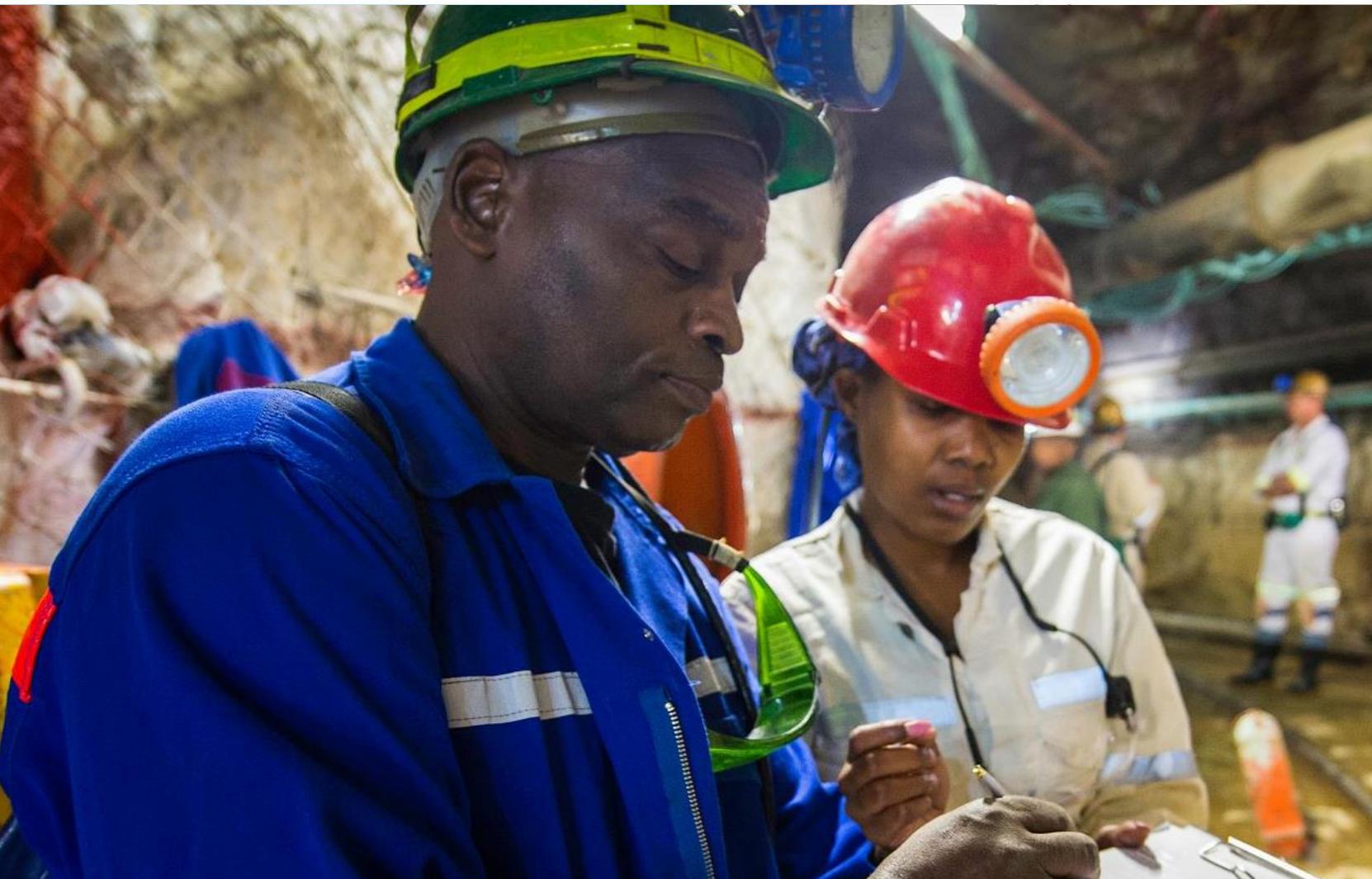




MINERALS COUNCIL
SOUTH AFRICA



Khumbul'ekhaya



THE ROAD TO ZERO HARM KHUMBUL'EKHAYA – REMEMBER HOME

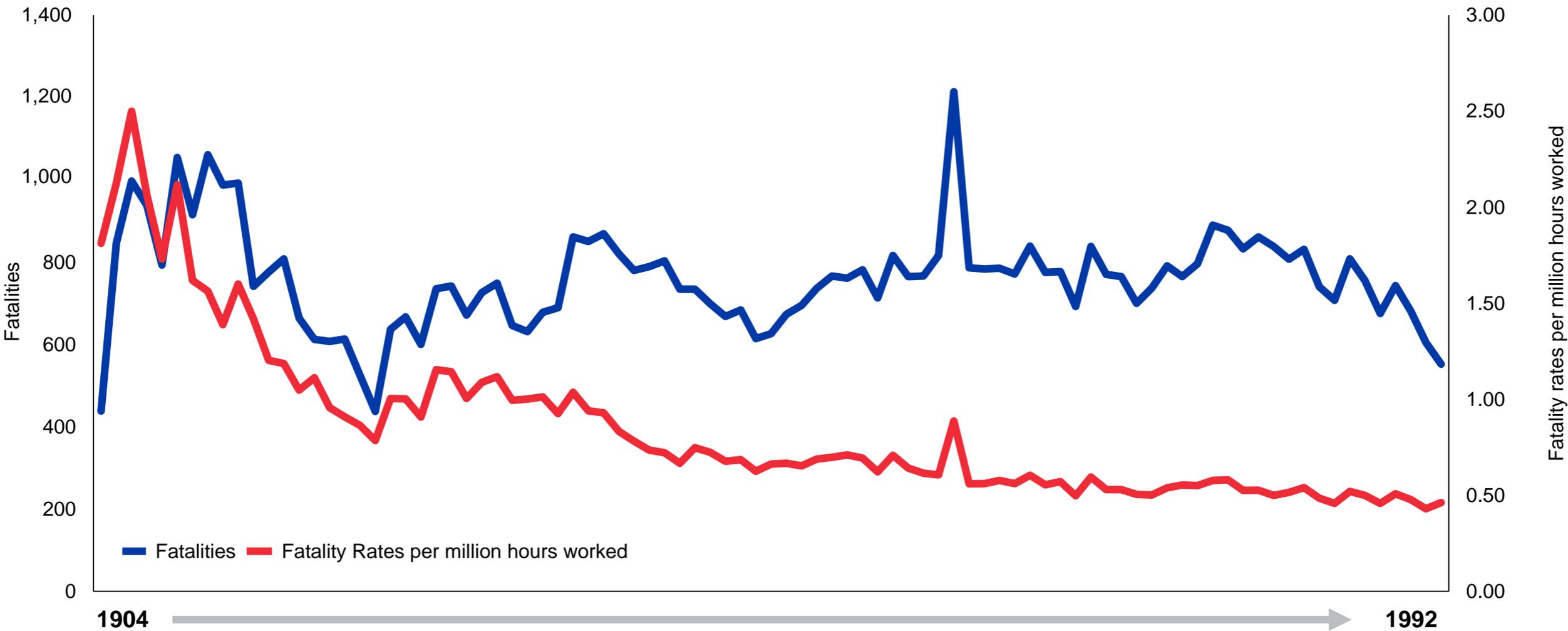
Mxolisi Mgojo, President, Minerals Council South Africa
2 October 2019, Joburg Indaba

COMMITTED TO ZERO HARM

The South African mining industry is committed to **Zero Harm** – every mineworker returning home, unharmed, every day.

Achieving world-class safety and health performance by working in close collaboration with tripartite partners in government and organised labour.

It's been a long road

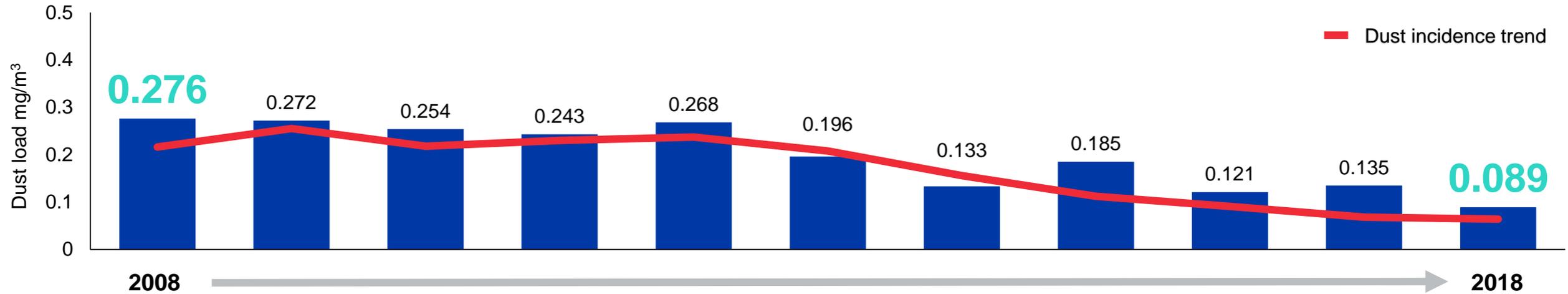


Source: DMRE



Leading practices in dust control

Gold company: average dust load



Initiatives

2008	Footwall treatment	2013	Winch covers
2009	MOD 5 tip filter units	2014	Stope atomisers and health rooms
2010	Haulage sprays	2015	Silicosis awareness campaign
2011	Tip covers	2016	Tip sprays
2012	Introduction of silver membrane filters and radial doors	2017 – 2018	Real time monitors

Milestone settlement

- **R5 billion silicosis and TB settlement reached on 3 May 2018**

by six Minerals Council members and approved by the High Court in July 2019

- We congratulate all who were involved in this settlement, which will hopefully be implemented early next year

Cosatu welcomes R5 billion agreement in Silicosis saga

27 July 2019, 7:40 AM | SABC | @SABCNewsOnline



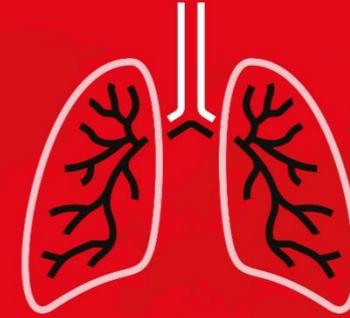
Tags: Cosatu, Silicosis, Mineworkers, Charmane Russells, Minerals Council South Africa



Image: SABC News

Reducing TB incidence

- Multi-stakeholder Masoyise iTB project implemented in 2015
- Through intensive screening and treatment, goal is to achieve TB incidence on mines no higher than in rest of the population
- Goal within reach in many places; achieved and overtaken in others

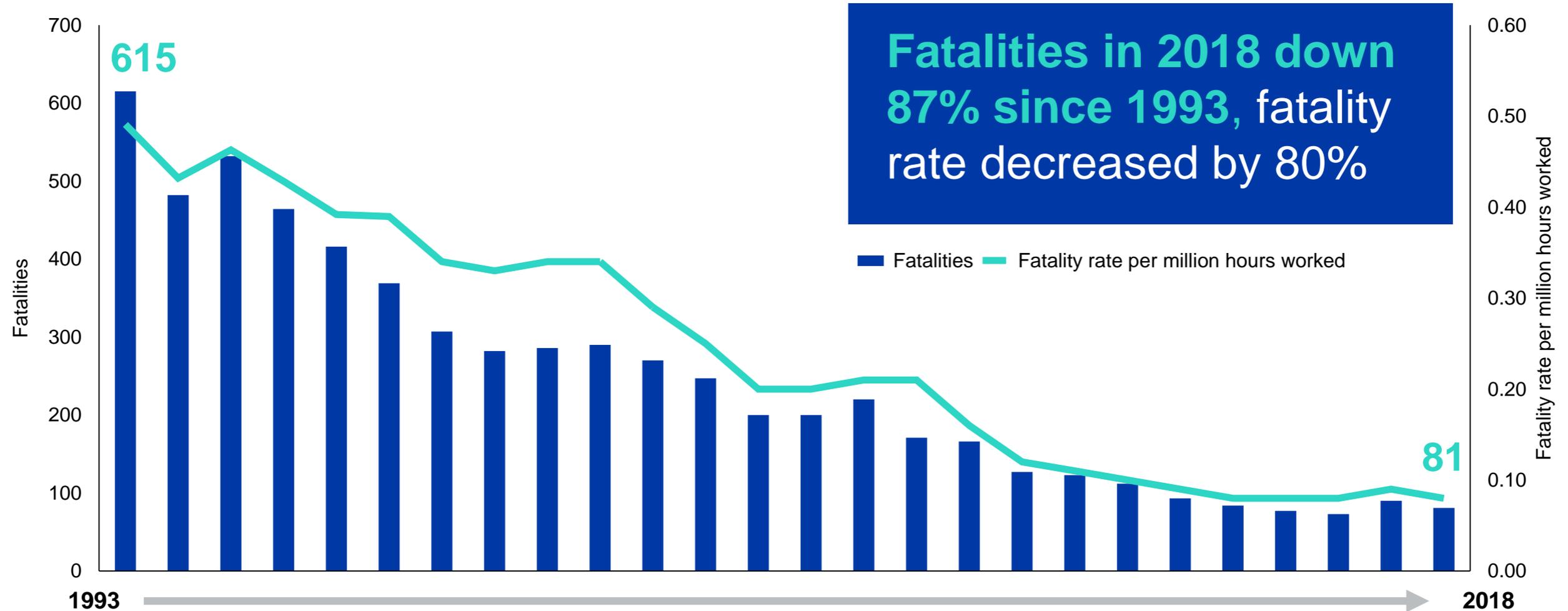


**This world TB day
play your part
in raising awareness about TB**

#IT'STIME #WORLDTB DAY2019

Falling fatalities rates

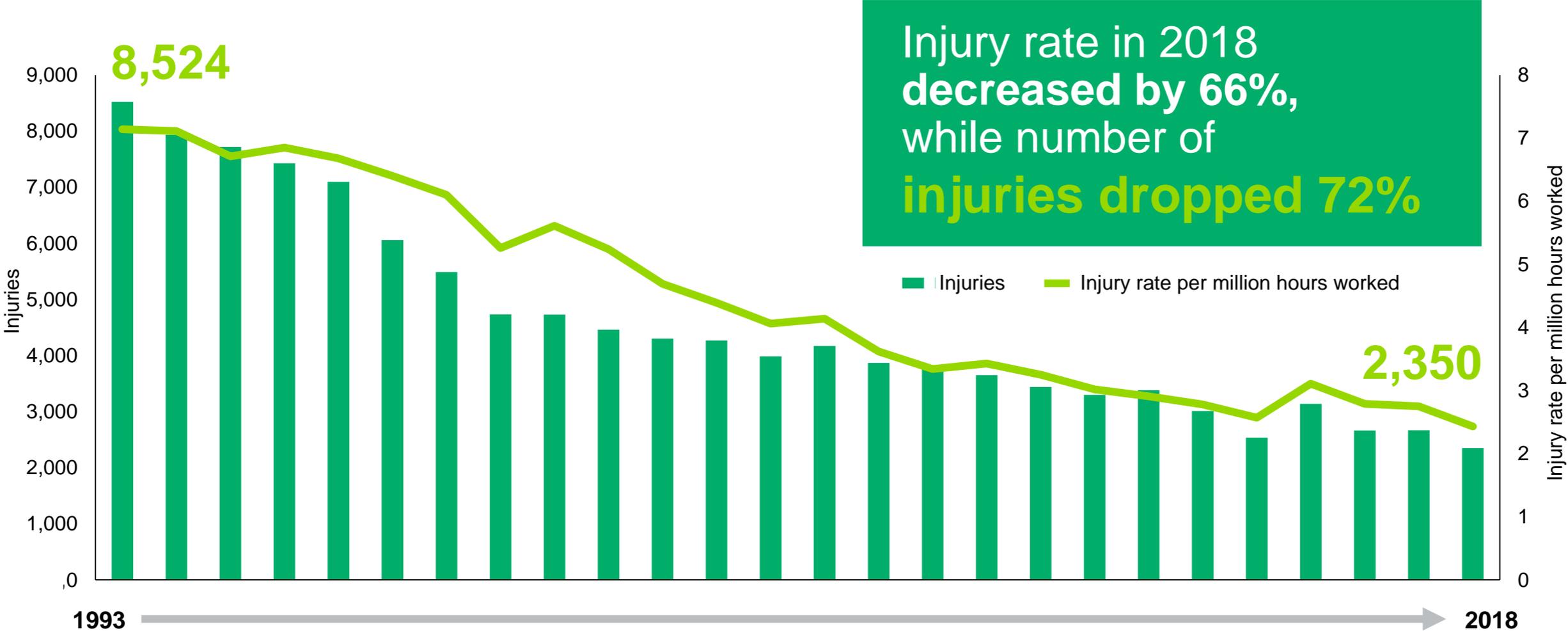
Fatalities and Fatality frequency rate



Source: DMRE

Injuries decreasing

Injuries and Injury frequency rates



Source: DMRE

Safety is multi-faceted

No silver bullet

Safety management is multifaceted

Trends repeatedly prompted innovations



New mining methods



New technologies



New and better people management techniques



Stakeholder contributions

We acknowledge role played by social partners, particularly government and organised labour, in contributing to health and safety improvements



The Leon Commission
of Inquiry into
Safety and Health in
the Mining Industry



The Mine Health and
Safety Act (MHSA)



The Mine Health and
Safety Council (MHSC)

Prioritising health and safety

- Mining Industry Occupational Safety and Health (MOSH) **established in 2003**
- MOSH Task Force established in 2006
- Minerals Council **piloted MOSH Leading Practice Adoption System in 2007**
- To date MOSH has spent:
 - **R40 million** on research and technology transfer
 - **R250 million** on research about seismicity

MINING INDUSTRY OCCUPATIONAL SAFETY & HEALTH

MINERALS COUNCIL SOUTH AFRICA

GUIDANCE NOTE

FOR NOISE MEASUREMENT OF EQUIPMENT TO ENSURE CONFORMANCE WITH MHSC MILESTONES

Anglo American

BACKGROUND

The Mine Health and Safety Council (MHSC) has established the following milestones for limiting occupational noise exposure and eliminating noise induced hearing loss (NIHL):

Quietening of equipment

“By December 2024, the total operational or process noise emitted by any equipment must not exceed a milestone sound pressure level of 107 dB(A).

This milestone of the sound pressure levels will be verified by initiatives under the Centre of Excellence (CoE) and MOSH.”

PURPOSE

To manage the noise hazard effectively, industry focus must be on a strategy to eliminate and control noise at source by implementing an accepted, practical and effective industry-wide “buy and maintain quiet” initiative. This initiative is the outcome of a standing decision taken by mining companies to procure equipment/machinery and maintain existing equipment that conforms to specific noise emission requirements.

This document serves as an industry guideline for the implementation of the 2014 noise milestones. It also details the required noise measurement procedure to ensure the employment of uniform measurement procedures under realistic operating conditions.

The guideline has been developed for use by persons who have been found competent by the Occupational Hygienist appointed under section 12J of Mine Health and Safety Act (Act 29 of 1996) to conduct noise measurements by virtue of their knowledge, training and experience.

Anglo American

MINERALS COUNCIL SOUTH AFRICA GUIDANCE NOTE FOR NOISE MEASUREMENT OF EQUIPMENT TO ENSURE CONFORMANCE WITH MHSC MILESTONES PAGE 1

CEO Zero Harm Forum

- CEO Zero Harm Forum **established in 2012**
- Premised on the belief that the **industry's CEOs need to lead by example**
- **Key focus areas** - falls of ground, transport and machinery, dust, noise, HIV/Aids and TB, and operational safety culture.

Forum's objectives include:



Developing a model
for industry leadership



Modelling leadership
behaviour



Sharing experiences



Establishing working
protocols



Monitoring and
agreeing on
adjustments to
industry models

National Day of Safety and Health in Mining 2018

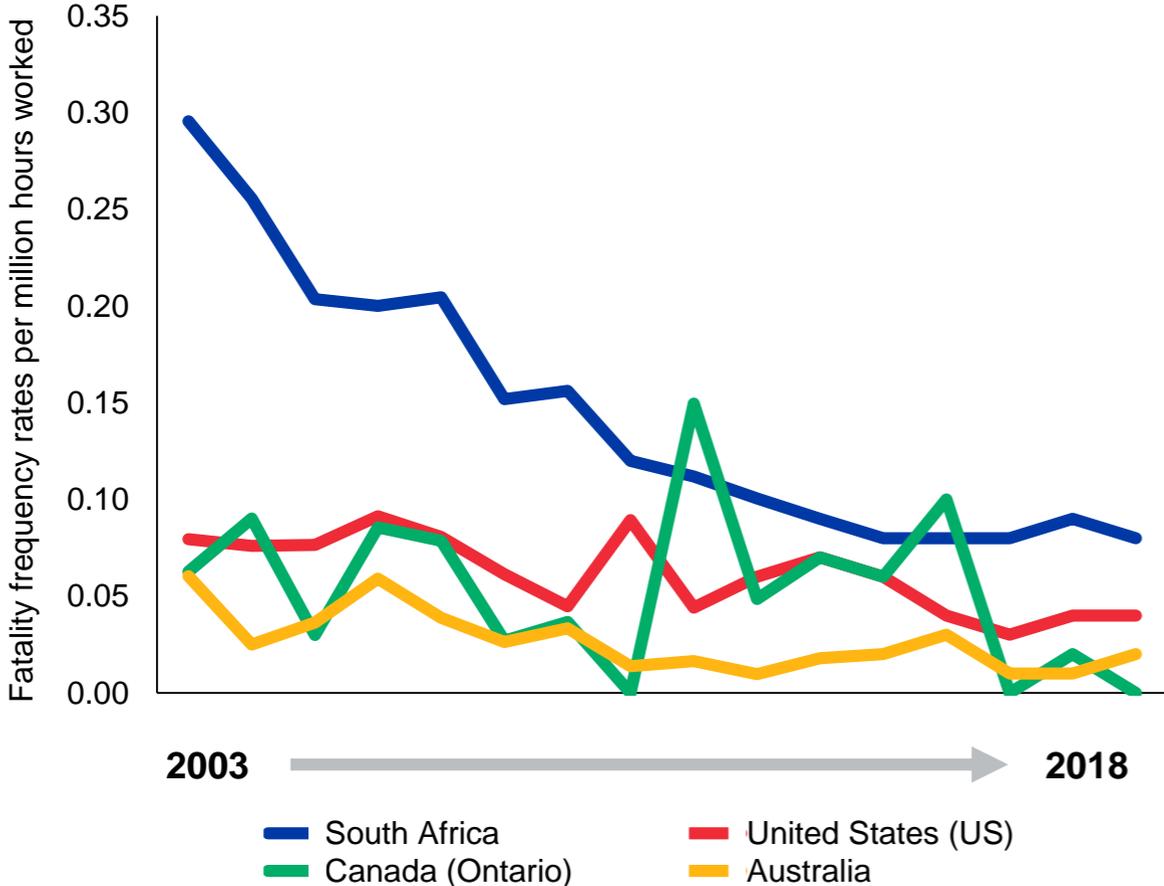
August 2018, Minerals Council launched the National Day of Safety and Health in Mining

- Signalled the start of a month-long initiative
- **93 health and safety days** hosted at operations around the country
- Campaign brought together management, employees, unions, suppliers and the inspectorate

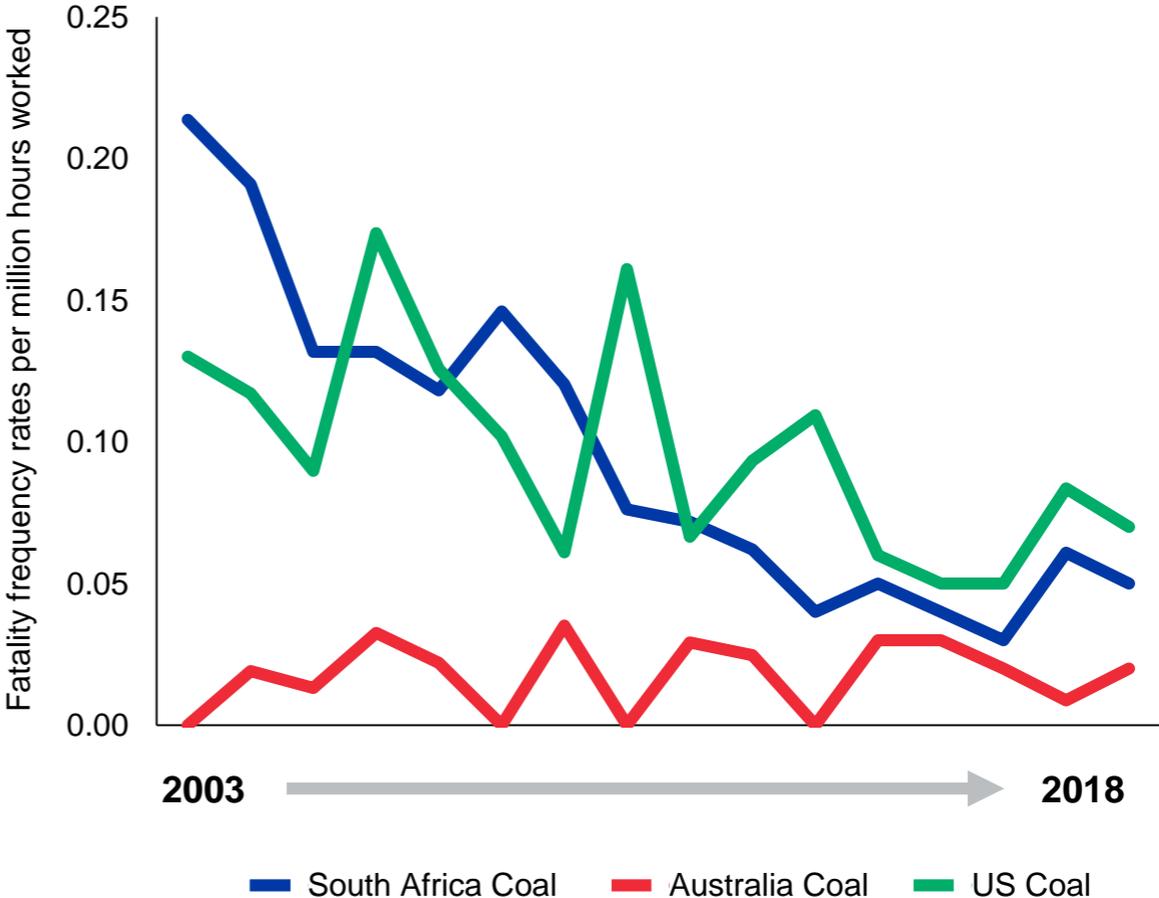


Comparison with international benchmarks

South African mining industry vs international



South African coal mining vs international



Khumbul'ekhaya

- Driving and sustaining mining industry's pursuit of Zero Harm
- Developed and led by CEO Zero Harm Forum
- Khumbul'ekhaya began as a heartfelt conversation amongst 34 mining CEOs in January 2019

Four critical drivers of Khumbul'ekhaya

	Industry's continued commitment to Zero Harm
	Elimination of safety and health fatalities as a step-change priority for 2019/20
	Adopting a holistic approach, because fatalities from safety and health are often the result of complex circumstances.
	Learning from incidents, from each other and from other industries



Khumbul'ekhaya



Nguni word for
“remember home”,
because we recognise that fatalities
have the greatest impacts on loved
ones, at home

Khumbul'ekhaya

 **MINERALS COUNCIL**
SOUTH AFRICA

 **Khumbul'ekhaya**



SAFETY AND HEALTH

are equally important

Together we can ensure that every mineworker returns home unharmed, every day

 Follow, comment and share using
#rememberhome

 @KhumbulekhayaSafetyAndHealth

www.safetyandhealthinmining.co.za

#MakingMiningMatter

 **MINERALS COUNCIL**
SOUTH AFRICA

 **Khumbul'ekhaya**



SHOW YOUR COMMITMENT

by sharing a photograph on our social media

 Follow, comment and share using
#rememberhome

 @KhumbulekhayaSafetyAndHealth

Together we can ensure that every mineworker returns home unharmed, every day

www.safetyandhealthinmining.co.za

#MakingMiningMatter

**Every mineworker returning
home unharmed every day**

Thank you

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