COMMITTED TO

ZERO HARM

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

We aim to achieve 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
Falling fatality rates

Fatalities and fatality frequency rate

Fatalities in 2019 down 92% since 1993, fatality rate decreased by 90%

Source: DMRE
Injuries decreasing

Injury rate in 2019 decreased by 63% since 1993, while number of injuries dropped 72%.

Source: DMRE
2019 figures date to 9 December 2019
Comparison with international benchmarks

**South African mining industry vs international**

- **South Africa**
- **Canada (Ontario)**
- **Australia**

**South African coal mining vs international**

- **South Africa Coal**
- **Australia Coal**
- **US Coal**
Safety performance between 2017 and 2019

2017
• The first **regression** in safety performance in 10 years
• A total of **90 fatalities** recorded, an increase of 17% on 2016

2018
• **National Day of Health and Safety** launched in August
• Health and safety days hosted at **several operations** around the country
• **Decrease of 10%** to 81 fatalities, with a notable decline after the Safety Day launch

2019
• **Khumbul’ekhaya** – “remember home” – launched in October
• **Decrease of 37%** to 51 fatalities
Occupational diseases in mining: 2008 to 2018

<table>
<thead>
<tr>
<th>Year</th>
<th>Silicosis</th>
<th>PTB</th>
<th>NIHL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>1,778</td>
<td>4,639</td>
<td>1,994</td>
</tr>
<tr>
<td>2009</td>
<td>1,694</td>
<td>4,468</td>
<td>1,280</td>
</tr>
<tr>
<td>2010</td>
<td>1,742</td>
<td>4,452</td>
<td>1,212</td>
</tr>
<tr>
<td>2011</td>
<td>1,286</td>
<td>3,048</td>
<td>1,201</td>
</tr>
<tr>
<td>2012</td>
<td>1,420</td>
<td>2,839</td>
<td>1,075</td>
</tr>
<tr>
<td>2013</td>
<td>1,430</td>
<td>3,255</td>
<td>1,389</td>
</tr>
<tr>
<td>2014</td>
<td>1,063</td>
<td>3,460</td>
<td>1,424</td>
</tr>
<tr>
<td>2015</td>
<td>835</td>
<td>3,773</td>
<td>1,493</td>
</tr>
<tr>
<td>2016</td>
<td>635</td>
<td>2,580</td>
<td>966</td>
</tr>
<tr>
<td>2017</td>
<td>652</td>
<td>2,247</td>
<td>1,141</td>
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<tr>
<td>2018</td>
<td>465</td>
<td>1,716</td>
<td>886</td>
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Health performance in 2018

• There is a slight lag in the reporting of health-related performance – these figures are for 2018
• Key diseases prevalent in the mining industry:
  • TB
  • Silicosis
  • Noise-induced hearing loss (NIHL)
• Incidence of TB, silicosis and NIHL have decreased by 63%, 74% and 56% respectively since 2008
• Between 2017 and 2018:
  • Silicosis decreased by 29%
  • TB decreased by 24%
  • NIHL decreased by 22%
• In recent years, HIV counselling has increased to 83% and TB screening to 90%
Improving health

• 2015: Multi-stakeholder Masoyise iTB project launched
• TB screening and HIV testing and counselling available to mining employees
• Aimed to achieve TB incidence on mines no higher than in rest of the population – on track to achieve this by the end of 2024
• 2019: Renamed the Masoyise Health Programme
• Now encompasses a wider mandate beyond TB and HIV to include OLDs and NCDs
Health and safety in 2019: 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, and look forward to its rapid implementation by the Tshiamiso Trust in 2020

'Justice has prevailed': MPs hail R5bn silicosis settlement agreement
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, TB and HIV/AIDS, 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
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
CEO Heartfelt Conversations

• 25 January 2019: 34 mining CEOs and four Minerals Council’s office bearers met for a half-day health and safety event

• Encouraged intense introspection into and facilitated meaningful engagement on health and safety-related issues

• Defined by a shift to a heartfelt CEO-ship culture focused on collaboration and co-learning

• Key outcomes:
  • Zero Harm remains the abiding aspiration guiding the industry’s actions
  • The step-change priority for 2019 and 2020 is the elimination of fatalities
  • Health and safety, including the elimination of fatalities, need to be considered holistically

• CEO-led strategy on Health and Safety established – called Khumbul’ekhaya
Khumbul'ekhaya

- Developed and led by CEO Zero Harm Forum
- Driving and sustaining mining industry’s pursuit of Zero Harm
- Galvanised industry players into action

Four critical drivers of Khumbul’ekhaya

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<th>Description</th>
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<td>🩸🧼</td>
<td>Promote a holistic approach to the elimination of fatalities</td>
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<tr>
<td>🏡❤️</td>
<td>Develop a system of understanding occupational deaths in and beyond employment</td>
</tr>
<tr>
<td>🧪💡</td>
<td>Adopt methods for more effective and competitive training, for example through centralisation and modernisation</td>
</tr>
<tr>
<td>🌍🕊️</td>
<td>Adopt globally leading practice to learn better and faster from others</td>
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Khumbul'ekhaya

Nguni word for “remember home”, because we recognise that fatalities have the greatest impact on loved ones at home
SAFETY AND HEALTH are equally important

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

SHOW YOUR COMMITMENT by sharing a photograph on our social media

Follow, comment and share using #rememberhome

Together we can ensure that every mineworker returns home unharmed, every day
We acknowledge role played by our 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)
Looking ahead

• Khumbul’ekhaya will continue to be an abiding priority for the Minerals Council
• It is our responsibility – as industry, government and organised labour – to ensure our employees remember home
• We are aware that this change begins with those in leadership
• It involves a holistic approach and persistent learning
• To eliminate fatalities and improve the health of our employees is going to take continued, concerted effort

#MakingMiningMatter
Every mineworker returning home unharmed every day
Thank you