Content

• Context
  • Global, South Africa

• Mining industry milestones

• Masoyise iTB
  • Background
  • Project purpose, aim, scope
  • Institutional arrangements
  • Added value
  • Outcomes

• Conclusion
• 36.9 million people living with HIV
• 25.8 million people living with HIV are in Sub-Saharan Africa.
• 17.1 million do not know they have the virus and
• 22 million do not have access to HIV treatment

• 9.6 million new cases of TB in 2014
• 1.5 million people died of TB. Of these people 0.4 million people were HIV positive

Source: UNAIDS
6.7 million people living with HIV
South Africa has the highest prevalence of HIV/AIDS compared to any other country in the world
18.9% of people > 15 years are HIV positive

450,000 cases of active TB in 2013
1% of the population develop active TB disease each year
73% of TB patients are HIV positive

Source: UNAIDS
# Global Targets for TB and HIV

## WHO - END TB TARGETS

<table>
<thead>
<tr>
<th>Indicators</th>
<th>Milestones</th>
<th>Targets</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2020</td>
<td>2025</td>
</tr>
<tr>
<td>Reduction in number of TB deaths, compared to 2015 (%)</td>
<td>35%</td>
<td>75%</td>
</tr>
<tr>
<td>Reduction in TB incidence rate compared to 2015 (%)</td>
<td>20%</td>
<td>50%</td>
</tr>
</tbody>
</table>

### 90 – 90 - 90

By 2020:
- 90% of all people living with HIV know their status
- 90% of all people with diagnosed HIV receive antiretrovirals.
- 90% of all people receiving antiretrovirals have viral suppressions.
Mining Industry Targets for TB and HIV - Milestones

By December 2024, TB incidence rate should be at or below the national incidence rate.

100% of employees should be offered HIV counselling and testing annually and eligible employees linked to ART programme.
MASOYISE iTB

Background

- Announcement by Deputy President, Cyril Ramaphosa on 24 March 2015, to increase screening in high risk groups.

- Chamber requested by Department of Health, in July 2015, to lead screening of mineworkers.

- Chamber Council approved the Masoyise iTB project in September 2015.
MASOYISE iTB

Project purpose

• To screen all employees (permanent and contractors) in the industry for TB and HIV over the next 3 years, building on progress made to date.

Project aim

• To have a meaningful impact on the TB challenge in the country, reducing the current high incidence rate as we seek to ultimately eliminate TB.
• All current employees, including contract workers, should be screened for TB using a cough questionnaire and be offered HIV counselling and testing annually for the next 3 years.

• ALL employees, from the CEO down should be screened for TB and HIV.

• A unique identifier (ID/Passport /TEBA/ Industry and Company Number) should be utilised to obviate duplicate counting.
Institutional arrangements

Steering Committee
- High level support
- Principals from all stakeholders

Project Committee
- Technical Experts/
- Programme implementers
- Guide project delivery

Stakeholders
- Employers
- Unions
- DOH
- DMR
- MHSC
- SABCOHA
- NIOH
- NHLS
- IOM
- ILO
- WHO
MASOYISE iTB

Added value

• Complements existing interventions and collaborations.

• Increase contact tracing beyond the mine.

• Include small mines.

• Increase access to diagnostics and other consumables.
Outcomes:
TB Screening - Data from DMR 164 and COM

Employees screened for TB

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Employees</th>
<th>Screened for TB</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMR 2013</td>
<td>423032</td>
<td>308403</td>
<td>72.9</td>
</tr>
<tr>
<td>DMR 2014</td>
<td>465923</td>
<td>376718</td>
<td>80.8</td>
</tr>
<tr>
<td>COM 2015</td>
<td>332527</td>
<td>313854</td>
<td>94.4</td>
</tr>
</tbody>
</table>

DMR = Department of Mineral Resources
COM = Chamber of Mines
Screened for TB, per commodity – Data from COM 2015

Percentage employees screened for TB

<table>
<thead>
<tr>
<th>Industry</th>
<th>Platinum</th>
<th>Gold</th>
<th>Coal</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>94.4</td>
<td>92.4</td>
<td>97.0</td>
<td>89.1</td>
<td>98.4</td>
</tr>
</tbody>
</table>

COM = Chamber of Mines
TB Incidence: Data from COM - 2015

TB Incidence per 100 000 employees

- **Industry**: 1068
- **Platinum**: 967
- **Gold**: 1637
- **Coal**: 327
- **Others**: 254

*COM* = Chamber of Mines
HIV Counselling - Data from DMR 164 and COM

Employees Counselling for HIV

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Employees</th>
<th>Counselling for HIV</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMR 2013</td>
<td>423032</td>
<td>229151</td>
<td>54.2</td>
</tr>
<tr>
<td>DMR 2014</td>
<td>465923</td>
<td>259297</td>
<td>55.7</td>
</tr>
<tr>
<td>COM 2015</td>
<td>332527</td>
<td>262951</td>
<td>79.1</td>
</tr>
</tbody>
</table>

DMR = Department of Mineral Resources

COM = Chamber of Mines
Counselling by Commodity – COM 2015

Percentage employees counselled for HIV

<table>
<thead>
<tr>
<th>Employees</th>
<th>Industry</th>
<th>Platinum</th>
<th>Gold</th>
<th>Coal</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>79.1</td>
<td>90.5</td>
<td>60.7</td>
<td>88.2</td>
<td>78.8</td>
</tr>
</tbody>
</table>

COM = Chamber of Mines
Conclusion

• Masoyise iTB is making a major contribution to South Africa’s commitment to screen and test for TB and HIV.

• The results of the base year, 2015, show high levels of testing.

• The industry needs to close the gap between current screening levels and those it has committed to.

• Through Masoyise iTB there is, and will be the strengthening of collaborations between all stakeholders.
Thank You