



Masoyise iTB Project

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Contents

2

1. Introduction
2. Methodology
3. Results:
 - ✓ HCT
 - ✓ TB Screening
 - ✓ TB Outcomes
 - ✓ Contact Tracing
4. Conclusion





Project purpose, aim and scope

3

Purpose

- ✓ To screen for TB and
- ✓ Provide HCT



- all employees
- over a three-year period(2016 -2018),
- building on progress made to date.

Aim

- ✓ To have a meaningful impact on the TB and HIV challenges in the South African Mining Industry (SAMI).

Scope

All current employees at all levels (from the CEO down), permanent and contractors.

- ✓ should be screened for TB using a cough questionnaire and
- ✓ be offered HIV counselling and testing annually for the a 3-year period(2016 till 2018) using 2015 performance as a baseline .



Targets

4

WHO End TB Strategy - 2025	UNAIDS Fast Track Strategy on HIV -2030
<ul style="list-style-type: none"> ✓ Find at least 90% of people with TB, including key and vulnerable populations, ✓ place 90% on appropriate treatment, ✓ at least 90% successful completion 	<ul style="list-style-type: none"> ✓ 90% of people living with HIV know their HIV status, ✓ 90% of all people living with HIV receive antiretroviral therapy and ✓ 90% of those receiving antiretroviral treatment have viral suppression.
Mining industry milestones	Masoyise targets
<ul style="list-style-type: none"> ✓ 100% of employees should be offered HIV counselling and testing annually and be linked to an antiretroviral therapy programme. ✓ To reduce TB incidence in the mining sector to a level at or below the South African rate by 2024. 	<ul style="list-style-type: none"> - 100% of employees counselled on HIV/AIDs annually. - 100% of employees screened for TB annually, using the cough questionnaire.

Methodology (Co-designed)

5

- Reporting Template:
 - ✓ Department of Minerals' "DMR 164" HIV and TB Reporting Template:
 - ✓ 2015: Paper-based system
 - ✓ 2016 onwards: Web-based electronic Reporting System.
- Standardized Indicator definitions and Explanatory Notes
- Company level data systems requirements: utilization of unique identifiers (ID/Passport /TEBA/ Industry and Company Number) to obviate duplicate counting.
- Quarterly Data Reporting, including annualised year-end data input.
- Progress tracking: Quarterly through both Project and Steering Committees.
- Project Annual Reports publications

Results

6

Response

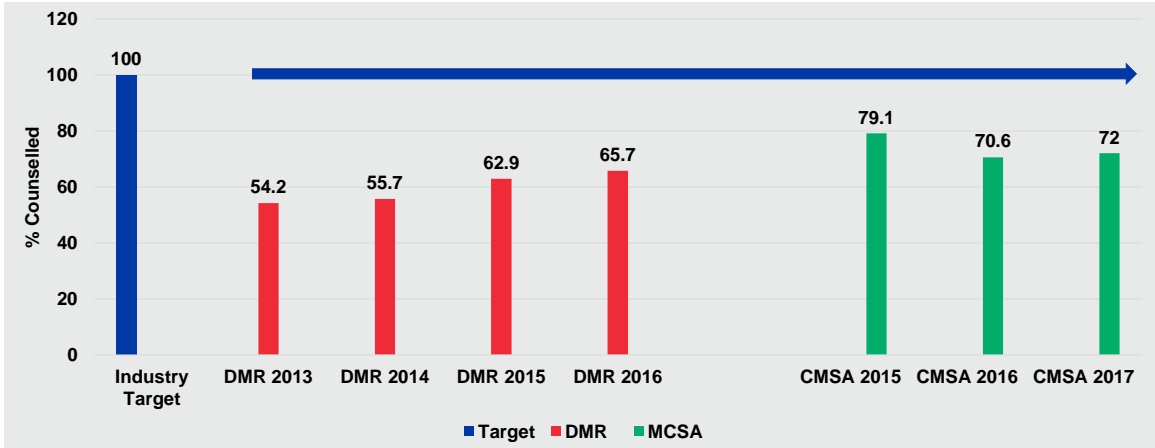
Period	Employees	% Response
2015	332 527	Below 85%
2016	413 097	92.1%
2017	431 622	92.9%



HIV Counselling

% of Workers Counselling for HIV (Data as per DMR Annual Reports 2013 – 2016 and CMSA Health Data System)

7

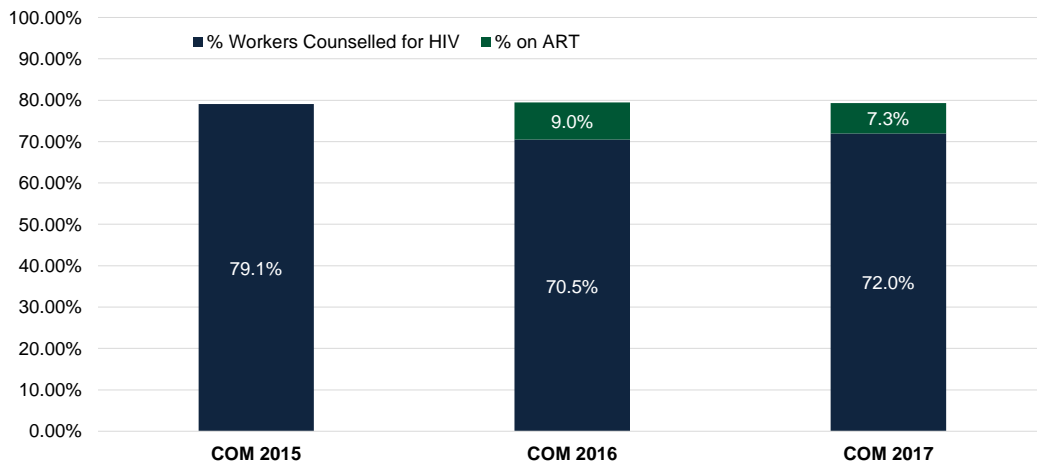


The industry did not meet its target of counselling 100% of employees annually.



Percentage of employees counseled for HIV and on ART (MCSA)

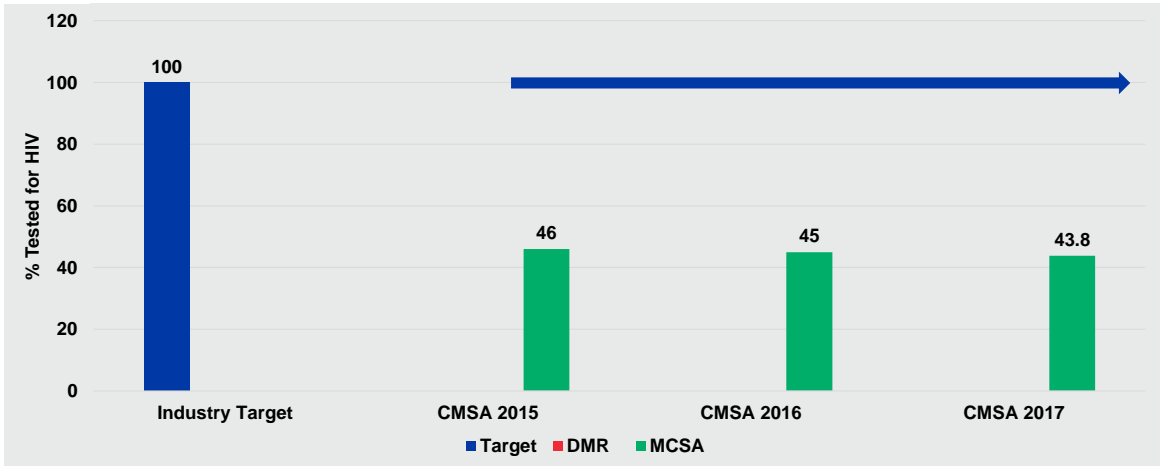
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Percentage of employees Tested for HIV (MCSA)

9

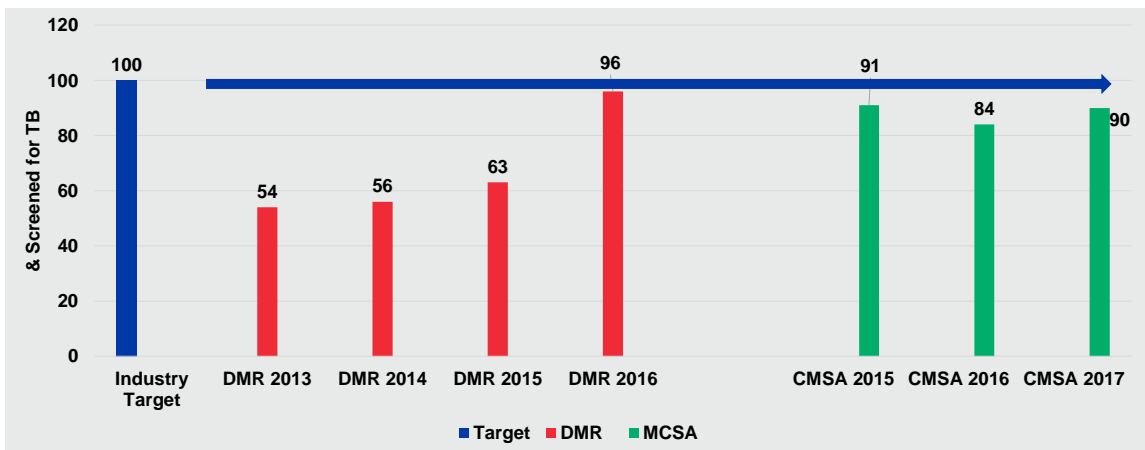


The industry did not meet the targets of 90% of it workforce knowing its HIV status.



Percentage of employees screened for TB

10

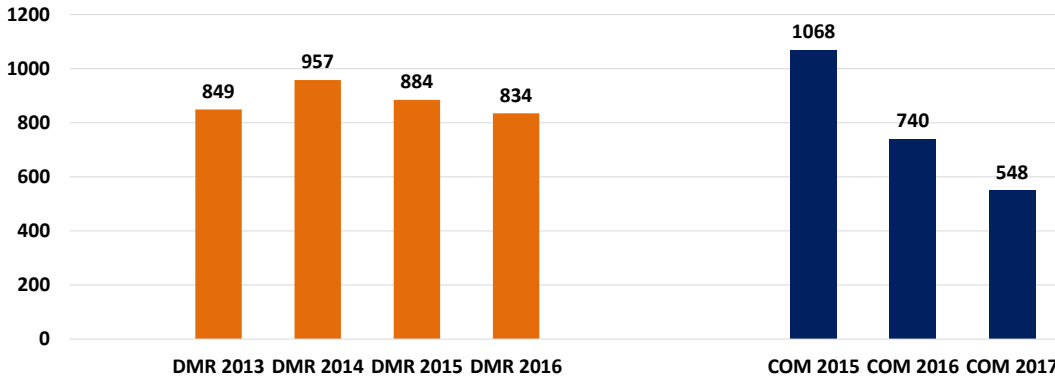


The industry did not meet its own targets of screening for TB (100% of employees annually).



TB INCIDENCE

Industry TB Incidence (per 100 000) Data as per DMR reports 2013 - 2016

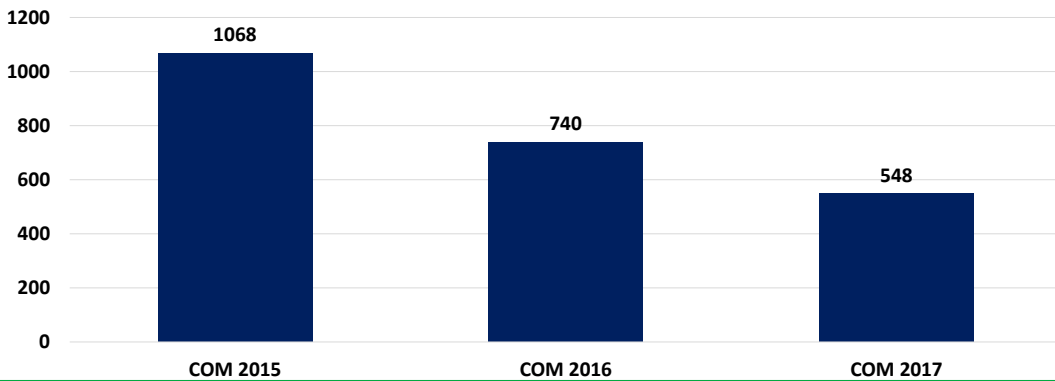


The TB incidence in 2016 and 2017 indicates that the industry is tracking below its aspirational targets and on track to meet its target of reducing TB to below the South African national average by 2024.



TB INCIDENCE

Industry TB Incidence (per 100 000) Data as per CMSA Reporting System



The TB incidence in 2016 and 2017 indicates that the industry is tracking below its aspirational targets and on track to meet its target of reducing TB to below the South African national average by 2024.



TB Outcomes: Sample of Mines from 3 Provinces NIOH (Study)

13

Outcome	Global 2015 (%)	National Department of Health of South Africa 2017 (%)	Limpopo Mines 2016 N=301 (%)	Gauteng Mines N=662 (%)	North West Mines N= 1299 (%)
Successfully treated	83	81	276 (91.7)	586 (88.5)	1090 (83.9)
Cured	n/a	n/a	61 (20.3)	125 (18.8)	721 (55.5)
Treatment completed	n/a	n/a	215 (71.4)	461 (69.6)	369 (28.4)
Failed	n/a	n/a	5 (1.7)	4 (0.6)	1 (0.1)
Died	n/a	n/a	10 (3.3)	24 (3.6)	48 (3.7)
Lost to Follow Up	n/a	n/a	3 (1.0)	8 (1.2)	2 (0.2)
Not evaluated	n/a	n/a	7 (2.3)	40 (6.0)	158 (12.2)

Contact Tracing: Sample of Mines in two provinces

14

INDICATOR	BOJANALA	WEST RAND	TOTAL
Percentage contacts traced	93.9%	99.5%	97.9%
Percentage of contacts screened	90.1%	97.9%	95.8%
Percentage contacts lost to follow up	9.3%	2.9%	4.6%
Yield (% TB positive from those screened)	0.7%	0.5%	0.6%
Percentage of TB positive put on treatment	100%	100%	100%



Conclusion

- HCT: Target not met
- TB Screening: Target not met
- TB Incidence: Target met
- Aspirational Curves: Target met
- TB Outcomes: Target met
- TB contact tracing: Target met



I thank You

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