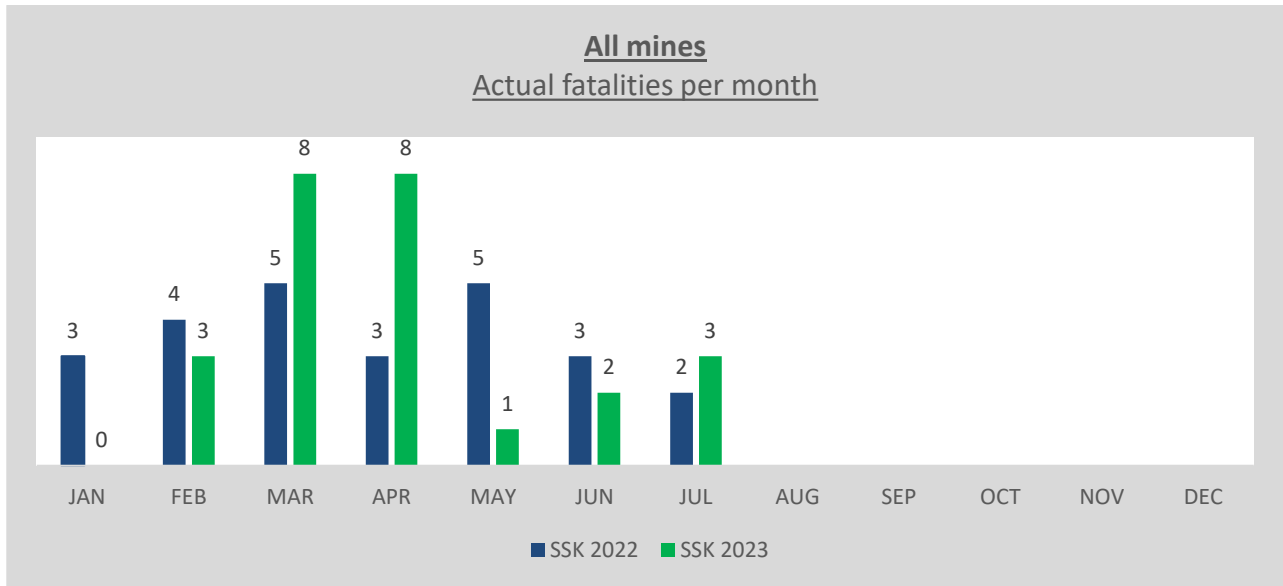




## 1. OVERALL FATALITIES PER MONTH

During the month of July 2023, **three (3)** fatalities were reported whilst during the same period in 2022 **two (2)** mine workers were fatally injured. Fatalities reported for the year up to July 2023 were **twenty-five (25)** while **twenty-five (25)** were reported over the same period in 2022. This translates to no change in the number of fatalities year on year.



## 2. STATISTICS OF FATALITIES BY REGION

The table below illustrates the progressive performance of each region with regard to fatalities. During the month of July 2023, **seven (7)** of the **ten (10)** regions had not reported any fatalities.

	WC	NC	FS	EC	KZN	MP	LP	GP	NW-KLD	NW-RST	TOTAL
JAN	0	0	0	0	0	0	0	0	0	0	0
FEB	0	1	0	0	0	1	0	0	0	1	3
MAR	0	1	1	0	0	2	0	2	1	1	8
APR	0	0	0	0	0	1	0	7	0	0	8
MAY	0	0	0	0	0	1	0	0	0	0	1
JUN	0	0	0	0	0	0	0	1	0	1	2
JUL	1	0	0	0	0	0	0	1	0	1	3
TOTAL	1	2	1	0	0	5	0	11	1	3	25

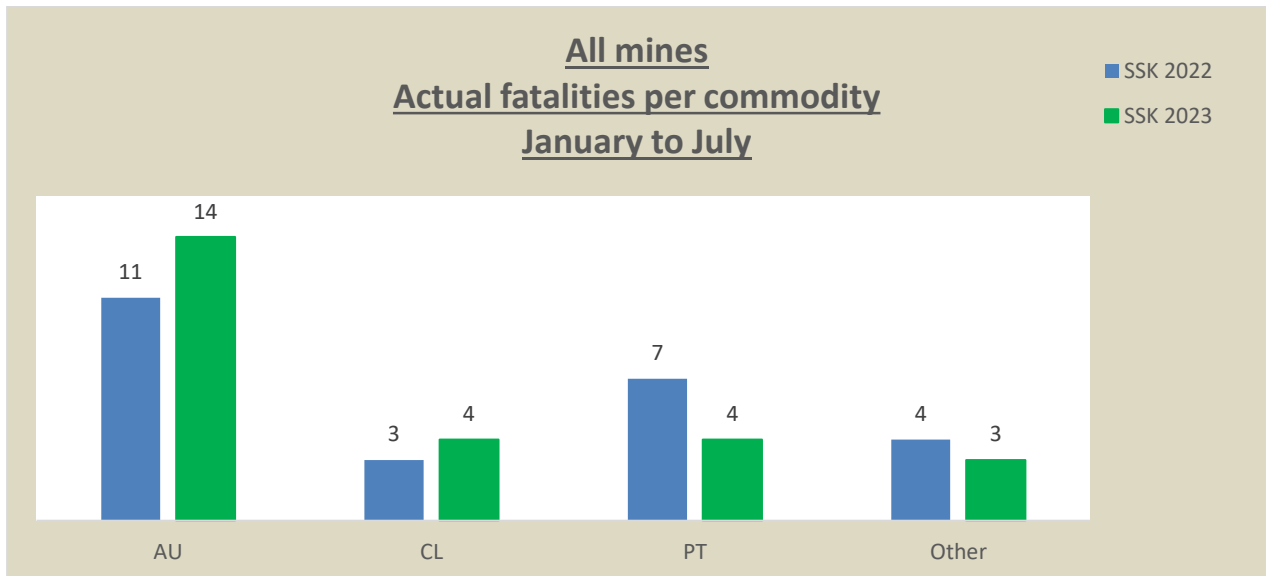
## 3. ANALYSIS OF FATALITIES BY COMMODITY

For the purpose of the analysis, commodities are grouped into gold (AU), platinum (PT), coal (CL) and other mines (Iron ore, Diamond, Sand).

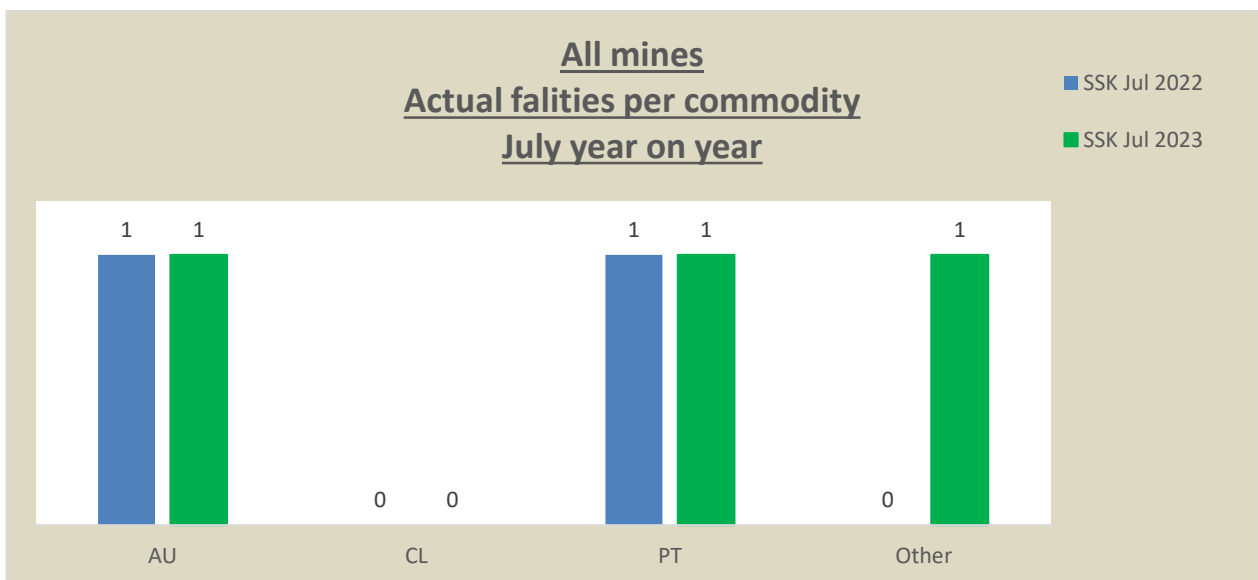
- 3.1 The comparison of fatalities for the year up to July 2023 and 2022 is reflected on the graph below and shows increases in fatalities of 27% and 33% in the gold and coal sectors



respectively while the platinum and other mines sectors show decreases in fatalities of 43% and 25% respectively.

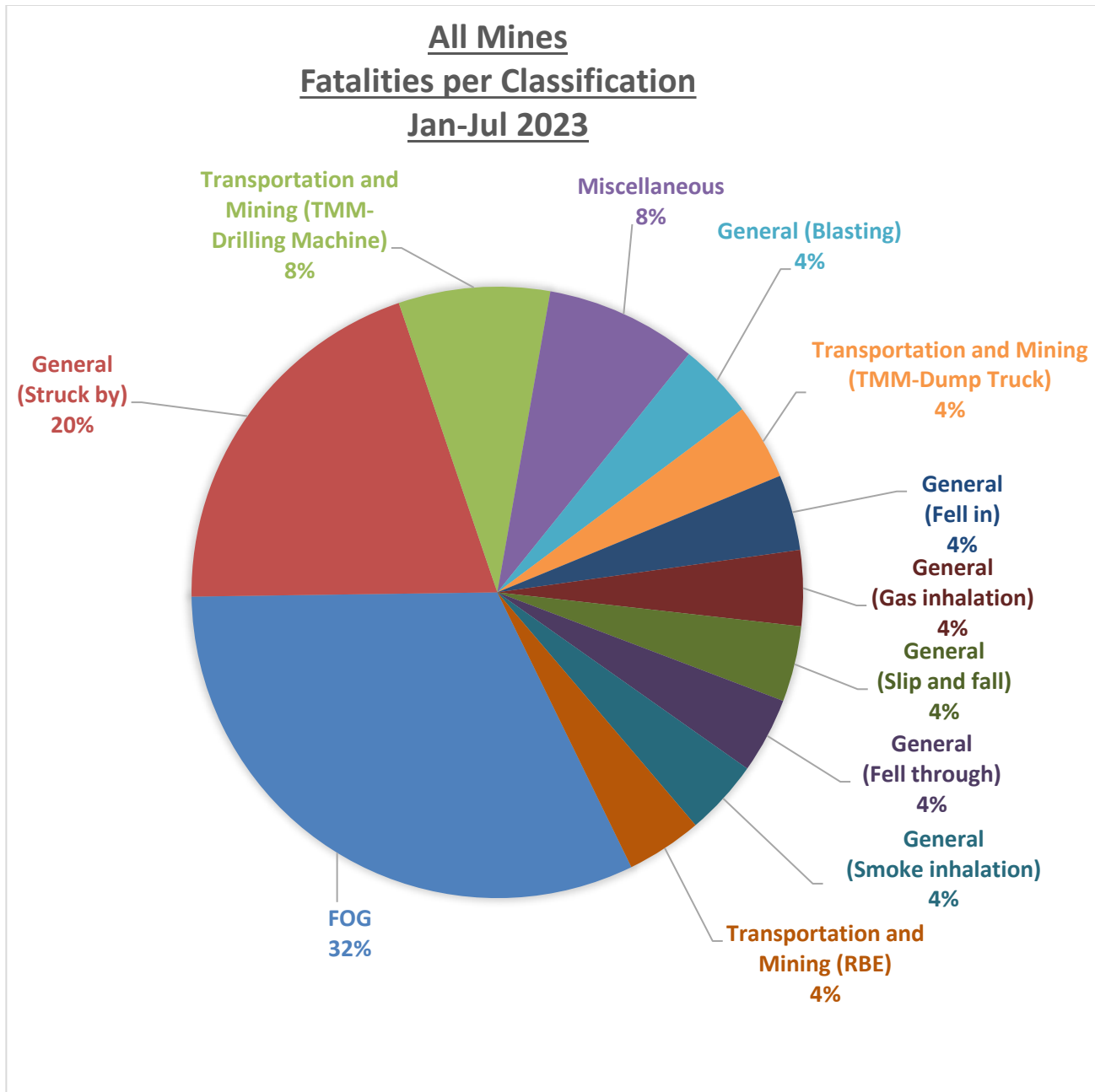


3.2 In July 2023, the gold sector had reported **one (1)** fatality, the platinum sector **one (1)**, the other mines sector **one (1)** while the coal sector had reported **none (0)**.



#### 4. ANALYSIS OF FATALITIES BY CLASSIFICATION – ALL MINES

The graph below shows the causes of fatalities per classification for the year to July 2023.



#### 4.1 Fall of ground (FOG) 32%

There were **eight (8)** fatalities reported this year 2023 in this category. **One (1)** was reported at a diamond mine, **one (1)** at a platinum mine and **six (6)** at the gold mines. **Two (2)** fall of ground accidents were seismic induced at the gold mines and **six (6)** were gravity induced. **None (0)** were reported in July 2023.

#### 4.2 General (Struck by) 20%

There were **five (5)** fatalities reported for this year in 2023 in this category, all at the gold mines. None were reported in July 2023.



#### 4.3 Transportation and Mining (TMM-Drilling Machine) 8%

There were **two (2)** fatalities reported this year in 2023 in this category, one (1) at an iron ore mine and one (1) at a coal mine. None were reported in July 2023.

#### 4.4 Miscellaneous 8%

Miscellaneous classification refers to a fatality the cause of which is yet to be determined, pending investigations, inquiries or post-mortems. None were reported in July 2023.

#### 4.5 General (Blasting) 4%

There was **one (1)** fatality reported for this year in 2023 in this category at a platinum mine. **None (0)** were reported in July 2023.

#### 4.6 Transportation and Mining (TMM-Dump Truck) (4%)

There was **one (1)** fatality reported this year in 2023 in this category at a coal mine. **None (0)** were reported in July 2023.

#### 4.7 General (Fell in) 4%

There was **one (1)** fatality reported for this year in 2023 in this category at a gold mine. **None (0)** were reported in July 2023.

#### 4.8 General (Gas inhalation) 4%

There was **one (1)** fatality reported for this year in this category at a coal mine. None were reported in July 2023.

#### 4.9 General (Slip and fall) 4%

There was **one (1)** fatality reported for this year in 2023 in this category at a platinum mine. None were reported in July 2023.

#### 4.10 General (Fell through) 4%

There was **one (1)** fatality reported for this year in July 2023 in this category at a sand mine. The now deceased General Worker who was employed by a contractor to install scaffolding was fatally injured when he fell through an opening in the mentis grating that had been removed and not replaced.

#### 4.11 General (Smoke inhalation) 4%

There was **one (1)** fatality reported for this year in July 2023 in this category at a gold mine. The now deceased Development Miner who was reported missing in the refuge bay, was found approximately seven (7) hours later, 50m past the refuge bay, without any sign of life. Visible smoke had been observed from a crosscut and emergency protocols were followed.



#### 4.12 Transportation and Mining (Railbound Equipment) 4%

There was **one (1)** fatality reported for this year in July 2023 in this category at a platinum mine. The now deceased Loader Operator was fatally injured when the mechanical loader that he was loading with derailed and he was trapped underneath.

### 5. Women Employees

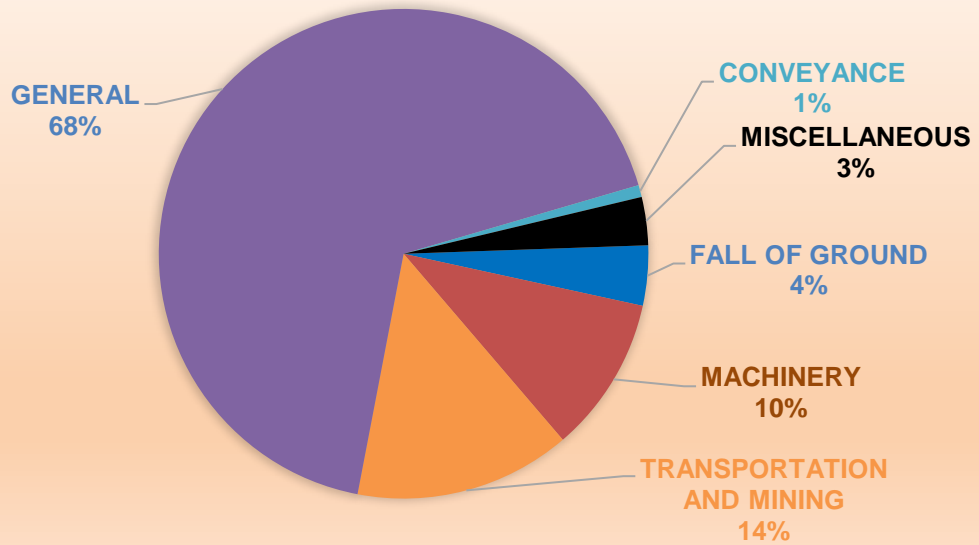
5.1 The number of women employees has steadily increased in the South African mining industry and the graph below shows injuries and fatalities to women employees across all commodities from 2000 to July 2023.



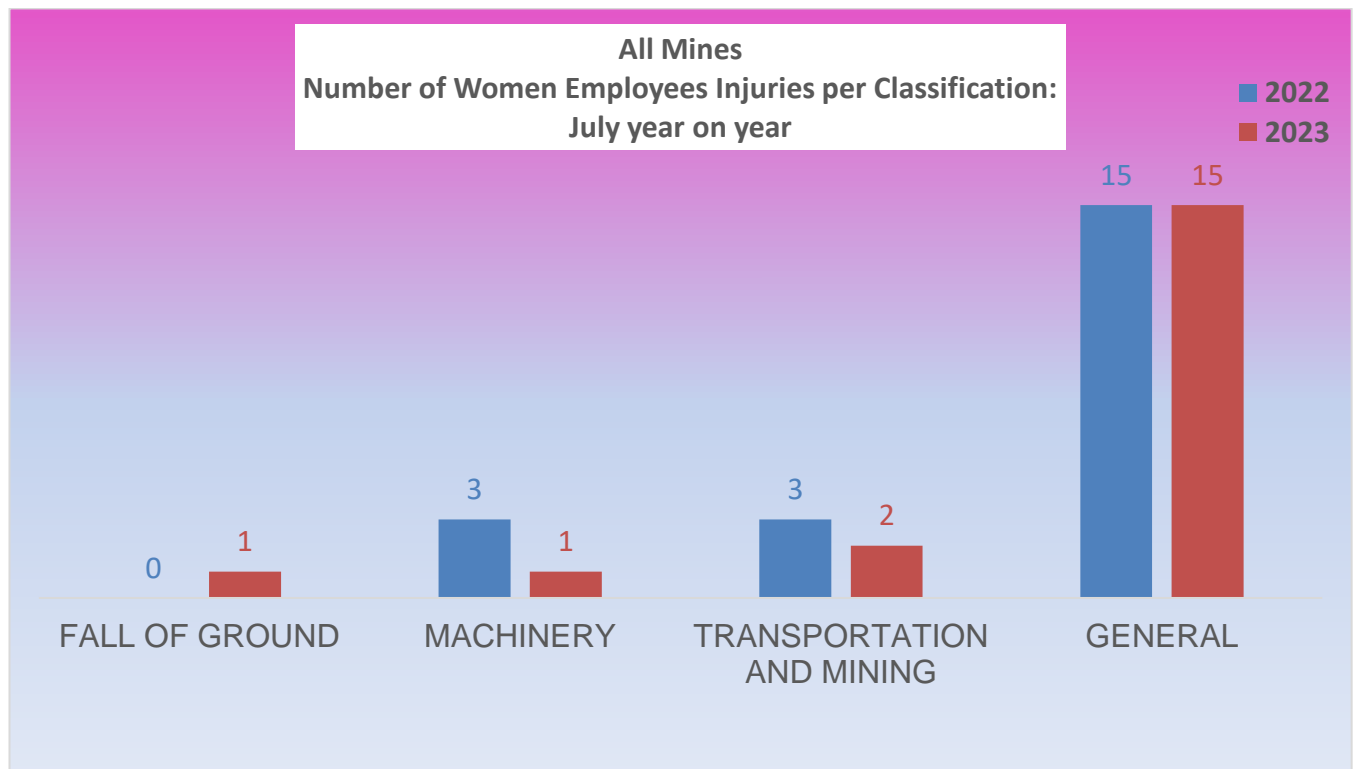
5.2 The graph below shows the classification of injuries to women employees across all commodities from January to July 2023:



All Mines  
Women Employees Injuries per Classification:  
Jan-Jul 2023



5.3 The graph below shows the comparison of injuries to women employees across all commodities in July 2023 and July 2022:





## 6. FATALITIES AND INJURIES

### 6.1 FATALITIES

The table below reflects the number of fatalities that were reported for the months of January to July 2023 and 2022 per mine, per commodity.

	Jan-Jul 2022	Jan-Jul 2023
<b>Gold Mines</b>	<b>11</b>	<b>14</b>
<b>Platinum Mines</b>	<b>7</b>	<b>4</b>
<b>Coal Mines</b>	<b>3</b>	<b>4</b>
<b>Other Mines</b>	<b>4</b>	<b>3</b>
<b>TOTAL</b>	<b>25</b>	<b>25</b>

### 6.2 MINE INJURIES

The table below reflects the number of injuries that were reported for the year to July 2023 and 2022 per the classification of the accident.

	Injuries		
	Jan-Jul 2022	Jan-Jul 2023	% Change
<b>FALL OF GROUND</b>	<b>168</b>	<b>170</b>	<b>1</b>
Rockburst	16	28	75
Strainburst	13	14	8
Gravity	139	128	-8
<b>MACHINERY</b>	<b>96</b>	<b>90</b>	<b>-6</b>
Conveyor belts	27	26	-4
Drives, Belts and chains	9	8	-11
Portable power tools	44	41	-7
Other machinery (not included in TMM)	16	15	-6
<b>RAILBOUND</b>	<b>77</b>	<b>71</b>	<b>-8</b>
Locomotive	20	9	-55
Locomotive drawn vehicle	11	14	27
Rerailing	10	7	-30
Coupling/uncoupling	19	23	21
Rocker arm shovel	7	7	0
Personnel transport	4	4	0
Hand trammed	4	6	50
Other Transport	2	1	-50
<b>WINCHES</b>	<b>65</b>	<b>48</b>	<b>-26</b>
Scraper Winch Installation	39	30	-23
Single drum winch	6	1	-83
Double drum winch	15	10	-33



	Jan-Jul 2022	Jan-Jul 2023	% Change
Mono rope/rail	5	7	40
<b>TRACKLESS MOBILE MACHINES</b>	<b>67</b>	<b>79</b>	<b>18</b>
Tractor/Trailer	3	3	0
Coal Mining Machines	1	2	100
Mechanical Loaders	8	10	25
Transporters	15	12	-20
Motor vehicles	9	13	44
T&M lifting machines	9	12	33
T&M mobile drilling machines	17	23	35
Other Transport	5	4	-20
<b>GENERAL</b>	<b>663</b>	<b>633</b>	<b>-5</b>
Fall of material/rolling rock	81	83	2
Manual handling of material	172	168	-2
Manual handling of mineral	23	20	-13
Falling in/from	18	20	11
Slipping and falling	237	223	-6
Burning and scalding	27	12	-56
Splinters	9	6	-33
Dust, gas and fumes	18	31	72
Inundation/Drowning	4	0	-100
Struck by ventilation door	2	6	200
Struck by any object manual handling	72	64	-11
<b>Conveyance accidents (shaft/winze)</b>	<b>12</b>	<b>7</b>	<b>-42</b>
<b>Electricity (Not causing fires)</b>	<b>6</b>	<b>10</b>	<b>67</b>
<b>Fires</b>	<b>5</b>	<b>1</b>	<b>-80</b>
<b>Explosives</b>	<b>1</b>	<b>4</b>	<b>300</b>
<b>Occupational Diseases</b>	<b>1</b>	<b>0</b>	<b>-100</b>
<b>Heat sickness</b>	<b>2</b>	<b>6</b>	<b>200</b>
<b>Miscellaneous</b>	<b>3</b>	<b>31</b>	<b>933</b>
<b>TOTAL</b>	<b>1166</b>	<b>1150</b>	<b>-1</b>



## 7. OCCUPATIONAL MEDICINE MONTHLY REPORT: FY 2023/24 Q1 (Apr-Jun 2023)

### 7.1 INTRODUCTION

In terms of section 11(5B) of the Mine Health and Safety Act (MHSA), Act No. 29 of 1996, as amended; the employer must notify the Principal Inspector of mines (PloMs) of any occurrence at the mine that results in serious illness or death of any person. The employers submit to the PloMs, the Health Incident Reports (HIRs) DMRE 231 Forms completed by the Occupational Medical Practitioners (OMPs) on monthly basis to report occupational diseases diagnosed amongst mine employees during medical surveillance.

### 7.2 OCCUPATIONAL DISEASES REPORTED

During July 2023/24, the mines reported a total of **119** occupational diseases from the Health Incident Reports (HIRs) submitted when compared to **152** cases reported during the same period in 2022/23.

**Calculation of the percentage change:**

$$(119 - 152) / 152 * 100 = -21.71\%$$

### 7.3 ANALYSIS OF OCCUPATIONAL DISEASES REPORTED PER REGION

TABLE 7.3.1 Analysis of occupational diseases reported per region: July 2023/24 vs July 2022/23

	EC		FS		GR		KZN		LP		Mpu		NC		NW: K		NW: R		WC		TOTAL		Percentage change
	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	
PTB	0	1	7	7	16	16	1	1	2	6	4	0	2	2	6	2	14	15	0	0	52	50	-3.85
Sil+TB	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	2	0.00
MDR-TB	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	-100.00
XDR-TB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
Sil	0	0	13	9	9	3	0	0	0	0	1	0	0	0	2	2	1	0	0	0	26	14	-46.15
Asb	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	-100.00
CWP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
COAD	0	0	2	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	3	3	0.00
Occ asthma	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	-100.00
Occ lung cancer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
NIHL	0	0	7	2	21	11	0	0	5	3	2	2	1	1	8	0	18	29	0	1	62	49	-20.97
Occ skin diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
Platinum salt sensitivity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
Musculoskeletal disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	-100.00
Progressive massive fibrosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!
Other occ diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	#DIV/0!
<b>Total</b>	<b>0</b>	<b>1</b>	<b>30</b>	<b>19</b>	<b>49</b>	<b>31</b>	<b>1</b>	<b>1</b>	<b>7</b>	<b>9</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>16</b>	<b>5</b>	<b>38</b>	<b>45</b>	<b>0</b>	<b>1</b>	<b>152</b>	<b>119</b>	<b>-21.71</b>



## **7.4 ANALYSIS OF OCCUPATIONAL DISEASES REPORTED BY COMMODITY**

- 7.4.1 During July 2023/24, the overall total number of occupational diseases reported by the mines have decreased when compared to the same period in 2022/23, as shown on Table 7.4.1 below.
- 7.4.2 The analysis of the silicosis cases in gold mines as shown on Figure 7.6.1; and the noise induced hearing loss (NIHL) cases from gold, platinum, coal, and chrome as illustrated on Table 7.1 to Table 7.4 is evident of the lag time between workplace exposures (e.g., respirable silica bearing dust and noise) and the onset of occupational diseases.



## Occupational Health and Safety Report: JULY 2023

Table 7.4.1 Analysis of occupational diseases reported by commodity: July 2023/24 vs July 2022/23

	Gold		Platinum		Coal		Diamond		Copper		Chrome		Iron Ore		Manganese		Other mines		TOTAL	
	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24	July 2022/23	July 2023/24
PTB	28	25	18	15	3	2	1	0	0	0	0	4	1	0	0	1	1	3	52	50
Sil+TB	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
MDR-TB	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
XDR-TB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sil	25	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	14
Asb	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CWP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COAD	2	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Occ asthma	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Occ lung cancer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NIHL	38	13	23	31	0	2	0	0	0	0	0	0	1	1	0	0	0	2	62	49
Occ skin diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platinum salt sensitivity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Musculoskeletal disorders	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
Progressive massive fibrosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other occ diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<b>Total</b>	<b>97</b>	<b>55</b>	<b>48</b>	<b>47</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>152</b>	<b>119</b>
Percentage change	<b>-43.30</b>		<b>-2.08</b>		<b>66.67</b>		<b>-100.00</b>		<b>#DIV/0!</b>		<b>#DIV/0!</b>		<b>0.00</b>		<b>#DIV/0!</b>		<b>400.00</b>		<b>-21.71</b>	



## 7.5 ANALYSIS OF OCCUPATIONAL DISEASES BY DISEASE CLASSIFICATION GROUPS

### 7.5.1 OCCUPATIONAL LUNG DISEASES (OLD)

There is a decrease of **19.77%** on the total of **69** occupational lung diseases (OLD) reported by mines during July 2023/24, from **86** cases reported during the same period in 2022/23. The OLD reported include the following: Pulmonary tuberculosis (PTB), Silico-tuberculosis (Sil+TB), Multidrug-resistant TB (MDR TB); Extremely-drug resistant TB (XDR-TB), Silicosis, Asbestosis, Coal workers' pneumoconiosis (CWP) Chronic obstructive airways disease (COAD), Occupational asthma, Occupational lung cancer and Progressive massive fibrosis (PMF).

#### 7.5.1.1 SILICOSIS

The mines reported **14** silicosis cases during July 2023/24 compared to **26** cases reported during the same period in 2022/23. All the cases were from the gold sector. No cases of coal workers' pneumoconiosis (CWP) were reported from the coal sector.

#### 7.5.1.1.2 PULMONARY TUBERCULOSIS (PTB)

During July 2023/24, the mines reported **50** pulmonary tuberculosis (PTB) cases, compared to **52** cases reported during the same period in 2022/23. The gold sector reported **25** cases which is the highest number; followed by platinum with **15** cases, and coal with **two** cases. No cases of multidrug-resistant TB (MDR-TB) and extensively drug-resistant TB (XDR TB) were reported.

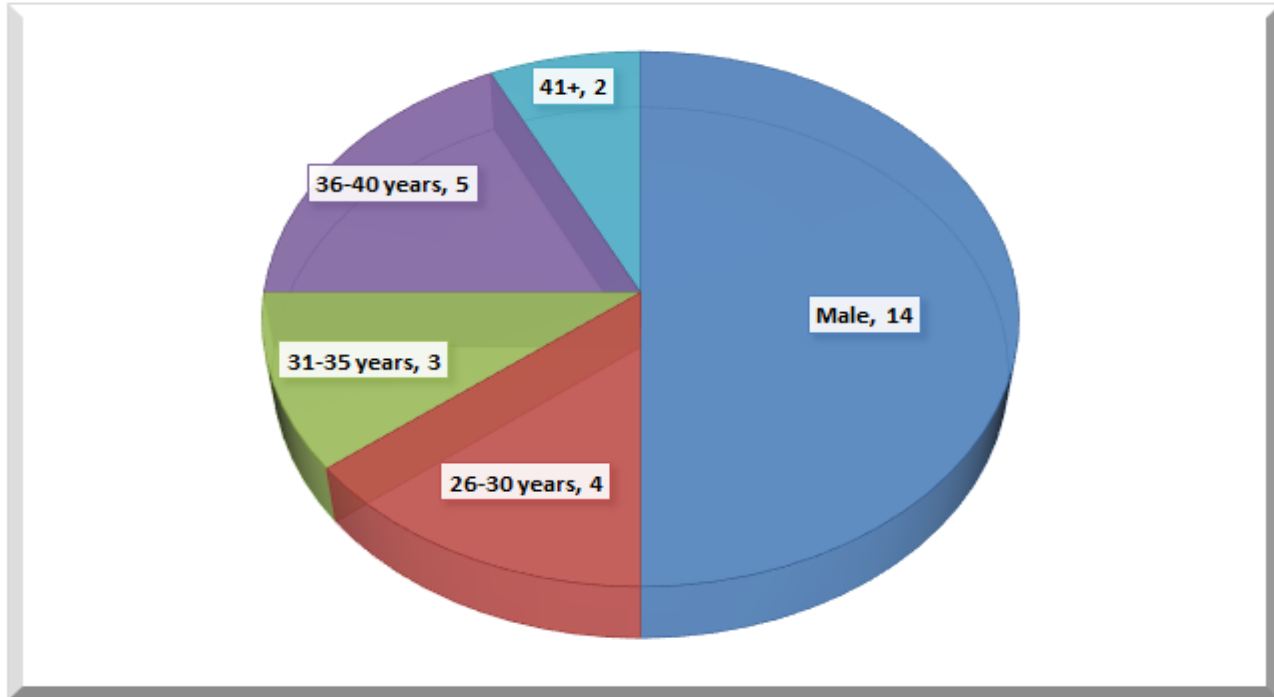
### 7.5.2 NOISE INDUCED HEARING LOSS (NIHL)

The mines reported **49** noise-induced hearing loss (NIHL) cases during July 2023/24 compared to **62** cases reported during the same period in 2022/23. The platinum sector reported **31** cases which is the highest number; followed by gold with **13** cases and coal with **two** cases. No cases of NIHL were reported from the chrome sector.

## 7.6 ANALYSIS OF SILICOSIS CASES REPORTED FROM GOLD MINES BY YEARS OF SERVICE



FIGURE 7.6.1 Analysis of silicosis cases reported from gold mines by years of service: July 2023/24



During July 2023/24, the gold sector reported **14** silicosis cases as illustrated on Figure 6.1 above. All cases reported had **≥10 years** of service (**26-30 to ≥41**) in the mining industry. No female employees were reported for both reporting periods.

**7.7 ANALYSIS OF NOISE INDUCED HEARING LOSS CASES REPORTED BY COMMODITY, PERCENTAGE LOSS OF HEARING (PLH) AND YEARS OF SERVICE: JULY 2023/24**

Table 7.7.1 Analysis of noise-induced hearing loss (NIHL) from gold mines: July 2023/24

	Years of service	Percentage loss of hearing (PLH)									Total
		10-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%	>50%	
Gold	1 - 5	0	0	0	0	0	0	0	0	0	0
	6 - 10	0	0	0	0	0	0	0	0	0	0
	11-15	1	0	0	0	0	0	0	0	0	1
	16 - 20	1	1	0	0	0	0	0	0	0	2
	21-25	0	0	0	0	0	0	0	0	0	0
	26-30	1	0	0	0	0	0	0	0	0	1
	31-35	2	0	0	0	0	0	0	0	0	2
	36-40	3	3	0	0	0	0	0	0	1	7
	41+	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>13</b>



The gold sector reported **13** noise induced hearing loss (NIHL) cases during July 2023/24 as shown on table 7.1 above. All cases had **≥10 years** of service (**11-15 to 36-40**) in the mining industry. **Eight** cases had **10-15** percentage loss of hearing (PLH), followed by **four** cases with **16-20%** and **one** case with **≥50%** PLH.

Table 7.7.2 Analysis of noise-induced hearing loss (NIHL) from platinum mines: July 2023/24

	Years of service	Percentage loss of hearing (PLH)									Total
		10-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%	>50%	
Platinum	1 - 5	1	0	0	0	0	0	0	0	0	1
	6 - 10	1	0	0	0	0	0	0	0	0	1
	11-15	2	0	0	0	0	0	0	0	0	2
	16 - 20	5	0	0	0	0	0	0	0	0	5
	21-25	2	3	0	1	0	0	0	0	0	6
	26-30	0	1	0	0	0	0	0	1	0	2
	31-35	0	0	2	0	0	0	0	0	0	2
	36-40	5	3	1	1	0	0	0	0	0	10
	41+	1	1	0	0	0	0	0	0	0	2
	<b>Total</b>	<b>17</b>	<b>8</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>31</b>

Table 7.7.2 above shows **31** noise induced hearing loss (NIHL) cases reported from the platinum sector during July 2023/24. Two cases had **10-15** percentage loss of hearing (PLH) with **≥1-5** and **≥6-10 years** of service in the mining industry, respectively.

Table 7.7.3 Analysis of noise-induced hearing loss (NIHL) from coal mines: Julye 2023/24

	Years of service	Percentage loss of hearing (PLH)									Total
		10-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%	>50%	
Coal	1 - 5	0	0	0	0	0	0	0	0	0	0
	6 - 10	0	0	0	0	0	0	0	0	0	0
	11-15	0	0	0	0	0	0	0	0	0	0
	16 - 20	0	1	0	0	0	0	0	0	0	1
	21-25	0	0	1	0	0	0	0	0	0	1
	26-30	0	0	0	0	0	0	0	0	0	0
	31-35	0	0	0	0	0	0	0	0	0	0
	36-40	0	0	0	0	0	0	0	0	0	0
	41+	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>



During July 2023/24, the coal sector reported **two** NIHL cases as illustrated on table 7.7.3 above. The cases had **≥10 years of service (16-20 and 21-25)** in the mining industry.

Table 7.7.4 Analysis of noise-induced hearing loss (NIHL) from chrome mines: July 2023/24

No cases of noise induced hearing loss (NIHL) were reported from the chrome sector for July 2023/24.

Table 7.7.5 Analysis of noise induced hearing loss by workplace (gold, platinum, coal and chrome mines): July 2023

	Gold		Platinum		Coal		Chrome	
	U/G	Surface	U/G	Surface	U/G	Surface	U/G	Surface
July	11	2	31	0	1	1	0	0
<b>Total</b>	<b>11</b>	<b>2</b>	<b>31</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>

Table 7.7.5 above indicates that most of the noise induced hearing loss (NIHL) cases reported were amongst employees working underground at both platinum and gold mines. The coal mines had **one** case for both underground and surface, respectively.

The analysis of NIHL by workplace is deemed necessary to highlight key areas for the mines' implementation of hearing conservation programmes and the Mine Health and Safety Inspectorate (MHSI) focused noise audits/inspections.

### 7.8 ANALYSIS OF DEATHS DUE TO WORK-RELATED DISEASES

No cases of deaths due to work-related diseases were reported for both reporting periods.

### 7.9 CONCLUSION

Statistics show that during July 2023/24, the most common occupational diseases reported by mines are occupational lung diseases (OLD), mainly pulmonary tuberculosis and silicosis cases; noise induced hearing loss (NIHL), and musculoskeletal disorders (MSDs).

### 7.10 RECOMMENDATIONS

The mines should put more focus on implementing engineering controls to reduce major health risks which include airborne pollutants such as silica dust and coal dust, noise, vibration, and heat. Furthermore, the mines' risk management should prioritize measures to mitigate the harmful effects of ergonomic hazards, particularly in the gold and platinum sectors.



## 8. STATUS REPORT ON THE MINE HEALTH AND SAFETY COUNCIL (MHSC) AWARD SCHEME 2023

**Table 8.1 Mines that have achieved the safety awards:**

NO	MINE	AWARD	DATE RECORDED	DATE OF LAST FATALITY (prior to this achievement)
1	Impala Platinum 11 Shaft	Million (2)	09/01/2023	05/09/2014
2	Forzando Colliery South Mine	Thousand (18)	23/01/2023	Never
3	Weltevreden Colliery	Thousand (8)	25/01/2023	Never
4	Middelburg Townlands Colliery	Thousand (16)	29/01/2023	Never
5	Venetia Diamond Mine	Million (8)	31/01/2023	25/03/2018
6	Dorfontein Colliery East Mine	Thousand (12)	18/02/2023	Never
7	Black Rock Mine Operations	Million (11)	23/02/2023	23/04/2009
8	Impala Platinum 12 Shaft	Million (2)	24/02/2023	18/05/2020
9	Driefontein Gold Mine	Million (2)	27/02/2023	19/01/2022
10	Modikwa Platinum Mine	Million (1)	04/03/2023	10/06/2022
11	Kloof Gold Mine	Million (1)	10/03/2023	08/10/2022
12	Goedgevonden Colliery	Thousand (16)	13/03/2023	23/06/2008
13	Helena Mine	Thousand (7)	15/03/2023	20/09/2016
14	Goedgevonden Colliery	Thousand (16)	16/03/2023	23/06/2008
15	Moab Khotsong Gold Mine	Million (1)	20/03/2023	13/08/2022
16	Target 1 Gold Mine	Million (1)	28/03/2023	03/02/2021
17	Isibonelo Colliery	Thousand (13)	29/03/2023	11/06/2005
18	Impala Platinum 10 Shaft	Million (3)	15/04/2023	17/06/2019
19	Thorncliffe Mine	Thousand (5)	18/04/2023	27/08/2018
20	Forzando Colliery North Mine	Thousand (25)	26/04/2023	15/06/1999
21	Greenside Colliery	Thousand (10)	27/04/2023	20/02/2013
22	Beeshoek Iron Ore	Thousand (22)	03/05/2023	12/03/2003
23	Mototolo Lebowa Mine	Thousand (14)	13/05/2023	Never
24	Sibanye Stillwater Marikana Operations K3 Shaft	Million (5)	13/05/2023	10/03/2019
25	Sibanye Stillwater Gold Burnstone Mine	Million (1)	04/06/2023	13/04/2023
26	Khumani Iron Ore Mine	Thousand (6)	30/06/2023	12/04/2015
27	iMpunzi ATC Plant	Thousand (21)	11/07/2023	02/12/2001
28	iMpunzi Central Plant	Thousand (21)	11/07/2023	02/12/2001
29	Namakwa Diamonds	Thousand (7)	31/07/2023	Never