## SAMRASS: Fatalities and injuries per commodity/region: Weekly report 2022

(Provisional statistics)

| Commodity | Fatalities* | | | | | | Injuries* | | |
|---|---|---|---|---|---|---|---|---|---|
| | Actual | | | | | | Actual | | |
| | 01/01/2021 - 30/11/2021 | 01/01/2022 - 30/11/2022 | % change | Total fatal accidents** 2021 | Total fatal accidents** 2022 | % change | 01/01/2021 - 30/11/2021 | 01/01/2022 - 30/11/2022 | % change |
| Total | 61 | 46 | -25 | 55 | 37 | -33 | 2032 | 1797 | -12 |
| Gold | 23 | 15 | -35 | 21 | 10 | -52 | 704 | 486 | -31 |
| Coal | 9 | 6 | -33 | 7 | 5 | -29 | 168 | 163 | -3 |
| Platinum | 19 | 17 | -11 | 17 | 14 | -18 | 965 | 930 | -4 |
| Other | 10 | 8 | -20 | 10 | 8 | -20 | 195 | 218 | 12 |

* Provisional figures

| Region | Fatalities* | | | | | | Injuries* | | |
|---|---|---|---|---|---|---|---|---|---|
| | Actual | | | | | | Actual | | |
| | 01/01/2021 - 30/11/2021 | 01/01/2022 - 30/11/2022 | % change | Total fatal accidents | Total fatal accidents | % change | 01/01/2021 - 30/11/2021 | 01/01/2022 - 30/11/2022 | % Change |
| Total | 61 | 46 | -25 | 55 | 37 | -33 | 2032 | 1797 | -12 |
| Western Cape | 1 | 1 | 0 | 1 | 1 | 0 | 6 | 9 | 50 |
| Northern Cape | 5 | 1 | -80 | 5 | 1 | -80 | 51 | 58 | 14 |
| Free State | 6 | 3 | -50 | 6 | 3 | -50 | 201 | 144 | -28 |
| Eastern Cape | 0 | 0 | #DIV/0! | 0 | 0 | #DIV/0! | 3 | 2 | -33 |
| KwaZulu/Natal | 1 | 1 | 0 | 1 | 1 | 0 | 19 | 15 | -21 |
| Mpumalanga | 9 | 6 | -33 | 7 | 5 | -29 | 167 | 184 | 10 |
| Limpopo | 4 | 3 | -25 | 4 | 2 | -50 | 120 | 135 | 13 |
| Gauteng | 13 | 9 | -31 | 12 | 5 | -58 | 420 | 236 | -44 |
| Klerksdorp | 4 | 2 | -50 | 3 | 2 | -33 | 105 | 121 | 15 |
| Rustenburg | 18 | 20 | 11 | 16 | 17 | 6 | 940 | 893 | -5 |

* Provisional figures

** Number of accidents in which persons died, catering for multiple fatalities.

| All Mines Fatalities per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021 30/11/2021 | 01/01/2022- 30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 21 | 4 | -81 |
| MACHINERY | 6 | 1 | -83 |
| TRANSPORTATION AND MINING | 14 | 16 | 14 |
| GENERAL | 12 | 15 | 25 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 1 | 1 | 0 |
| ELECTRICITY | 1 | 1 | 0 |
| FIRES | 0 | 1 | 100 |
| EXPLOSIVES | 1 | 1 | 0 |
| SUBSIDENCE OR CAVING | 1 | 0 | -100 |
| HEAT SICKNESS | 3 | 0 | -300 |
| DIVING SICKNESS | 0 | 0 | #DIV/0! |
| OCCUPATIONAL DISEASES | 0 | 0 | #DIV/0! |
| MISCELLANEOUS (specify) | 1 | 6 | 500 |
| TOTAL | 61 | 46 | -25 |

| Gold Mines Fatalities per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021 30/11/2021 | 01/01/2022- 30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 10 | 2 | -80 |
| MACHINERY | 2 | 0 | -200 |
| TRANSPORTATION AND MINING | 3 | 4 | 33 |
| GENERAL | 3 | 5 | 67 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 0 | 1 | 100 |
| ELECTRICITY | 1 | 0 | -100 |
| FIRES | 0 | 1 | 100 |
| EXPLOSIVES | 0 | 0 | #DIV/0! |
| SUBSIDENCE OR CAVING | 0 | 0 | #DIV/0! |
| HEAT SICKNESS | 3 | 0 | -100 |
| DIVING SICKNESS | 0 | 0 | #DIV/0! |
| OCCUPATIONAL DISEASES | 0 | 0 | #DIV/0! |
| MISCELLANEOUS (specify) | 1 | 2 | 200 |
| TOTAL | 23 | 15 | -35 |

| Coal Mines Fatalities per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021 30/11/2021 | 01/01/2022- 30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 0 | 1 | 100 |
| MACHINERY | 1 | 0 | -100 |
| TRANSPORTATION AND MINING | 2 | 2 | 0 |
| GENERAL | 5 | 2 | -60 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 1 | 0 | -100 |
| ELECTRICITY | 0 | 0 | #DIV/0! |
| FIRES | 0 | 0 | #DIV/0! |
| EXPLOSIVES | 0 | 1 | 100 |
| SUBSIDENCE OR CAVING | 0 | 0 | #DIV/0! |
| HEAT SICKNESS | 0 | 0 | #DIV/0! |
| DIVING SICKNESS | 0 | 0 | #DIV/0! |
| OCCUPATIONAL DISEASES | 0 | 0 | #DIV/0! |
| MISCELLANEOUS (specify) | 0 | 0 | #DIV/0! |
| TOTAL | 9 | 6 | 0 |

| Other Mines Fatalities per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021 30/11/2021 | 01/01/2022- 30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 2 | 0 | -200 |
| MACHINERY | 3 | 1 | -67 |
| TRANSPORTATION AND MINING | 3 | 1 | -67 |
| GENERAL | 1 | 4 | 300 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 0 | 0 | #DIV/0! |
| ELECTRICITY | 0 | 1 | 100 |
| FIRES | 0 | 0 | #DIV/0! |
| EXPLOSIVES | 0 | 0 | #DIV/0! |
| SUBSIDENCE OR CAVING | 1 | 0 | -100 |
| HEAT SICKNESS | 0 | 0 | #DIV/0! |
| DIVING SICKNESS | 0 | 0 | #DIV/0! |
| OCCUPATIONAL DISEASES | 0 | 0 | #DIV/0! |
| MISCELLANEOUS (specify) | 0 | 1 | 100 |
| TOTAL | 10 | 8 | -20 |

| Platinum Mines Fatalities per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021 30/11/2021 | 01/01/2022- 30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 9 | 1 | -89 |
| MACHINERY | 0 | 0 | #DIV/0! |
| TRANSPORTATION AND MINING | 6 | 9 | 50 |
| GENERAL | 3 | 4 | 33 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 0 | 0 | #DIV/0! |
| ELECTRICITY | 0 | 0 | #DIV/0! |
| FIRES | 0 | 0 | #DIV/0! |
| EXPLOSIVES | 1 | 0 | -100 |
| SUBSIDENCE OR CAVING | 0 | 0 | #DIV/0! |
| HEAT SICKNESS | 0 | 0 | #DIV/0! |
| DIVING SICKNESS | 0 | 0 | #DIV/0! |
| OCCUPATIONAL DISEASES | 0 | 0 | #DIV/0! |
| MISCELLANEOUS (specify) | 0 | 3 | 300 |
| TOTAL | 19 | 17 | 100 |

| All Mines Injuries per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021-30/11/2021 | 01/01/2022-30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 357 | 255 | -29 |
| MACHINERY | 153 | 140 | -8 |
| TRANSPORTATION AND MINING | 309 | 331 | 7 |
| GENERAL | 1109 | 977 | -12 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 38 | 24 | -37 |
| ELECTRICITY (Not causing fire) | 13 | 10 | -23 |
| FIRES | 3 | 5 | 67 |
| EXPLOSIVES | 7 | 1 | -86 |
| SUBSIDENCE OR CAVING | 1 | 0 | -100 |
| HEAT SICKNESS | 30 | 3 | -90 |
| DIVING SICKNESS | 0 | 0 | 0 |
| OCCUPATIONAL DISEASES | 0 | 1 | 100 |
| MISCELLANEOUS (specify) | 12 | 50 | 317 |
| TOTAL | **2032** | **1797** | **-12** |

| Gold Mines Injuries per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021-30/11/2021 | 01/01/2022-30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 190 | 95 | -50 |
| MACHINERY | 55 | 44 | -20 |
| TRANSPORTATION AND MINING | 95 | 88 | -7 |
| GENERAL | 319 | 242 | -24 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 8 | 6 | -25 |
| ELECTRICITY (Not causing fire) | 2 | 1 | -50 |
| FIRES | 0 | 0 | #DIV/0! |
| EXPLOSIVES | 5 | 0 | -500 |
| SUBSIDENCE OR CAVING | 0 | 0 | #DIV/0! |
| HEAT SICKNESS | 30 | 3 | -90 |
| DIVING SICKNESS | 0 | 0 | 0 |
| OCCUPATIONAL DISEASES | 0 | 1 | 100 |
| MISCELLANEOUS (specify) | 0 | 6 | 600 |
| TOTAL | **704** | **486** | **-31** |

| Coal Mines Injuries per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021-30/11/2021 | 01/01/2022-30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 9 | 6 | -33 |
| MACHINERY | 18 | 17 | -6 |
| TRANSPORTATION AND MINING | 38 | 30 | -21 |
| GENERAL | 97 | 101 | 4 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 0 | 0 | #DIV/0! |
| ELECTRICITY (Not causing fire) | 3 | 2 | -33 |
| FIRES | 1 | 0 | -100 |
| EXPLOSIVES | 0 | 0 | #DIV/0! |
| SUBSIDENCE OR CAVING | 1 | 0 | -100 |
| HEAT SICKNESS | 0 | 0 | #DIV/0! |
| DIVING SICKNESS | 0 | 0 | #DIV/0! |
| OCCUPATIONAL DISEASES | 0 | 0 | #DIV/0! |
| MISCELLANEOUS (specify) | 1 | 7 | 600 |
| TOTAL | **168** | **163** | **-3** |

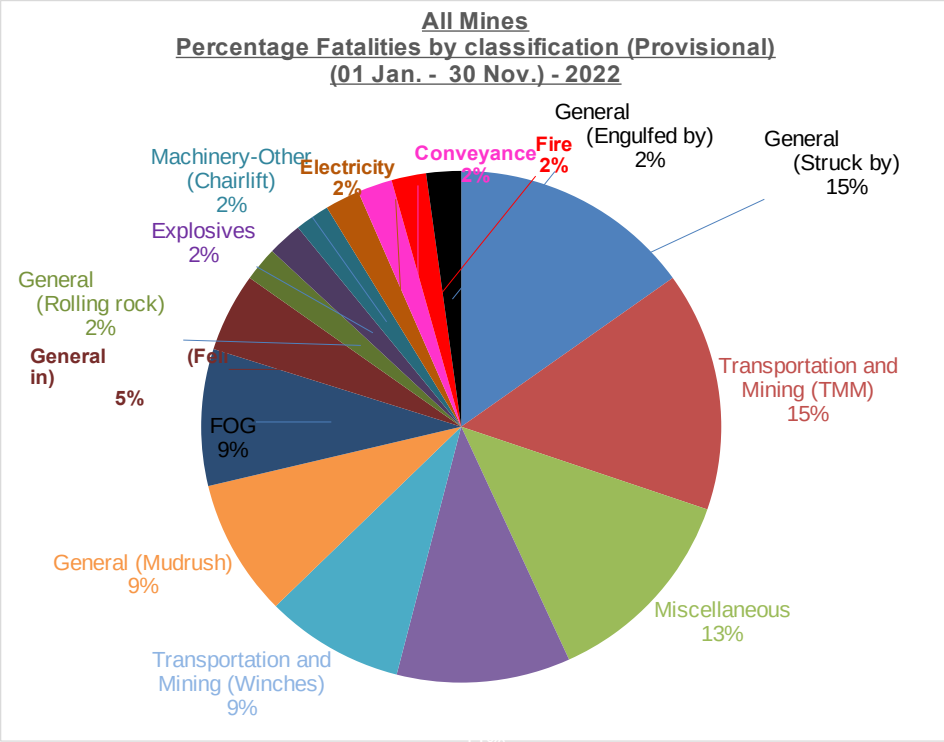
| Other Mines Injuries per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021-30/11/2021 | 01/01/2022-30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 7 | 8 | 14 |
| MACHINERY | 27 | 35 | 30 |
| TRANSPORTATION AND MINING | 23 | 40 | 74 |
| GENERAL | 125 | 119 | -5 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 2 | 0 | -100 |
| ELECTRICITY (Not causing fire) | 3 | 2 | -33 |
| FIRES | 2 | 1 | -50 |
| EXPLOSIVES | 0 | 1 | 100 |
| SUBSIDENCE OR CAVING | 0 | 0 | #DIV/0! |
| HEAT SICKNESS | 0 | 0 | #DIV/0! |
| DIVING SICKNESS | 0 | 0 | #DIV/0! |
| OCCUPATIONAL DISEASES | 0 | 0 | #DIV/0! |
| MISCELLANEOUS (specify) | 6 | 12 | 100 |
| TOTAL | **195** | **218** | **12** |

| Platinum Mines Injuries per Classification | | | |
|---|---|---|---|
| Classification | 01/01/2021-30/11/2021 | 01/01/2022-30/11/2022 | % Change |
| FALL OF GROUND/rockfall | 151 | 146 | -3 |
| MACHINERY | 53 | 44 | -17 |
| TRANSPORTATION AND MINING | 153 | 173 | 13 |
| GENERAL | 568 | 515 | -9 |
| CONVEYANCE ACCIDENTS (SHAFT/WINZE) | 28 | 18 | -36 |
| ELECTRICITY (Not causing fire) | 5 | 5 | 0 |
| FIRES | 0 | 4 | 400 |
| EXPLOSIVES | 2 | 0 | -200 |
| SUBSIDENCE OR CAVING | 0 | 0 | #DIV/0! |
| HEAT SICKNESS | 0 | 0 | #DIV/0! |
| DIVING SICKNESS | 0 | 0 | #DIV/0! |
| OCCUPATIONAL DISEASES | 0 | 0 | #DIV/0! |
| MISCELLANEOUS (specify) | 5 | 25 | 400 |
| TOTAL | **965** | **930** | **-4** |

| Classification* | Persons Fatally Injured | Percentage |
|---|---|---|
| General (Struck by) | 7 | 15% |
| Transportation and Mining (TMM) | 7 | 15% |
| Miscellaneous | 6 | 13% |
| Transportation and Mining (RBE) | 5 | 11% |
| Transportation and Mining (Winches) | 4 | 9% |
| General (Mudrush) | 4 | 9% |
| FOG | 4 | 9% |
| General (Fell in) | 2 | 5% |
| General (Rolling rock) | 1 | 2% |
| Explosives | 1 | 2% |
| Machinery-Other (Chairlift) | 1 | 2% |
| Electricity | 1 | 2% |
| Conveyance | 1 | 2% |
| Fire | 1 | 2% |
| General (Engulfed by) | 1 | 2% |
| **TOTAL** | **46** | 100% |

* provisional

**Miscellaneous: Cause of fatality not yet determined.**
**FOG: Fall of Ground**
**RBE: Railbound Equipment**
**TMM: Trackless Mobile Machines**

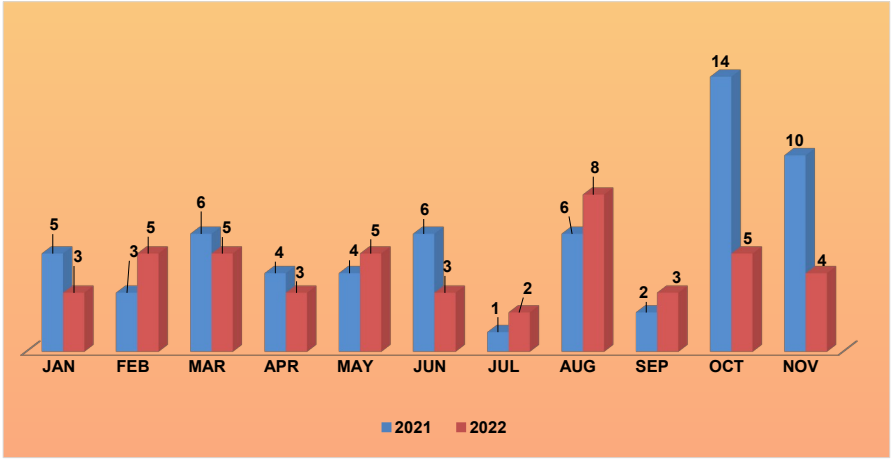


**2022 November** Provisional statistics

| Region | Mine name | Technical manager | Accident Description | Classification (Provisional) | Number of fatalities | Date | Commodity |
|---|---|---|---|---|---|---|---|
| FS | | | The now deceased Equipping and Construction Team Leader was fatally injured in a fall of ground accident while breaking big rocks at the tip after barring activity. A suspected strainburst was heard by the crew which was followed by the sidewalls falling out onto the two injured employees. The now deceased was struck on the head and chest by the falling rocks, then transported to surface bank for treatment by paramedics, where he succumbed to the injuries. | FOG | 1 | 08/11/2022 | Gold |
| RST | | | The now deceased employee was fatally injured when he was crushed against the gantry with a cherry picker. | Transportation and Mining (TMM-Lifting Equipment) | 1 | 09/11/2022 | Chrome |
| MP | | | The now deceased employee was fatally injured when he was engulfed by a collapsed trench and could not be resuscitated by CPR (Cardiopulmonary Resuscitation). A contracting company was repairing a pipe leak on a fire hydrant and they had opened a trench where the accident occurred. | General (Engulfed by) | 1 | 18/11/2022 | Coal |
| LP | | | **Subsequent fatality:** The now deceased Engineering Assistant was injured on 09-November-2022 when he fell through the mentis gratis and landed on the mill floor approximately 3.7m. He was transported to hospital and discharged on 15-November-2022. He was then reported to have passed away on 16-November-2022. | Miscellaneous | 1 | 15/11/2022 | Platinum |
| | | | | | 4 | | |

| | 2021 | 2022 | % Change |
|---|---|---|---|
| JAN | 5 | 3 | -40 |
| FEB | 3 | 5 | 67 |
| MAR | 6 | 5 | -17 |
| APR | 4 | 3 | -25 |
| MAY | 4 | 5 | 25 |
| JUN | 6 | 3 | -50 |
| JUL | 1 | 2 | 100 |
| AUG | 6 | 8 | 33 |
| SEP | 2 | 3 | 50 |
| OCT | 14 | 5 | -64 |
| NOV | 10 | 4 | -60 |
| Year | 61 | 46 | -25 |

as on 30-Nov.-2022



**Fatalities 2022**

| | Gold | Coal | Platinum | Other | |
|---|---|---|---|---|---|
| January | 2 | 0 | 1 | 0 | |
| February | 1 | 1 | 1 | 2 | |
| March | 1 | 2 | 1 | 1 | |
| April | 1 | 0 | 1 | 1 | |
| May | 4 | 0 | 0 | 1 | |
| June | 1 | 0 | 2 | 0 | |
| July | 1 | 0 | 1 | 0 | |
| August | 1 | 2 | 3 | 2 | |
| September | 0 | 0 | 3 | 0 | |
| October | 2 | 0 | 3 | 0 | |
| November | 1 | 1 | 1 | 1 | as on 30-N |
| **Total:** | **15** | **6** | **17** | **8** | |
| **Grand total:** | **46** | | | | |

**Fatalities 2021**

| | W Cape | N Cape | F State | E Cape | KZN | Mpumalanga | Limpopo | Gauteng | Klerksdorp | Rustenburg | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | |
| February | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | |
| March | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | |
| April | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | |
| May | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | |
| June | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | |
| July | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| August | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | |
| September | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| October | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | |
| November | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | as on 30-I |
| **Total:** | **1** | **1** | **3** | **0** | **1** | **6** | **3** | **9** | **2** | **20** | |

| | |
|---|---|
| **Total:** | **46** |

| WIM (Women in Mining) FATALITIES PER CLASSIFICATION | | | | | | |
|---|---|---|---|---|---|---|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 to 30 Nov. |
| FALL OF GROUND | 1 | 0 | 1 | 1 | 0 | 0 |
| MACHINERY | 0 | 1 | 0 | 0 | 0 | 0 |
| TRANSPORTATION AND MINING | 1 | 0 | 0 | 0 | 0 | 2 |
| GENERAL | 1 | 0 | 1 | 0 | 1 | 1 |
| CONVEYANCE ACCIDENTS | 0 | 0 | 0 | 0 | 0 | 0 |
| ELECTRICITY | 0 | 0 | 0 | 0 | 0 | 0 |
| FIRES | 0 | 0 | 0 | 0 | 0 | 0 |
| EXPLOSIVES | 0 | 0 | 0 | 0 | 0 | 0 |
| SUBSIDENCE OR CAVING | 0 | 0 | 0 | 0 | 0 | 0 |
| HEAT SICKNESS | 0 | 0 | 0 | 0 | 0 | 0 |
| MISCELLANEOUS | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL** | **3** | **1** | **2** | **1** | **1** | **3** |

| WIM (Women in Mining) INJURIES PER CLASSIFICATION | | | | | | |
|---|---|---|---|---|---|---|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 to 30 Nov. |
| FALL OF GROUND | 6 | 8 | 7 | 3 | 9 | 5 |
| MACHINERY | 9 | 5 | 8 | 7 | 4 | 6 |
| TRANSPORTATION AND MINING | 28 | 33 | 31 | 31 | 15 | 25 |
| GENERAL | 115 | 123 | 121 | 102 | 121 | 132 |
| CONVEYANCE ACCIDENTS | 8 | 9 | 13 | 6 | 11 | 6 |
| ELECTRICITY | 2 | 0 | 1 | 0 | 1 | 1 |
| FIRES | 0 | 2 | 1 | 0 | 0 | 0 |
| EXPLOSIVES | 0 | 2 | 0 | 0 | 1 | 0 |
| SUBSIDENCE OR CAVING | 0 | 0 | 0 | 0 | 1 | 0 |
| HEAT SICKNESS | 0 | 0 | 0 | 0 | 0 | 1 |
| MISCELLANEOUS | 8 | 5 | 1 | 1 | 3 | 3 |
| **TOTAL** | **176** | **187** | **183** | **150** | **166** | **179** |