

SAMRASS: Fatalities and injuries per commodity/region: Weekly report 2021

(Provisional statistics)

	Fatalities*						Injuries*		
	Actual						Actual		
	01/01/2020 - 20/12/2020	01/01/2021 - 20/12/2021	% change	Total fatal accidents** 2020	Total fatal accidents** 2021	% change	01/01/2020 - 20/12/2020	01/01/2021 - 20/12/2021	% change
Total	55	74	35	51	61	20	1789	2014	13
Gold	25	30	20	24	22	-8	613	676	10
Coal	6	21	67	6	7	17	145	168	16
Platinum	15	10	40	12	19	58	768	992	29
Other	9	13	44	9	13	44	263	178	-32

* Provisional figures

Region	Fatalities*						Injuries*		
	Actual						Actual		
	01/01/2020 - 20/12/2020	01/01/2021 - 20/12/2021	% change	Total fatal accidents	Total fatal accidents	% change	01/01/2020 - 20/12/2020	01/01/2021 - 20/12/2021	% Change
Total	55	74	35	51	61	20	1789	2014	13
Western Cape	0	1	100	0	1	100	15	4	-73
Northern Cape	2	6	200	2	6	200	88	44	-50
Free State	7	10	43	7	8	14	196	202	3
Eastern Cape	0	0	0	0	0	0	4	3	-25
KwaZulu/Natal	1	1	0	1	1	0	16	15	-6
Mpumalanga	6	10	67	6	7	17	156	169	8
Limpopo	8	6	-25	4	6	50	131	101	-23
Gauteng	15	16	7	15	11	-27	349	390	12
Klerksdorp	4	4	0	4	3	-25	94	107	14
Rustenburg	12	20	67	12	18	50	740	979	32

* Provisional figures

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

All Mines Fatalities per Classification			
Classification	01/01/2020 20/12/2020	01/01/2021- 20/12/2021	% Change
FALL OF GROUND/rockfall	22	20	-9
MACHINERY	4	3	-25
TRANSPORTATION AND MINING	8	16	100
GENERAL	14	22	57
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	3	1	-67
ELECTRICITY	1	2	100
FIRES	0	1	100
EXPLOSIVES	1	2	200
SUBSIDENCE OR CAVING	0	0	0
HEAT SICKNESS	1	3	200
DIVING SICKNESS	0	0	0
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	1	4	300
TOTAL	55	74	35

Gold Mines Fatalities per Classification			
Classification	01/01/2020 20/12/2020	01/01/2021- 20/12/2021	% Change
FALL OF GROUND/rockfall	11	9	-18
MACHINERY	1	0	-100
TRANSPORTATION AND MINING	2	8	300
GENERAL	8	5	-38
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	0	0	0
ELECTRICITY	1	0	-100
FIRES	0	1	100
EXPLOSIVES	1	1	0
SUBSIDENCE OR CAVING	0	0	0
HEAT SICKNESS	1	3	200
DIVING SICKNESS	0	0	0
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	0	3	300
TOTAL	25	30	20

Coal Mines Fatalities per Classification			
Classification	01/01/2020 20/12/2020	01/01/2021- 20/12/2021	% Change
FALL OF GROUND/rockfall	3	0	-300
MACHINERY	1	1	0
TRANSPORTATION AND MINING	2	1	-50
GENERAL	0	6	600
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	0	1	100
ELECTRICITY	0	0	0
FIRES	0	0	0
EXPLOSIVES	0	0	0
SUBSIDENCE OR CAVING	0	0	0
HEAT SICKNESS	0	0	0
DIVING SICKNESS	0	0	0
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	0	1	100
TOTAL	6	10	67

Other Mines Fatalities per Classification			
Classification	01/01/2020 20/12/2020	01/01/2021- 20/12/2021	% Change
FALL OF GROUND/rockfall	3	1	-67
MACHINERY	1	2	200
TRANSPORTATION AND MINING	1	1	0
GENERAL	3	7	133
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	0	0	0
ELECTRICITY	0	2	200
FIRES	0	0	0
EXPLOSIVES	0	0	0
SUBSIDENCE OR CAVING	0	0	0
HEAT SICKNESS	0	0	0
DIVING SICKNESS	0	0	0
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	1	0	-100
TOTAL	9	13	44

Platinum Mines Fatalities per Classification			
Classification	01/01/2020 20/12/2020	01/01/2021- 20/12/2021	% Change
FALL OF GROUND/rockfall	5	10	100
MACHINERY	1	0	-100
TRANSPORTATION AND MINING	3	6	100
GENERAL	3	4	33
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	3	0	-300
ELECTRICITY	0	0	0
FIRES	0	0	0
EXPLOSIVES	0	1	100
SUBSIDENCE OR CAVING	0	0	0
HEAT SICKNESS	0	0	0
DIVING SICKNESS	0	0	0
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	0	0	0
TOTAL	15	21	40

All Mines Injuries per Classification			
Classification	01/01/2020-20/12/2020	01/01/2021-20/12/2021	% Change
FALL OF GROUND/rockfall	303	368	21
MACHINERY	120	156	30
TRANSPORTATION AND MINING	321	305	-5
GENERAL	977	1048	7
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	24	41	71
ELECTRICITY (Not causing fire)	11	12	9
FIRES	0	4	400
EXPLOSIVES	3	7	133
SUBSIDENCE OR CAVING	0	1	100
HEAT SICKNESS	7	4	-43
DIVING SICKNESS	0	1	100
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	23	67	191
TOTAL	1789	2014	13

Gold Mines Injuries per Classification			
Classification	01/01/2020-20/12/2020	01/01/2021-20/12/2021	% Change
FALL OF GROUND/rockfall	155	189	22
MACHINERY	28	59	111
TRANSPORTATION AND MINING	106	98	-8
GENERAL	308	301	-2
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	6	8	33
ELECTRICITY (Not causing fire)	3	2	-33
FIRES	0	0	0
EXPLOSIVES	0	5	500
SUBSIDENCE OR CAVING	0	0	0
HEAT SICKNESS	5	4	-20
DIVING SICKNESS	0	0	0
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	2	10	400
TOTAL	613	676	10

Coal Mines Injuries per Classification			
Classification	01/01/2020-20/12/2020	01/01/2021-20/12/2021	% Change
FALL OF GROUND/rockfall	18	10	-44
MACHINERY	17	19	12
TRANSPORTATION AND MINING	28	40	43
GENERAL	76	78	3
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	0	0	0
ELECTRICITY (Not causing fire)	1	3	200
FIRES	0	1	100
EXPLOSIVES	0	0	0
SUBSIDENCE OR CAVING	0	1	100
HEAT SICKNESS	0	0	0
DIVING SICKNESS	0	0	0
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	5	16	220
TOTAL	145	168	16

Other Mines Injuries per Classification			
Classification	01/01/2020-20/12/2020	01/01/2021-20/12/2021	% Change
FALL OF GROUND/rockfall	11	7	-36
MACHINERY	28	29	4
TRANSPORTATION AND MINING	50	22	-56
GENERAL	164	101	-38
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	1	2	100
ELECTRICITY (Not causing fire)	4	2	-50
FIRES	0	3	300
EXPLOSIVES	2	0	-200
SUBSIDENCE OR CAVING	0	0	0
HEAT SICKNESS	1	0	-100
DIVING SICKNESS	0	0	0
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	2	12	500
TOTAL	263	178	-32

Platinum Mines Injuries per Classification			
Classification	01/01/2020-20/12/2020	01/01/2021-20/12/2021	% Change
FALL OF GROUND/rockfall	119	162	36
MACHINERY	47	49	4
TRANSPORTATION AND MINING	137	145	6
GENERAL	429	568	32
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	17	31	82
ELECTRICITY (Not causing fire)	3	5	67
FIRES	0	0	0
EXPLOSIVES	1	2	100
SUBSIDENCE OR CAVING	0	0	0
HEAT SICKNESS	1	0	-100
DIVING SICKNESS	0	1	100
OCCUPATIONAL DISEASES	0	0	0
MISCELLANEOUS (specify)	14	29	107
TOTAL	768	992	29

Classification*	Persons Fatally Injured	Percentage
FOG	20	27%
General (Fell from/in)	8	11%
Transportation and Mining (TMM)	8	11%
Transportation and Mining (RBE)	5	7%
Miscellaneous	4	6%
Electricity	4	6%
General (Struck by)	3	4%
Heat Exhaustion	3	4%
Machinery	3	4%
General (Drowning)	3	4%
General (Mudrush)	3	4%
Transportation and Mining (Winches)	3	4%
Explosives	2	3%
General (Squeezed between)	1	1%
General (Crushed between)	1	1%
Fire	1	1%
General (Rolling rock)	1	1%
General (Inundation)	1	1%
TOTAL	74	100%

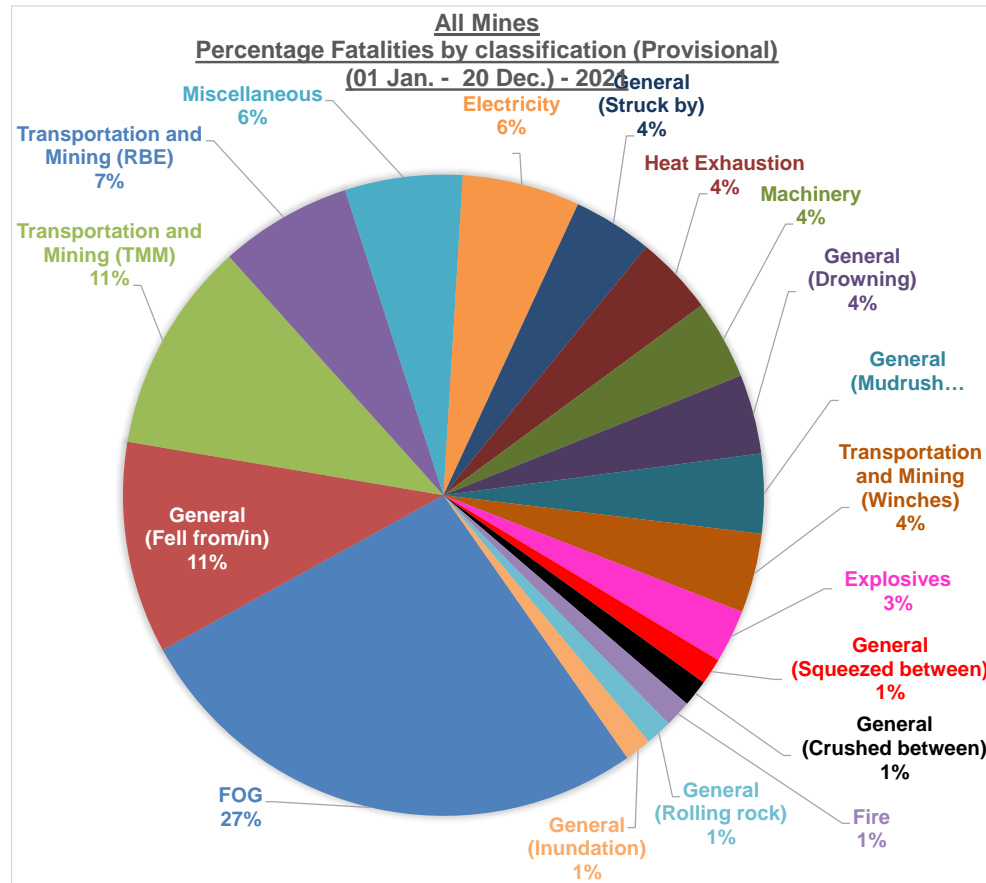
* provisional

FOG: Fall of Ground

RBE: Railbound Equipment

Miscellaneous: Cause of fatality not yet determined

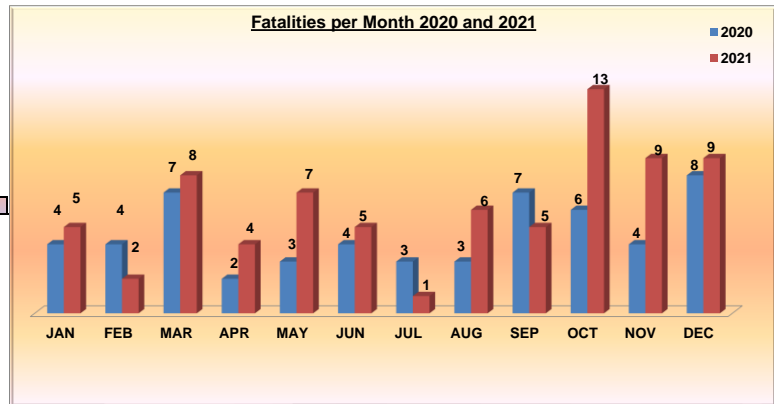
TMM: Trackless Mobile Machinery



2021 December		Provisional statistics					
Region	Mine name	Technical manager	Accident Description	Classification (Provisional)	Number of fatalities	Date	Commodity
RST			The now deceased Team Leader was fatally injured in a fall of ground accident. He was busy barring in the development end when the rock fell on him. He succumbed to injuries sustained when arrived at a private hospital.	FOG	1	03/12/2021	Platinum
FS			The now deceased three (3) employees were fatally injured in a Trackless Mobile Machinery Accident. The Load Haul Dump (LHD) Operator/Artisan had lost control of the LHD in the shaft bottom decline where spillage was being loaded and fatally struck two (2) employees, a Rock Drill Operator and a woman Pump Attendant. The LHD Operator had sustained serious injuries and succumbed to the injuries en route to the shaft.	Transportation and Mining (TMM)	3	03/12/2021	Gold
RST			The now deceased Spiral Operator was fatally injured when he was engulfed within a feedbin on surface.	General (Inundation)	1	08/12/2021	Chrome
LP			The now deceased contractor Rigger subsequently succumbed to internal bleeding at a hospital in town, after he fell approximately 27m at the construction site. It appears that the now deceased was wearing his safety harness, which was not secured.	General (Fell from)	1	09/12/2021	Copper
GP			The now deceased Team Leader was fatally injured when he was struck by a return snatch block which came loose from the anchoring points.	Transportation and Mining (Winches)	1	10/12/2021	Gold
GP			The now deceased Driver Heavy Duty was fatally injured when his truck overturned, after he lost control at a downhill circle. The truck was transporting 3.8 tons of old electrical cables to the salvage yard.	Transportation and Mining (TMM)	1	14/12/2021	Gold
LP			The now deceased Electrical Supervisor was fatally injured during an electrocution accident. The now deceased was meant to replace a 110 volt relay on a mini substation.	Electricity	1	19/12/2021	Copper
					9		

	2020	2021	% Change
JAN	4	5	25
FEB	4	2	-50
MAR	7	8	14
APR	2	4	100
MAY	3	7	133
JUN	4	5	25
JUL	3	1	-67
AUG	3	6	100
SEP	7	5	-29
OCT	6	13	117
NOV	4	9	125
DEC	8	9	13
Year	55	74	35

as on 20-12-2021



Fatalities 2021

	Gold	Coal	Platinum	Other
January	4	0	1	0
February	2	0	0	0
March	2	2	2	2
April	3	0	1	0
May	2	2	2	1
June	1	1	1	2
July	1	0	0	0
August	1	2	3	0
September	4	0	1	0
October	4	3	3	3
November	1	0	6	2
December	5	0	1	3
Total:	30	10	21	13
Grand total:	74			

Fatalities 2021

	W Cape	N Cape	F State	E Cape	KZN	Mpumalanga	Limpopo	Gauteng	Klerksdorp	Rustenburg
January	0	0	3	0	0	0	0	1	0	1
February	0	0	1	0	0	0	0	1	0	0
March	1	1	0	0	0	2	0	0	2	2
April	0	0	1	0	0	0	0	2	0	1
May	0	1	0	0	0	2	1	2	0	1
June	0	1	0	0	0	1	0	1	0	2
July	0	0	1	0	0	0	0	0	0	0
August	0	0	0	0	0	2	0	0	1	3
September	0	0	0	0	0	0	1	4	0	0
October	0	1	0	0	1	3	1	3	1	3
November	0	2	1	0	0	0	1	0	0	5
December	0	0	3	0	0	0	2	2	0	2
Total:	1	6	10	0	1	10	6	16	4	20

Total: 74