



Road Traffic
Management Corporation

State of Road Safety Report

Quarterly Report: October – December 2022



transport

Department:
Transport
REPUBLIC OF SOUTH AFRICA



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List of acronyms and abbreviations

CHOCOR	:	CULPABLE HOMICIDE CRIME: OBSERVATION REPORT
EC	:	EASTERN CAPE
GA	:	GAUTENG
FS	:	FREE STATE
LI	:	LIMPOPO
MP	:	MPUMALANGA
NC	:	NORTHERN CAPE
NW	:	NORTH WEST
WC	:	WESTERN CAPE
KZN	:	KWAZULU NATAL
SAPS	:	SOUTH AFRICAN POLICE SERVICE
NATIS	:	NATIONAL TRAFFIC INFORMATION SYSTEM

1. OBJECTIVE OF THE REPORT

This report is aimed at achieving the following objectives:

- To provide road traffic fatal crashes and fatalities statistics based on the Culpable Homicide Crash: Observation Report (CHoCOR) Forms and provincial inputs; and
- To present statistics on registered vehicles, un-roadworthy vehicles, un-licenced vehicles, driving licence and professional driving permits issued.

2. EXECUTIVE SUMMARY

The report provides fatal road crash statistics in South African public roads. The performance is for the period October to December 2022. The performance per each focus areas have been provided below.

Road Crashes Data

A total of 3 211 fatalities were recorded between October and December 2022 compared to 3 637 for the same period in 2021. For the same period 2 684 fatal crashes were recorded compared to 3 000 period in 2021. This is a reduction of 11.7% for fatalities and 10.5% fatal crashes.

Vehicle and driver population

Number of registered vehicles decreased by 7,222 (0.06%) from 12,957,208 in December 2021 to 12,964,430 vehicles in December 2022.

Number of learner driving licences issued increased by 8,079 (25.74%) from 1 081,615 in December 2021 to 1,089,694 in December 2022.

Number of driving licences issued increased by 481 231 (3.34%) from 14,416,294 in December 2021 to 14,897,525 in December 2022.

The number of Professional Driving Permits (PrDP's) issued decreased by 256,404 (18.92%) from 1,355,241 in December 2021 to 1,098,837 in December 2022.

SECTION A

1. INTRODUCTION

This report compares fatal crashes reported to police stations between October and December 2021 and October and December 2022 using the CHoCOR Forms and information recorded by provinces. The report includes information on registered vehicles, driving licences and professional driving permits issued from the National Traffic Information System (NaTIS); and information on population growth using the 2021 mid-year population estimates from Statistics South Africa (Stats SA).

2. METHODOLOGY

2.1 Road crash data collection methodology

The Culpable Homicide Crash Observation Report (CHoCOR) forms are used to collect fatal crashes data on daily basis. South African Police Service (SAPS) and Provincial Departments of Road and Transport are the sources of fatal crash data. SAPS provides the Road Traffic Management Corporation (RTMC) with a list of all recorded fatal crashes (called the CAS list) and further to this the RTMC receives CHoCOR forms from various police stations; the provincial departments also submit data on fatal crashes to RTMC. RTMC validates all inputs for consistency, captures, processes, and verifies the data and compiles the report.

2.2 Crash Data Flow

Data is collected through the CHoCOR forms and provincial inputs. The data is then submitted to RTMC.

2.3 Data processing

The data is received from the three areas (SAPS, CHoCOR and provinces), validated, captured, processed, and verified for the compilation of the consolidated statistical report. There is a continuous engagement with SAPS and provinces for validation purpose.

2.4 Limitations

The road traffic information contained in the report is based on the fatal crashes only. There is still a need for collection of all road crashes, traffic volumes, road conditions, weather reports amongst others to complement the data currently collected.

2.5 Instruments

The Culpable Homicide Crash Observation Report (CHoCOR) forms and provincial inputs are used by RTMC record fatality data on daily basis.

3. ROAD FATAL CRASHES

The section covers fatal road crash data. The section encompasses the number of fatal crashes and fatalities, contributory factors, fatality data per road user group and major crashes.

3.1 Number of fatal crashes

The table below provides a comparison between the third quarter of the financial year 2021/22 and third quarter of the financial year 2022/23. Nationally there has been a decrease of 316 (10.5%) fatal crashes. At a provincial level all provinces recorded a decrease. In terms of decrease in number of fatal crashes the highest decreases were in Kwa-Zulu Natal at (110) followed by Gauteng at (74). The highest percentage (%) decreases were in North West at (24.0%) and Kwa-Zulu Natal at (18.2%).

FATAL CRASHES PER PROVINCE										
Quarter 3	EC	FS	GP	KZN	LP	MP	NC	NW	WC	RSA
2021 Q3	347	170	648	603	305	285	106	208	328	3000
2022 Q3	338	160	574	493	283	277	91	158	310	2684
DIFF	-9	-10	-74	-110	-22	-8	-15	-50	-18	-316
%DIFF	-2,6%	-5,9%	-11,4%	-18,2%	-7,2%	-2,8%	-14,2%	-24,0%	-5,5%	-10,5%

Table 1: Number of fatal crashes per Province

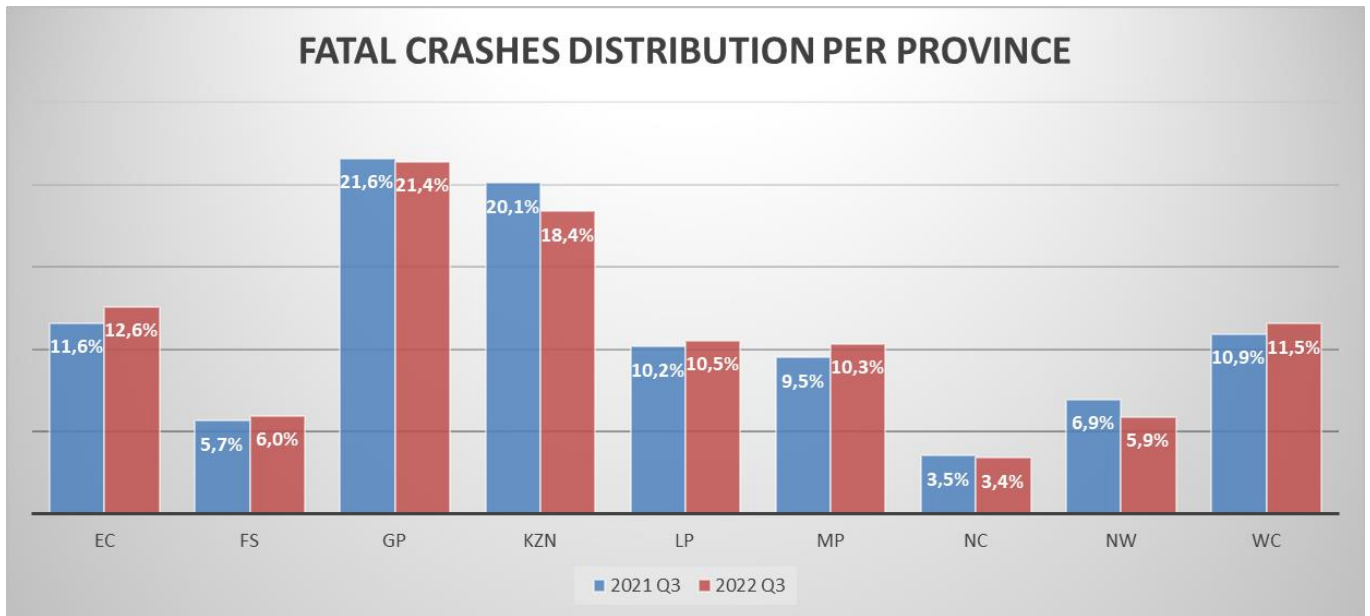


Figure 1: Percentage distribution of fatal crashes per province

The above figure shows percentage distribution of fatal crashes per province. The provinces with the highest contribution are Gauteng and KwaZulu-Natal at 21.4% and 18.4% respectively for 2022. Thirty-nine 39.8% of fatal crashes for the period under review are from Gauteng and KwaZulu-Natal.

3.1.1 Fatal Crashes per Day of Week

The details of the crashes per day of the week are given in the figure below. The weekend days (Friday, Saturday, and Sunday) remain the most contributors of fatal crashes at 61.7% fatal crashes from these three days for 2022. Saturdays and Sundays contribute 47.6% to fatal crashes in 2022.

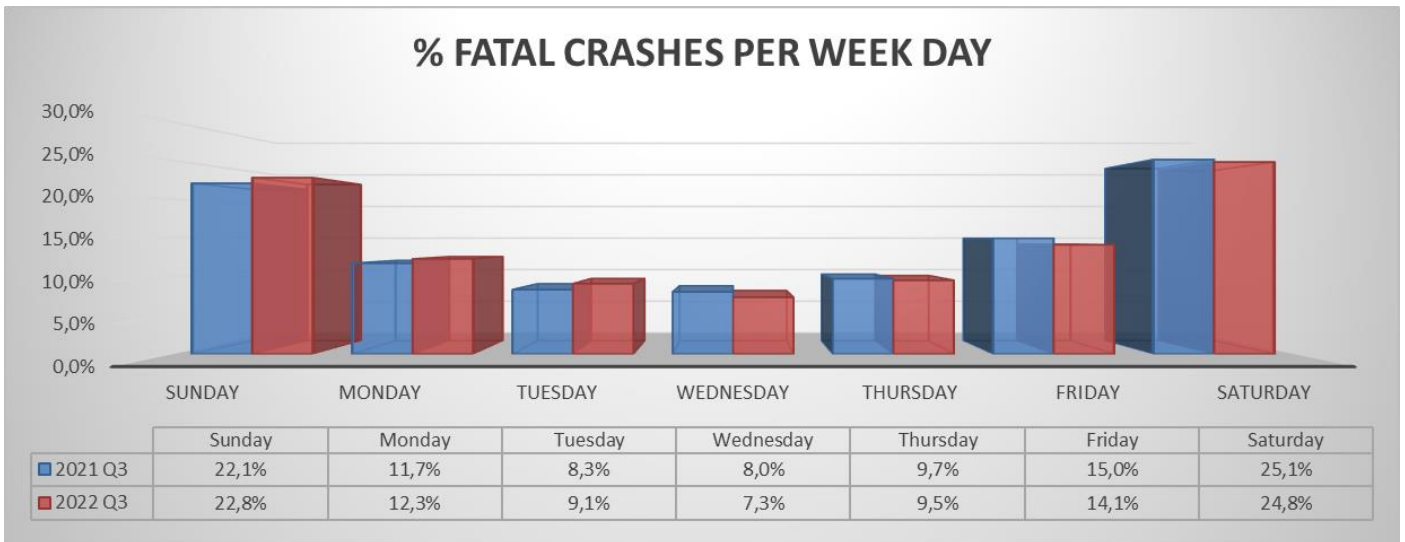


Figure 2: Percentage distribution of fatal crashes per day of week

3.1.2 Fatal Crashes per time of day

The percentage of fatal crashes per time of day for the period under review is reflected in the figure below.

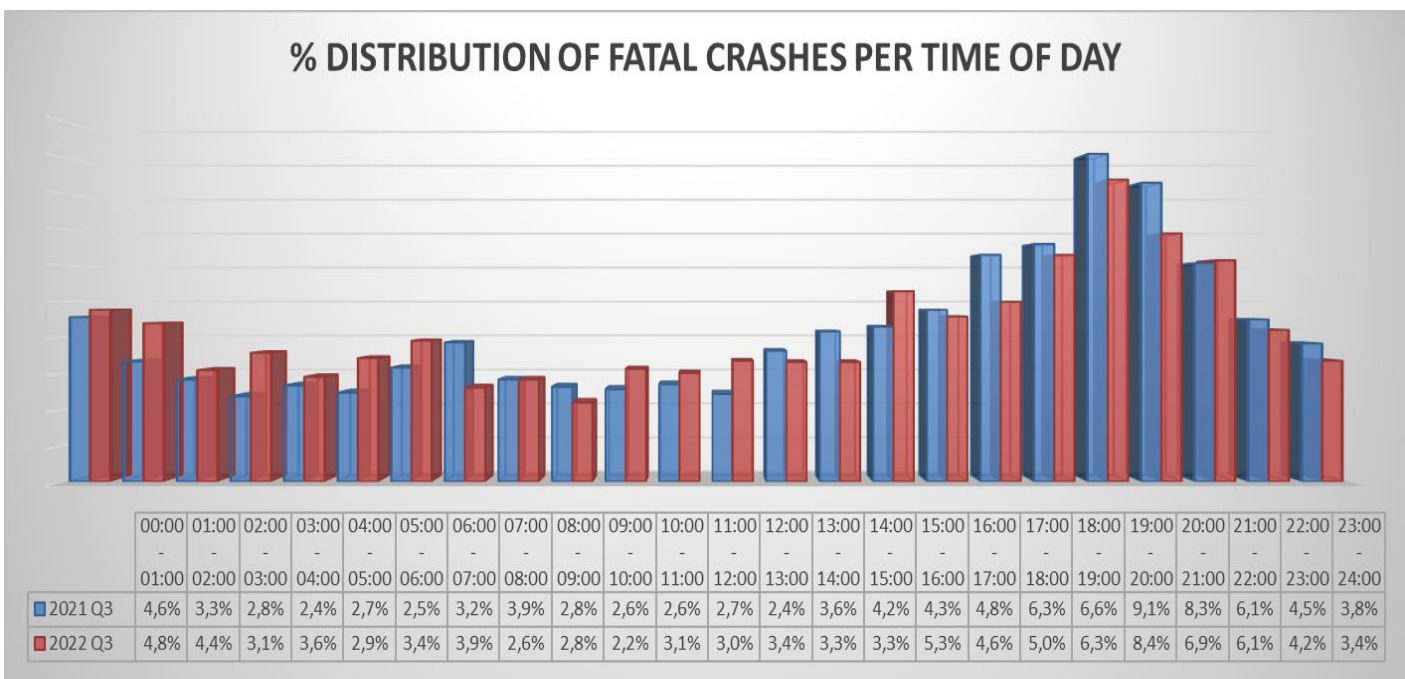


Figure 3: Percentage distribution of fatal crashes per time of day

From the figure above the period 17:00 to 21:00 is the peak of fatal crashes. This period contributed 32.7% of all fatal crashes in the time of day.

3.1.3 Fatal crashes per crash type

The percentage contribution of fatal crashes per crash type are reflected in the figure below.

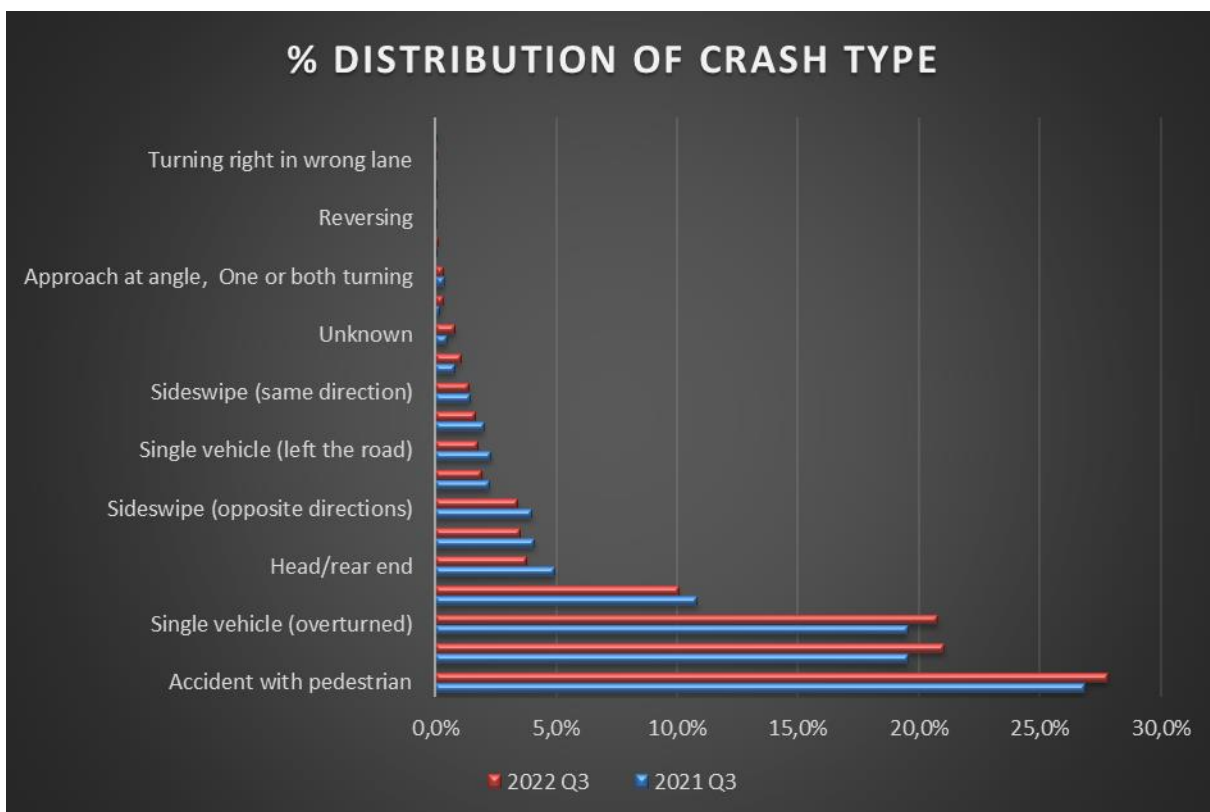


Figure 4: Percentage distribution of crash types

From the figure above, most fatal crashes occurred with pedestrians at 27.8% in 2022 and 26.9% in 2021, followed by hit and runs at an average at 21.1% in 2022 and 19.5% in 2021.

3.1.4 Fatal crashes per vehicle type

The percentage contribution of various vehicles involved in the fatal crashes are reflected in the figure below.

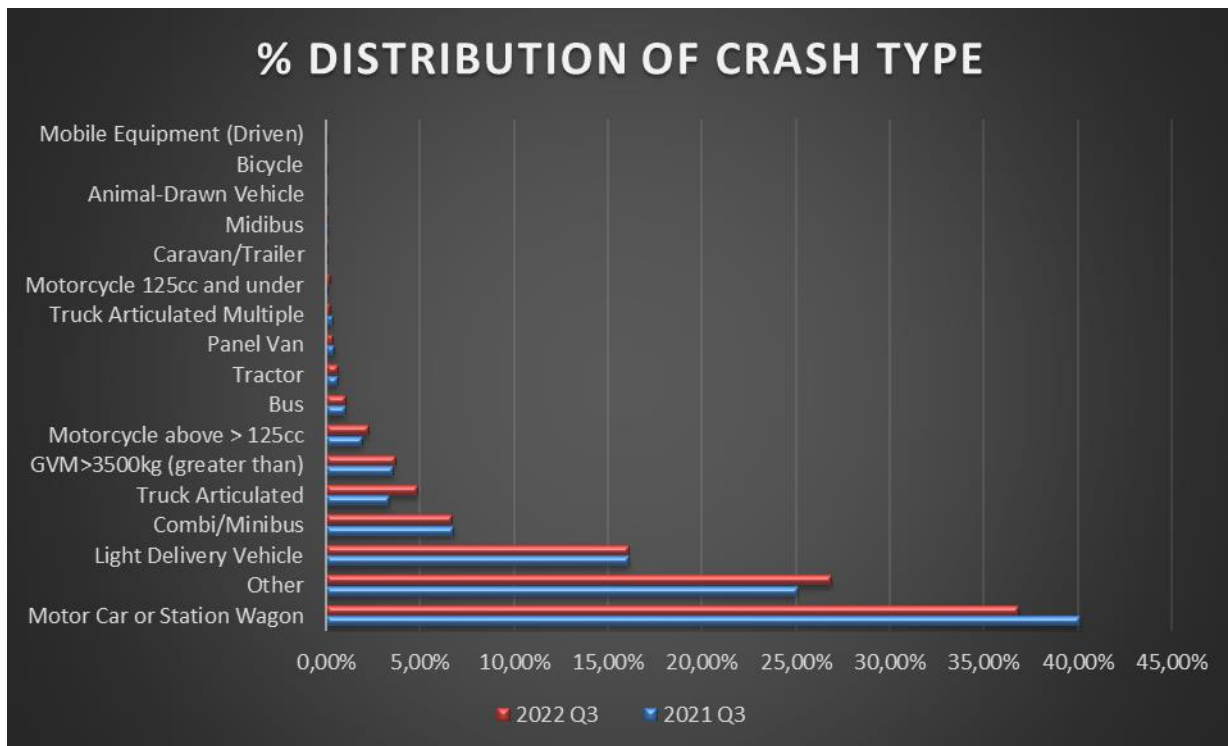


Figure 5: Percentage distribution of fatal crashes per vehicle type

The vehicle types that contributed the highest to fatal crashes were Motor Cars or Station Wagon at 36.89% and Light Delivery Vehicles 16.1 in 2022.

3.2 Contributory factors

The contributory factors for fatal crashes are classified as follows: human factors (defined as a stable, general human abilities and limitations that are valid for all users); vehicle factors (are focussed on the vehicle itself covering

issues around mechanical failures); and environment factors (include limited visibility, poorly marked roads, missing road signs, sudden changes in road infrastructure, gravel road, the state of the road and weather conditions).

Human factors contribute a high percent to fatal crashes. These factors contributed 86.6% to fatal crashes during the period under review, these factors remain a big concern.

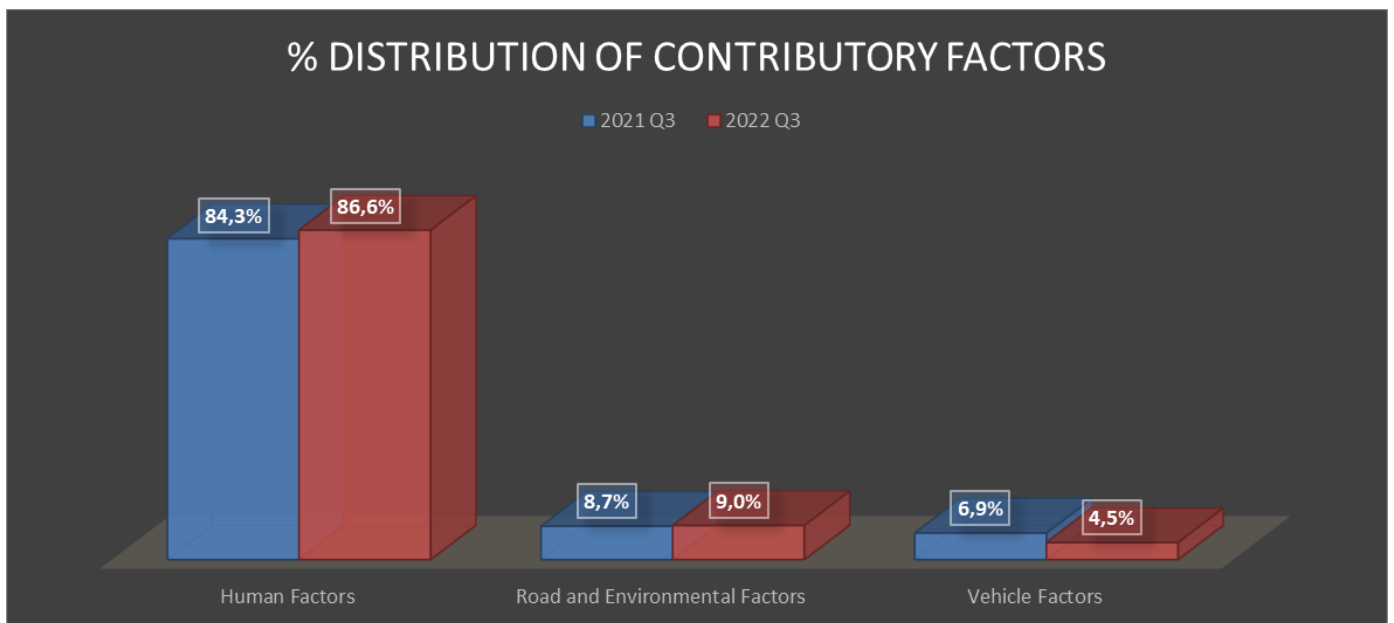


Figure 6: Comparison of contributory factors

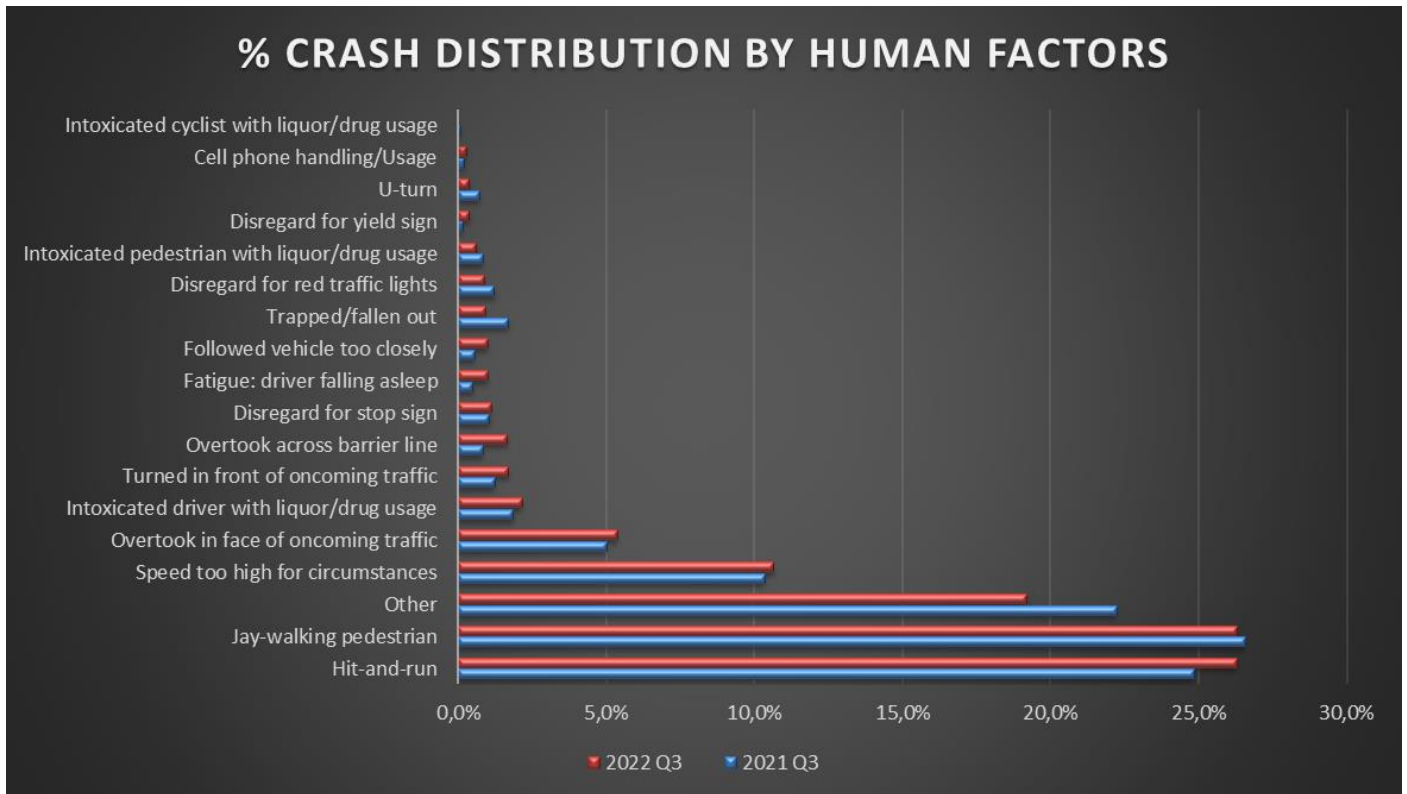


Figure 7: Percentage distribution of human factors

The figure above shows that hit and runs and jaywalking are the major contributory factors within the human factors at 26.3% and 226.3% respectively for the period under review. These two factors contribute more than 50% of the fatal crashes within the human factor category.

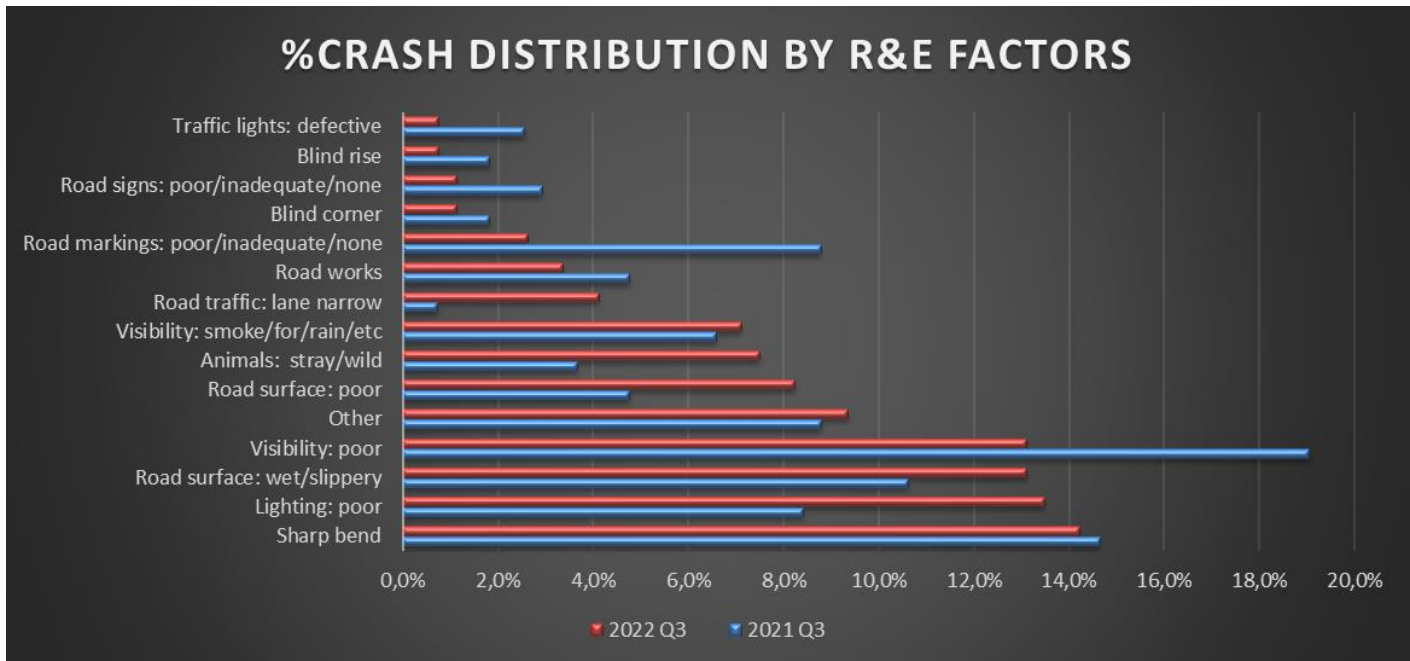


Figure 8: Percentage distribution of road and environmental factors

Within the environmental factors sharp bends and poor lighting were the most contributors at 14.2% and 13.5% respectively in 2022.

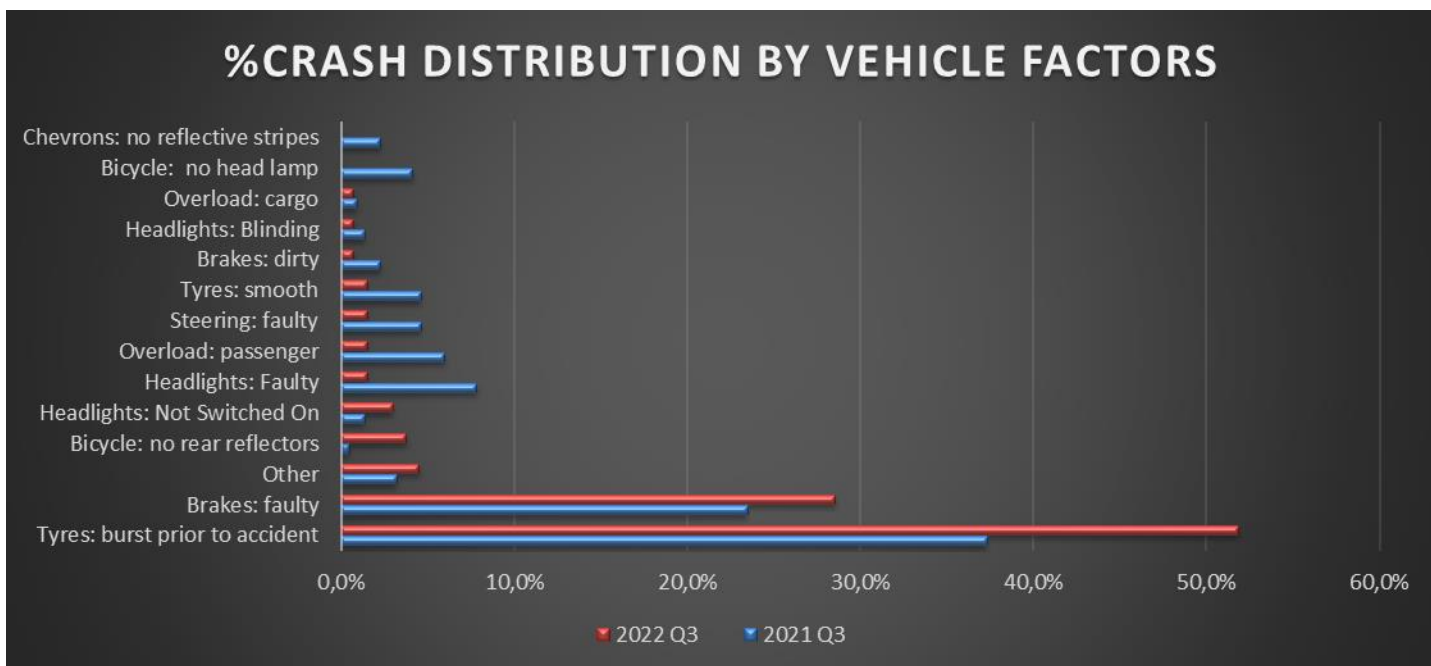


Figure 9: Percentage distribution for vehicle factor

According to the figure above tyre burst and faulty brakes were the highest contributors to crashes under the vehicle factors category at 51.9% and 28.6% respectively for 2022.

4. ROAD FATALITIES

The section covers fatalities data. Fatalities are defined as when a person or persons that are killed during or immediately after a crash, or death occurs within 30 days after a crash as a direct result of such crash. The section encompasses number of fatalities, percentage distribution per road user, gender, race and age.

4.1 Number of fatalities per province

FATALITIES PER PROVINCE										
Quarter 3	EC	FS	GP	KZN	LP	MP	NC	NW	WC	RSA
2021 Q3	420	235	726	695	388	370	129	280	394	3637
2022 Q3	399	221	627	568	371	350	120	203	352	3211
DIFF	-21	-14	-99	-127	-17	-20	-9	-77	-42	-426
%DIFF	-5,0%	-6,0%	-13,6%	-18,3%	-4,4%	-5,4%	-7,0%	-27,5%	-10,7%	-11,7%

Table 2: Comparison of fatalities per province

The table above provides a comparison between the third quarter of the financial year 2021/22 and third quarter of the financial year 2022/23. Nationally there has been a decrease of 426 (11.7%) fatalities. At a provincial level all provinces had. Regarding decrease in number of fatalities the highest decreases were in Kwa-Zulu Natal (127), Gauteng (99) and North West (77). The highest percentage (%) decrease was North-West at 27.5%.

4.2 Number of Fatalities per Road User Group

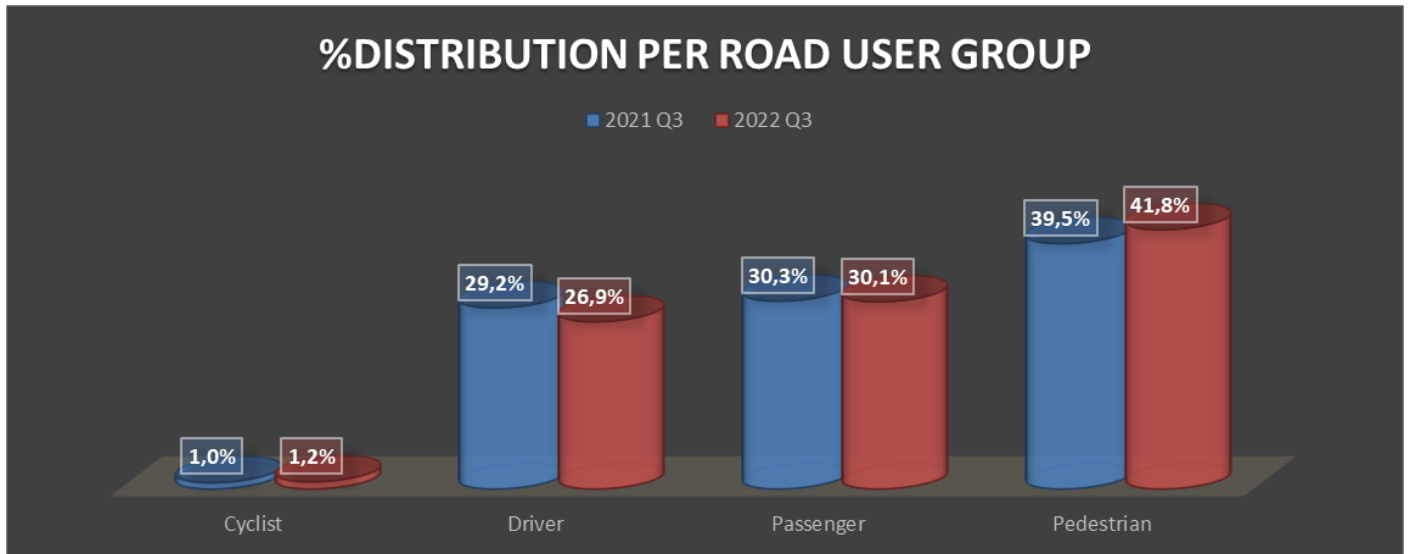


Figure 10: Percentage distribution of fatalities per road user

The percentage distribution of fatalities per road user groups are reflected in the figure above. From the above figure during the period under review 41.8% of road fatalities were pedestrians, 30.1% passengers and 26.9% drivers.

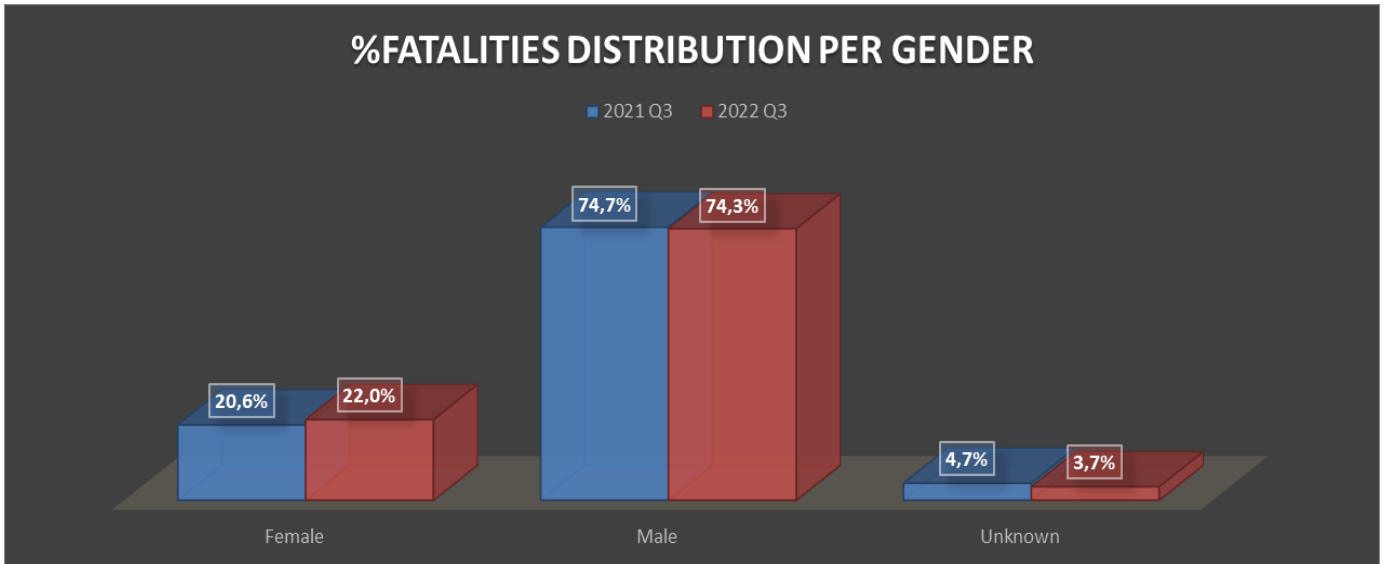


Figure 11: Percentage distribution of fatalities per gender

The figure above shows fatalities per gender. From the above figure 74.3% of road fatalities were male during the period under review.

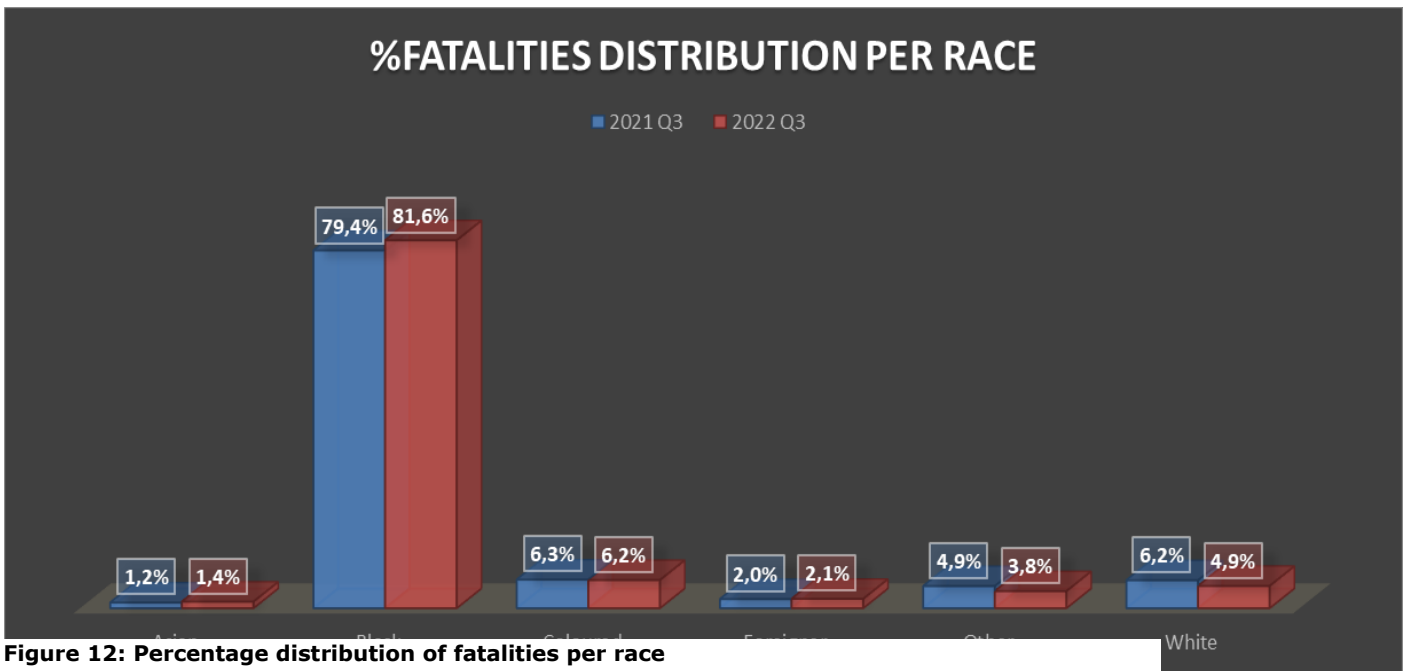


Figure 12: Percentage distribution of fatalities per race

From the above figure on average 81.6% of road fatalities for the period under review were blacks.

4.3 Road user group fatalities per age group

The figures below provide information regarding the fatalities per age and road user group for the period October to December 2021 and October to December 2022. The below figures will show fatalities per age within a road user group.

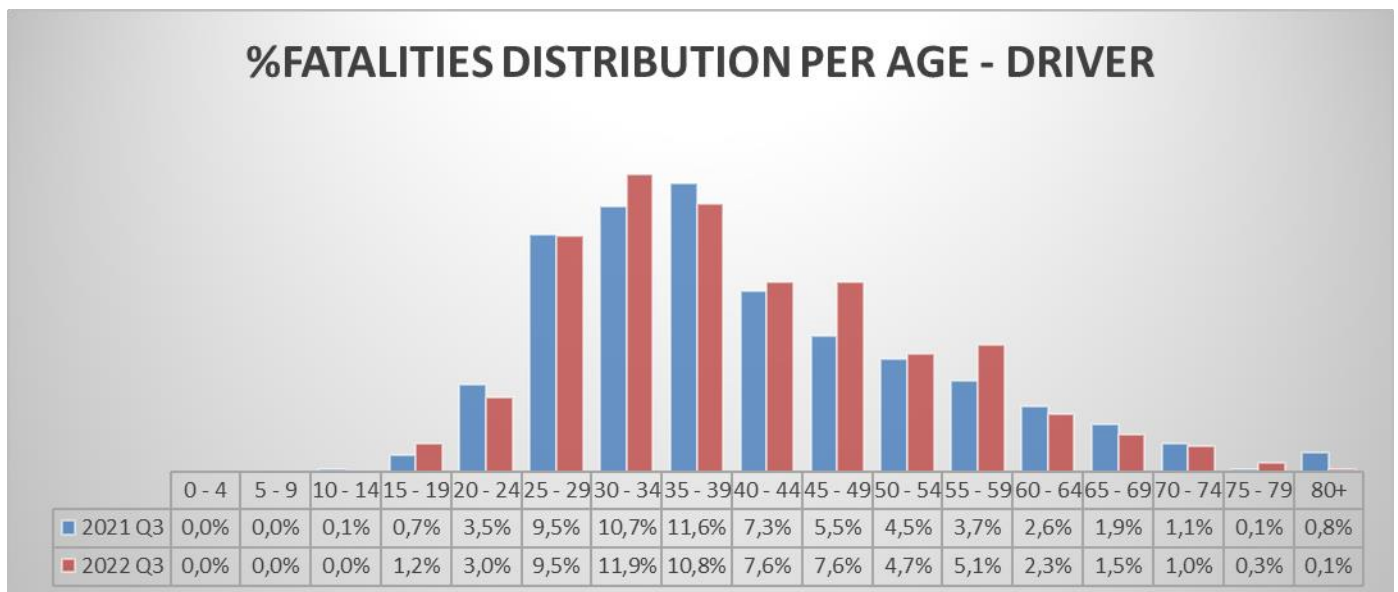


Figure 13: Percentage distribution of fatalities per age for drivers

In the third quarter of the financial year 2020/21 the percentage of driver fatalities in the age group 25 to 44 was 39% and for the same period in financial year 2022/23 was 39.8%. More young adults die on the roads as drivers than any other age grouping.

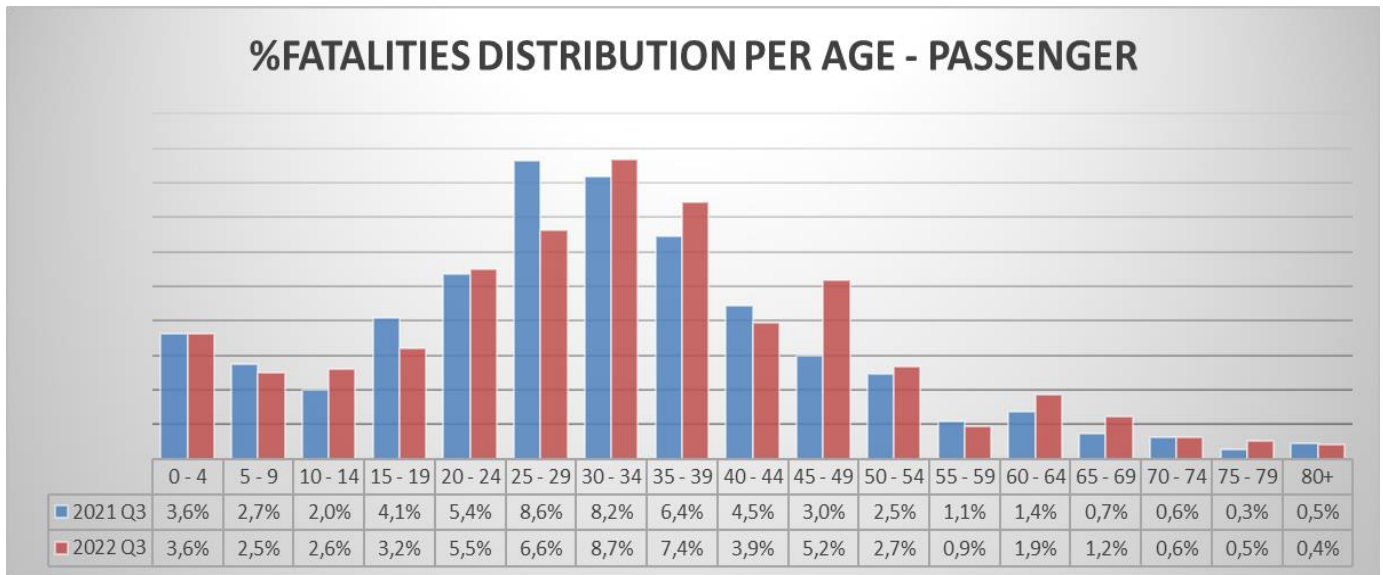


Figure 14: Percentage distribution of fatalities per age for passengers

In the first quarter of the financial year 2020/21 the percentage of passenger fatalities in the age group 25 to 44 was 27.7% and for the same period in financial year 2022/23 was 26.7%. More than a quarter of passenger fatalities are youth.

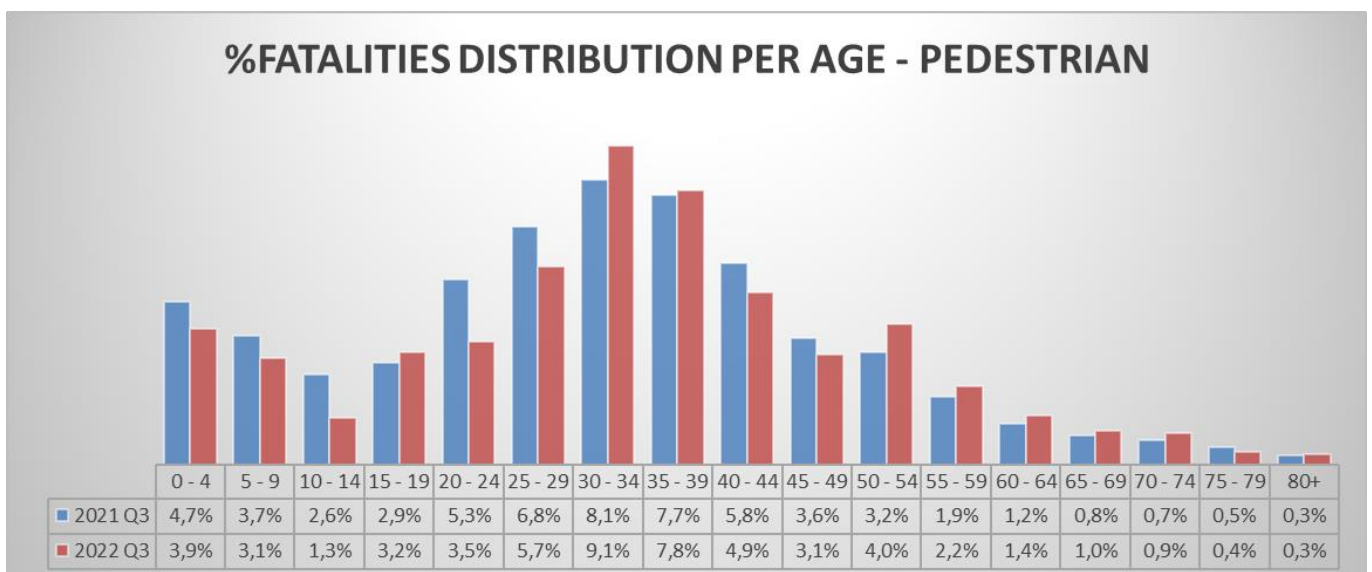


Figure 15: Percentage distribution of fatalities per age for pedestrians

In the first quarter of the financial year 2020/21 the percentage of pedestrian fatalities in the age group 25 to 44 was 28.4% and for the same period in financial year 2022/23 was 27.5%. More young adults die on the roads as pedestrians than any other age grouping.

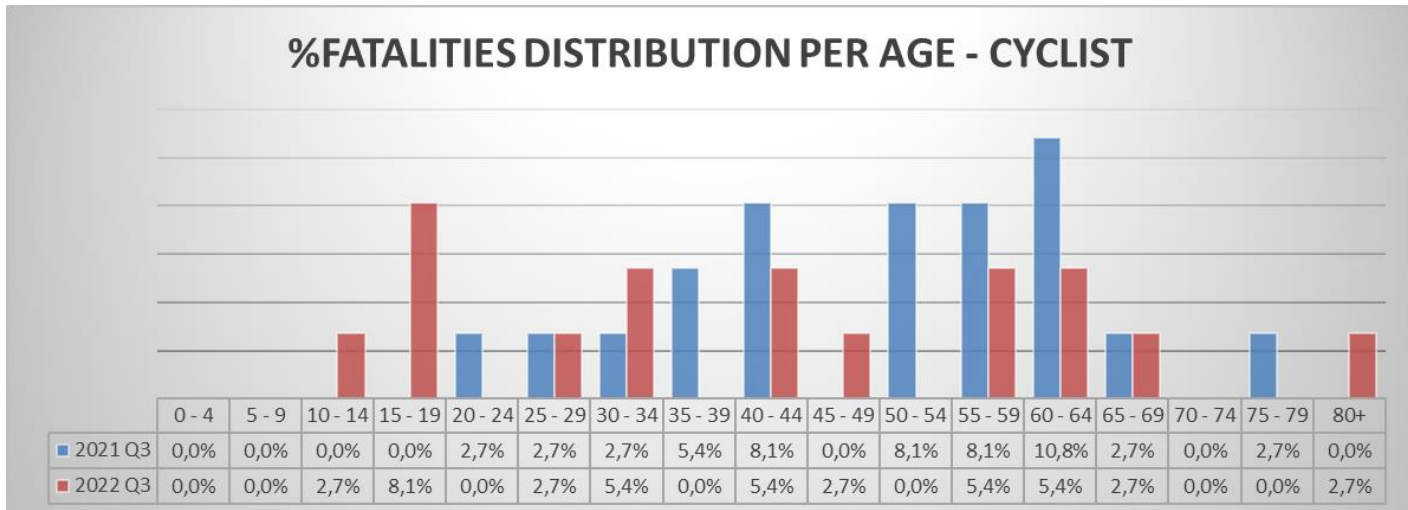


Figure 16: Percentage distribution of fatalities per age for cyclists

In the first quarter of the financial year 2020/21 the percentage of cyclist fatalities in the age group 25 to 44 was 18.9% and for the same period in financial year 2022/23 was 13.5%. More young adults die on the roads as cyclists than any other age grouping.

More youth (young adults) are dying on the roads in any category than any other age group.

SECTION B

1. INTRODUCTION

The section covers vehicle population and human mobility data, as well as driver population. The vehicle population data will encompass the number of registered vehicles inclusive of the status of their roadworthiness and licencing, as well as human mobility in terms of the number of persons per vehicle. The driver population data covers the number of registered drivers including the status and categories of licences.

2. VEHICLE POPULATION

2.1 Number of Registered Vehicles

The number of registered vehicles decreased by 7,222 (0.06%) from 12,957,208 in December 2021 to 12,964,430 vehicles in December 2022. Detail per type of vehicle is given in table below.

Number of Registered Vehicles	Number registered Dec-21	Number registered Dec-22	Change	% Change	% of Group Dec-22	% of Total Dec-22
Motorised Vehicles						
Motorcars	7 652 045	7 685 153	33108	0,43%	65,54%	59,28%
Minibuses	349 671	349 335	-336	-0,10%	2,98%	2,69%
Buses	64 339	64 170	-169	-0,26%	0,55%	0,49%
Motorcycles	347 624	346 153	-1471	-0,42%	2,95%	2,67%
LDV's - Bakkies	2 671 293	2 658 416	-12877	-0,48%	22,67%	20,51%
Trucks	389 112	385 845	-3267	-0,84%	3,29%	2,98%
Other & Unknown	252 392	237 199	-15193	-6,02%	2,02%	1,83%
Total Motorised	11 726 476	11 726 271	(205)	0,00%	100,00%	90,45%
Towed Vehicles						
Caravans	97 824	95 885	(1 939)	-1,98%	7,74%	0,74%
Heavy Trailers	221 267	224 580	3 313	1,50%	18,14%	1,73%
Light Trailers	897 181	889 977	(7 204)	-0,80%	71,88%	6,86%
Other & Unknown	14 460	27 717	13 257	91,68%	2,24%	0,21%
Total Towed	1 230 732	1 238 159	7 427	0,60%	100,00%	9,55%
All Vehicles	12 957 208	12 964 430	7 222	0,06%		100,00%

Table 3: Number of registered vehicles per type

The table above shows that the only increase was a marginal one of .043% in motorcars. All other vehicles declined.

The total motor vehicle population per province for December 2021 and December 2022 is given in table below and the vehicle population percentage growth is reflected in the figure below.

Number of Registered Vehicles per Province	Number registered Dec-21	Number registered Dec-22	Change	% Change	% of Total Dec-22
Gauteng	4 964 003	4 969 400	5 397	0,11%	38,33%
KwaZulu-Natal	1 735 994	1 739 686	3 692	0,21%	13,42%
Western Cape	2 086 956	2 104 157	17 201	0,82%	16,23%
Eastern Cape	865 899	856 465	(9 434)	-1,09%	6,61%
Free State	649 808	644 766	(5 042)	-0,78%	4,97%
Mpumalanga	930 907	920 320	(10 587)	-1,14%	7,10%
North West	658 540	660 140	1 600	0,24%	5,09%
Limpopo	771 272	776 163	4 891	0,63%	5,99%
Northern Cape	293 829	293 333	(496)	-0,17%	2,26%
RSA	12 957 208	12 964 430	7 222	0,00	100,00%

Table 4: Number of registered vehicles per province

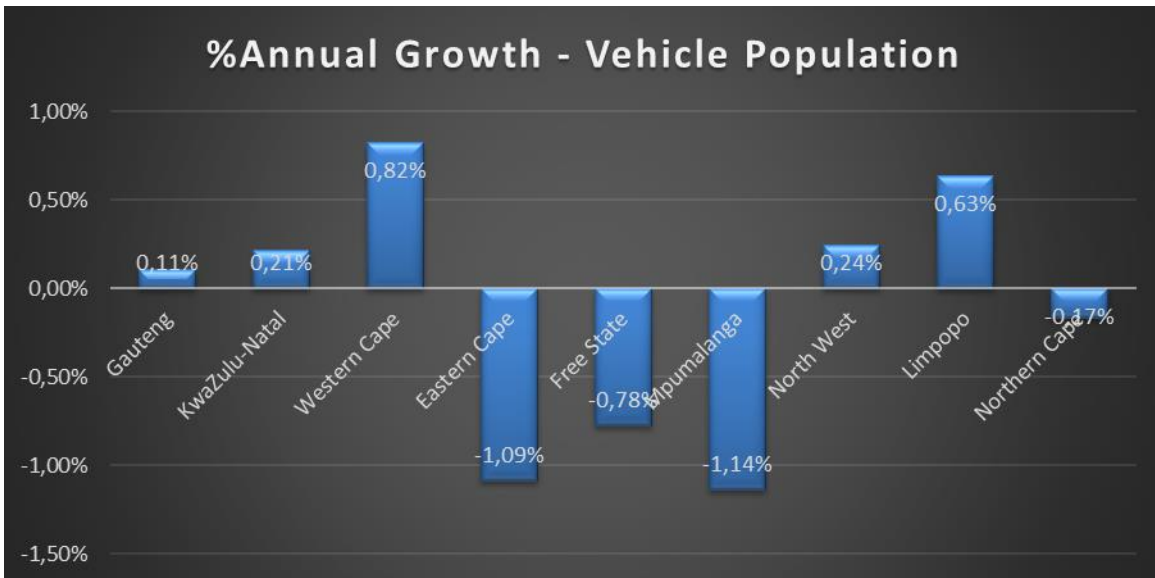


Figure 17: Percentage Annual Growth in Vehicle Population

The percentage vehicles registered per province as at 31 December 2022 is reflected in the figure below.

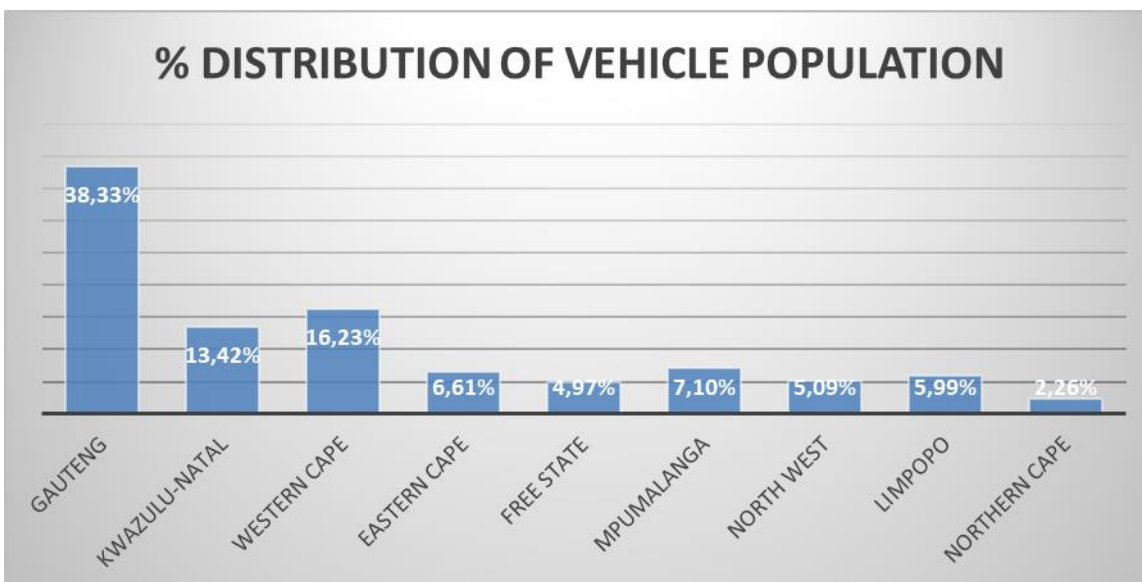


Figure 18: Percentage Vehicle Registered per province

The information in the figure above shows that 38.33% of vehicle's population were registered in Gauteng, 16.23% in Western Cape and 13.42% in KwaZulu-Natal.

3. DRIVER POPULATION

3.1 Learner Driving Licences

The number of learner driving licences issued increased by 8,079 (25.74%) from 1 081,615 in December 2021 to 1,089,694 in December 2022. Details on the number of learner driving licences issued per category is given in table below and graphically reflected in the figure below.

Number of Learner Licences Issued				
Category	Dec-21	Dec-22	Change	% Change
1	32 816	40 197	7 381	22,49%
2	191 444	199 256	7 812	4,08%
3	857 355	850 241	-7 114	-0,83%
Total	1 081 615	1 089 694	8 079	25,74%

Table 5: Number of learner licences issued

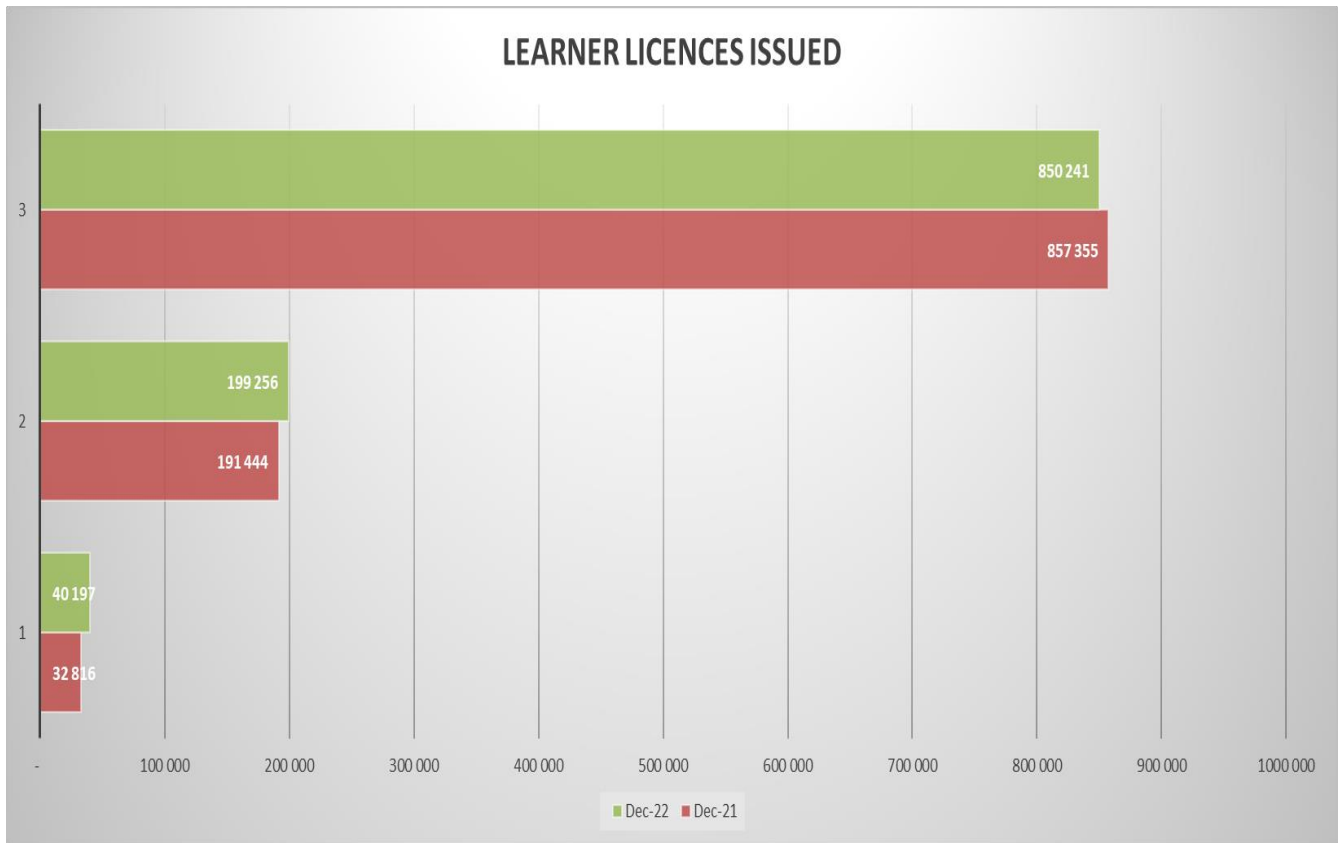


Figure 19: Number of learner license issued

The table below shows the number and percentage change per Province of learner licences issued.

Number of Learners Licences Issued per Province											
Year	GA	KZ	WC	EC	FS	MP	NW	LI	NC	RSA	
Dec-21	335 114	171 090	163 225	82 230	52 760	101 305	60 028	91 667	24 196	1 081 615	
Dec-22	340 863	204 795	172 975	56 736	50 751	94 664	53 315	93 719	21 876	1 089 694	
Change	5 749	33 705	9 750	(25 494)	(2 009)	(6 641)	(6 713)	2 052	(2 320)	8 079	
% Change	1,72%	19,70%	5,97%	-31,00%	-3,81%	-6,56%	-11,18%	2,24%	-9,59%	0,75%	

Table 6: Number of learner licences issued per province

Gauteng, Kwa-Zulu Natal, Western Cape and Limpopo had increased in the number of learner licences issued for the period under review. The highest increase learner licences issued was KwaZulu-Natal at 19.7% followed.

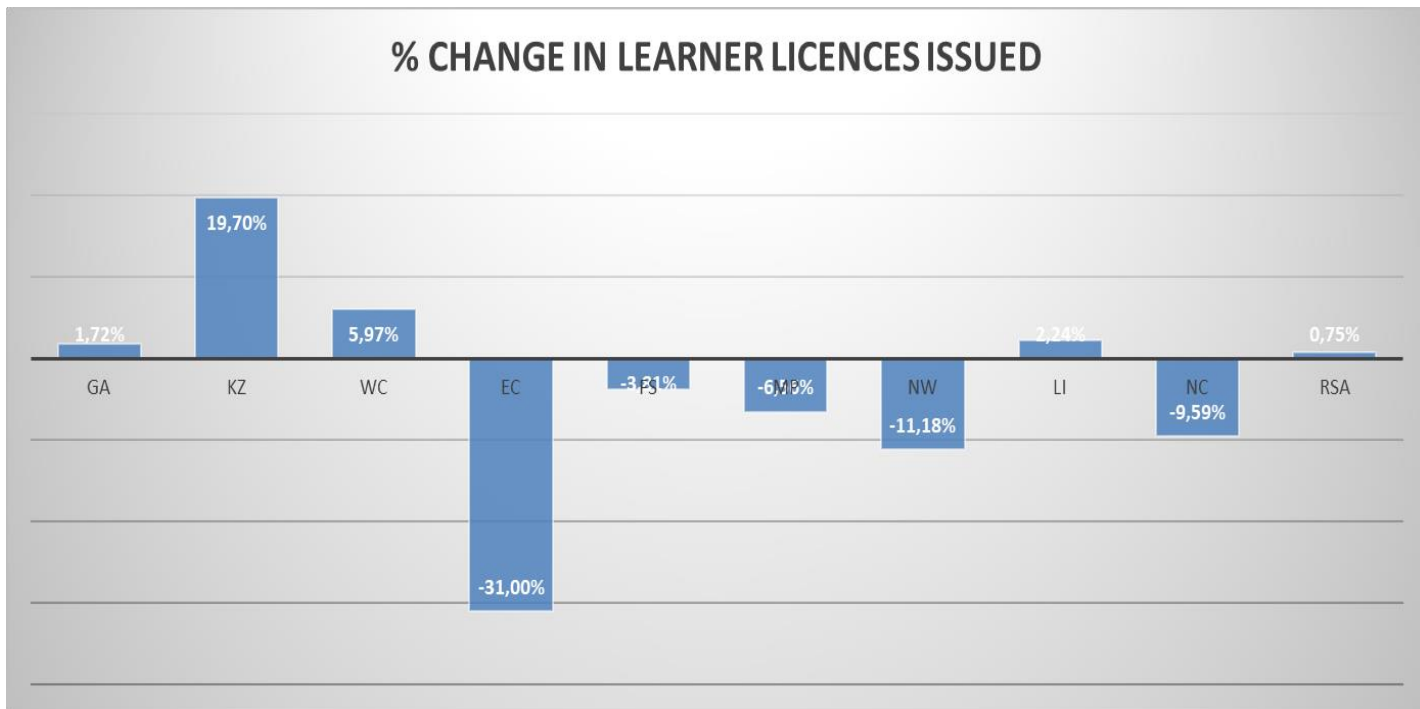


Figure 20: Percentage change in learner licences issued per province

3.2 Driving Licences Issued

3.2.1 Number of Driving Licences Issued

The number of driving licences issued increased by 481 231 (3.34%) from 14,416,294 in December 2021 to 14,897,525 in December 2022. Details on the number of driving licences issued per category is given in table and graphically presented below.

Number of Driving Licences Issued				
Category	Dec-21	Dec-22	Change	% Change
A	504 923	512 280	7 357	1,46%
A1	122 513	122 452	(61)	-0,05%
B	3 258 375	3 362 380	104 005	3,19%
C	24 844	25 338	494	1,99%
C1	5 060 561	5 371 227	310 666	6,14%
EB	3 647 457	3 650 806	3 349	0,09%
EC	1 214 705	1 271 121	56 416	4,64%
EC1	582 916	581 921	(995)	-0,17%
Total	14 416 294	14 897 525	481 231	3,34%

Table 7: Number of driving licences issued

Driving licences:

A	Motorcycle > 125 cub.cm	A1	Motorcycle < 125 cub.cm	B	Motor vehicle < 3,5000 kg
C	Motor vehicle > 16,000 kg	C1	Motor vehicle 3,500 - 16,000 kg	EB	Articulated motor vehicle <16,000 kg
		EC	Articulated vehicle > 16,000 kg	EC1	Articulated vehicle 3,500 - 16,000 kg

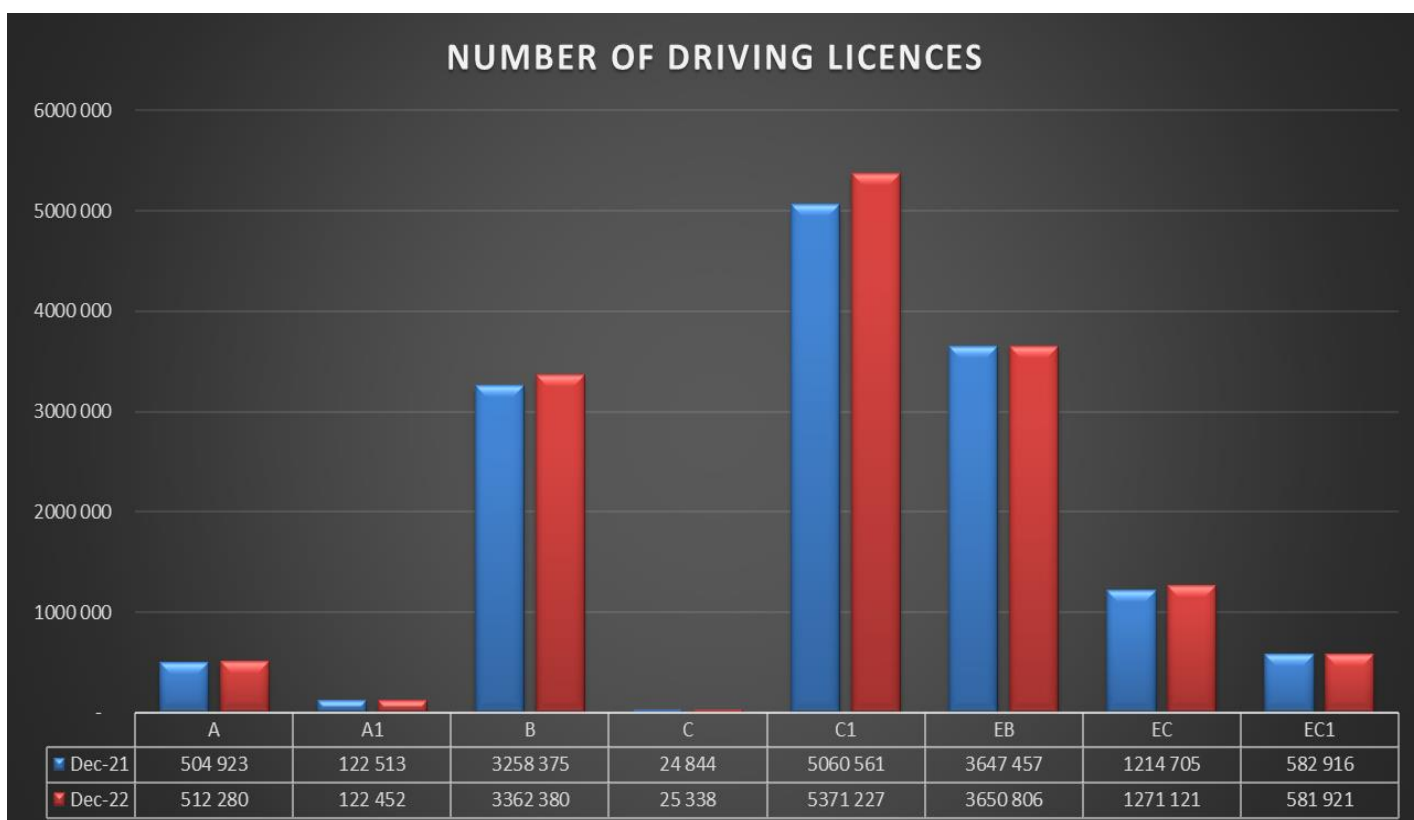


Figure 21: Number of driving licences issued

From the above table the highest percentage change is for Categories C1 with percentage of 6.14%, followed by category EC and B with 4.64% and 3.19% respectively.

The number and percentage of driving licences issued per category as at the end of December 2022 is reflected in the table below.

The total number of driving licences issued per province for December 2021 and December 2022 is given in table below and the driving licences issued percentage change is reflected in the figure below.

Number of Driving Licences Issued per Province											
Year	GA	KZ	WC	EC	FS	MP	NW	LI	NC	RSA	
Dec-21	5 041 171	2 311 310	2 155 751	1 051 583	699 627	1 088 865	675 490	1 125 903	266 594	14 416 294	
Dec-22	5 214 392	2 393 808	2 222 888	1 078 480	716 713	1 129 764	696 195	1 169 934	275 351	14 897 525	
Change	173 221	82 498	67 137	26 897	17 086	40 899	20 705	44 031	8 757	481 231	
% Change	3,44%	3,57%	3,11%	2,56%	2,44%	3,76%	3,07%	3,91%	3,28%	3,34%	

Table 8: Number of driving licences issued per province

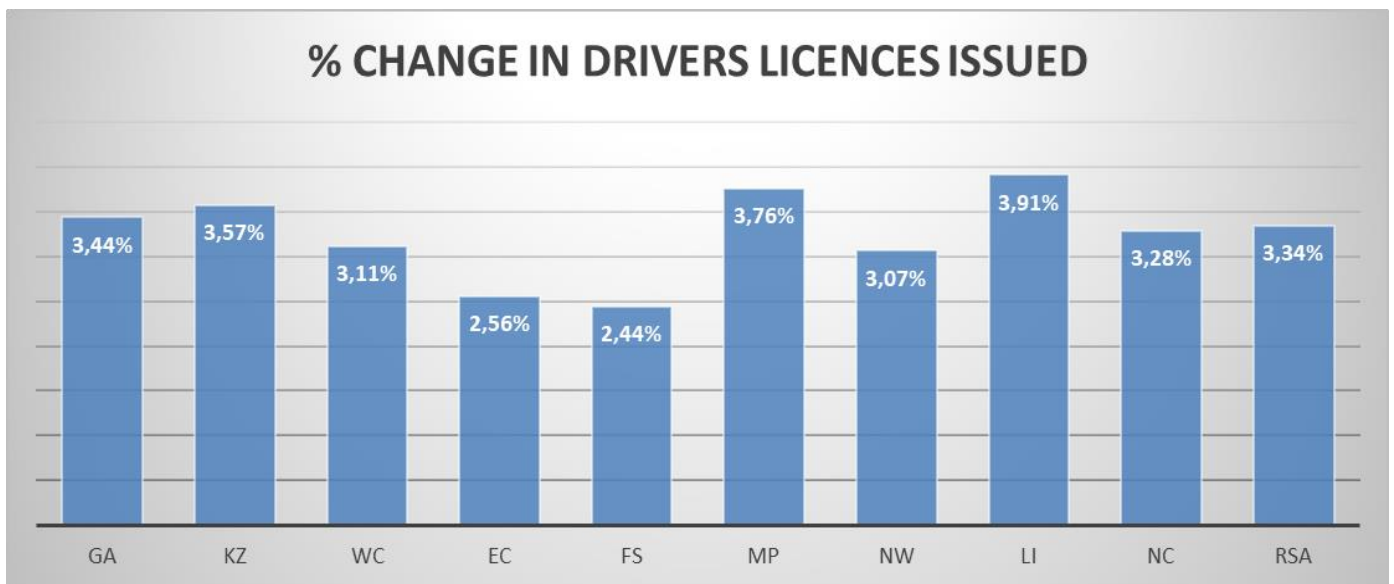


Figure 22: Percentage change in driving licences issued

3.2.2 Professional Driving Permits Issued

The number of Professional Driving Permits (PrDP's) issued decreased by 256,404 (18.92%) from 1,355,241 in December 2021 to 1,098,837 in December 2022. Detail on the number of PrDPs issued per category is given in table below and graphically represented in the figure below.

Number of PrDP's Issued				
Category	Dec-21	Dec-22	Change	% Change
G	9 172	6 466	-2 706	-29,50%
P G	1 292 660	1 039 200	-253 460	-19,61%
D G	164	158	-6	-3,66%
D P G	53 245	53 013	-232	-0,44%
Total	1 355 241	1 098 837	(256 404)	-18,92%

Table 9: Number of PrDP's issued

Professional Driving Permits (PrDPs)

G: Goods

P: Passengers

D: Dangerous goods

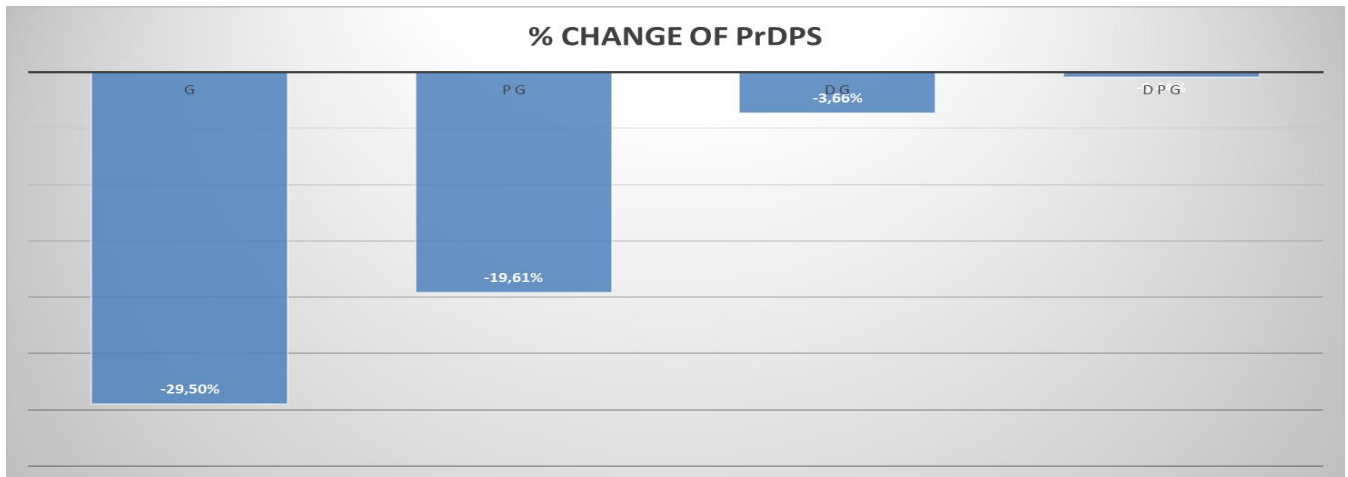


Figure 23: Number of PrDP's issued

The total number of professional driving permits issued per province for December 2021 and December 2022 is given in table below and the professional driving permits issued percentage change is reflected in the figure below.

Number of Professional Driving Permits (PrDP's) Issued per Province											
Year	GA	KZ	WC	EC	FS	MP	NW	LI	NC	RSA	
Dec-21	378097	239827	189966	110728	75814	132632	64711	131455	32011	1 355 241	
Dec-22	306 389	204 910	155 881	81 866	60 391	106 928	59 248	96 633	26 591	1 098 837	
Change	-71 708	-34 917	-34 085	-28 862	-15 423	-25 704	-5 463	-34 822	-5 420	-256 404	
% Change	-18,97%	-14,56%	-17,94%	-26,07%	-20,34%	-19,38%	-8,44%	-26,49%	-16,93%	-18,92%	

Table 10: Number of professional driving permits (PrDP's) issued per province

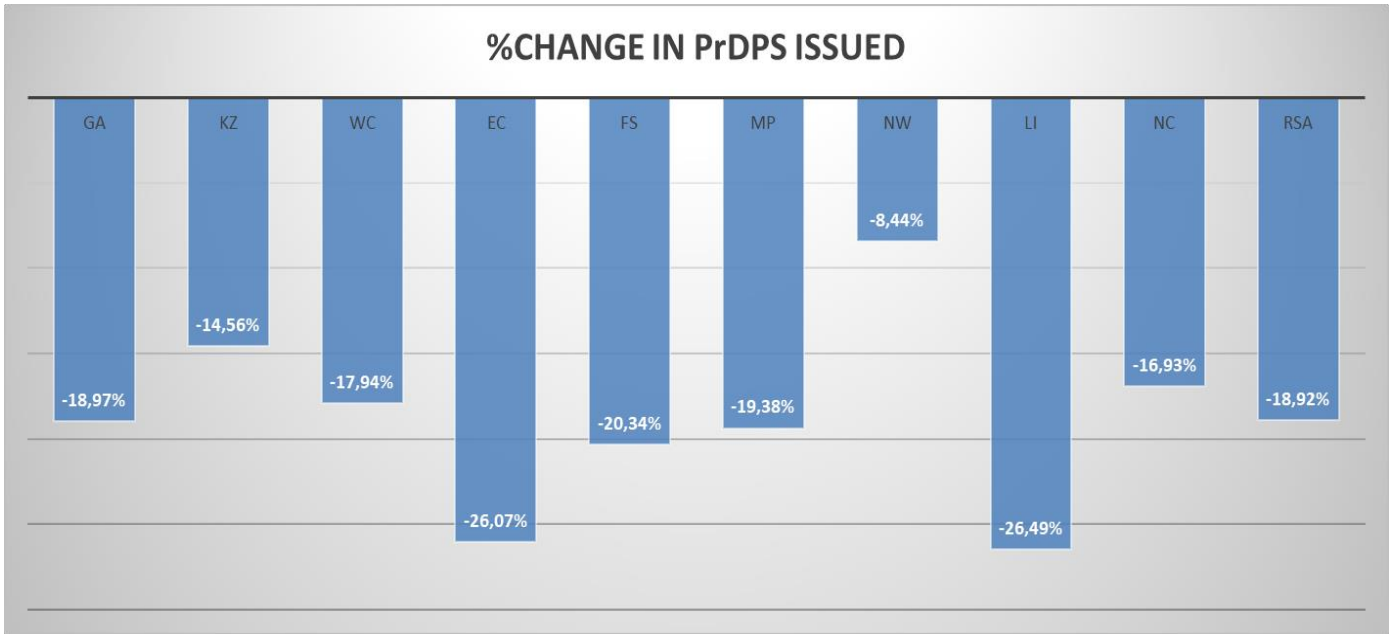


Figure 24: Percentage in PrDP's issued per province

Compiled by

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