



# Economic and Social Indicators

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**Road Transport and Road Traffic Accident Statistics**

**(Island of Mauritius), Year 2023**

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# Road Transport and Road Traffic Accident Statistics (Island of Mauritius)

Year 2023

## 1. Vehicles registered in 2023

As at end of December 2023, there were 676,441 vehicles registered at the National Land Transport Authority. This represents a net increase of 28,265 vehicles (+4.4%) as compared to end of year 2022, when the number of registered vehicles was 648,176 (Table 1.1).

During the year 2023, the fleet was strengthened with the registration of 33,939 vehicles, of which 20,856 (61.5%) were new, 9,006 (26.5%) were imported second-hand and 4,077 (12.0%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period, some 5,674 vehicles were put off the road. The net addition to the existing fleet worked out to 28,265 vehicles (Table 1.1).

## 2. Composition of fleet

A breakdown of the fleet by type of vehicle over the last ten years (2014 to 2023) is given in Table 1.2. As at end of December 2023, the fleet consisted of 55.0% (371,866) cars, double cab pickups and dual-purpose vehicles and 35.9% (242,608) auto/motor cycles. The remaining 9.1% comprised vans (31,079), lorries and trucks (18,618), buses (3,225) and other vehicles (9,045).

## 3. Vehicles used for transport of passengers

### 3.1 *Cars, double cap pickups and dual purpose vehicles*

As at end of December 2023, the number of cars, double cab pickups and dual purpose vehicles was 371,866, a rise of 5.9% over the figure of 350,996 as at end of December 2022. This increase resulted from the registration of 23,846 such vehicles (13,124 new, 8,552 imported second-hand and 2,170 re-registered), partly offset by 2,976 vehicles that were put off the road (Table 1.1).

Table 1.3 shows the age distribution of cars, dual purpose vehicles and double cab pickup. As at end of December 2023, some 24.2% were less than 5 years, 21.8% between 5 and 9 years and the remaining 54.0%, 10 years and above.

### 3.2 *Buses*

As at end of December 2023, there were 3,225 registered buses. In 2023, some 50 new buses were registered, 3 were imported second-hand, 1 was re-registered, while 6 buses were put off the road, resulting in an increase of 48 buses.

#### **4. Motor cycles and auto cycles**

As at end of December 2023, there were 242,608 motor cycles and auto cycles. This represents a net increase of 6,042 (+2.6%) against 236,566 at the end of December 2022 (Table 1.1).

#### **5. Road traffic accidents**

The number of road traffic accidents registered during the year 2023 was 36,400 against 35,509 in the preceding year, showing an increase of 2.5%. Among those accidents, in the majority, 33,915 (93.2%) there were no injury, 130 were fatal and 2,355 caused serious or slight injuries (Table 2.1).

Compared to 2022, accidents causing casualties went up by 9.2% in 2023, fatal accidents by 31.3%, serious injury accidents by 10.2% and slight injury accidents by 7.7%.

In 2023, the accident rate, expressed as the number of accidents per 100,000 mid-year population, was 2,994 compared to 2,917 in 2022. The number of accidents per 1,000 mid-year registered motor vehicles was 55 against 56 in 2022.

#### **6. Casualties**

The number of persons who died as a result of road accidents in 2023 was 138 compared to 108 in 2022. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, increased to 11.4, compared to 8.9 in 2022 (Table 2.1). Out of the 138 persons killed in road accidents during year 2023, the most vulnerable category of road users were riders/pillion riders of auto/motor cycles (57), followed by pedestrians (42), (Table 2.6).

#### **7. Hit and run cases of accidents causing casualties**

In 2023, there were 294 "hit and run" cases causing casualties compared to 190 in 2022. Out of these 294 cases, 56.8% (167) involved vehicles only, while the other 43.2% (127) involved both vehicles and pedestrians (Table 2.5).

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## Explanatory Notes

### A. Vehicle Statistics

1. Data refer to all vehicles registered at the National Land Transport Authority. Pedal cycles are therefore excluded. The classification of vehicles used in this report, follows the definition given in Section 4 of the Road Traffic Act of 1962 and subsequent amended Act No. 27 of 2012.

2. **Vehicles include:**

- (a) **motor vehicles**, that is, power-driven vehicles normally used for carrying persons or goods by road or for drawing vehicles used for carrying persons or goods. Examples are car, dual purpose vehicle, heavy motor car, motor cycle, lorry, van, bus, and tractor;
- (b) **non-motorised vehicles**, for example trailer.

3. **Definition of some types of vehicles according to the Road Traffic Act 1962.**

(a) **Motor cycle**

A motor cycle is a mechanically propelled vehicle, other than an auticycle or a vehicle classified as an invalid carriage, with not more than four wheels and whose unladen weight does not exceed 400 kilograms.

(b) **Auto cycle**

An auticycle is a two wheeled motor vehicle, with or without pedals, whose engine capacity does not exceed 50 cubic centimetres.

(c) **Heavy motor car**

A heavy motor car is a vehicle of the bus type designed to carry passengers but not for hire or reward.

(d) **Dual purpose vehicle**

A dual purpose vehicle is essentially a car but it is so designed to be capable of carrying a certain load of goods.

(e) **Double cab pickup**

Double cab pickup means a motor vehicle which has –

- ( i ) a front passenger cabin which contain 2 rows of seats and is capable of seating a maximum of 4 persons excluding the driver,
- ( ii ) at least 2 doors capable of being opened separately; and
- ( iii ) an open pickup area behind the passenger cabin.

## **B. Road Traffic Accidents**

1. In this report, data on accidents refer to all road accidents reported to police stations and to insurance companies.

### **2. Road Traffic Accident**

A road traffic accident is an accident between two or more vehicles, a vehicle and a cyclist, a vehicle and a pedestrian, a vehicle and a fixed object such as a bridge, building, tree, post, etc, or a single vehicle that overturned on or near a public road.

### **3. Severity of accident**

Road traffic accidents are classified into the following categories according to the severity of the accident:

Fatal accident - an accident resulting in the death of one or more persons. Prior to 2002, a fatal accident was defined as an accident where deaths occurred within 7 days. As from 2002, a fatal accident is defined as an accident where deaths occurred within 30 days.

Serious injury accident - An accident in which one or more persons are seriously injured.

Slight injury accident - An accident in which one or more persons are slightly injured.

Non injury accident - An accident in which no one is killed or injured but which results in damage to the vehicle/s and/or other property only.

### **4. Casualty**

Any person killed or injured in a road accident is referred to as a casualty.

Fatality - Any person killed during an accident, or within 30 days as a result of an accident is referred to as a fatality.

### **5. Injury definition**

(i) As from January 2013:

(a) Serious Injury - An injury for which a person is admitted to hospital as an "in-patient" for more than 24 hours.

(b) Slight Injury - An injury for which a person has received medical care but has not been admitted to hospital for more than 24 hours.

(ii) Prior to January 2013:

(a) Serious Injury - An injury for which a person is detained in hospital as an "in-patient" or any of the following injuries (whether or not he is detained in hospital): fractures, concussions, internal injuries, severe cuts and lacerations, crushing and severe general shock requiring medical treatment.

(b) Slight Injury - An injury of minor character such as a sprain, bruise and cut not judged to be severe.

**Table 1.1 - Vehicles<sup>1</sup> registered in 2023**

Number

Type of vehicle	2022	2023					
	No. of vehicles as at December 2022	New vehicles	Imported second-hand vehicles	Re - registered vehicles <sup>2</sup>	Vehicles off the road <sup>3</sup>	No. of vehicles as at December 2023	Net change 2023
Car	292,631	11,511	8,480	1,789	2,497	311,914	19,283
Dual purpose vehicle	47,739	0	4	32	102	47,673	- 66
Double cab pickup	10,626	1,613	68	349	377	12,279	1,653
Heavy motor car	1,398	39	2	13	27	1,425	27
Motor cycle	112,087	5,206	20	1,373	1,900	116,786	4,699
Auto cycle	124,479	1,257	102	2	18	125,822	1,343
Lorry and truck	17,848	707	156	207	300	18,618	770
Van	30,675	362	131	261	350	31,079	404
Bus	3,177	50	3	1	6	3,225	48
Tractor and dumper	3,600	90	12	40	72	3,670	70
Prime mover	1,184	21	28	10	25	1,218	34
Trailer	2,277	0	0	0	0	2,277	0
Road roller	110	0	0	0	0	110	0
Other	345	0	0	0	0	345	0
<b>Total</b>	<b>648,176</b>	<b>20,856</b>	<b>9,006</b>	<b>4,077</b>	<b>5,674</b>	<b>676,441</b>	<b>28,265</b>

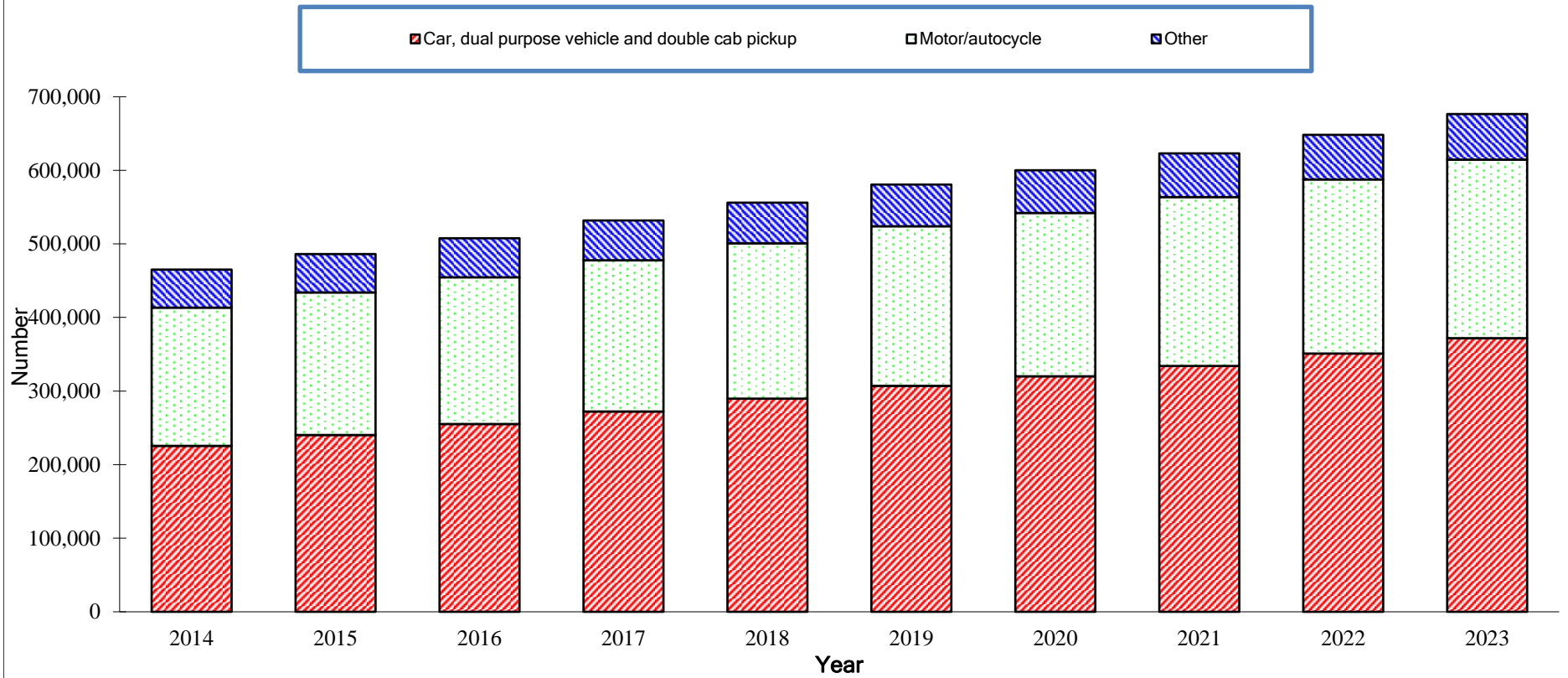
<sup>1</sup> Excluding pedal cycles, but including government vehicles.

<sup>2</sup> Refers to re-registration of vehicles previously off the road.

<sup>3</sup> Unlicensed either temporarily or permanently



**Fig. 1.1 - Stock of registered vehicles, 2014 - 2023**



Type of vehicle	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Car, dual purpose vehicle and double cab pickup	225,522	240,289	255,199	272,213	289,676	307,081	320,064	334,104	350,996	371,866
Motor cycle and autocycle	187,851	193,688	199,399	205,493	211,125	216,863	221,988	229,563	236,566	242,608
Other	51,679	52,167	53,078	54,091	55,200	56,685	58,001	59,321	60,614	61,967
<b>Total</b>	<b>465,052</b>	<b>486,144</b>	<b>507,676</b>	<b>531,797</b>	<b>556,001</b>	<b>580,629</b>	<b>600,053</b>	<b>622,988</b>	<b>648,176</b>	<b>676,441</b>

**Table 1.2 - Vehicles<sup>1</sup> registered , 2014 - 2023**

Type of vehicle	Number									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Car	173,954	188,299	202,696	218,976	235,598	251,973	264,120	277,066	292,631	311,914
<i>of which taxi car</i>	6,911	6,907	6,905	6,909	6,907	6,905	6,907	6,907	6,907	6,907
Dual purpose vehicle	49,503	49,301	48,961	48,603	48,200	48,025	47,908	47,834	47,739	47,673
Double cab pickup	2,065	2,689	3,542	4,634	5,878	7,083	8,036	9,204	10,626	12,279
Heavy motor car	1,271	1,284	1,316	1,345	1,367	1,370	1,377	1,380	1,398	1,425
Motor cycle	72,067	77,603	82,746	88,360	93,636	99,111	103,589	107,725	112,087	116,786
Auto cycle	115,784	116,085	116,653	117,133	117,489	117,752	118,399	121,838	124,479	125,822
Lorry and truck	14,243	14,372	14,645	15,024	15,505	16,086	16,512	17,040	17,848	18,618
Van	26,890	27,229	27,656	28,121	28,506	29,125	29,744	30,323	30,675	31,079
Bus	3,006	2,980	3,107	3,101	3,086	3,087	3,101	3,151	3,177	3,225
Tractor and dumper	3,254	3,244	3,251	3,277	3,351	3,427	3,474	3,543	3,600	3,670
Prime mover	734	774	817	873	947	1,055	1,120	1,152	1,184	1,218
Trailer	1,842	1,850	1,853	1,913	1,999	2,085	2,218	2,277	2,277	2,277
Road roller	103	103	105	109	110	110	110	110	110	110
Other	336	331	328	328	329	340	345	345	345	345
<b>TOTAL</b>	<b>465,052</b>	<b>486,144</b>	<b>507,676</b>	<b>531,797</b>	<b>556,001</b>	<b>580,629</b>	<b>600,053</b>	<b>622,988</b>	<b>648,176</b>	<b>676,441</b>

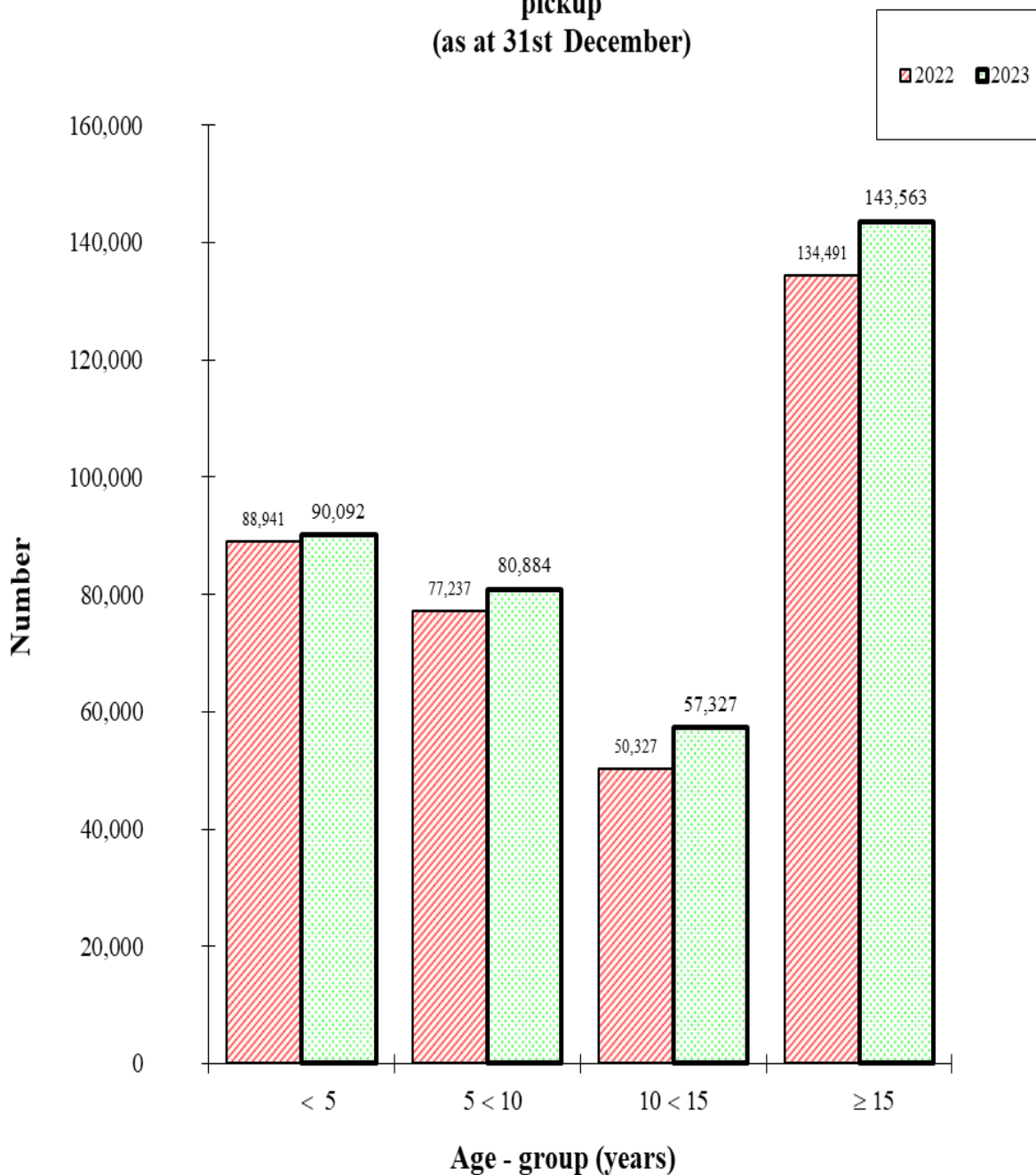
<sup>1</sup> Excluding pedal cycles, but including government vehicles

**Table 1.3 - Age composition of cars, dual purpose vehicles and double cab pickup,  
2022 - 2023**

( as at 31st December )

Age group (Years)	2022		2023	
	Number	%	Number	%
< 5	88,941	25.3	90,092	24.2
5 < 10	77,237	22.1	80,884	21.8
10 < 15	50,327	14.3	57,327	15.4
≥ 15	134,491	38.3	143,563	38.6
<b>TOTAL</b>	<b>350,996</b>	<b>100.0</b>	<b>371,866</b>	<b>100.0</b>

**Fig. 1.2 - Age composition of cars, dual purpose vehicles and double cab pickup  
(as at 31st December)**

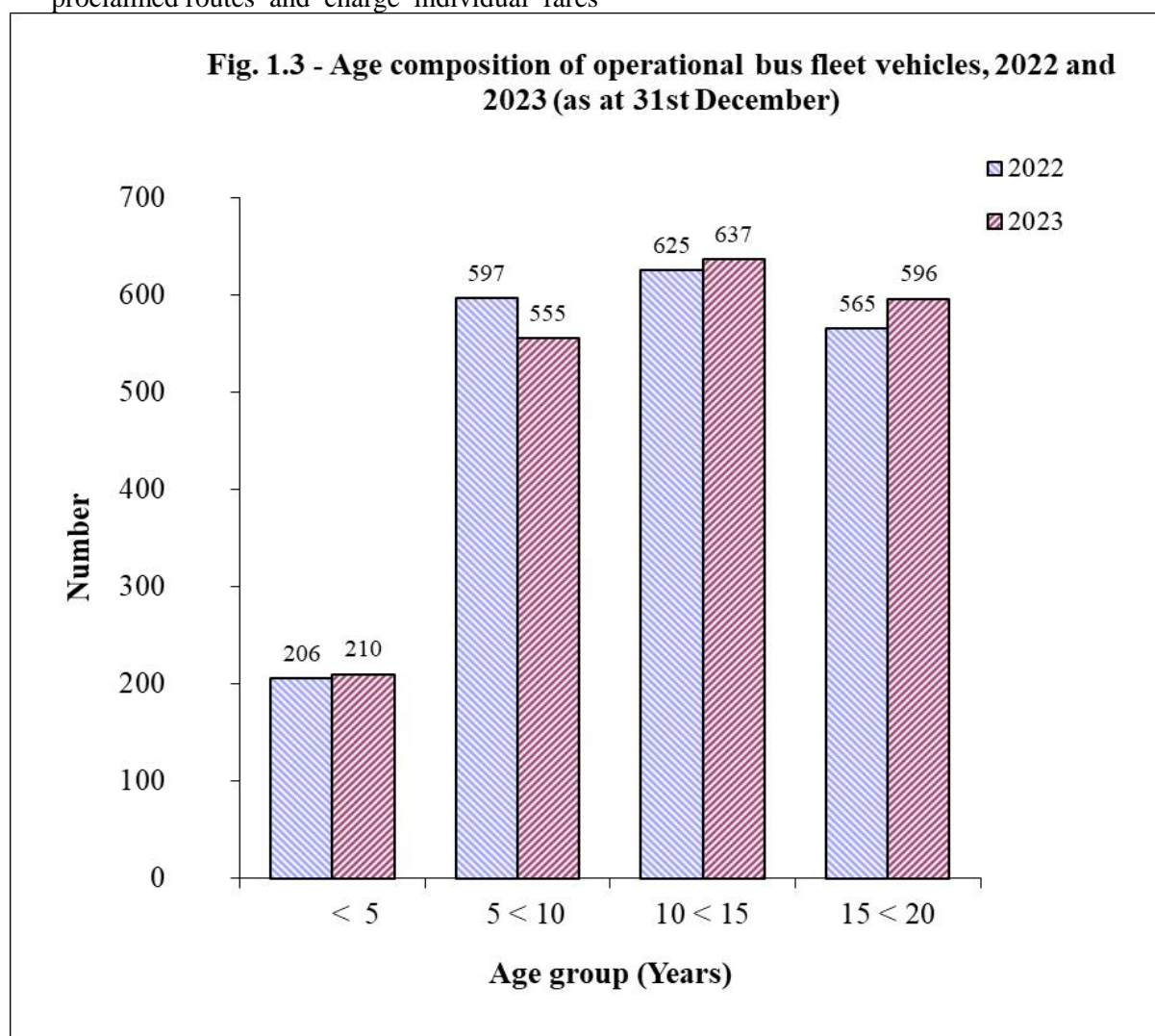


**Table 1.4 - Age composition of operational bus fleet<sup>1</sup>, 2022 - 2023**

(as at 31st December)

Age group (Years)	2022		2023	
	Number	%	Number	%
< 5	206	10.4	210	10.5
5 < 10	597	30.0	555	27.8
10 < 15	625	31.3	637	31.9
15 < 20	565	28.3	596	29.8
<b>TOTAL</b>	<b>1,993</b>	<b>100.0</b>	<b>1,998</b>	<b>100.0</b>

<sup>1</sup> Refers only to buses with a Road Service License, i.e, buses which operate on proclaimed routes and charge individual fares



**Table 2.1 - Road traffic accidents<sup>1</sup>, 2022 - 2023**

	2022	2023	Change	
			Number	%
<b>1. Road traffic accidents</b>	<b>35,509</b>	<b>36,400</b>	<b>+ 891</b>	<b>+ 2.5</b>
Number of accidents causing casualties	2,275	2,485	+ 210	+ 9.2
<i>Fatal accident</i> <sup>2</sup>	99	130	+ 31	+ 31.3
<i>Serious injury accident</i>	440	485	+ 45	+ 10.2
<i>Slight injury accident</i>	1,736	1,870	+ 134	+ 7.7
Non injury accident	33,234	33,915	+ 681	+ 2.0
Rate per 100,000 population	2,917	2,994	+ 77	+ 2.6
Rate per 1,000 registered motor vehicles	56	55	-1	-1.8
<b>2. Vehicles involved in road accidents</b>	<b>69,783</b>	<b>71,262</b>	<b>+ 1,479</b>	<b>+ 2.1</b>
of which				
<i>Motor Vehicles</i>	69,718	71,191	+ 1,473	+ 2.1
Rate per 1,000 registered motor vehicles	110	108	-2	-1.8
Number of motor vehicles involved in accidents causing casualties	3,185	3,432	+ 247	+ 7.8
<b>3. Casualties</b>	<b>3,262</b>	<b>3,286</b>	<b>+ 24</b>	<b>+ 0.7</b>
<i>Fatal</i> <sup>2</sup>	108	138	+ 30	+ 27.8
<i>Seriously injured</i>	546	593	+ 47	+ 8.6
<i>Slightly injured</i>	2,608	2,555	-53	-2.0

<sup>1</sup> Exclude accidents involving bicycles only or bicycle and pedestrian<sup>2</sup> Based on definition of fatal accidents where death occurred within 30 days

**Table 2.2 - Road traffic accidents<sup>1</sup> and casualties, 2014 - 2023**

	2014	2015	2016	2017	2018	2019	2020	2021	2022 <sup>3</sup>	2023
<b>1. Road traffic accidents</b>										
Number	26,400	28,476	29,277	29,627	29,075	29,644	28,611	28,660	35,509	36,400
Rate per 100,000 population	2,165	2,333	2,397	2,425	2,379	2,425	2,341	2,346	2,917	2,994
Rate per 1,000 registered motor vehicles	58	60	59	57	54	52	49	47	56	55
<b>2. Motor vehicle involved</b>										
Number	51,264	55,617	57,335	58,178	56,962	58,267	56,627	56,663	69,718	71,191
Rate per 1,000 registered motor vehicles	113	117	116	112	105	102	96	93	110	108
<b>3. Casualties</b>										
Total number of casualties	3,592	3,722	3,862	4,209	3,718	3,559	2,802	2,371	3,262	3,286
<i>Fatal</i>	137	139	144	157	143	144	131	108	108	138
<i>Seriously injured</i>	505	530	512	560	597	523	532	418	546	593
<i>Slightly injured</i>	2,950	3,053	3,206	3,492	2,978	2,892	2,139	1,845	2,608	2,555
<b>4. Fatality</b>										
Rate per 100,000 population	11.2	11.4	11.8	12.8	11.7	11.8	10.7	8.8	8.9	11.4
Rate per 1,000 registered motor vehicles	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
Fatality index <sup>2</sup>	3.8	3.7	3.7	3.7	3.8	3.9	4.7	4.6	4.0	4.2

<sup>1</sup> Exclude accidents involving bicycles only or bicycle and pedestrian.

<sup>2</sup> Fatality index is the number of fatalities per 100 casualties.

<sup>3</sup> Revised

**Table 2.3 -Number of vehicles involved in accidents (causing casualties) by type, 2022 - 2023**

Type of vehicle	2022					2023				
	Casualties					Casualties				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	56	281	1,067	1,404	43.0	69	288	1,052	1,409	40.2
Taxi car	2	13	55	70	2.1	6	11	39	56	1.6
Bus	4	24	115	143	4.4	8	18	116	142	4.1
Lorry	4	14	45	63	1.9	6	23	57	86	2.5
Van	15	49	218	282	8.6	21	68	258	347	9.9
Motor / auto cycle	65	242	855	1,162	35.7	70	277	977	1,324	37.8
Other motor vehicles	4	14	43	61	1.9	8	6	54	68	1.9
<b>Total motor vehicles</b>	<b>150</b>	<b>637</b>	<b>2,398</b>	<b>3,185</b>	<b>97.6</b>	<b>188</b>	<b>691</b>	<b>2,553</b>	<b>3,432</b>	<b>98.0</b>
Pedal cycle	3	13	61	77	2.4	10	11	50	71	2.0
<b>All vehicles</b>	<b>153</b>	<b>650</b>	<b>2,459</b>	<b>3,262</b>	<b>100.0</b>	<b>198</b>	<b>702</b>	<b>2,603</b>	<b>3,503</b>	<b>100.0</b>

**Table 2.4 - Number of casualties by class of road users, 2022- 2023**

Class of road users	2022				2023 <sup>1</sup>			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Pedestrian	165	224	<b>389</b>	11.9	240	270	<b>510</b>	15.5
Passenger	253	378	<b>631</b>	19.3	298	333	<b>631</b>	19.2
Driver	474	574	<b>1,048</b>	32.2	408	534	<b>942</b>	28.7
Rider (auto/motor cycle)	480	637	<b>1,117</b>	34.2	534	598	<b>1,132</b>	34.4
Pedal cyclist	21	56	<b>77</b>	2.4	21	50	<b>71</b>	2.2
<b>Total</b>	<b>1,393</b>	<b>1,869</b>	<b>3,262</b>	<b>100.0</b>	<b>1,501</b>	<b>1,785</b>	<b>3,286</b>	<b>100.0</b>

<sup>1</sup> Provisional**Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2022- 2023**

Year Accident	2022				2023			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Vehicles v/s pedestrian	42	51	93	48.9	63	64	127	43.2
Vehicles v/s vehicles	44	53	97	51.1	83	84	167	56.8
<b>Total</b>	<b>86</b>	<b>104</b>	<b>190</b>	<b>100.0</b>	<b>146</b>	<b>148</b>	<b>294</b>	<b>100.0</b>



**Table 2.6 - Number of fatalities by category of road users and age-group, 2023**

<b>Category of road users Age - group (years)</b>	<b>Cyclists</b>	<b>Drivers of four wheeled vehicles</b>	<b>Passengers of four wheeled vehicles</b>	<b>Pedestrians</b>	<b>Riders / pillion riders of auto/motor cycles</b>	<b>Total</b>
<b>Under 5</b>	0	0	1	0	0	<b>1</b>
<b>5 - 14</b>	0	0	0	1	0	<b>1</b>
<b>15 - 29</b>	3	5	9	4	24	<b>45</b>
<b>30 - 44</b>	2	2	3	6	15	<b>28</b>
<b>45 - 59</b>	0	2	3	13	15	<b>33</b>
<b>60 - 69</b>	2	2	0	6	2	<b>12</b>
<b>Over 69</b>	3	1	1	12	1	<b>18</b>
<b>All ages</b>	<b>10</b>	<b>12</b>	<b>17</b>	<b>42</b>	<b>57</b>	<b>138</b>

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