

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

**Year 2018**

## **1. Vehicles registered in 2018**

At the end of December 2018, there were 556,001 vehicles registered at the National Transport Authority. This represents a net increase of 24,204 vehicles (4.6%) as compared to end of year 2017 when the number of registered vehicles was 531,797 (Table 1.1).

During the year 2018, the fleet was strengthened with the registration of 29,682 vehicles, of which 18,990 (64%) were new, 9,209 (31%) were imported second-hand and 1,483 (5%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period, some 5,478 vehicles were put off the road. The net addition to the existing fleet worked out to 24,204 vehicles (Table 1.1).

## **2. Composition of fleet**

A breakdown of the fleet by type of vehicle is given in Table 1.2. At the end of December 2018, the fleet consisted of 52.1% (289,676) cars, double cab pickup and dual purpose vehicles and 38% (211,125) auto/motor cycles. The remaining 9.9% comprised vans (28,506), lorries and trucks (15,505), buses (3,086) and other vehicles (8,103). It is to be noted that, prior to year 2013, double cab pickup was included in dual purpose vehicles.

## **3. Vehicles used for transport of passengers**

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

At the end of December 2018, the number of cars, double cab pickup and dual purpose vehicles was 289,676, a rise of 6.4% over the figure of 272,213 as at end of December 2017. This increase resulted from the registration of 19,495 such vehicles (10,179 new, 8,547 imported second-hand and 769 re-registered), partly offset by 2,032 vehicles that were put off the road (Table 1.1).

Table 1.3 shows the age distribution of cars, double cab pickup and dual purpose vehicles. At the end of December 2018, some 41.3% were less than 5 years, 30% between 5 and 9 years and the remaining 28.7%, 10 years and above.

### **3.2 *Buses***

At the end of December 2018, there were 3,086 registered buses, out of which 2,035 or 65.9% were 'public' buses operating with a road service licence. During 2018, some 57 new buses were registered, while 72 buses were put off the road resulting in a decrease of 15 buses.

Table 1.4, which gives the age distribution of the fleet of public buses, shows that 26.4% of the buses were under 5 years, 31% between 5 and 9 years and 42.6%, between 10 and 20 years.

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

At the end of 2018, there were 211,125 motor cycles and auto cycles. This represents a net increase of 5,632 (+2.7%) against 205,493 at the end of 2017 (Table 1.1).

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

The number of road traffic accidents registered during the year 2018 was 29,075 against 29,627 in the preceding year, showing a decrease of 1.9%. Among these accidents, the majority, 26,389 (90.8%) were non-injury, 132 fatal, 487 caused serious injuries and 2,067 slight injuries (Table 2.1).

Compared to 2017, accidents causing casualties went down by 11.7% and non-injury accidents by 0.7%. Fatal accidents decreased by 13.2%, slight injury accidents by 14.6%, while serious injury accidents rose by 4.1%.

The accident rate, expressed as the number of accidents per 100,000 mid-year population, decreased to 2,379 in 2018 from 2,425 in 2017 and the number of accidents per 1,000 mid-year registered motor vehicles decreased to 54 in 2018 from 57 in 2017.

#### **6. Vehicles involved in road accidents**

During the year 2018, the total number of vehicles (both motor and non-motor) involved in road accidents was 57,104 (-2.2%) against 58,364 in the previous year. The number of motor vehicles involved in accidents resulting in casualties was 4,184 in 2018 against 4,718 in 2017. Table 2.3 shows that 38.2% of the vehicles were motor/auto cycles, 35.6% were private cars, 7.4% were vans and 6.3% were buses.

#### **7. Casualties**

The number of casualties (fatalities and persons injured as a result of road traffic accidents) decreased by 11.7% from 4,209 in 2017 to 3,718 in 2018. Among the casualties, 143 were fatal, 597 seriously injured and the remaining 2,978 slightly injured.

Table 2.4 reveals that, among the casualties in 2018, some 39.3% were riders of auto/motor cycles, 25.9% passengers, 15.5% drivers, 15.3% pedestrians and 4% pedal cyclists.

Compared to 2017, the number of persons who died as a result of road accidents in 2018 went down by 8.9%. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, was 11.7, compared to 12.8 in 2017. Out of the 143 persons killed in road accidents during year 2018, the most vulnerable category of road users were riders/pillion riders of auto/motor cycles (69), followed by pedestrians (36), (Table 2.6).

## 8. Hit and run cases of accidents causing casualties

In 2018, there were 152 "hit and run" cases causing casualties compared to 165 in 2017. Out of these 152 cases, 63.2% (96) involved vehicles only, while the other 36.8% (56) 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 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 autocycle 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 autocycle 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 2018**

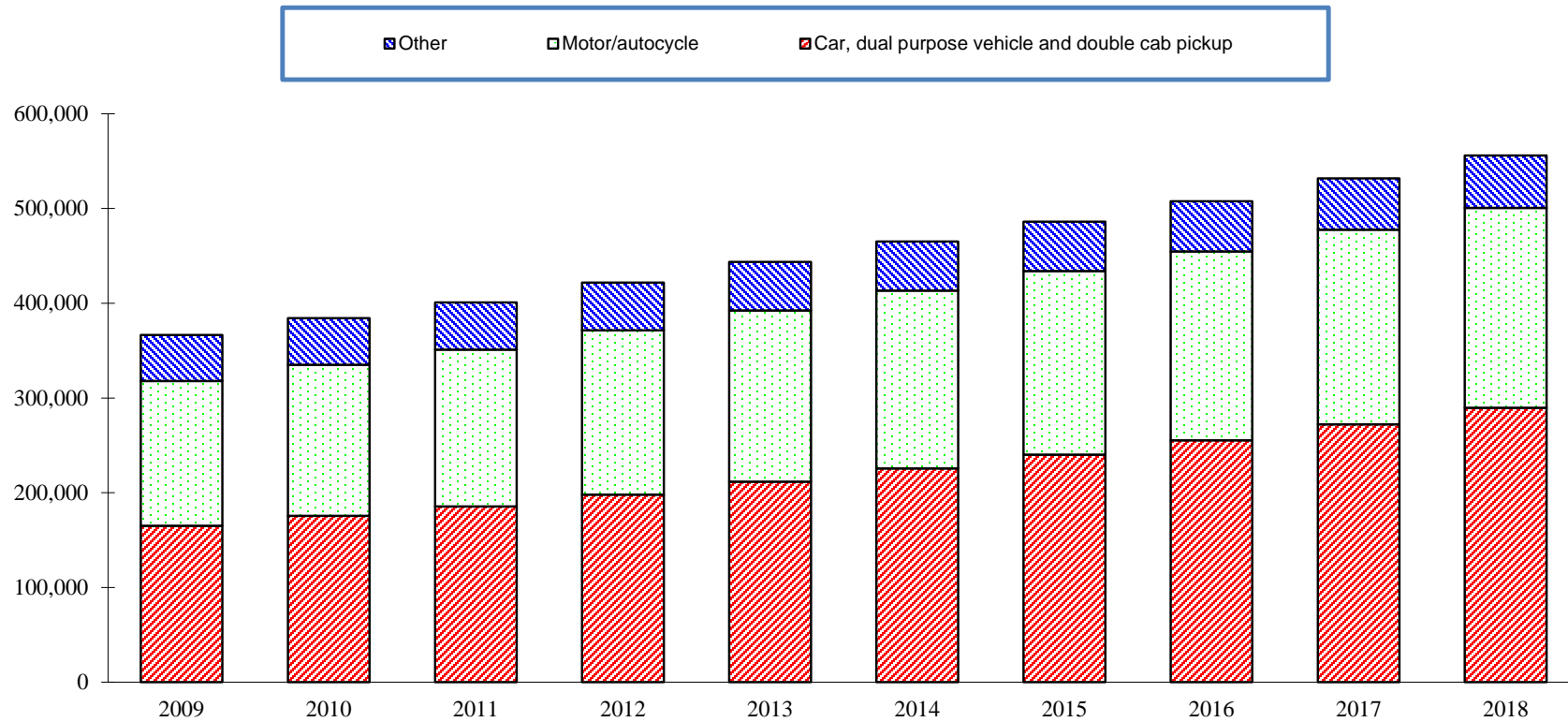
Type of vehicle	No. of vehicles at 31.12.17	New vehicles	Imported second-hand vehicles	Re - registered vehicles <sup>2</sup>	Vehicles off the road <sup>3</sup>	No. of vehicles at 31.12.18	Net change 2018
Car	218,976	8,722	8,523	659	1,282	235,598	16,622
Dual purpose vehicle	48,603	0	9	3	415	48,200	-403
Double cab pickup	4,634	1,457	15	107	335	5,878	1,244
Motor cycle	88,360	5,761	21	488	994	93,636	5,276
Auto cycle	117,133	1,722	0	1	1,367	117,489	356
Lorry and truck	15,024	475	161	70	225	15,505	481
Van	28,121	573	341	88	617	28,506	385
Bus	3,101	57	0	0	72	3,086	-15
Other	7,845	223	139	67	171	8,103	258
<b>Total</b>	<b>531,797</b>	<b>18,990</b>	<b>9,209</b>	<b>1,483</b>	<b>5,478</b>	<b>556,001</b>	<b>24,204</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, 2009 - 2018**



Type of vehicle	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Car, dual purpose vehicle and double cab pickup <sup>1</sup>	165,036	175,634	185,357	197,849	211,586	225,522	240,289	255,199	272,213	289,676
Motor cycle and autocycle	152,935	159,329	165,706	173,508	180,785	187,851	193,688	199,399	205,493	211,125
Other	48,549	49,152	49,856	50,569	51,124	51,679	52,167	53,078	54,091	55,200
<b>Total</b>	<b>366,520</b>	<b>384,115</b>	<b>400,919</b>	<b>421,926</b>	<b>443,495</b>	<b>465,052</b>	<b>486,144</b>	<b>507,676</b>	<b>531,797</b>	<b>556,001</b>

<sup>1</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

Note: Prior to the year 2013, 'Double cab pickup' was included in 'Dual purpose vehicle'

**Table 1.2 - Vehicles<sup>1</sup> registered , 2009 - 2018**

Type of vehicle	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Car	117,890	127,363	136,225	147,733	160,701	173,954	188,299	202,696	218,976	235,598
<i>(of which taxi car)</i>	<i>(6,921)</i>	<i>(6,924)</i>	<i>(6,907)</i>	<i>(6,905)</i>	<i>(6,915)</i>	<i>(6,911)</i>	<i>(6,907)</i>	<i>(6,905)</i>	<i>(6,909)</i>	<i>(6,907)</i>
Dual purpose vehicle <sup>2</sup>	47,146	48,271	49,132	50,116	49,730	49,503	49,301	48,961	48,603	48,200
Double cab pickup	0	0	0	0	1,155	2,065	2,689	3,542	4,634	5,878
Heavy motor car	1,275	1,249	1,230	1,244	1,250	1,271	1,284	1,316	1,345	1,367
Motor cycle	44,222	48,655	53,410	59,637	65,827	72,067	77,603	82,746	88,360	93,636
Auto cycle	108,713	110,674	112,296	113,871	114,958	115,784	116,085	116,653	117,133	117,489
Lorry and truck	12,950	13,186	13,539	13,902	14,061	14,243	14,372	14,645	15,024	15,505
Van	25,622	25,914	26,090	26,293	26,624	26,890	27,229	27,656	28,121	28,506
Bus	2,803	2,845	2,912	2,957	2,963	3,006	2,980	3,107	3,101	3,086
Tractor and dumper	3,102	3,119	3,173	3,202	3,226	3,254	3,244	3,251	3,277	3,351
Prime mover	558	596	650	689	715	734	774	817	873	947
Trailer	1,823	1,821	1,834	1,845	1,846	1,842	1,850	1,853	1,913	1,999
Road roller	97	98	99	101	102	103	103	105	109	110
Other	319	324	329	336	337	336	331	328	328	329
<b>TOTAL</b>	<b>366,520</b>	<b>384,115</b>	<b>400,919</b>	<b>421,926</b>	<b>443,495</b>	<b>465,052</b>	<b>486,144</b>	<b>507,676</b>	<b>531,797</b>	<b>556,001</b>

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

<sup>2</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

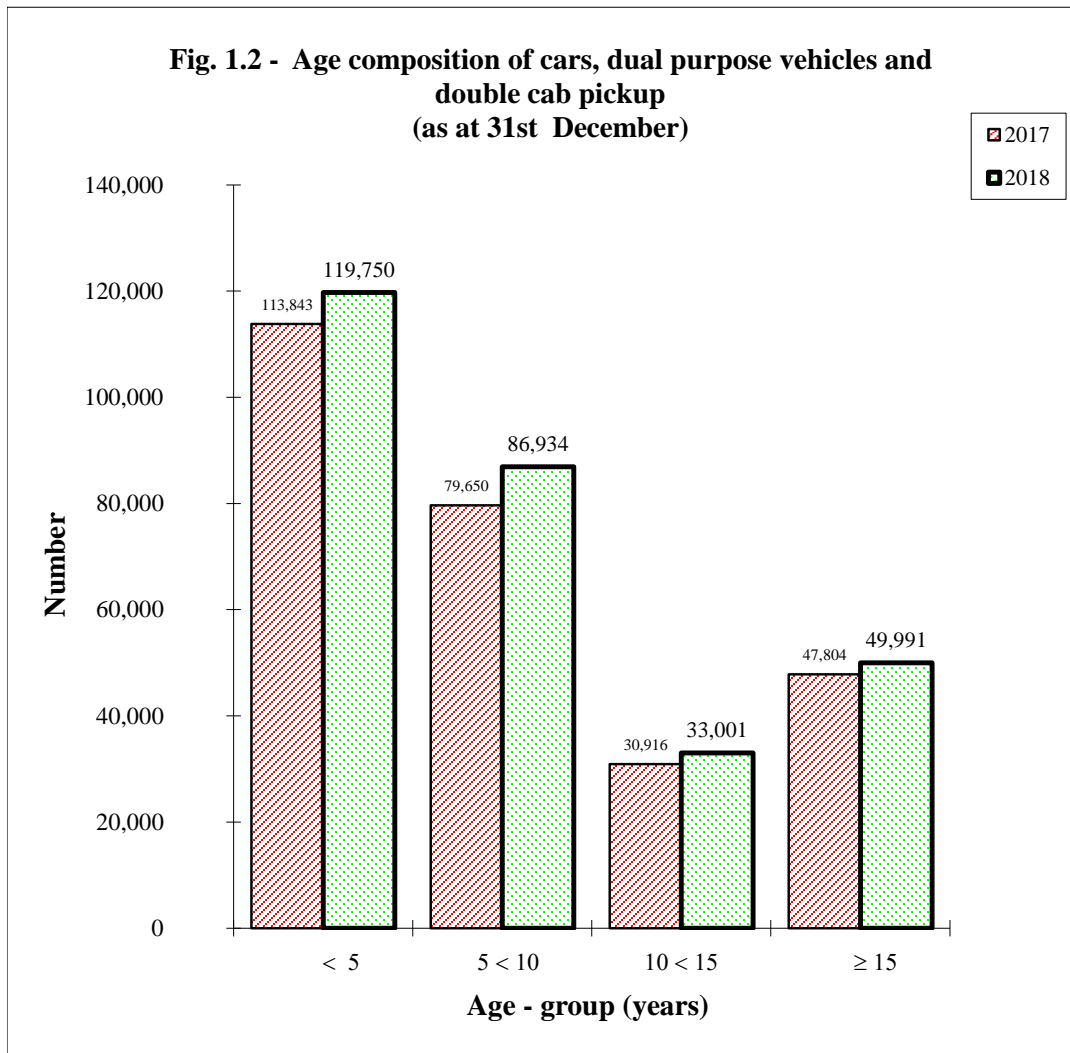
Note: Prior to the year 2013, 'Double cab pickup' was included in 'Dual purpose vehicle'



**Table 1.3 - Age composition of cars, dual purpose vehicles and double cab pickup, 2017 - 2018**

(as at 31st December)

Age group (Years)	2017		2018	
	Number	%	Number	%
< 5	113,843	41.8	119,750	41.3
5 < 10	79,650	29.3	86,934	30.0
10 < 15	30,916	11.3	33,001	11.4
≥ 15	47,804	17.6	49,991	17.3
<b>TOTAL</b>	<b>272,213</b>	<b>100.0</b>	<b>289,676</b>	<b>100.0</b>

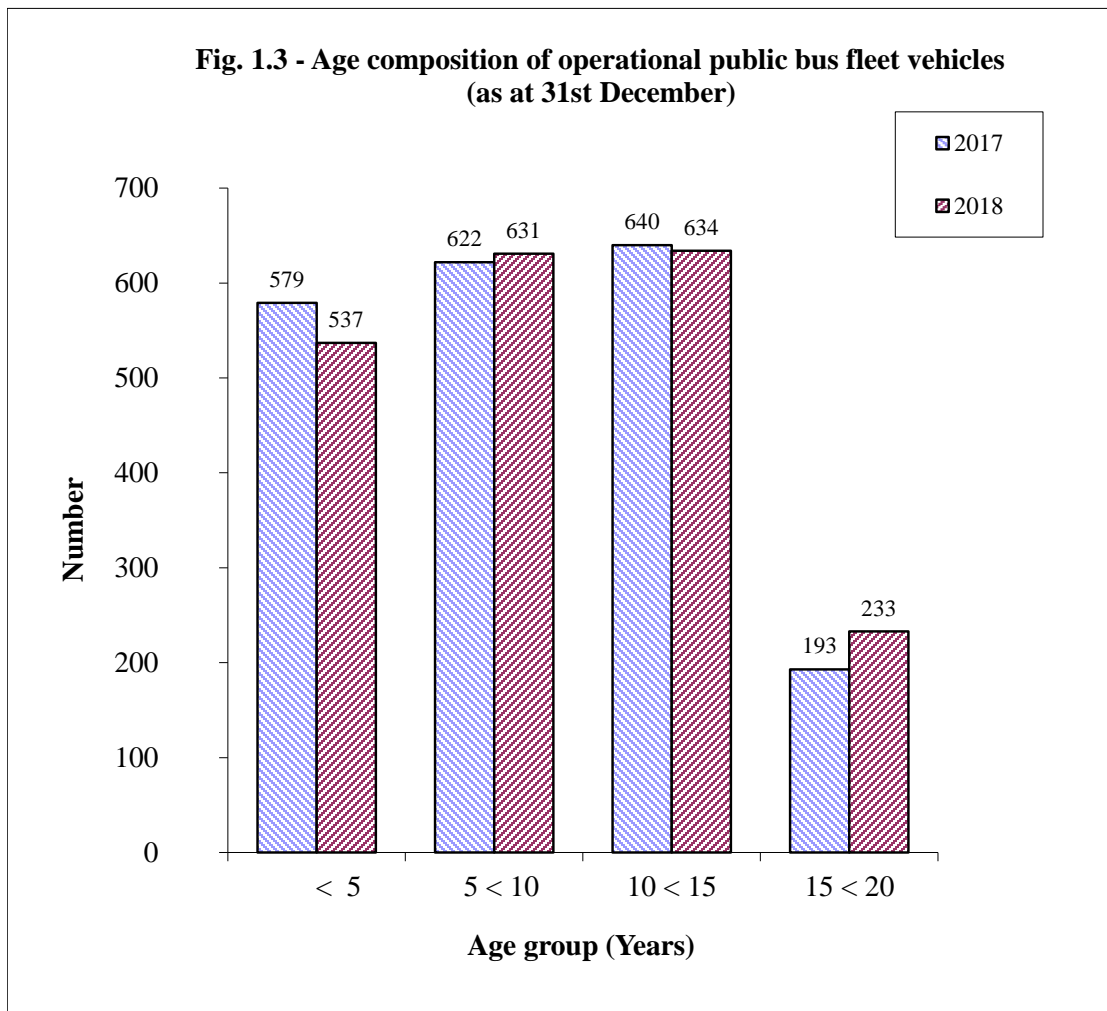


**Table 1.4 - Age composition of operational bus fleet <sup>1</sup>, 2017 - 2018**

(as at 31st December)

Age group (Years)	2017		2018	
	Number	%	Number	%
< 5	579	28.4	537	26.4
5 < 10	622	30.6	631	31.0
10 < 15	640	31.5	634	31.1
15 < 20	193	9.5	233	11.5
<b>TOTAL</b>	<b>2,034</b>	<b>100.0</b>	<b>2,035</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>, 2017 - 2018**

	2017 <sup>3</sup>	2018 <sup>4</sup>	Change	
			Number	%
<b>1. Road traffic accidents</b>	<b>29,627</b>	<b>29,075</b>	<b>- 552</b>	<b>- 1.9</b>
Number of accidents causing casualties	3,041	2,686	- 355	- 11.7
<i>Fatal accident</i> <sup>2</sup>	152	132	- 20	- 13.2
<i>Serious injury accident</i>	468	487	19	+4.1
<i>Slight injury accident</i>	2,421	2,067	- 354	- 14.6
Non injury accident	26,586	26,389	- 197	- 0.7
Rate per 100,000 population	2,425	2,379	Napp	Napp
Rate per 1,000 registered motor vehicles	57	54	Napp	Napp
<b>2. Vehicles involved in road accidents</b>	<b>58,364</b>	<b>57,104</b>	<b>- 1,260</b>	<b>- 2.2</b>
of which				
<i>Motor Vehicles</i>	58,178	56,962	- 1,216	- 2.1
Rate per 1,000 registered motor vehicles	112	105	Napp	Napp
Number of motor vehicles involved in accidents causing casualties	4,718	4,184	-534	- 11.3
<b>3. Casualties</b>	<b>4,209</b>	<b>3,718</b>	<b>- 491</b>	<b>- 11.7</b>
<i>Fatal</i> <sup>2</sup>	157	143	- 14	- 8.9
<i>Seriously injured</i>	560	597	37	+6.6
<i>Slightly injured</i>	3,492	2,978	- 514	- 14.7

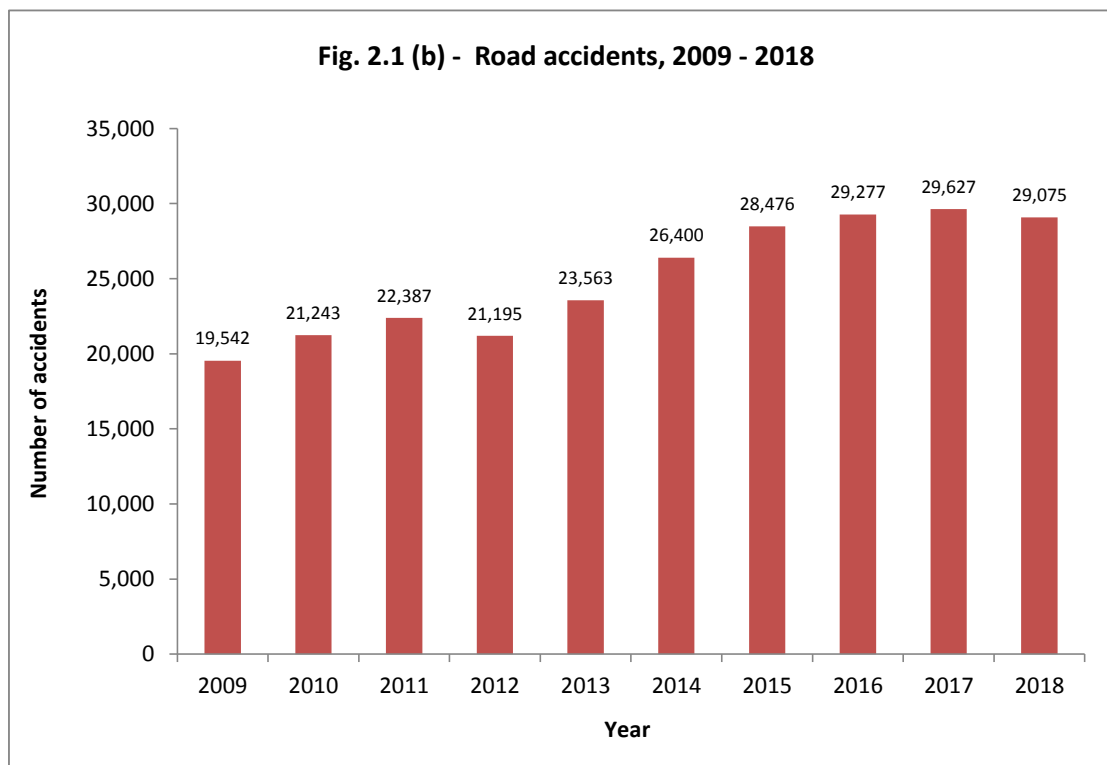
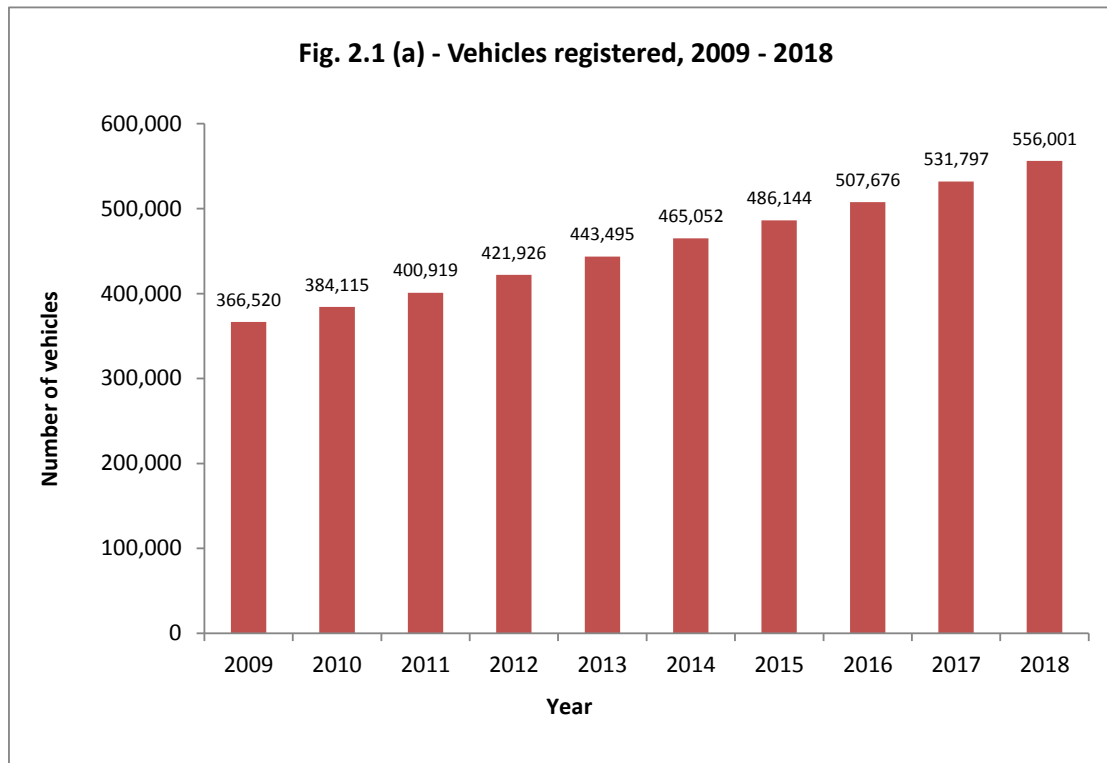
<sup>1</sup> Exclude accidents involving bicycles only or bicycle and pedestrian

<sup>2</sup> Based on definition of fatal accidents where death occurred within 30 days.

<sup>3</sup> Revised

<sup>4</sup> Provisional

Napp : Not applicable



**Table 2.2 - Road traffic accidents<sup>1</sup> and casualties, 2009 - 2018**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>1. Road traffic accidents :</b>										
Number	19,542	21,243	22,387	21,056	23,563	26,400	28,476	29,277	29,627	29,075
Rate per 100,000 population	1,618	1,755	1,847	1,733	1,936	2,165	2,333	2,397	2,425	2,379
Rate per 1,000 registered motor vehicles	54	57	57	51	55	58	60	59	57	54
<b>2. Motor vehicle involved :</b>										
Number	38,058	41,084	41,294	40,759	41,888	51,264	55,617	57,335	58,178	56,962
Rate per 1,000 registered motor vehicles	106	110	105	99	97	113	117	116 <sup>3</sup>	112	105
<b>3. Casualties :</b>										
Total number of casualties of which	3,661	3,640	3,422	3,653	3,610	3,592	3,722	3,862	4,209	3,718
<i>Fatal</i>	140	158	152	156	136	137	139	144	157	143
<i>Seriously injured</i>	516	569	487	549	465	505	530	512	560	597
<i>Slightly injured</i>	3,005	2,913	2,783	2,948	3,009	2,950	3,053	3,206	3,492	2,978
<b>4. Fatality :</b>										
Rate per 100,000 population	11.6	13.1	12.5	12.8	11.2	11.2	11.4	11.8	12.8	11.7
Rate per 1,000 registered motor vehicles	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Fatality index <sup>2</sup>	3.8	4.3	4.4	4.3	3.8	3.8	3.7	3.7	3.7	3.8

<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 <sup>1</sup> involved in accidents (causing casualties) by type, 2017 - 2018**

Type of vehicle	2017					2018				
	Casualties					Casualties				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	82	293	1,341	1,716	35.0	57	160	1,323	1,540	35.6
Taxi car	3	11	52	66	1.3	2	5	38	45	1.0
Bus	12	46	248	306	6.2	8	29	236	273	6.3
Lorry	8	25	43	76	1.6	9	10	79	98	2.3
Van	5	35	226	266	5.4	25	32	261	318	7.4
Motor / auto cycle	77	350	1,474	1,901	38.8	77	170	1,405	1,652	38.2
Other motor vehicles	32	52	303	387	7.9	13	26	218	257	5.9
<b>Total motor vehicles</b>	<b>219</b>	<b>812</b>	<b>3,687</b>	<b>4,718</b>	<b>96.2</b>	<b>191</b>	<b>432</b>	<b>3,560</b>	<b>4,183</b>	<b>96.7</b>
Pedal cycle	13	45	128	186	3.8	5	15	122	142	3.3
Other non-motor vehicles	0	0	0	0	0.0	0	0	0	0	0.0
<b>All vehicles</b>	<b>232</b>	<b>857</b>	<b>3,815</b>	<b>4,904</b>	<b>100.0</b>	<b>196</b>	<b>447</b>	<b>3,682</b>	<b>4,325</b>	<b>100.0</b>

<sup>1</sup> Only three main vehicles have been considered in accidents involving more than three vehicles

**Table 2.4 - Number of casualties by class of road users, 2017 - 2018**

Class of road users	2017 <sup>1</sup>				2018			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Pedestrian	331	325	656	15.6	257	314	571	15.3
Passenger	493	513	1,006	23.9	465	499	964	25.9
Driver	310	297	607	14.4	296	279	575	15.5
Rider (auto/motor cycle)	875	883	1,758	41.8	719	742	1,461	39.3
Pedal cyclist	95	87	182	4.3	61	86	147	4.0
<b>Total</b>	<b>2,104</b>	<b>2,105</b>	<b>4,209</b>	<b>100.0</b>	<b>1,798</b>	<b>1,920</b>	<b>3,718</b>	<b>100.0</b>

<sup>1</sup> Revised**Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2017- 2018.**

Year Accident	2017				2018			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Vehicles v/s pedestrian	43	29	72	43.6	32	24	56	36.8
Vehicles v/s vehicles	60	33	93	56.4	65	31	96	63.2
<b>Total</b>	<b>103</b>	<b>62</b>	<b>165</b>	<b>100.0</b>	<b>97</b>	<b>55</b>	<b>152</b>	<b>100.0</b>

**Table 2.6 - Number of fatalities by category of road users and age-group, 2018**

<b>Category of road users</b> <b>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	1	0	<b>2</b>
<b>5 - 14</b>	0	0	0	1	2	<b>3</b>
<b>15 - 29</b>	0	10	7	6	36	<b>59</b>
<b>30 - 44</b>	0	4	2	2	12	<b>20</b>
<b>45 - 59</b>	1	3	5	10	9	<b>28</b>
<b>60 - 69</b>	2	0	1	6	6	<b>15</b>
<b>Over 69</b>	2	0	0	10	4	<b>16</b>
<b>All ages</b>	<b>5</b>	<b>17</b>	<b>16</b>	<b>36</b>	<b>69</b>	<b>143</b>