

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

Year 2016

## 1. Vehicles registered in 2016

At the end of December 2016, there were 507,676 vehicles registered at the National Transport Authority. This represents a net increase of 21,532 vehicles (4.4%) as compared to end of year 2015 when the number of registered vehicles was 486,144 (Table 1.1).

During the year 2016, the fleet was strengthened with the registration of 26,658 vehicles, of which 16,831 (63.1%) were new, 8,935 (33.5%) were imported second-hand and 892 (3.4%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period, some 5,126 vehicles were put off the road. The net addition to the existing fleet worked out to 21,532 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 2016, the fleet consisted of 50.3% (255,199) cars, double cab pickup and dual purpose vehicles and 39.3% (199,399) auto/motor cycles. The remaining 10.4% comprised vans (27,656), lorries and trucks (14,645), buses (3,107) and other vehicles (7,670). 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 cab pickup and dual purpose vehicles*

At the end of December 2016, the number of cars, double cab pickup and dual purpose vehicles was 255,199, a rise of 6.2% over the figure of 240,289 as at end of December 2015. This increase resulted from the registration of 16,358 such vehicles (8,020 new, 8,338 imported second-hand and 457 re-registered), partly offset by 1,905 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 2016, some 42.2% were less than 5 years, 28.1% between 5 and 9 years and the remaining 29.7%, 10 years and above.

### 3.2 *Buses*

At the end of December 2016, there were 3,107 registered buses, out of which 2,032 or 65.4% were 'public' buses operating with a road service licence. During 2016, some 220 new buses were registered while 93 buses were put off the road resulting in an increase of 127 buses.

Table 1.4, which gives the age distribution of the fleet of public buses, shows that 31.7% of the buses were under 5 years, 33.3% between 5 and 9 years and 35.0%, between 10 and 20 years.

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

At the end of 2016, there were 199,399 motor cycles and auto cycles. This represents a net increase of 5,711 (+2.9%) against 193,688 at the end of 2015 (Table 1.1).

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

The number of road traffic accidents registered during the year 2016 was 29,277 against 28,476 in the preceding year, showing an increase of 2.8%. Among these accidents, the majority, 26,488 (90.5%) were non-injury, 132 fatal, 427 caused serious injuries and 2,230 slight injuries (Table 2.1).

Compared to 2015, accidents causing casualties went up by 1.7% and non-injury accidents by 2.9%. Fatal accidents rose by 3.9%, slight injury accidents by 3.8% while serious injury accidents decreased by 8.8%.

The accident rate, expressed as the number of accidents per 100,000 mid-year population, increased from 2,333 in 2015 to 2,397 in 2016 and the number of accidents per 1,000 mid-year registered motor vehicles decreased from 60 in 2015 to 59 in 2016.

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

During the year 2016, the total number of vehicles (both motor and non-motor) involved in road accidents was 57,282 (+2.7%) against 55,787 in the previous year. The number of motor vehicles involved in accidents resulting in casualties was 4,319 in 2016 against 4,152 in 2015. Table 2.3 shows that 34.0% of the vehicles were private cars, 38.4% were motor/auto cycles, 6.1% were buses and 5.6% were vans.

#### **7. Casualties**

The number of casualties (fatalities and persons injured as a result of road traffic accidents) increased by 3.3% from 3,722 in 2015 to 3,845 in 2016. Among the casualties, 144 were fatal, 507 seriously injured and the remaining 3,194 slightly injured.

Table 2.4 reveals that, among the casualties in 2016, some 40.0% were riders of auto/motor cycles, 24.0% passengers, 16.7% drivers, 15.4% pedestrians and 3.9% pedal cyclists.

Compared to 2015, the number of persons who died as a result of road accidents in 2016 went up by 3.6%. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, was 11.8, compared to 11.4 in 2015. Out of the 144 persons killed in road accidents during year 2016, the most vulnerable category of road users were riders/pillion riders of motorised two-wheelers (66), followed by pedestrians (44), (Table 2.6).

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

In 2016, there were 138 "hit and run" cases causing casualties compared to 199 in 2015. Out of these 138 cases, 60.1% (83) involved vehicles only while the other 39.9% (55) 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 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 2016**

Type of vehicle	No. of vehicles at 31.12.15	New vehicles	Imported second-hand vehicles	Re - registered vehicles <sup>2</sup>	Vehicles off the road <sup>3</sup>	No. of vehicles at 31.12.16	Net change 2016
Car	188,299	6,928	8,305	396	1,232	202,696	14,397
Dual purpose vehicle	49,301	-	23	2	365	48,961	- 340
Double cab pickup <sup>4</sup>	2,689	1,092	10	59	308	3,542	853
Motor cycle	77,603	5,619	36	304	816	82,746	5,143
Auto cycle	116,085	1,929	-	-	1,361	116,653	568
Lorry and truck	14,372	315	143	49	234	14,645	273
Van	27,229	593	334	60	560	27,656	427
Bus	2,980	220	-	-	93	3,107	127
Other	7,586	135	84	22	157	7,670	84
<b>Total</b>	<b>486,144</b>	<b>16,831</b>	<b>8,935</b>	<b>892</b>	<b>5,126</b>	<b>507,676</b>	<b>21,532</b>

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

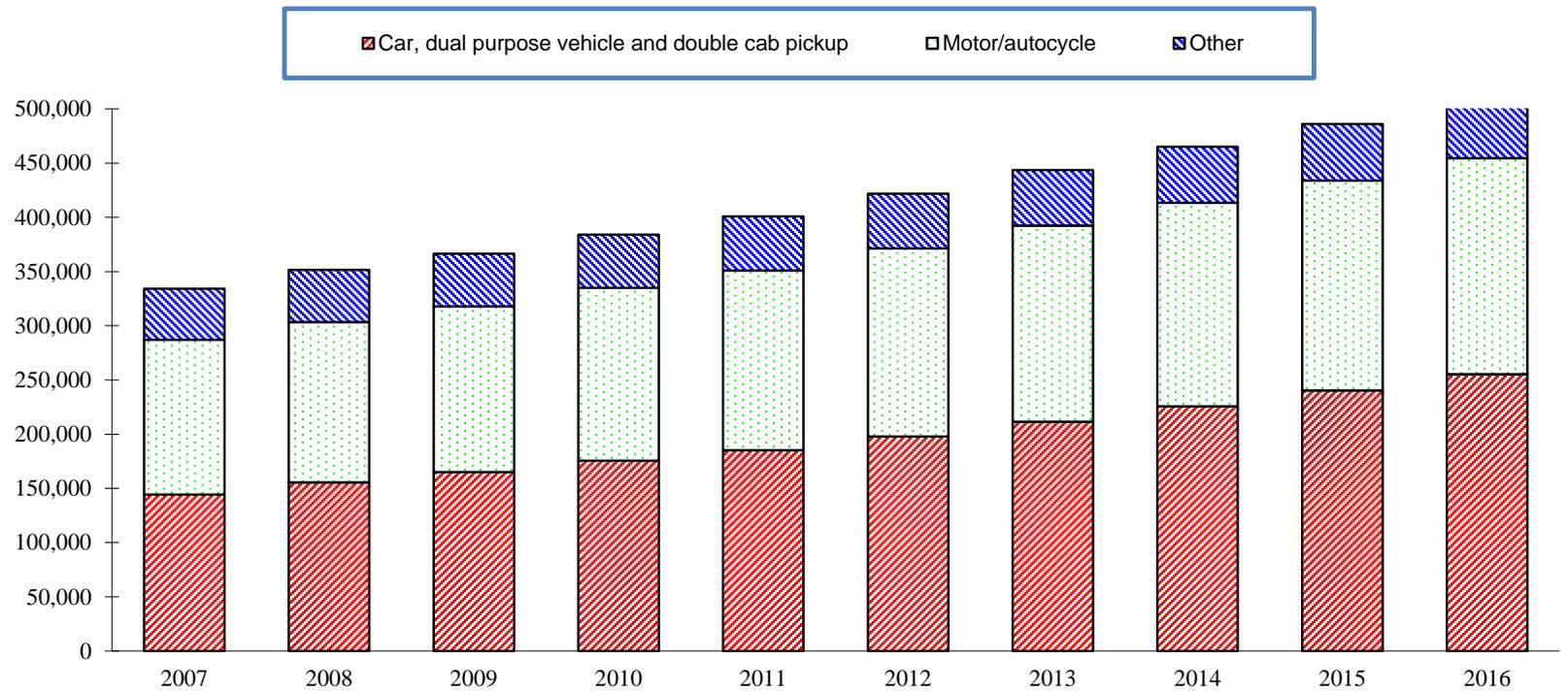
<sup>2</sup> Refers to re-registration of vehicles previously off the road.

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

<sup>4</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'

**Fig. 1.1 - Stock of registered vehicles, 2007 - 2016**



Type of vehicle	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Car, dual purpose vehicle and double cab pickup <sup>1</sup>	144,405	155,528	165,036	175,634	185,357	197,849	211,586	225,522	240,289	255,199
Motor cycle and autocycle	142,606	147,988	152,935	159,329	165,706	173,508	180,785	187,851	193,688	199,399
Other	47,134	47,890	48,549	49,152	49,856	50,569	51,124	51,679	52,167	53,078
<b>Total</b>	<b>334,145</b>	<b>351,406</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>

<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 , 2007 - 2016**

Type of vehicle	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Car	99,770	109,507	117,890	127,363	136,225	147,733	160,701	173,954	188,299	202,696
<i>(of which taxi car)</i>	<i>(6,885)</i>	<i>(6,941)</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>
Dual purpose vehicle	44,635	46,021	47,146	48,271	49,132	50,116	49,730	49,503	49,301	48,961
Double cab pickup <sup>2</sup>	-	-	-	-	-	-	1,155	2,065	2,689	3,542
Heavy motor car	1,223	1,290	1,275	1,249	1,230	1,244	1,250	1,271	1,284	1,316
Motor cycle	36,969	40,804	44,222	48,655	53,410	59,637	65,827	72,067	77,603	82,746
Auto cycle	105,637	107,184	108,713	110,674	112,296	113,871	114,958	115,784	116,085	116,653
Lorry and truck	12,536	12,726	12,950	13,186	13,539	13,902	14,061	14,243	14,372	14,645
Van	24,934	25,334	25,622	25,914	26,090	26,293	26,624	26,890	27,229	27,656
Bus	2,753	2,762	2,803	2,845	2,912	2,957	2,963	3,006	2,980	3,107
Tractor and dumper	3,025	3,045	3,102	3,119	3,173	3,202	3,226	3,254	3,244	3,251
Prime mover	452	505	558	596	650	689	715	734	774	817
Trailer	1,795	1,809	1,823	1,821	1,834	1,845	1,846	1,842	1,850	1,853
Road roller	96	96	97	98	99	101	102	103	103	105
Other	320	323	319	324	329	336	337	336	331	328
<b>TOTAL</b>	<b>334,145</b>	<b>351,406</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>

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

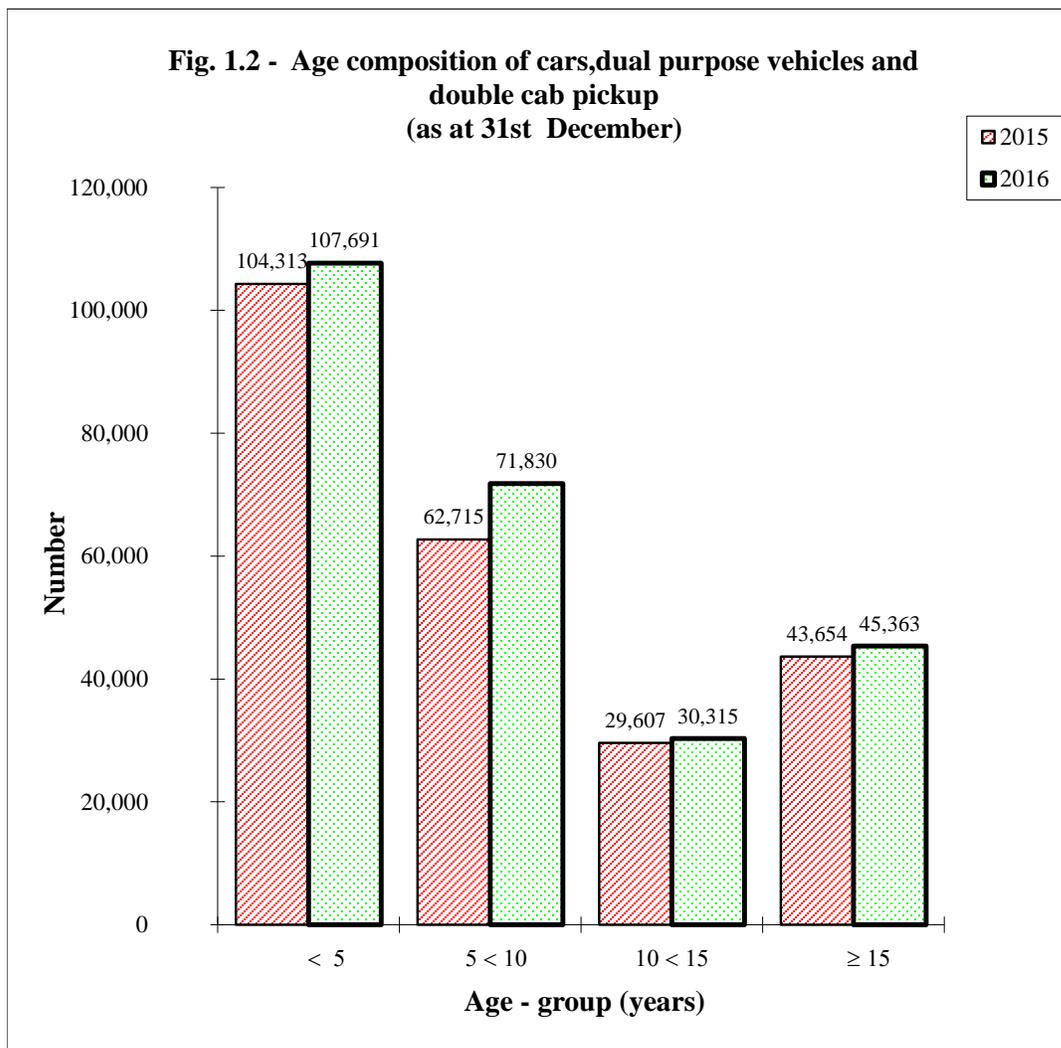
<sup>2</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

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 <sup>1</sup>, 2015 - 2016**

( as at 31st December )

Age group (Years)	2015		2016	
	Number	%	Number	%
< 5	104,313	43.4	107,691	42.2
5 < 10	62,715	26.1	71,830	28.1
10 < 15	29,607	12.3	30,315	11.9
≥ 15	43,654	18.2	45,363	17.8
<b>TOTAL</b>	<b>240,289</b>	<b>100.0</b>	<b>255,199</b>	<b>100.0</b>



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

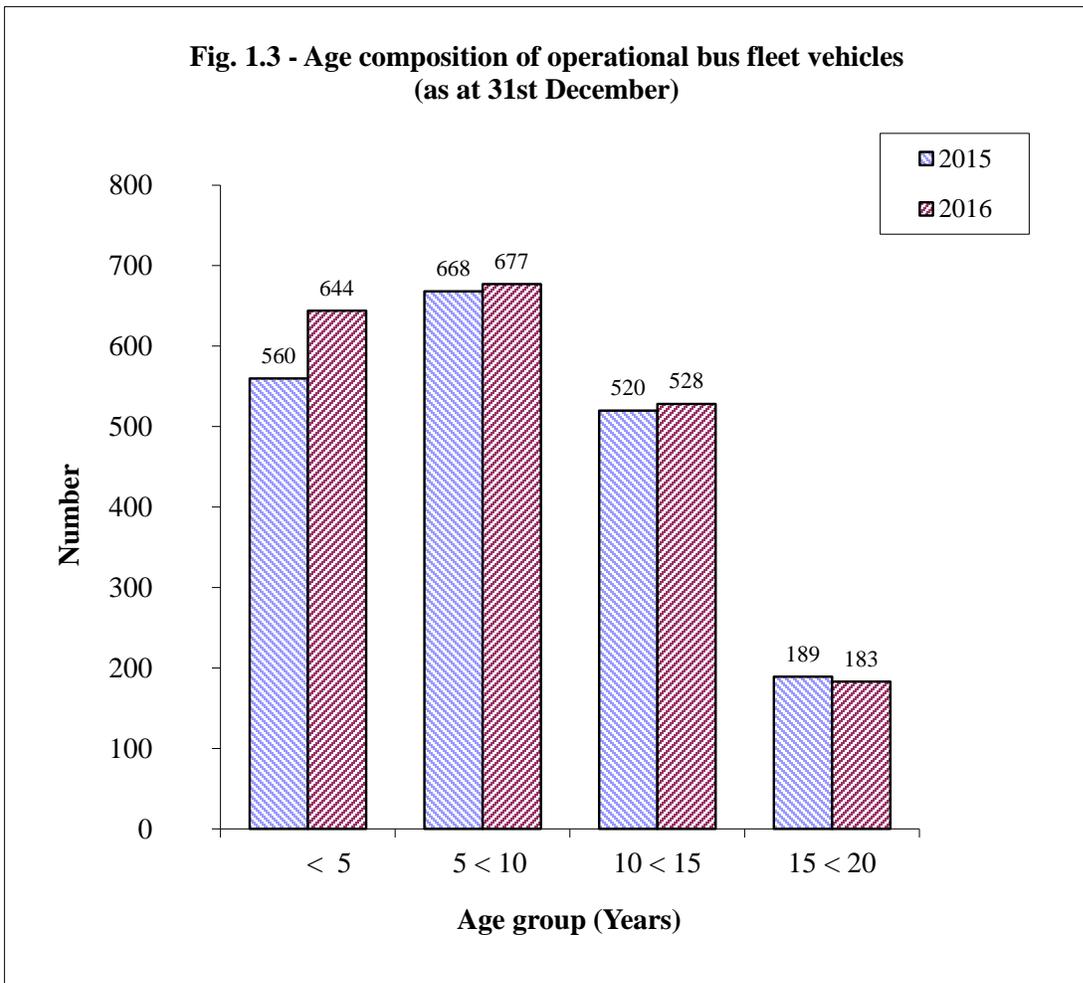
Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

**Table 1.4 - Age composition of operational bus fleet <sup>1</sup>, 2015 - 2016**

(as at 31st December)

Age group (Years)	2015		2016	
	Number	%	Number	%
< 5	560	28.9	644	31.7
5 < 10	668	34.5	677	33.3
10 < 15	520	26.8	528	26.0
15 < 20	189	9.8	183	9.0
<b>TOTAL</b>	<b>1,937</b>	<b>100.0</b>	<b>2,032</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

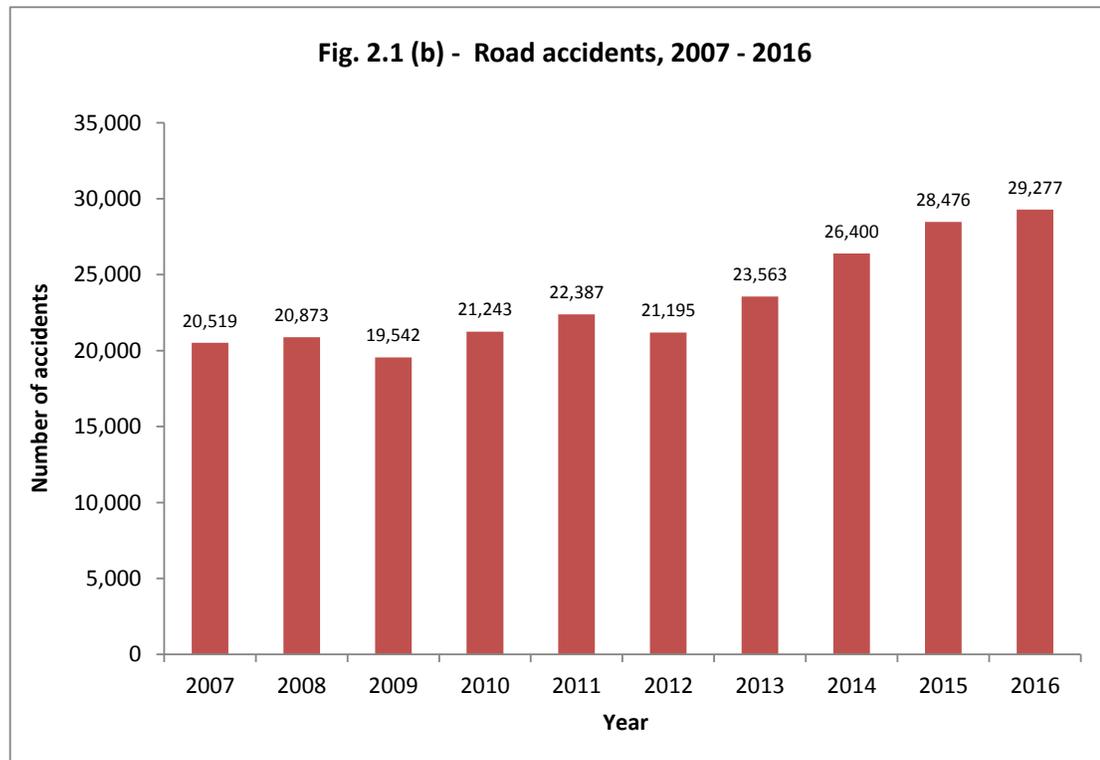
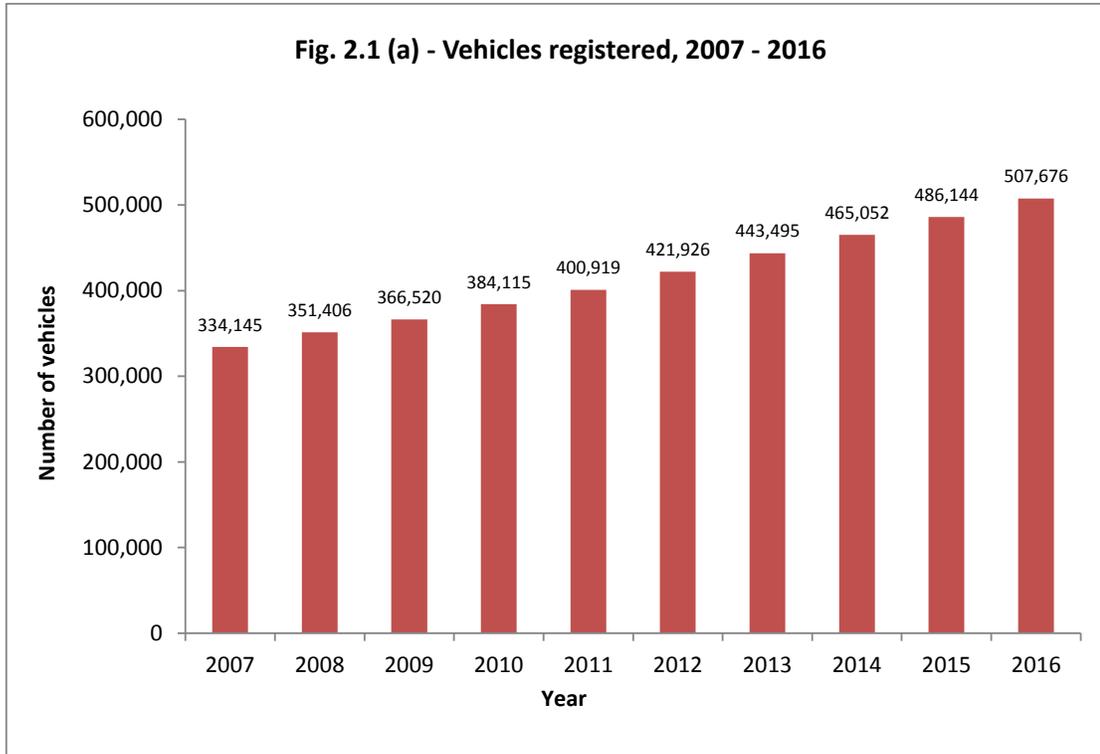


**Table 2.1 - Road traffic accidents<sup>1</sup>, 2015 - 2016**

	2015 <sup>3</sup>	2016 <sup>4</sup>	Change	
			Number	%
<b>1. Road traffic accidents</b>	<b>28,476</b>	<b>29,277</b>	<b>801</b>	<b>+ 2.8</b>
Number of accidents causing casualties	2,743	2,789	46	+ 1.7
<i>Fatal accident<sup>2</sup></i>	127	132	5	+ 3.9
<i>Serious injury accident</i>	468	427	- 41	- 8.8
<i>Slight injury accident</i>	2,148	2,230	82	+ 3.8
Non injury accident	25,733	26,488	755	+ 2.9
Rate per 100,000 population	2,333	2,397	N.A	N.A
Rate per 1,000 registered motor vehicles	60	59	N.A	N.A
<b>2. Vehicles involved in road accidents</b>				
Number of vehicles involved of which	55,787	57,282	1,495	+ 2.7
<i>Motor Vehicles</i>	55,617	57,098	1,481	+ 2.7
Rate per 1,000 registered motor vehicles	117	115	N.A	N.A
Number of motor vehicles involved in accident causing casualties	4,152	4,319	167	+ 4.0
<b>3. Casualties</b>	<b>3,722</b>	<b>3,845</b>	<b>123</b>	<b>+ 3.3</b>
<i>Fatal<sup>2</sup></i>	139	144	5	+ 3.6
<i>Seriously injured</i>	530	507	- 23	- 4.3
<i>Slightly injured</i>	3,053	3,194	141	+ 4.6

<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

N.A : Not applicable



**Table 2.2 - Road traffic accidents<sup>1</sup> and casualties, 2007 - 2016**

	2007	2008	2009	2010	2011	2012	2013	2014	2015 <sup>3</sup>	2016
<b>1. Road traffic accidents :</b>										
Number	20,519	20,873	19,542	21,243	22,387	21,056	23,563	26,400	28,476	29,277
Rate per 100,000 population	1,709	1,732	1,618	1,755	1,847	1,733	1,936	2,165	2,333	2,397
Rate per 1,000 registered motor vehicles	63	61	54	57	57	51	55	58	60	59
<b>2. Motor vehicle involved :</b>										
Number	41,178	42,910	38,058	41,084	41,294	40,759	41,888	51,264	55,617	57,098
Rate per 1,000 registered motor vehicles	126	125	106	110	105	99	97	113	117	115
<b>3. Casualties :</b>										
Total number of casualties of which	3,055	3,435	3,661	3,640	3,422	3,653	3,610	3,592	3,809	3,845
<i>Fatal</i>	140	168	140	158	152	156	136	137	139	144
<i>Seriously injured</i>	500	512	516	569	487	549	465	505	530	507
<i>Slightly injured</i>	2,415	2,755	3,005	2,913	2,783	2,948	3,009	2,950	3,053	3,194
<b>4. Fatality :</b>										
Rate per 100,000 population	11.7	13.9	11.6	13.1	12.5	12.8	11.2	11.2	11.4	11.8
Rate per 1,000 registered motor vehicles	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
Fatality index <sup>2</sup>	4.6	4.9	3.8	4.3	4.4	4.3	3.8	3.8	3.7	3.7

<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, 2015 - 2016**

Type of vehicle	2015					2016				
	Casualties					Casualties				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	52	217	1,140	1,409	32.6	51	232	1,244	1,527	34.0
Taxi car	3	11	44	58	1.3	3	8	44	55	1.2
Bus	25	46	212	283	6.5	17	33	225	275	6.1
Lorry	9	14	60	83	1.9	10	19	51	80	1.8
Van	4	44	200	248	5.7	8	35	207	250	5.6
Motor / auto cycle	64	329	1,284	1,677	38.8	68	302	1,354	1,724	38.4
Other motor vehicles	28	56	310	394	9.1	20	53	322	395	8.8
<b>Total motor vehicles</b>	<b>185</b>	<b>717</b>	<b>3,250</b>	<b>4,152</b>	<b>96.1</b>	<b>177</b>	<b>682</b>	<b>3,447</b>	<b>4,306</b>	<b>95.9</b>
Pedal cycle	10	18	142	170	3.9	10	18	156	184	4.1
Other non-motor vehicles	-	-	-	-	-	-	-	-	-	-
<b>All vehicles</b>	<b>195</b>	<b>735</b>	<b>3,392</b>	<b>4,322</b>	<b>100.0</b>	<b>187</b>	<b>700</b>	<b>3,603</b>	<b>4,490</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, 2015- 2016**

Class of road users	2015 <sup>1</sup>				2016			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Pedestrian	311	258	569	15.3	300	292	592	15.4
Passenger	426	411	837	22.5	430	491	921	24.0
Driver	262	346	608	16.3	304	340	644	16.7
Rider (auto/motor cycle)	772	772	1,544	41.5	782	757	1,539	40.0
Pedal cyclist	83	81	164	4.4	80	69	149	3.9
<b>Total</b>	<b>1,854</b>	<b>1,868</b>	<b>3,722</b>	<b>100.0</b>	<b>1,896</b>	<b>1,949</b>	<b>3,845</b>	<b>100.0</b>

<sup>1</sup> Revised**Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2015- 2016.**

Year Accident	2015				2016			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Vehicles v/s pedestrian	56	30	86	43.2	31	24	55	39.9
Vehicles v/s vehicles	63	50	113	56.8	55	28	83	60.1
<b>Total</b>	<b>119</b>	<b>80</b>	<b>199</b>	<b>100.0</b>	<b>86</b>	<b>52</b>	<b>138</b>	<b>100.0</b>

**Table 2.6 - Number of fatalities by category of road users and age-group, 2016**

<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 motorised two - wheelers</b>	<b>Total</b>
<b>Under 5</b>	-	-	-	1	-	<b>1</b>
<b>5 - 14</b>	1	-	1	-	-	<b>2</b>
<b>15 - 29</b>	-	6	5	4	34	<b>49</b>
<b>30 - 44</b>	2	2	1	9	10	<b>24</b>
<b>45 - 59</b>	4	4	2	10	14	<b>34</b>
<b>60 - 69</b>	3	1	-	13	7	<b>24</b>
<b>Over 69</b>	-	-	2	7	1	<b>10</b>
<b>All ages</b>	<b>10</b>	<b>13</b>	<b>11</b>	<b>44</b>	<b>66</b>	<b>144</b>