

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

Year 2015

## 1. Vehicles registered in 2015

At the end of December 2015, there were 486,144 vehicles registered at the National Transport Authority. This represents a net increase of 21,092 vehicles (4.5%) as compared to end of year 2014 when the number of registered vehicles was 465,052 (Table 1.1).

During the year 2015, the fleet was strengthened with the registration of 26,013 vehicles, of which 16,108 (61.9%) were new, 9,041 (34.8%) were imported second-hand and 864 (3.3%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period, some 4,921 vehicles were put off the road. The net addition to the existing fleet worked out to 21,092 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 2015, the fleet consisted of 49.4% (240,289) cars, double cab pickup and dual purpose vehicles and 39.9% (193,688) auto/motor cycles. The remaining 10.7% comprised vans (27,229), lorries and trucks (14,372), buses (2,980) and other vehicles (7,586). 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 2015, the number of cars, double cab pickup and dual purpose vehicles was 240,289, a rise of 6.5% over the figure of 225,522 as at end of December 2014. This increase resulted from the registration of 16,570 such vehicles (7,649 new, 8,511 imported second-hand and 410 re-registered), partly offset by 1,803 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 2015, some 43.4% were less than 5 years, 26.1% between 5 and 9 years and the remaining 30.5%, 10 years and above.

### 3.2 *Buses*

At the end of December 2015, there were 2,980 registered buses, out of which 1,937 or 65.0% were 'public' buses operating with a road service licence. During 2015, some 56 new buses were registered, 1 bus was re-registered while 83 buses were put off the road resulting in a decrease of 26 buses.

Table 1.4, which gives the age distribution of the fleet of public buses, shows that 28.9% of the buses were under 5 years, 34.5% between 5 and 9 years and 36.6%, between 10 and 20 years.

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

At the end of 2015, there were 193,688 motor cycles and auto cycles. This represents a net increase of 5,837 (+3.1%) against 187,851 at the end of 2014 (Table 1.1).

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

The number of road traffic accidents registered during the year 2015 was 28,476 against 26,400 in the preceding year, showing an increase of 7.9%. Among these accidents, the majority, 25,733 (90.4%) were non-injury, 127 fatal, 401 caused serious injuries and 2,215 slight injuries (Table 2.1).

Compared to 2014, accidents causing casualties went up by 5.8% and non-injury accidents by 8.1%. Fatal accidents rose by 1.6%, slight injury accidents by 8.4% while serious injury accidents decreased by 5.6%.

The accident rate, expressed as the number of accidents per 100,000 mid-year population, increased from 2,165 in 2014 to 2,333 in 2015 and the number of accidents per 1,000 mid-year registered motor vehicles increased from 58 in 2014 to 60 in 2015.

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

During the year 2015, the total number of vehicles (both motor and non-motor) involved in road accidents was 55,827 (+8.6%) against 51,396 in the previous year. The number of motor vehicles involved in accidents resulting in casualties was 3,908 in 2015 against 3,651 in 2014. Table 2.3 shows that 31.4% of the vehicles were private cars, 39.8% were motor/auto cycles, 6.9% were buses and 5.5% were vans.

#### **7. Casualties**

The number of casualties (fatalities and persons injured as a result of road traffic accidents) increased by 6.0% from 3,592 in 2014 to 3,809 in 2015. Among the casualties, 139 were fatal, 495 seriously injured and the remaining 3,175 slightly injured.

Table 2.4 reveals that, among the casualties in 2015, some 24.7% were passengers, 40.3% riders of auto/motor cycles, 15.7% pedestrians, 14.8% drivers and 4.5% pedal cyclists.

Compared to 2014, the number of persons who died as a result of road accidents in 2015 went up by 1.5%. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, was 11.4, compared to 11.2 in 2014. Out of the 139 persons killed in road accidents during year 2015, the most vulnerable category of road users were riders/pillion riders of motorised two-wheelers (54), followed by pedestrians (44), (Table 2.6).

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

In 2015, there were 171 "hit and run" cases causing casualties compared to 163 in 2014. Out of these 171 cases, 55.6% (95) involved vehicles only while the other 44.4% (76) 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 2015**

Type of vehicle	No. of vehicles at 31.12.14	New vehicles	Imported second-hand vehicles	Re - registered vehicles <sup>2</sup>	Vehicles off the road <sup>3</sup>	No. of vehicles at 31.12.15	Net addition 2015
Car	173,954	6,678	8,479	350	1,162	188,299	14,345
Dual purpose vehicle	49,503	1	22	7	232	49,301	- 202
Double cab pickup <sup>4</sup>	2,065	970	10	53	409	2,689	624
Motor cycle	72,067	5,923	53	317	757	77,603	5,536
Auto cycle	115,784	1,658	4	2	1,363	116,085	301
Lorry and truck	14,243	236	54	52	213	14,372	129
Van	26,890	470	361	52	544	27,229	339
Bus	3,006	56	-	1	83	2,980	- 26
Other	7,540	116	58	30	158	7,586	46
<b>Total</b>	<b>465,052</b>	<b>16,108</b>	<b>9,041</b>	<b>864</b>	<b>4,921</b>	<b>486,144</b>	<b>21,092</b>

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

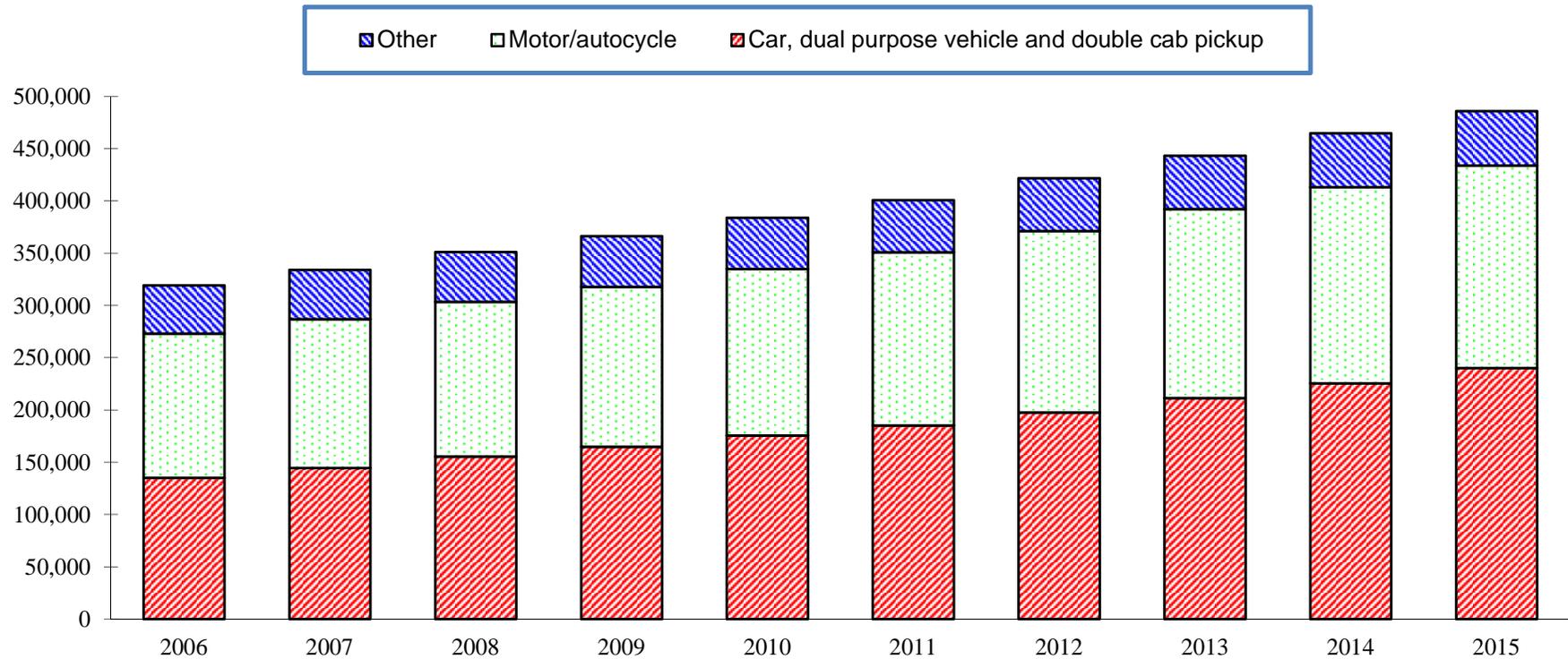
<sup>2</sup> Refers to re-registration of vehicles previously off the road.

<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, 2006 - 2015**



Type of vehicle	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Car, dual purpose vehicle and double cab pickup <sup>1</sup>	135,132	144,405	155,528	165,036	175,634	185,357	197,849	211,586	225,522	240,289
Motor cycle and autocycle	138,174	142,606	147,988	152,935	159,329	165,706	173,508	180,785	187,851	193,688
Other	46,134	47,134	47,890	48,549	49,152	49,856	50,569	51,124	51,679	52,167
<b>Total</b>	<b>319,440</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>

<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 , 2006 - 2015**

Type of vehicle	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Car	91,911	99,770	109,507	117,890	127,363	136,225	147,733	160,701	173,954	188,299
<i>(of which taxi car)</i>	<i>(6,860)</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>
Dual purpose vehicle	43,221	44,635	46,021	47,146	48,271	49,132	50,116	49,730	49,503	49,301
Double cab pickup <sup>2</sup>	-	-	-	-	-	-	-	1,155	2,065	2,689
Heavy motor car	1,118	1,223	1,290	1,275	1,249	1,230	1,244	1,250	1,271	1,284
Motor cycle	33,936	36,969	40,804	44,222	48,655	53,410	59,637	65,827	72,067	77,603
Auto cycle	104,238	105,637	107,184	108,713	110,674	112,296	113,871	114,958	115,784	116,085
Lorry and truck	12,272	12,536	12,726	12,950	13,186	13,539	13,902	14,061	14,243	14,372
Van	24,522	24,934	25,334	25,622	25,914	26,090	26,293	26,624	26,890	27,229
Bus	2,612	2,753	2,762	2,803	2,845	2,912	2,957	2,963	3,006	2,980
Tractor and dumper	3,001	3,025	3,045	3,102	3,119	3,173	3,202	3,226	3,254	3,244
Prime mover	436	452	505	558	596	650	689	715	734	774
Trailer	1,756	1,795	1,809	1,823	1,821	1,834	1,845	1,846	1,842	1,850
Road roller	96	96	96	97	98	99	101	102	103	103
Other	321	320	323	319	324	329	336	337	336	331
<b>TOTAL</b>	<b>319,440</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>

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

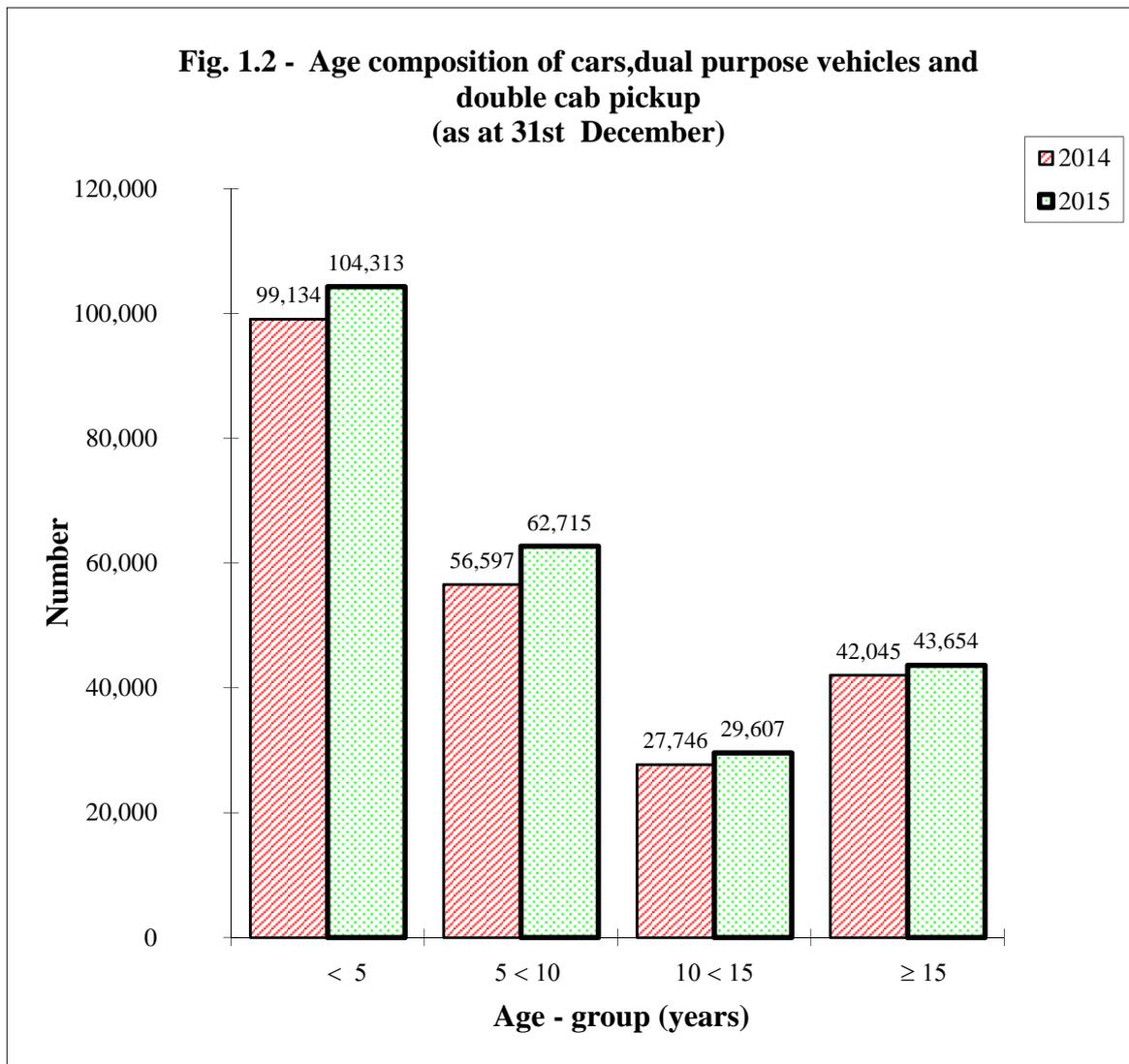
<sup>2</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

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> , 2014 - 2015**

( as at 31st December )

Age group (Years)	2014		2015	
	Number	%	Number	%
< 5	99,134	44.0	104,313	43.4
5 < 10	56,597	25.1	62,715	26.1
10 < 15	27,746	12.3	29,607	12.3
≥ 15	42,045	18.6	43,654	18.2
<b>TOTAL</b>	<b>225,522</b>	<b>100.0</b>	<b>240,289</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.

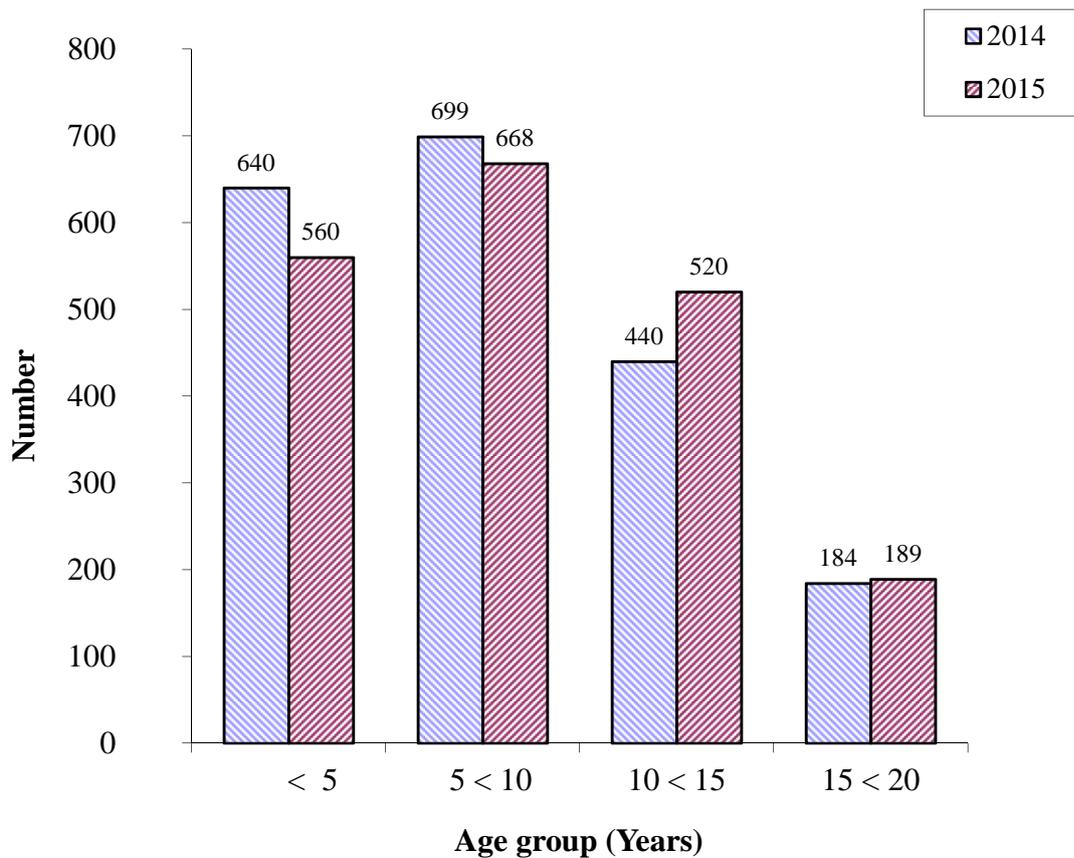
Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

**Table 1.4 - Age composition of operational bus fleet <sup>1</sup>, 2014 - 2015**

(as at 31st December)

Age group (Years)	2014		2015	
	Number	%	Number	%
< 5	640	32.6	560	28.9
5 < 10	699	35.6	668	34.5
10 < 15	440	22.4	520	26.8
15 < 20	184	9.4	189	9.8
<b>TOTAL</b>	<b>1,963</b>	<b>100.0</b>	<b>1,937</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

**Fig. 1.3 - Age composition of operational bus fleet vehicles  
(as at 31st December)**

**Table 2.1 - Road traffic accidents<sup>1</sup>, 2014 - 2015**

	2014 <sup>3</sup>	2015 <sup>4</sup>	Change	
			Number	%
<b>1. Road traffic accidents</b>	<b>26,400</b>	<b>28,476</b>	<b>2,076</b>	<b>+ 7.9</b>
Number of accidents causing casualties	2,593	2,743	150	+ 5.8
<i>Fatal accident<sup>2</sup></i>	125	127	2	+ 1.6
<i>Serious injury accident</i>	425	401	- 24	- 5.6
<i>Slight injury accident</i>	2,043	2,215	172	+ 8.4
Non injury accident	23,807	25,733	1,926	+ 8.1
Rate per 100,000 population	2,165	2,333	N.A	N.A
Rate per 1,000 registered motor vehicles	58	60	N.A	N.A
<b>2. Vehicles involved in road accidents</b>				
Number of vehicles involved of which	51,396	55,827	4,431	+ 8.6
<i>Motor Vehicles</i>	51,264	55,649	4,385	+ 8.6
Rate per 1,000 registered motor vehicles	113	117	N.A	N.A
Number of motor vehicles involved in accidents causing casualties	3,651	3,908	257	+ 7.0
<b>3. Casualties</b>	<b>3,592</b>	<b>3,809</b>	<b>217</b>	<b>+ 6.0</b>
<i>Fatal<sup>2</sup></i>	137	139	2	+ 1.5
<i>Seriously injured</i>	505	495	- 10	- 2.0
<i>Slightly injured</i>	2,950	3,175	225	+ 7.6

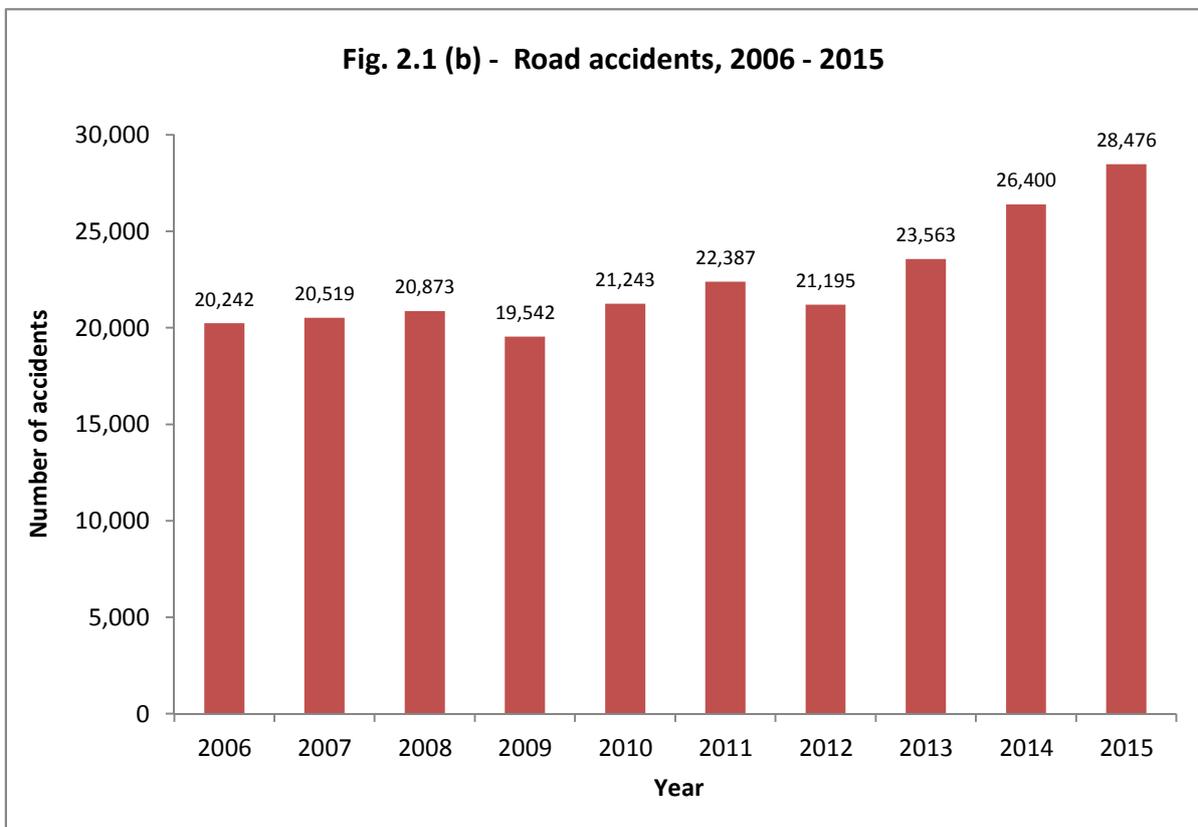
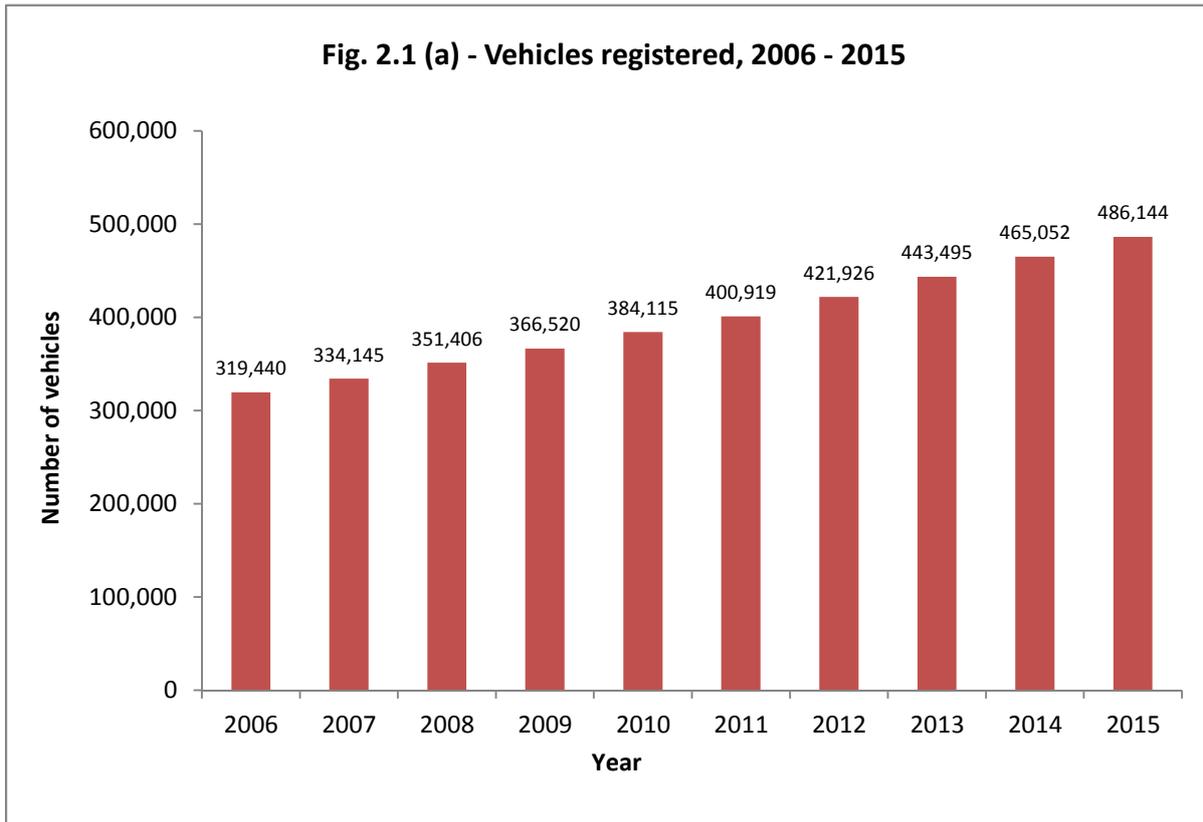
<sup>1</sup> Exclude accidents involving bicycles only or bicycle and pedestrian

<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, 2006 - 2015**

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>1. Road traffic accidents :</b>										
Number	20,242	20,519	20,873	19,542	21,243	22,387	21,056	23,563	26,400	28,476
Rate per 100,000 population	1,693	1,709	1,732	1,618	1,755	1,847	1,733	1,936	2,165	2,333
Rate per 1,000 registered motor vehicles	65	63	61	54	57	57	51	55	58 <sup>3</sup>	60
<b>2. Motor vehicle involved :</b>										
Number	40,023	41,178	42,910	38,058	41,084	41,294	40,759	41,888	51,264	55,649
Rate per 1,000 registered motor vehicles	128	126	125	106	110	105	99	97	113 <sup>3</sup>	117
<b>3. Casualties :</b>										
Total number of casualties	2,522	3,055	3,435	3,661	3,640	3,422	3,653	3,610	3,592	3,809
of which										
<i>Fatal</i> <sup>3</sup>	134	140	168	140	158	152	156	136	137	139
<i>Seriously injured</i>	348	500	512	516	569	487	549	465	505	495
<i>Slightly injured</i>	2,040	2,415	2,755	3,005	2,913	2,783	2,948	3,009	2,950	3,175
<b>4. Fatality :</b>										
Rate per 100,000 population	11.2	11.7	13.9	11.6	13.1	12.5	12.8	11.2	11.2	11.4
Rate per 1,000 registered motor vehicles	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Fatality index <sup>2</sup>	5.3	4.6	4.9	3.8	4.3	4.4	4.3	3.8	3.8	3.6

<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, 2014 - 2015**

Type of vehicle	2014					2015				
	Casualties					Casualties				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	49	185	910	1,144	30.2	52	230	996	1,278	31.4
Taxi car	2	7	44	53	1.4	3	9	40	52	1.3
Bus	18	42	192	252	6.7	25	50	204	279	6.9
Lorry	11	14	43	68	1.8	9	15	46	70	1.7
Van	7	40	140	187	4.9	4	35	187	226	5.5
Motor / auto cycle	65	285	1,282	1,632	43.1	64	334	1,225	1,623	39.8
Other motor vehicles	26	45	244	315	8.3	28	61	291	380	9.3
<b>Total motor vehicles</b>	<b>178</b>	<b>618</b>	<b>2,855</b>	<b>3,651</b>	<b>96.5</b>	<b>185</b>	<b>734</b>	<b>2,989</b>	<b>3,908</b>	<b>95.9</b>
Pedal cycle	9	15	108	132	3.5	10	15	141	166	4.1
Other non-motor vehicles	-	-	-	-	-	-	-	-	-	-
<b>All vehicles</b>	<b>187</b>	<b>633</b>	<b>2,963</b>	<b>3,783</b>	<b>100.0</b>	<b>195</b>	<b>749</b>	<b>3,130</b>	<b>4,074</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, 2014- 2015**

Class of road users	2014				2015			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Pedestrian	304	303	607	16.9	312	286	598	15.7
Passenger	447	411	858	23.9	456	487	943	24.7
Driver	246	254	500	13.9	253	309	562	14.8
Rider (auto/motor cycle)	770	728	1,498	41.7	752	784	1,536	40.3
Pedal cyclist	81	48	129	3.6	83	87	170	4.5
<b>Total</b>	<b>1,848</b>	<b>1,744</b>	<b>3,592</b>	<b>100.0</b>	<b>1,856</b>	<b>1,953</b>	<b>3,809</b>	<b>100.0</b>

<sup>1</sup> Revised**Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2014- 2015.**

Year Accident	2014				2015			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Vehicles v/s pedestrian	35	36	71	43.6	47	29	76	44.4
Vehicles v/s vehicles	53	39	92	56.4	55	40	95	55.6
<b>Total</b>	<b>88</b>	<b>75</b>	<b>163</b>	<b>100.0</b>	<b>102</b>	<b>69</b>	<b>171</b>	<b>100.0</b>

**Table 2.6 - Number of fatalities by category of road users and age-group, 2015**

<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>	-	-	-	-	-	-
<b>5 - 14</b>	-	-	-	-	-	-
<b>15 - 29</b>	2	8	9	3	28	<b>50</b>
<b>30 - 44</b>	2	2	5	6	15	<b>30</b>
<b>45 - 59</b>	3	5	2	18	6	<b>34</b>
<b>60 - 69</b>	1	-	-	10	5	<b>16</b>
<b>Over 69</b>	-	-	2	7	-	<b>9</b>
<b>All ages</b>	<b>8</b>	<b>15</b>	<b>18</b>	<b>44</b>	<b>54</b>	<b>139</b>