

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

**Year 2014**

## **1. Vehicles registered in 2014**

At the end of December 2014, there were 465,052 vehicles registered at the National Transport Authority (NTA). This represents a net increase of 21,557 vehicles (4.9%) as compared to end of year 2013 when the number of registered vehicles was 443,495 (Table 1.1).

During the year 2014, the fleet was strengthened with the registration of 26,400 vehicles, of which 18,170 (68.8%) were new, 7,386 (28.0%) were imported second-hand and 844 (3.2%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period 4,843 vehicles were put off the road. The net addition to the existing fleet worked out to 21,557 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 2014, the fleet consisted of 48.5% (225,522) cars, double cab pickup and dual purpose vehicles and 40.4% (187,851) auto/motor cycles. The remaining 11.1% comprised vans (26,890), lorries and trucks (14,243), buses (3,006) and other vehicles (7,540). 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 2014, the number of cars, double cab pickup and dual purpose vehicles was 225,522, a rise of 6.6% over the figure of 211,586 as at end of December 2013. This increase resulted from the registration of 15,654 such vehicles (8,342 new, 6,914 imported second-hand and 398 re-registered), partly offset by 1,718 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 2014, some 44.0% were less than 5 years, 25.1% between 5 and 9 years and the remaining 30.9%, 10 years and above.

### ***3.2 Buses***

At the end of December 2014, there were 3,006 registered buses, out of which 1,963 or 65.3% were 'public' buses operating with a road service licence. During 2014, some 163 new buses were registered while 120 buses were put off the road resulting in a net increase of 43 buses.

Table 1.4, which gives the age distribution of the fleet of public buses, shows that 32.6% of the buses were under 5 years, 35.6% between 5 and 9 years and 31.8%, between 10 and 20 years.

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

At the end of 2014, there were 187,851 motor cycles and auto cycles. This represents a net increase of 7,066 (+3.9%) against 180,785 at the end of 2013 (Table 1.1).

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

The number of road traffic accidents registered during the year 2014 was 26,400 against 23,563 in the preceding year, showing an increase of 12.0%. Among these accidents, the majority, 23,807 (90.2%) were non-injury, 125 fatal, 425 caused serious injuries and 2,043 slight injuries.

Compared to 2013, accidents causing casualties went up by 0.6% and non-injury accidents by 13.4%. Fatal accidents rose by 5.0%, serious injury accidents by 9.3% while slight injury accidents decreased by 1.3%.

The accident rate, expressed as the number of accidents per 100,000 mid-year population, increased from 1,936 in 2013 to 2,165 in 2014 and the number of accidents per 1,000 mid-year registered motor vehicles increased from 55 in 2013 to 57 in 2014 (Table 2.1).

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

During the year 2014, the total number of vehicles (both motor and non-motor) involved in road accidents was 51,396 against 42,089 in the previous year. The number of motor vehicles involved in accidents resulting in casualties was 3,651 in 2014 against 3,866 in 2013. Table 2.3 shows that 30.2% of the vehicles were private cars, 43.1% were motor/auto cycles, 6.7% were buses and 4.9% were vans.

#### **7. Casualties**

The number of casualties (fatalities and persons injured as a result of road traffic accidents) decreased by 0.5% from 3,610 in 2013 to 3,592 in 2014. Among the casualties, 137 were fatal, 505 seriously injured and the remaining 2,950 slightly injured.

Table 2.4 reveals that, among the casualties in 2014, some 23.9% were passengers, 41.7% riders of auto/motor cycles, 16.9% pedestrians, 13.9% drivers and 3.6% pedal cyclists.

Compared to 2013, the number of persons who died as a result of road accidents in 2014 went up by 0.7%. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, was 11.2, same as in 2013. Out of the 137 persons killed in road accidents during year 2014, the most vulnerable category of road users were by riders/pillion riders of motorised two-wheelers (56), followed by pedestrians (36), (Table 2.6).

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

In 2014, there were 163 "hit and run" cases causing casualties compared to 192 in 2013. Out of these 163 cases, 56.4% (92) involved vehicles only while the other 43.6% (71) 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.

### *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, crushings 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 2014**

Type of vehicle	No. of vehicles at 31.12.13	New vehicles	Imported second-hand vehicles	Re - registered vehicles <sup>2</sup>	Vehicles off the road <sup>3</sup>	No. of vehicles at 31.12.14	Net addition 2014
Car	160,701	7,181	6,886	324	1,138	173,954	13,253
Dual purpose vehicle	49,730	-	14	16	257	49,503	- 227
Double cab pickup <sup>4</sup>	1,155	1,161	14	58	323	2,065	910
Motor cycle	65,827	6,608	59	305	732	72,067	6,240
Auto cycle	114,958	2,194	1	5	1,374	115,784	826
Lorry and truck	14,061	264	64	44	190	14,243	182
Van	26,624	454	287	60	535	26,890	266
Bus	2,963	163	-	-	120	3,006	43
Other	7,476	145	61	32	174	7,540	64
<b>Total</b>	<b>443,495</b>	<b>18,170</b>	<b>7,386</b>	<b>844</b>	<b>4,843</b>	<b>465,052</b>	<b>21,557</b>

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

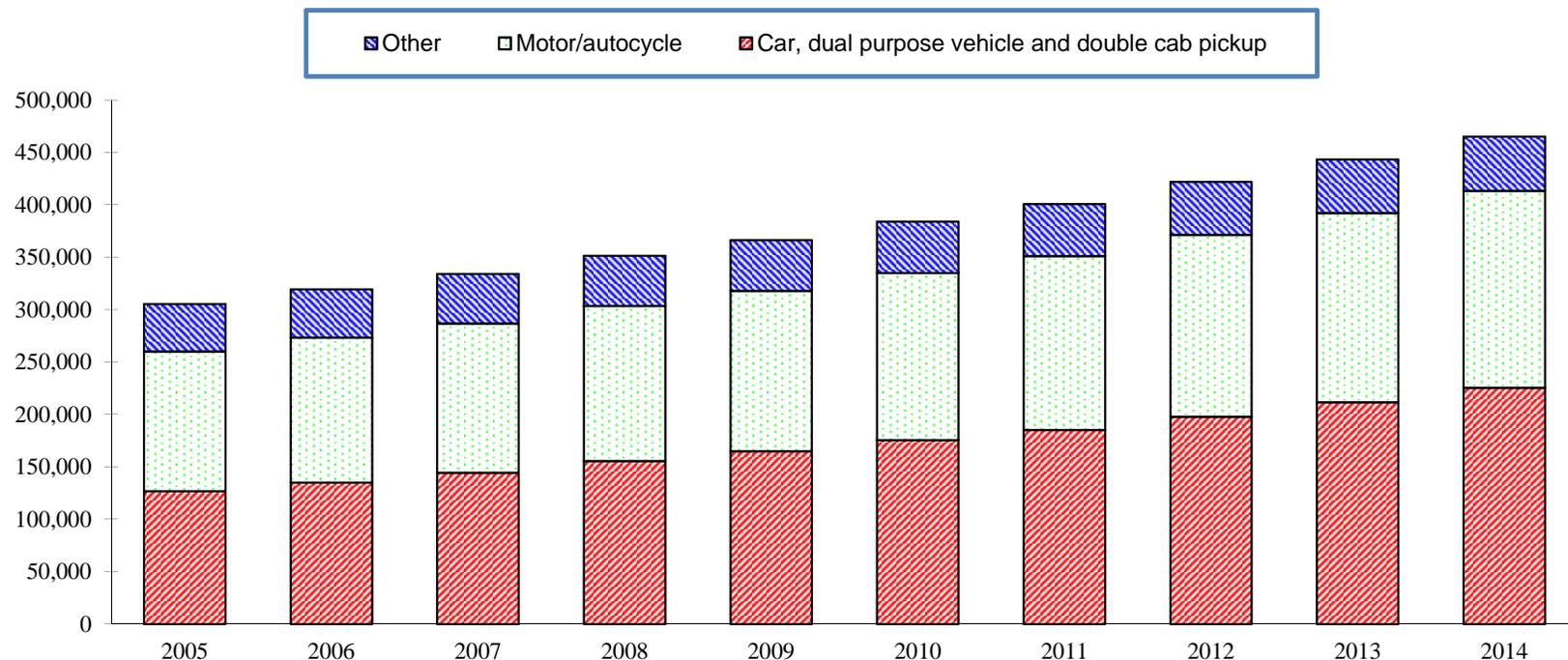
<sup>2</sup> Refers to re-registration of vehicles previously off the road.

<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, 2005 - 2014**



Type of vehicle	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Car, dual purpose vehicle and double cab pickup <sup>1</sup>	126,844	135,132	144,405	155,528	165,036	175,634	185,357	197,849	211,586	225,522
Motor cycle and autocycle	133,430	138,174	142,606	147,988	152,935	159,329	165,706	173,508	180,785	187,851
Other	45,222	46,134	47,134	47,890	48,549	49,152	49,856	50,569	51,124	51,679
<b>Total</b>	<b>305,496</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>

<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 , 2005 - 2014**

Type of vehicle	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Car	84,818	91,911	99,770	109,507	117,890	127,363	136,225	147,733	160,701	173,954
<i>(of which taxi car)</i>	<i>(6,798)</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>
Dual purpose vehicle	42,026	43,221	44,635	46,021	47,146	48,271	49,132	50,116	49,730	49,503
Double cab pickup <sup>2</sup>	-	-	-	-	-	-	-	-	1,155	2,065
Heavy motor car	1,045	1,118	1,223	1,290	1,275	1,249	1,230	1,244	1,250	1,271
Motor cycle	30,927	33,936	36,969	40,804	44,222	48,655	53,410	59,637	65,827	72,067
Auto cycle	102,503	104,238	105,637	107,184	108,713	110,674	112,296	113,871	114,958	115,784
Lorry and truck	12,047	12,272	12,536	12,726	12,950	13,186	13,539	13,902	14,061	14,243
Van	23,989	24,522	24,934	25,334	25,622	25,914	26,090	26,293	26,624	26,890
Bus	2,560	2,612	2,753	2,762	2,803	2,845	2,912	2,957	2,963	3,006
Tractor and dumper	2,982	3,001	3,025	3,045	3,102	3,119	3,173	3,202	3,226	3,254
Prime mover	412	436	452	505	558	596	650	689	715	734
Trailer	1,765	1,756	1,795	1,809	1,823	1,821	1,834	1,845	1,846	1,842
Road roller	96	96	96	96	97	98	99	101	102	103
Other	326	321	320	323	319	324	329	336	337	336
<b>TOTAL</b>	<b>305,496</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>

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

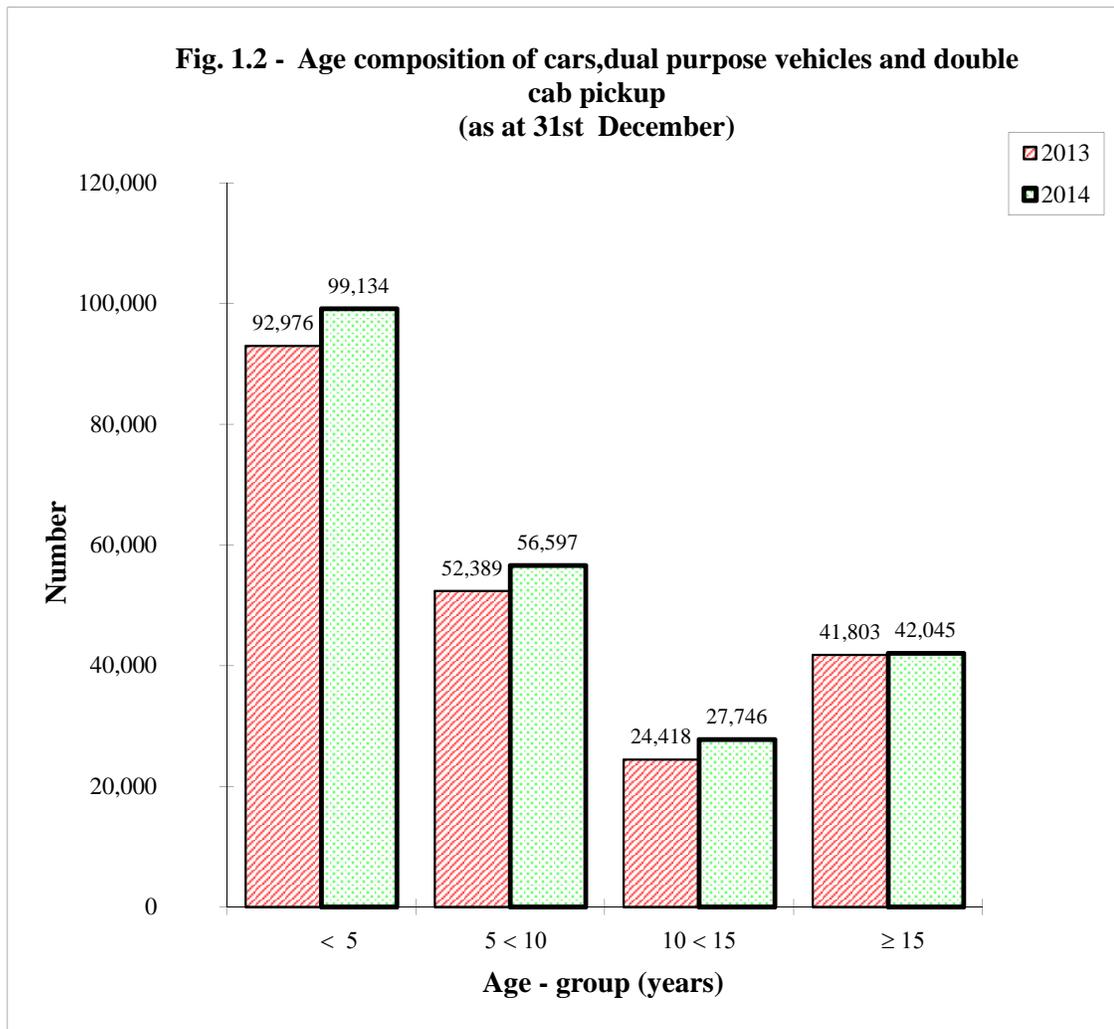
<sup>2</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

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>, 2013 - 2014**

( as at 31st December )

Age group (Years)	2013		2014	
	Number	%	Number	%
< 5	92,976	43.9	99,134	44.0
5 < 10	52,389	24.8	56,597	25.1
10 < 15	24,418	11.5	27,746	12.3
≥ 15	41,803	19.8	42,045	18.6
<b>TOTAL</b>	<b>211,586</b>	<b>100.0</b>	<b>225,522</b>	<b>100.0</b>



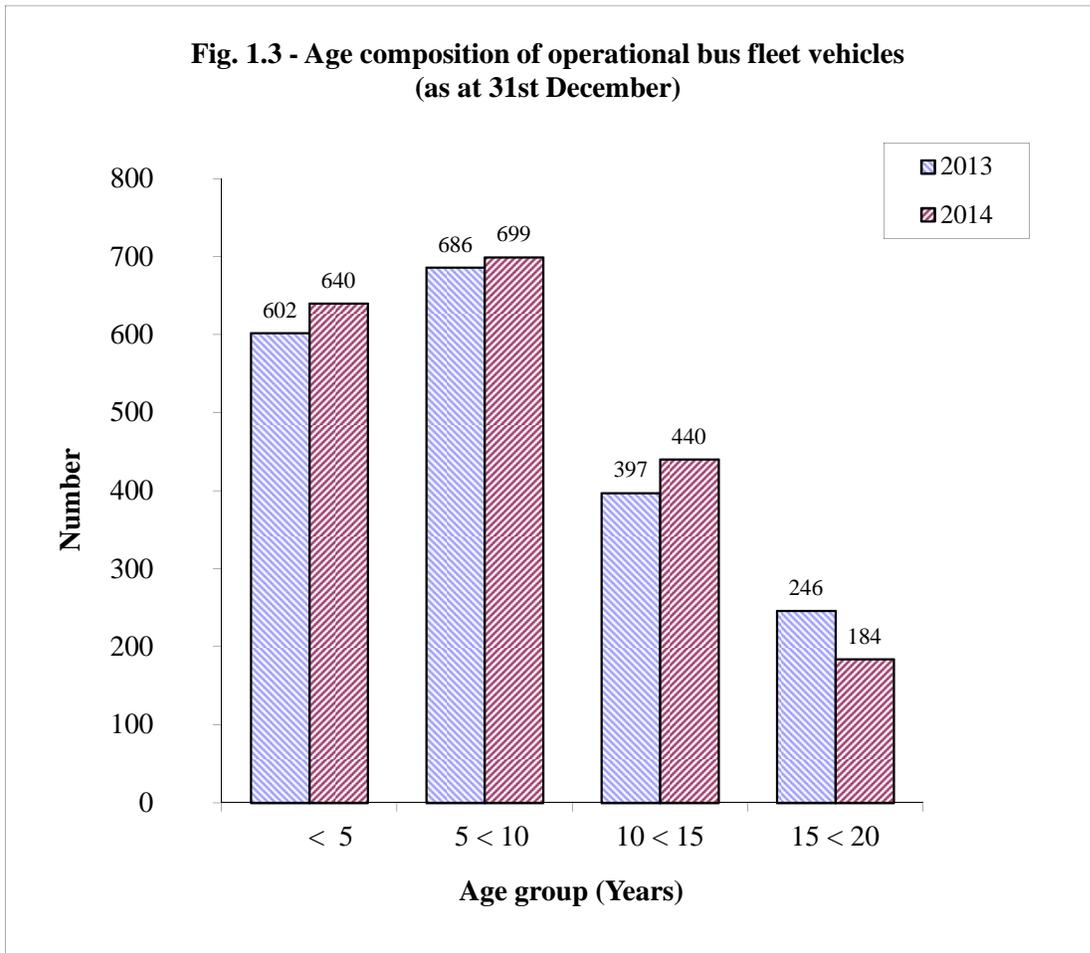
<sup>1</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.  
 Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

**Table 1.4 - Age composition of operational bus fleet <sup>1</sup>, 2013 - 2014**

(as at 31st December)

Age group (Years)	2013		2014	
	Number	%	Number	%
< 5	602	31.2	640	32.6
5 < 10	686	35.5	699	35.6
10 < 15	397	20.6	440	22.4
15 < 20	246	12.7	184	9.4
<b>TOTAL</b>	<b>1,931</b>	<b>100.0</b>	<b>1,963</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

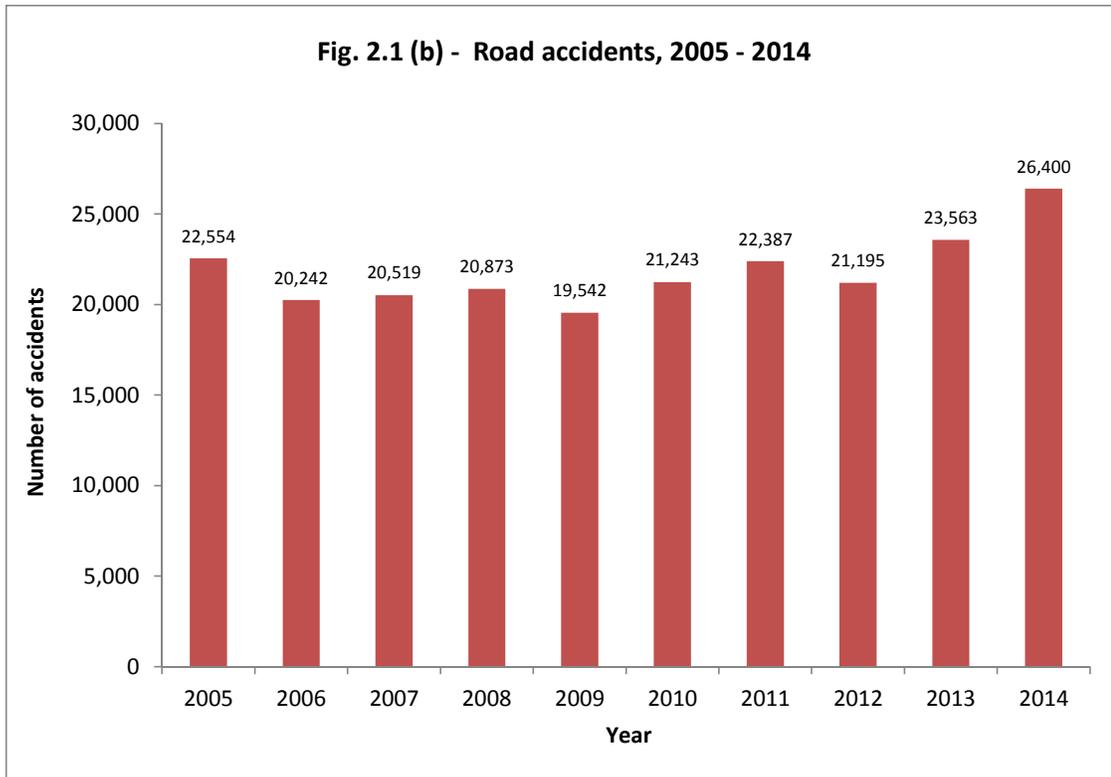
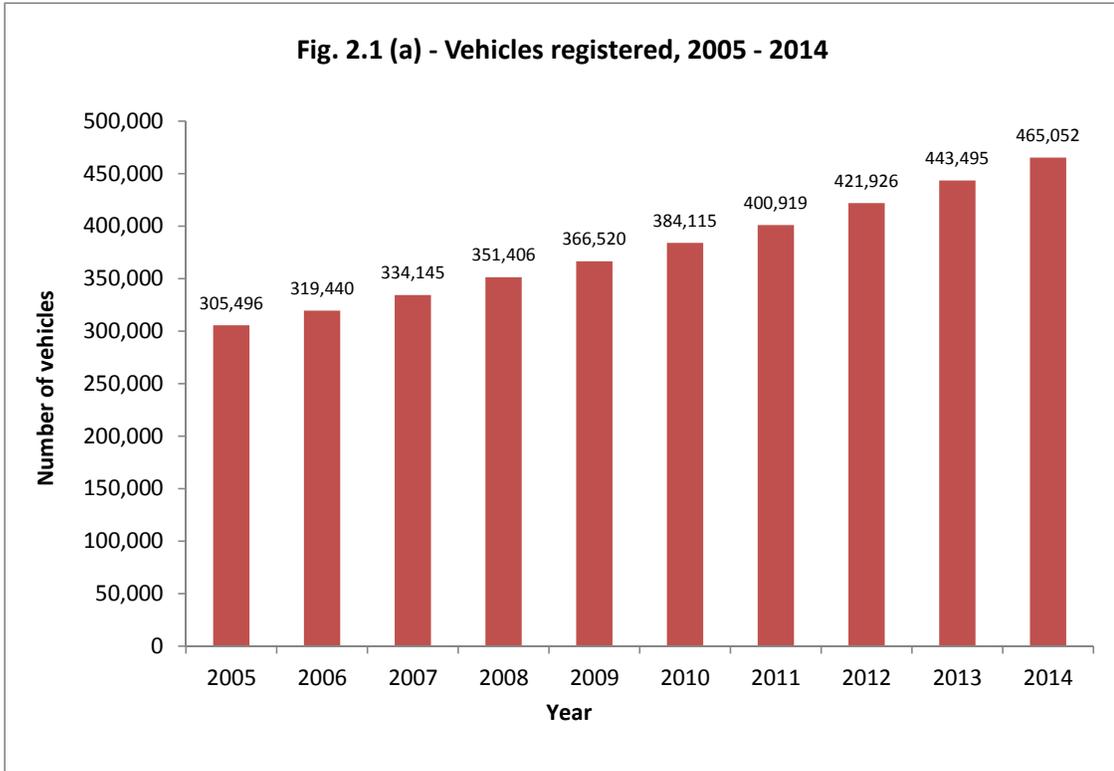
**Fig. 1.3 - Age composition of operational bus fleet vehicles  
(as at 31st December)**

**Table 2.1 - Road traffic accidents<sup>1</sup>, 2013 - 2014**

	2013 <sup>3</sup>	2014 <sup>4</sup>	Change	
			Number	%
<b>1. Road traffic accidents</b>	<b>23,563</b>	<b>26,400</b>	<b>2,837</b>	<b>+ 12.0</b>
Number of accidents causing casualties	2,578	2,593	15	+ 0.6
<i>Fatal accident</i> <sup>2</sup>	119	125	6	+ 5.0
<i>Serious injury accident</i>	389	425	36	+ 9.3
<i>Slight injury accident</i>	2,070	2,043	-27	-1.3
Non injury accident	20,985	23,807	2,822	+ 13.4
Rate per 100,000 population	1,936	2,165	N.A	N.A
Rate per 1,000 registered motor vehicles	55	57	N.A	N.A
<b>2. Vehicles involved in road accidents</b>				
Number of vehicles involved of which	42,089	51,396	9,307	+ 22.1
<i>Motor Vehicles</i>	41,888	51,264	9,376	+ 22.4
Rate per 1,000 registered motor vehicles	97	110	N.A	N.A
Number of motor vehicles involved in accident causing casualties	3,866	3,651	-215	-5.6
<b>3. Casualties</b>	<b>3,610</b>	<b>3,592</b>	<b>-18</b>	<b>-0.5</b>
<i>Fatal</i> <sup>2</sup>	136	137	1	+ 0.7
<i>Seriously injured</i>	465	505	40	+ 8.6
<i>Slightly injured</i>	3,009	2,950	-59	-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.<sup>3</sup> Revised<sup>4</sup> Provisional

N.A : Not applicable



**Table 2.2 - Road traffic accidents<sup>1</sup> and casualties, 2005 - 2014**

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>1. Road traffic accidents :</b>										
Number	22,554	20,242	20,519	20,873	19,542	21,243	22,387	21,056	23,563	26,400
Rate per 100,000 population	1,895	1,693	1,709	1,732	1,618	1,755	1,847	1,733	1,936	2,165
Rate per 1,000 registered motor vehicles	76	65	63	61	54	57	57	51	55	57
<b>2. Motor vehicle involved :</b>										
Number	43,741	40,023	41,178	42,910	38,058	41,084	41,294	40,759	41,888	51,264
Rate per 1,000 registered motor vehicles	147 <sup>2</sup>	128 <sup>2</sup>	126 <sup>2</sup>	125	106	110	105	99	97	110
<b>3. Casualties :</b>										
Total number of casualties of which	2,760	2,522	3,055	3,435	3,661	3,640	3,422	3,653	3,610	3,592
<i>Fatal</i> <sup>3</sup>	136	134	140	168	140	158	152	156	136	137
<i>Seriously injured</i>	358	348	500	512	516	569	487	549	465	505
<i>Slightly injured</i>	2,266	2,040	2,415	2,755	3,005	2,913	2,783	2,948	3,009	2,950
<b>4. Fatality :</b>										
Rate per 100,000 population	11.4	11.2	11.7	13.9	11.6	13.1	12.5	12.8	11.2	11.2
Rate per 1,000 registered motor vehicles	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.3
Fatality index <sup>4</sup>	4.9	5.3	4.6	4.9	3.8	4.3	4.4	4.3	3.8	3.8

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

<sup>2</sup> Revised

<sup>3</sup> As from 2002, figures are based on definition of fatal accidents where deaths occurred within 30 days as a result of road accidents.

<sup>4</sup> Fatality index is the number of fatalities per 100 casualties.

Note: Indicators based on population figures have been revised in light of results obtained from the Population Census conducted in 2011.

**Table 2.3 -Number of vehicles<sup>1</sup> involved in accidents (causing casualties) by type, 2013 - 2014**

Type of vehicle	2013					2014				
	Casualties					Casualties				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	40	168	1,008	1,216	29.9	49	185	910	1,144	30.2
Taxi car	1	10	52	63	1.5	2	7	44	53	1.4
Bus	12	36	183	231	5.7	18	42	192	252	6.7
Lorry	6	14	58	78	2.1	11	14	43	68	1.8
Van	8	32	170	210	5.2	7	40	140	187	4.9
Motor / auto cycle	53	297	1,319	1,669	41.0	65	285	1,282	1,632	43.1
Other motor vehicles	23	63	313	399	0.8	26	45	244	315	8.3
<b>Total motor vehicles</b>	<b>143</b>	<b>620</b>	<b>3,103</b>	<b>3,866</b>	<b>86.3</b>	<b>178</b>	<b>618</b>	<b>2,855</b>	<b>3,651</b>	<b>96.5</b>
Pedal cycle	13	31	157	201	4.9	9	15	108	132	3.5
Other non-motor vehicles	-	-	-	-	-	-	-	-	-	-
<b>All vehicles</b>	<b>156</b>	<b>651</b>	<b>3,260</b>	<b>4,067</b>	<b>91.2</b>	<b>187</b>	<b>633</b>	<b>2,963</b>	<b>3,783</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, 2013- 2014**

Class of road users	2013 <sup>1</sup>				2014			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Pedestrian	301	316	617	17.1	304	303	607	16.9
Passenger	396	431	827	22.9	447	411	858	23.9
Driver	258	241	499	13.8	246	254	500	13.9
Rider (auto/motor cycle)	709	768	1,477	40.9	770	728	1,498	41.7
Pedal cyclist	83	107	190	5.3	81	48	129	3.6
<b>Total</b>	<b>1,747</b>	<b>1,863</b>	<b>3,610</b>	<b>100.0</b>	<b>1,848</b>	<b>1,744</b>	<b>3,592</b>	<b>100.0</b>

<sup>1</sup> Revised**Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2013- 2014.**

Year Accident	2013 <sup>1</sup>				2014			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Vehicles v/s pedestrian	38	45	83	43.2	35	36	71	43.6
Vehicles v/s vehicles	52	57	109	56.8	53	39	92	56.4
<b>Total</b>	<b>90</b>	<b>102</b>	<b>192</b>	<b>100.0</b>	<b>88</b>	<b>75</b>	<b>163</b>	<b>100.0</b>

<sup>1</sup> Revised

**Table 2.6 - Number of fatalities by category of road users and age-group, 2014**

<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>	1	-	2	-	-	<b>3</b>
<b>15 - 29</b>	1	2	4	3	26	<b>36</b>
<b>30 - 44</b>	2	8	5	3	13	<b>31</b>
<b>45 - 59</b>	3	4	3	9	9	<b>28</b>
<b>60 - 69</b>	2	3	3	9	8	<b>25</b>
<b>Over 69</b>	-	-	2	12	-	<b>14</b>
<b>All ages</b>	<b>9</b>	<b>17</b>	<b>19</b>	<b>36</b>	<b>56</b>	<b>137</b>