

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

Year 2011

1. Vehicles registered in 2011

At the end of December 2011 there were 400,919 vehicles registered at the National Transport Authority (NTA). This represents a net increase of 16,804 vehicles (4.4%) as compared to end of year 2010 when the number of registered vehicles was 384,115 (Table 1.1).

During the year 2011, the fleet was strengthened with the registration of 21,498 vehicles, of which 16,057 (74.7%) were new, 4,406 (20.5%) were imported second-hand and 1,035 (4.8%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period 4,694 vehicles were put off the road. The net addition to the existing fleet worked out to 16,804 vehicles (Table 1.1).

2. Composition of the fleet

A breakdown of the fleet by type of vehicle is given in Table 1.2. At the end of December 2011, the fleet consisted of 46.2% (185,357) cars and dual purpose vehicles and 41.4% (165,706) auto/motor cycles. The remaining 12.4% comprised vans (26,090), lorries and trucks (13,539), buses (2,912) and other vehicles (7,315).

3. Vehicles used for the transport of passengers

3.1 *Cars and dual purpose vehicles*

At the end of 2011, the number of cars and dual purpose vehicles was 185,357, a rise of 5.5% over the figure of 175,634 in 2010. This increase resulted from the registration of 11,406 such vehicles (7,184 new, 3,701 imported second-hand and 521 re-registered), partly offset by 1,683 vehicles that were put off the road.

Table 1.3 shows the age distribution of cars and dual purpose vehicles. At the end of December 2011, 43.1% were less than 5 years, 23.8% between 5 and 9 years and the remaining 33.1%, 10 years and above.

3.2 *Buses*

At the end of December 2011, there were 2,912 registered buses, out of which 1,863 or 64.0% were 'public' buses operating with a road service licence. During 2011, 148 buses were registered of which 147 were new while 81 buses were put off the road resulting in a net increase of 67 buses.

Table 1.4 which gives the age distribution of the fleet of public buses shows that 34.2% of the buses were under 5 years, 31.7% between 5 and 9 years and 34.1%, between 10 and 18 years.

4. Motor cycles and auto cycles

At the end of 2011, there were 165,706 motor cycles and auto cycles. This represents a net increase of 6,377 (+4.0%) against 159,329 at the end of 2010.

5. Road traffic accidents

The number of road accidents registered during the year 2011 increased by 6.1% to reach 22,536 as compared to 21,243 recorded in the preceding year. Among these accidents the majority, 19,983 (88.7%) were non-injury, 132 fatal, 443 caused serious injuries and 1,978 slight injuries.

Compared to 2010, accidents causing casualties went up by 0.2% and non-injury accidents by 6.9%. Fatal accidents went down by 12.6% and serious injury accidents by 9.0 % while slight injury accidents increased by 3.5%.

The accident rate expressed as the number of accidents per 100,000 mid-year population increased from 1,709 in 2010 to 1,806 in 2011 and the number of accidents per 1,000 mid-year registered motor vehicles increased from 57 in 2010 to 58 in 2011 (Table 2.1).

6. Vehicles involved in road accidents

During the year 2011, the total number of vehicles (both motor and non-motor) involved in road accidents was 41,486 against 41,263 in the previous year. The number of motor vehicles involved in accidents resulting in casualties was 3,936 in 2011 against 3,858 in 2010. Table 2.3 shows that 33.6% of these vehicles were private cars, another 34.9% were motor/auto cycles and 12.5% were vans.

7. Casualties

The number of casualties (fatalities and persons injured as a result of road accidents) went down by 2.7% from 3,640 in 2010 to 3,541 in 2011. Among the casualties, 152 were fatal, 549 were seriously injured and the remaining 2,840 were slightly injured.

Compared to 2010, the number of persons who died as a result of road accidents went down by 3.8%. The fatality rate expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, dropped from 12.7% in 2010 to 12.2% in 2011.

Table 2.4 reveals that, among the casualties in 2011, 27.8% were passengers, 36.8% riders of auto/motor cycles, 16.4% pedestrians, 15.4% drivers and 3.6% pedal cyclists.

8. Hit and run cases of accidents causing casualties

In 2011, there were 132 "hit and run" cases causing casualties compared to 162 in 2010. Out of these 132 cases, 40.2% (53) involved vehicles only while the other 59.8% (79) 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.

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.

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 (7 days prior to 2002) as a result of an accident is referred to as a fatality.

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.

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

Table 1.1 - Vehicles¹ registered in 2011

Type of vehicle	No. of vehicles at 31.12.10	New vehicles	Used imported vehicles	Re - registered vehicles ²	Vehicles off the road ³	No. of vehicles at 31.12.11	Net addition
Car	127,363	5,970	3,615	364	1,087	136,225	8,862
Dual purpose vehicle	48,271	1,214	86	157	596	49,132	861
Motor cycle	48,655	5,020	72	338	675	53,410	4,755
Auto cycle	110,674	2,944	6	1	1,329	112,296	1,622
Lorry and truck	13,186	245	291	64	247	13,539	353
Van	25,914	354	209	73	460	26,090	176
Bus	2,845	147	-	1	81	2,912	67
Other	7,207	163	127	37	219	7,315	108
Total	384,115	16,057	4,406	1,035	4,694	400,919	16,804

¹ excluding pedal cycles, but including government vehicles

² refers to re-registration of vehicles previously off the road

³ unlicensed either temporarily or permanently

Fig. 1.1 - Stock of registered vehicles, 2002 - 2011

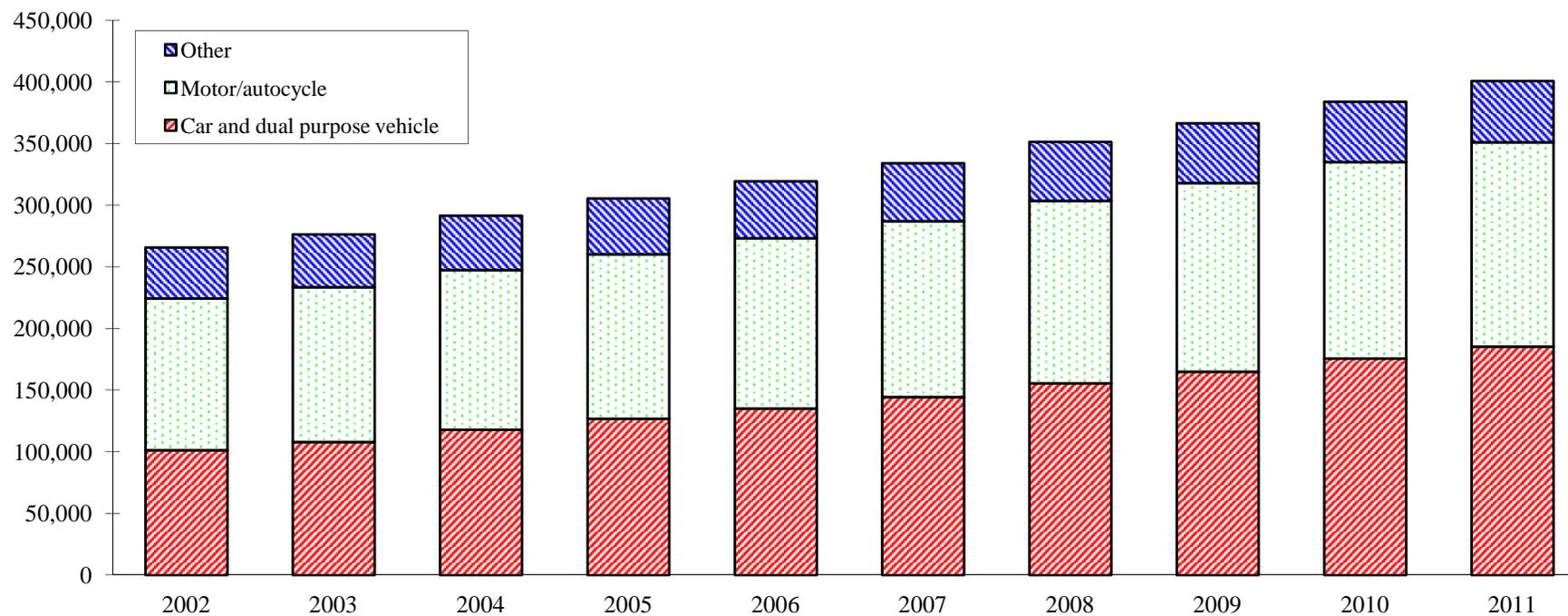


Table 1.2 - Vehicles¹ registered , 2002 - 2011

Type of vehicle	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Car	63,307	68,524	77,342	84,818	91,911	99,770	109,507	117,890	127,363	136,225
<i>(of which taxi car)</i>	<i>(5,801)</i>	<i>(5,979)</i>	<i>(6,482)</i>	<i>(6,798)</i>	<i>(6,860)</i>	<i>(6,885)</i>	<i>(6,941)</i>	<i>(6,941)</i>	<i>(6,924)</i>	<i>(6,907)</i>
Dual purpose vehicle	38,129	39,383	40,667	42,026	43,221	44,635	46,021	47,146	48,271	49,132
Heavy motor car	944	958	1,020	1,045	1,118	1,223	1,290	1,275	1,249	1,230
Motor cycle	25,723	26,744	28,646	30,927	33,936	36,969	40,804	44,222	48,655	53,410
Auto cycle	97,078	98,858	100,854	102,503	104,238	105,637	107,184	108,713	110,674	112,296
Lorry and truck	11,236	11,501	11,774	12,047	12,272	12,536	12,726	12,950	13,186	13,539
Van	21,750	22,496	23,326	23,989	24,522	24,934	25,334	25,622	25,914	26,090
Bus	2,450	2,460	2,457	2,560	2,612	2,753	2,762	2,803	2,845	2,912
Tractor and dumper	2,683	2,877	2,935	2,982	3,001	3,025	3,045	3,102	3,119	3,173
Prime mover	349	369	388	412	436	452	505	558	596	650
Trailer	1,770	1,772	1,771	1,765	1,756	1,795	1,809	1,823	1,821	1,834
Road roller	101	100	99	96	96	96	96	97	98	99
Other	321	329	326	326	321	320	323	319	324	329
TOTAL	265,841	276,371	291,605	305,496	319,440	334,145	351,406	366,520	384,115	400,919

¹ Excluding pedal cycles, but including government vehicles

Table 1.3 - Age composition of cars and dual purpose vehicles, 2010 - 2011

(as at 31st December)

Age group (Years)	2010		2011	
	Number	%	Number	%
< 5	74,350	42.3	79,905	43.1
5 < 10	41,547	23.7	44,102	23.8
10 < 15	17,893	10.2	18,461	10.0
≥ 15	41,844	23.8	42,889	23.1
TOTAL	175,634	100.0	185,357	100.0

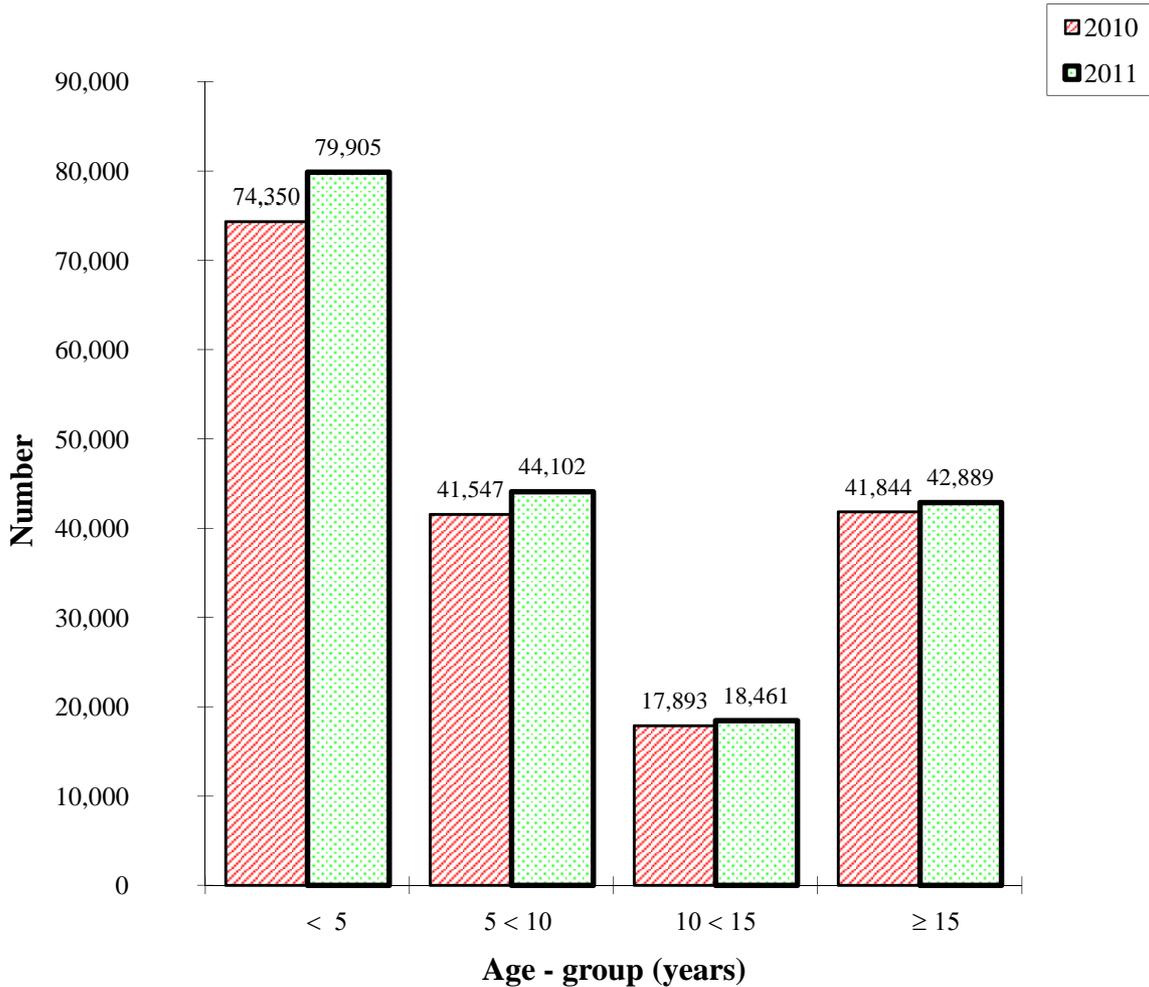
**Fig. 1.2 - Age composition of cars and dual purpose vehicles
(as at 31st December)**

Table 1.4 - Age composition of operational bus fleet ¹, 2010 - 2011

(as at 31st December)

Age group (Years)	2010		2011	
	Number	%	Number	%
< 5	510	27.7	637	34.2
5 < 10	604	32.8	591	31.7
10 < 15	356	19.3	360	19.3
15 < 18	373	20.2	275	14.8
TOTAL	1,843	100.0	1,863	100.0

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

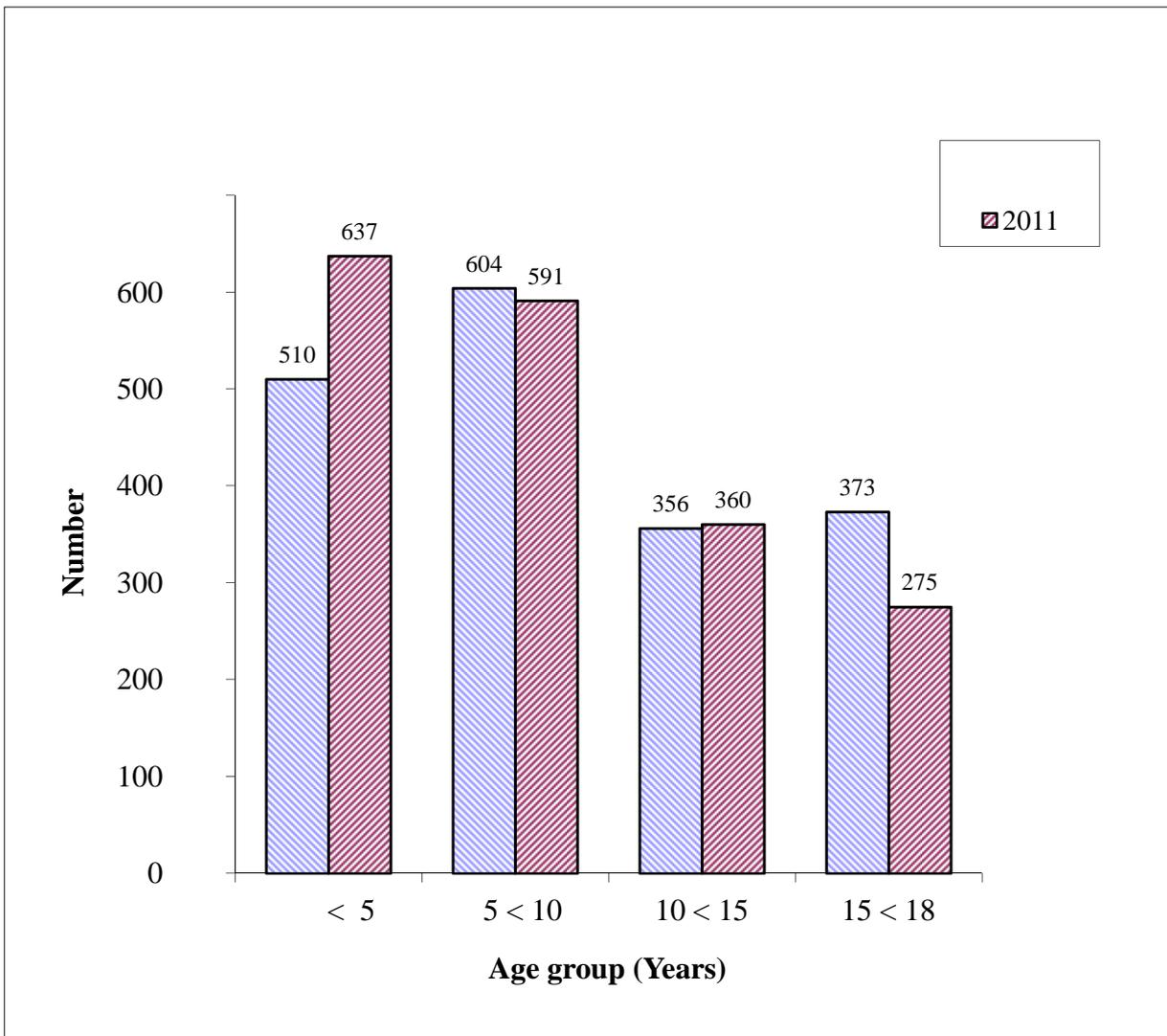
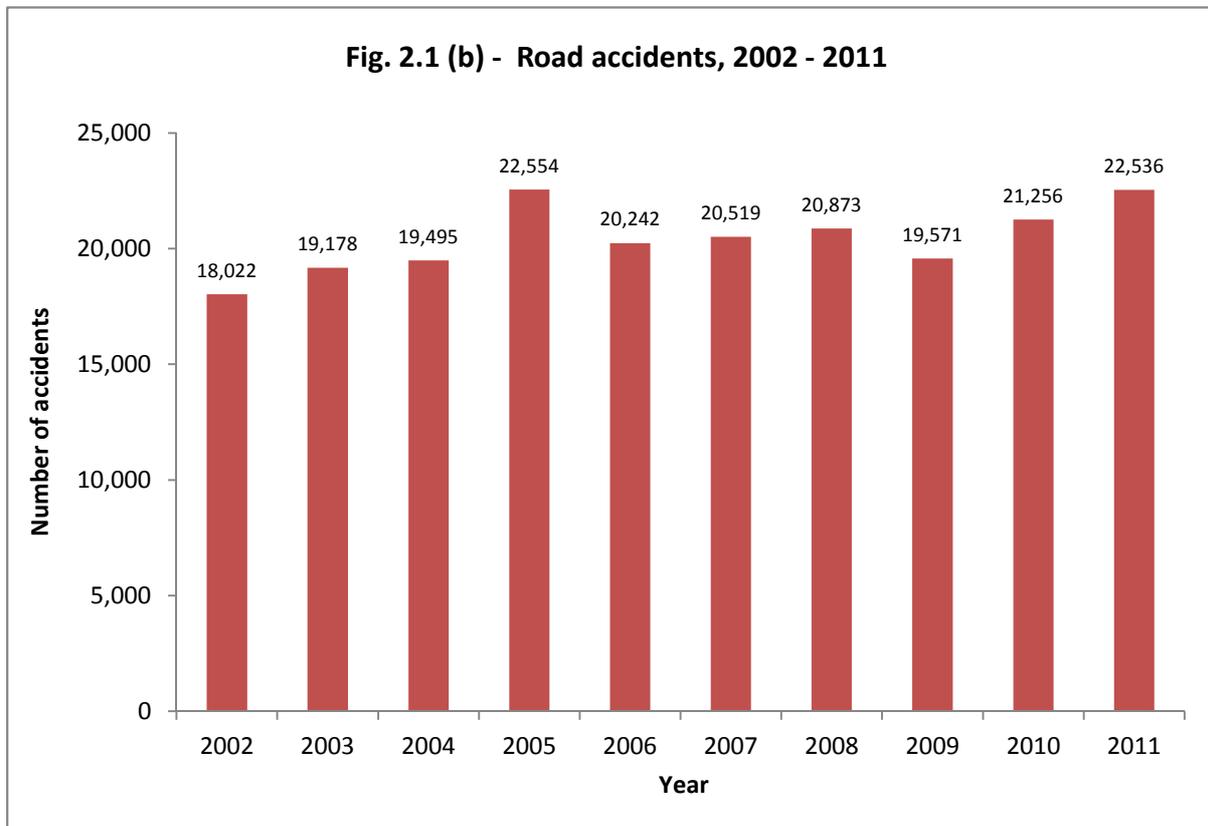
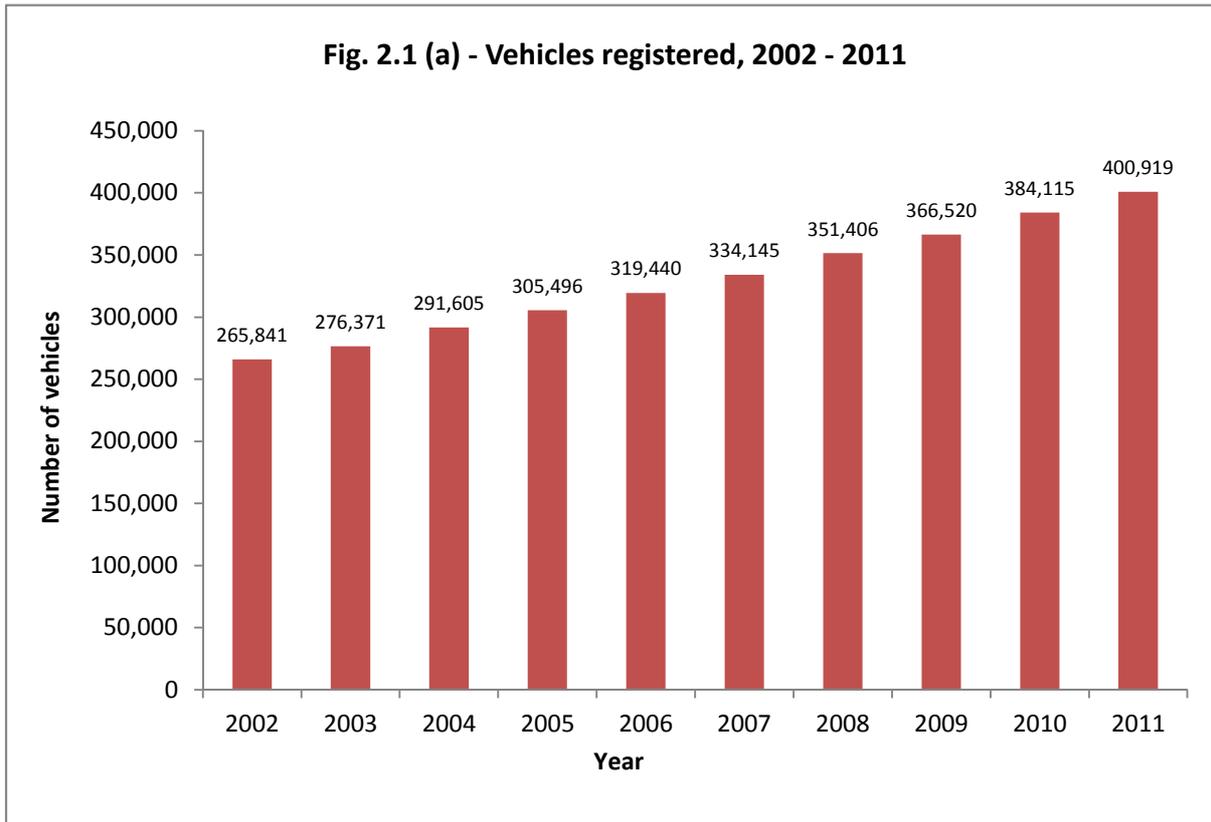


Table 2.1 - Road traffic accidents¹, 2010 - 2011

	2010 ³	2011	Change	
			Number	%
1. Road traffic accidents	21,243	22,536	1,293	+ 6.1
Number of accidents causing casualties	2,549	2,553	+ 4	+ 0.2
<i>Fatal accident</i> ²	151	132	- 19	- 12.6
<i>Serious injury accident</i>	487	443	- 44	- 9.0
<i>Slight injury accident</i>	1,911	1,978	67	+ 3.5
Non injury accident	18,694	19,983	1,289	+ 6.9
Rate per 100,000 population	1,709	1,806	N.A	N.A
Rate per 1,000 registered motor vehicles	57	58	N.A	N.A
2. Vehicles involved in road accidents				
Number of vehicles involved of which	41,263	41,486	223	+ 0.5
<i>Motor Vehicles</i>	41,084	41,294	210	+ 0.5
Rate per 1,000 registered motor vehicles	110	106	N.A	N.A
Number of m-vehicles involved in accidents causing casualties	3,858	3,936	+78	+ 2.0
3. Casualties	3,640	3,541	-99	-2.7
<i>Fatal</i> ²	158	152	- 6	- 3.8
<i>Seriously injured</i>	569	549	- 20	- 3.5
<i>Slightly injured</i>	2,913	2,840	- 73	- 2.5

¹ Exclude accidents involving bicycles only or bicycle and pedestrian² Based on definition of fatal accidents where death occurred within 30 days.³ Revised

N.A : Not applicable





Vehicles		accidents	
2002	265,841	2002	18,022
2003	276,371	2003	19,178
2004	291,605	2004	19,495
2005	305,496	2005	22,554
2006	319,440	2006	20,242
2007	334,145	2007	20,519
2008	351,406	2008	20,873
2009	366,520	2009	19,571
2010	384,115	2010	21,256
2011	400,919	2011	22,536

Table 2.2 - Road traffic accidents¹ and casualties, 2002 - 2011

	2002	2003	2004	2005	2006	2007	2008	2009	2010 ⁴	2011
1. Road traffic accidents :										
Number	18,022	19,178	19,495	22,554	20,242	20,519	20,873	19,542	21,243	22,536
Rate per 100,000 population	1,535	1,616	1,629	1,869	1,665	1,678	1,696	1,579	1,709	1,806
Rate per 1,000 registered motor vehicles	69	72	69	76	65	63	61	54	57	58
2. Motor vehicle involved:										
Number	33,119	35,239	35,506	43,741	40,023	41,178	42,910	38,058	41,084	41,294
Rate per 1,000 registered motor vehicles	127	133	126	148	129	127	125	106	110	106
3. Casualties:										
Total number of casualties of which	2,904	2,698	2,951	2,760	2,522	3,055	3,435	3,661	3,640	3,541
<i>Fatal</i> ²	158	131	144	136	134	140	168	140	158	152
<i>Seriously injured</i>	216	291	245	358	348	500	512	516	569	549
<i>Slightly injured</i>	2,530	2,276	2,562	2,266	2,040	2,415	2,755	3,005	2,913	2,840
4. Fatality :										
Rate per 100,000 population	13.5	11.0	12.0	11.3	11.0	11.4	13.6	11.3	12.7	12.2
Rate per 1,000 registered motor vehicles	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4
Fatality index ³	5.4	4.8	4.9	4.9	5.3	4.6	4.9	3.8	4.3	4.3

¹ Exclude accidents involving bicycles only or bicycle and pedestrian

² From 1993 to 2001 figures are based on definition of fatal accidents where death occurred within 7 days.

As from 2002, figures are based on definition of fatal accidents where deaths occurred within 30 days as a result of road accidents

³ Fatality index is the number of fatalities per 100 casualties.

⁴ Revised

Table 2.3 -Number of vehicles¹ involved in accidents (causing casualties) by type, 2010 - 2011

Type of vehicle	2010					2011				
	Casualties					Casualties				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	66	263	998	1,327	32.9	45	245	1,097	1387	33.6
Taxi car	5	9	71	85	2.1	4	8	84	96	2.3
Bus	28	41	228	297	7.4	16	39	266	321	7.8
Lorry	6	27	82	115	2.8	17	25	105	147	3.5
Van	31	89	386	506	12.5	39	83	393	515	12.5
Motor / auto cycle	73	283	1145	1,501	37.2	65	264	1110	1439	34.9
Other motor vehicles	2	5	20	27	0.7	4	5	22	31	0.7
Total motor vehicles	211	717	2,930	3,858	95.6	190	669	3,077	3,936	95.3
Pedal cycle	9	22	148	179	4.4	6	19	167	192	4.7
Other non motor vehicles	0	0	0	0	0	0	0	0	0	0
All vehicles	220	739	3,078	4,037	100.0	196	688	3,244	4,128	100.0

¹ 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, 2010- 2011

Class of road users	2010 ¹				2011			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Pedestrian	347	337	684	18.8	320	262	582	16.4
Passenger	510	525	1,035	28.4	502	481	983	27.8
Driver	242	258	500	13.7	257	290	547	15.4
Rider (auto / motor cycle)	657	602	1,259	34.6	615	688	1,303	36.8
Pedal cyclist	80	82	162	4.5	40	86	126	3.6
Total	1,836	1,804	3,640	100.0	1,734	1,807	3,541	100.0

¹ Revised**Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2010- 2011.**

Year / Accident	2010 ¹				2011			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Vehicles v/s pedestrian	54	34	88	54.3	43	36	79	59.8
Vehicles v/s vehicles	42	32	74	45.7	38	15	53	40.2
Total	96	66	162	100.0	81	51	132	100.0

¹ Revised