

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

Year 2012

1. Vehicles registered in 2012

At the end of December 2012, there were 421,926 vehicles registered at the National Transport Authority (NTA). This represents a net increase of 21,007 vehicles (5.2%) as compared to end of year 2011 when the number of registered vehicles was 400,919 (Table 1.1).

During the year 2012, the fleet was strengthened with the registration of 25,801 vehicles, of which 19,021 (73.7%) were new, 5,633 (21.8%) were imported second-hand and 1,147 (4.5%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period 4,794 vehicles were put off the road. The net addition to the existing fleet worked out to 21,007 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 2012, the fleet consisted of 46.9% (197,849) cars and dual purpose vehicles and 41.1% (173,508) auto/motor cycles. The remaining 12.0% comprised vans (26,293), lorries and trucks (13,902), buses (2,957) and other vehicles (7,417).

3. Vehicles used for transport of passengers

3.1 Cars and dual purpose vehicles

At the end of 2012, the number of cars and dual purpose vehicles was 197,849, a rise of 6.7% over the figure of 185,357 in 2011. This increase resulted from the registration of 14,215 such vehicles (8,548 new, 5,102 imported second-hand and 565 re-registered), partly offset by 1,723 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 2012, 43.9% were less than 5 years, 23.9% between 5 and 9 years and the remaining 32.2%, 10 years and above.

3.2 Buses

At the end of December 2012, there were 2,957 registered buses, out of which 1,885 or 63.7% were 'public' buses operating with a road service licence. During 2012, some 151 new buses were registered while 106 buses were put off the road resulting in a net increase of 45 buses.

Table 1.4, which gives the age distribution of the fleet of public buses, shows that 29.5% of the buses were under 5 years, 36.6% between 5 and 9 years and 33.9%, between 10 and 18 years.

4. Motor cycles and auto cycles

At the end of 2012, there were 173,508 motor cycles and auto cycles. This represents a net increase of 7,802 (+4.7%) against 165,706 at the end of 2011.

5. Road traffic accidents

The number of road accidents registered during the year 2012 was 21,195 against 22,387 in the preceding year, showing a decrease of 5.3%. Among these accidents, the majority, 18,466 (87.1%) were non-injury, 144 fatal, 450 caused serious injuries and 2,135 slight injuries.

Compared to 2011, accidents causing casualties went up by 13.5% while non-injury accidents went down by 7.6%. Fatal accidents went up by 9.1%, serious injury accidents by 10.6% and slight injury accidents by 14.5%.

The accident rate, expressed as the number of accidents per 100,000 mid-year population, decreased from 1,794 in 2011 to 1,692 in 2012 and the number of accidents per 1,000 mid-year registered motor vehicles decreased from 57 in 2011 to 52 in 2012 (Table 2.1).

6. Vehicles involved in road accidents

During the year 2012, the total number of vehicles (both motor and non-motor) involved in road accidents was 40,922 against 41,472 in the previous year. The number of motor vehicles involved in accidents resulting in casualties was 3,827 in 2012 against 3,564 in 2011. Table 2.3 shows that 33.0% of the vehicles were private cars, another 41.2% were motor/auto cycles and 8.9% were vans.

7. Casualties

The number of casualties (fatalities and persons injured as a result of road accidents) went up by 2.3% from 3,422 in 2011 to 3,502 in 2012. Among the casualties, 156 were fatal, 545 seriously injured and the remaining 2,801 slightly injured.

Table 2.4 reveals that, among the casualties in 2012, some 26.8% were passengers, 35.3% riders of auto/motor cycles, 17.7% pedestrians, 15.5% drivers and 4.7% pedal cyclists.

Compared to 2011, the number of persons who died as a result of road accidents went up by 2.6%. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, increased from 12.2% in 2011 to 12.5% in 2012. Out of the 156 persons killed in road accidents during year 2012, the most vulnerable category of road users were riders/pillion riders of motorised two-wheelers (70), followed by pedestrians(44) (Table 2.6).

8. Hit and run cases of accidents causing casualties

In 2012, there were 190 "hit and run" cases causing casualties compared to 169 in 2011. Out of these 190 cases, 53.2% (101) involved vehicles only while the other 46.8% (89) 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 2012

Type of vehicle	No. of vehicles at 31.12.11	New vehicles	Used imported vehicles	Re - registered vehicles ²	Vehicles off the road ³	No. of vehicles at 31.12.12	Net addition
Car	136,225	7,207	5,012	409	1,120	147,733	11,508
Dual purpose vehicle	49,132	1,341	90	156	603	50,116	984
Motor cycle	53,410	6,517	46	367	703	59,637	6,227
Auto cycle	112,296	2,942	7	1	1,375	113,871	1,575
Lorry and truck	13,539	334	193	64	228	13,902	363
Van	26,090	362	207	106	472	26,293	203
Bus	2,912	151	-	-	106	2,957	45
Other	7,315	167	78	44	187	7,417	102
Total	400,919	19,021	5,633	1,147	4,794	421,926	21,007

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, 2003 - 2012

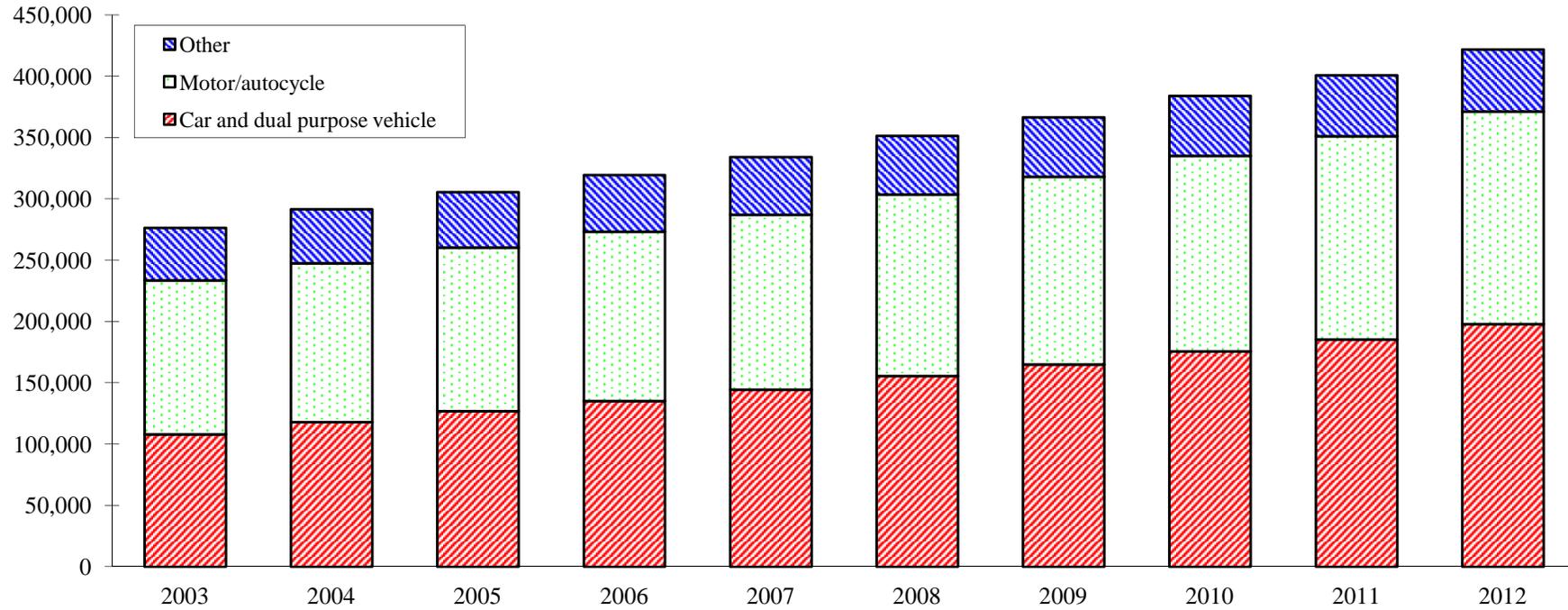


Table 1.2 - Vehicles¹ registered , 2003 - 2012

Type of vehicle	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Car	68,524	77,342	84,818	91,911	99,770	109,507	117,890	127,363	136,225	147,733
<i>(of which taxi car)</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>(6,921)</i>	<i>(6,924)</i>	<i>(6,907)</i>	<i>(6,905)</i>
Dual purpose vehicle	39,383	40,667	42,026	43,221	44,635	46,021	47,146	48,271	49,132	50,116
Heavy motor car	958	1,020	1,045	1,118	1,223	1,290	1,275	1,249	1,230	1,244
Motor cycle	26,744	28,646	30,927	33,936	36,969	40,804	44,222	48,655	53,410	59,637
Auto cycle	98,858	100,854	102,503	104,238	105,637	107,184	108,713	110,674	112,296	113,871
Lorry and truck	11,501	11,774	12,047	12,272	12,536	12,726	12,950	13,186	13,539	13,902
Van	22,496	23,326	23,989	24,522	24,934	25,334	25,622	25,914	26,090	26,293
Bus	2,460	2,457	2,560	2,612	2,753	2,762	2,803	2,845	2,912	2,957
Tractor and dumper	2,877	2,935	2,982	3,001	3,025	3,045	3,102	3,119	3,173	3,202
Prime mover	369	388	412	436	452	505	558	596	650	689
Trailer	1,772	1,771	1,765	1,756	1,795	1,809	1,823	1,821	1,834	1,845
Road roller	100	99	96	96	96	96	97	98	99	101
Other	329	326	326	321	320	323	319	324	329	336
TOTAL	276,371	291,605	305,496	319,440	334,145	351,406	366,520	384,115	400,919	421,926

¹ Excluding pedal cycles, but including government vehicles

Table 1.3 - Age composition of cars and dual purpose vehicles, 2011 - 2012

(as at 31st December)

Age group (Years)	2011		2012	
	Number	%	Number	%
< 5	79,905	43.1	86,914	43.9
5 < 10	44,102	23.8	47,220	23.9
10 < 15	18,461	10.0	21,339	10.8
≥ 15	42,889	23.1	42,376	21.4
TOTAL	185,357	100.0	197,849	100.0

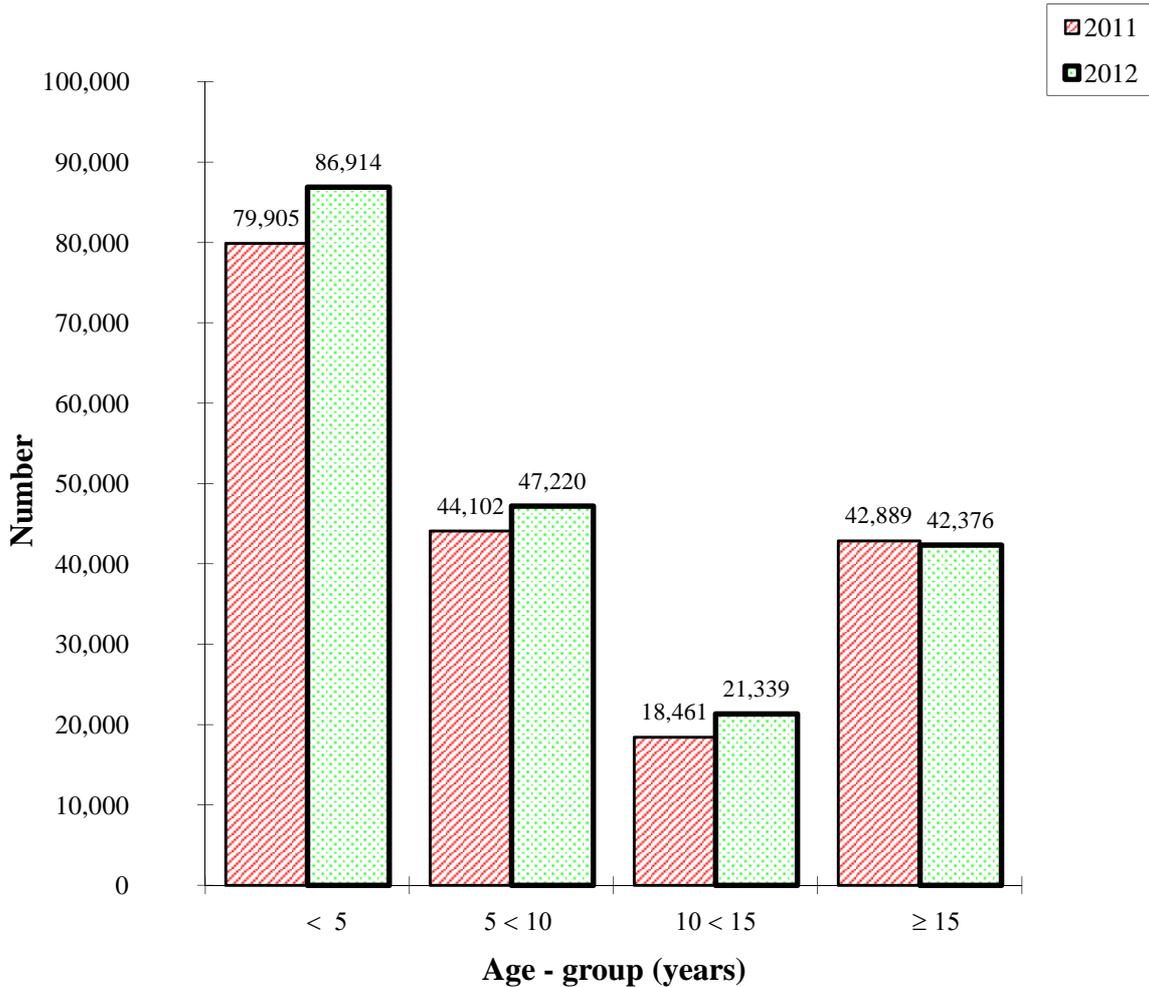
**Fig. 1.2 - Age composition of cars and dual purpose vehicles
(as at 31st December)**

Table 1.4 - Age composition of operational bus fleet ¹, 2011 - 2012

(as at 31st December)

Age group (Years)	2011		2012	
	Number	%	Number	%
< 5	637	34.2	556	29.5
5 < 10	591	31.7	689	36.6
10 < 15	360	19.3	359	19.0
15 < 18	275	14.8	281	14.9
TOTAL	1,863	100.0	1,885	100.0

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

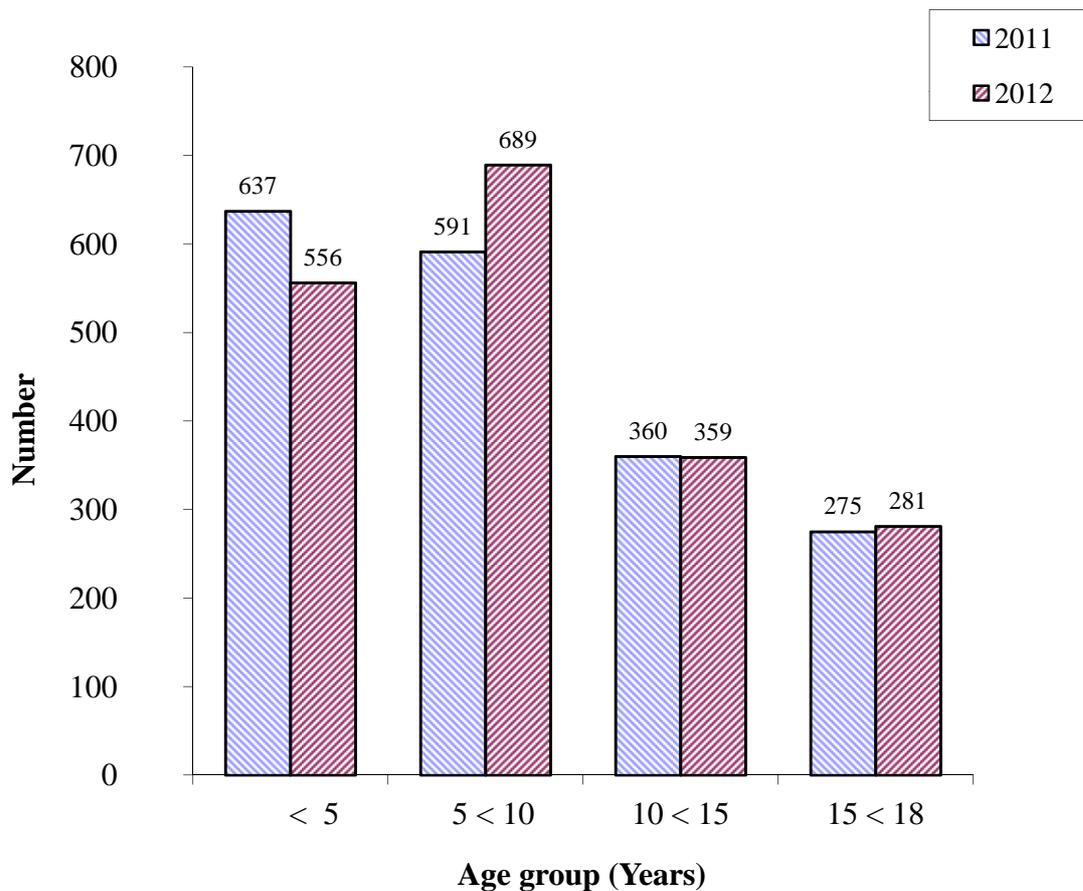
**Fig. 1.3 - Age composition of operational bus fleet vehicles
(as at 31 st December)**

Table 2.1 - Road traffic accidents¹, 2011 - 2012

	2011 ³	2012	Change	
			Number	%
1. Road traffic accidents	22,387	21,195	- 1,192	- 5.3
Number of accidents causing casualties	2,404	2,729	325	+ 13.5
<i>Fatal accident</i> ²	132	144	12	+ 9.1
<i>Serious injury accident</i>	407	450	43	+ 10.6
<i>Slight injury accident</i>	1,865	2,135	270	+ 14.5
Non injury accident	19,983	18,466	- 1,517	- 7.6
Rate per 100,000 population	1,794	1,692	N.A	N.A
Rate per 1,000 registered motor vehicles	57	52	N.A	N.A
2. Vehicles involved in road accidents				
Number of vehicles involved of which	41,472	40,922	- 550	- 1.3
<i>Motor Vehicles</i>	41,294	40,759	- 535	- 1.3
Rate per 1,000 registered motor vehicles	106	99	N.A	N.A
Number of m-vehicles involved in accidents causing casualties	3,564	3,827	263	+ 7.4
3. Casualties	3,422	3,502	80	+ 2.3
<i>Fatal</i> ²	152	156	4	+ 2.6
<i>Seriously injured</i>	487	545	58	+ 11.9
<i>Slightly injured</i>	2,783	2,801	18	+ 0.6

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

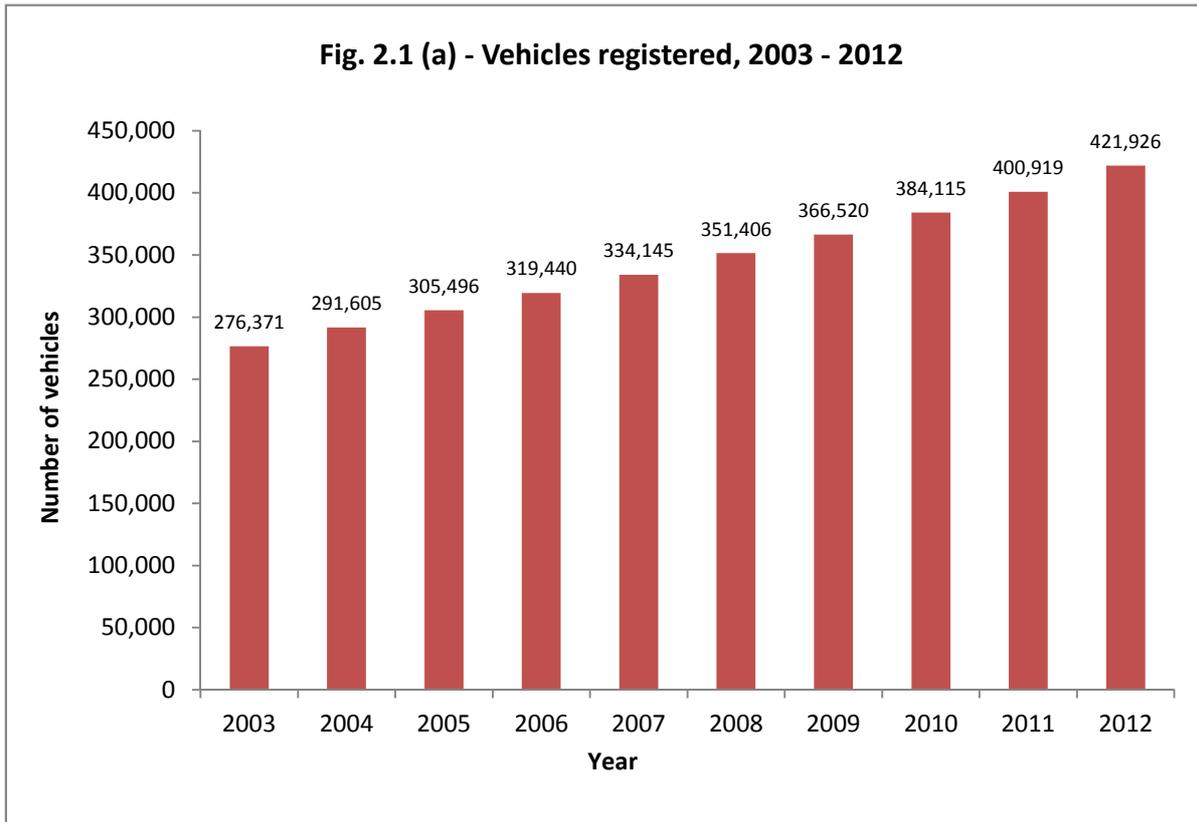


Table 2.2 - Road traffic accidents¹ and casualties, 2003 - 2012

	2003	2004	2005	2006	2007	2008	2009	2010	2011 ⁴	2012
1. Road traffic accidents :										
Number	19,178	19,495	22,554	20,242	20,519	20,873	19,542	21,243	22,387	21,195
Rate per 100,000 population	<i>1,616</i>	<i>1,629</i>	<i>1,869</i>	<i>1,665</i>	<i>1,678</i>	<i>1,696</i>	<i>1,579</i>	<i>1,709</i>	<i>1,794</i>	<i>1,692</i>
Rate per 1,000 registered motor vehicles	72	69	76	65	63	61	54	57	57	52
2. Motor vehicle involved:										
Number	35,239	35,506	43,741	40,023	41,178	42,910	38,058	41,084	41,294	41,022
Rate per 1,000 registered motor vehicles	<i>133</i>	<i>126</i>	<i>148</i>	<i>129</i>	<i>127</i>	<i>125</i>	<i>106</i>	<i>110</i>	<i>106</i>	<i>100</i>
3. Casualties:										
Total number of casualties	2,698	2,951	2,760	2,522	3,055	3,435	3,661	3,640	3,422	3,502
of which										
<i>Fatal</i> ²	<i>131</i>	<i>144</i>	<i>136</i>	<i>134</i>	<i>140</i>	<i>168</i>	<i>140</i>	<i>158</i>	<i>152</i>	<i>156</i>
<i>Seriously injured</i>	<i>291</i>	<i>245</i>	<i>358</i>	<i>348</i>	<i>500</i>	<i>512</i>	<i>516</i>	<i>569</i>	<i>487</i>	<i>545</i>
<i>Slightly injured</i>	<i>2,276</i>	<i>2,562</i>	<i>2,266</i>	<i>2,040</i>	<i>2,415</i>	<i>2,755</i>	<i>3,005</i>	<i>2,913</i>	<i>2,783</i>	<i>2,801</i>
4. Fatality :										
Rate per 100,000 population	<i>11.0</i>	<i>12.0</i>	<i>11.3</i>	<i>11.0</i>	<i>11.4</i>	<i>13.6</i>	<i>11.3</i>	<i>12.7</i>	<i>12.2</i>	<i>12.5</i>
Rate per 1,000 registered motor vehicles	<i>0.5</i>	<i>0.5</i>	<i>0.4</i>	<i>0.4</i>	<i>0.4</i>	<i>0.5</i>	<i>0.4</i>	<i>0.4</i>	<i>0.4</i>	<i>0.4</i>
Fatality index ³	<i>4.8</i>	<i>4.9</i>	<i>4.9</i>	<i>5.3</i>	<i>4.6</i>	<i>4.9</i>	<i>3.8</i>	<i>4.3</i>	<i>4.4</i>	<i>4.5</i>

¹ Exclude accidents involving bicycles only or bicycle and pedestrian

² 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, 2011 - 2012

Type of vehicle	2011					2012				
	Casualties					Casualties				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	45	197	1,015	1,257	33.8	42	218	1,057	1,317	33.0
Taxi car	4	8	84	96	2.6	1	11	73	85	2.1
Bus	16	43	268	327	8.8	16	28	262	306	7.7
Lorry	17	21	70	108	2.9	20	10	57	87	2.2
Van	39	45	218	302	8.1	36	43	278	357	8.9
Motor / auto cycle	65	267	1,123	1,455	39.1	78	314	1,250	1,642	41.2
Other motor vehicles	4	2	13	19	0.5	10	6	17	33	0.8
Total motor vehicles	190	583	2,791	3,564	95.7	203	630	2,994	3,827	95.9
Pedal cycle	6	34	119	159	4.3	11	25	127	163	4.1
Other non-motor vehicles	0	0	0	0	0	0	0	0	0	0
All vehicles	196	617	2,910	3,723	100.0	214	655	3,121	3,990	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, 2011- 2012

Class of road users	2011 ¹				2012			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Pedestrian	320	275	595	17.4	317	303	620	17.7
Passenger	502	430	932	27.2	471	467	938	26.8
Driver	257	269	526	15.4	268	276	544	15.5
Rider (auto / motor cycle)	615	613	1,228	35.9	647	590	1,237	35.3
Pedal cyclist	40	101	141	4.1	42	121	163	4.7
Total	1,734	1,688	3,422	100.0	1,745	1,757	3,502	100.0

¹ Revised**Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2011- 2012.**

Year Accident	2011 ¹				2012			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Vehicles v/s pedestrian	40	39	79	46.7	41	48	89	46.8
Vehicles v/s vehicles	51	39	90	53.3	45	56	101	53.2
Total	91	78	169	100.0	86	104	190	100.0

¹ Revised

Table 2.6 - Number of fatalities by category of road users and age-group, 2012

Category of road users Age - group	Cyclists	Drivers of four wheeled vehicles	Passengers of four wheeled vehicles	Pedestrians	Riders / pillion riders of motorised two - wheelers	Total
Under 7 yrs	-	-	-	1	-	1
7 - 12 yrs	-	-	-	-	-	-
13 - 20 yrs	2	2	3	-	10	17
21 - 40 yrs	3	5	9	12	29	58
41 - 50 yrs	-	4	2	7	13	26
51 - 60 yrs	1	1	5	5	12	24
Over 60 yrs	3	-	2	19	6	30
All ages	9	12	21	44	70	156