

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

Year 2007

1. Vehicles registered in 2007

At the end of December 2007 there were 334,145 vehicles registered at the National Transport Authority (NTA). This represents a net increase of 14,705 vehicles (4.6%) as compared to end of year 2006 when the number of registered vehicles was 319,440.

During the year 2007, the fleet was strengthened with the registration of 19,246 vehicles, of which 12,428 (65%) were new, 5,354 (27%) were imported second-hand and 1,464 (8%) were re-registered vehicles; i.e., those which had been previously de-registered (put off the road). However during the same period 4,541 vehicles were put off the road, resulting in a net addition of 14,705 vehicles to the existing fleet (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 2007, the fleet consisted of 43% (144,405) cars and dual purpose vehicles and 43% (142,606) auto/motor cycles. The remaining 14% comprised vans (24,934), lorries and trucks (12,536), buses (2,753) and other vehicles (6,911).

3. Vehicles used for the transport of passengers

3.1 *Cars and dual purpose vehicles*

At the end of 2007, the number of cars and dual purpose vehicles was 144,405, a rise of 6.9% over the 2006 figure which stood at 135,132. This increase was the result of the registration of 10,898 such vehicles (5,453 new, 4,662 imported second-hand and 783 re-registered), partly offset by 1,625 that were put off the road.

Table 1.3 shows the age distribution of cars and dual purpose vehicles. At the end of December 2007, 39% were less than 5 years, 25% between 5 and 9 years and the remaining 36%, 10 years and above.

3.2 *Buses*

At the end of December 2007, there were 2,753 registered buses, out of which 1,895 or 69% were 'public' buses operating with a road service licence. During 2007,

219 new buses were registered while 78 buses were put off the road resulting in an increase of 141 buses.

Table 1.4 which gives the age distribution of the fleet of public buses shows that 37% of the buses were under 5 years, 23.0% between 5 and 9 years and 40%, between 10 and 18 years.

4. Road traffic accidents

The number of road accidents registered during the year 2007 was 20,519 against 20,242 in the preceding year, showing an increase of 1.4%. Among these accidents the majority, 18,329 (89%) were non-injury, 133 fatal, 403 caused serious injuries and 1,654 slight injuries.

Compared to 2006, accidents causing casualties went up by 12.5% and non-injury accidents by 0.2%. Fatal accidents rose by 9.0% and serious injury accidents by 36.1 % and slight injury accidents by 8.2%.

The accident rate expressed as the number of accidents per 100,000 mid-year population increased from 1,665 in 2006 to 1,678 in 2007 while the number of accidents per 1,000 mid-year registered motor vehicles decreased from 65 to 63 (Table 2.1).

5. Vehicles involved in road accidents

During the year 2007, the total number of vehicles (both motor and non-motor) involved in road accidents was 41,355 against 40,205 in the previous year. The number of vehicles involved in accidents resulting in casualties in 2007 was 3,389 against 3,007 in 2006. Table 2.3 shows that 34.0% of these were private cars, another 34% motor/auto cycles and 12% vans.

6. Casualties

The number of casualties (fatalities and persons injured as a result of road accidents) rose by 21.1 % from 2,522 in 2006 to 3,055 in 2007. Among the casualties, 140 were fatal, 500 were seriously injured and the remaining 2,415 were slightly injured.

Compared to 2006, the number of persons who died as a result of road accidents went up by 4.5%. 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 11.0% in 2006 to 11.4 in 2007

Table 2.4 reveals that, among the casualties in 2007, 33% were riders of auto/motor cycles, 27% passengers, 20% pedestrians, 14% drivers and 6% pedal cyclists.

7. Hit and run cases of accidents causing casualties

In 2007, there were 128 "hit and run" cases causing casualties compared to 127 in 2006. Out of these 128 cases, 60% (77) involved vehicles only while the other 40% (51) 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 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.

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, 2007

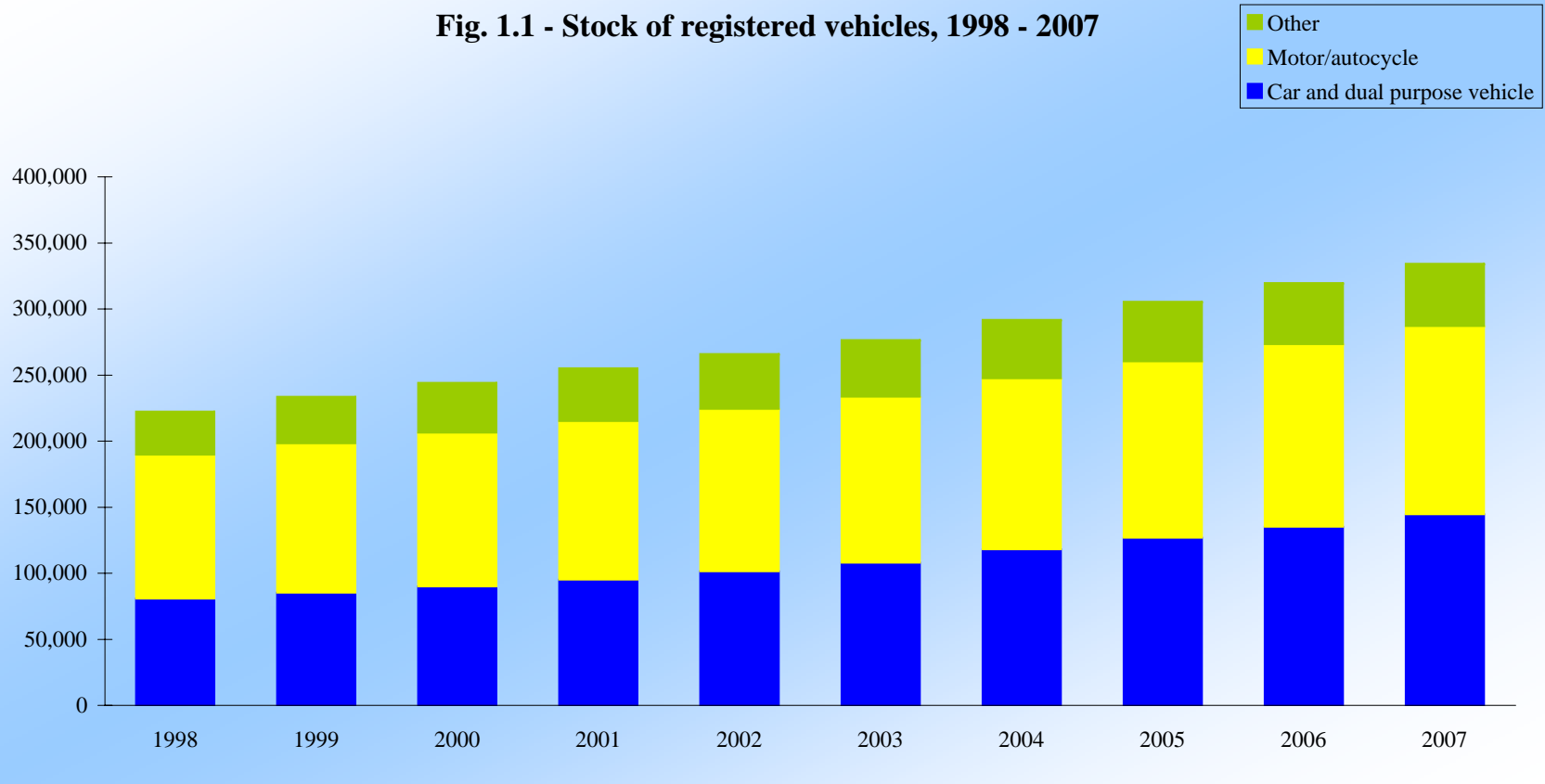
Type of vehicle	No. of vehicles at 31.12.06	New vehicles	Imported second-hand vehicles	Re - registered vehicles ²	Vehicles off the road ³	No. of vehicles at 31.12.07	Net addition
Car	91,911	3,831	4,527	604	1,103	99,770	7,859
Dual purpose vehicle	43,221	1,622	135	179	522	44,635	1,414
Motor cycle	33,936	3,272	66	343	648	36,969	3,033
Auto cycle	104,238	2,716	9	15	1,341	105,637	1,399
Lorry and truck	12,272	257	106	129	228	12,536	264
Van	24,522	245	412	148	393	24,934	412
Bus	2,612	219	-	-	78	2,753	141
Other	6,728	266	99	46	228	6,911	183
Total	319,440	12,428	5,354	1,464	4,541	334,145	14,705

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, 1998 - 2007



Type of vehicle	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Car and dual purpose vehicle	80,578	85,154	89,823	95,066	101,436	107,907	118,009	126,844	135,132	144,405
Motor cycle and autocycle	109,143	112,946	116,478	119,953	122,801	125,602	129,500	133,430	138,174	142,606
Other	32,623	35,315	37,717	40,130	41,604	42,862	44,096	45,222	46,134	47,134
Total	222,344	233,415	244,018	255,149	265,841	276,371	291,605	305,496	319,440	334,145

Table 1.2 - Vehicles¹ registered , 1998 - 2007

Type of vehicle	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Car (of which taxi car)	51,051 (4,761)	52,892 (4,905)	54,911 (5,039)	58,082 (5,318)	63,307 (5,801)	68,524 (5,979)	77,342 (6,482)	84,818 (6,798)	91,911 (6,860)	99,770 (6,885)
Dual purpose vehicle	29,527	32,262	34,912	36,984	38,129	39,383	40,667	42,026	43,221	44,635
Heavy motor car	945	934	916	923	944	958	1,020	1,045	1,118	1,223
Motor cycle	23,577	24,125	24,523	25,104	25,723	26,744	28,646	30,927	33,936	36,969
Auto cycle	85,566	88,821	91,955	94,849	97,078	98,858	100,854	102,503	104,238	105,637
Lorry and truck	9,750	10,138	10,485	10,888	11,236	11,501	11,774	12,047	12,272	12,536
Van	14,508	16,814	18,807	20,694	21,750	22,496	23,326	23,989	24,522	24,934
Bus	2,367	2,344	2,394	2,408	2,450	2,460	2,457	2,560	2,612	2,753
Tractor and dumper	2,627	2,630	2,645	2,683	2,683	2,877	2,935	2,982	3,001	3,025
Prime mover	297	315	322	335	349	369	388	412	436	452
Trailer	1,703	1,719	1,726	1,776	1,770	1,772	1,771	1,765	1,756	1,795
Road roller	105	102	100	100	101	100	99	96	96	96
Other	321	319	322	323	321	329	326	326	321	320
TOTAL	222,344	233,415	244,018	255,149	265,841	276,371	291,605	305,496	319,440	334,145

¹ Excluding pedal cycles, but including government vehicles

Table 1.3 - Age composition of cars and dual purpose vehicles, 2006 - 2007

(as at 31st December)

Age group (Years)	2006		2007	
	Number	%	Number	%
< 5	49,749	36.8	55,960	38.8
5 < 10	36,935	27.3	36,955	25.6
10 < 15	14,303	10.6	15,190	10.5
≥ 15	34,145	25.3	36,300	25.1
TOTAL	135,132	100.0	144,405	100.0

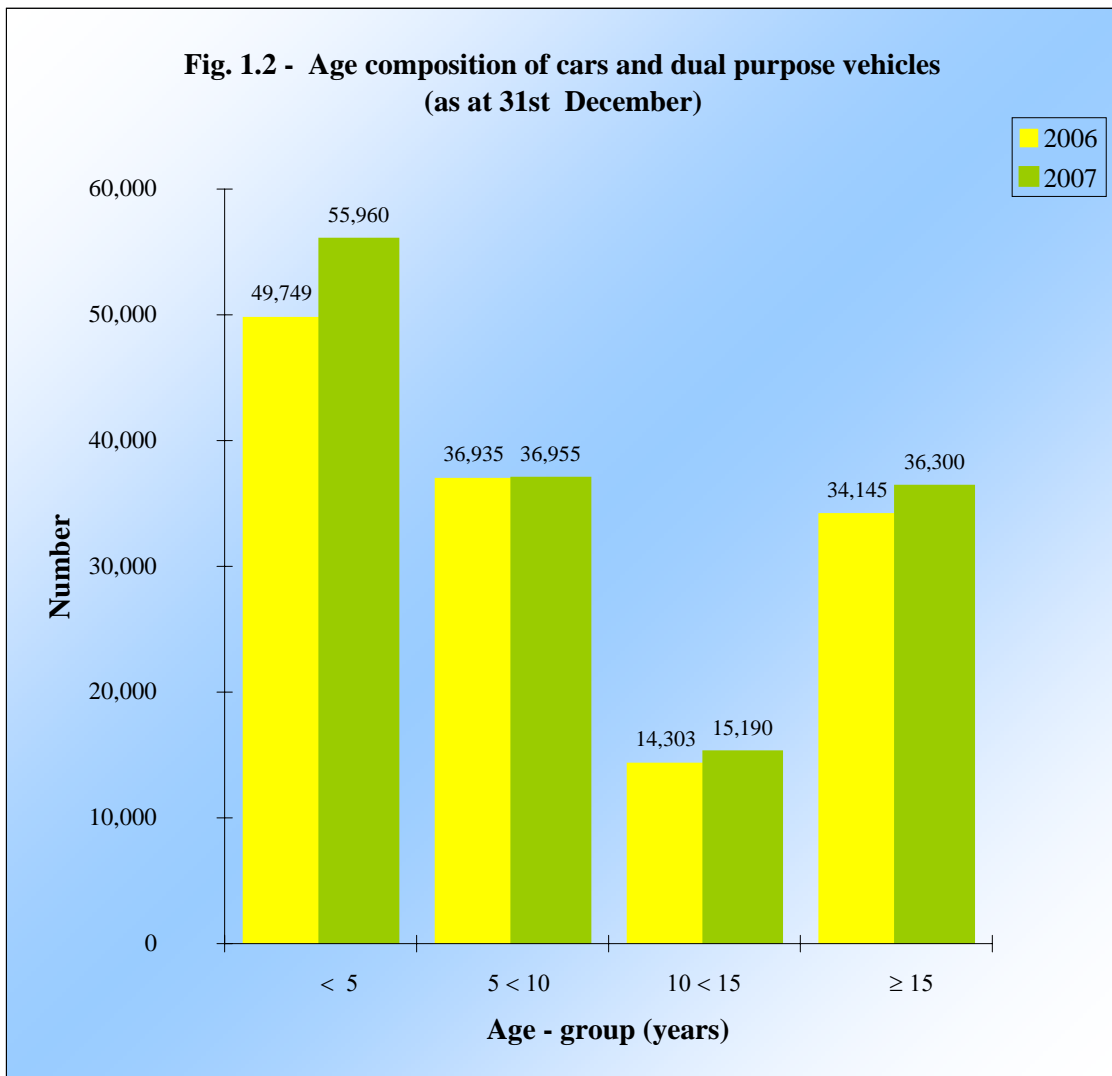


Table 1.4 - Age composition of operational bus fleet ¹, 2006 - 2007

(as at 31st December)

Age group (Years)	2006		2007	
	Number	%	Number	%
< 5	604	32.4	694	36.6
5 < 10	428	23.0	437	23.0
10 < 15	653	35.1	596	31.5
15 < 18	177	9.5	168	8.9
TOTAL	1,862	100.0	1,895	100.0

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

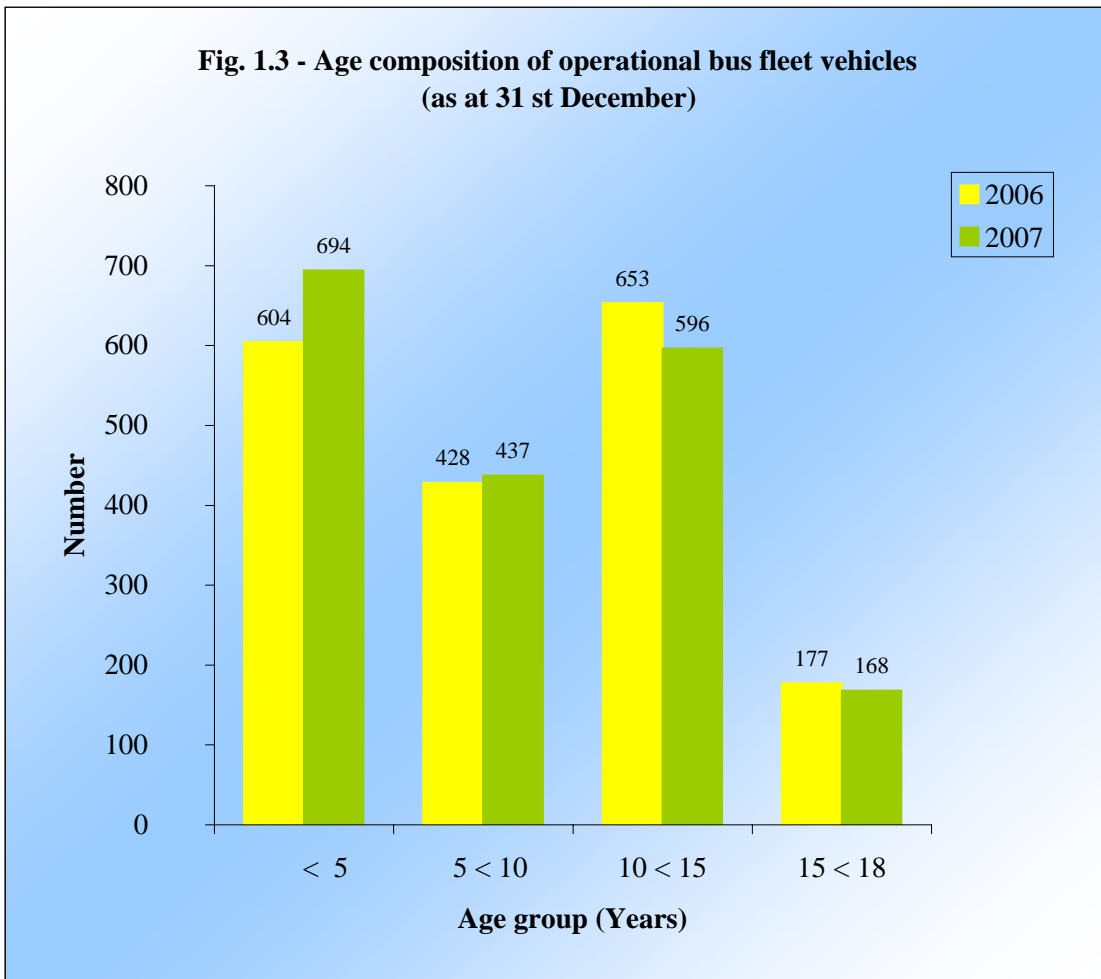


Table 2.1 - Road traffic accidents¹, 2006 - 2007

	2006	2007	Change	
			Number	%
1. Road traffic accidents	20,242	20,519	+277	+1.4
Number of accidents causing casualties	1,947	2,190	+243	+12.5
<i>Fatal accident</i> ²	122	133	+11	+9.0
<i>Serious injury accident</i>	296	403	+107	+36.1
<i>Slight injury accident</i>	1,529	1,654	+125	+8.2
Non injury accident	18,295	18,329	+34	+0.2
Rate per 100,000 population	1665	1,678	N.A	N.A
Rate per 1,000 registered motor-vehicles	65	63	N.A	N.A
2. Vehicles involved				
Number of vehicles involved of which	40,205	41,355	+1150	+2.9
<i>Motor Vehicles</i>	40,023	41,178	+1155	+2.9
Rate per 1,000 registered motor-vehicles	129	127	N.A	N.A
Number of m-vehicles involved in accidents causing casualties	2,825	3,212	+387	+13.7
3. Casualties	2,522	3,055	+533	+21.1
<i>Fatal</i> ²	134	140	+6	+4.5
<i>Seriously injured</i>	348	500	+152	+43.7
<i>Slightly injured</i>	2,040	2,415	+375	+18.4

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

N.A : Not applicable

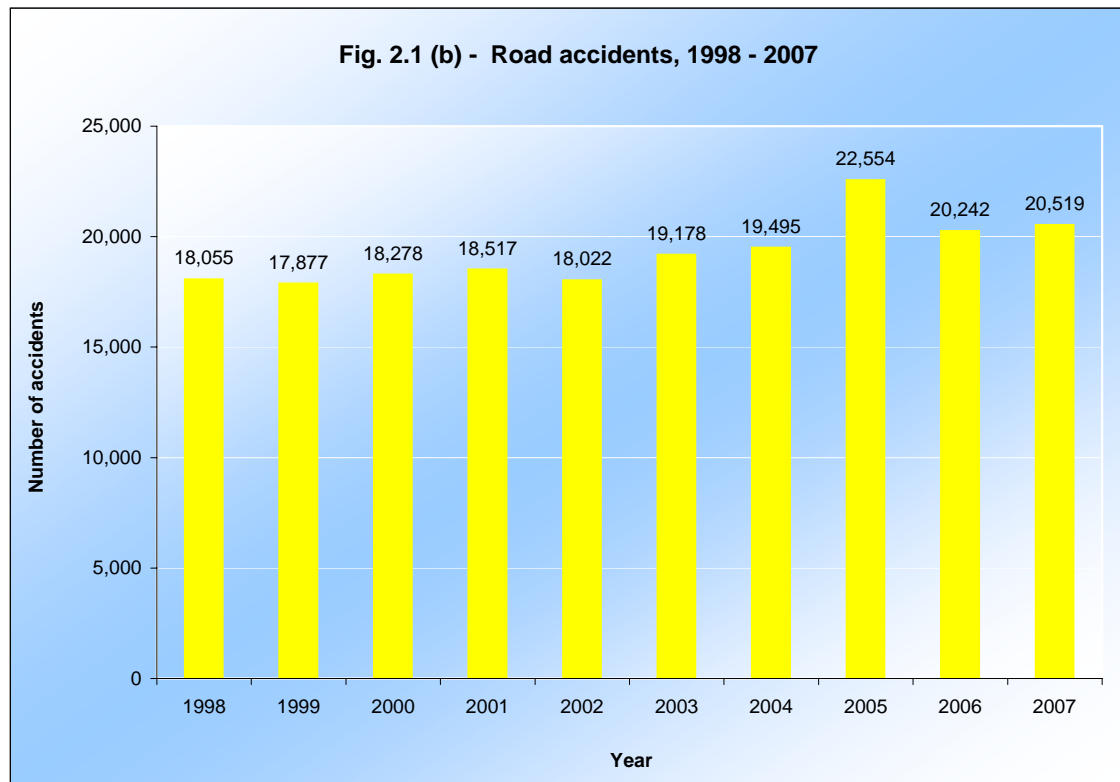
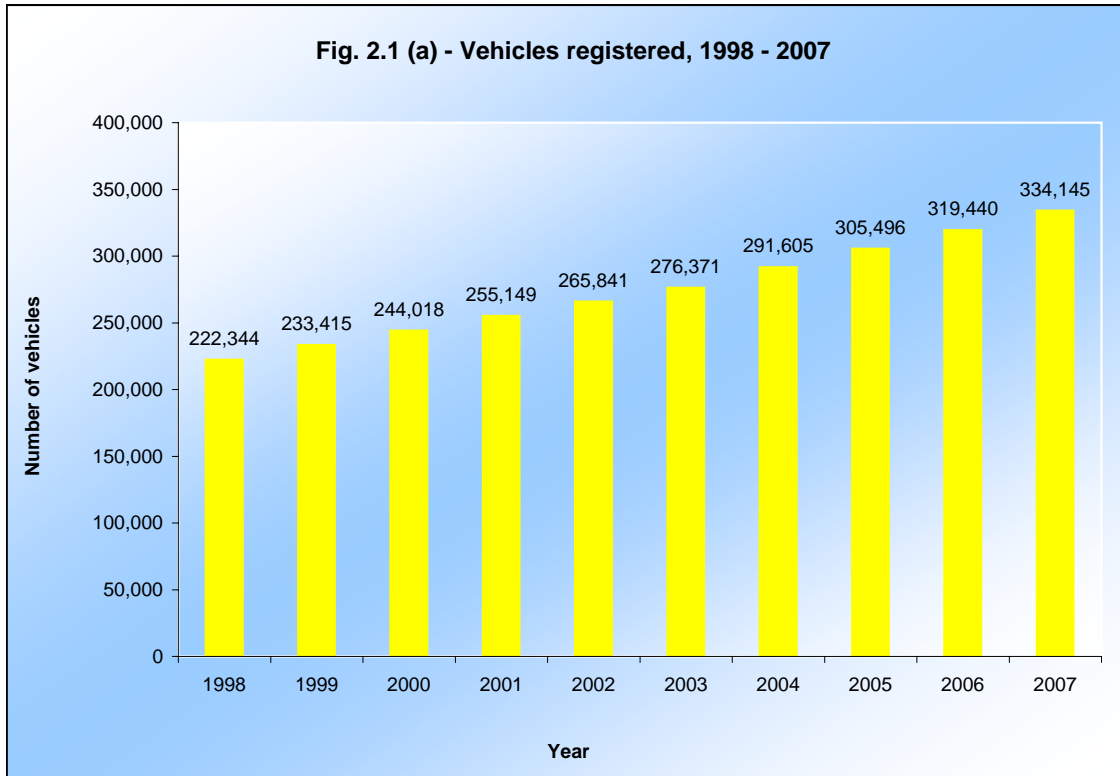


Table 2.2 - Road traffic accidents¹ and casualties, 1998 - 2007

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Road traffic accidents :										
Number	18,055	17,877	18,278	18,517	18,022	19,178	19,495	22,554	20,242	20,519
Rate per 100,000 population	1,605	1,569	1,588	1,591	1,535	1,616	1,629	1,869	1,665	1,678
Rate per 1,000 registered motor vehicles	84	79	77	75	69	72	69	76	65	63
2. Motor vehicle involved:										
Number	32,568	32,547	33,537	33,988	33,119	35,239	35,506	43,741	40,023	41,178
Rate per 1,000 registered motor vehicles	152	144	142	137	127	133	126	148	129	127
3. Casualties:										
Total number of casualties of which	3,828	3,405	3,291	3,264	2,904	2,698	2,951	2,760	2,522	3,055
<i>Fatal</i> ²	162	170	163	126	158	131	144	136	134	140
<i>Seriously injured</i>	281	237	266	288	216	291	245	358	348	500
<i>Slightly injured</i>	3,385	2,998	2,862	2,850	2,530	2,276	2,562	2,266	2,040	2,415
4. Fatality :										
Rate per 100,000 population	14.4	14.9	14.2	10.8	13.5	11.0	12.0	11.3	11.0	11.4
Rate per 1,000 registered motor vehicles	0.8	0.8	0.7	0.5	0.6	0.5	0.5	0.4	0.4	0.4
Fatality index ³	4.2	5.0	5.0	3.9	5.4	4.8	4.9	4.9	5.3	4.6

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.

Table 2.3 -Number of vehicles¹ involved in accidents (causing casualties) by type, 2006 - 2007

Type of vehicle	2006					2007				
	Casualties					Casualties				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	56	129	863	1,048	34.9	47	180	926	1,153	34.0
Taxi car	1	13	79	93	3.1	2	14	84	100	3.0
Bus	19	35	142	196	6.5	22	56	193	271	8.0
Lorry	13	21	66	100	3.3	15	31	75	121	3.6
Van	21	62	290	373	12.4	30	85	303	418	12.3
Motor / auto cycle	46	164	773	983	32.6	63	207	870	1,140	33.6
Other motor vehicles	3	2	27	32	1.1	0	2	7	9	0.3
Total motor vehicles	159	426	2,240	2,825	93.9	179	575	2,458	3,212	94.8
Pedal cycle	17	31	134	182	6.1	14	33	130	177	5.2
Other non motor vehicles	0	0	0	0	0	0	0	0	0	0
All vehicles	176	457	2,374	3,007	100.0	193	608	2,588	3,389	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, 2006 - 2007

Class of road users	2006				2007			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Pedestrian	267	299	566	22.4	306	302	608	19.9
Passenger	312	306	618	24.5	424	394	818	26.8
Driver	127	200	327	13.0	231	206	437	14.3
Rider (auto / motor cycle)	404	437	841	33.3	483	536	1,019	33.3
Pedal cyclist	79	91	170	6.7	86	87	173	5.7
Total	1,189	1,333	2,522	100.0	1,530	1,525	3,055	100.0

Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2006- 2007.

Year \ Accident	2006				2007			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Vehicles v/s pedestrian	27	30	57	44.9	23	28	51	39.8
Vehicles v/s vehicles	32	38	70	55.1	40	37	77	60.2
Total	59	68	127	100.0	63	65	128	100.0