

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

**Year 2004**

## **1. Vehicles registered in 2004**

At the end of year 2004 there were 291,605 vehicles registered at the National Transport Authority (N.T.A), representing an increase of 5.5% over the previous year.

Between January and December 2004, 19,670 vehicles were registered, of which 11,035 (56.1%) new, 7,132 (36.3%) imported second-hand and 1,503 (7.6%) re-registered vehicles i.e. those which had been previously de-registered (put off the road). On the other hand, during the same period 4,436 vehicles were put off the road, resulting in a net addition of 15,234 vehicles to the fleet (Table 1.1).

## **2. Composition of the fleet**

A breakdown of the fleet by type of vehicles is given in Table 1.2. At the end of December 2004, the fleet consisted of 44.4% (129,500) motorized two-wheelers, 40.5% (118,009) cars and dual purpose vehicles, while the remaining 15.1% comprised vans (23,326), lorries and trucks (11,774), buses (2,457) and other vehicles (6,539).

## **3. Vehicles used for the transport of passengers**

### ***3.1 Cars and dual purpose vehicles***

At the end of 2004, cars and dual purpose vehicles numbered 118,009, a rise of 9.4% over the 2003 figure of 107,907. This increase was the result of the registration of 11,687 such vehicles (4,717 new, 6,130 imported second-hand and 840 re-registered) partly offset by 1,585 which were put off the road.

The age composition of cars and dual purpose vehicles reveals that at end of December 2004, 35.3% were under 5 years, 27.6% between 5 and 9 years and the remaining 37.1%, 10 years and above (Table 1.3).

### ***3.2 Buses***

At the end of December 2004 there were 2,457 registered buses of which 76.1% (1,869) were 'public' buses operating with a Road Service Licence. The age distribution of the fleet of public buses as given in Table 1.4, shows that 26.5% of the buses were under 5 years, 26.0% between 5 and 9 years and 47.5%, 10 years and over.

#### **4. Road traffic accidents**

Data on road traffic accidents are obtained from the police. As from August 2004, with the introduction of the “Agreed statement of facts”, the police registered road traffic accidents causing injury mainly and non-injury accidents in case of dispute between parties involved. Most of the non-injury accidents are reported directly to insurance companies. The insurance companies willingly provide aggregated data on non-injury accidents. Thus detailed information on non-injury accidents would not be available.

The number of road accidents registered from January to December 2004 was 19,495 against 19,178 for the year 2003, showing an increase of 1.7%. Among these accidents the majority, 17,335 or nearly 90% were non-injury, 131 fatal, 184 caused serious injuries and 1,845 slight injuries. Compared to 2003, fatal accidents rose by 8.3% and slight injury accidents by 6.7% while serious-injury accidents fell by 12.8%.

The accident rate per 100,000 population increased from 1,616 in 2003 to 1,629 in 2004 in contrast to the rate per 1,000 registered motor vehicles which decreased from 72 to 69 (Table 2.1).

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

During the year 2004, the total number of vehicles (both motor and non-motor) involved in accidents was 35,809 compared to 35,570 in 2003. However, the number of vehicles involved in accidents resulting in casualties was 3,297 in 2004 and 3,114 in 2003. Table 2.3 shows that 30.3% of these were private cars, 29.3% motor/auto cycles and 16.1% vans.

#### **6. Casualties**

The number of casualties increased by 9.4% from 2,698 in 2003 to 2,951 in 2004. Among the casualties, 144 were fatal, 245 were seriously injured and the remaining 2,562 slightly injured.

Compared to 2003, the number of persons who died as a result of road accidents went up by 9.9%. The fatality rate thus increased from 11.0 per 100,000 population in 2003 to 12.0 in 2004.

Table 2.4 shows that, among the casualties in 2004, 29.5% were passengers, 27.5% riders of auto/motor cycles and 23.8% pedestrians.

## **7. Hit and run cases**

In 2004, there were 435 "hit and run" cases compared to 413 in 2003. Out of these 435 cases, 86.0% (374) involved vehicles only while the other 14.0% (61) involved both vehicles and pedestrians (Table 2.5).

**Central Statistics Office  
Ministry of Finance and Economic Development  
Port Louis**

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Contact persons: ( i ) Mr. A. Poreema Senior Statistical Officer National Transport Authority Tel: 202-2831 Fax: 212-9399 ( ii ) Mr. R. Mungur Senior Statistical Officer Traffic Management and Road Safety Unit Tel: 210-8716 Fax: 213-0318
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## Definitions and General Notes

### A. Vehicle Statistics

- I. 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, 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) **Auticycle**

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 Accident Statistics**

- 1. Accidents** refer to all accidents reported to the police as well as non-injury accidents reported directly to insurance companies.
- 2. Casualties refer** to the total number of fatalities and persons injured as the result of road accidents.
- 3. Fatalities:** Prior to 2002, fatalities were defined as deaths occurring within 7 days as a result of road accidents. Since January 2002, fatalities are defined as deaths occurring within 30 days as a result of the accident.
- 4. Serious injuries:** Fracture, concussion, internal crushing, severe cut and laceration, severe general shock requiring medical treatment.
- 5. Slight injuries:** Secondary injuries such as sprain, bruises and cuts not judged to be severe.

**Table 1.1 - Vehicles<sup>1</sup> registered in 2004**

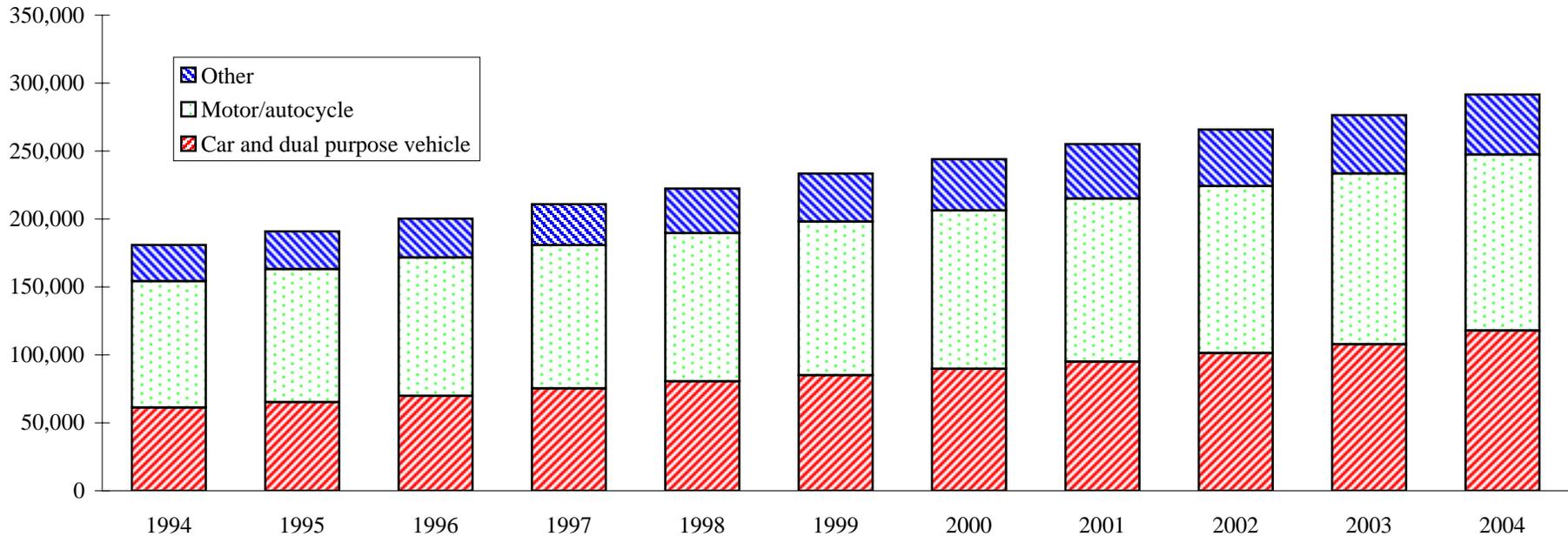
Type of vehicle	No. of vehicles at 31.12.03	New vehicles	Used imported vehicles	Re - registered vehicles <sup>2</sup>	Vehicles off the road <sup>3</sup>	No. of vehicles at 31.12.04	Net addition
Car	68,524	3,404	5,918	618	1,122	77,342	8,818
Dual purpose vehicle	39,383	1,313	212	222	463	40,667	1,284
Motor cycle	26,744	2,191	32	311	632	28,646	1,902
Auto cycle	98,858	3,328	9	26	1,367	100,854	1,996
Lorry and truck	11,501	179	166	157	229	11,774	273
Van	22,496	332	719	127	348	23,326	830
Bus	2,460	65	--	1	69	2,457	- 3
Other	6,405	223	76	41	206	6,539	134
<b>Total</b>	<b>276,371</b>	<b>11,035</b>	<b>7,132</b>	<b>1,503</b>	<b>4,436</b>	<b>291,605</b>	<b>15,234</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

**Fig. 1.1 - Stock of registered vehicles, 1994 - 2004**



Type of vehicle	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Car and dual purpose vehicle	61,378	65,374	69,945	75,440	80,578	85,154	89,823	95,066	101,436	107,907	118,009
Motor cycle and autocycle	92,970	97,809	101,754	105,406	109,143	112,946	116,478	119,953	122,801	125,602	129,500
Other	26,536	27,684	28,621	30,076	32,623	35,315	37,717	40,130	41,604	42,862	44,096
<b>Total</b>	<b>180,884</b>	<b>190,867</b>	<b>200,320</b>	<b>210,922</b>	<b>222,344</b>	<b>233,415</b>	<b>244,018</b>	<b>255,149</b>	<b>265,841</b>	<b>276,371</b>	<b>291,605</b>

**Table 1.2 - Vehicles<sup>1</sup> registered , 1994 - 2004**

Number

Type of vehicle	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Car ( of which taxi car )	41,355 (4,311)	43,288 (4,439)	45,563 (4,673)	48,390 (4,721)	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)
Dual purpose vehicle	20,023	22,086	24,382	27,050	29,527	32,262	34,912	36,984	38,129	39,383	40,667
Heavy motor car	848	898	922	934	945	934	916	923	944	958	1,020
Motor cycle	20,461	21,492	22,230	22,839	23,577	24,125	24,523	25,104	25,723	26,744	28,646
Auto cycle	72,509	76,317	79,524	82,567	85,566	88,821	91,955	94,849	97,078	98,858	100,854
Lorry and truck	8,559	8,815	9,058	9,356	9,750	10,138	10,485	10,888	11,236	11,501	11,774
Van	10,292	10,851	11,434	12,469	14,508	16,814	18,807	20,694	21,750	22,496	23,326
Bus	2,276	2,362	2,348	2,359	2,367	2,344	2,394	2,408	2,450	2,460	2,457
Tractor and dumper	2,478	2,546	2,580	2,615	2,627	2,630	2,645	2,683	2,683	2,877	2,935
Prime mover	249	256	262	278	297	315	322	335	349	369	388
Trailer	1,428	1,534	1,597	1,640	1,703	1,719	1,726	1,776	1,770	1,772	1,771
Road roller	106	107	106	108	105	102	100	100	101	100	99
Other	300	315	314	317	321	319	322	323	321	329	326
<b>TOTAL</b>	<b>180,884</b>	<b>190,867</b>	<b>200,320</b>	<b>210,922</b>	<b>222,344</b>	<b>233,415</b>	<b>244,018</b>	<b>255,149</b>	<b>265,841</b>	<b>276,371</b>	<b>291,605</b>

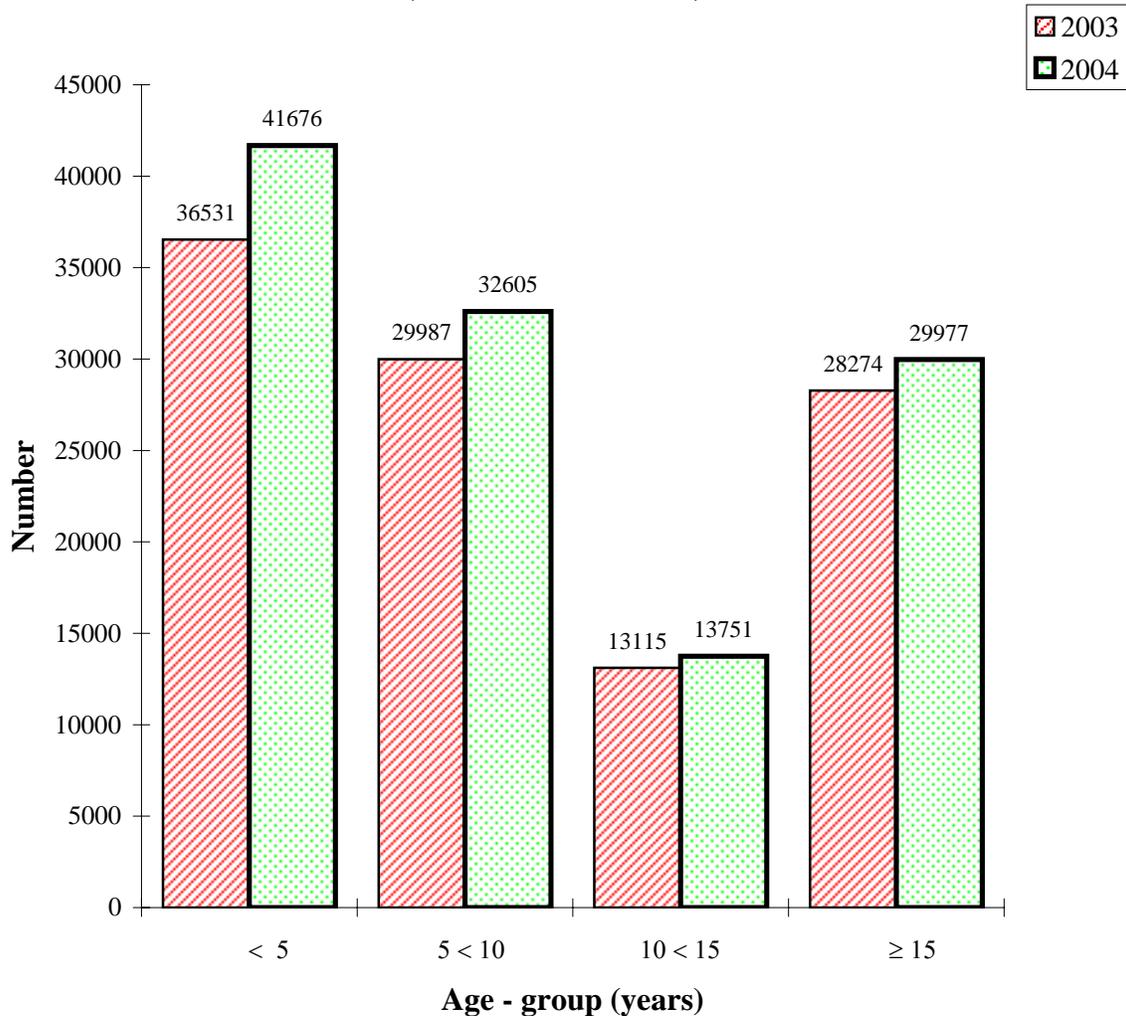
<sup>1</sup> Excluding pedal cycles but including government vehicles

**Table 1.3 - Age composition of cars and dual purpose vehicles , 2003 - 2004**

( as at 31st December )

Age group (Years)	2003		2004	
	Number	%	Number	%
< 5	36,531	33.9	41,676	35.3
5 < 10	29,987	27.8	32,605	27.6
10 < 15	13,115	12.1	13,751	11.7
≥ 15	28,274	26.2	29,977	25.4
<b>TOTAL</b>	<b>107,907</b>	<b>100.0</b>	<b>118,009</b>	<b>100.0</b>

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

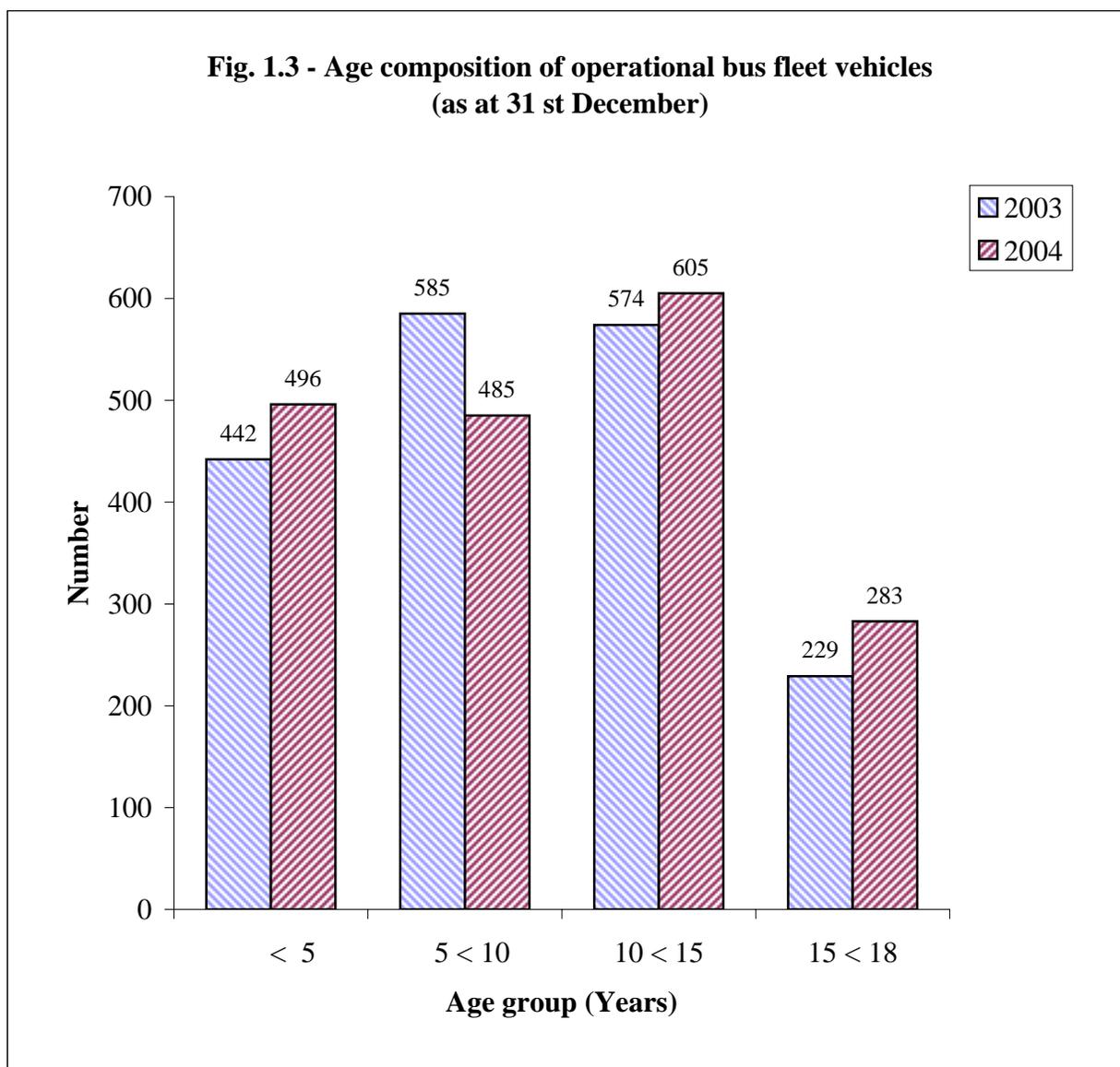


**Table 1.4 - Age composition of operational bus fleet <sup>1</sup>, 2003 - 2004**

(as at 31st December)

Age group (Years)	2003		2004	
	Number	%	Number	%
< 5	442	24.1	496	26.5
5 < 10	585	32.0	485	26.0
10 < 15	574	31.4	605	32.4
15 < 18	229	12.5	283	15.1
<b>TOTAL</b>	<b>1,830</b>	<b>100.0</b>	<b>1,869</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



**Table 2.1 - Road traffic accidents<sup>1</sup> , 2003 - 2004**

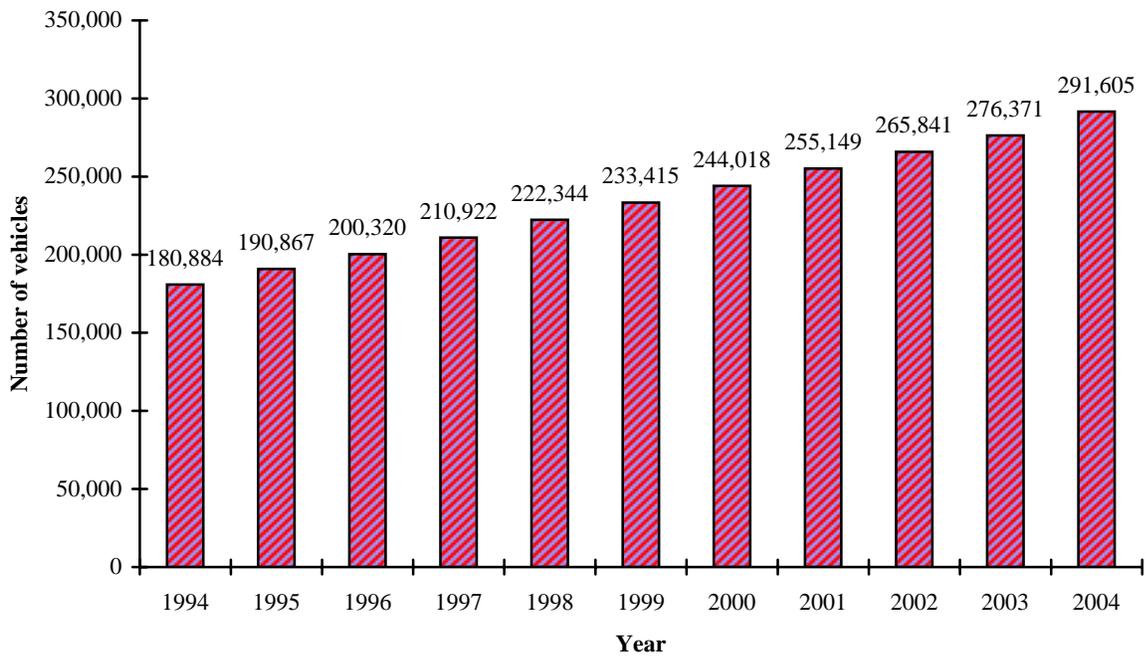
	2003	2004	Change	
			Number	%
<b>1. Road traffic accidents</b>				
Number of accidents	<b>19,178</b>	<b>19,495</b>	<b>+317</b>	<b>+1.7</b>
<i>of which</i>				
<i>Fatal accident</i> <sup>2</sup>	121	131	+10.0	+8.3
<i>Serious injury accident</i>	211	184	-27	-12.8
<i>Slight injury accident</i>	1,729	1,845	+116	+6.7
<i>Non injury accident</i>	17,117	17,335	+218	+1.3
Rate per 100,000 population	1,616	1,629	N.A	N.A
Rate per 1,000 registered motor-vehicles	72	69	N.A	N.A
<b>2. Vehicles involved</b>				
Number of vehicles involved	35,570	35,809	+239	+0.7
<i>of which</i>				
<i>Motor - vehicles</i>	35,239	35,506	+267	+0.3
Rate per 1,000 registered motor-vehicles	133	126	N.A	N.A
Number of m-vehicles involved,causing casualties	2,880	3,087	+207	+7.2
<b>3. Casualties</b>				
<b>Total number of casualties</b>	<b>2,698</b>	<b>2,951</b>	<b>+253</b>	<b>+9.4</b>
<i>of which</i>				
<i>Fatal</i> <sup>2</sup>	131	144	+13	+9.9
<i>Seriously injured</i>	291	245	-46	+15.8
<i>Slightly injured</i>	2,276	2,562	+286	+12.6

<sup>1</sup> Exclude accidents involving bicycles only

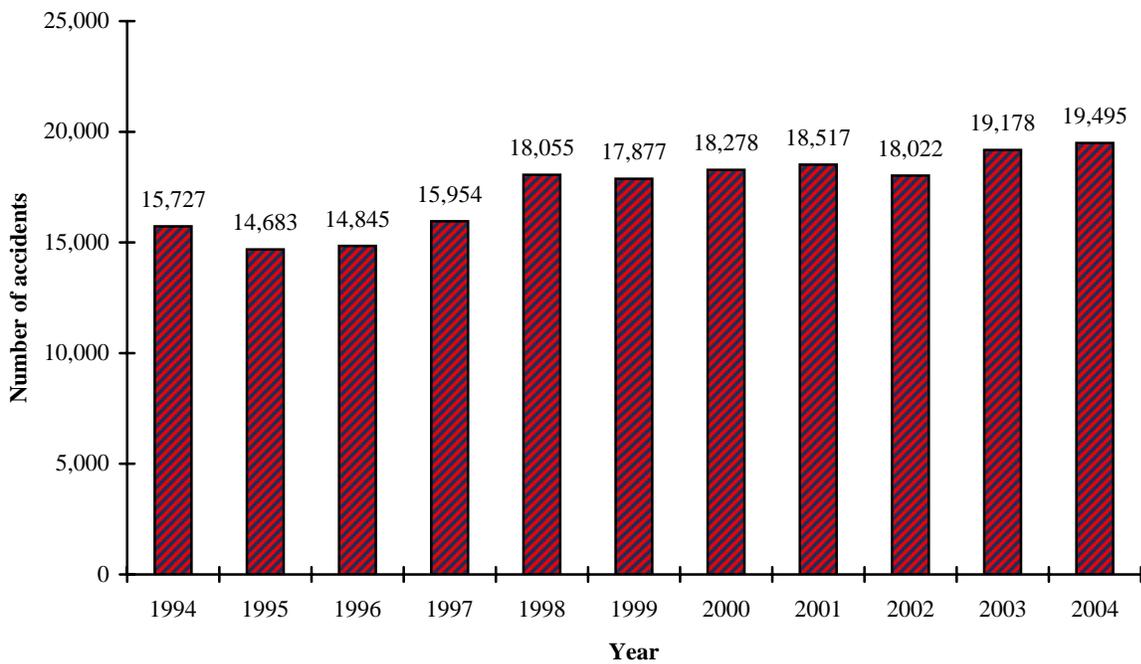
<sup>2</sup> Based on definition of fatal accidents where death occurred within 30 days.

N.A : Not applicable

**Figure. 2.1(a) - Evolution of vehicles registered, 1994 - 2004**



**Figure. 2.1(b) - Evolution of road accidents, 1994 - 2004**



**Table 2.2 - Road traffic accidents <sup>1</sup> and casualties, 1994 - 2004**

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>1. Road traffic accidents :</b>											
Number	15,727	14,683	14,845	15,954	18,055	17,877	18,278	18,517	18,022	19,178	19,495
Rate per 100,000 population	1,459	1,350	1,351	1,433	1,605	1,569	1,588	1,591	1,535	1,616	1,629
Rate per 1,000 registered motor vehicles	91	80	77	78	84	79	77	75	69	72	69
<b>2. Motor vehicle involved:</b>											
Number	27,203	25,584	26,270	28,561	32,568	32,547	33,537	33,988	33,119	35,239	35,506
Rate per 1,000 registered motor vehicles	158	139	135	140	152	144	142	137	127	133	126
<b>3. Casualties:</b>											
Total number of casualties	3,947	3,586	3,774	3,755	3,828	3,405	3,291	3,264	2,904	2,698	2,951
<i>of which</i>											
<i>Fatal<sup>2</sup></i>	154	173	153	146	162	170	163	126	158	131	144
<i>Seriously injured</i>	330	280	238	261	281	237	266	288	216	291	245
<i>Slightly injured</i>	3,463	3,133	3,383	3,348	3,385	2,998	2,862	2,850	2,530	2,276	2,562
<b>4. Fatality :</b>											
Rate per 100,000 population	14.3	15.9	13.9	13.1	14.4	14.9	14.2	10.8	13.5	11.0	12.0
Rate per 1,000 registered motor vehicles	0.9	0.9	0.8	0.7	0.8	0.8	0.7	0.5	0.6	0.5	0.5
Fatality index <sup>3</sup>	3.9	4.8	4.1	3.9	4.2	5.0	5.0	3.9	5.4	4.8	4.9

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

<sup>2</sup> 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

<sup>3</sup> Fatality index is the number of fatalities per 100 casualties.

**Table 2.3 - Vehicles<sup>1</sup> involved in accidents by type and casualty, 2003 - 2004**

Type of vehicle	2003					2004				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	52	83	765	900	28.9	63	87	850	1,000	30.3
Taxi car	6	15	152	173	5.6	4	6	132	142	4.3
Bus	12	23	191	226	7.3	13	24	191	228	6.9
Lorry	15	15	110	140	4.5	21	15	159	195	5.9
Van	38	57	414	509	16.3	33	49	450	532	16.1
Motor / auto cycle	36	82	776	894	28.7	42	80	843	965	29.3
Other motor vehicles	2	5	31	38	1.2	2	2	21	25	0.8
Total motor vehicles	161	280	2,439	2,880	92.5	178	263	2,646	3,087	93.6
Pedal cycle	19	21	194	234	7.5	13	10	185	208	6.3
Other non motor vehicles	0	0	0	0	0	0	0	2	2	0.1
All vehicles	180	301	2,633	3,114	100.0	191	273	2,833	3,297	100.0

<sup>1</sup> Only three main vehicles have been considered in accidents involving more than three vehicles

**Table 2.4 - Casualties by class of road users, 2003 - 2004**

Class of road users	2003				2004			
	Jan. - Jun.	Jul. - Dec.	Year		Jan. - Jun.	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Pedestrian	383	342	725	26.9	359	343	702	23.8
Passenger	312	381	693	25.7	459	411	870	29.5
Driver	150	145	295	10.9	166	171	337	11.4
Rider (auto / motor cycle)	400	331	731	27.1	419	392	811	27.5
Pedal cyclist	123	131	254	9.4	122	109	231	7.8
All road users	1,368	1,330	2,698	100.0	1,525	1,426	2,951	100.0

**Table 2.5 - Total road accidents involving "hit and run" cases, 2003 - 2004**

Period Accident	2003				2004			
	Jan. - Jun.	Jul. - Dec.	Year		Jan. - Jun.	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Vehicles v/s pedestrian	45	22	67	16.2	41	20	61	14.0
Vehicles v/s vehicles	170	176	346	83.8	214	160	374	86.0
<b>Total</b>	215	198	413	100.0	255	180	435	100.0