

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

Year 2002

1. Vehicles registered as at December 2002

At the end of December 2002, the number of vehicles registered at the National Transport Authority (N.T.A) was 265,841. This represents an increase of 10,692 vehicles, or 4.2 %, over the December 2001 figure of 255,149.

Between January and December 2002, some 15,026 vehicles were added to the fleet of which 52.0 % (7,817) were new, 34.6 % (5,197) were imported second-hand and the remaining 13.4 % (2,012) were re-registered vehicles previously off the road. During the same period, some 4,334 vehicles were put off the road so that the net addition to the vehicle stock was 10,692 at end December 2002. (see Table 1.1)

2. Composition of the fleet

Table 1.2 gives the composition of the fleet by type of vehicles. At the end of December 2002, around 46.2 % (122,801) were two-wheelers, 38.2 % (101,436) were cars and dual purpose vehicles while the remaining 15.6 % comprised vans (21,750), lorries and trucks (11,236), buses (2,450) and other vehicles (6,168).

3. Vehicles used for the transport of passengers

3.1 Cars and dual purpose vehicles

During the year 2002, the vehicle fleet consisted of 101,436 cars and dual purpose vehicles, i.e., 6.7 % (6,370) higher than the 2001 figure of 95,066. This increase was the result of the registration of 7,992 such vehicles (3,090 new, 4,079 imported second-hand and 823 re-registered) partly offset by 1,622 which were put off by the road.

Table 1.3 gives the age composition of cars and dual purpose vehicles. At December 2002, 33.7 % were under 5 years, 27.5 % between 5 and 10 years and the remaining 38.8 % were 10 years and above .

3.2 Buses

In December 2002, there were 2,450 registered buses of which 74.4 % (1,824) were 'public' buses operating with a Road Service License. The age distribution of the fleet of public buses as given in Table 1.4, shows that 23.1 % of the buses were under 5 years, 38.2 % between 5 and 10 years and 38.7 % were 10 years and over.

4. Road traffic accidents

Comparisons are based on figures according to the old definition of fatal accidents, i.e., causing deaths within 7 days of accidents. During the year 2002, some 18,022 road accidents were reported at police stations against 18,517 in 2001, indicating a slight decrease of 2.7 %. Among the 18,022 accidents reported, 137 were fatal, 169 caused serious injuries to the persons involved, 1,852 resulted in slight injuries and the remaining 15,864 were non-injury accidents.

Compared to 2001, the number of fatal accidents showed a significant increase of 22.3 % whilst serious-injury and slight-injury accidents registered a fall of 22.5 % and 13.7 % respectively.

The accident rate per 100,000 population declined from 1,591 in 2001 to 1,535 in 2002 whilst the rate per 1,000 registered motor vehicles moved down from 75 to 69.

5. Vehicles involved in road accidents

Table 2.3 shows the type of vehicles involved in accidents. During the year 2002, the total number

of vehicles (both motor and non-motor vehicles) involved in accidents was 33,411 compared to 34,368 in 2001. About 44.5 % of them were private cars, 21.0 % were vans and 10.9 % motor/auto cycles .

6. Casualties

The number of casualties reported in 2002 was 2,904 against 3,264 in 2001, i.e, a decrease of 11.0 %. Out of these 2,904 casualties, 151 were fatal, 223 were seriously injured and the remaining 2,530 slightly injured. Compared to 2001, although there is a decrease in the number of casualties reported, the number of fatalities (persons killed as a result of road accidents) increased by 19.8 % from 126 to 151.

The fatality rate thus increased from 10.8 in 2001 to 12.9 in 2002 per 100,000 population and from 0.5 to 0.6 per 1,000 registered motor vehicles.

Table 2.4 shows that, as in 2001, the casualties among road users in 2002 concerned mostly the riders of auto/motor cycle (29.9 %), passengers (26.5 %) and pedestrians (25.7 %).

7. Hit and run cases

In 2002, some 290 " hit and run" cases were reported at police stations against 390 in 2001. Out of the 290 cases, 89.7 % (260) involved only vehicles while the remaining 10.3 % (30) involved both vehicles and pedestrians. (Table 2.5).

Central Statistics Office

Ministry of Economic Development, Financial Services and Corporate Affairs

Port Louis

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Definitions and General Notes

A. Vehicle Statistics

1. In this report, data refer to all vehicles registered at the National Transport Authority. Pedal cycles are therefore excluded. The classification of vehicles 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 cars, dual purpose vehicles, heavy motor cars, motor cycles, lorries, vans, buses, tractors; and

(b) **non-motorised vehicles**, for example trailers.

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) **Autocycle**

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 Accident Statistics

1. **Accidents** refer to all accidents as reported at police stations.
2. **Casualties** refer to the total number of fatalities and persons injured as a result of road accidents.
3. **Fatalities:** Prior to 2002, fatalities were defined as deaths occurring within 7 days as a result of road accidents. From 1 January 2002, the definition changed to deaths occurring within 30 days as a result of road accidents.
4. **Serious injuries:** Fractures, concussions, internal crushing, severe cuts and lacerations, severe general shock requiring medical treatment.
5. **Slight injuries:** Secondary injuries such as sprains, bruises and cuts not judged to be severe.

Table 1.1 - Registration of vehicles in 2002

Type of vehicle	No. of vehicles at 31.12.01	New vehicles	Imported Second-hand vehicles	Re - registered vehicles ¹	Vehicles off the road ²	No. of vehicles at 31.12.02	Net addition
Car	58,082	2,198	3,641	559	1,173	63,307	5,225
Dual purpose vehicle	36,984	892	438	264	449	38,129	1,145
Motor cycle	25,104	859	30	319	589	25,723	619
Auto cycle	94,849	2,996	14	530	1,311	97,078	2,229
Lorry and truck	10,888	181	243	145	221	11,236	348
Van	20,694	461	768	141	314	21,750	1,056
Bus	2,408	112	2	7	79	2,450	42
Other	6,140	118	61	47	198	6,168	28
Total	255,149	7,817	5,197	2,012	4,334	265,841	10,692

¹ Refers to re-registration of vehicles previously off the road

² Unlicensed either temporarily or permanently

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Table 1.2 - Vehicles¹ registered by type, 1992 - 2002

Type of vehicle	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Car	37,696	39,511	41,355	43,288	45,563	48,390	51,051	52,892	54,911	58,082	63,307
(of which taxi car)	(4,014)	(4,050)	(4,311)	(4,439)	(4,673)	(4,721)	(4,761)	(4,905)	(5,039)	(5,318)	(5,801)
Dual purpose vehicle	16,246	17,882	20,023	22,086	24,382	27,050	29,527	32,262	34,912	36,984	38,129
Heavy motor car	799	826	848	898	922	934	945	934	916	923	944
Motor cycle	16,880	18,829	20,461	21,492	22,230	22,839	23,577	24,125	24,523	25,104	25,723
Auto cycle	60,859	66,711	72,509	76,317	79,524	82,567	85,566	88,821	91,955	94,849	97,078
Lorry and truck	7,776	8,166	8,559	8,815	9,058	9,356	9,750	10,138	10,485	10,888	11,236
Van	8,749	9,663	10,292	10,851	11,434	12,469	14,508	16,814	18,807	20,694	21,750
Bus	2,097	2,217	2,276	2,362	2,348	2,359	2,367	2,344	2,394	2,408	2,450
Tractor and dumper	2,356	2,413	2,478	2,546	2,580	2,615	2,627	2,630	2,645	2,683	2,683
Prime mover	212	228	249	256	262	278	297	315	322	335	349
Trailer	1,288	1,333	1,428	1,534	1,597	1,640	1,703	1,719	1,726	1,776	1,770
Road roller	100	106	106	107	106	108	105	102	100	100	101
Other	262	273	300	315	314	317	321	319	322	323	321
TOTAL	155,320	168,158	180,884	190,867	200,320	210,922	222,344	233,415	244,018	255,149	265,841

Table 1.3 - Age composition of cars and dual purpose vehicles , 2001 - 2002

Age group (Years)	31 December 2001		31 December 2002	
	Number	%	Number	%
< 5	33,357	35.1	34,183	33.7
5 < 10	24,812	26.1	27,858	27.5
10 < 15	12,591	13.2	12,921	12.7
>= 15	24,306	25.6	26,474	26.1
TOTAL	95,066	100.0	101,436	100.0

Table 1.4 - Age composition of operational bus fleet¹, 2001 - 2002

Age group (Years)	31 December 2001		31 December 2002	
	Number	%	Number	%
< 5	418	23.3	421	23.1
5 < 10	750	41.9	697	38.2
10 < 15	561	31.3	564	30.9
15 < 18	62	3.5	142	7.8
TOTAL	1,791	100.0	1,824	100.0

Table 2.1 - Road traffic accidents¹ , 2001 - 2002

	2001 ²	2002 ²	2002 ³	Change ²	
				Number	%
1. Road traffic accidents					
Number of accidents	18,517	18,022	18,022	-495	-2.7
Fatal accident	112	137	144	+25	+22.3
Serious injury accident	218	169	162	-49	-22.5
Slight injury accident	2,147	1,852	1,852	-295	-13.7
Non injury accident	16,040	15,864	15,864	-176	-1.1
Rate per 100,000 population	1,591	1,535	1,535	N.A ⁴	N.A ⁴
Rate per 1,000 registered motor-vehicles	75	69	69	N.A ⁴	N.A ⁴
2. Motor- vehicles involved					
Number of vehicles involved	33,988	33,119	33,119	-869	-2.6
Rate per 1,000 registered motor-vehicles	137	127	127	N.A ⁴	N.A ⁴
3. Casualties					
Total number of casualties	3,264	2,904	2,904	-360	-11.0
Fatal	126	151	158	+25	+19.8
Seriously injured	288	223	216	-65	-22.6
Slightly injured	2,850	2,530	2,530	-320	-11.2

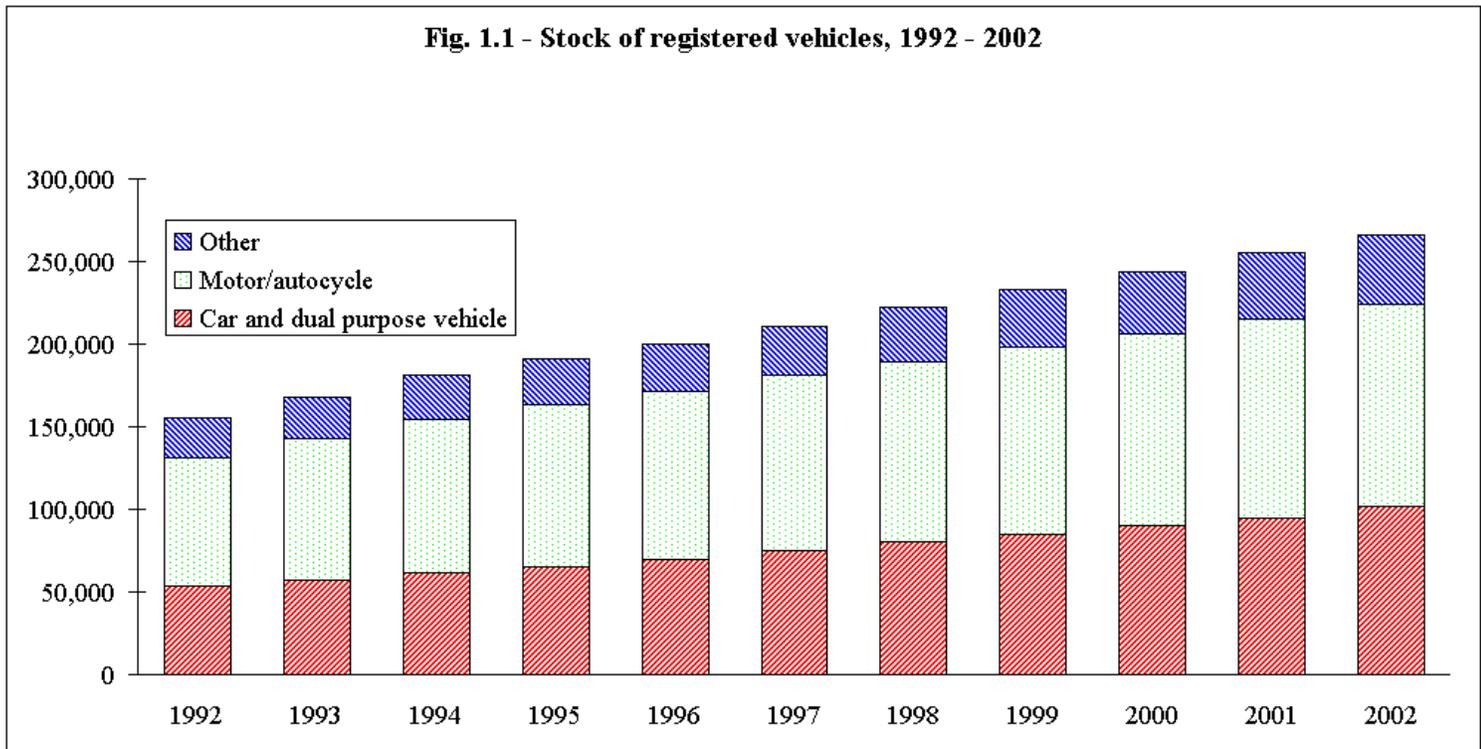
¹ Exclude accidents involving bicycles only

² Based on old definition of fatal accidents (causing deaths within 7 days of road accidents)

³ Based on new definition of fatal accidents (causing deaths within 30 days of road accidents)

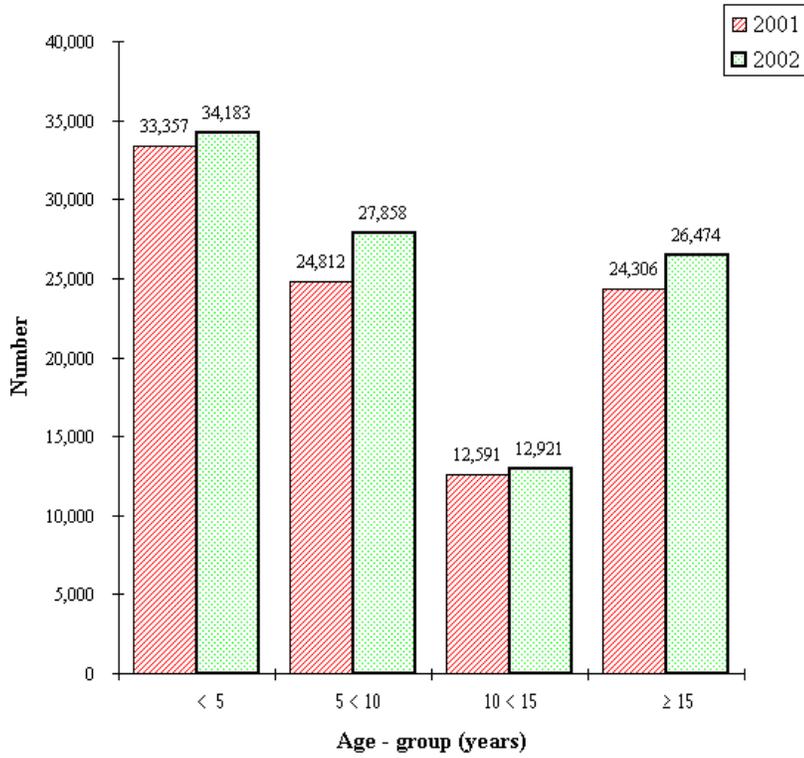
⁴ N.A : Not applicable

Fig. 1.1 - Stock of registered vehicles, 1992 - 2002



Type of vehicle	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Car and dual purpose vehicle	53,942	57,393	61,378	65,374	69,945	75,440	80,578	85,154	89,823	95,066	101,436
Motor cycle and autocycle	77,739	85,540	92,970	97,809	101,754	105,406	109,143	112,946	116,478	119,953	122,801
Other	23,639	25,225	26,536	27,684	28,621	30,076	32,623	35,315	37,717	40,130	41,604
Total	155,320	168,158	180,884	190,867	200,320	210,922	222,344	233,415	244,018	255,149	265,841

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



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

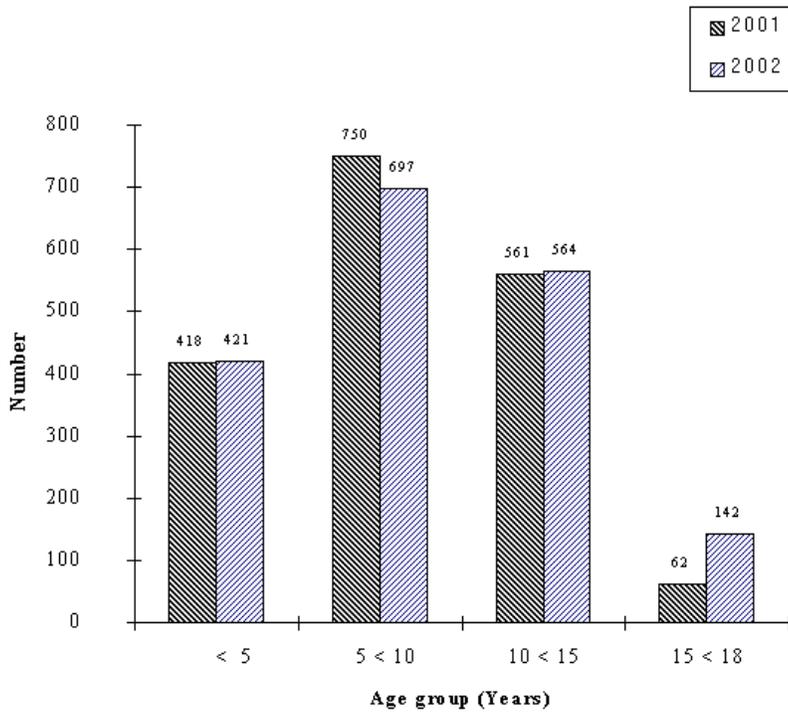


Table 2.2 - Road traffic accidents¹ and casualties , 1992 - 2002

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
1. Road traffic accidents:											
Number	14,371	14,562	15,727	14,683	14,845	15,954	18,055	17,877	18,278	18,517	18,022
Rate per 100,000 Population	1,369	1,370	1,459	1,350	1,351	1,433	1,605	1,569	1,588	1,591	1,535
Rate per 1,000 registered motor vehicles	97	91	91	80	77	78	84	79	77	75	69
2. Motor vehicles involved :											
Number	24,549	25,240	27,203	25,584	26,270	28,561	32,568	32,547	33,537	33,988	33,119
Rate per 1,000 registered motor vehicles	167	158	158	139	135	140	152	144	142	137	127
3. Casualties :											
Total number of casualties	4,395	4,160	3,947	3,586	3,774	3,755	3,828	3,405	3,291	3,264	2,904
Fatal ²	119	157	154	173	153	146	162	170	163	126	151
Seriously injured ²	378	322	330	280	238	261	281	237	266	288	223
Slightly injured	3,898	3,681	3,463	3,133	3,383	3,348	3,385	2,998	2,862	2,850	2,530
4. Fatality :											
Rate per 100,000 population	11.3	14.8	14.3	15.9	13.9	13.1	14.4	14.9	14.2	10.8	12.9
Rate per 1,000 registered motor vehicles	0.8	1.0	0.9	0.9	0.8	0.7	0.8	0.8	0.7	0.5	0.6
Index³	2.7	3.8	3.9	4.8	4.1	3.9	4.2	5.0	5.0	3.9	5.2

¹ Exclude accidents involving bicycles only

² Based on old definition of fatal accidents (causing deaths within 7 days of road accident). However, with the new definition of fatal accidents (causing deaths within 30 days of road accidents), for the year 2002, the number of persons killed and seriously injured were 158 and 216 respectively.

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

Figure. 2.1 - Evolution of vehicles registered, 1992 - 2002

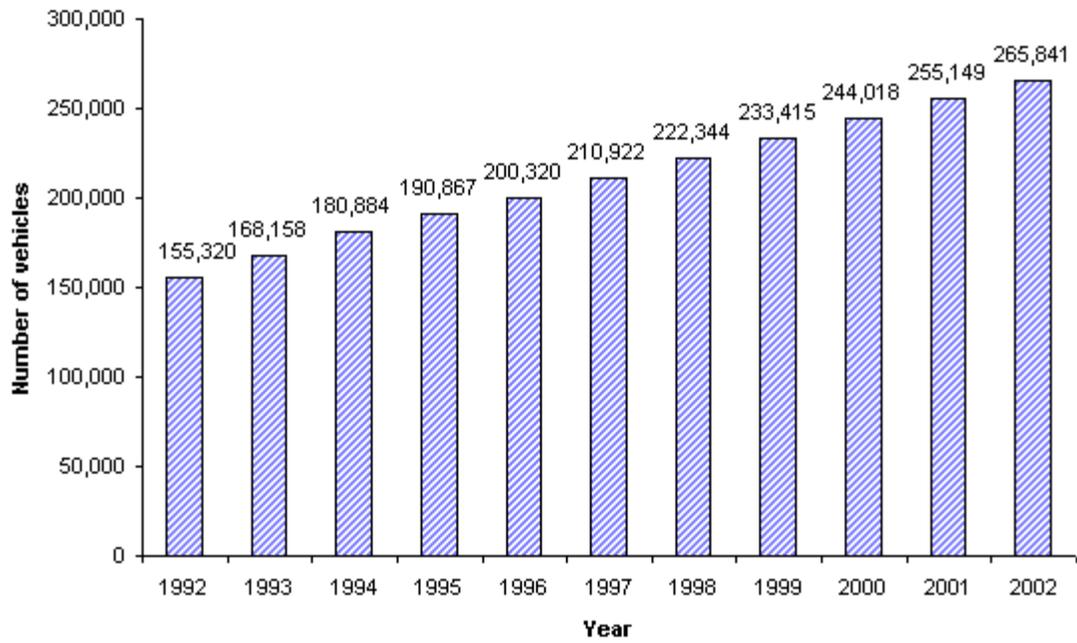


Figure. 2.2 - Evolution of road accidents, 1992 - 2002

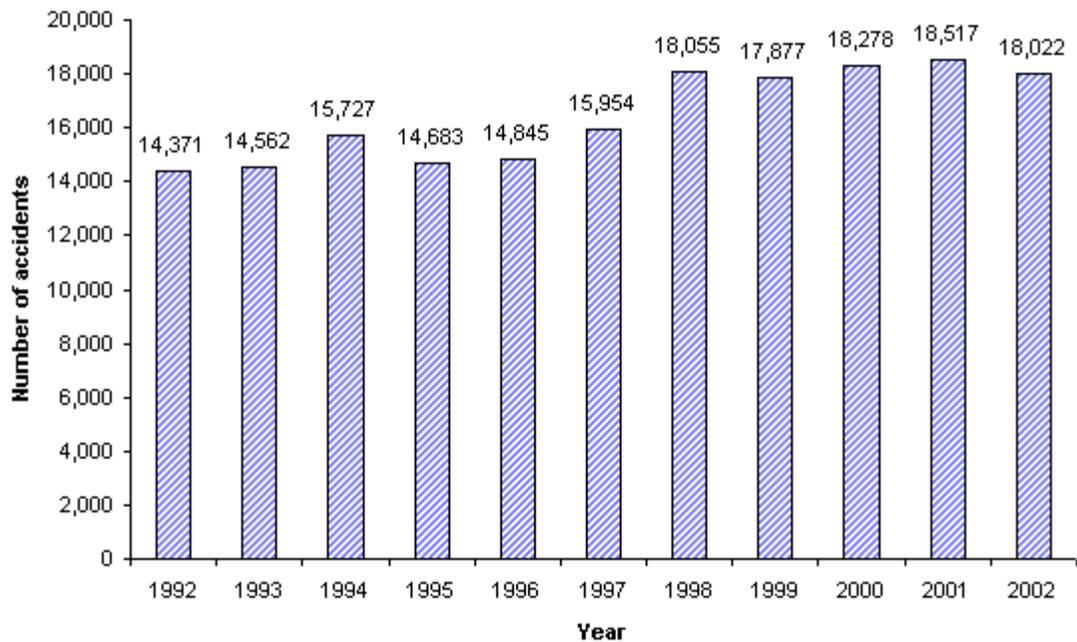


Table 2.3 - Vehicles¹ involved in accidents by type, 2001 - 2002

Type of vehicle	2001						2002					
	Jan. - June		Jul. - Dec.		Year		Jan. - June		Jul. - Dec.		Year	
	Number	%										
Private car	7,615	45.4	7,812	44.4	15,427	44.9	7,398	44.6	7,454	44.3	14,852	44.5
Taxi car	1,398	8.3	1,532	8.7	2,930	8.5	1,476	8.9	1,445	8.6	2,921	8.7
Bus	1,180	7.0	1,194	6.8	2,374	6.9	1,224	7.4	1,196	7.1	2,420	7.2
Lorry	1,011	6.0	1,049	6.0	2,060	6.0	852	5.1	1,130	6.7	1,982	5.9
Van	3,407	20.3	3,633	20.7	7,040	20.5	3,518	21.2	3,487	20.7	7,005	21.0
Motor/auto cycle	1,831	10.9	1,991	11.3	3,822	11.1	1,824	10.9	1,832	10.9	3,656	10.9
Other motor vehicle	151	0.9	184	1.0	335	1.0	147	0.9	136	0.8	283	0.9
Total motor vehicles	16,593	98.8	17,395	98.9	33,988	98.9	16,439	99.0	16,680	99.1	33,119	99.1
Pedal cycle	169	1.0	173	1.0	342	1.0	144	0.9	131	0.8	275	0.8
Other non motor vehicle	25	0.2	13	0.1	38	0.1	2	0.1	15	0.1	17	0.1
All vehicles	16,787	100.0	17,581	100.0	34,368	100.0	16,585	100.0	16,826	100.0	33,411	100.0

¹ Only three main vehicles have been considered in accidents involving more than three vehicles

Table 2.4 - Casualties by class of road users, 2001 - 2002

Class of road users	2001				2002			
	Jan. - June	Jul. - Dec.	Year		Jan - June	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Pedestrian	373	461	834	25.6	381	364	745	25.7
Passenger	366	398	764	23.4	420	350	770	26.5
Driver	155	187	342	10.5	153	143	296	10.2
Rider (auto / motor cycle)	503	539	1,042	31.9	442	426	868	29.9
Pedal cyclist	134	148	282	8.6	115	110	225	7.7
All road users	1,531	1,733	3,264	100.0	1,511	1,393	2,904	100.0

Table 2.5 - Total road accidents involving "hit and run" cases, 2001 - 2002

Period \ Accident	2001				2002			
	Jan. - Jun.	Jul. - Dec.	Year		Jan. - Jun.	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Vehicles v/s pedestrian	22	25	47	12.1	11	19	30	10.3
Vehicles v/s vehicles	189	154	343	87.9	120	140	260	89.7
Total	211	179	390	100.0	131	159	290	100.0