

Road Transport and Road Traffic Accident Statistics (Island of Mauritius) Year 2001

1. Vehicles registered as at December 2001

At the end of December 2001, the number of vehicles registered with the National Transport Authority (N.T.A) was 255,149. This shows an increase of 11,131 vehicles (4.6 %) from 244,018 at the end of December 2000.

Between January and December 2001, the fleet was strengthened with the registration of some 15,461 vehicles, of which 56.6 % (8,754) were new, 25.5 % (3,938) were imported second-hand and the remaining 17.9 % (2,769) consisted of re-registered vehicles previously out of circulation. However, during the same period, about 4,330 vehicles were put off the road so that the effective addition to the fleet during 2001 was 11,131 vehicles (Table 1.1).

2. Composition of the fleet

Table 1.2 gives the composition of the fleet by type of vehicles. This shows that at the end of December 2001, around 47.0 % (119,953) of all registered vehicles were motorized two-wheelers, 37.3 % (95,066) were cars and dual purpose vehicles while the remaining 15.7 % comprised vans (20,694), lorries and trucks (10,888), buses (2,408) and other vehicles (6,140).

3. Vehicles used for the transport of passengers

3.1 *Cars and dual purpose vehicles*

During the year 2001, some 6,771 cars and dual purpose vehicles (3,111 new, 2,645 imported second-hand and 1,015 re-registered) were registered, while around 1,528 were put off the road. This resulted in a net increase of 5,243 (5.8%) which brought the total number of cars and dual purpose vehicles to 95,066 in December 2001.

The age composition of cars and dual purpose vehicles is given in Table 1.3. This shows that 35.1 % of the fleet were under 5 years, 26.1 % between 5 and 10 years and the remaining 38.8 % were 10 years and above in December 2001.

3.2 Buses

In December 2001, there were 2,408 registered buses of which 74.4 % (1,791) were 'public' buses operating with a Road Service License. The age distribution of the fleet of public buses (Table 1.4) shows that 23.3 % of the buses were under 5 years, 41.9 % between 5 and 10 years and 34.8 % were 10 years and over.

4. Road traffic accidents

During the year 2001, some 18,517 road accidents were reported at police stations against 18,278 in 2000, i.e. showing an increase of 1.3 %. Of these accidents, 112 accidents were fatal, 218 caused serious injuries to the persons involved, 2,147 resulted in slight injuries and the remaining 16,040 were non-injury accidents.

Compared to year 2000, the number of fatal accidents decreased by 24.3 % whilst serious-injury and slight-injury accidents increased by 14.1 % and 3.2 % respectively.

The accident rate was 1,591 accidents per 100,000 population or 75 per 1,000 registered motor vehicles in 2001. The corresponding rates for 2000 were 1,588 and 77 respectively.

5. Vehicles involved in road accidents

During the year 2001, the total number of vehicles (both motor and non-motor vehicles) involved in road accidents was 34,368 compared to 33,917 in 2000 (Table 2.3). Nearly 77% of all vehicles involved were private cars (44.9%), vans (20.5%) or motor/auto cycles (11.1 %).

6. Casualties

The number of casualties reported in 2001 was 3,264 against 3,291 in 2000, i.e. down by 0.8% (Table 2.1). Among these, 126 were fatal, 288 were seriously injured and the remaining 2,850 slightly injured.

The number of fatalities declined from 163 in 2000 to 126 in 2001. The fatality rate thus decreased from 14.2 to 10.8 per 100,000 population and from 0.7 to 0.5 per 1,000 registered motor vehicles.

The most vulnerable road users in 2001 were riders of auto/motor cycle (31.9 %), pedestrians (25.6 %) and passengers (23.4%) accounting for nearly 81 % of all casualties as shown in Table 2.4.

7. Hit and run cases

During the year 2001, some 390 "hit and run" cases were reported at police stations. Among them, 87.9 % (343) involved only vehicles while the remaining 12.1% (47) involved both vehicles and pedestrians (Table 2.5).

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Definitions and General Notes

A. Vehicle Statistics

- I. 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 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) **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:** Total number of fatalities and persons injured as a result of road accidents.
- 3. Fatalities:** Deaths occurring within seven 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.

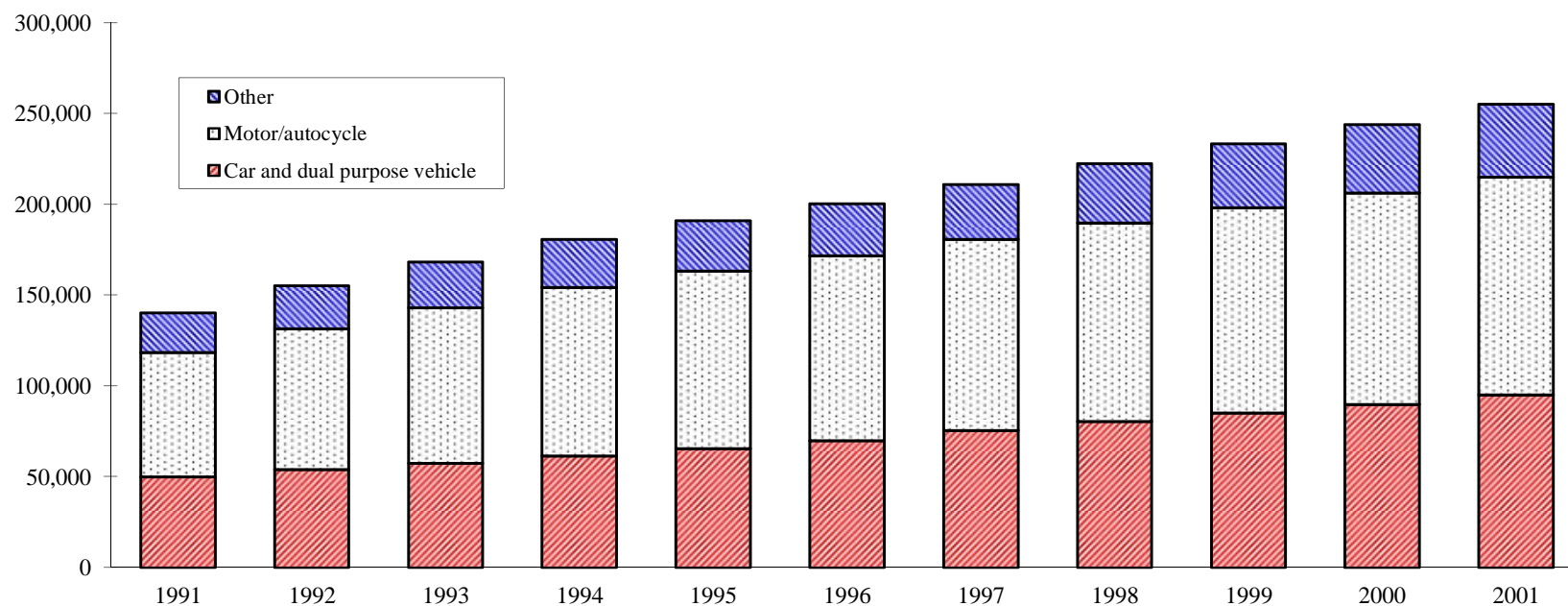
Table 1.1 - Registration of vehicles in 2001

Type of vehicle	No. of vehicles as at 31.12.00	New vehicles	Imported second-hand vehicles	Re - registered vehicles ¹	Vehicles off the road ²	No. of vehicles as at 31.12.01	Net addition
Car	54,911	1,741	1,904	636	1,110	58,082	3,171
Dual purpose vehicle	34,912	1,370	741	379	418	36,984	2,072
Motor cycle	24,523	786	24	369	598	25,104	581
Auto cycle	91,955	3,294	14	985	1,399	94,849	2,894
Lorry and truck	10,485	206	274	149	226	10,888	403
Van	18,807	1,109	895	173	290	20,694	1,887
Bus	2,394	102	1	1	90	2,408	14
Other	6,031	146	85	77	199	6,140	109
Total	244,018	8,754	3,938	2,769	4,330	255,149	11,131

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

² Unlicensed either temporarily or permanently

Figure 1.1 - Stock of registered vehicles, 1991 - 2001



Type of vehicle	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Car and dual purpose vehicle	50,016	53,942	57,393	61,378	65,374	69,945	75,440	80,578	85,154	89,823	95,066
Motor cycle and autocycle	68,574	77,739	85,540	92,970	97,809	101,754	105,406	109,143	112,946	116,478	119,953
Other	21,664	23,639	25,225	26,536	27,684	28,621	30,076	32,623	35,315	37,717	40,130
Total	140,254	155,320	168,158	180,884	190,867	200,320	210,922	222,344	233,415	244,018	255,149

Table 1.2 - Vehicles¹ registered by type, 1991 - 2001

Type of vehicle	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Car (of which taxi car)	35,673 (3,965)	37,696 (4,014)	39,511 (4,050)	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)
Dual purpose vehicle	14,343	16,246	17,882	20,023	22,086	24,382	27,050	29,527	32,262	34,912	36,984
Heavy motor car	766	799	826	848	898	922	934	945	934	916	923
Motor cycle	14,740	16,880	18,829	20,461	21,492	22,230	22,839	23,577	24,125	24,523	25,104
Auto cycle	53,834	60,859	66,711	72,509	76,317	79,524	82,567	85,566	88,821	91,955	94,849
Lorry and truck	7,226	7,776	8,166	8,559	8,815	9,058	9,356	9,750	10,138	10,485	10,888
Van	7,602	8,749	9,663	10,292	10,851	11,434	12,469	14,508	16,814	18,807	20,694
Bus	2,021	2,097	2,217	2,276	2,362	2,348	2,359	2,367	2,344	2,394	2,408
Tractor and dumper	2,274	2,356	2,413	2,478	2,546	2,580	2,615	2,627	2,630	2,645	2,683
Prime mover	197	212	228	249	256	262	278	297	315	322	335
Trailer	1,231	1,288	1,333	1,428	1,534	1,597	1,640	1,703	1,719	1,726	1,776
Road roller	96	100	106	106	107	106	108	105	102	100	100
Other	251	262	273	300	315	314	317	321	319	322	323
TOTAL	140,254	155,320	168,158	180,884	190,867	200,320	210,922	222,344	233,415	244,018	255,149

¹ Excluding pedal cycles but including government vehicles

Table 1.3 - Age composition of cars and dual purpose vehicles , 2000 - 2001

Age group (Years)	31 December 2000		31 December 2001	
	Number	%	Number	%
< 5	31,749	35.4	33,357	35.1
5 < 10	23,385	26.0	24,812	26.1
10 < 15	12,118	13.5	12,591	13.2
≥ 15	22,571	25.1	24,306	25.6
TOTAL	89,823	100	95,066	100.0

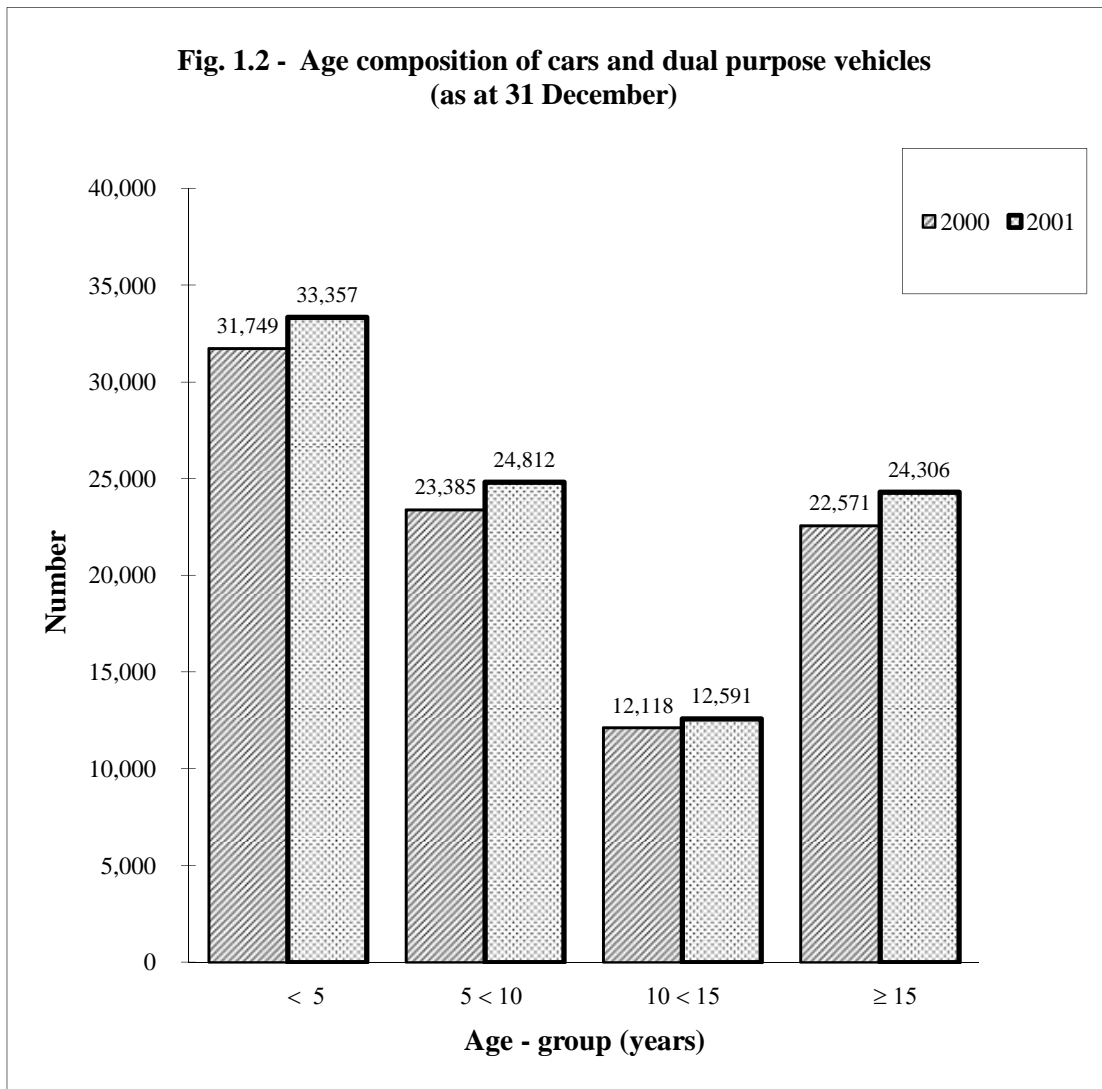


Table 1.4 - Age composition of operational bus fleet ¹, 2000 - 2001

Age group (Years)	31 December 2000		31 December 2001	
	Number	%	Number	%
< 5	413	23.3	418	23.3
5 < 10	776	43.8	750	41.9
10 < 15	521	29.5	561	31.3
15 < 18	60	3.4	62	3.5
TOTAL	1,770	100	1,791	100.0

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

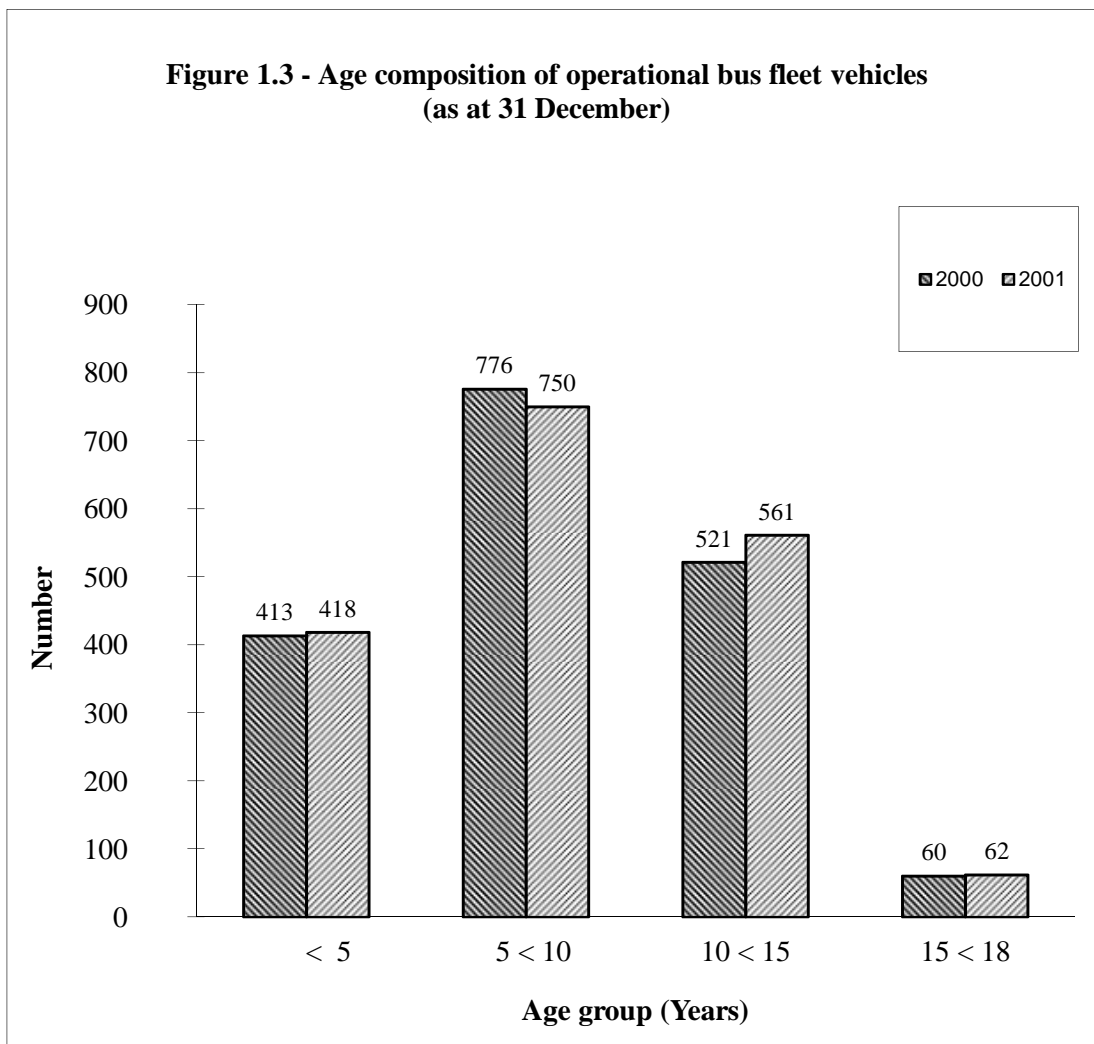


Table 2.1 - Road traffic accidents¹, 2000 - 2001

	2000	2001	Change	
			Number	%
1. Road traffic accidents				
Number of accidents	18,278	18,517	+ 239	+1.3
Fatal accident	148	112	-36	-24.3
Serious injury accident	191	218	+ 27	+14.1
Slight injury accident	2,081	2,147	+ 66	+3.2
Non injury accident	15,858	16,040	+ 182	+1.1
Rate per 100,000 population	1588 ²	1,591	N.A ³	N.A ³
Rate per 1,000 registered motor-vehicles	77	75	N.A ³	N.A ³
2. Motor- vehicles involved				
Number of vehicles involved	33,537	33,988	+ 451	+1.3
Rate per 1,000 registered motor-vehicles	142	137	N.A ³	N.A ³
3. Casualties				
Total number of casualties	3,291	3,264	-27	-0.8
Fatal	163	126	-37	-22.7
Seriously injured	266	288	+22	+8.3
Slightly injured	2,862	2,850	-12	-0.4

¹ Exclude accidents involving bicycles only

² Revised

³ N.A : Not applicable

Table 2.2 - Road traffic accidents ¹ and casualties , 1991 - 2001

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
1. Road traffic accidents:											
Number	13,439	14,371	14,562	15,727	14,683	14,845	15,954	18,055	17,877	18,278	18,517
Rate per 100,000 Population	<i>1,297</i>	<i>1,369</i>	<i>1,378</i>	<i>1,459</i>	<i>1,350</i>	<i>1,351</i>	<i>1,434</i>	<i>1,605</i>	<i>1,570</i>	<i>1,588</i>	<i>1,591</i>
Rate per 1,000 registered motor vehicles	<i>103</i>	<i>97</i>	<i>91</i>	<i>91</i>	<i>80</i>	<i>77</i>	<i>78</i>	<i>84</i>	<i>79</i>	<i>77</i>	<i>75</i>
2. Motor vehicles involved :											
Number	22,835	24,549	25,240	27,203	25,584	26,270	28,561	32,568	32,547	33,537	33,988
Rate per 1,000 registered motor vehicles	<i>175</i>	<i>167</i>	<i>158</i>	<i>158</i>	<i>139</i>	<i>135</i>	<i>140</i>	<i>152</i>	<i>144</i>	<i>142</i>	<i>137</i>
3. Casualties :											
Total number of casualties	4,025	4,395	4,160	3,947	3,586	3,774	3,755	3,828	3,405	3,291	3,264
Fatal	168	119	157	154	173	153	146	162	170	163	126
Seriously injured	296	378	322	330	280	238	261	281	237	266	288
Slightly injured	3,561	3,898	3,681	3,463	3,133	3,383	3,348	3,385	2,998	2,862	2,850
4. Fatality :											
Rate per 100,000 population	<i>16.2</i>	<i>11.3</i>	<i>14.8</i>	<i>14.3</i>	<i>15.9</i>	<i>13.9</i>	<i>13.1</i>	<i>14.4</i>	<i>14.9</i>	<i>14.2</i>	<i>10.8</i>
Rate per 1,000 registered motor vehicle	<i>1.3</i>	<i>0.8</i>	<i>1.0</i>	<i>0.9</i>	<i>0.9</i>	<i>0.8</i>	<i>0.7</i>	<i>0.8</i>	<i>0.8</i>	<i>0.7</i>	<i>0.5</i>
Index ²	<i>4.2</i>	<i>2.7</i>	<i>3.8</i>	<i>3.9</i>	<i>4.8</i>	<i>4.1</i>	<i>3.9</i>	<i>4.2</i>	<i>5.0</i>	<i>5.0</i>	<i>3.9</i>

¹ Exclude accidents involving bicycles only

² Fatality index is the number of fatalities per 100 casualties

Table 2.3 - Vehicles¹ involved in accidents by type, 2000 - 2001

Type of vehicle	2000						2001					
	Jan. - June		Jul. - Dec.		Year		Jan. - June		Jul. - Dec.		Year	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Private car	7,766	46.8	7,908	45.7	15,674	46.2	7,615	45.4	7,812	44.4	15,427	44.9
Taxi car	1,412	8.5	1,419	8.2	2,831	8.3	1,398	8.3	1,532	8.7	2,930	8.5
Bus	1,100	6.6	1,144	6.6	2,244	6.6	1,180	7.0	1,194	6.8	2,374	6.9
Lorry	943	5.7	1,152	6.7	2,095	6.2	1,011	6.0	1,049	6.0	2,060	6.0
Van	3,189	19.2	3,397	19.6	6,586	19.4	3,407	20.3	3,633	20.7	7,040	20.5
Motor/auto cycle	1,901	11.5	1,915	11.1	3,816	11.3	1,831	10.9	1,991	11.3	3,822	11.1
Other motor vehicles	109	0.7	182	1.1	291	0.9	151	0.9	184	1.0	335	1.0
Total motor vehicles	16,420	98.9	17,117	98.8	33,537	98.9	16,593	98.8	17,395	98.9	33,988	98.9
Pedal cycle	160	1.0	191	1.1	351	1.0	169	1.0	173	1.0	342	1.0
Other non motor vehicles	17	0.1	12	0.1	29	0.1	25	0.1	13	0.1	38	0.1
All vehicles	16,597	100.0	17,320	100.0	33,917	100.0	16,787	100.0	17,581	100.0	34,368	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, 2000 - 2001

Class of road users	2000				2001			
	Jan. - Jun.	Jul. - Dec.	Year		Jan. - Jun.	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Pedestrian	380	464	844	25.6	373	461	834	25.6
Passenger	426	485	911	27.7	366	398	764	23.4
Driver	132	185	317	9.6	155	187	342	10.5
Rider (auto / motor cycle)	462	502	964	29.3	503	539	1,042	31.9
Pedal cyclist	105	150	255	7.8	134	148	282	8.6
All road users	1,505	1,786	3,291	100.0	1,531	1,733	3,264	100.0

Table 2.5 - Road accidents involving "hit and run" cases, 2000 - 2001

Period Accident	2000				2001			
	Jan. - Jun.	Jul. - Dec.	Year		Jan. - Jun.	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Vehicles v/s pedestrian	12	20	32	10.2	22	25	47	12.1
Vehicles v/s vehicles	160	122	282	89.8	189	154	343	87.9
Total	172	142	314	100.0	211	179	390	100.0