

Road Transport and Road Traffic Accident Statistics (Island of Mauritius) Year 2000

1. Vehicles registered as at December 2000

The number of vehicles registered with the National Transport Authority (N.T.A) as at end December 2000 was 244,018. This shows a net increase of 10,603 vehicles (5%) as compared to December 1999 when the number of registered vehicles stood at 233,415.

The composition of the fleet by type of vehicles shows that around 48% (116,478) were motorized two-wheelers, 37% (89,823) were cars and dual purpose vehicles while the remaining 15% comprised vans (18,807), lorries and trucks (10,485), buses (2,394) and other vehicles (6,031). (Table 1.2)

2. Net increase during 2000

Between January and December 2000, the fleet was strengthened with the registration of some 14,890 vehicles, of which 65% (9,633) were new, 16% (2,474) were imported second-hand and the remaining 19% (2,783) consisted of re-registered vehicles. However, during the same period about 4,287 vehicles were put off the road, so that the effective addition to the fleet during 2000 was 10,603 vehicles. (Table 1.1)

3. Vehicles used for the transport of passengers

3.1 *Cars and dual purpose vehicles*

During the year 2000, some 6,214 cars and dual purpose vehicles (3,615 new, 1,585 imported second-hand and 1,014 re-registered) were registered, while around 1,545 were put off the road. This, net increase of 4,669 (5.5%) brought the total number of cars and dual purpose vehicles to 89,823 in December 2000.

Table 1.3 shows that 35 % of the fleet were under 5 years, 26 % between 5 and 10 years and the remaining 39 % were 10 years and above.

3.2 *Buses*

Out of 2,394 buses, 1,770 (74%) 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 % of the buses were under 5 years, 44 % between 5 and 10 and 33 % were 10 years and over.

4. Road traffic accidents

The number of road accidents reported at police stations, during the year 2000 showed an increase of 2.2 % , from 17,877 in 1999 to 18,278 in 2000. Consequently, the rate of accidents went up from 1,570 to 1,589 per 100,000 population and the rate per 1,000 registered motor vehicles decreased from 79 to 77.

The majority of accidents (15,858 or 87%) did not entail any injury to the persons involved; another 2,081 resulted in only slight injuries, while 191 caused serious injuries and 148 were fatal. Compared to 1999 a decrease of 3.9 % is noted in “fatal cases”. Similarly the other two types, i.e. “serious injury” cases and “slight injury” cases, showed decreases of 2.6 % and 7.1 % respectively.

5. Vehicles involved in road accidents

The total number of vehicles involved in road accidents during 2000 numbered 33,917 as compared to 32,995 in 1999.

The number of motor vehicles involved in accidents (98.9 % of total vehicles involved) increased slightly (3%) from 32,547 in 1999 to 33,537 in 2000. Private cars, vans and motor/auto cycles together accounted for nearly 77 % of all vehicles involved representing 46.2 %, 19.4% and 11.3% respectively. More details are given in table 2.3.

6. Casualties

The total number of casualties reported, declined by 3.4% from 3,405 in 1999 to 3,291 in 2000 (Table 2.4). Out of these, 163 were fatal cases, 266 were seriously injured and the remaining 2,862 were only slightly injured. The fatality rate per 100,000 population fell from 14.9 in 1999 to reach 14.2 in 2000. The fatality rate per 1,000 registered motor vehicles, went down from 0.8 in 1999 to 0.7 in 2000.

The most vulnerable road users were riders of motor cycles/auto cycles, passengers and pedestrians, accounting for 29.3%, 27.7% and 25.6% of total casualties respectively.

7. Hit and run cases

There were 314 "hit and run" cases reported at police stations in 2000. Of these 282 involved only vehicles while the remaining 32 involved vehicles and pedestrians.

**Central Statistical Office
Ministry of Economic Development, Financial Services and Corporate Affairs
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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, and
 - (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:

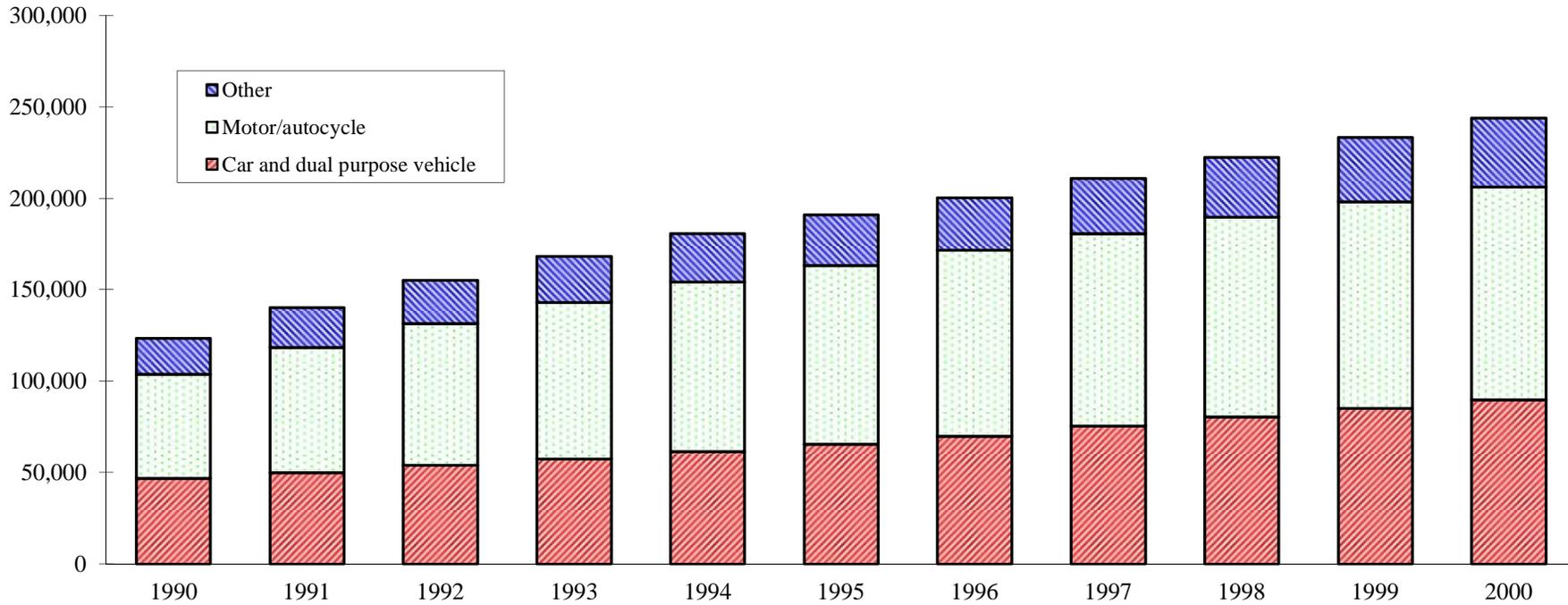
1. **Accidents** refer to all accidents as reported at police stations.
2. **Casualties refer** to the total number of fatalities and persons injured as a result of road accident.
3. **Fatal:** Death occurring within seven days as a result of the accident.
4. **Serious injuries:** Fracture, concussion, 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 - Registration of vehicles in 2000

Type of vehicle	No. of vehicles at 31.12.99	New vehicles	Used imported vehicles	Re - registered vehicles	Vehicles off the road ¹	No. of vehicles at 31.12.00	Net addition
Car	52,892	1,675	834	669	1,159	54,911	+ (2,019)
Dual purpose vehicle	32,262	1,940	751	345	386	34,912	+ (2,650)
Motor cycle	24,125	592	19	362	575	24,523	+ (398)
Auto cycle	88,821	3,493	12	1,013	1,384	91,955	+ (3,134)
Lorry and truck	10,138	209	234	128	224	10,485	+ (347)
Van	16,814	1,500	577	196	280	18,807	+ (1,993)
Bus	2,344	133	--	3	86	2,394	+ (50)
Other	6,019	91	47	67	193	6,031	+ (12)
Total	233,415	9,633	2,474	2,783	4,287	244,018	+ (10,603)

¹ Unlicensed either temporarily or permanently

Fig. 1.1 - Stock of registered vehicles, 1990 - 2000



Type of vehicle	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Car and dual purpose vehicle	46,793	50,016	53,942	57,393	61,378	65,374	69,945	75,440	80,578	85,154	89,823
Motor cycle and autocycle	57,094	68,574	77,739	85,540	92,970	97,809	101,754	105,406	109,143	112,946	116,478
Other	19,658	21,664	23,639	25,225	26,536	27,684	28,621	30,076	32,623	35,315	37,717
Total	123,545	140,254	155,320	168,158	180,884	190,867	200,320	210,922	222,344	233,415	244,018

Table 1.2 - Vehicles¹ registered , 1990 - 2000

Type of vehicle	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Car <i>(of which taxi car)</i>	33,916 <i>(3,715)</i>	35,673 <i>(3,965)</i>	37,696 <i>(4,014)</i>	39,511 <i>(4,050)</i>	41,355 <i>(4,311)</i>	43,288 <i>(4,439)</i>	45,563 <i>(4,673)</i>	48,390 <i>(4,721)</i>	51,051 <i>(4,761)</i>	52,892 <i>(4,905)</i>	54,911 <i>(5,039)</i>
Dual purpose vehicle	12,877	14,343	16,246	17,882	20,023	22,086	24,382	27,050	29,527	32,262	34,912
Heavy motor car	695	766	799	826	848	898	922	934	945	934	916
Motor cycle	11,937	14,740	16,880	18,829	20,461	21,492	22,230	22,839	23,577	24,125	24,523
Auto cycle	45,157	53,834	60,859	66,711	72,509	76,317	79,524	82,567	85,566	88,821	91,955
Lorry and truck	6,564	7,226	7,776	8,166	8,559	8,815	9,058	9,356	9,750	10,138	10,485
Van	6,637	7,602	8,749	9,663	10,292	10,851	11,434	12,469	14,508	16,814	18,807
Bus	1,929	2,021	2,097	2,217	2,276	2,362	2,348	2,359	2,367	2,344	2,394
Tractor and dumper	2,156	2,274	2,356	2,413	2,478	2,546	2,580	2,615	2,627	2,630	2,645
Prime mover	185	197	212	228	249	256	262	278	297	315	322
Trailer	1,155	1,231	1,288	1,333	1,428	1,534	1,597	1,640	1,703	1,719	1,726
Road roller	94	96	100	106	106	107	106	108	105	102	100
Other	243	251	262	273	300	315	314	317	321	319	322
TOTAL	123,545	140,254	155,320	168,158	180,884	190,867	200,320	210,922	222,344	233,415	244,018

¹ Excluding pedal cycles , but including government vehicles

Table 1.3 - Age composition of cars and dual purpose vehicles , 1999 - 2000

Age group (Years)	as at 31st December 1999		as at 31st December 2000	
	Number	%	Number	%
< 5	30,301	36	31,749	35
5 < 10	22,967	27	23,385	26
10 < 15	9,747	11	12,118	14
≥ 15	22,139	26	22,571	25
TOTAL	85,154	100	89,823	100

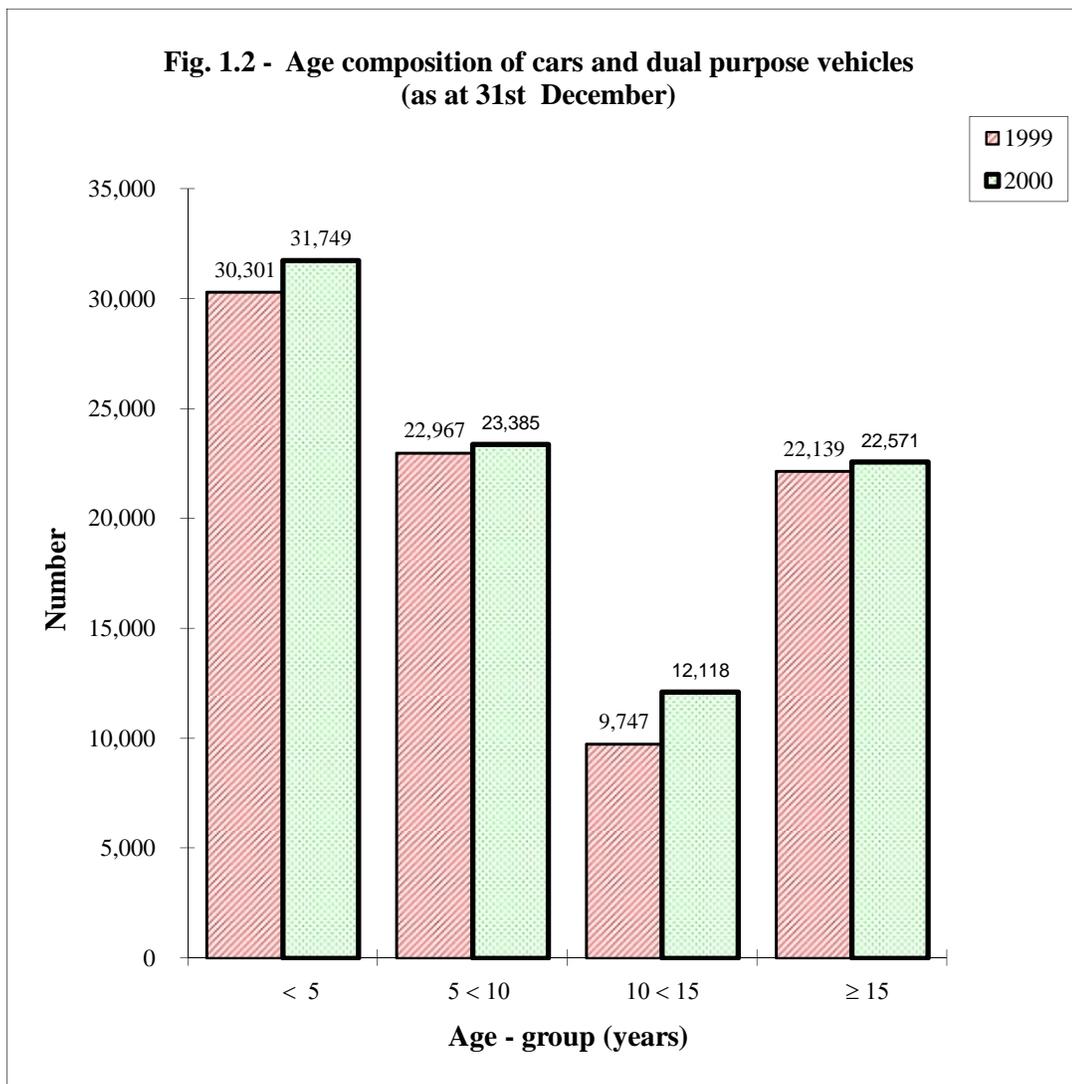


Table 1.4 - Age composition of operational bus fleet ¹, 1999 - 2000

Age group (Years)	as at 31st December 1999		as at 31st December 2000	
	Number	%	Number	%
< 5	472	28	413	23
5 < 10	675	39	776	44
10 < 15	542	31	521	30
15 < 18	26	2	60	3
TOTAL	1,715	100	1,770	100

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

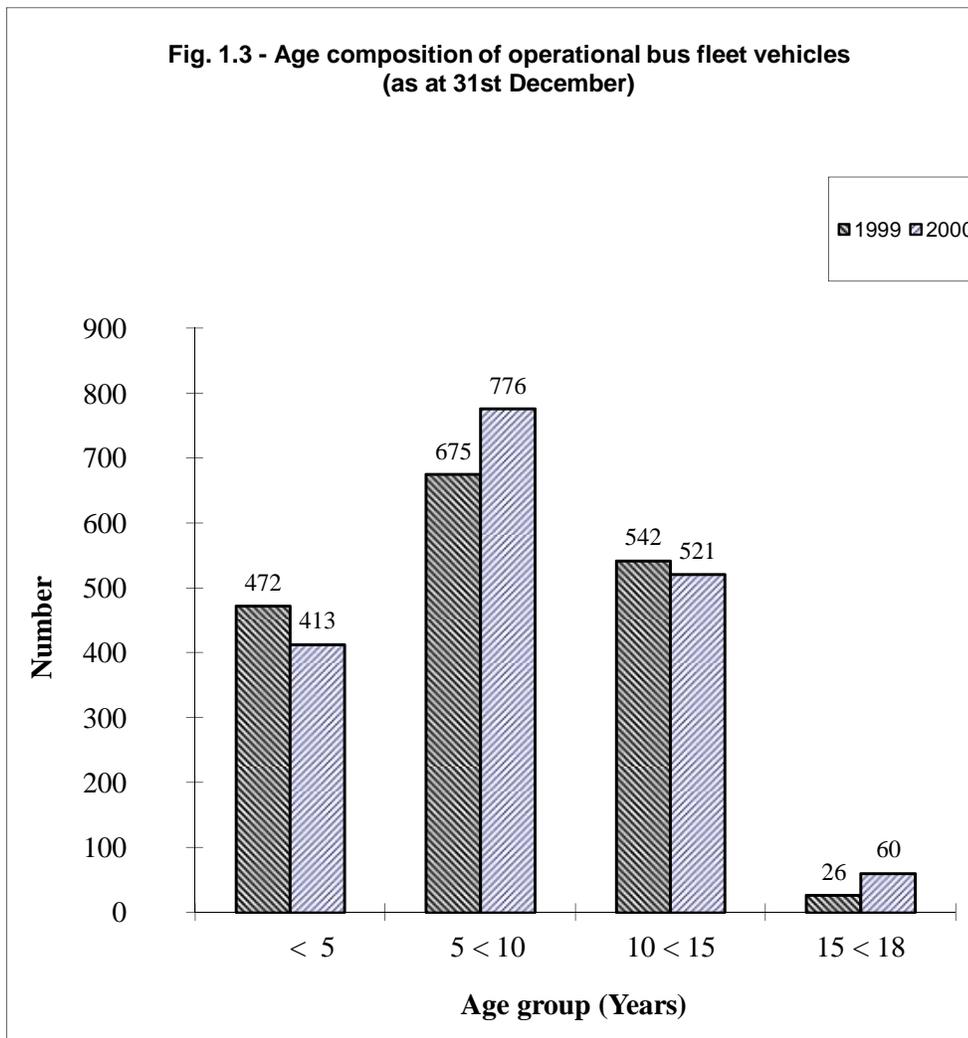


Table 2.1 - Comparison of road traffic accidents¹, 1999 - 2000

	1999	2000	Change Number	%
1. Road traffic accidents				
Number of accidents	17,877	18,278	+401	+2.2
Fatal accident	154	148	-6	-3.9
Serious injury accident	196	191	-5	-2.6
Slight injury accident	2,241	2,081	- 160	-7.1
Non injury accident	15,286	15,858	+ 572	+3.7
Rate per 100,000 population	1,570	1,589	N.A ²	N.A ²
Rate per 1,000 registered motor-vehicles	79 ³	77	N.A ²	N.A ²
2. Motor- vehicles involved				
Number of vehicles involved	32,547	33,537	+990	+3.0
Rate per 1,000 registered motor-vehicles	144 ³	142	N.A ²	N.A ²
3. Casualties				
Total number of casualties	3,405	3,291	-114	-3.4
Fatal	170	163	-7	-4.1
Seriously injured	237	266	+29	+12.2
Slightly injured	2,998	2,862	-136	-4.5

¹ Exclude number of accidents involving bicycles only

² N.A : Not applicable

³ Revised

Figure. 2.1 - Evolution of vehicles registered, 1990 - 2000

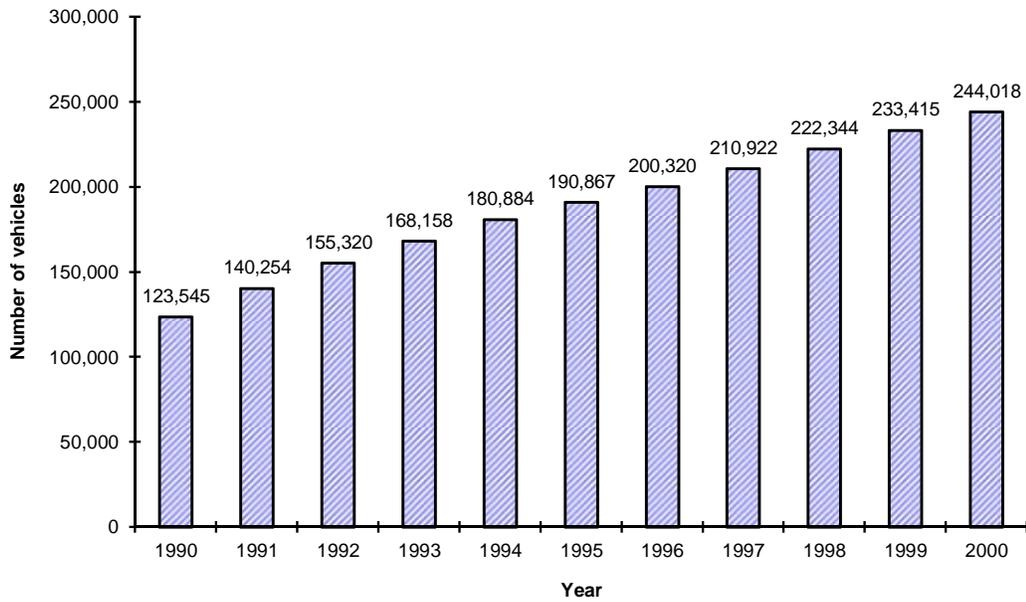


Figure. 2.2 - Evolution of road accidents, 1990 - 2000

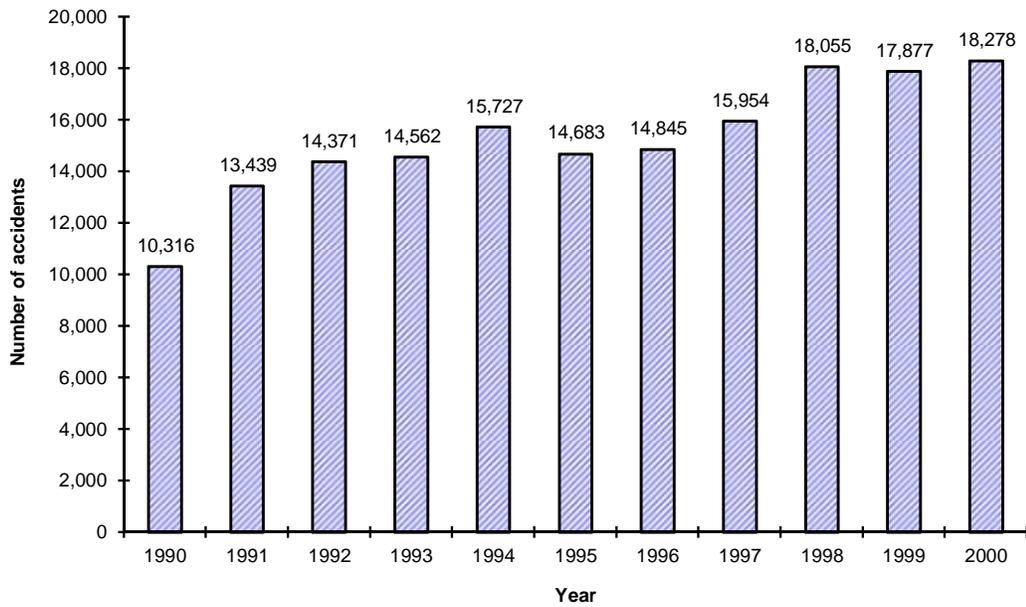


Table 2.3 - Vehicles¹ involved in accidents by type, 1999 - 2000

Type of vehicle	1999						2000					
	Jan. - June		Jul. - Dec.		Year		Jan. - June		Jul. - Dec.		Year	
	Number	%										
Private car	7,344	45.6	7,805	46.2	15,149	45.9	7,766	46.8	7,908	45.7	15,674	46.2
Taxi car	1,413	8.8	1,422	8.4	2,835	8.6	1,412	8.5	1,419	8.2	2,831	8.3
Bus	1,095	6.8	1,044	6.2	2,139	6.5	1,100	6.6	1,144	6.6	2,244	6.6
Lorry	910	5.7	1,060	6.3	1,970	6.0	943	5.7	1,152	6.7	2,095	6.2
Van	2,911	18.1	3,207	19.0	6,118	18.5	3,189	19.2	3,397	19.6	6,586	19.4
Motor/auto cycle	2,110	13.1	1,969	11.7	4,079	12.4	1,901	11.4	1,915	11.0	3,816	11.3
Other motor vehicle	118	0.7	139	0.8	257	0.8	109	0.7	182	1.0	291	0.9
Total motor vehicles	15,901	98.7	16,646	98.5	32,547	98.6	16,420	98.9	17,117	98.8	33,537	98.9
Pedal cycle	189	1.2	209	1.2	398	1.2	160	1.0	191	1.1	351	1.0
Other non motor vehicle	14	0.1	36	0.2	50	0.2	17	0.1	12	0.1	29	0.1
All vehicles	16,104	100.0	16,891	100.0	32,995	100.0	16,597	100.0	17,320	100.0	33,917	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, 1999 - 2000

Class of road users	1999				2000			
	Jan. - Jun.	Jul. - Dec.	Year		Jan. - Jun.	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Pedestrian	512	451	963	28.3	380	464	844	25.6
Passenger	386	453	839	24.6	426	485	911	27.7
Driver	147	176	323	9.5	132	185	317	9.6
Rider (auto / motor cycle)	521	493	1,014	29.8	462	502	964	29.3
Pedal cyclist	141	125	266	7.8	105	150	255	7.8
All road users	1,707	1,698	3,405	100.0	1,505	1,786	3,291	100.0

Table 2.5 - Total road accidents involving "hit and run" cases, 1999 - 2000

Period Accident	1999				2000			
	Jan. - Jun.	Jul. - Dec.	Year		Jan. - Jun.	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Vehicles v/s pedestrians	24	28	52	14.8	12	20	32	10.2
Vehicles v/s vehicles	128	171	299	85.2	160	122	282	89.8
Total	152	199	351	100.0	172	142	314	100.0

Table 2.2 - Road traffic accidents ¹ and casualties , 1990 - 2000

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1. Road traffic accidents:											
Number	10,316	13,439	14,371	14,562	15,727	14,683	14,845	15,954	18,055	17,877	18,278
Rate per 100,000 Population	<i>1007</i>	<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>1,589</i>
Rate per 1,000 registered motor vehicles ³	<i>94</i>	<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>
2. Motor vehicles involved :											
Number	17,562	22,835	24,549	25,240	27,203	25,584	26,270	28,561	32,568	32,547	33,537
Rate per 1,000 registered motor vehicles ³	<i>160</i>	<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>
3. Casualties :											
Total number of casualties	3,575	4,025	4,395	4,160	3,947	3,586	3,774	3,755	3,828	3,405	3,291
Fatal	144	168	119	157	154	173	153	146	162	170	163
Seriously injured	315	296	378	322	330	280	238	261	281	237	266
Slightly injured	3,116	3,561	3,898	3,681	3,463	3,133	3,383	3,348	3,385	2,998	2,862
4. Fatality :											
Rate per 100,000 population ³	<i>14.1</i>	<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>
Rate per 1,000 registered motor vehicles ³	<i>1.3</i>	<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>
Fatality index ²	<i>4.0</i>	<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>

¹ Exclude number of accidents involving bicycles only

² Fatality index is the ratio of the number of fatalities to the number of casualties expressed as a percentage

³ Revised estimates