

Road Transport and Road Traffic Accident Statistics
Year 1996

1.1 Vehicles registered as at December 1996

Data on registration of vehicles at the National Transport Authority (N.T.A) relating to the Island of Mauritius shows that in 1996 the fleet increased by nearly 5% or 9,400 to reach around 200,300 at December. This growth of 5% is slightly lower than the increases of 5.5% and 7.6% registered in 1995 and 1994 respectively.

Table 1.2 on the composition of the fleet by type of vehicles shows that about 51% or 101,800 were motorcycles and autocycles, 35% or 69,900 were cars and dual purpose vehicles and the remaining 14% comprised vans (11,400), lorries (9,000), buses (2,300) and other vehicles (5,800).

1.2 Net addition during 1996 (Table 1.1)

Between January and December 1996, some 13,400 vehicles were registered consisting of 8,000 new, 2,700 used imported and 2,700 re-registered. However during the same period about 3,900 vehicles were put off the road which brought the net additions to the fleet to 9,400.

1.3 Vehicle used for the transport of passengers

The total number of cars and dual purpose vehicles increased by about 7% to reach 69,900 in 1996. During this period some 5,100 cars and dual purpose vehicles (2,700 new and 2,400 used

imported) were registered while around 1,400 were put off the road.

Table 1.3 on the age composition of cars and dual purpose vehicles shows that 35% of the fleet were under five years, 28% between five and ten years and the remaining 37% were above ten years.

The number of buses which operate on proclaimed routes and charge individual fares slightly decreased in 1996 to reach 1,729 from 1,765 in 1995. It is worth noting that 88% of these buses were under ten years and 12% were ten years and above. (Table 1.4)

2.1 Road traffic accidents

The number of road traffic accidents reported at the police stations during the year 1996 stood at 14,845 which represents an increase of 1.1% over the previous year (14,683). The rate of accidents per 1,000 registered motor vehicles in 1996 dropped to 77 from 78 in 1995 and 91 in 1994.

2.2 Motor vehicles involved in accidents

There were some 26,270 motor vehicles involved in road accidents indicating a 2.7 % rise over 1995 (25,584). Once again, private cars hold the highest percentage (44.7 %) of vehicles involved while autocycles and motor cycles shared 15.8 %, vans, 14.8 % and the other types of vehicles, 24.7 %. (Table 2.3)

2.3 Casualties

The number of casualties registered went up by 5.2 % from 3,586 in 1995 to 3,774 in 1996. Of these, 153 were fatal, 238 suffered serious injuries and the remaining 3,383, only slight injuries. The fatality rate per 100,000 population has declined from 15.9 in 1995 to 13.9 in 1996. The fatality rate per 1,000 registered motor vehicles works out to 0.8.

The most vulnerable class of road users were riders of autocycles and motor cycles which accounted for 30.4 % of the casualties followed closely by pedestrians, 28 % and passengers, 26.2 %.

2.4 Hit and run cases

As shown in Table 2.5 the number of accidents involving 'hit and run' cases reported at police stations in 1996 was 295 against 351 in 1995. Of these, 59 involved vehicles and pedestrians and the remaining 236, vehicles only.

Central Statistical Office,
Ministry of Economic planning and Development,
PORT LOUIS.
April, 1997

Definitions and General Notes

A. Vehicle Statistics:

1. Data refer to all vehicles registered at the National Transport Authority. Pedal cycles are therefore excluded.
2. The classification of vehicles used in this report, follows the definition given in Section 4 of the Road Traffic Act of 1962.
3. **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 etc.
 - and (b) **non-motorised vehicles**, for example trailer.
4. Definition of some type of vehicles according to the Road Traffic Act 1962.

(a) **Motor cycle**

A motorcycle 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 road 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. **Fatality:** Death occurring within seven days as a result of the accident.
4. **Seriously Injured:** Fracture, concussion, internal crushing, severe cut and laceration, severe general shock requiring medical treatment.
5. **Slightly Injured:** Secondary injuries such as sprain, bruises and cuts not judged to be severe.

Table 1.1 - Registration of Vehicles in 1996

Type	No. of Vehicles at 31.12.95	Imported Vehicles		Re - Registered Vehicles	Vehicles off the Road ¹	No. of Vehicles at 31.12.96	Net Addition in 1996
		New	Used				
Car	43,288	1,457	1,370	606	1,158	45,563	2,275
Dual Purpose Vehicle	22,086	1,268	1,050	250	272	24,382	2,296
Motor Cycle	21,492	831	19	375	488	22,229	737
Autocycle	76,317	3,397	15	1,082	1,287	79,524	3,207
Lorry and Truck	8,815	188	110	159	214	9,058	243
Van	10,851	625	76	104	222	11,434	583
Bus	2,362	99	1	2	116	2,348	-14
Other	5,656	166	41	95	176	5,782	126
TOTAL	190,867	8,031	2,682	2,673	3,933	200,320	9,453

¹ Unlicensed either temporarily or permanently

Table 1.2 - Number of registered vehicles ¹, 1986 - 1996

Type of vehicle	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Car	27,053	28,337	30,283	31,919	33,916	35,673	37,696	39,511	41,355	43,288	45,563
of which Taxis	(2,931)	(3,358)	(3,423)	(3,464)	(3,715)	(3,965)	(4,014)	(4,050)	(4,311)	(4,439)	(4,673)
Dual Purpose Vehicle	8,071	9,207	10,283	11,460	12,877	14,343	16,246	17,882	20,023	22,086	24,382
Heavy Motor Car	423	454	517	624	695	766	799	826	848	898	922
Motor Cycle	9,205	9,436	9,912	10,560	11,937	14,740	16,880	18,829	20,461	21,492	22,230
Autocycle	20,359	24,124	29,181	35,844	45,157	53,834	60,859	66,711	72,509	76,317	79,524
Lorry & Truck	4,838	5,057	5,534	5,906	6,564	7,226	7,776	8,166	8,559	8,815	9,058
Van	3,636	4,115	4,788	5,600	6,637	7,602	8,749	9,663	10,292	10,851	11,434
Bus	1,360	1,529	1,771	1,858	1,929	2,021	2,097	2,217	2,276	2,362	2,348
Tractor & Dumper	1,863	1,940	2,013	2,078	2,156	2,274	2,356	2,413	2,478	2,546	2,580
Prime Mover	130	145	164	182	185	197	212	228	249	256	262
Trailer	997	1,039	1,083	1,151	1,155	1,231	1,288	1,333	1,428	1,534	1,597
Road Roller	91	87	101	98	94	96	100	106	106	107	106
Other	203	207	210	233	243	251	262	273	300	315	314
TOTAL	78,229	85,677	95,840	107,513	123,545	140,254	155,320	168,158	180,884	190,867	200,320

¹ Excluding pedal cycles

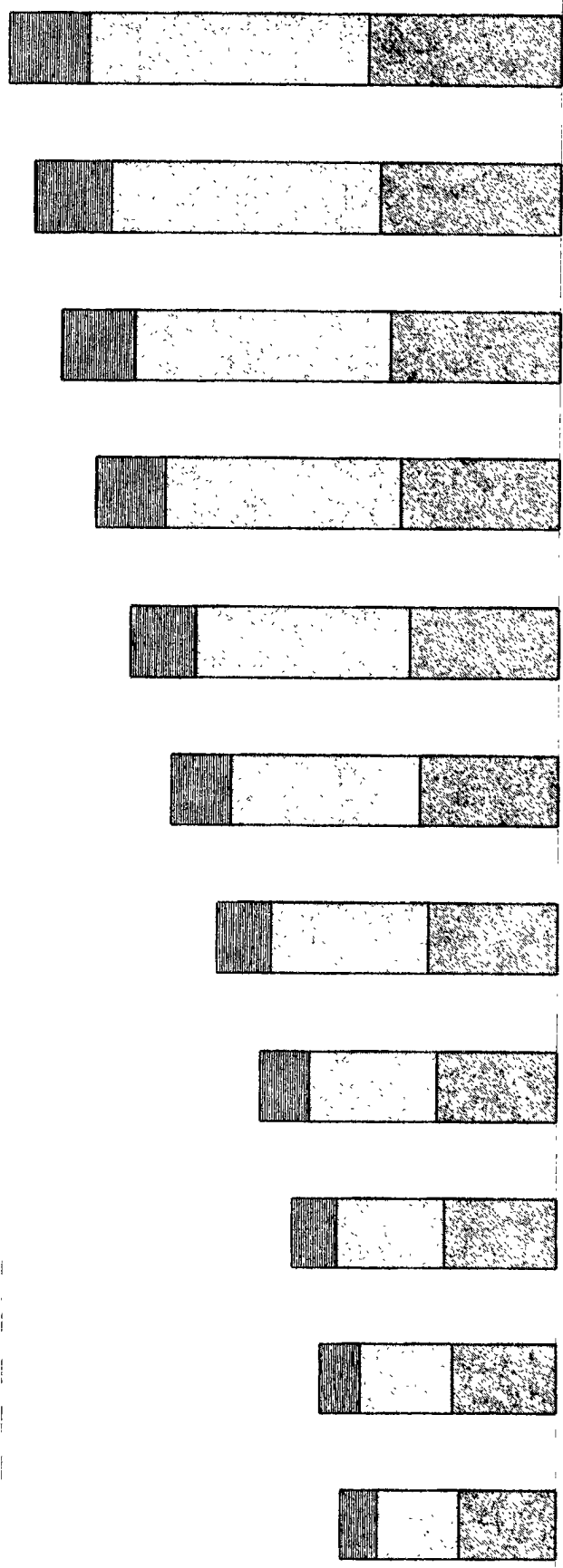
Fig. 1.1 - Stock of registered vehicles, 1986 - 1996

■ Other

 □ Motorcycle/Autocycle

 ▨ Car and D.P.V.

220000
 200000
 180000
 160000
 140000
 120000
 100000
 80000
 60000
 40000
 20000
 0



Type of vehicle	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Car and Dual Purpose Vehicle	35,124	37,544	40,566	43,379	46,793	50,016	53,942	57,393	61,378	65,374	69,945
Motor cycle and Autocycle	29,564	33,560	39,093	46,404	57,094	68,574	77,739	85,540	92,970	97,809	101,754
Other	13,541	14,573	16,181	17,730	19,658	21,664	23,639	25,225	26,536	27,684	28,621
TOTAL	78,229	85,677	95,840	107,513	123,545	140,254	155,320	168,158	180,884	190,867	200,320

Table 1.3 - Age composition of cars and dual purpose vehicles, 1995 - 1996

Age group (Years)	as at 31st December 1995		as at 31st December 1996	
	Number	%	Number	%
< 5	23,598	36	24,708	35
5 < 10	16,484	25	19,381	28
10 < 15	4,218	7	4,666	7
≥ 15	21,074	32	21,190	30
TOTAL	65,374	100	69,945	100

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

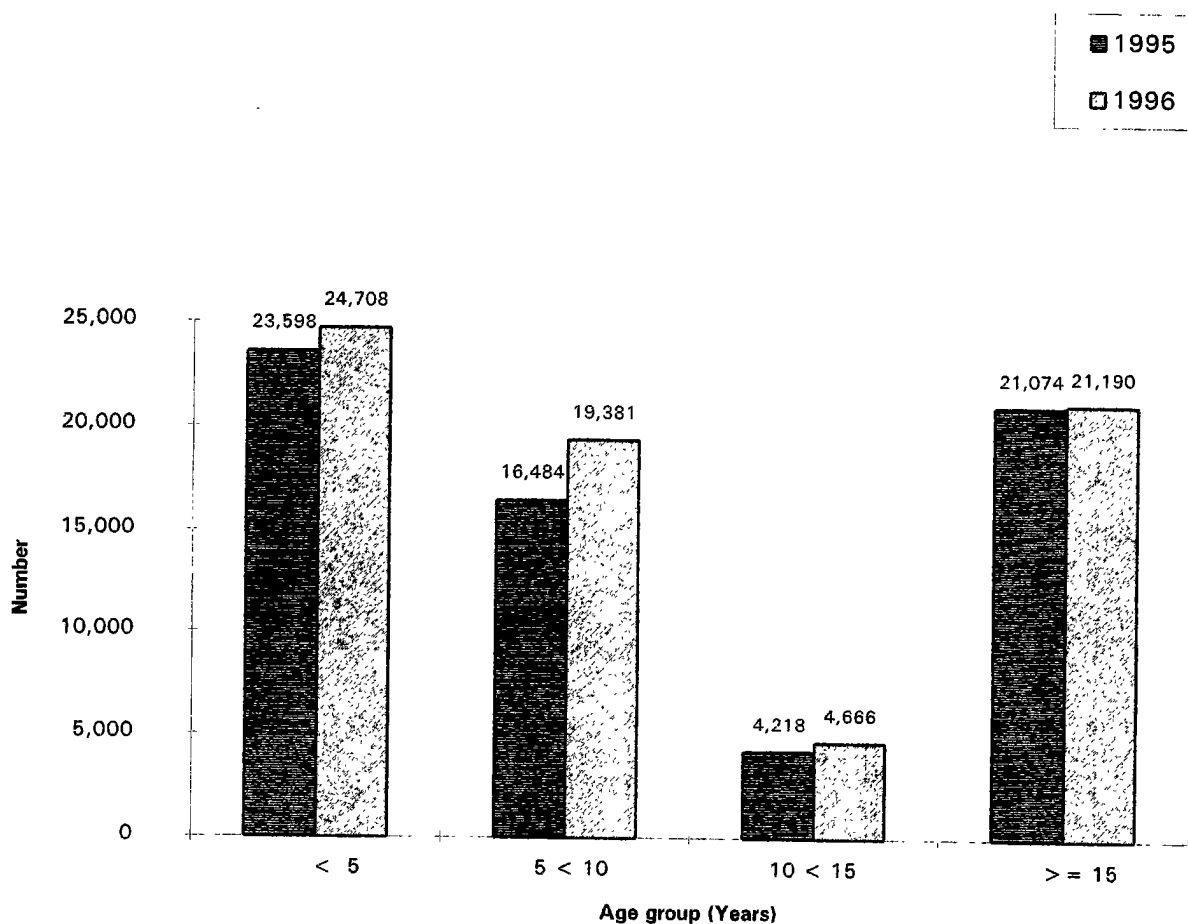


Table 1.4 - Age composition of operational bus fleet ¹, 1995 - 1996

Age group (Years)	as at 31st December 1995		as at 31st December 1996	
	Number	%	Number	%
< 5	666	38	755	44
5 < 10	756	43	758	44
10 < 15	123	7	104	6
15 < 18	220	12	112	6
TOTAL	1,765	100	1,729	100

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

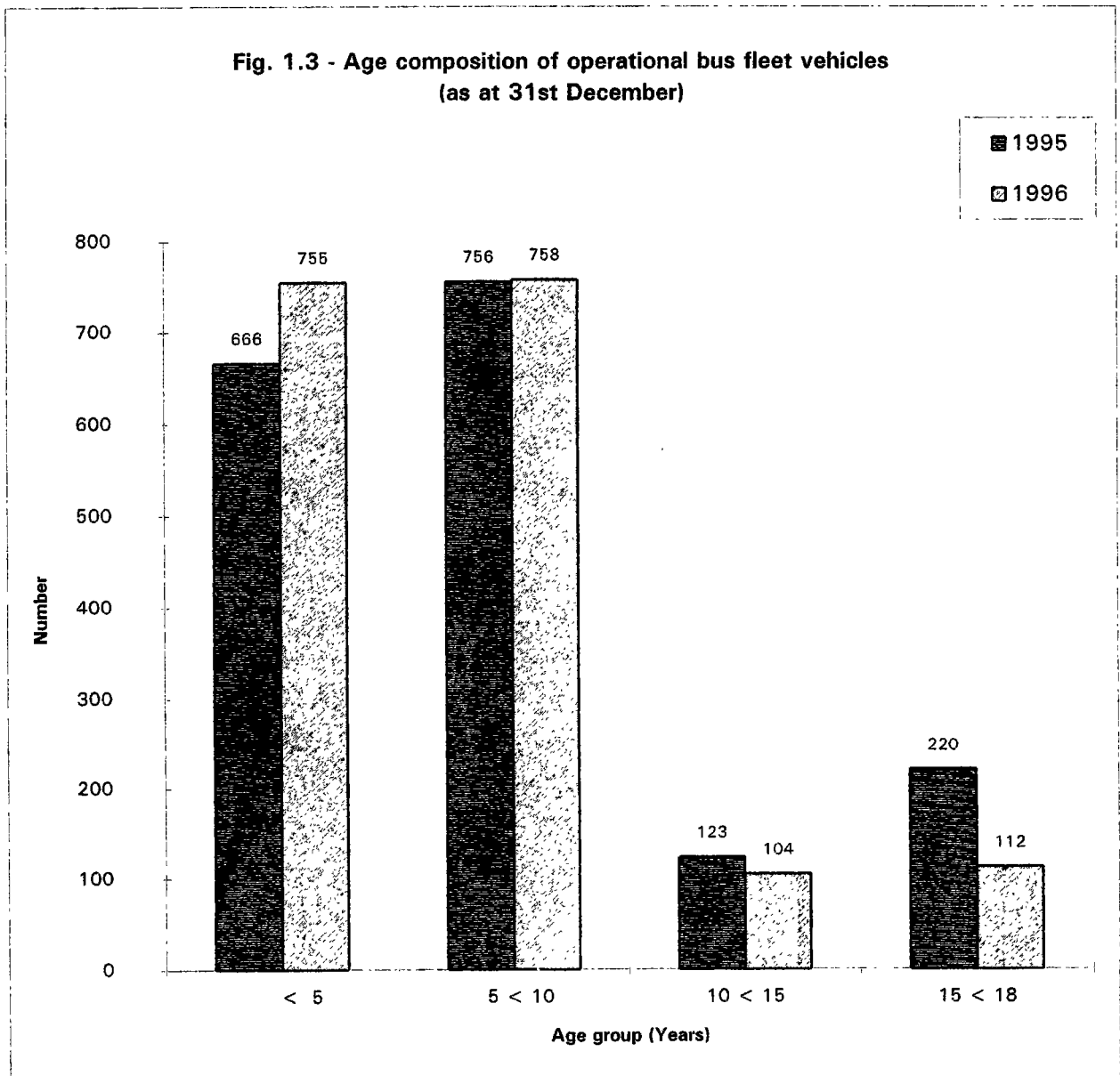


Table 2.1 - Comparison of Road Traffic Accidents¹, 1995 - 1996

	1995	1996	Change	
			Number	%
1. Road Traffic Accidents				
Number of accidents	14,683	14,845	162	1.1
Rate per 100,000 population	1,350	1,351	N.A ²	N.A ²
Rate per 1,000 registered motor-vehicles	78	77	N.A ²	N.A ²
2. Motor-vehicles involved				
Number of vehicles involved	25,584	26,270	686	2.7
Rate per 1,000 registered motor-vehicles	137	135	N.A ²	N.A ²
3. Casualties				
Total number of casualties	3,586	3,774	188	5.2
Fatal	173	153	-20	- 11.6
Seriously injured	280	238	-42	- 15.0
Slightly injured	3,133	3,383	250	8.0

¹ Exclude number of accidents involving bicycles only

² N.A : Not applicable

Fig. 2.1 - Evolution of vehicles registered, 1986 - 1996

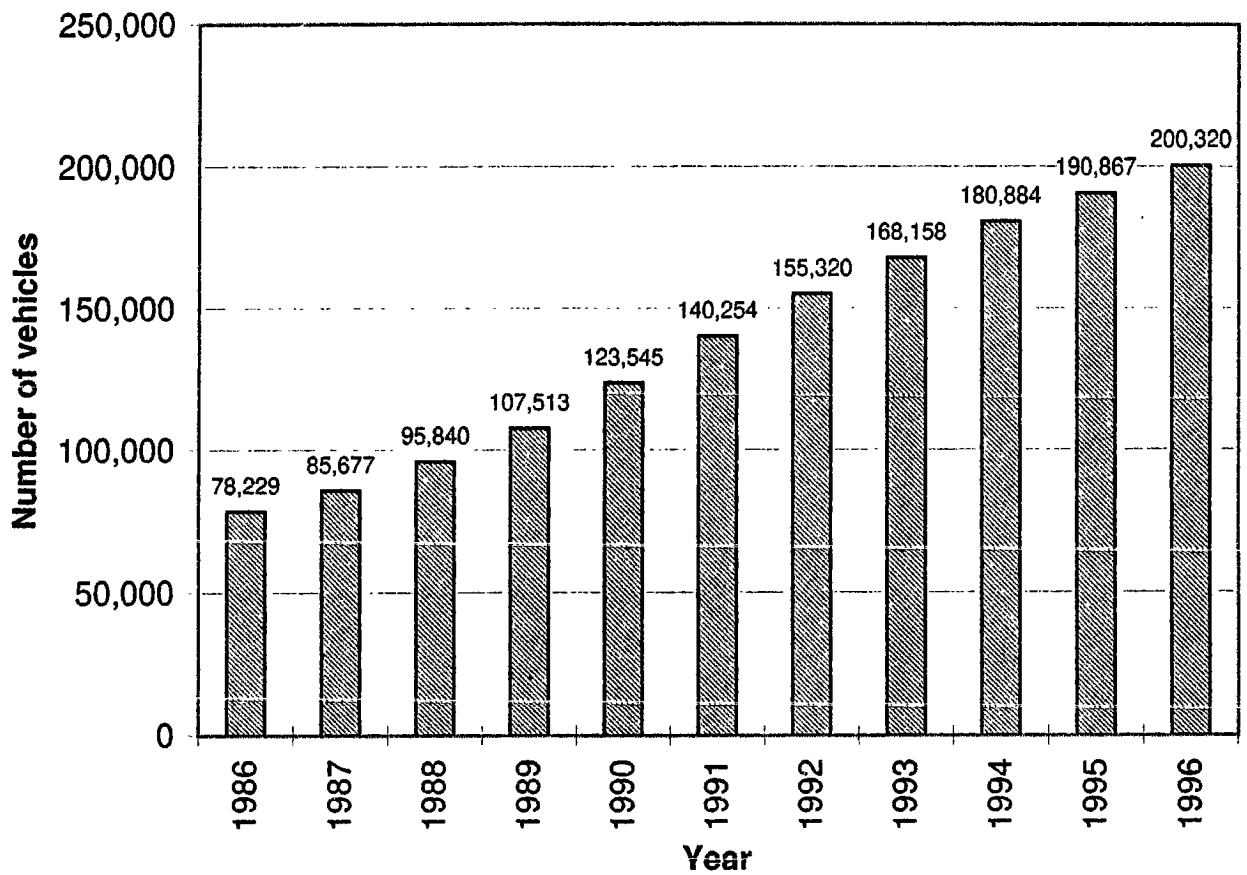


Fig. 2.2 - Evolution of road accidents, 1986 - 1996

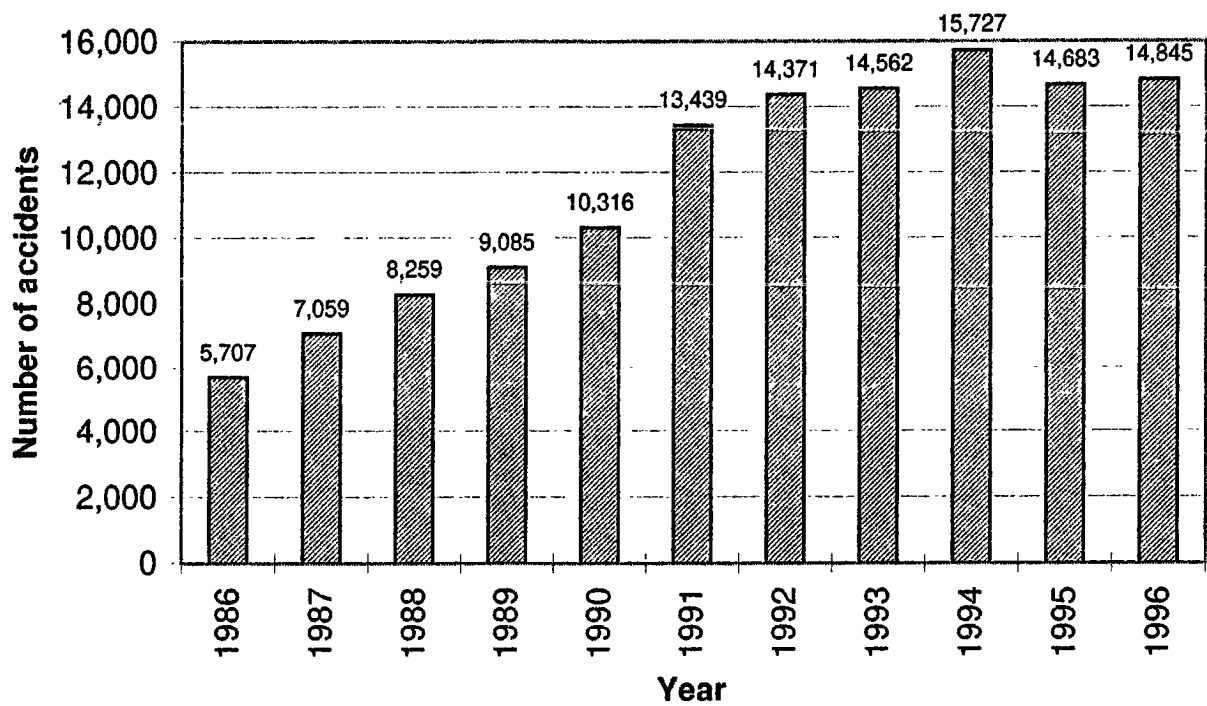


Table 2.2 - Road traffic accidents ¹ and casualties, 1986 - 1996

	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>
1. Road traffic accidents :											
Number	5,707	7,059	8,259	9,085	10,316	13,439	14,371	14,562	15,727	14,683	14,845
Rate per 100,000 population	574	703	812	893	1,007	1,297	1,369	1,378	1,459	1,350	1,351
Rate per 1,000 registered motor vehicles	74	87	91	89	90	102	97	91	91	78	77
2. Motor vehicles involved:											
Number	9,410	11,869	14,153	15,489	17,562	22,835	24,549	25,240	27,122	25,584	26,270
Rate per 1,000 registered motor vehicles	123	147	156	152	153	173	166	156	154	137	135
3. Casualties:											
Total number of casualties	2,834	3,294	3,004	3,141	3,575	4,025	4,395	4,160	3,947	3,586	3,774
Fatal	109	112	122	130	144	168	119	157	154	173	153
Seriously injured	226	255	282	250	315	296	378	322	330	280	238
Slightly injured	2,499	2,927	2,600	2,761	3,116	3,561	3,898	3,681	3,463	3,133	3,383
4. Fatality :											
Rate per 100,000 population	11.0	11.2	12.0	12.6	13.9	16.2	11.3	14.8	14.3	15.9	13.9
Rate per 1,000 registered motor vehicle	1.4	1.4	1.3	1.3	1.3	1.3	0.8	1.0	0.9	0.9	0.8
Index ²	3.8	3.4	4.1	4.1	4.0	4.2	2.7	3.8	3.9	4.8	4.1

¹ Exclude number of accidents involving bicycles only

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

Table 2.3 - Vehicles¹ involved by type, 1995 - 1996

Type of vehicle	1995			1996		
	Jan. - Jun.	Jul. - Dec.	Year	Jan. - Jun.	Jul. - Dec.	Year
	Number	Number	Number %	Number	Number	Number %
Private car	5,628	5,944	11,572 44.5	5,739	6,175	11,914 44.7
Taxi car	1,104	1,162	2,266 8.7	1,152	1,288	2,440 9.2
Bus	1,010	971	1,981 7.6	995	1,001	1,996 7.5
Lorry	668	758	1,426 5.5	670	888	1,558 5.8
Van	1,811	1,787	3,598 13.8	1,824	2,110	3,934 14.8
Motor/Auto cycle	2,312	2,246	4,558 17.5	2,161	2,054	4,215 15.8
Pedal cycle	160	236	396 1.5	204	123	327 1.2
Other motor vehicle	68	115	183 0.7	75	138	213 0.7
Other non motor vehicle	28	22	50 0.2	30	36	66 0.3
All vehicles	12,789	13,241	26,030 100.0	12,850	13,813	26,663 100.0

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

Table 2.4 - Casualties by class of road users, 1995 - 1996

Class of Road users	1995				1996			
	Jan. - Jun.	Jul. - Dec.	Year		Jan. - Jun.	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Pedestrian	578	522	1,100	30.7	503	554	1,057	28.0
Passenger	388	287	675	18.8	337	653	990	26.2
Driver	161	167	328	9.1	131	177	308	8.2
Rider (Auto / Motor Cycle)	610	602	1,212	33.8	561	586	1,147	30.4
Pedal cyclist	152	119	271	7.6	144	128	272	7.2
All road users	1,889	1,697	3,586	100.0	1,676	2,098	3,774	100.0

Table 2.5 - Total number of accidents involving hit and run cases, 1995 - 1996

Period Accidents	1995				1996			
	Jan. - Jun.	Jul. - Dec.	Year		Jan. - Jun.	Jul. - Dec.	Year	
	Number	Number	Number	%	Number	Number	Number	%
Vehicles v/s pedestrian	43	27	70	19.9	33	26	59	20.0
Vehicles v/s vehicles	152	129	281	80.1	117	119	236	80.0
Total	195	156	351	100.0	150	145	295	100.0

Fig 2.3 - Vehicles involved in accidents by type, 1995 - 1996

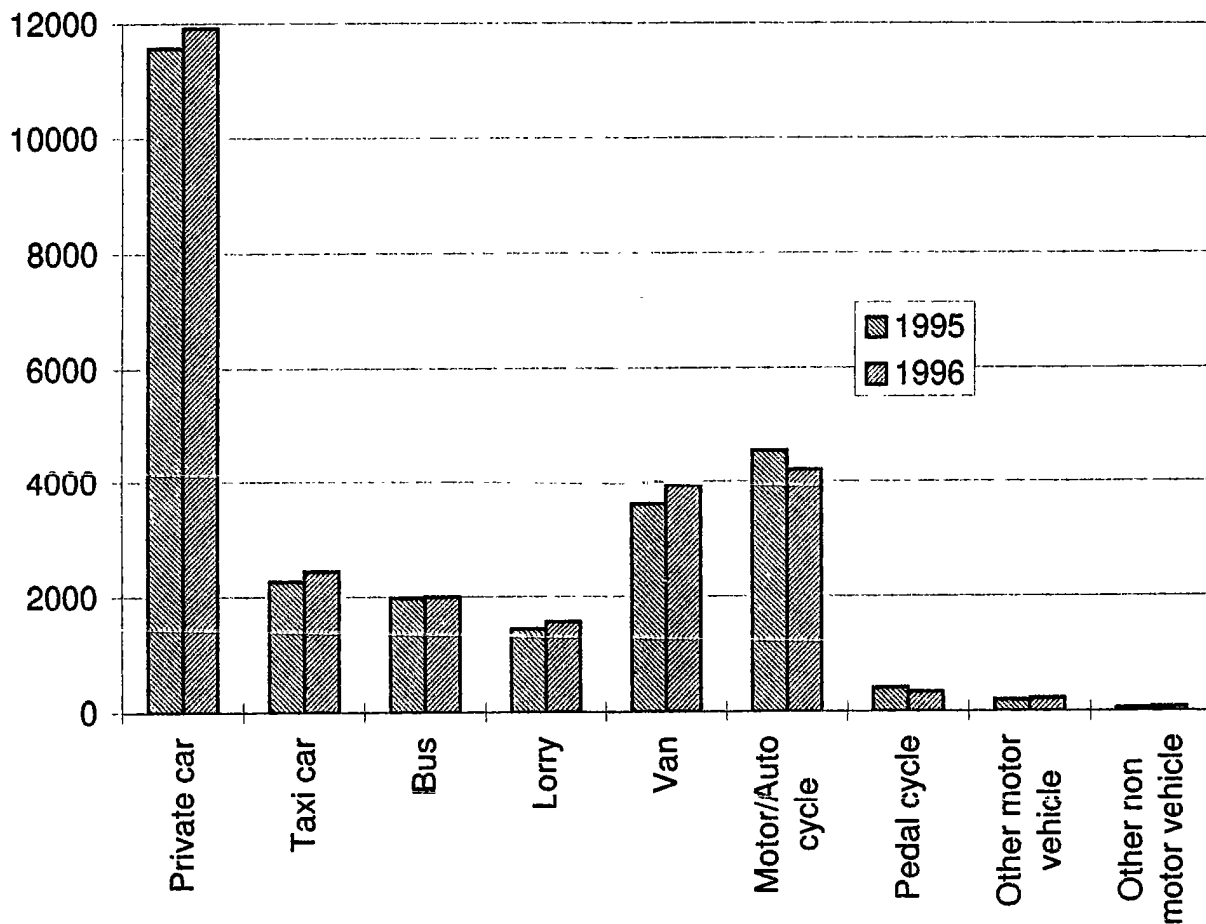


Fig. 2.4 - Casualties by class of road users, 1996

