

Road Transport & Accident Statistics Year 1992

Part I - Vehicle Statistics^{1/}

Definitions under Section 4 of Road Traffic Act of 1962 for different types of vehicles used in the report.

1. Heavy Motor Car

That is to say, mechanically propelled vehicles, other than vehicles classified under this section as motor cars, which are constructed themselves to carry a load or passengers and whose unladen weight exceeds 2 tons.

2. Dual-purpose Vehicle

Means a vehicle, constructed or adapted for the carriage both of passengers and of goods or burden of any description whose unladen weight does not exceed two tons and which either:-

- (a) is so constructed or adapted that the driving power of the engine is, or by the appropriate use of the controls of the vehicle can be, transmitted to all the wheels of the vehicle; or
- (b) satisfied the following conditions as to construction -
 - (i) the vehicle is permanently fitted with a rigid roof, with or without a sliding panel,
 - (ii) the area of the vehicle to the rear of the driver's seat is -
 - (A) permanently fitted with at least one row of transverse seats (fixed or folding) for 2 or more passengers and those seats are properly sprung or cushioned and provided with upholstered back-rests, attached either to the seats or to a side or the floor of the vehicle;
 - and (B) lit on each side and at the rear by a window or windows of glass or other transparent material having an area or aggregate area of not less than 2 square feet on each side and not less than 120 square inches on the rear.
 - (iii) the distance between the rearmost part of the steering wheel and the backrests of the row of transverse seats satisfying the requirements specified in subparagraph (ii) (A) (or, where there is more than one row of seats, the distance between the rearmost part of the steering wheel and the backrests of the rearmost row) is, when the seats are ready for use, not less than one-third of distance between the rearmost part of the steering wheel and the rearmost part of the floor of the vehicle.

1/ excludes pedal cycles

3. Motor Cycles

That is to say, mechanically propelled vehicles, other than auto-cycles or vehicles classified under this section as invalid carriages, with not more than 4 wheels and whose unladen weight does not exceed 400 kilograms.

4. Auto-Cycles

That is to say, bicycles which have pedals and a motor attached which can be propelled by means of those pedals any by mechanical or electrical power from that motor and the swept volume of the cylinders of that motor does not exceed 50 cubic centimetres.

5. Motor Tractor

That is to say, mechanically propelled vehicles which are not constructed themselves to carry any load and whose unladen weight does not exceed 7 tons.

6. Trailer

- (a) means a vehicle which has no independent motive power of its own and which is drawn or designed to be drawn, by a motor vehicle,
- (b) does not include a sidecar attached to a motor cycle, nor a farm implement that is not constructed or adapted for the conveyance of goods or burden of any description.

7. Weight Unladen

means the weight of a vehicle which:-

- (a) includes the body and all parts (the heavier being taken where alternative bodies or parts are used) which are necessary to or ordinarily used with the vehicle when working on a road;
- (b) excludes the weight of water, fuel or accumulators used for the purpose of the supply of power for the propulsion of vehicle or of loose tools and loose equipment.



Part II Road Traffic Accidents

Definitions

1. Casualties

The total number of fatalities and injuries resulting from road accidents.

2. Fatalities

Deaths occurring as a result of road accident if the victim dies within a week the accident occurs.

3. Injuries

The reported number of persons seriously or slightly injured in road accidents.

(i) Serious Injury

An injury for which a person is detained in hospital as an "in-patient" or any of the following injuries whether or not he is detained in hospital.

- (a) fractures
- (b) concussions
- (c) internal injuries
- (d) severe cuts and lacerations
- (e) crushings
- (f) severe general shock requiring medical treatment

(ii) Slight Injury

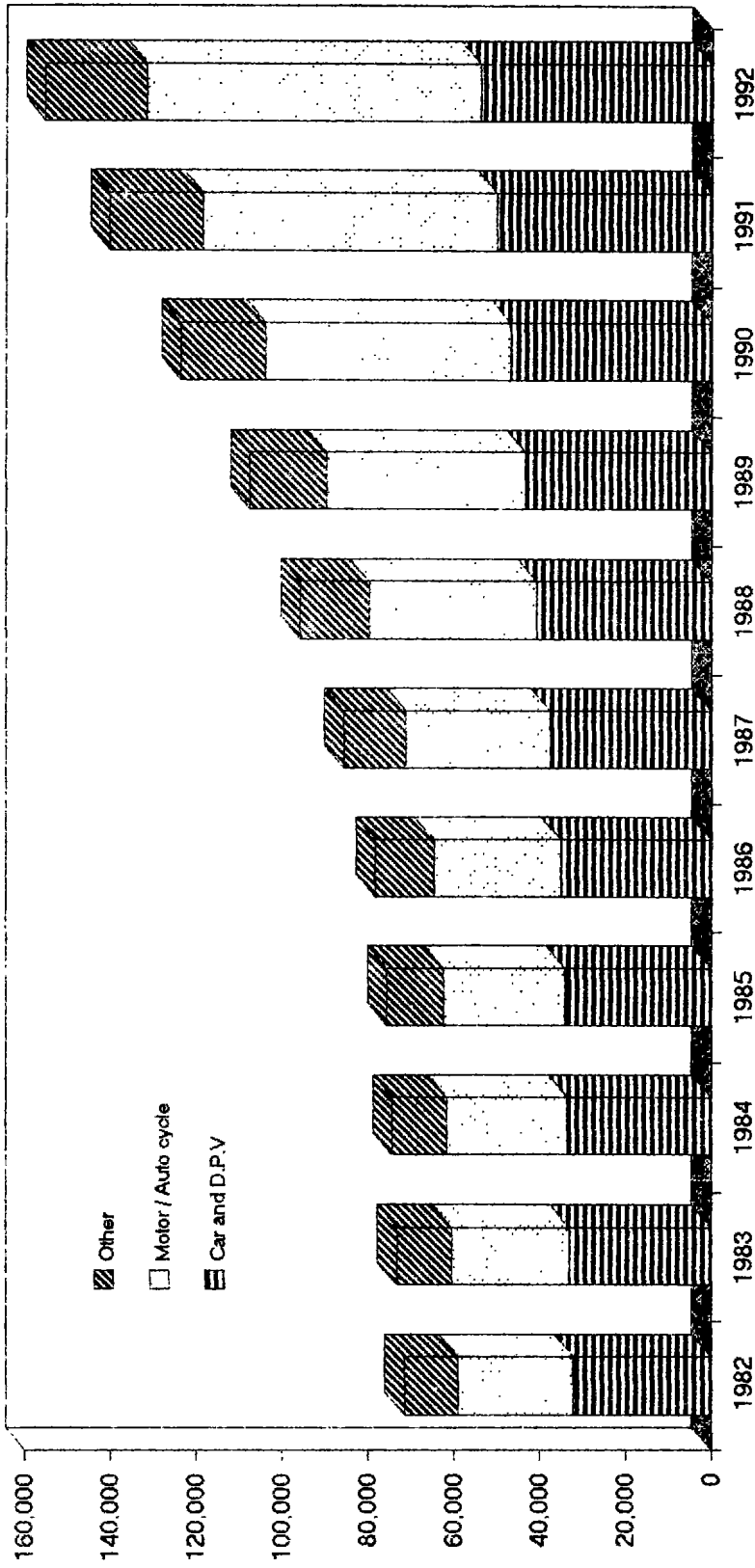
An injury of minor character such as:

- (a) sprain
- (b) bruise
- (c) cut not judged to be severe

4. Severity of accident

Each accident is classified according to the degree of injury sustained most by the road users, namely, Fatal, Serious, Slight or No injury.

Fig. 1.1 - Vehicles Stock 1982 - 1992



Type of vehicle	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Car and Dual Purpose Vehicle	32,955	33,053	33,486	33,982	35,124	37,544	40,566	43,379	46,793	50,016	53,945
Motor cycle and autocycle	27,045	27,481	28,105	28,528	29,564	33,560	39,093	46,404	57,094	68,574	77,736
Other	12,450	12,684	12,778	13,085	13,541	14,573	16,181	17,730	19,658	21,664	23,639
Total	71,500	73,218	74,369	75,595	78,229	85,677	95,840	107,513	123,545	140,254	155,320

Table 1.1 - Vehicles * Registered , 1982 -1992

Type of vehicle	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Car	25,536	26,082	26,274	26,455	27,053	28,337	30,283	31,919	33,916	35,673	37,696
Dual Purpose Vehicle	6,719	6,971	7,212	7,527	8,071	9,207	10,283	11,460	12,877	14,343	16,246
Heavy Motor Car	362	370	373	400	423	454	517	624	695	766	799
Motor Cycle	8,427	8,711	8,882	9,014	9,205	9,436	9,912	10,560	11,937	14,740	16,880
Auto Cycle	18,618	18,770	19,223	19,514	20,359	24,124	29,181	35,844	45,157	53,834	60,859
Lorry & Truck	4,645	4,690	4,671	4,717	4,838	5,057	5,534	5,906	6,564	7,226	7,776
Van	2,955	3,089	3,265	3,440	3,636	4,115	4,788	5,600	6,637	7,602	8,749
Bus	1,442	1,418	1,364	1,369	1,360	1,529	1,771	1,858	1,929	2,021	2,097
Tractor & Dumper	1,739	1,760	1,742	1,788	1,863	1,940	2,013	2,078	2,156	2,274	2,356
Prime Mover	109	113	116	120	130	145	164	182	185	197	212
Trailer	930	968	976	983	997	1,039	1,083	1,151	1,155	1,231	1,288
Road Roller	114	114	105	97	91	87	101	98	94	96	100
Other	154	162	166	171	203	207	210	233	243	251	262
TOTAL	71,750	73,218	74,369	75,595	78,229	85,677	95,840	107,513	123,545	140,254	155,320
<i>Index</i>	<i>100</i>	<i>102</i>	<i>104</i>	<i>105</i>	<i>109</i>	<i>119</i>	<i>134</i>	<i>150</i>	<i>172</i>	<i>196</i>	<i>216</i>

* Excluding pedal cycles

Table 1.2 - Registration of Vehicles , 1992

Type	No. of Vehicles at 31.12.91	New Vehicles	Used imported Vehicles	Re - Registered Vehicles	Vehicles off the Road *	No. of Vehicles at 31.12.92	Change 1992/1991
Car	35673	1756	1006	357	1093	37699	2026
Dual Purpose Vehicle	14343	1238	703	123	161	16246	1903
Motor Cycle	14740	2365	15	173	413	16880	2140
Auto Cycle	53834	7680	73	313	1044	60856	7022
Lorry and Truck	7226	405	253	84	192	7776	550
Van	7602	964	243	66	126	8749	1147
Bus	2021	164	0	6	95	2096	75
Other	4815	273	10	35	115	5018	203
TOTAL	140254	14845	2303	1157	3239	155320	15066

* Unlicensed either temporarily or permanently

**Table 1.3 - Age distribution of cars and dual purpose vehicles ,
1991 - 1992**

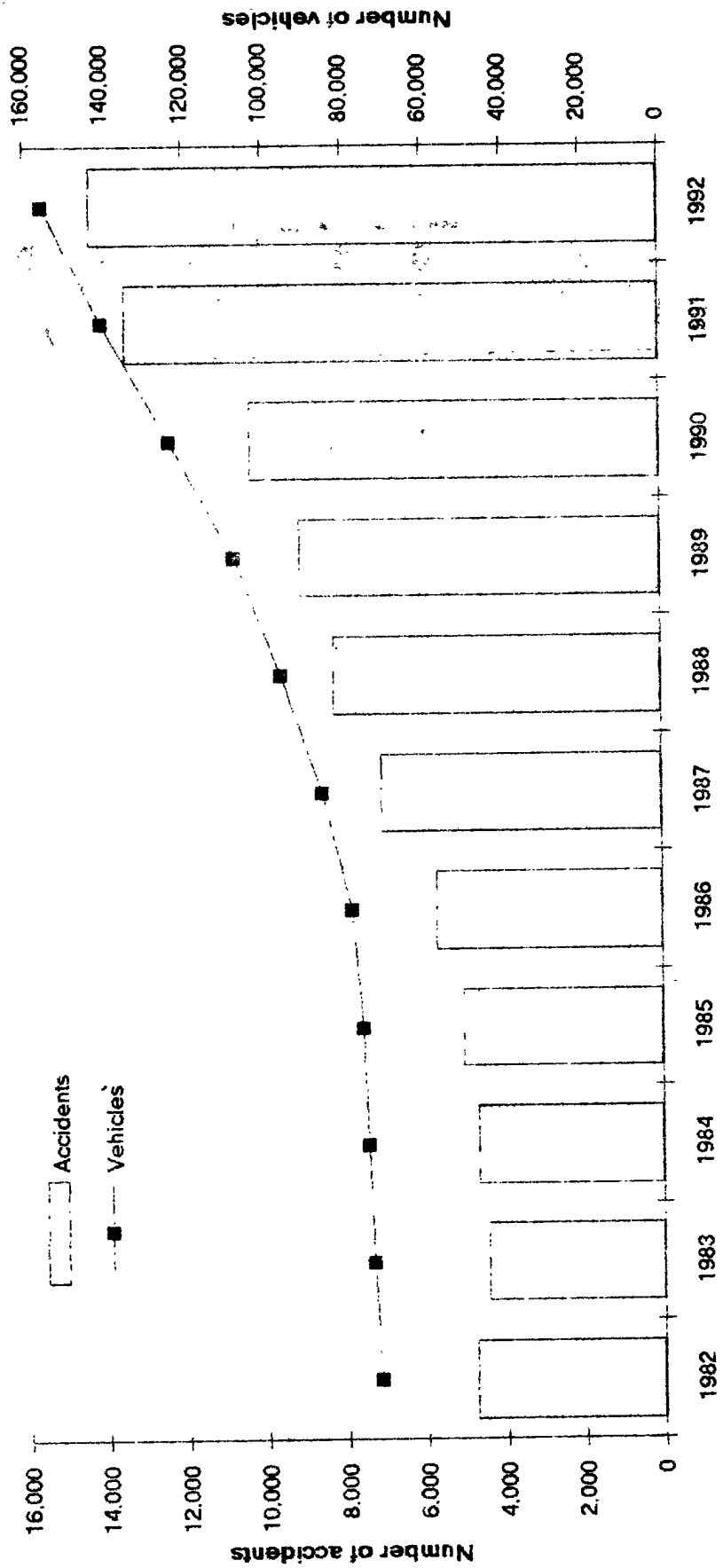
Age group (Years)	as at 31st December 1991		as at 31st December 1992	
	Number	%	Number	%
< 5	17,404	35	19,594	36
5 < 10	7,222	14	9,118	17
10 < 15	5,801	12	4,059	8
> 15	19,589	39	21,171	39
TOTAL	50,016	100	53,942	100

**Table 1.4 - Age distribution of operational bus fleet (public transport) * ,
1991 - 1992**

Age group (Years)	as at 31st December 1991		as at 31st December 1992	
	Number	%	Number	%
< 4	612	35	505	32
4 < 10	358	21	592	37
10 < 16	617	35	402	25
16 < 20	153	9	93	6
TOTAL	1,740	100	1,592	100

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

Fig. 2.1 - Fleet evolution and road accidents 1982 - 1992



	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Road accidents	4,749	4,447	4,681	5,035	5,707	7,059	8,259	9,085	10,316	13,439	14,321
Vehicles registered	71,750	73,218	74,369	75,595	78,229	85,677	95,840	107,513	123,545	140,254	155,320

Table 2.1 - Road traffic accidents* and casualties, 1982 - 1992

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
1. Road traffic accidents :											
Number	4,749	4,447	4,661	5,035	5,707	7,059	8,259	9,085	10,316	13,439	14,321
Rate per 100,000 population	494	459	479	511	574	703	812	883	1,007	1,297	1,364
Rate per 1,000 registered motor vehicles	67	61	63	67	74	87	91	89	90	102	97
2. Motor vehicle involved:											
Number	7,354	7,141	7,538	8,235	9,410	11,869	14,153	15,469	17,562	22,835	24,072
Rate per 1,000 registered	104	99	102	110	123	147	156	152	153	173	163
3. Casualties:											
Total number of casualties of which	2,460	2,531	2,329	2,685	2,834	3,294	3,004	3,141	3,575	4,025	4,180
Fatal	99	102	82	104	109	112	122	130	144	168	115
Seriously injured	147	305	253	266	226	255	282	250	315	296	320
Slightly injured	2,214	2,124	1,994	2,315	2,499	2,927	2,600	2,761	3,116	3,561	3,745
4. Fatality rate											
Per 100,000 population	10.3	10.5	8.4	10.6	11.0	11.2	12.0	12.6	13.9	16.2	11.0
Per 1,000 registered motor vehicle	1.4	1.4	1.1	1.4	1.4	1.4	1.3	1.3	1.3	1.3	0.8

* Exclude number of accidents involving bicycles only

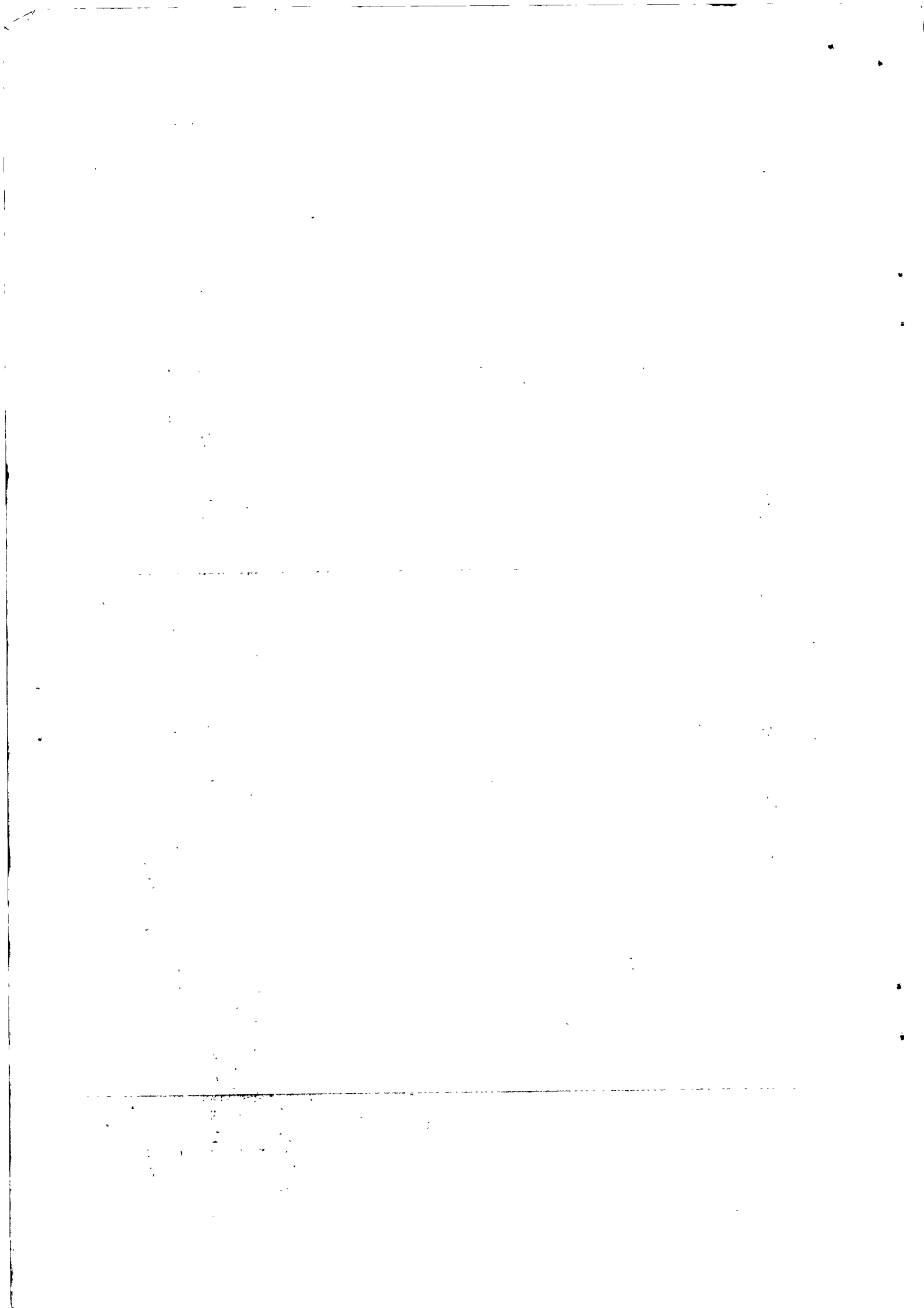


Table 2.3 - Casualties by class of road users, 1991 - 1992

Class of Road users	1991		1992	
	Number	%	Number	%
Pedestrian	1101	27	1198	29
Passenger	945	23	980	23
Driver	286	7	303	7
Rider	1338	33	1376	33
Pedal cyclist	355	9	323	8
All road users	4025	100	4180	100

Fig. 2.2 - Vehicles involved in accidents by type of vehicle, 1992

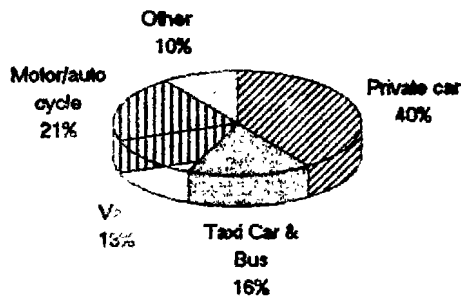


Fig. 2.3 - Casualties by class of road users, 1992

