

**ROAD TRAFFIC ACCIDENTS INVOLVING
CASUALTIES VICTORIA, 1987**

INQUIRIES Inquiries concerning these statistics may be made by telephoning Information Services on Melbourne (03) 615 7000; for advice on the interpretation of these statistics ask for Soo Kong.

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EXPLANATORY NOTES

Introduction

This publication contains statistics of road traffic accidents which were reported to police and which meet the following conditions:

- (a) That the accident occurred during the calendar year 1987.
- (b) That the accident resulted in:
 - (i) the death of any person within a period of thirty days of the accident;
 - (ii) personal injury to the extent that the injured person was admitted to hospital; or
 - (iii) personal injury to the extent that the injured person, although not admitted to hospital, required medical treatment.
- (c) That the accident occurred on any road, street, thoroughfare, footpath, railway level crossing, or any place open to the public.
- (d) That the accident involved one or more road vehicles, which at the time of the accident were in motion, including motor cars, station wagons, utilities, panel vans, motor cycles, trucks, buses, trams and railway vehicles, pedal cycles, and ridden animals.

Source

2. The statistics in this publication are compiled from data provided by the Road Traffic Authority, which edits and verifies accident reports prepared by the Victoria Police.

Reliability

3. The determination of a casualty accident depends in many cases on the police assessment of the severity of the injuries received by persons involved. In addition, procedural and legislative changes introduced in recent years have led to fluctuations in the number of accidents included in the reporting system. This should be noted when using these statistics for the analysis of trends. For details regarding legislative changes, users are referred to the *Motor Car Act 1958* and the *Road Traffic Act 1958*.

Definitions

4. Most of the data items appearing in this publication are self-explanatory. The more important definitions are as follows:

Fatal accident. A road vehicle accident in which at least one person was killed or died within a period of 30 days as a result of the accident. Accidents in which both fatalities and injuries occur are classified as fatal accidents.

Serious injury accident. A non-fatal road vehicle accident resulting in one or more persons being admitted to hospital.

Other injury accident. A non-fatal road vehicle accident resulting in one or more persons requiring medical treatment without admission to hospital.

Unpublished tables

5. In some cases, the ABS can also provide additional information which is unpublished. In general, a charge is made.

Related publications

6. Users may also wish to refer to the following ABS publications which are available on request:
Road Traffic Accidents Involving Fatalities, Australia (9401.0) (monthly) (\$2.00)
Road Traffic Accidents Involving Casualties (Admissions to Hospitals), Australia (9405.0) (quarterly), (\$7.50)

7. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. These are available from any ABS Office.

Electronic services

9. **VIATEL** Key *656# for selected current economic, social, and demographic statistics.

AUSSTATS Thousands of up-to-date time series are available on this ABS on-line service through **CSIRONET**. For further information phone the **AUSSTATS Help Desk** on (062) 52 6017.

TELESTATS This service provides foreign trade statistics tailored to users' requirements. Further information is available on (062) 52 5404.

Symbols and other usages

n.a. not available
 r figure or series revised since previous issue
 * nil or rounded down to zero
 M.S.D. Melbourne Statistical Division

Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

LEON KEMPEN

Acting Deputy Commonwealth Statistician

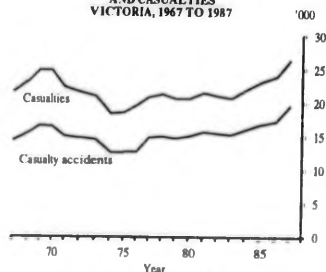
Trends in road traffic accidents, 1967 to 1987

After an early peak in 1969 of 16,500 road traffic accidents involving casualties, there was a gradual decline to the lowest level of 12,500 in 1974. This was a decrease of 24 per cent over 1969. The number of accidents commenced to rise from 15,000 in 1977 to a new peak of 19,500 in 1987. This peak was 13 per cent higher than for 1986.

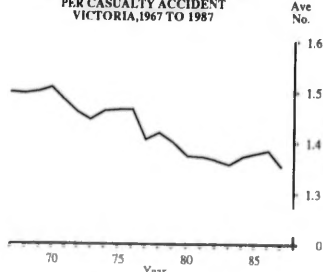
For the twenty-one year period, 1967 to 1987, the 24,800 casualties in 1970 was an early peak. Casualties followed the same trend as accidents to reach the lowest level of 18,300 in 1974, a decrease of 26 per cent from 1970. For the following two years, casualties remained at this level and then gradually increased to a new peak of 26,428 in 1987.

Diagram 1

**CASUALTY ROAD ACCIDENTS
AND CASUALTIES
VICTORIA, 1967 TO 1987**

**Diagram 2**

**AVERAGE NUMBER OF CASUALTIES
PER CASUALTY ACCIDENT
VICTORIA, 1967 TO 1987**



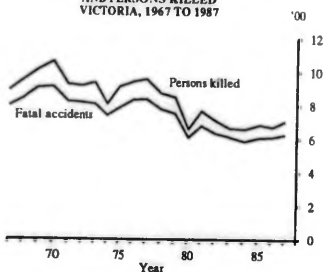
The average number of casualties per casualty accident rose from 1.50 persons in 1967 to 1.51 persons in 1970. The average then declined, with minor upward fluctuations to reach the low point of 1.35 persons in 1987 (Diagram 2).

Road traffic accident fatality rates

In 1987, 705 persons were recorded as killed in 626 fatal road traffic accidents. This was 48 more persons killed than in 1980 and 1984, which, with 657 each, recorded the lowest figure for the 21 year period.

Diagram 3

**FATAL ROAD TRAFFIC ACCIDENTS
AND PERSONS KILLED
VICTORIA, 1967 TO 1987**



The significance of the gradual decline in the number of persons killed in road traffic accidents in Victoria during the twenty-one year period 1967 to 1987 becomes more apparent when examined in terms of movements in the size of the population and the number of motor vehicles registered. Diagram 4 highlights that the number of persons killed per 100,000 mean population dropped from 27.3 in 1967 to 16.8 in 1987. In terms of the number of persons killed in road traffic accidents per 10,000 motor vehicles registered, the rate declined by 63 per cent, from 8 persons in 1967 to 3 persons in 1987 (Diagram 5). In terms of the number of persons killed per 10,000 road traffic casualties, 1976 marked the highest point with 505 persons and 1987 the lowest point with 267 persons (Diagram 6).

NUMBER OF PERSONS KILLED IN ROAD TRAFFIC ACCIDENTS VICTORIA, 1987

Diagram 4

PER 100,000 MEAN POPULATION

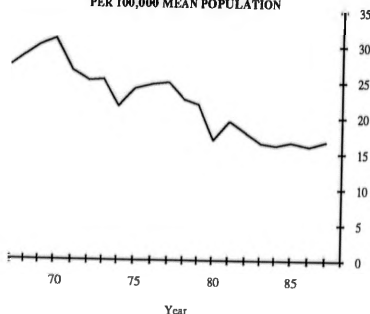


Diagram 5

PER 10,000 MOTOR VEHICLES REGISTERED

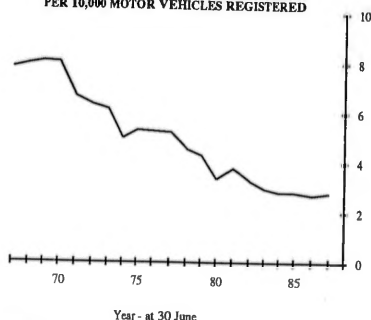


Diagram 6

PER 10,000 CASUALTIES

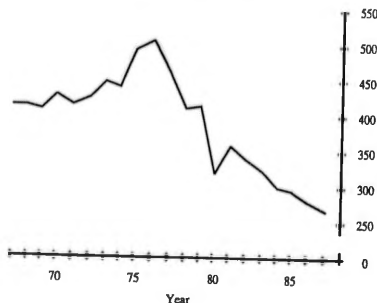


Diagram 7

PROPORTIONAL CHANGES IN CASUALTY CATEGORIES

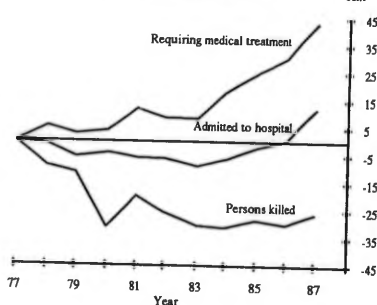
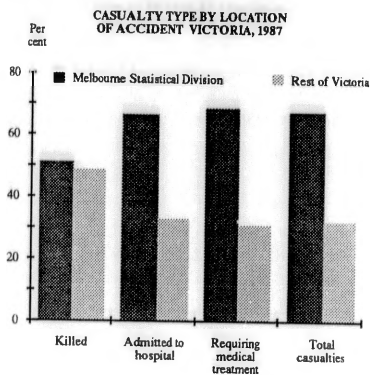


Diagram 7 indicates the percentage change since 1977 for the three casualty categories. The number of persons killed declined as a proportion of total casualties from 4.6 per cent in 1977 to 2.7 per cent in 1987. Similarly, the number of persons admitted to hospital as a proportion of total casualties decreased from 42.4 per cent in 1977 to 37.4 per cent in 1987. In contrast, the proportion of casualties requiring medical treatment increased from 53 per cent in 1977 to 59.9 per cent in 1987.

Where casualties occurred

In 1987, 70 per cent of total accidents occurred in the Melbourne Statistical Division (MSD) but only 52 per cent of fatal accidents occurred there. For road traffic casualties the MSD proportions were 68 per cent of persons involved and 51 per cent of persons killed.

Diagram 8



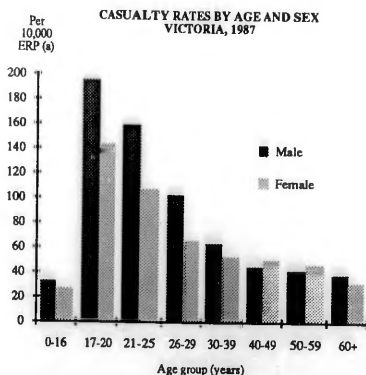
Age and sex of casualty victims

Of the 26,428 road traffic casualties recorded in 1987, males accounted for 56 per cent, a fall of 1 per cent from 1984. In contrast, of the 705 persons killed 70 per cent were male.

The 17-20 years age group, at 30 June 1987 was only 6.8 per cent of the total estimated resident population yet accounted for 18.5 per cent of casualties. The 21-25 years age group figures were 8.3 per cent and 17.7 per cent, respectively. In terms of the number of casualties per 10,000 persons the 17-20 years age group stands out with 170 persons, compared with an average of 63 for all age groups. The 21-25 years age group recorded the second highest average of 134 persons.

The 17-20 years age group incidence of accidents for males was higher than that for females - 196 males compared with 144 females per 10,000 persons in this age group. In contrast, for the 40-49 and 50-59 years age groups the incidence of casualties for males and females is almost the same.

Diagram 9



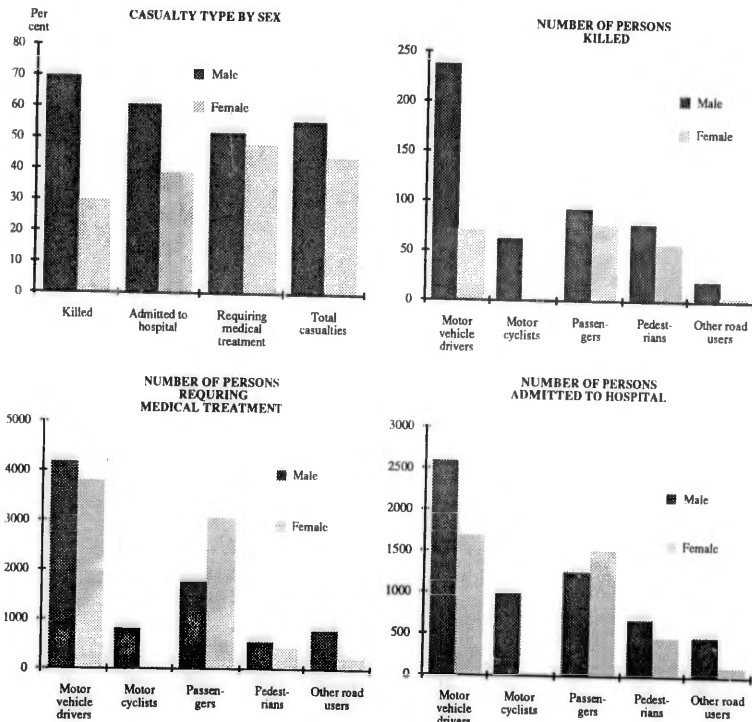
(a) Estimated resident population

Extent of injury by type of road user and sex

Of the 309 motor vehicle drivers killed in road traffic accidents in 1987, 238 were male (77 per cent). This contrasts with male drivers accounting for 60 per cent of injured drivers admitted to hospital (4,301) and 52 per cent of injured drivers requiring medical treatment (8,009).

Of the 2,314 pedestrian casualties, 57 per cent of persons killed were male (66 per cent in 1986), whereas for persons injured and admitted to hospital and persons injured and requiring medical treatment males accounted for 59 per cent and 56 per cent, respectively (61 per cent and 53 per cent in 1986).

Diagram 10

EXTENT OF INJURY BY TYPE OF ROAD USER AND SEX, VICTORIA, 1987

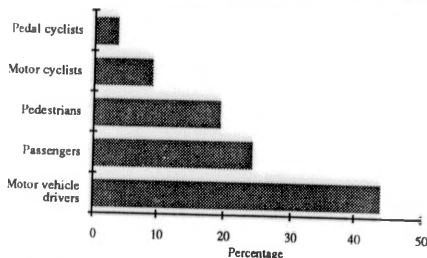
Type of road user killed

Of the 705 persons killed in 1987, 44 per cent were drivers of motor vehicles compared with 42 per cent in 1986. Passengers were the second largest type of road users killed (24 per cent), followed by pedestrians (19 per cent).

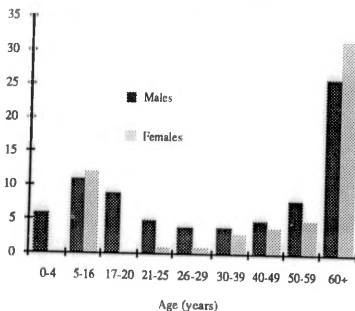
Of the 309 motor vehicle drivers killed, the 17-20, 21-25 and 30-39 years age groups each accounted for 18 per cent while the 60 and over and 40-49 years age groups accounted for 15 per cent and 13 per cent, respectively.

Diagram 11

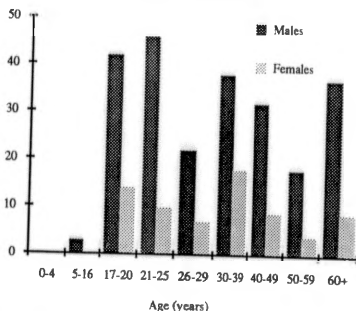
TYPE OF ROAD USER KILLED BY AGE AND SEX, VICTORIA, 1987



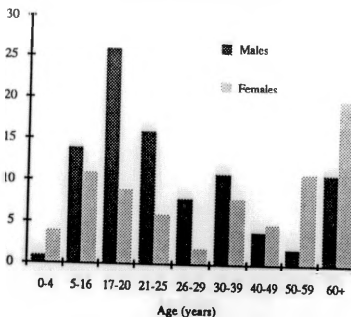
AGE OF PEDESTRIAN KILLED



AGE OF DRIVER KILLED



AGE OF PASSENGER KILLED



When accidents occurred

Of the 19,531 casualty accidents, 3,339 occurred on Fridays compared with a daily average of 2,790. The second highest number of casualty accidents was 3,139 on Saturdays and the lowest number of 2,460 occurred on Mondays (Diagram 12). This pattern is unchanged from 1986. For Mondays to Fridays and Sundays the period 4pm to 6pm showed the highest incidence of casualty accidents, whereas for Saturdays the periods 12 noon to 2pm and 4pm to 6pm were equal highest. The highest number of fatal accidents occurred on Fridays (126) and the lowest on Mondays (69). In 1986 the highest number of fatal accidents occurred on Saturdays (115) and the lowest number on Tuesdays (60).

Diagram 12

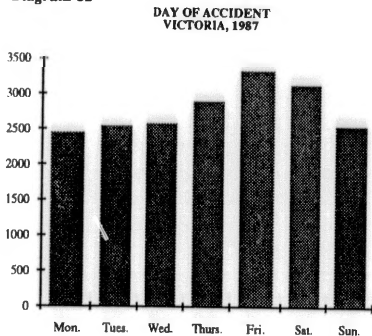
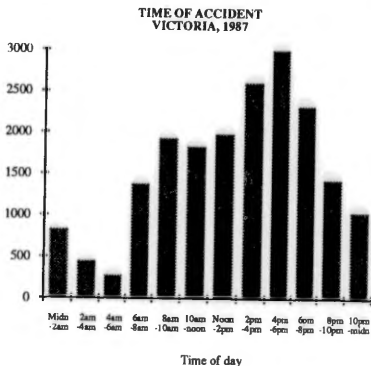


Diagram 13



Blood alcohol content

The proportion of motor vehicle drivers killed, excluding motor cyclists, with blood alcohol content above 0.05 per cent decreased from 34 per cent in 1982 to the lowest point of 29 per cent in 1984 and has since increased to 34 per cent in 1987.

The proportion of motor cyclists killed with blood alcohol content above 0.05 per cent declined considerably from 37 per cent in 1983 to 25 per cent in 1984 and has increased since to 36 per cent in 1987 (Diagram 14).

Diagram 14

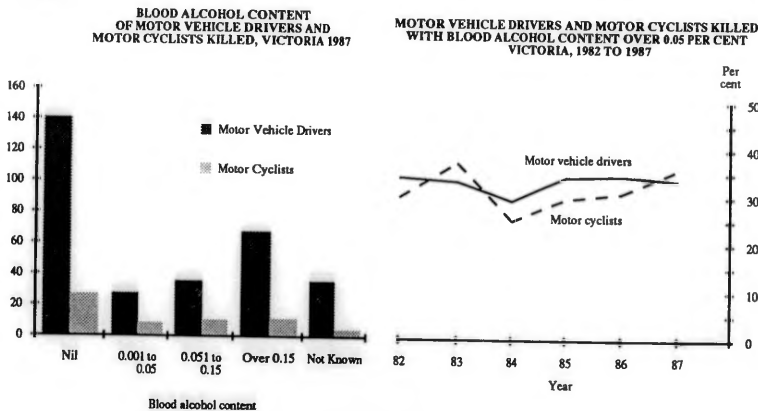


TABLE 1. ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, VICTORIA

Period	Accidents				Casualties			
	Fatal (a)	Serious injury (a)	Other injury (a)	Total accidents	Persons killed	Persons admitted to hospital	Persons requiring medical treatment	Total persons
1982	631	6,404	8,345	15,380	709	8,283	12,010	21,002
1983	610	6,274	8,341	15,225	664	8,039	11,969	20,672
1984	584	6,381	9,036	16,001	657	8,264	13,047	21,968
1985	605	6,616	9,553	16,774	683	8,642	13,810	23,135
1986	610	6,738	9,943	17,291	668	8,866	14,408	23,942
1987	626	7,620	11,285	19,531	705	9,892	15,831	26,428
1987 -								
January	52	590	816	1,458	62	794	1,214	2,070
February	37	563	970	1,570	43	732	1,341	2,116
March	55	591	977	1,623	57	747	1,369	2,173
April	47	607	969	1,623	52	762	1,342	2,156
May	56	663	1,003	1,722	63	862	1,356	2,281
June	55	679	922	1,656	59	866	1,305	2,230
July	54	618	957	1,629	62	796	1,320	2,178
August	46	662	941	1,649	49	868	1,289	2,206
September	47	610	851	1,508	62	799	1,142	2,003
October	55	697	965	1,717	61	924	1,364	2,349
November	50	636	925	1,611	55	812	1,372	2,239
December	72	704	989	1,765	80	930	1,417	2,427

(a) See paragraph 4 of the Explanatory notes.

TABLE 2. ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, VICTORIA AS A PERCENTAGE OF AUSTRALIA

Particulars	Victoria as a percentage of Australia		
	1985	1986	1987
Accidents -			
Fatal (a)	23.0	23.7	25.2
Serious injury (a)	29.3	29.7	n.a.
Casualties -			
Persons killed	23.2	23.1	25.4
Persons admitted to hospital	29.5	30.4	n.a.
Estimated mean resident population at 31 December	26.2	26.0	25.9
Motor vehicles on register at 30 June	26.7	26.7	27.0

(a) See paragraph 4 of the Explanatory notes.

TABLE 3. NUMBER OF FATAL ACCIDENTS, INJURY ACCIDENTS, PERSONS KILLED, AND PERSONS INJURED PER 100,000 MEAN RESIDENT POPULATION AND PER 10,000 MOTOR VEHICLES REGISTERED AT 30 JUNE, VICTORIA

Particulars	1982	1983	1984	1985	1986	1987
PER 100,000 MEAN RESIDENT POPULATION						
Accidents -						
Fatal	15.8	15.1	14.3	14.7	14.6	14.9
Serious injury (a)	160.4	155.4	156.5	160.5	161.8	181.1
Other injury (a)	209.0	206.6	221.6	231.8	238.7	268.1
Total accidents	385.2	377.1	392.4	407.0	415.2	464.1
Casualties -						
Persons killed	17.8	16.4	16.1	16.6	16.0	16.8
Persons admitted to hospital	207.4	199.1	202.6	209.7	212.9	235.0
Persons requiring medical treatment	300.8	296.4	319.9	335.1	346.0	376.1
Total casualties	526.0	512.0	538.7	561.4	574.9	627.9
PER 10,000 MOTOR VEHICLES REGISTERED AT 30 JUNE						
Accidents -						
Fatal	2.8	2.7	2.5	2.5	2.5	2.5
Serious injury (a)	28.5	27.8	27.2	27.1	27.2	30.1
Other injury (a)	37.1	36.9	38.6	39.2	40.1	44.6
Total accidents	68.4	67.4	68.3	68.8	69.8	77.2
Casualties -						
Persons killed	3.2	2.9	2.8	2.8	2.7	2.8
Persons admitted to hospital	36.8	35.6	35.3	35.5	35.8	39.1
Persons requiring medical treatment	53.4	53.0	55.7	56.7	58.2	62.6
Total casualties	93.4	91.6	93.8	94.9	96.7	104.5

(a) See paragraph 4 of the Explanatory notes.

**TABLE 4. ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES
BY STATISTICAL DIVISION, 1987**

Statistical division	Accidents				Casualties			
	Fatal (a)	Serious injury (a)	Other injury (a)	Total accidents	Persons killed	Persons admitted to hospital	Persons requiring medical treatment	Total persons
Melbourne	328	5,234	8,081	13,643	362	6,608	10,912	17,882
Barwon	35	347	520	902	38	451	742	1,231
South Western	15	200	221	436	16	258	343	617
Central Highlands	25	264	438	727	28	367	638	1,033
Wimmera	13	106	73	192	19	157	124	300
Northern Mallee	21	122	186	329	25	175	304	504
Loddon-Campaspe	43	298	438	779	52	417	674	1,143
Goulburn	54	353	390	797	62	521	615	1,198
North Eastern	15	172	245	432	16	218	345	579
East Gippsland	22	143	169	334	23	191	271	485
Central Gippsland	31	274	372	677	34	374	585	993
East Central	24	107	152	283	30	155	278	463
Total Victoria	626	7,620	11,285	19,531	705	9,892	15,831	26,428

(a) See paragraph 4 of the Explanatory notes.

TABLE 5. ROAD TRAFFIC CASUALTIES BY AGE GROUP AND SEX, VICTORIA

Age group (years)											
Year	0-4	5-16	17-20	21-25	26-29	30-39	40-49	50-59	60 and over	Not stated	Total
MALES											
1982	270	1,553	2,735	2,418	1,140	1,456	884	688	825	611	12,580
1983	231	1,524	2,540	2,244	1,027	1,509	823	665	790	649	12,002
1984	260	1,570	2,443	2,397	1,093	1,614	906	701	921	616	12,521
1985	228	1,453	2,494	2,494	1,236	1,764	988	725	920	638	12,940
1986	251	1,546	2,620	2,677	1,267	1,922	1,057	755	967	461	13,523
1987	251	1,590	2,874	2,811	1,460	2,091	1,173	849	1,106	527	14,732
FEMALES											
1982	190	1,044	1,461	1,322	602	1,175	714	666	851	397	8,422
1983	181	1,031	1,432	1,403	648	1,273	750	651	851	450	8,670
1984	173	1,055	1,631	1,524	716	1,381	869	677	908	513	9,447
1985	209	1,082	1,612	1,750	841	1,485	971	752	976	517	10,195
1986	207	1,074	1,794	1,732	847	1,607	1,063	732	1,060	303	10,419
1987	198	1,262	2,015	1,858	932	1,762	1,253	911	1,184	321	11,696
PERSONS											
1982	460	2,597	4,196	3,740	1,742	2,631	1,598	1,354	1,676	1,008	21,002
1983	412	2,555	3,972	3,647	1,675	2,782	1,573	1,316	1,641	1,099	20,672
1984	433	2,625	4,074	3,921	1,809	2,995	1,775	1,378	1,829	1,129	21,968
1985	437	2,535	4,106	4,244	2,077	3,249	1,959	1,477	1,896	1,155	23,135
1986	458	2,620	4,414	4,409	2,114	3,529	2,120	1,487	2,027	764	23,942
1987	449	2,852	4,889	4,669	2,392	3,853	2,426	1,760	2,290	848	26,428

**TABLE 6. ROAD TRAFFIC CASUALTIES BY EXTENT OF INJURY
AND TYPE OF ROAD USER, VICTORIA**

<i>Year</i>	<i>Drivers of motor vehicles</i>	<i>Motor cyclists</i>	<i>Pedal cyclists</i>	<i>Passengers of motor vehicles (including motor cycles)</i>	<i>Pedestrians</i>	<i>Other</i>	<i>Males</i>	<i>Females</i>	<i>Total Persons</i>
PERSONS KILLED									
1982	263	80	26	189	148	3	514	195	709
1983	270	67	30	146	148	3	472	192	664
1984	246	68	28	174	139	2	468	189	657
1985	268	64	26	188	134	3	483	200	683
1986	280	67	16	165	139	1	484	184	668
1987	309	64	25	170	136	1	493	212	705
PERSONS INJURED AND ADMITTED TO HOSPITAL									
1982	3,228	1,141	458	2,365	1,054	37	5,382	2,901	8,283
1983	3,055	1,095	491	2,338	1,024	36	5,068	2,971	8,039
1984	3,271	1,014	481	2,385	1,077	36	5,123	3,141	8,264
1985	3,509	949	470	2,569	1,124	21	5,251	3,391	8,642
1986	3,759	909	400	2,658	1,095	45	5,396	3,470	8,866
1987	4,301	1,034	549	2,789	1,159	60	6,029	3,863	9,892
PERSONS INJURED REQUIRING MEDICAL TREATMENT									
1982	5,343	1,014	728	3,948	906	71	6,684	5,326	12,010
1983	5,444	966	687	3,891	934	47	6,462	5,507	11,969
1984	6,234	887	754	4,220	913	39	6,930	6,117	13,047
1985	6,784	883	749	4,404	933	57	7,206	6,604	13,810
1986	7,135	850	790	4,635	955	43	7,643	6,765	14,408
1987	8,009	882	979	4,860	1,019	82	8,210	7,621	15,831
TOTAL CASUALTIES									
1982	8,834	2,235	1,212	6,502	2,108	111	12,580	8,422	21,002
1983	8,769	2,128	1,208	6,375	2,106	86	12,002	8,670	20,672
1984	9,751	1,969	1,263	6,779	2,129	77	12,521	9,447	21,968
1985	10,561	1,896	1,245	7,161	2,191	81	12,940	10,195	23,135
1986	11,174	1,826	1,206	7,458	2,189	89	13,523	10,419	23,942
1987	12,619	1,980	1,553	7,819	2,314	143	14,732	11,696	26,428

**TABLE 7. ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES BY NATURE OF ACCIDENT,
VICTORIA, 1987**

<i>Nature of accident</i>	<i>Accidents</i>				<i>Casualties</i>			
	<i>Fatal (a)</i>	<i>Serious injury (a)</i>	<i>Other injury (a)</i>	<i>Total accidents</i>	<i>Persons killed</i>	<i>Persons admitted to hospital</i>	<i>Persons requiring medical treatment</i>	<i>Total persons</i>
Vehicle to vehicle collisions								
on carriageway -								
Vehicles in traffic	236	3,889	7,402	11,527	283	5,356	10,617	16,256
Vehicle parked	13	201	291	505	17	227	362	606
Single vehicle accidents								
on carriageway -								
Collision -								
Struck pedestrian	128	1,087	949	2,164	131	1,139	1,036	2,306
Struck animal (not ridden)	4	57	106	167	4	63	138	205
Struck object	22	277	307	606	29	366	457	852
Non collision -								
Overturned	4	48	72	124	4	65	110	179
Fall from moving vehicle	4	96	147	247	4	97	149	250
Ran off carriageway and -								
Struck pedestrian	1	7	-	8	2	12	4	18
Struck vehicle	4	48	53	105	4	68	78	150
Struck animal (not ridden)	-	1	7	8	-	1	9	10
Struck object	177	1,304	1,151	2,632	192	1,778	1,758	3,728
No object struck	29	380	405	814	31	472	639	1,142
Other accident	4	225	395	624	4	248	474	726
Total	626	7,620	11,285	19,531	705	9,892	15,831	26,428

(a) See paragraph 4 of the Explanatory notes.

TABLE 8. ROAD TRAFFIC CASUALTIES: EXTENT OF INJURY BY TYPE OF ROAD USER, AGE GROUP, AND SEX, VICTORIA, 1987

Age group (years)	Males			Females			Persons		
	Killed	Admitted to hospital	Requiring medical treatment	Killed	Admitted to hospital	Requiring medical treatment	Killed	Admitted to hospital	Requiring medical treatment
DRIVERS OF MOTOR VEHICLES									
0-4	-	1	-	-	-	-	-	1	-
5-16	3	16	13	-	5	-	3	21	13
17-20	42	512	692	14	305	647	56	817	1,339
21-25	46	543	842	10	335	774	56	878	1,616
26-29	22	290	462	7	158	419	29	448	881
30-39	38	458	820	18	335	877	56	793	1,697
40-49	32	271	534	9	238	541	41	509	1,075
50-59	18	196	387	4	136	311	22	332	698
60 and over	37	251	396	9	157	230	46	408	626
Not stated	-	61	48	-	33	16	-	94	64
Total	238	2,599	4,194	71	1,702	3,815	309	4,301	8,009
MOTOR CYCLISTS									
0-4	-	-	2	-	-	-	-	-	2
5-16	1	22	9	1	1	-	2	23	9
17-20	19	274	227	-	6	8	19	280	235
21-25	19	328	250	-	18	20	19	346	270
26-29	8	162	158	-	5	6	8	167	164
30-39	11	140	133	-	4	4	11	144	137
40-49	3	31	28	-	1	3	3	32	31
50-59	1	8	16	-	1	2	1	9	18
60 and over	1	5	5	-	-	-	1	5	5
Not stated	-	27	9	-	1	2	-	28	11
Total	63	997	837	1	37	45	64	1,034	882
PEDAL CYCLISTS									
0-4	-	4	5	-	1	1	-	5	6
5-16	5	214	311	2	52	98	7	266	409
17-20	4	39	111	-	13	30	4	52	141
21-25	3	32	64	1	11	24	4	43	88
26-29	1	26	43	-	2	11	1	28	54
30-39	2	29	50	-	7	17	2	36	67
40-49	2	11	29	-	2	4	2	13	33
50-59	2	14	13	-	1	4	2	15	17
60 and over	2	14	20	1	3	4	3	17	24
Not stated	-	63	118	-	11	22	-	74	140
Total	21	446	764	4	103	215	25	549	979
PASSENGERS OF MOTOR VEHICLES (INCLUDING MOTOR CYCLES)									
0-4	1	64	114	4	41	114	5	105	228
5-16	14	212	435	11	256	558	25	468	993
17-20	26	333	438	9	302	589	35	635	1,027
21-25	16	225	315	6	210	384	22	435	699
26-29	8	103	97	2	100	183	10	203	280
30-39	11	113	148	8	137	282	19	250	430
40-49	4	52	69	5	110	256	9	162	325
50-59	2	35	58	11	109	246	13	144	304
60 and over	11	58	73	20	200	343	31	258	416
Not stated	-	68	53	1	61	105	1	129	158
Total	93	1,263	1,800	77	1,526	3,060	170	2,789	4,860

TABLE 8. ROAD TRAFFIC CASUALTIES: EXTENT OF INJURY BY TYPE OF ROAD USER,
AGE GROUP, AND SEX, VICTORIA, 1987 - continued

Age group (years)	Males			Females			Persons		
	Killed	Admitted to hospital	Requiring medical treatment	Killed	Admitted to hospital	Requiring medical treatment	Killed	Admitted to hospital	Requiring medical treatment
PEDESTRIANS									
0-4	6	32	22	-	17	18	6	49	40
5-16	11	163	148	12	115	137	23	278	285
17-20	9	69	70	-	42	44	9	111	114
21-25	5	57	58	1	35	24	6	92	82
26-29	4	39	29	1	20	17	5	59	46
30-39	4	71	47	3	36	32	7	107	79
40-49	5	53	39	4	32	40	9	85	79
50-59	8	46	38	5	37	41	13	83	79
60 and over	26	112	93	32	109	75	58	221	168
Not stated	-	44	21	-	30	26	-	74	47
Total	78	686	565	58	473	454	136	1,159	1,019
ALL OTHERS									
0-4	-	-	-	-	-	2	-	-	2
5-16	-	6	7	1	5	8	1	11	15
17-20	-	5	4	-	1	5	-	6	9
21-25	-	3	5	-	2	3	-	5	8
26-29	-	4	4	-	1	-	-	5	4
30-39	-	7	9	-	1	1	-	8	10
40-49	-	5	5	-	5	3	-	10	8
50-59	-	3	4	-	2	1	-	5	5
60 and over	-	-	2	-	-	1	-	-	3
Not stated	-	5	10	-	5	8	-	10	18
Total	-	38	50	1	22	32	1	60	82
ALL ROAD USERS									
0-4	7	101	143	4	59	135	11	160	278
5-16	34	633	923	27	434	801	61	1,067	1,724
17-20	100	1,232	1,542	23	669	1,323	123	1,901	2,865
21-25	89	1,188	1,534	18	611	1,229	107	1,799	2,763
26-29	43	624	793	10	286	636	53	910	1,429
30-39	66	818	1,207	29	520	1,213	95	1,338	2,420
40-49	46	423	704	18	388	847	64	811	1,551
50-59	31	302	516	20	286	605	51	588	1,121
60 and over	77	440	589	62	469	653	139	909	1,242
Not stated	-	268	259	1	141	179	1	409	438
Total	493	6,029	8,210	212	3,863	7,621	705	9,892	15,831

TABLE 9. ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES BY TYPE AND FEATURES OF ROADWAY, VICTORIA, 1987

Features of roadway	Accidents				Casualties			
	Fatal (a)	Serious injury (a)	Other injury (a)	Total accidents	Persons killed	Persons admitted to hospital	Persons requiring medical treatment	Total persons
At intersection -								
Cross intersection	101	2,022	3,219	5,342	110	2,607	4,623	7,340
T intersection	78	1,565	2,751	4,394	85	1,998	3,710	5,793
Y intersection	5	72	104	181	5	88	142	235
Multiple intersection	9	117	233	359	11	152	343	506
Total	193	3,776	6,307	10,276	211	4,845	8,818	13,874
Road character (b) at intersection -								
Straight	180	3,638	6,165	9,983	194	4,672	8,604	13,470
Curve	12	115	119	246	16	147	187	350
Divided road	22	547	959	1,528	22	690	1,389	2,101
Roundabout	-	68	167	235	-	82	203	285
Driveway or crossover	-	19	40	59	-	21	46	67
Roadworks	-	1	1	2	-	1	1	2
Railway level crossing	4	7	6	17	4	7	7	18
Bridge, culvert, or causeway	-	1	4	5	-	1	4	5
Not at intersection	433	3,844	4,978	9,255	494	5,047	7,013	12,554
Road character (b) not at intersection -								
Straight	303	2,936	4,069	7,308	348	3,778	5,540	9,666
Curve	130	876	869	1,875	146	1,228	1,423	2,797
Divided road	21	352	463	836	22	447	649	1,118
Median opening	-	4	7	11	-	4	9	13
Driveway or crossover	2	125	276	403	2	146	357	505
Roadworks	1	4	3	8	1	4	5	10
Railway level crossing	8	7	15	30	10	15	22	47
Bridge, culvert, or causeway	2	6	6	14	2	6	10	18
Total accidents	626	7,620	11,285	19,531	705	9,892	1,583	26,428

(a) See paragraph 4 of the Explanatory notes. (b) The road character at the site of an accident which can be a combination of one or more of the following characteristics.

TABLE 10. ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES BY
TIME AND DAY OF OCCURRENCE, VICTORIA, 1987

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Time of day	Day of week							Total	Per cent
	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
FATAL ACCIDENTS (a)									
After midnight to 2am	1	3	2	9	7	17	17	56	8.9
After 2am to 4am	1	-	2	2	6	10	12	33	5.3
After 4am to 6am	2	1	-	3	4	4	2	16	2.6
After 6am to 8am	5	9	7	5	4	6	2	38	6.1
After 8am to 10am	2	6	10	3	9	3	2	35	5.6
After 10am to 12 noon	8	7	6	11	11	8	5	56	8.9
After 12 noon to 2pm	8	9	6	8	4	4	7	46	7.3
After 2pm to 4pm	10	8	10	11	16	9	6	70	11.2
After 4pm to 6pm	7	7	7	13	13	12	13	72	11.5
After 6pm to 8pm	10	10	9	11	18	15	6	79	12.6
After 8pm to 10pm	11	6	2	7	20	7	10	63	10.1
After 10pm to midnight	4	4	13	13	14	12	2	62	9.9
Not stated	-	-	-	-	-	-	-	-	-
Total	69	70	74	96	126	107	84	626	100.0
Per cent	11.0	11.2	11.8	15.3	20.1	17.1	13.4	100.0	100.0
SERIOUS INJURY ACCIDENTS (a)									
After midnight to 2am	27	29	29	44	83	110	114	436	5.7
After 2am to 4am	12	11	8	23	37	66	88	245	3.2
After 4am to 6am	17	11	8	18	18	43	46	161	2.1
After 6am to 8am	66	98	81	100	81	33	35	494	6.5
After 8am to 10am	84	116	100	105	91	81	55	632	8.3
After 10am to 12 noon	82	93	81	91	93	138	100	678	8.9
After 12 noon to 2pm	92	74	89	95	102	146	95	693	9.1
After 2pm to 4pm	157	127	120	126	166	149	115	960	12.6
After 4pm to 6pm	147	206	186	170	190	172	154	1,225	16.1
After 6pm to 8pm	99	124	133	134	180	156	126	952	12.5
After 8pm to 10pm	68	72	79	88	124	105	90	626	8.2
After 10pm to midnight	50	40	56	76	115	103	40	480	6.3
Not stated	5	4	4	4	6	5	10	38	0.5
Total	906	1,005	974	1,074	1,286	1,307	1,068	7,620	100.0
Per cent	11.9	13.2	12.8	14.1	16.9	17.2	14.0	100.0	100.0
OTHER INJURY ACCIDENTS (a)									
After midnight to 2am	25	17	16	32	50	103	106	349	3.1
After 2am to 4am	4	7	9	15	37	51	59	182	1.6
After 4am to 6am	9	10	18	18	11	20	23	109	1.0
After 6am to 8am	145	147	154	180	136	56	37	855	7.6
After 8am to 10am	205	202	219	245	199	138	69	1,277	11.3
After 10am to 12 noon	129	136	134	165	158	234	150	1,106	9.8
After 12 noon to 2pm	166	166	151	160	184	243	185	1,255	11.1
After 2pm to 4pm	238	196	235	215	286	231	183	1,584	14.0
After 4pm to 6pm	288	269	312	312	327	209	240	1,957	17.3
After 6pm to 8pm	142	179	154	208	252	195	174	1,304	11.6
After 8pm to 10pm	83	101	75	99	160	128	110	756	6.7
After 10pm to midnight	46	45	59	71	121	110	58	510	4.5
Not stated	5	2	4	10	6	7	7	41	0.4
Total	1,485	1,477	1,540	1,730	1,927	1,725	1,401	11,285	100.0
Per cent	13.2	13.1	13.6	15.3	17.1	15.3	12.4	100.0	100.0

(a) See paragraph 4 of the Explanatory notes.

(a) See paragraph 4 of the Explanatory notes.

TABLE 10. ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES BY
TIME AND DAY OF OCCURRENCE, VICTORIA, 1987 - continued

Time of day	Day of week							Total	Per cent
	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
TOTAL ACCIDENTS									
After midnight to 2am	53	49	47	85	140	230	237	841	4.3
After 2am to 4am	17	18	19	40	80	127	159	460	2.4
After 4am to 6am	28	22	26	39	33	67	71	286	1.5
After 6am to 8am	216	254	242	285	221	95	74	1,387	7.1
After 8am to 10am	291	324	329	353	299	222	126	1,944	10.0
After 10am to 12 noon	219	236	221	267	262	380	255	1,840	9.4
After 12 noon to 2pm	266	249	246	263	290	393	287	1,994	10.2
After 2pm to 4pm	405	331	365	352	468	389	304	2,614	13.4
After 4pm to 6pm	442	482	505	495	530	393	407	3,254	16.7
After 6pm to 8pm	251	313	296	353	450	366	306	2,335	12.0
After 8pm to 10pm	162	179	156	194	304	240	210	1,445	7.4
After 10pm to midnight	100	89	128	160	250	225	100	1,052	5.4
Not stated	10	6	8	14	12	12	17	79	0.4
Total	2,460	2,552	2,588	2,900	3,339	3,139	2,553	19,531	100.0
Per cent	12.6	13.1	13.3	14.8	17.1	16.1	13.1	100.0	100.0

TABLE 11. BLOOD ALCOHOL CONTENT OF MOTOR VEHICLE DRIVERS KILLED,
VICTORIA, 1982 TO 1987

Blood alcohol content	1982	1983	1984	1985	1986	1987
DRIVERS OF MOTOR VEHICLES						
Nil	134	146	136	133	130	141
0.001 to 0.05	14	10	8	14	23	28
0.051 to 0.15	31	34	21	35	26	36
Over 0.15	59	56	52	58	71	68
Not known	25	24	32	31	30	36
Total	263	270	249	271	280	309
MOTOR CYCLISTS						
Nil	43	32	41	31	31	27
0.001 to 0.05	5	7	2	7	6	9
0.051 to 0.15	9	12	8	7	8	11
Over 0.15	15	13	9	12	13	12
Not known	8	3	8	7	10	5
Total	80	67	68	64	68	64
TOTAL DRIVERS OF MOTOR VEHICLES (INCLUDING MOTOR CYCLES)						
Nil	177	178	177	164	161	168
0.001 to 0.05	19	17	10	21	29	37
0.051 to 0.15	40	46	29	42	34	47
Over 0.15	74	69	61	70	84	80
Not known	33	27	40	38	40	41
Total	343	337	317	335	348	373