



# ROAD ACCIDENT FACTS

## IRELAND

### 2002

*THIS REPORT IS BASED ON  
ROAD ACCIDENT INFORMATION  
RECORDED BY  
AN GARDA SÍOCHÁNA*

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## **Acknowledgements**

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# SUMMARY

## Persons Killed

A total of 376 persons were killed in 346 fatal accidents on Irish roads in 2002. This represents a decline of 35 fatalities (or nine per cent) from 2001.

The reduction in fatalities was mainly concentrated in the last two months of the year; there were 33 fewer fatalities in November and December 2002 (44) than the same months in 2001 (77). This sharp reduction in fatalities co-incident with the introduction of the new Penalty Points system on Thursday 31st October, 2002. The initial focus of the Penalty Points system related to speeding offences.

## Road User Category

Compared with 2001 there was a significant reduction (13 per cent) in the number of car user fatalities in the year 2002. The number of pedal cyclist fatalities rose by 6 to 18. The number of motor cyclist fatalities fell by 6 to 44 in 2002. The number of pedestrian fatalities fell by 3 to 86, while the number of 'other road users' killed fell by 2 to 28 in 2002.

## Primary Collision Type

Single vehicle accidents were reported in 30 per cent of fatal accidents, representing a decrease of 1 percentage point over the 2001 situation. This collision type, which involves no other road user, is strongly associated with two causal factors, namely excessive speed and / or alcohol. By means of contrast, single vehicle only accidents accounted for only 16 per cent of injury accidents. Head-on collisions accounted for over a quarter (28%) of fatal accidents and a fifth (20%) of injury accidents, while pedestrian accidents comprised 25 per cent of fatal accidents and 17 per cent of injury accidents. Single vehicle, head-on and pedestrian accidents all account for a greater percentage of fatal than injury accidents, indicating these accident types are, on average, more severe than at angle, rear-end or 'other' accident types, which account for 47 per cent of injury accidents but only 17 per cent of fatal accidents.

## **Date and Time**

The worst month for fatalities in 2002 was July when 42 persons died in 34 fatal accidents. May recorded the fewest fatalities with 20 killed in 19 fatal accidents.

The number of fatal accidents between the hours of 9.00 pm and 3.00 am, the hours most strongly associated with drinking and driving, in 2002 was 112, with 121 persons being killed in such accidents. This period accounted for 32 per cent of both fatal accidents and fatalities in 2002.

The number of persons killed during the later hours of darkness (between 3.00 am and 6.00 am) at 40 decreased by 3 from the 2001 level. Fatalities that occurred during these hours accounted for approximately 11 per cent of all road accident fatalities in 2002, an increase of 1 percentage point from 2001.

The worst days of the week for fatalities during 2002 were Sundays and Mondays. These two days together accounted for 140 fatalities, or 37 per cent of total. The days of the week with the fewest associated fatalities were Tuesday, Wednesday and Saturday, on which days 130 persons, or 35 per cent of total, died.

## **Location**

Twenty-eight per cent of all fatal accidents in 2002 occurred on urban roads. The percentage of fatal accidents occurring on rural roads in 2002 remained unchanged from 2001 at 72 per cent. Forty-three per cent of all fatal accidents occurred on national roads, an increase of two per cent on the 2001 figure.

On a county-by-county basis, Longford experienced the highest accident rate both on a per 1,000 population (3.1) basis and on a per 1,000 registered vehicles basis (6.2).

Cork recorded the highest accident rate on a vehicle kilometer basis (2.6 accidents per 10 million vehicle kilometers travelled).

## **International Comparisons**

On the basis of road deaths per 100,000 population, Ireland's rate at 10.7 in 2001, the latest year for which international comparative information is available, ranked seventh out of 15 Member States of the European Union.

## Coverage of the Report

This report covers all road traffic accidents reported to the Garda Síochána, where details were forwarded to the National Roads Authority, involving fatalities, personal injury or material damage which occurred on public roads in Ireland (exclusive of Northern Ireland) in 2002.

Accidents on private property, such as railway station approaches or private lanes, are excluded.

### All Road Accidents

By 'all reported road accidents' is meant all accidents investigated by or brought to the notice of the Garda Síochána where the exact location of the accident can be determined.

### Accidents and Casualties

Road accidents are classified as fatal, personal injury or material damage; casualties are classified as either killed or injured.

#### Fatal Accident:

Where at least one person is killed as a result of the accident and death occurs within 30 days.

#### Serious Injury Accident:

Where there are no deaths, but a person or persons are seriously injured.

The definition of "serious injury" is an injury for which the person is detained in hospital as an 'in-patient', or any of the following injuries whether or not detained in hospital: fractures, concussion, internal injuries, crushings, severe cuts and lacerations, severe general shock requiring medical treatment.

#### Minor Injury Accident:

Where there are no deaths or serious injuries. The definition of a "minor injury" is: an injury of a minor character such as a sprain or bruise.

#### Material Damage Accident:

Where no deaths or injuries occur but damage is caused to a vehicle or property.

### Learner Driver

A learner driver is a driver holding a provisional licence.

## Vehicles

Vehicles are classified as follows -

### 1. Pedal Cycle

A pedal cycle is a two or three-wheeled road vehicle fitted with pedals deriving its sole means of propulsion from human power.

### 2. Motor Cycle

A motor cycle is any mechanically propelled two-wheeled machine and includes mopeds and motor scooters.

### 3. Car

A passenger road motor vehicle, other than a motor cycle, seating not more than eight passengers (excluding the driver).

### 4. Public Service Vehicle (P.S.V.)

A passenger road motor vehicle having seating accommodation for more than eight passengers (excluding the driver), and used for the carriage of passengers for reward.

### 5. Goods Vehicle

A road motor vehicle designed, exclusively or primarily, to carry goods.

### 6 Other Motor Vehicles

Other motor vehicles are miscellaneous types of motor vehicle not falling into any of the main categories.

## Rural Area

A rural area is defined as an area where the speed limit zone is greater than 40 m.p.h.

## Urban Area

An urban area is defined as an area where the speed limit zone is less than or equal to 40 m.p.h.

## Built-up Area

A built-up area means an area within a 30 to 40 m.p.h. speed limit zone.

## Dark

By 'dark' is meant the hours of darkness which begin half an hour after sunset and end half an hour before sunrise.





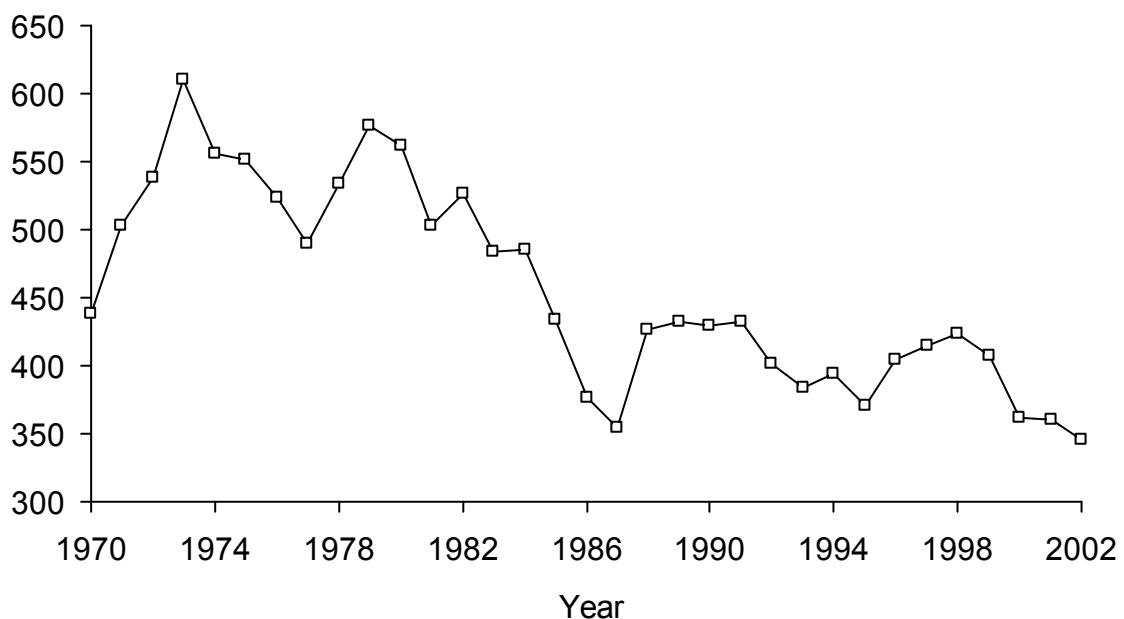
# Section 1: Accidents

## Persons Killed

A total of 376 persons were killed in 346 fatal accidents on Irish roads in 2002. This represents a decline of 35 fatalities (or nine per cent) from 2001.

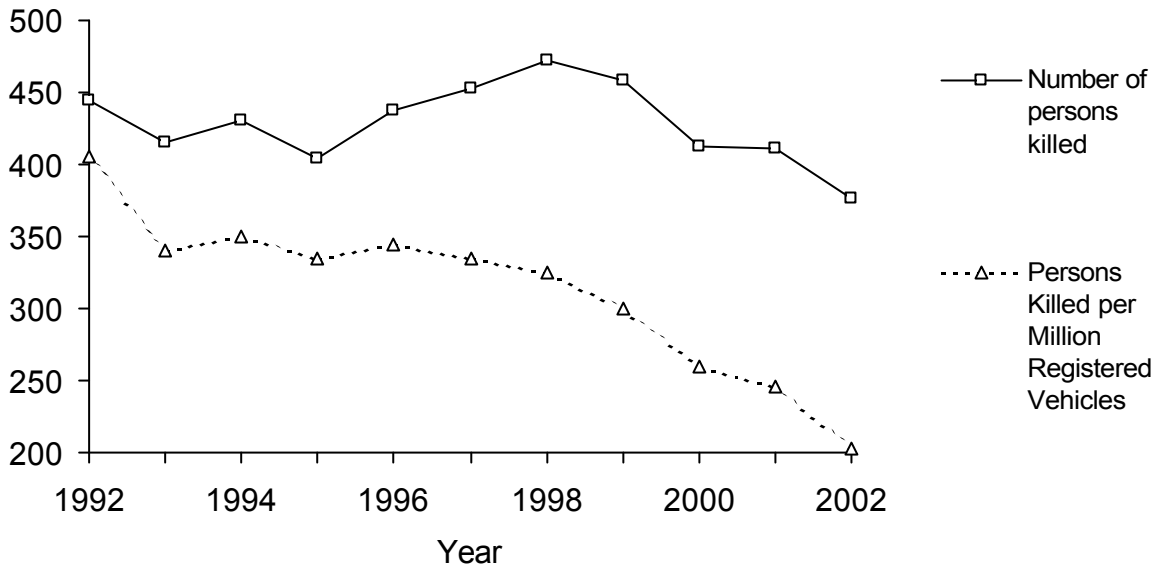
The reduction in fatalities was mainly concentrated in the last two months of the year; there were 33 fewer fatalities in November and December 2002 (44) than the same months in 2001 (77). This sharp reduction in fatalities co-incident with the introduction of the new Penalty Points system on Thursday 31st October, 2002. The initial focus of the Penalty Points system related to speeding offences.

**Figure 1: Number of Fatal Accidents, 1970-2002**

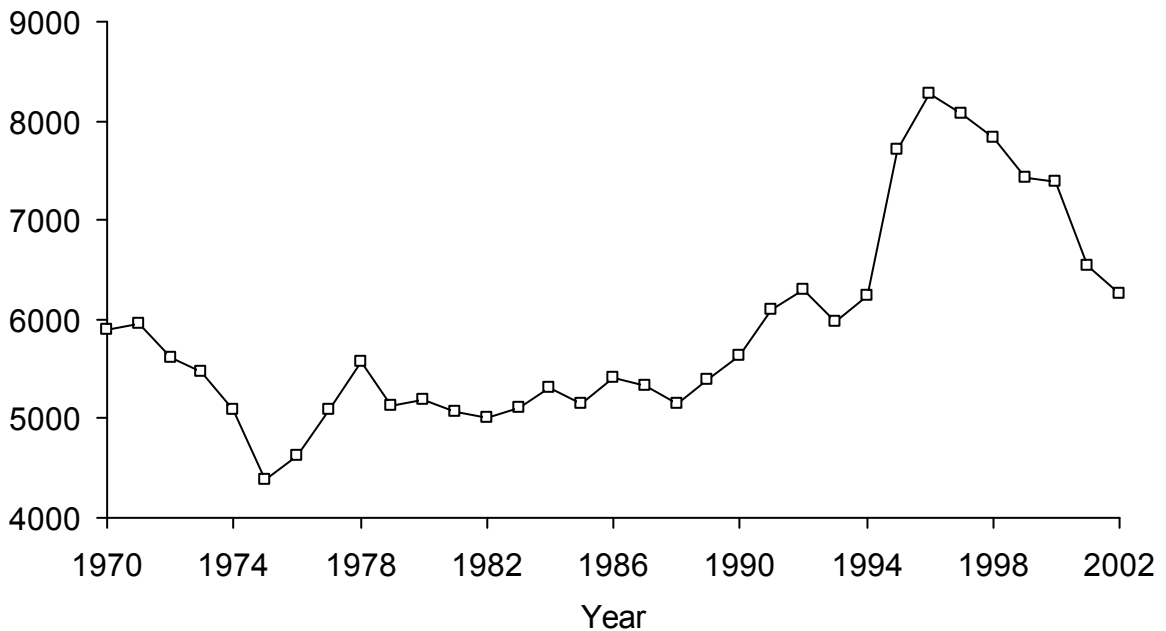


The fatality rate, the number of persons killed per million registered vehicles fell by approximately 12 per cent in the year 2002 compared to 2001.

**Figure 2: Number of Persons Killed and Fatality Rate per Million Registered Vehicles, 1992-2002**

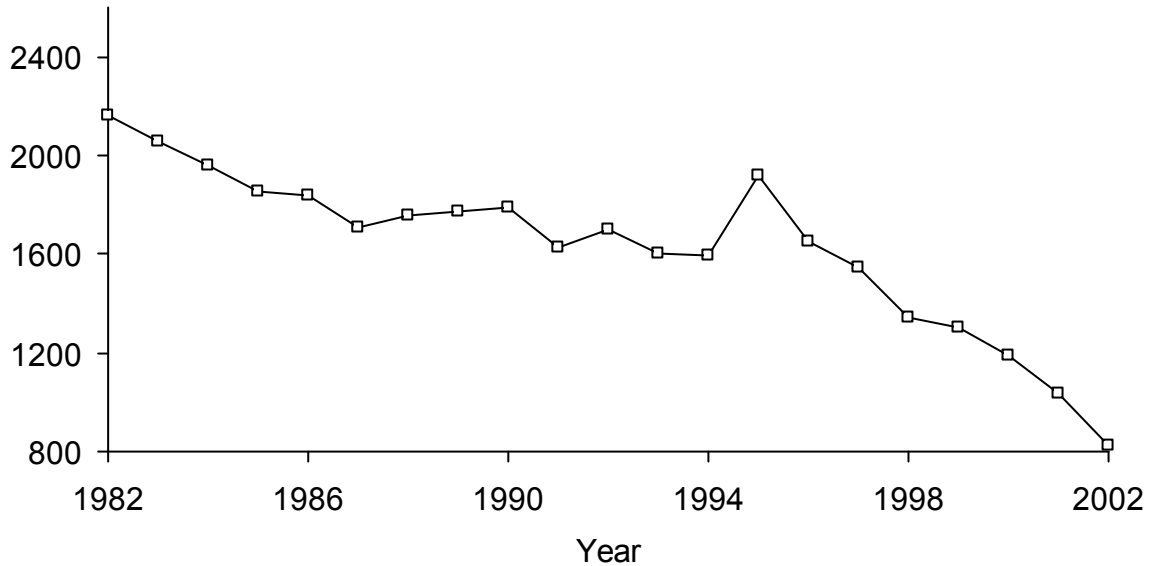


**Figure 3: Number of Injury Accidents, 1970-2002\***



\* Increase in reporting level in 1995 in part due to a change in arrangements relating to reporting of injury accidents. Fall in reporting level in 2001 due in part to change in accident reporting system.

**Figure 4: Number of Serious Injury Accidents,  
1982-2002\***



\* Note: Changes were made to the accident reporting system in both 1995 and 2001 which may have affected the trend in the number of reported serious injury accidents in said years.

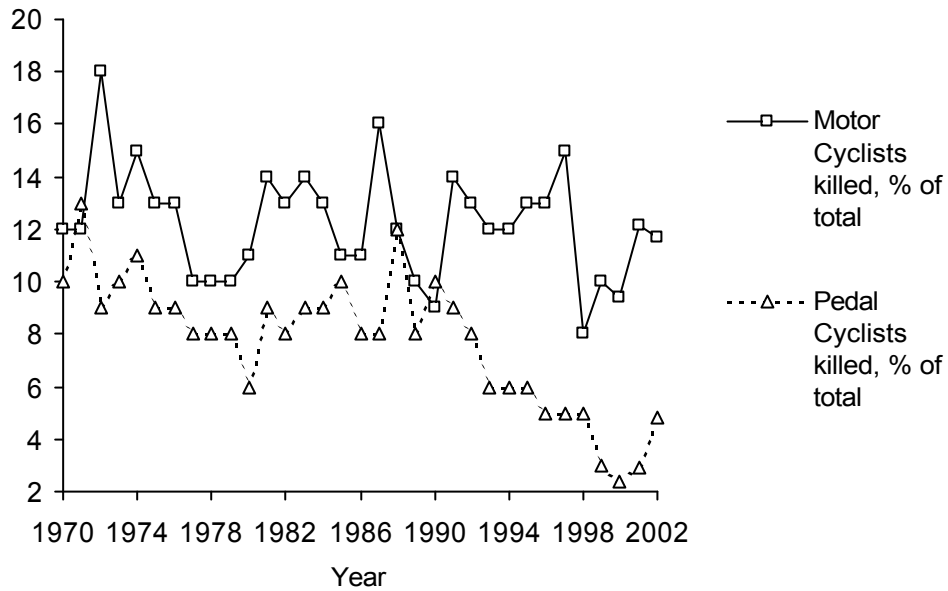
### **Material Damage Accidents**

The number of reported material damage accidents (where no injuries or fatalities are sustained but material damage is caused to the vehicle and / or property) fell from 21,191 in 2001 to 17,915 in 2002. This may have been affected by changes to the accident recording system in late 2001.

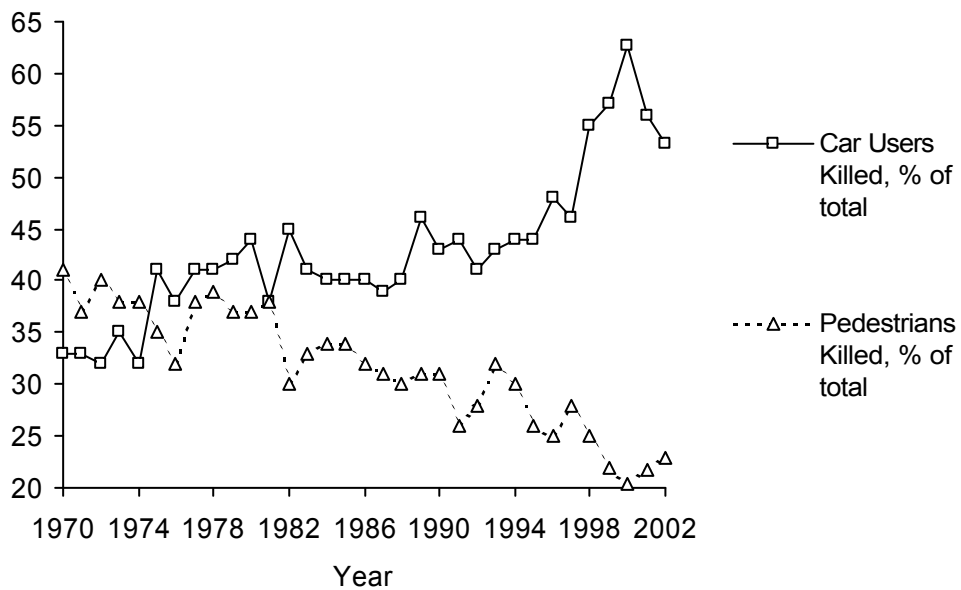
### **Road User Category**

Compared with 2001 there was a significant reduction (13 per cent) in the number of car user fatalities in 2002. The number of pedal cyclist fatalities rose by 6 to 18 while the number of motor cyclist fatalities fell by 6 to 44. The number of pedestrian fatalities fell by 3 to 86, while the number of 'other road users' killed fell by 2 to 28 in 2002.

**Figure 5: Motor Cyclists and Pedal Cyclists Killed, Percentage of Total, 1970-2002**



**Figure 6: Pedestrians and Car Users Killed, Percentage of Total, 1970-2002**



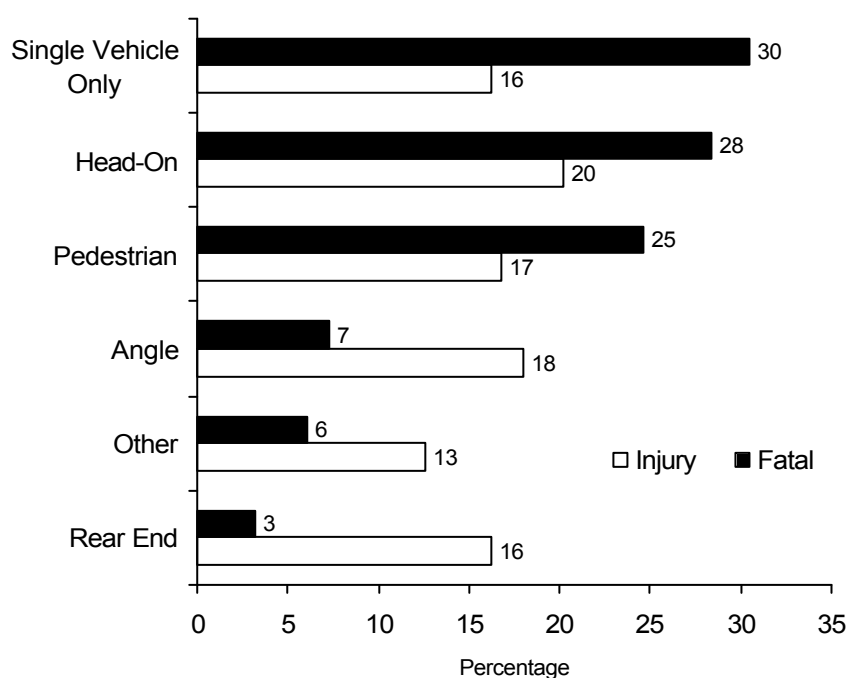
## Primary Collision Type

Single vehicle accidents were reported in 30 per cent of fatal accidents, representing a decrease of 1 percentage point over the 2001 situation. This collision type, which involves no other road user, is strongly associated with two causal factors, namely excessive speed and / or alcohol. By means of contrast, single vehicle only accidents accounted for only 16 per cent of injury accidents.

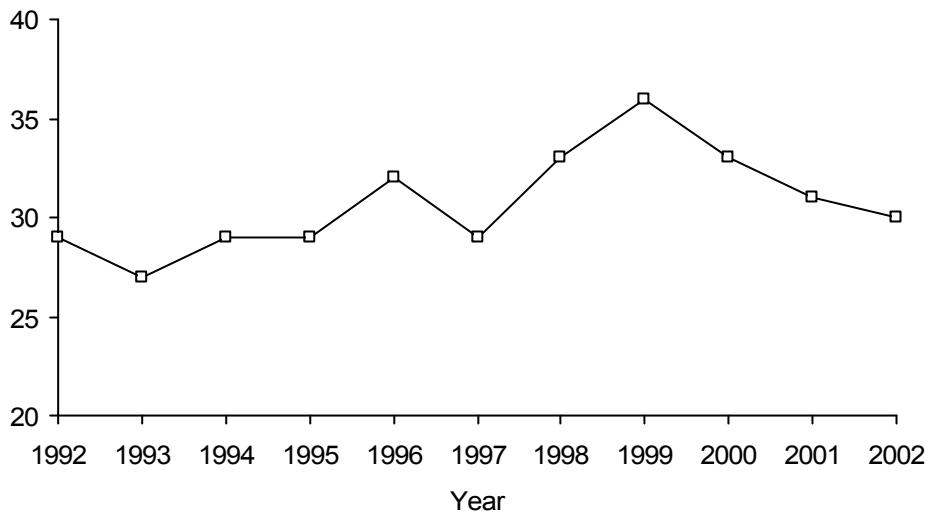
Head-on collisions accounted for over a quarter (28%) of fatal accidents and a fifth (20%) of injury accidents, pedestrian accidents comprised 25 per cent of fatal accidents and 17 per cent of injury accidents.

Single vehicle, head-on and pedestrian accidents all account for a greater percentage of fatal than injury accidents, indicating these accident types are, on average, more severe than at angle, rear-end or 'other' accident types, which account for 47 per cent of injury accidents but only 17 per cent of fatal accidents.

**Figure 7: Percentage of Fatal and Personal Injury Accidents by Primary Collision Type**



**Figure 8: Percentage of Fatal Accidents Involving a Single Vehicle Only, 1992-2002**



### **Contributory Factors to Road Accidents**

The contributory factors listed by members of An Garda Síochána reports on fatal and injury accidents changed little from 2001 (see Table 17). Driver error accounted for 86 per cent of all contributory factors listed in such accidents, while the next most-listed factor, pedestrian error, accounted for less than 10 per cent. Road factors accounted for 2.5 per cent of all listed contributory factors, while the figures for vehicle and environmental factors were 0.3 and 1.4 per cent respectively.

In two vehicle only fatal accidents - see figure 9 - the most frequently cited contributory factor is 'went to the wrong side of road' (39%), followed in turn by 'other action' (24%), 'exceeded safe speed limit' (20%), 'drove through stop/yield' (9%), 'improper overtaking' (5%), 'failed to signal' (2%) and 'drove through traffic signal' (1%).

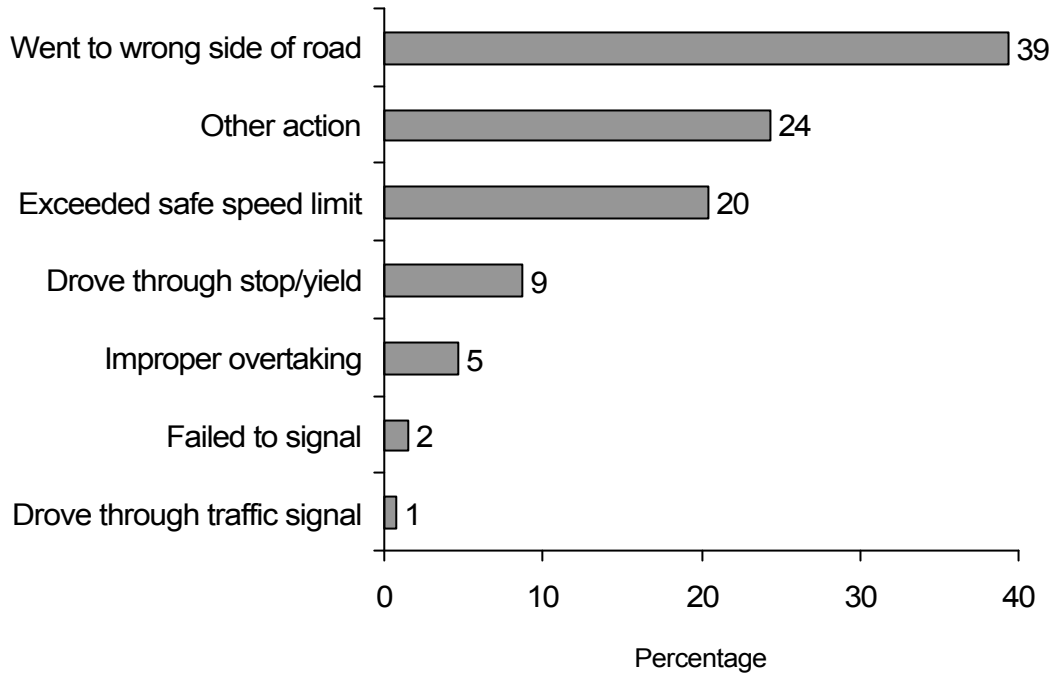
### **Accident Costs**

By applying the consumer price increase to the 2001 accident costs, outlined in Road Accident Facts 2001, it is estimated that the cost of a fatal accident in 2002 prices was €1,357,489, while serious and minor injury accident costs are estimated at €168,461 and €16,142 respectively. The cost of a typical material damage accident is valued at €1,758. The total cost of road accidents in 2002 reported to and recorded by An Garda Síochána is estimated to be in the region of €728 million.

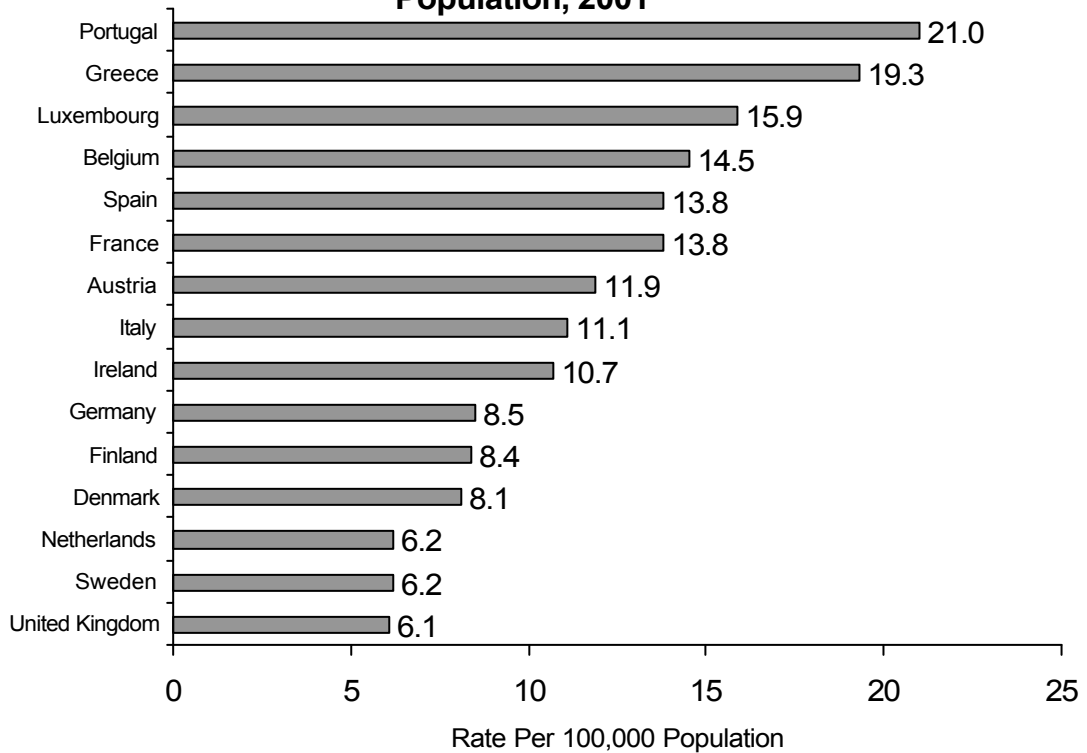
### **International Comparisons**

On the basis of road deaths per 100,000 population, Ireland's rate at 10.7 in 2001, the latest year for which international comparative information is available, ranked seventh out of 15 Member States of the European Union.

**Figure 9: Two Vehicle Fatal Accidents in 2002 Classified by Contributory Action**



**Figure 10: European Union Fatality Rate per 100,000 Population, 2001\***

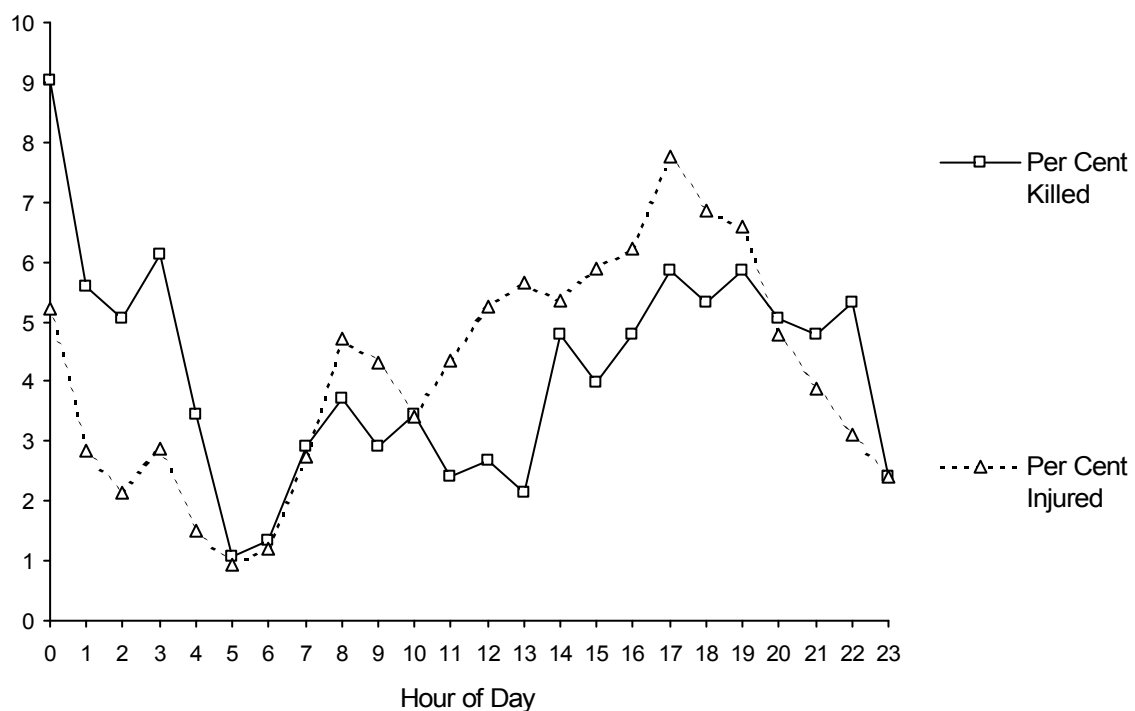


\* Figures for Italy and Greece refer to 2000 data.

## Section 2: Date and Time

The worst month for fatalities in 2002 was July when 42 persons died in 34 fatal accidents. May recorded the fewest fatalities with 20 killed in 19 fatal accidents.

**Figure 11: Percentage of Persons Killed and Injured Classified by Hour of Day**

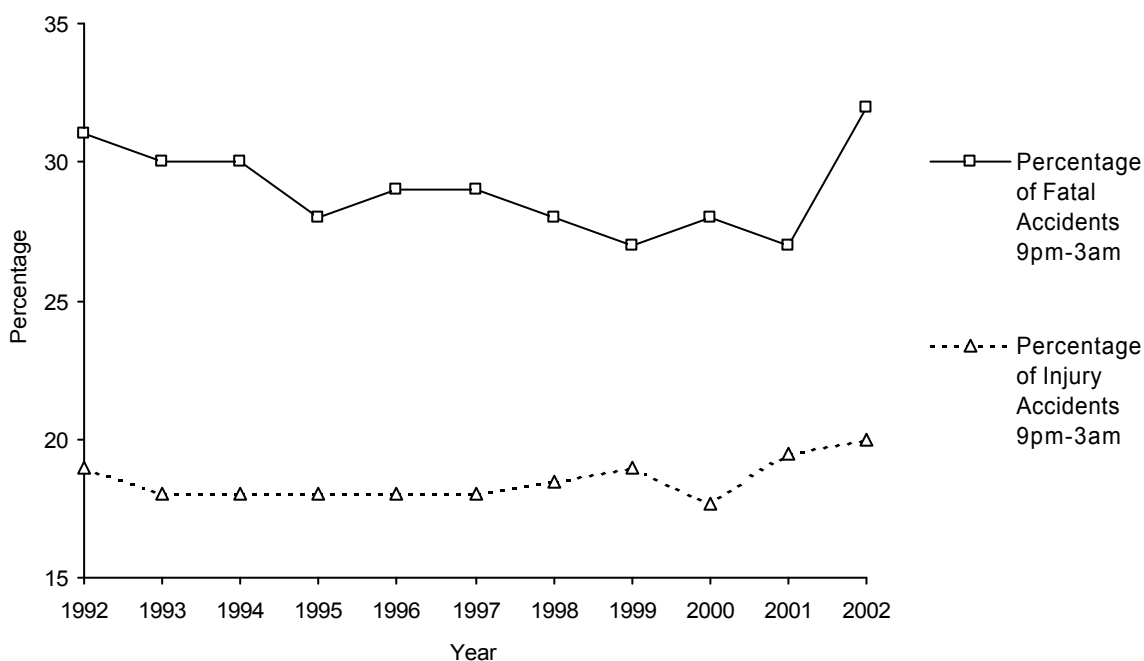


The number of fatal accidents between the hours of 9.00 pm and 3.00 am, the hours most strongly associated with drinking and driving, in 2002 was 112, with 121 persons being killed in such accidents. This period accounted for 32 per cent of both fatal accidents and fatalities in 2002.



The number of persons killed during the later hours of darkness (between 3.00 am and 6.00 am) at 40 decreased by 3 from the 2001 level. Fatalities that occurred during these hours accounted for approximately 11 per cent of all road accident fatalities in 2002, an increase of 1 percentage point over the total for 2001.

**Figure 12: Percentage of Fatal and Injury Accidents 9pm - 3am, 1992-2002.**

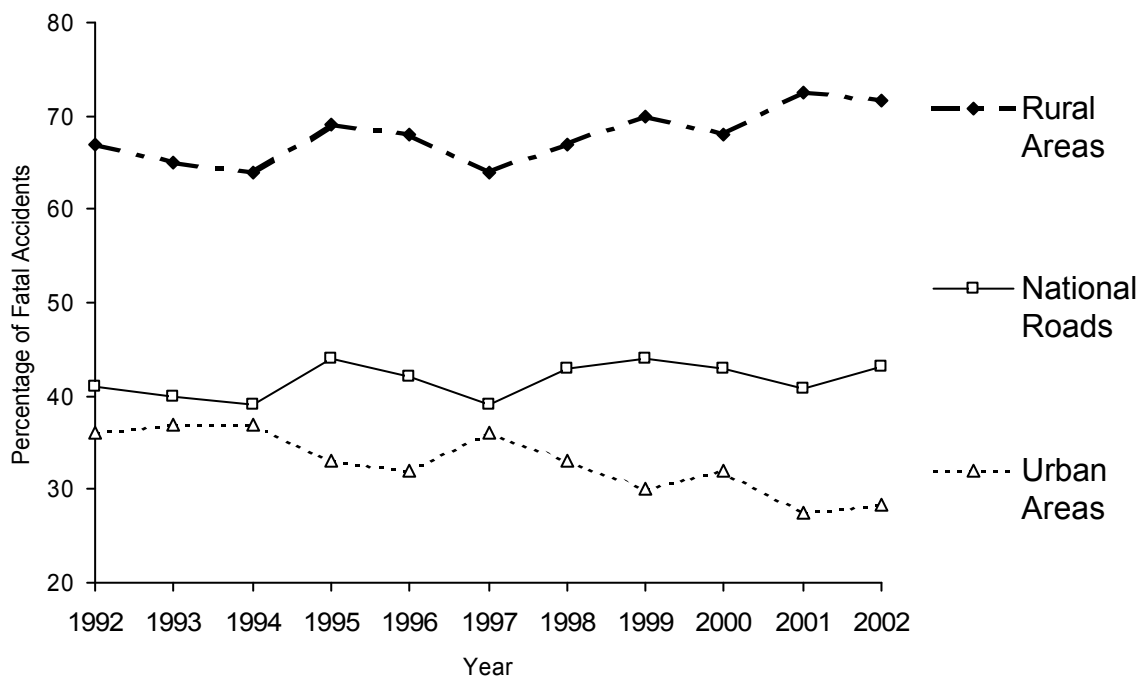


The worst days of the week for fatalities during 2002 were Sundays and Mondays. These two days together accounted for 140 fatalities, or 37 per cent of total. The days of the week with the fewest associated fatalities were Tuesday, Wednesday and Saturday, on which days 130 persons, or 35 per cent of total, died.

# Section 3: Location

Twenty-eight per cent of all fatal accidents in 2002 occurred on urban roads. The percentage of fatal accidents occurring on rural roads in 2002 remained unchanged from 2001 at 72 per cent. Forty-three per cent of all fatal accidents occurred on national roads, an increase of two per cent on the 2001 figure.

**Figure 13: Percentage of Fatal Accidents in Rural, Urban Areas and on the National Routes, 1992-2002.**



On a county-by-county basis, Longford experienced the highest accident rate both on a per 1,000 population (3.1) basis and on a per 1,000 registered vehicles basis (6.2).

Cork recorded the highest accident rate on a vehicle kilometer basis (2.6 accidents per 10 million vehicle kilometers travelled).

**Table A: Accident Rates per Thousand Population (2002), per Thousand Registered Vehicles (2002), and per 10 Million Vehicle-Kilometres of Travel (2001), for each County**

<b>County</b>	<b>No. of Accidents per 1,000 Population<sup>1</sup></b>	<b>No. of Accidents per 1,000 Registered Vehicles<sup>2</sup></b>	<b>No. of Accidents per 10 million Vehicle Kilometres of Travel<sup>3</sup></b>
<b>Leinster</b>			
Carlow	1.8	3.2	1.5
Dublin	1.5	3.6	2.1
Kildare	1.8	3.8	1.7
Kilkenny	2.1	3.9	1.7
Laois	1.7	3.5	1.5
Longford	3.1	6.2	2.3
Louth	2.0	5.1	2.5
Meath	2.0	4.1	1.5
Offaly	1.3	2.8	1.4
Westmeath	2.0	4.1	1.4
Wexford	2.0	3.8	2.0
Wicklow	1.6	3.3	2.0
<b>Munster</b>			
Clare	1.4	2.8	0.6
Cork	1.6	3.2	2.6
Kerry	1.5	2.9	1.2
Limerick	1.9	4.0	2.0
Tipperary N	1.5	2.7	1.1
Tipperary S	1.4	2.7	1.3
Waterford	1.9	3.9	2.6
<b>Connacht</b>			
Galway	1.6	3.4	1.6
Leitrim	1.7	3.2	1.1
Mayo	1.5	3.2	1.4
Roscommon	2.1	4.1	1.7
Sligo	1.5	3.0	1.4
<b>Ulster</b> (Part of)			
Cavan	2.5	5.1	1.5
Donegal	1.7	4.1	1.5
Monaghan	1.9	4.0	1.5
<b>TOTAL</b>	<b>1.7</b>	<b>3.6</b>	<b>1.8</b>

<sup>1</sup> Based on 2002 Census of Population

<sup>2</sup> Based on 2002 Registered Vehicle Data

<sup>3</sup> Based on 2001 Vehicle Kilometres of Travel Estimates

*Note: The vehicle-kilometres of travel for each county will be less accurate than the figure for the whole country, because of smaller sample sizes.*

# TABLES

## SECTION 1: TRENDS IN ACCIDENTS



**Table 1 Accidents Classified by Type and Vehicles Licensed, 1993-2002**

Accident Type	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Fatal	394	371	405	415	424	408	374	362	360	346
Injury	5,982	6,239	7,712	8,271	8,072	7,831	7,433	7,395	6,549	6,279
Material Damage	15,455	16,127	19,825	21,662	22,364	23,604	24,995	25,066	21,191	17,915
<b>TOTAL</b>	<b>21,831</b>	<b>22,737</b>	<b>27,942</b>	<b>30,348</b>	<b>30,860</b>	<b>31,843</b>	<b>32,802</b>	<b>32,826</b>	<b>28,100</b>	<b>24,540</b>
<b>Vehicles</b>										
current licence (thousands)	1,151	1,200	1,262	1,338	1,432	1,512	1,608	1,684	1,770	1,850

**Table 2 Persons Killed and Injured, 1993-2002**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Killed	431	404	437	453	472	458	413	415	411	376
Injured	9,831	10,229	12,673	13,319	13,115	12,773	12,340	12,043	10,222	9,206
<b>TOTAL</b>	<b>10,262</b>	<b>10,633</b>	<b>13,110</b>	<b>13,772</b>	<b>13,587</b>	<b>13,231</b>	<b>12,753</b>	<b>12,458</b>	<b>10,633</b>	<b>9,582</b>

**Table 3 Persons Killed by Road User Type, 1993-2002**

Road User Type	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Pedestrians	136	121	113	115	130	114	92	85	89	86
Pedal Cyclists	24	26	28	22	24	21	14	10	12	18
Motor Cyclists	53	55	57	58	68	37	43	39	50	44
Car Users	187	178	193	218	219	253	236	260	230	200
Other Road User	31	24	46	40	31	33	28	21	30	28
<b>TOTAL</b>	<b>431</b>	<b>404</b>	<b>437</b>	<b>453</b>	<b>472</b>	<b>458</b>	<b>413</b>	<b>415</b>	<b>411</b>	<b>376</b>

**Table 4 All Casualties by Road User Type, 1993-2002**

Road User Type	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Pedestrians	1,449	1,491	1,775	1,832	1,759	1,583	1,398	1,332	1,202	1,196
Pedal Cyclists	717	693	893	835	676	592	475	451	363	296
Motor Cyclists	932	1,004	1,291	1,263	1,282	1,136	986	1,179	1,084	1,031
Car Users	6,217	6,443	8,064	8,629	8,565	8,751	8,933	8,395	7,033	6,225
Other Road User	947	1,002	1,087	1,213	1,305	1,169	961	1,101	951	834
<b>TOTAL</b>	<b>10,262</b>	<b>10,633</b>	<b>13,110</b>	<b>13,772</b>	<b>13,587</b>	<b>13,231</b>	<b>12,753</b>	<b>12,458</b>	<b>10,633</b>	<b>9,582</b>

**Table 5 Persons Killed and Injured in Each County, 1998-2002**

County	Persons Killed					Persons Injured				
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
<b>Leinster</b>										
Carlow	12	5	5	8	11	138	145	203	131	114
Dublin	73	58	69	53	49	3,694	3,304	3,363	2,707	2,113
Kildare	20	22	18	31	19	490	410	518	349	416
Kilkenny	11	6	9	11	9	267	237	202	220	237
Laois	14	5	16	13	5	182	212	192	196	133
Longford	5	3	9	3	8	126	156	131	122	140
Louth	8	20	30	15	19	601	475	506	303	337
Meath	19	19	20	26	18	488	478	454	416	399
Offaly	10	9	10	9	6	154	178	168	120	121
Westmeath	9	10	9	7	10	176	233	203	226	199
Wexford	24	17	11	16	7	378	453	421	364	351
Wicklow	20	15	14	13	11	367	364	400	302	264
<b>Munster</b>										
Clare	6	8	12	9	16	281	289	186	166	189
Cork	55	44	34	52	35	1,253	1,251	1,225	1,114	1,054
Kerry	10	18	12	14	8	404	428	342	399	255
Limerick	23	22	10	22	21	619	532	589	484	520
Tipperary N	12	7	13	7	5	226	196	205	159	123
Tipperary S	11	10	10	9	10	224	205	182	181	161
Waterford	11	12	10	13	12	303	284	324	323	254
<b>Connacht</b>										
Galway	26	23	22	22	26	583	654	455	477	466
Leitrim	6	5	4	5	5	75	82	62	103	58
Mayo	17	13	11	8	14	330	374	385	289	264
Roscommon	9	8	11	6	5	169	202	188	135	177
Sligo	2	11	13	6	9	176	209	205	117	131
<b>Ulster (part of)</b>										
Cavan	12	8	3	5	7	240	225	252	232	214
Donegal	26	27	18	14	20	556	560	448	431	360
Monaghan	7	8	12	14	11	273	204	234	156	156
<b>TOTAL</b>	<b>458</b>	<b>413</b>	<b>415</b>	<b>411</b>	<b>376</b>	<b>12,773</b>	<b>12,340</b>	<b>12,043</b>	<b>10,222</b>	<b>9,206</b>

## SECTION 2: GENERAL TABLES



**Table 6 Traffic Accidents and Casualties Classified by Month of Year**

Month	Accidents				Casualties			
	Fatal	Injury	Total	%	Killed	Injured	Total	%
January	31	505	536	8.1	35	731	766	8.0
February	31	512	543	8.2	33	712	745	7.8
March	31	498	529	8.0	34	779	813	8.5
April	30	510	540	8.2	32	741	773	8.1
May	19	492	511	7.7	20	695	715	7.5
June	33	493	526	7.9	34	713	747	7.8
July	34	552	586	8.8	42	841	883	9.2
August	31	581	612	9.2	35	889	924	9.6
September	34	526	560	8.5	36	773	809	8.4
October	30	609	639	9.6	31	923	954	10.0
November	22	526	548	8.3	23	736	759	7.9
December	20	475	495	7.5	21	673	694	7.2
<b>TOTAL</b>	<b>346</b>	<b>6,279</b>	<b>6,625</b>	<b>100</b>	<b>376</b>	<b>9,206</b>	<b>9,582</b>	<b>100</b>

**Table 7 Fatal and Injury Accidents and Casualties Classified by Hour of Day**

Hour Beginning	Accidents				Casualties			
	Fatal	Injury	Total	%	Killed	Injured	Total	%
12 midnight	27	318	345	5.2	34	470	504	5.3
1	20	163	183	2.8	21	257	278	2.9
2	19	120	139	2.1	19	194	213	2.2
3	21	143	164	2.5	23	259	282	2.9
4	12	80	92	1.4	13	137	150	1.6
5	4	55	59	0.9	4	85	89	0.9
6	4	77	81	1.2	5	108	113	1.2
7	11	176	187	2.8	11	248	259	2.7
8	13	315	328	5.0	14	424	438	4.6
9	11	281	292	4.4	11	389	400	4.2
10	13	219	232	3.5	13	308	321	3.4
11	8	285	293	4.4	9	391	400	4.2
12	10	341	351	5.3	10	472	482	5.0
13	8	337	345	5.2	8	511	519	5.4
14	15	333	348	5.3	18	482	500	5.2
15	11	389	400	6.0	15	532	547	5.7
16	16	394	410	6.2	18	562	580	6.1
17	22	475	497	7.5	22	700	722	7.5
18	18	422	440	6.6	20	617	637	6.6
19	20	368	388	5.9	22	593	615	6.4
20	17	300	317	4.8	19	432	451	4.7
21	18	235	253	3.8	18	351	369	3.9
22	19	183	202	3.0	20	279	299	3.1
23	9	144	153	2.3	9	216	225	2.3
Unknown	0	126	126	1.9	0	189	189	2.0
<b>TOTAL</b>	<b>346</b>	<b>6,279</b>	<b>6,625</b>	<b>100.0</b>	<b>376</b>	<b>9,206</b>	<b>9,582</b>	<b>100.0</b>



**Table 8 Fatal and Injury Accidents and Casualties by Day of Week**

Day	Accidents				Casualties			
	Fatal	Injury	Total	%	Killed	Injured	Total	%
Sunday	72	953	1,025	15.5	84	1,612	1,696	17.7
Monday	55	878	933	14.1	56	1,275	1,331	13.9
Tuesday	30	823	853	12.9	35	1,133	1,168	12.2
Wednesday	44	822	866	13.1	47	1,151	1,198	12.5
Thursday	49	892	941	14.2	52	1,244	1,296	13.5
Friday	51	997	1,048	15.8	54	1,382	1,436	15.0
Saturday	45	914	959	14.5	48	1,409	1,457	15.2
TOTAL	346	6,279	6,625	100.0	376	9,206	9,582	100.0

**Table 9 Fatal and Injury Accidents and Casualties Classified by Light Condition**

**Accidents**

Light Condition	Inside Built-up Areas				Outside Built-up Areas			
	Fatal	Injury	Total	%	Fatal	Injury	Total	%
Daylight good visibility	42	1,973	2,015	56.5	100	1,588	1,688	55.2
Daylight poor visibility	3	188	191	5.4	10	222	232	7.6
Dark road well-lighted	26	874	900	25.2	13	125	138	4.5
Dark road poorly-lighted	14	253	267	7.5	16	109	125	4.1
Dark unlit lighting	1	10	11	0.3	5	38	43	1.4
Dark no Lighting	8	74	82	2.3	98	683	781	25.5
Unknown	1	40	41	1.1	3	15	18	0.6
Not Stated	3	57	60	1.7	3	30	33	1.1
TOTAL	98	3,469	3,567	100.0	248	2,810	3,058	100.0

**Casualties**

Light Condition	Inside Built-up Areas				Outside Built-up Areas			
	Killed	Injured	Total	%	Killed	Injured	Total	%
Daylight good visibility	46	2,439	2,485	54.0	113	2,611	2,724	54.7
Daylight poor visibility	3	251	254	5.5	11	367	378	7.6
Dark road well-lighted	27	1,233	1,260	27.4	14	230	244	4.9
Dark road poorly-lighted	14	329	343	7.5	17	193	210	4.2
Dark unlit lighting	1	12	13	0.3	7	64	71	1.4
Dark no Lighting	8	118	126	2.7	105	1,182	1,287	25.8
Unknown	1	44	45	1.0	3	17	20	0.4
Not Stated	3	74	77	1.7	3	42	45	0.9
TOTAL	103	4,500	4,603	100.0	273	4,706	4,979	100.0

*Note: Accidents omitted when speed limit is unknown*

**Table 10 Fatal and Injury Accidents Classified by Primary Weather Conditions**

<b>Weather</b>	<b>Fatal</b>	<b>Serious Injury</b>	<b>Minor Injury</b>	<b>Total</b>	<b>%</b>
Dry	232	572	3,682	4,486	67.7
Wet	81	201	1,428	1,710	25.8
Frost/Ice	4	11	49	64	1.0
Snow	0	3	6	9	0.1
Fog/Mist	12	21	70	103	1.6
High Winds	3	9	23	35	0.5
Other	4	2	36	42	0.6
Unknown	4	4	79	87	1.3
Not Specified	6	4	79	89	1.3
<b>TOTAL</b>	<b>346</b>	<b>827</b>	<b>5,452</b>	<b>6,625</b>	<b>100.0</b>

**Table 11 Fatal and Injury Accidents Classified by Road Surface Conditions**

<b>Road Surface</b>	<b>Fatal</b>	<b>Serious Injury</b>	<b>Minor Injury</b>	<b>Total</b>	<b>%</b>
Dry	187	455	3,052	3,694	55.8
Wet	143	338	2,097	2,578	38.9
Frost/Ice	1	10	47	58	0.9
Snow	0	1	3	4	0.1
Other	1	1	29	31	0.5
Not Specified	14	22	224	260	3.9
<b>TOTAL</b>	<b>346</b>	<b>827</b>	<b>5,452</b>	<b>6,625</b>	<b>100.0</b>

**Table 12 Fatal and Injury Accidents Classified by Road Character**

<b>Road Character</b>	<b>Fatal</b>	<b>Serious Injury</b>	<b>Minor Injury</b>	<b>Total</b>	<b>%</b>
Straight	192	439	3,096	3,727	56.3
Bend	87	217	1,046	1,350	20.4
Hillcrest	12	34	180	226	3.4
Some Gradient	34	75	503	612	9.2
Other	2	12	64	78	1.2
Not Specified	19	50	563	632	9.5
<b>TOTAL</b>	<b>346</b>	<b>827</b>	<b>5,452</b>	<b>6,625</b>	<b>100.0</b>

**Table 13 Accidents Classified by Road Surface Condition and by Occurrence of Skidding**

Road Surface	Skidding Occurred	No Skidding	Not Stated	Total	Skidding Rate (%)*
Dry	837	1,764	1,093	3,694	32.2
Wet	580	818	1,180	2,578	41.5
Frost/Ice	35	12	11	58	74.5
Snow	1	0	3	4	100.0
Other	15	9	7	31	62.5
Not Specified	36	49	175	260	42.4
<b>Total</b>	<b>1,504</b>	<b>2,652</b>	<b>2,469</b>	<b>6,625</b>	<b>36.2</b>

\* Excludes not stated category

**Table 14 Accidents on Wet Roads Classified by Road Character and by Occurrence of Skidding**

Road Character	Skidding Occurred	No Skidding	Not Stated	Total	Skidding Rate (%)*
Straight	225	453	655	1,333	33.2
Bend	228	185	264	677	55.2
Hillcrest	25	31	42	98	44.6
Some Gradient	61	70	114	245	46.6
Other	6	8	13	27	42.9
Not Specified	35	71	92	198	33.0
<b>TOTAL</b>	<b>580</b>	<b>818</b>	<b>1,180</b>	<b>2,578</b>	<b>41.5</b>

\* Excludes not stated category

**Table 15 Fatal and Injury Accidents Inside and Outside Built-up Areas by Accident Type**

Accident Type	Inside Built-up Areas				Outside Built-up Areas			
	Fatal	Injury	Total	%	Fatal	Injury	Total	%
Single Vehicle and Pedestrian	42	931	973	27.3	43	122	165	5.4
Single Vehicle Only	21	287	308	8.6	84	727	811	26.5
Two or more Vehicle Accidents	35	2,251	2,286	64.1	121	1,961	2,082	68.1
<b>TOTAL</b>	<b>98</b>	<b>3,469</b>	<b>3,567</b>	<b>100</b>	<b>248</b>	<b>2,810</b>	<b>3,058</b>	<b>100.0</b>
<b>Breakdown of two or more vehicle accidents</b>								
Rear End	4	584	588	25.7	7	432	439	21.1
Angle	5	700	705	30.8	20	430	450	21.6
Head-On	18	469	487	21.3	80	794	874	42.0
Other/Not Known	8	498	506	22.1	14	305	319	15.3

Note: Accidents omitted when speed limit is unknown

**Table 16 Single Vehicle Accidents not Involving Pedestrians: Classified by Type of Collision**

Type of collision	Fatal	Injury	Total	%
Bollard/Island	0	25	25	2.2
Parked Car	2	25	27	2.4
Parked Truck	2	6	8	0.7
Parked Trailer/Skip	0	3	3	0.3
Pole	13	90	103	9.2
Tree	10	46	56	5.0
Animal	0	30	30	2.7
Wall/Gate	26	185	211	18.8
Ditch	39	417	456	40.7
Other/Unknown	12	176	188	16.8
Not Stated	1	12	13	1.2
<b>TOTAL</b>	<b>105</b>	<b>1,015</b>	<b>1,120</b>	<b>100.0</b>

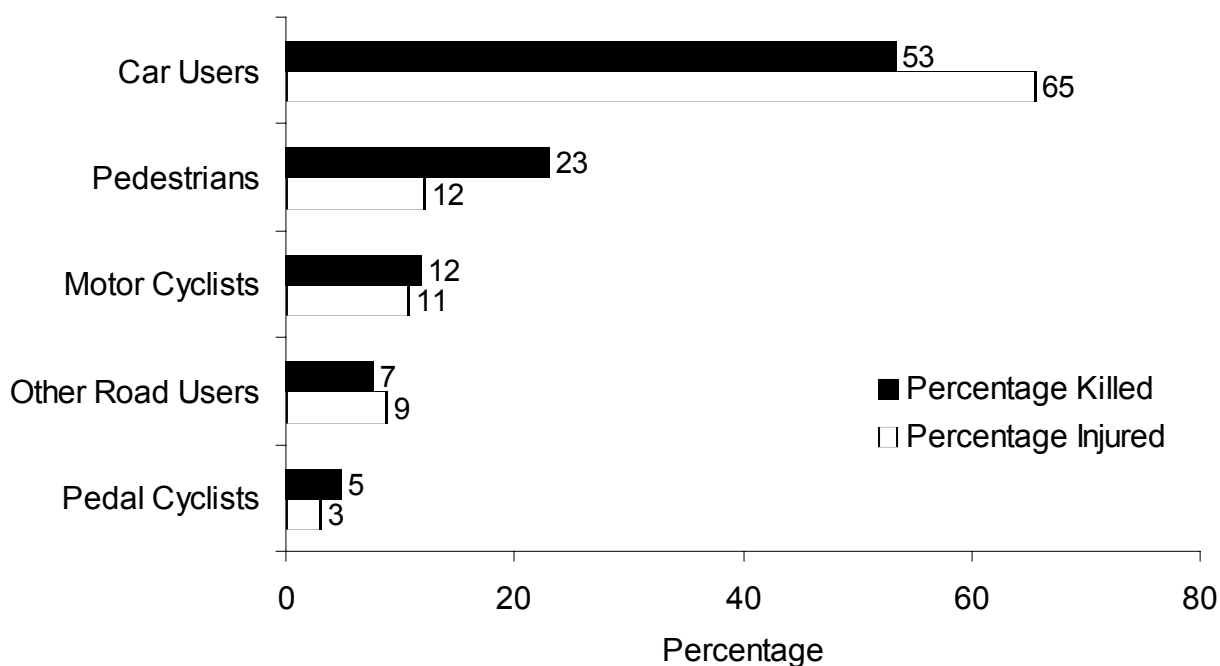
**Table 17 Fatal and Injury Accidents by Possible Contributory Factor Where Specified**

Contributory Factor	Fatal	Injury	Total	%
Driver	188	3,239	3,427	86.0
Pedestrian	32	355	387	9.7
Road	7	93	100	2.5
Vehicle	2	11	13	0.3
Environment	5	51	56	1.4
<b>TOTAL</b>	<b>234</b>	<b>3,749</b>	<b>3,983</b>	<b>100.0</b>

*Note: More than one factor is specified in certain accidents*

## SECTION 3: CASUALTIES

**Figure 14: Percentage of Persons Killed and Injured by Road User Type, 2002**



**Table 18 All Casualties Classified by Road User Type**

Casualty Class	Killed	Serious Injury	Minor Injury	Total	%
Pedestrians	86	179	921	1,186	12.7
Pedal Cycle Users	18	18	254	290	3.1
Motor Cycle Users	44	124	847	1,015	10.9
Car Users	200	728	5,092	6,020	64.6
PSV Users	1	2	57	60	0.6
Goods Vehicle Users	20	73	456	549	5.9
Other	7	26	167	200	2.1
<b>TOTAL</b>	<b>376</b>	<b>1,150</b>	<b>7,794</b>	<b>9,320</b>	<b>100.0</b>

*Note: Accidents omitted when injury severity unknown*

**Table 19 All Casualties Classified by Road User Type and by Age**

Age Groups	Pedestrians				Pedal Cyclists				Motor Cyclists			
	Killed	Injured	Total	%	Killed	Injured	Total	%	Killed	Injured	Total	%
0-5	2	48	50	4.2	0	3	3	1.0	0	0	0	0.0
6-9	3	82	85	7.1	0	14	14	4.7	0	1	1	0.1
10-14	3	120	123	10.3	3	37	40	13.5	0	2	2	0.2
15-17	3	56	59	4.9	1	16	17	5.7	3	108	111	10.8
18-20	4	77	81	6.8	0	11	11	3.7	7	159	166	16.1
21-24	4	88	92	7.7	2	35	37	12.5	11	174	185	17.9
25-34	11	155	166	13.9	3	56	59	19.9	18	287	305	29.6
35-44	7	102	109	9.1	2	25	27	9.1	5	101	106	10.3
45-54	7	83	90	7.5	0	19	19	6.4	0	27	27	2.6
55-64	14	69	83	6.9	2	24	26	8.8	0	20	20	1.9
65 and Over	25	108	133	11.1	3	13	16	5.4	0	6	6	0.6
Unknown	3	122	125	10.5	2	25	27	9.1	0	102	102	9.9
<b>TOTAL</b>	<b>86</b>	<b>1,110</b>	<b>1,196</b>	<b>100.0</b>	<b>18</b>	<b>278</b>	<b>296</b>	<b>100.0</b>	<b>44</b>	<b>987</b>	<b>1,031</b>	<b>100.0</b>

Age Groups	Car Drivers				Car Passengers				Total Car Users				Other Road Users			
	K	I	T	%	K	I	T	%	K	I	T	%	K	I	T	%
0-5	0	1	1	0.0	3	83	86	4.1	3	84	87	1.4	2	8	10	1.2
6-9	0	0	0	0.0	1	91	92	4.4	1	91	92	1.5	0	5	5	0.6
10-14	0	0	0	0.0	1	104	105	5.0	1	104	105	1.7	0	16	16	1.9
15-17	3	35	38	0.9	7	163	170	8.1	10	198	208	3.3	2	27	29	3.5
18-20	13	253	266	6.5	8	242	250	11.8	21	495	516	8.3	1	63	64	7.7
21-24	14	479	493	12.0	11	268	279	13.2	25	747	772	12.4	4	85	89	10.7
25-34	36	1067	1,103	26.8	10	367	377	17.9	46	1,434	1,480	23.8	6	190	196	23.5
35-44	18	764	782	19.0	3	179	182	8.6	21	943	964	15.5	3	153	156	18.7
45-54	13	538	551	13.4	6	139	145	6.9	19	677	696	11.2	2	110	112	13.4
55-64	10	288	298	7.2	4	115	119	5.6	14	403	417	6.7	3	50	53	6.4
65 and Over	22	228	250	6.1	9	145	154	7.3	31	373	404	6.5	2	33	35	4.2
Unknown	4	328	332	8.1	4	148	152	7.2	8	476	484	7.8	3	66	69	8.3
<b>TOTAL</b>	<b>133</b>	<b>3,981</b>	<b>4,114</b>	<b>100.0</b>	<b>67</b>	<b>2,044</b>	<b>2,111</b>	<b>100.0</b>	<b>200</b>	<b>6,025</b>	<b>6,225</b>	<b>100.0</b>	<b>28</b>	<b>806</b>	<b>834</b>	<b>100.0</b>

**Table 20 Male Casualties Classified by Road User Type and by Age,Where Specified**

Age Groups	Pedestrians				Pedal Cyclists				Motor Cyclists			
	Killed	Injured	Total	%	Killed	Injured	Total	%	Killed	Injured	Total	%
0-5	1	32	33	5.0	0	3	3	1.6	0	0	0	0.0
6-9	2	56	58	8.7	0	9	9	4.7	0	1	1	0.1
10-14	2	68	70	10.6	1	30	31	16.1	0	2	2	0.3
15-17	0	32	32	4.8	1	15	16	8.3	3	88	91	11.5
18-20	4	45	49	7.4	0	7	7	3.6	6	132	138	17.5
21-24	3	47	50	7.5	2	19	21	10.9	11	137	148	18.7
25-34	9	85	94	14.2	3	30	33	17.1	15	228	243	30.8
35-44	7	67	74	11.2	2	18	20	10.4	5	84	89	11.3
45-54	5	53	58	8.7	0	11	11	5.7	0	18	18	2.3
55-64	8	32	40	6.0	2	17	19	9.8	0	14	14	1.8
65 and Over	11	48	59	8.9	3	9	12	6.2	0	3	3	0.4
Unknown	3	43	46	6.9	1	10	11	5.7	0	43	43	5.4
<b>TOTAL</b>	<b>55</b>	<b>608</b>	<b>663</b>	<b>100.0</b>	<b>15</b>	<b>178</b>	<b>193</b>	<b>100.0</b>	<b>40</b>	<b>750</b>	<b>790</b>	<b>100.0</b>

Age Groups	Car Drivers				Car Passengers				Total Car Users				Other Road Users			
	K	I	T	%	K	I	T	%	K	I	T	%	K	I	T	%
0-5	0	0	0	0.0	1	48	49	6.2	1	48	49	1.7	1	3	4	0.7
6-9	0	0	0	0.0	1	39	40	5.1	1	39	40	1.4	0	0	0	0.0
10-14	0	0	0	0.0	0	47	47	6.0	0	47	47	1.7	0	10	10	1.7
15-17	3	30	33	1.6	4	77	81	10.3	7	107	114	4.0	0	14	14	2.4
18-20	10	175	185	9.1	6	103	109	13.8	16	278	294	10.4	0	42	42	7.2
21-24	11	244	255	12.5	5	117	122	15.5	16	361	377	13.3	3	58	61	10.5
25-34	29	522	551	27.0	7	158	165	20.9	36	680	716	25.3	4	143	147	25.3
35-44	14	322	336	16.5	1	55	56	7.1	15	377	392	13.9	2	117	119	20.5
45-54	9	258	267	13.1	2	26	28	3.5	11	284	295	10.4	2	77	79	13.6
55-64	3	161	164	8.0	1	15	16	2.0	4	176	180	6.4	3	33	36	6.2
65 and Over	15	136	151	7.4	3	31	34	4.3	18	167	185	6.5	2	19	21	3.6
Unknown	2	96	98	4.8	2	40	42	5.3	4	136	140	4.9	4	44	48	8.3
<b>TOTAL</b>	<b>96</b>	<b>1,944</b>	<b>2,040</b>	<b>100.0</b>	<b>33</b>	<b>756</b>	<b>789</b>	<b>100.0</b>	<b>129</b>	<b>2,700</b>	<b>2,829</b>	<b>100.0</b>	<b>21</b>	<b>560</b>	<b>581</b>	<b>100.0</b>

**Table 21 Female Casualties Classified by Road User Type and by Age,Where Specified**

Age Groups	Pedestrians				Pedal Cyclists				Motor Cyclists			
	Killed	Injured	Total	%	Killed	Injured	Total	%	Killed	Injured	Total	%
0-5	1	13	14	3.3	0	0	0	0.0	0	0	0	0.0
6-9	1	24	25	5.8	0	3	3	4.4	0	0	0	0.0
10-14	1	45	46	10.7	2	4	6	8.8	0	0	0	0.0
15-17	3	22	25	5.8	0	1	1	1.5	0	10	10	10.8
18-20	0	31	31	7.2	0	3	3	4.4	1	14	15	16.1
21-24	1	36	37	8.6	0	14	14	20.6	0	21	21	22.6
25-34	2	61	63	14.7	0	20	20	29.4	3	29	32	34.4
35-44	0	29	29	6.8	0	2	2	2.9	0	3	3	3.2
45-54	2	28	30	7.0	0	6	6	8.8	0	5	5	5.4
55-64	5	34	39	9.1	0	6	6	8.8	0	1	1	1.1
65 and Over	13	55	68	15.9	0	3	3	4.4	0	2	2	2.2
Unknown	0	22	22	5.1	0	4	4	5.9	0	4	4	4.3
<b>TOTAL</b>	<b>29</b>	<b>400</b>	<b>429</b>	<b>100.0</b>	<b>2</b>	<b>66</b>	<b>68</b>	<b>100.0</b>	<b>4</b>	<b>89</b>	<b>93</b>	<b>100.0</b>

Age Groups	Car Drivers				Car Passengers				Total Car Users				Other Road Users			
	K	I	T	%	K	I	T	%	K	I	T	%	K	I	T	%
0-5	0	1	1	0.1	2	30	32	3.0	2	31	33	1.2	0	4	4	2.8
6-9	0	0	0	0.0	0	45	45	4.3	0	45	45	1.7	0	3	3	2.1
10-14	0	0	0	0.0	1	48	49	4.6	1	48	49	1.9	0	3	3	2.1
15-17	0	5	5	0.3	3	81	84	8.0	3	86	89	3.4	2	9	11	7.8
18-20	3	67	70	4.4	2	118	120	11.4	5	185	190	7.2	1	9	10	7.1
21-24	3	204	207	13.0	6	123	129	12.2	9	327	336	12.7	0	11	11	7.8
25-34	5	450	455	28.6	2	167	169	16.0	7	617	624	23.6	0	25	25	17.7
35-44	3	361	364	22.9	2	91	93	8.8	5	452	457	17.3	0	15	15	10.6
45-54	3	242	245	15.4	3	86	89	8.4	6	328	334	12.6	0	20	20	14.2
55-64	7	96	103	6.5	3	79	82	7.8	10	175	185	7.0	0	7	7	5.0
65 and Over	5	57	62	3.9	6	98	104	9.9	11	155	166	6.3	0	7	7	5.0
Unknown	1	79	80	5.0	2	57	59	5.6	3	136	139	5.3	1	24	25	17.7
<b>TOTAL</b>	<b>30</b>	<b>1,562</b>	<b>1,592</b>	<b>100.0</b>	<b>32</b>	<b>1,023</b>	<b>1,055</b>	<b>100.0</b>	<b>62</b>	<b>2,585</b>	<b>2,647</b>	<b>100.0</b>	<b>4</b>	<b>137</b>	<b>141</b>	<b>100.0</b>



**Table 22 All Casualties Classified by Age and Sex**

Age Groups	Male			Female			Overall Total	%
	Killed	Injured	Total	Killed	Injured	Total		
0-5	3	86	89	3	48	51	140	1.7
6-9	3	105	108	1	75	76	184	2.2
10-14	3	157	160	4	100	104	264	3.1
15-17	11	256	267	8	128	136	403	4.8
18-20	26	504	530	7	242	249	779	9.2
21-24	35	622	657	10	409	419	1,076	12.8
25-34	67	1,166	1,233	12	752	764	1,997	23.7
35-44	31	663	694	5	501	506	1,200	14.2
45-54	18	443	461	8	387	395	856	10.1
55-64	17	272	289	15	223	238	527	6.2
65 and Over	34	246	280	24	222	246	526	6.2
Unknown	12	276	288	4	190	194	482	5.7
<b>TOTAL</b>	<b>260</b>	<b>4,796</b>	<b>5,056</b>	<b>101</b>	<b>3,277</b>	<b>3,378</b>	<b>8,434</b>	<b>100.0</b>

*Note: Accidents omitted where sex of casualty is not specified*

**Table 23 All Casualties Classified by Age, Inside and Outside Built-up Areas**

Age Groups	Inside Built-up Areas				Outside Built-up Areas				Overall Total	%	Pop. (000s) (2001)	Cas. per 1000 pop
	Killed	Injured	Total	%	Killed	Injured	Total	%				
0-5	3	71	74	1.6	4	72	76	150	1.6	322.7	0.5	
6-9	2	137	139	3.0	2	56	58	197	2.1	210	0.9	
10-14	3	190	193	4.2	4	89	93	286	3.0	289	1.0	
14-17	2	227	229	5.0	17	178	195	424	4.4	190.7	2.2	
18-20	8	393	401	8.7	25	398	423	824	8.6	204.5	4.0	
21-24	8	542	550	11.9	38	564	602	1,152	12.0	265.5	4.3	
25-34	23	1,017	1,040	22.6	60	1,035	1,095	2,135	22.3	592.2	3.6	
35-44	5	563	568	12.3	33	699	732	1,300	13.6	532.2	2.4	
45-54	4	378	382	8.3	22	507	529	911	9.5	469.1	1.9	
55-64	14	245	259	5.6	19	297	316	575	6.0	334	1.7	
65 and Over	26	236	262	5.7	34	287	321	583	6.1	429	1.4	
Unknown	5	501	506	11.0	15	524	539	1,045	10.9			
<b>TOTAL</b>	<b>103</b>	<b>4,500</b>	<b>4,603</b>	<b>100.0</b>	<b>273</b>	<b>4,706</b>	<b>4,979</b>	<b>9,582</b>	<b>100.0</b>	<b>3,838.9</b>	<b>2.5</b>	

*Note: Accidents omitted when speed limit is unknown*

**Table 24 Casualties by Road User Type, Inside and Outside Built-up Areas**

Casualty Class	Inside Built-up Areas				Outside Built-up Areas			
	Killed	Injured	Total	%	Killed	Injured	Total	%
Pedestrians	44	985	1,029	22.4	42	123	165	3.3
Pedal Cycle Users	8	250	258	5.6	10	29	39	0.8
Motor Cycle Users	12	732	744	16.2	32	255	287	5.8
Car Users	31	2,270	2,301	50.0	169	3,755	3,924	78.8
PSV Users	0	38	38	0.8	1	22	23	0.5
Goods Vehicle Users	5	159	164	3.6	15	387	402	8.1
Other	0	41	41	0.9	4	110	114	2.3
Unknown	3	25	28	0.6	0	25	25	0.5
<b>TOTAL</b>	<b>103</b>	<b>4,500</b>	<b>4,603</b>	<b>100.0</b>	<b>273</b>	<b>4,706</b>	<b>4,979</b>	<b>100.0</b>

*Note: Accidents omitted when speed limit is unknown*

**Table 25 Pedestrian Casualties Classified by Light Condition and by Location Type**

Light Condition	Inside Built-up Areas				Outside Built-up Areas			
	Killed	Injured	Total	%	Killed	Injured	Total	%
Daylight good visibility	25	537	562	54.6	8	47	55	33.3
Daylight poor visibility	1	36	37	3.6	1	6	7	4.2
Dark road well-lighted	9	265	274	26.6	1	6	7	4.2
Dark road poorly-lighted	4	87	91	8.8	6	12	18	10.9
Dark unlit lighting	1	5	6	0.6	1	0	1	0.6
Dark no Lighting	2	19	21	2.0	25	46	71	43.0
Unknown	1	18	19	1.8	0	3	3	1.8
Not Stated	1	18	19	1.8	0	3	3	1.8
<b>TOTAL</b>	<b>44</b>	<b>985</b>	<b>1,029</b>	<b>100.0</b>	<b>42</b>	<b>123</b>	<b>165</b>	<b>100.0</b>

*Note: Accidents omitted when speed limit is unknown*

**Table 26 Pedestrian Casualties by Pedestrian Action, Age of Pedestrian and by Darkness or Daylight**

Pedestrian Action	Age								
	0-14		15-64		65 & over		All ages		Total
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	
<b>DAYLIGHT</b>									
Crossing masked by Parked Car	1	38	0	40	2	6	3	84	87
Otherwise crossing	0	70	5	108	9	44	14	222	236
Walking with traffic	0	4	3	22	1	1	4	27	31
Walking against traffic	0	4	0	17	2	1	2	22	24
Standing in roadway	0	5	1	26	1	3	2	34	36
Playing in roadway	1	34	0	3	0	0	1	37	38
Lying on roadway	0	2	0	0	0	0	0	2	2
Other	2	18	1	44	2	5	5	67	72
Unknown	1	13	1	43	1	9	3	65	68
<b>TOTAL</b>	<b>5</b>	<b>188</b>	<b>11</b>	<b>303</b>	<b>18</b>	<b>69</b>	<b>34</b>	<b>560</b>	<b>594</b>
<b>DARKNESS</b>									
Crossing masked by Parked Car	0	9	0	17	0	0	0	26	26
Otherwise crossing	1	12	7	102	4	22	12	136	148
Walking with traffic	1	1	4	28	0	3	5	32	37
Walking against traffic	0	2	3	32	1	2	4	36	40
Standing in roadway	0	2	11	48	0	2	11	52	63
Playing in roadway	1	14	0	4	0	0	1	18	19
Lying on roadway	0	0	5	4	1	1	6	5	11
Other	0	7	6	38	0	3	6	48	54
Unknown	0	4	2	39	0	3	2	46	48
<b>TOTAL</b>	<b>3</b>	<b>51</b>	<b>38</b>	<b>312</b>	<b>6</b>	<b>36</b>	<b>47</b>	<b>399</b>	<b>446</b>
<b>OVERALL TOTAL</b>	<b>8</b>	<b>239</b>	<b>49</b>	<b>615</b>	<b>24</b>	<b>105</b>	<b>81</b>	<b>959</b>	<b>1,040</b>

*Note: Accidents omitted where age not specified*

## SECTION 4: DRIVERS AND VEHICLES

**Table 27 Drivers Involved in Fatal and Injury Accidents Classified by Vehicle Type**

<b>Drivers</b>					
<b>All Drivers</b>					
	<b>Killed</b>	<b>Injured</b>	<b>Uninjured</b>	<b>Total</b>	<b>%</b>
Pedal Cycle	16	279	8	303	2.7
Motor Cycle	40	901	98	1,039	9.4
Car	133	3982	3788	7,903	71.5
PSV	1	24	146	171	1.5
Goods Vehicle	15	420	808	1,243	11.2
Other or Unknown	3	96	297	396	3.6
<b>TOTAL</b>	<b>208</b>	<b>5,702</b>	<b>5,145</b>	<b>11,055</b>	<b>100.0</b>

**Table 28 Male Drivers Involved in Fatal and Injury Accidents Classified by Vehicle Type**

<b>Drivers</b>					
<b>Male Drivers*</b>					
	<b>Killed</b>	<b>Injured</b>	<b>Uninjured</b>	<b>Total</b>	<b>%</b>
Pedal Cycle	14	178	6	198	2.9
Motor Cycle	38	716	77	831	12.3
Car	96	1,944	2,257	4,297	63.5
PSV	1	15	118	134	2.0
Goods Vehicle	12	335	663	1,010	14.9
Other or Unknown	3	77	220	300	4.4
<b>TOTAL</b>	<b>164</b>	<b>3,265</b>	<b>3,341</b>	<b>6,770</b>	<b>100.0</b>

\* where specified

**Table 29 Female Drivers Involved in Fatal and Injury Accidents Classified by Vehicle Type**

<b>Drivers</b>					
<b>Female Drivers*</b>	<b>Killed</b>	<b>Injured</b>	<b>Uninjured</b>	<b>Total</b>	<b>%</b>
Pedal Cycle	2	66	0	68	2.4
Motor Cycle	2	56	3	61	2.2
Car	30	1,562	988	2,580	92.7
PSV	0	4	4	8	0.3
Goods Vehicle	0	31	20	51	1.8
Other or Unknown	0	11	5	16	0.6
<b>TOTAL</b>	<b>34</b>	<b>1,730</b>	<b>1,020</b>	<b>2,784</b>	<b>100.0</b>

\* where specified

**Table 30 Drivers of Cars Involved in Fatal and Injury Accidents by Age and by Sex**

<b>Drivers</b>										
<b>Age Group</b>	<b>Male</b>				<b>Female</b>				<b>Overall Total</b>	<b>% of Total</b>
	<b>Killed</b>	<b>Injured</b>	<b>Uninjured</b>	<b>Total</b>	<b>Killed</b>	<b>Injured</b>	<b>Uninjured</b>	<b>Total</b>		
10-14	0	0	0	0	0	0	0	0	0	0.0
15-17	3	30	16	49	0	5	2	7	56	0.8
18-20	10	175	123	308	3	67	45	115	423	6.2
21-24	11	244	231	486	3	204	107	314	800	11.6
25-34	29	522	642	1,193	5	450	321	776	1,969	28.6
35-44	14	322	466	802	3	361	190	554	1,356	19.7
45-54	9	258	359	626	3	242	153	398	1,024	14.9
55-64	3	161	198	362	7	96	76	179	541	7.9
65 and Over	15	136	127	278	5	57	40	102	380	5.5
Unknown	2	96	95	193	1	80	54	135	328	4.8
<b>TOTAL</b>	<b>96</b>	<b>1,944</b>	<b>2,257</b>	<b>4,297</b>	<b>30</b>	<b>1,562</b>	<b>988</b>	<b>2,580</b>	<b>6,877</b>	<b>100.0</b>

**Table 31 Motorcycle Drivers Involved in Fatal and Injury Accidents by Age and by Sex**

Age Group	Male				Female				Overall Total	% of Total
	Killed	Injured	Uninjured	Total	Killed	Injured	Uninjured	Total		
15-17	3	79	6	88	0	4	0	4	92	10.3
18-20	5	123	15	143	0	9	0	9	152	17.0
21-24	11	129	18	158	0	13	0	13	171	19.2
25-34	14	225	22	261	2	19	1	22	283	31.7
35-44	5	84	12	101	0	2	0	2	103	11.5
45-54	0	18	3	21	0	4	1	5	26	2.9
55-64	0	14	0	14	0	1	1	2	16	1.8
65 and Over	0	3	0	3	0	2	0	2	5	0.6
Unknown	0	41	1	42	0	2	0	2	44	4.9
<b>TOTAL</b>	<b>38</b>	<b>716</b>	<b>77</b>	<b>831</b>	<b>2</b>	<b>56</b>	<b>3</b>	<b>61</b>	<b>892</b>	<b>100.0</b>

**Table 32 Drivers of Other Vehicles Involved in Fatal and Injury Accidents by Age and by Sex**

Age Group	Male				Female				Overall Total	% of Total
	Killed	Injured	Uninjured	Total	Killed	Injured	Uninjured	Total		
0-5	0	0	0	0	0	0	0	0	0	0.0
6-9	0	0	0	0	0	0	0	0	0	0.0
10-14	0	0	0	0	0	0	0	0	0	0.0
15-17	0	4	9	13	0	3	1	4	17	1.1
18-20	0	26	52	78	0	1	1	2	80	5.3
21-24	2	47	97	146	0	2	3	5	151	9.9
25-34	3	125	280	408	0	14	9	23	431	28.4
35-44	2	99	235	336	0	13	7	20	356	23.4
45-54	2	73	172	247	0	10	5	15	262	17.2
55-64	3	30	96	129	0	1	1	2	131	8.6
65 and Over	2	16	25	43	0	1	1	2	45	3.0
Unknown	2	7	35	44	0	1	1	2	46	3.0
<b>TOTAL</b>	<b>16</b>	<b>427</b>	<b>1,001</b>	<b>1,444</b>	<b>0</b>	<b>46</b>	<b>29</b>	<b>75</b>	<b>1,519</b>	<b>100.0</b>

*Note: Pedal Cyclists excluded from this table.*

**Table 33 Users of Cars Involved in Fatal and Injury Accidents Classified by Seat Belt Usage**

Seat Belt Usage	Killed	Injured	Uninjured	Total	%
<b>Car Drivers</b>					
Seat Belt in Use	41	1,293	1,004	2,338	21.1
Seat Belt Not in Use	27	197	136	360	3.3
Unknown	39	1,236	1,229	2,504	22.7
Not Stated	101	2,976	2,776	5,853	52.9
<b>TOTAL</b>	<b>208</b>	<b>5,702</b>	<b>5,145</b>	<b>11,055</b>	<b>100.0</b>
<b>Passengers (front seat)</b>					
Seat Belt in Use	7	261	*	268	45.0
Seat Belt Not in Use	6	40	*	46	7.7
Unknown	12	269	*	281	47.2
Not Stated	0	0	*	0	0.0
<b>TOTAL</b>	<b>25</b>	<b>570</b>	<b>*</b>	<b>595</b>	<b>100.0</b>

\* in this and following table: not available

**Table 34 Users of Motor Cycles Involved in Fatal and Injury Accidents Classified by Crash Helmet Usage**

Crash Helmet Usage	Killed	Injured	Uninjured	Total	%
<b>Drivers</b>					
Crash Helmet in Use	7	79	2	88	8.5
Crash Helmet Not in Use	12	231	25	268	25.8
Unknown	1	93	8	102	9.8
Not Stated	20	498	63	581	55.9
<b>TOTAL</b>	<b>40</b>	<b>901</b>	<b>98</b>	<b>1,039</b>	<b>100</b>
<b>Passengers</b>					
Crash Helmet in Use	1	3	*	4	14.8
Crash Helmet Not in Use	2	18	*	20	74.1
Unknown	0	3	*	3	11.1
<b>TOTAL</b>	<b>3</b>	<b>24</b>	<b>*</b>	<b>27</b>	<b>100.0</b>

**Table 35 Cars and Goods Vehicles Involved in Fatal and Injury Accidents Classified by Driver's Country of Residence**

	<b>Fatal</b>	<b>Injury</b>	<b>Total</b>	<b>%</b>
<b>CARS</b>				
Ireland	255	5,552	5,807	93.2
Northern Ireland	10	140	150	2.4
Britain	3	81	84	1.3
Other	8	183	191	3.1
<b>TOTAL</b>	<b>276</b>	<b>5,956</b>	<b>6,232</b>	<b>100.0</b>
<b>GOODS</b>				
Ireland	63	844	907	91.9
Northern Ireland	8	43	51	5.2
Britian	1	13	14	1.4
Other	1	14	15	1.5
<b>TOTAL</b>	<b>73</b>	<b>914</b>	<b>987</b>	<b>100.0</b>

**Table 36 Two Vehicle Accidents: Contributory Action, where Specified**

<b>Driver Action</b>	<b>Fatal</b>	<b>Injury</b>	<b>Total</b>	<b>%</b>
Drove through Stop/Yield Sign	11	432	443	13.1
Exceeded Safe Speed	26	342	368	10.9
Went to Wrong Side of Road	50	541	591	17.4
Improper Overtaking	6	199	205	6.1
Drove Through Traffic Signal	1	72	73	2.2
Failed to Signal	2	43	45	1.3
Other Action	31	1,631	1,662	49.1
<b>TOTAL</b>	<b>127</b>	<b>3,260</b>	<b>3,387</b>	<b>100.0</b>



**Table 37 Vehicles Involved in Fatal and Injury Accidents Classified by Vehicle Type and by Location Type**

Vehicle Type	Inside Built-up Areas				Outside Built-up Areas			
	Fatal	Injury	Total	%	Fatal	Injury	Total	%
Pedal Cycles	9	254	263	4.5	10	27	37	0.7
Motor Cycles	12	745	757	12.9	34	235	269	5.3
Cars	74	3,961	4,035	69.0	244	3,540	3,784	74.1
PSVs	1	115	116	2.0	7	48	55	1.1
Goods Vehicles	26	514	540	9.2	57	642	699	13.7
Other or Unknown	9	129	138	2.4	20	242	262	5.1
<b>TOTAL</b>	<b>131</b>	<b>5,718</b>	<b>5,849</b>	<b>100.0</b>	<b>372</b>	<b>4,734</b>	<b>5,106</b>	<b>100.0</b>

*Note: Table contains information relating to a maximum of two vehicles per accident. Accidents omitted when speed limit is unknown*

**Table 38 Single Vehicle Accidents, with or without Pedestrians, Classified by Vehicle Type**

Vehicle Type	Pedestrian Involved				No Pedestrian Involved			
	Fatal	Injury	Total	%	Fatal	Injury	Total	%
Pedal Cycles	2	5	7	0.6	1	28	29	2.4
Motor Cycles	2	66	68	6.3	14	118	132	10.8
Cars	49	757	806	74.6	83	827	910	74.4
PSVs	2	33	35	3.2	1	9	10	0.8
Goods Vehicles	16	108	124	11.5	11	107	118	9.6
Other or Unknown	6	35	41	3.8	1	23	24	2.0
<b>TOTAL</b>	<b>77</b>	<b>1,004</b>	<b>1,081</b>	<b>100.0</b>	<b>111</b>	<b>1,112</b>	<b>1,223</b>	<b>100.0</b>

**Table 39 Two-Vehicle Accidents Classified by Vehicle Type**

	<b>Fatal</b>	<b>Injury</b>	<b>Total</b>	<b>Fatalities</b>	<b>Injuries</b>	<b>Total</b>
Pedal Cycle-Pedal Cycle	1	0	1	1	1	2
Pedal Cycle-Motor Cycle	0	11	11	0	13	13
Pedal Cycle-Car	9	197	206	9	201	210
Pedal Cycle-PSV	0	5	5	0	5	5
Pedal Cycle-Goods	2	28	30	2	28	30
Pedal Cycle-Other/Unknown	3	4	7	3	4	7
<b>TOTAL</b>	<b>15</b>	<b>245</b>	<b>260</b>	<b>15</b>	<b>252</b>	<b>267</b>

	<b>Fatal</b>	<b>Injury</b>	<b>Total</b>	<b>Fatalities</b>	<b>Injuries</b>	<b>Total</b>
Motor Cycle-Pedal Cycle	0	11	11	0	13	13
Motor Cycle-Motor Cycle	1	10	11	1	16	17
Motor Cycle-Car	16	620	636	20	715	735
Motor Cycle-PSV	0	8	8	0	9	9
Motor Cycle-Goods	5	70	75	5	77	82
Motor Cycle-Other/Unknown	5	26	31	5	29	34
<b>TOTAL</b>	<b>27</b>	<b>745</b>	<b>772</b>	<b>31</b>	<b>859</b>	<b>890</b>

	<b>Fatal</b>	<b>Injury</b>	<b>Total</b>	<b>Fatalities</b>	<b>Injuries</b>	<b>Total</b>
Car-Pedal Cycle	9	197	206	9	201	210
Car-Motor Cycle	16	620	636	20	715	735
Car-Car	41	1,743	1,784	48	3,157	3,205
Car-PSV	4	70	74	4	97	101
Car-Goods	33	546	579	37	857	894
Car-Other/Unknown	7	210	217	7	303	310
<b>TOTAL</b>	<b>110</b>	<b>3,386</b>	<b>3,496</b>	<b>125</b>	<b>5,330</b>	<b>5,455</b>

**Table 39 Two-Vehicle Accidents Classified by Vehicle Type**

	<b>Fatal</b>	<b>Injury</b>	<b>Total</b>	<b>Fatalities</b>	<b>Injuries</b>	<b>Total</b>
PSV-Pedal Cycle	0	5	5	0	5	5
PSV-Motor Cycle	0	8	8	0	9	9
PSV-Car	4	70	74	4	97	101
PSV-PSV	0	0	0	0	0	0
PSV-Goods	0	12	12	0	20	20
PSV-Other/Unknown	0	7	7	0	7	7
<b>TOTAL</b>	<b>4</b>	<b>102</b>	<b>106</b>	<b>4</b>	<b>138</b>	<b>142</b>

	<b>Fatal</b>	<b>Injury</b>	<b>Total</b>	<b>Fatalities</b>	<b>Injuries</b>	<b>Total</b>
Goods-Pedal Cycle	2	28	30	2	28	30
Goods-Motor Cycle	5	70	75	5	77	82
Goods-Car	33	546	579	37	857	894
Goods-PSV	0	12	12	0	20	20
Goods-Goods	2	55	57	2	68	70
Goods-Other/Unknown	2	45	47	3	53	56
<b>TOTAL</b>	<b>44</b>	<b>756</b>	<b>800</b>	<b>49</b>	<b>1,103</b>	<b>1,152</b>

	<b>Fatal</b>	<b>Injury</b>	<b>Total</b>	<b>Fatalities</b>	<b>Injuries</b>	<b>Total</b>
Other-Pedal Cycle	3	4	7	3	4	7
Other-Motor Cycle	5	26	31	5	29	34
Other-Car	7	210	217	7	303	310
Other-PSV	0	7	7	0	7	7
Other-Goods	2	45	47	3	53	56
Other-Other/Unknown	2	14	16	2	33	35
<b>TOTAL</b>	<b>19</b>	<b>306</b>	<b>325</b>	<b>20</b>	<b>429</b>	<b>449</b>

## SECTION 5: LOCATION

Table 40 Traffic Accidents and Casualties in each County

County and Province	Pop. (000's) (2002)	Reg. Motor Vehicle (000's) (2002)	Accidents			Casualties				
			Fatal	Injury	Total	%	Killed	Injured	Total	%
<b>Leinster</b>										
Carlow	46	25	10	72	82	1.2	11	114	125	1.3
Dublin	1,123	485	46	1,689	1,735	26.2	49	2,113	2,162	22.6
Kildare	164	78	19	278	297	4.5	19	416	435	4.5
Kilkenny	80	42	9	157	166	2.5	9	237	246	2.6
Laois	59	28	5	95	100	1.5	5	133	138	1.4
Longford	31	15	7	88	95	1.4	8	140	148	1.5
Louth	102	41	14	194	208	3.1	19	337	356	3.7
Meath	134	66	17	257	274	4.1	18	399	417	4.4
Offaly	64	30	5	78	83	1.3	6	121	127	1.3
Westmeath	72	34	9	132	141	2.1	10	199	209	2.2
Wexford	117	63	7	229	236	3.6	7	351	358	3.7
Wicklow	115	55	10	171	181	2.7	11	264	275	2.9
<b>Munster</b>										
Clare	103	52	15	131	146	2.2	16	189	205	2.1
Cork	448	230	30	707	737	11.1	35	1,054	1,089	11.4
Kerry	132	67	7	189	196	3.0	8	255	263	2.7
Limerick	176	82	19	313	332	5.0	21	520	541	5.6
Tipperary NR	61	33	5	85	90	1.4	5	123	128	1.3
Tipperary SR	79	41	8	105	113	1.7	10	161	171	1.8
Waterford	102	49	12	180	192	2.9	12	254	266	2.8
<b>Connacht</b>										
Galway	209	95	24	301	325	4.9	26	466	492	5.1
Leitrim	26	13	5	38	43	0.6	5	58	63	0.7
Mayo	117	57	14	166	180	2.7	14	264	278	2.9
Roscommon	54	28	5	109	114	1.7	5	177	182	1.9
Sligo	58	28	9	77	86	1.3	9	131	140	1.5
<b>Ulster</b> (Part of)										
Cavan	56	28	6	136	142	2.1	7	214	221	2.3
Donegal	137	57	19	212	231	3.5	20	360	380	4.0
Monaghan	53	25	10	90	100	1.5	11	156	167	1.7
<b>TOTAL</b>	<b>3,917</b>	<b>1,850</b>	<b>346</b>	<b>6,279</b>	<b>6,625</b>	<b>100.0</b>	<b>376</b>	<b>9,206</b>	<b>9,582</b>	<b>100.0</b>

**Table 41 Fatal and Injury Accidents and Casualties by Garda Division**

Garda Division	Accidents				Casualties			
	Fatal	Injury	Total	%	Killed	Injured	Total	%
Cavan / Monaghan	18	243	261	3.9	20	392	412	4.3
Carlow / Kildare	29	393	422	6.4	30	611	641	6.7
Clare	15	123	138	2.1	16	177	193	2.0
Cork City	5	353	358	5.4	6	497	503	5.2
Cork North	12	196	208	3.1	12	292	304	3.2
Cork West	15	161	176	2.7	19	272	291	3.0
Donegal	19	213	232	3.5	20	361	381	4.0
DMR North Central	2	317	319	4.8	2	395	397	4.1
DMR North	7	202	209	3.2	7	258	265	2.8
DMR South Central	4	289	293	4.4	4	339	343	3.6
DMR South	10	341	351	5.3	10	427	437	4.6
DMR East	6	228	234	3.5	7	281	288	3.0
DMR West	18	299	317	4.8	20	392	412	4.3
Galway West	17	214	231	3.5	19	336	355	3.7
Kerry	7	189	196	3.0	8	255	263	2.7
Laois / Offaly	12	174	186	2.8	13	255	268	2.8
Limerick	17	324	341	5.1	19	534	553	5.8
Longford / Westmeath	16	214	230	3.5	18	327	345	3.6
Louth / Meath	30	477	507	7.7	36	770	806	8.4
Mayo	16	179	195	2.9	16	288	304	3.2
Roscommon / Galway	12	188	200	3.0	12	290	302	3.2
Sligo/Leitrim	10	87	97	1.5	10	145	155	1.6
Tipperary	14	197	211	3.2	16	303	319	3.3
Waterford / Kilkenny	20	350	370	5.6	20	506	526	5.5
Wexford / Wicklow	15	328	343	5.2	16	503	519	5.4
<b>TOTAL</b>	<b>346</b>	<b>6,279</b>	<b>6,625</b>	<b>100</b>	<b>376</b>	<b>9,206</b>	<b>9,582</b>	<b>100.0</b>

**Table 42 Fatal and Injury Accidents at or near Pedestrian Crossings**

	Fatal	Injury	Total
Total at or near Pedestrian Crossing	2	115	117

**Table 43 Fatal and Injury Accidents Inside and Outside Built-up Areas where Road Works were in progress at the Accident Scene**

Inside Built-up Area			Outside Built-up Areas		
Fatal	Injury	Total	Fatal	Injury	Total
0	1	1	0	2	2

*Note: Accidents omitted when speed limit is unknown*

**Table 44 Fatal and Injury Accidents Classified by Junction Type**

Road Layout	Inside Built-up Areas				Outside Built-up Areas			
	Fatal	Injury	Total	%	Fatal	Injury	Total	%
T-Junction	17	803	820	50.6	21	312	333	43.0
Crossroads	7	437	444	27.4	12	296	308	39.7
Y-Junction	1	88	89	5.5	5	53	58	7.5
Roundabout	1	120	121	7.5	1	19	20	2.6
Complex Junction	1	144	145	9.0	1	55	56	7.2
<b>TOTAL</b>	<b>27</b>	<b>1,592</b>	<b>1,619</b>	<b>100.0</b>	<b>40</b>	<b>735</b>	<b>775</b>	<b>100.0</b>

*Note: Accidents omitted when speed limit is unknown*

**Table 45 Fatal and Injury Accidents at Intersections Classified by Control Type**

Junction Control	Fatal	Injury	Total	%
Traffic Light	7	509	516	24.7
Stop Sign	12	347	359	17.2
Yield Sign	1	193	194	9.3
Road Markings Only	10	265	275	13.1
Roundabout	1	54	55	2.6
Pedestrian Crossing	2	101	103	4.9
Within 50ft of Pedestrian Crossing	0	14	14	0.7
No Control	14	503	517	24.7
Other	3	56	59	2.8
<b>TOTAL</b>	<b>50</b>	<b>2,042</b>	<b>2,092</b>	<b>100.0</b>

**Table 46 Fatal and Injury Accidents Classified by Road Type**

Road Type	Fatal	Injury	Total	%
Two-Way Single Carriageway	297	4,972	5,269	79.5
One-Way Single Carriageway	15	479	494	7.5
Dual Carriageway	9	352	361	5.4
Motorway	3	39	42	0.6
Other/Unknown	22	437	459	6.9
<b>TOTAL</b>	<b>346</b>	<b>6,279</b>	<b>6,625</b>	<b>100.0</b>

**Table 47 Traffic Accidents and Casualties in the Main Centres of Population**

	Road Length(km)	Fatal	Injury	Total	%	Killed	Injured	Total	%
Dublin City	1055	16	901	917	41.1	17	1,089	1,106	39.0
Dun Laoghaire-Rathdown	309	7	203	210	9.4	8	248	256	9.0
Fingal County	177	9	183	192	8.6	9	247	256	9.0
South Dublin County	153	14	391	405	18.1	15	514	529	18.7
Cork City	104	4	245	249	11.2	5	340	345	12.2
Waterford City	-	1	76	77	3.4	1	90	91	3.2
Limerick City	-	2	124	126	5.6	2	180	182	6.4
Galway City	-	1	56	57	2.6	1	70	71	2.5
<b>TOTAL</b>		<b>54</b>	<b>2,179</b>	<b>2,233</b>	<b>100.0</b>	<b>58</b>	<b>2,778</b>	<b>2,836</b>	<b>100</b>

**Table 48 Road Users Killed and Injured in the Main Centres of Population**

Road User	Dublin City		Dun Laoghaire Rathdown		Fingal		South Dublin	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Pedestrians	8	288	4	45	0	29	3	68
Pedal Cycle Users	4	91	0	17	3	7	0	34
Motor Cycle Users	4	235	0	66	1	26	3	85
Car Users	1	413	4	106	5	173	9	296
PSV Users	0	11	0	4	0	1	0	4
Goods Vehicle Users	0	27	0	7	0	11	0	24
Other or Unknown	0	24	0	3	0	0	0	3
<b>TOTAL</b>	<b>17</b>	<b>1,089</b>	<b>8</b>	<b>248</b>	<b>9</b>	<b>247</b>	<b>15</b>	<b>514</b>

Road User	Cork		Waterford		Limerick		Galway	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Pedestrians	2	76	0	21	1	27	1	13
Pedal Cycle Users	0	9	0	4	0	5	0	5
Motor Cycle Users	0	76	1	23	0	35	0	11
Car Users	1	168	0	39	1	107	0	40
PSV Users	0	1	0	0	0	1	0	0
Goods Vehicle Users	0	6	0	3	0	2	0	1
Other or Unknown	2	4	0	0	0	1	0	0
<b>TOTAL</b>	<b>5</b>	<b>340</b>	<b>1</b>	<b>90</b>	<b>2</b>	<b>178</b>	<b>1</b>	<b>70</b>

**Table 49 Vehicles involved in Fatal and Injury Accidents in the Main Centres of Population**

Vehicle Type	Dublin City		Dun Laoghaire Rathdown		Fingal		South Dublin	
	Fatal	Injury	Fatal	Injury	Fatal	Injury	Fatal	Injury
Pedal Cycle	5	95	0	16	3	5	0	34
Motor Cycle	3	248	0	72	1	28	3	88
Car	8	951	9	228	9	228	13	483
PSV	1	53	0	8	0	9	0	4
Goods	3	119	0	24	2	36	2	56
Other or Unknown	3	25	1	8	0	9	1	10
<b>TOTAL</b>	<b>23</b>	<b>1,491</b>	<b>10</b>	<b>356</b>	<b>15</b>	<b>315</b>	<b>19</b>	<b>675</b>

Vehicle Type	Cork		Waterford		Limerick		Galway	
	Fatal	Injury	Fatal	Injury	Fatal	Injury	Fatal	Injury
Pedal Cycle	0	9	0	4	0	5	0	5
Motor Cycle	1	70	1	23	0	31	0	13
Car	2	281	0	86	2	155	1	69
PSV	0	5	0	0	0	1	0	2
Goods	1	27	0	13	0	20	0	2
Other or Unknown	0	9	0	1	1	3	0	4
<b>TOTAL</b>	<b>4</b>	<b>401</b>	<b>1</b>	<b>127</b>	<b>3</b>	<b>215</b>	<b>1</b>	<b>95</b>

*Table contains information relating to a maximum of two vehicles per accident.*



**Table 50 Fatal and Injury Accidents in Towns**

Towns under 50,000 pop.(2002) with Legally Defined Boundaries	Population (2002)	Accidents 2000-2002			Average Accidents per 1,000 population in 2000-2002
		Fatal	Personal Injury	Total	
<b>Towns 10,000-50,000 pop.</b>					
Bray	26,215	1	34	35	0.7
Carlow.	13,188	3	64	67	2.5
Clonmel	15,721	0	51	51	1.6
Drogheda	28,308	5	61	66	1.2
Dundalk	27,399	4	155	159	2.9
Ennis	18,977	6	18	24	0.6
Naas	18,312	4	59	63	1.7
Sligo	18,429	3	45	48	1.3
Tralee	20,362	2	84	86	2.1
Tullamore	10,260	1	31	32	1.6
<b>Towns 5,000-10,000 pop.</b>					
Arklow	9,963	0	36	36	1.8
Athlone	7,479	0	34	34	2.3
Athy	6,058	0	21	21	1.7
Balbriggan	6,619	0	17	17	1.3
Ballina	6,918	1	43	44	3.2
Ballinasloe	5,977	0	17	17	1.4
Carrick-On-Suir	5,543	1	15	16	1.4
Castlebar	6,581	1	41	42	3.2
Cobh	6,771	0	22	22	1.6
Dungarvan	7,218	0	31	31	2.1
Kilkenny	8,594	1	71	72	4.2
Killarney	9,470	0	27	27	1.4
Letterkenny	8,109	1	38	39	2.4
Longford	6,899	2	36	38	2.8
Mallow	7,109	0	14	14	1.0
Monaghan	5,737	2	26	28	2.4
Mullingar	8,833	0	36	36	2.0
Nenagh	6,115	0	16	16	1.3
Newbridge	8,686	2	44	46	2.6
NewRoss	4,812	1	25	26	2.7
Thurles	6,874	0	22	22	1.6
Tramore	7,681	1	19	20	1.3
Westport	5,109	0	10	10	1.0
Wexford	9,443	0	71	71	3.8
Wicklow	7,007	0	22	22	1.6
Youghal	6,203	1	29	30	2.4

**Table 50 Fatal and Injury Accidents in Towns (contd.)**

Towns under 50,000 pop.(2002) with Legally Defined Boundaries	Population (2002)	Accidents 2000-2002			Average Accidents per 1,000 population in 2000-2002
		Fatal	Personal Injury	Total	
<b>Towns under 5,000 pop.</b>					
An Uaimh	3,415	0	58	58	8.5
Ardee	3,568	2	34	36	5.0
Ballybay	434	0	4	4	4.6
Ballyshannon	2,273	0	6	6	1.3
Bandon	1,605	0	12	12	3.7
Bantry	3,147	0	14	14	2.2
Belturbet	1,304	0	4	4	1.5
Birr	3,573	0	13	13	1.8
Boyle	1,641	1	9	10	3.0
Buncrana	3,433	0	6	6	0.9
Bundoran	1,665	1	12	13	3.9
Callan	1,268	0	5	5	2.0
Carrickmacross	1,970	1	19	20	5.1
Cashel	2,401	1	24	25	5.2
Castleblaney	1,712	1	22	23	6.7
Cavan	3,497	0	29	29	4.1
Ceannannus Mor	2,619	0	13	13	2.5
Clonakilty	3,437	0	5	5	0.7
Clones	1,728	0	4	4	1.2
Cootehill	1,368	0	21	21	7.7
Edenderry	4,222	0	9	9	1.1
Enniscorthy	3,742	1	17	18	2.4
Fermoy	2,276	1	21	22	4.8
Fethard Town	843	0	4	4	2.4
Gorey	3,093	0	11	11	1.8
Granard	1,021	0	5	5	2.4
Kilkee	1,261	0	6	6	2.4
Kilrush	2,678	1	11	12	2.2
Kinsale	2,237	1	8	9	2.0
Lismore	789	0	6	6	3.8
Listowel	3,569	2	9	11	1.5
Loughrea	4,001	0	15	15	1.9
Macroom	2,838	1	8	9	1.6
Midleton	3,875	0	13	13	1.7
Mountmellick	2,523	0	5	5	1.0
Muine Bheag	2,549	1	14	15	2.9
Newcastle	3,493	2	9	11	1.6
Passage West	4,179	2	5	7	0.8
Portlaoise	3,482	1	36	37	5.3
Rathkeale	1,366	0	7	7	2.6
Roscommon	1,630	1	26	27	8.3
Skibbereen.	2,015	0	5	5	1.2
Templemore	2,152	2	5	7	1.6

**Table 50 Fatal and Injury Accidents in Towns (contd.)**

Towns under 50,000 pop.(2002) with Legally Defined Boundaries Towns under 5,000 pop.	Population (2002)	Average Accidents 2000-2002			Accidents per 1,000 population in 2000-2002
		Fatal	Personal Injury	Total	
Tipperary	4,560	0	16	16	1.8
Trim	1,460	0	12	12	4.1
Tuam	3,089	0	12	12	1.9
Tullow	2,314	0	13	13	2.8

**Table 51 Fatal and Injury Accidents on National Routes Classified by Route and by Location Type**

National Route	Inside Built-up Areas				Outside Built-up Areas				Overall Total	Rate per 10 <sup>6</sup> Veh. Km*
	F	SI	MI	Total	F	SI	MI	Total		
N1	2	6	43	51	5	4	37	46	97	0.12
N2	1	1	28	30	6	15	33	54	84	0.15
N3	0	2	21	23	3	6	42	51	74	0.12
N4	0	4	31	35	8	7	48	63	98	0.08
N5	1	0	13	14	3	7	19	29	43	0.14
N6	1	4	24	29	5	9	30	44	73	0.11
N7	1	2	38	41	7	9	46	62	103	0.08
N8	1	1	15	17	8	6	27	41	58	0.09
N9	1	1	9	11	3	4	26	33	44	0.12
N10	1	0	4	5	0	0	3	3	8	0.08
N11	3	4	35	42	5	11	42	58	100	0.12
N12	0	0	0	0	0	0	2	2	2	0.10
N13	0	0	1	1	1	4	11	16	17	0.10
N14	0	0	1	1	4	2	7	13	14	0.23
N15	2	2	10	14	3	3	19	25	39	0.14
N16	0	0	1	1	0	1	2	3	4	0.07
N17	0	0	17	17	5	5	23	33	50	0.14
N18	3	0	7	10	3	9	24	36	46	0.09
N19	0	0	3	3	0	0	0	0	3	0.08
N20	0	0	13	13	0	7	15	22	35	0.08
N21	0	2	13	15	3	6	15	24	39	0.14
N22	1	1	12	14	3	9	20	32	46	0.13
N23	0	1	1	2	0	0	2	2	4	0.21
N24	1	3	10	14	4	3	15	22	36	0.10
N25	1	4	26	31	4	10	56	70	101	0.12
N26	0	0	1	1	0	1	0	1	2	0.04
N27	0	1	5	6	0	1	2	3	9	0.13
N28	0	0	0	0	0	0	5	5	5	0.09
N29	0	0	0	0	0	0	0	0	0	0.00
N30	0	0	0	0	0	1	9	10	10	0.17
N31	0	0	0	0	0	0	0	0	0	0.00
N32	0	1	1	2	0	0	0	0	2	0.05
M50	0	0	1	1	1	0	4	5	6	0.01
<b>TOTAL</b>	<b>20</b>	<b>40</b>	<b>384</b>	<b>444</b>	<b>84</b>	<b>140</b>	<b>584</b>	<b>808</b>	<b>1,252</b>	<b>0.10</b>

**Table 51 Fatal and Injury Accidents on National Routes Classified by Route and by Location Type (contd.)**

National Route	Inside Built-up Areas				Outside Built-up Areas				Overall Total	Rate per 10 <sup>6</sup> Veh. Km*
	F	SI	MI	Total	F	SI	MI	Total		
N51	0	0	3	3	0	2	4	6	9	0.12
N52	1	4	18	23	2	2	22	26	49	0.14
N53	0	0	2	2	0	1	7	8	10	0.25
N54	0	1	1	2	2	1	3	6	8	0.19
N55	0	1	8	9	3	3	16	22	31	0.28
N56	0	1	5	6	3	3	20	26	32	0.13
N58	0	0	1	1	0	0	0	0	1	0.06
N59	1	3	5	9	5	6	23	34	43	0.11
N60	0	3	4	7	2	3	10	15	22	0.15
N61	0	0	5	5	0	3	9	12	17	0.15
N62	0	1	6	7	0	1	10	11	18	0.14
N63	0	1	2	3	1	2	15	18	21	0.17
N65	0	0	1	1	0	0	2	2	3	0.06
N66	0	1	0	1	0	0	0	0	1	0.04
N67	0	0	7	7	2	4	8	14	21	0.17
N68	0	0	0	0	0	1	8	9	9	0.14
N69	0	1	7	8	2	8	10	20	28	0.13
N70	0	0	5	5	0	2	7	9	14	0.07
N71	0	1	6	7	5	5	19	29	36	0.08
N72	0	0	6	6	1	3	29	33	39	0.17
N73	0	0	0	0	0	1	2	3	3	0.08
N74	0	0	1	1	0	1	1	2	3	0.12
N75	0	0	3	3	0	1	0	1	4	0.28
N76	0	0	0	0	1	2	9	12	12	0.15
N77	0	0	0	0	1	1	5	7	7	0.11
N78	0	0	4	4	2	5	10	17	21	0.22
N80	0	4	13	17	5	5	20	30	47	0.18
N81	2	2	20	24	1	6	30	37	61	0.21
N82	0	0	0	0	0	0	0	0	0	0.00
N83	0	0	2	2	0	0	3	3	5	0.12
N84	0	2	0	2	1	0	7	8	10	0.07
N85	0	0	0	0	1	1	2	4	4	0.08
N86	0	3	0	3	0	1	5	6	9	0.09
N87	0	0	0	0	1	0	5	6	6	0.22
TOTAL	4	29	135	168	41	74	321	436	604	0.13
OVERALL TOTAL	24	69	519	612	125	214	905	1,244	1,856	0.11

\*Based on 2001 Veh. Km estimates

Note: Accidents omitted when speed limit is unknown

**Table 52 Material Damage Accidents by Month and by County**

2002													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Carlow	5	19	16	18	19	17	14	10	13	18	23	20	192
Cavan	24	42	32	24	35	33	42	40	25	45	27	37	406
Clare	23	33	25	16	22	14	18	20	15	18	8	20	232
Cork	240	235	257	263	234	225	224	223	267	275	254	231	2,928
Donegal	21	31	34	34	25	35	33	42	32	46	47	42	422
Dublin	439	479	422	364	409	356	370	400	363	500	494	392	4,988
Galway	41	48	66	53	64	61	87	85	65	70	80	76	796
Kerry	28	27	24	38	32	34	35	35	31	33	28	30	375
Kildare	52	46	49	53	45	50	40	52	51	57	53	52	600
Kilkenny	25	56	23	22	26	41	36	38	35	30	30	39	401
Laois	10	17	6	8	7	5	7	7	13	16	30	20	146
Leitrim	10	4	10	7	11	8	15	8	8	6	12	3	102
Limerick	114	132	112	115	101	109	104	110	109	128	136	107	1,377
Longford	20	18	17	20	11	10	16	13	9	13	11	15	173
Louth	19	30	44	32	35	34	43	37	28	53	60	46	461
Mayo	33	41	35	27	33	34	23	32	28	37	29	22	374
Meath	19	30	15	24	19	20	21	19	27	37	38	30	299
Monaghan	21	20	24	23	22	20	6	10	7	8	14	6	181
Offaly	9	11	8	16	7	9	6	9	12	14	12	15	128
Roscommon	25	24	22	27	27	33	34	26	41	39	41	26	365
Sligo	35	13	22	20	21	21	22	25	14	29	12	15	249
Tipp N	13	21	20	11	17	22	17	22	23	29	24	17	236
Tipp S	24	23	18	8	20	22	29	24	19	33	25	17	262
Waterford	69	54	64	64	62	57	64	54	52	61	61	67	729
Westmeath	29	29	29	25	35	37	31	44	41	53	40	35	428
Wexford	61	59	61	41	49	73	80	65	44	77	68	54	732
Wicklow	24	19	38	35	21	41	24	35	21	22	26	27	333
<b>TOTAL</b>	<b>1,433</b>	<b>1,561</b>	<b>1,493</b>	<b>1,388</b>	<b>1,409</b>	<b>1,421</b>	<b>1,441</b>	<b>1,485</b>	<b>1,393</b>	<b>1,747</b>	<b>1,683</b>	<b>1,461</b>	<b>17,915</b>

**Table 53: International Comparisons**

	<b>Number of Road Deaths<sup>1</sup> 2001</b>	<b>Rate per billion Vehicle kilometers 2001</b>	<b>Road Deaths per 100,000 Population 2001</b>
<b>E.U. Countries</b>			
Austria	958	12.7	11.9
Belgium	1,486	16.3	14.5
Denmark	431	9.2	8.1
Finland	433	9.1	8.4
France	8,160	14.8	13.8
Germany	6,977	11.3	8.5
Greece	2,037(a)	26.7	19.3 (a)
Ireland	411	10.9	10.7
Italy	6,410 (a)	-	11.1 (a)
Luxembourg	70	-	15.9
Netherlands	993	8.9 (b)	6.2
Portugal	1,671	-	21.0
Spain	5,517	-	13.8
Sweden	554	8.3 (b)	6.2
United Kingdom	3,598	7.5 (c)	6.1
<b>Other Countries</b>			
Australia	1,737	9.1	9.0
Japan	10,060	13.4 (a)	7.9
Norway	275	8.3	6.1
Switzerland	544	9.1	7.6
U.S.A.	42,116	9.4	14.8

(a) 2000; (b) 1999; (c) 1998.

1) Most countries adopt the 30 day definition of death due to a road accident. In cases where the 30-day rule is not used, a correction factor was applied to the figures to ensure comparability between countries.

(Sources: IRTAD - International Road Traffic and Accident Database)