



RSA

Road Casualties and Collisions in Ireland 2016 Tables

Research Department

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Údarás Um Shábháilteacht Ar Bhóithre
Road Safety Authority

Road Casualties and Collisions in Ireland 2016 - Tables

Introduction

These tables include all road traffic collisions reported to An Garda Síochána and forwarded to the RSA via an electronic data transfer of collision records (see Appendix: Methodological Note). The information provided in the records are based on information collected at the scene of a collision and do not encompass definitive results where a forensic collision investigation took place. This information is used to populate the 2016 road collision database which was then analysed to produce this report. It contains details of fatalities and personal injury collisions which occurred on public roads in Ireland in 2016; it also contains overall figures for all material damage collisions that year. Injury collisions on private property, such as private lanes and car parks, are excluded.

Notes on terminology:

- Casualties are persons killed or injured in a road collision.
- Injured persons can be further divided by severity into those who were seriously injured and those with minor injuries.
- Goods vehicles include light goods vehicles, such as vans, and heavy goods vehicles, such as articulated trucks.
- The vehicle category 'other' includes vehicles that are not accounted for in other options and would include vehicles such as agricultural tractors.
- An urban area is one where the speed limit was 60km/h or less in 2016 and a rural area is one where the speed limit was greater than 60km/h in 2016.

All data referenced in this document is sourced from the road collision database of the Road Safety Authority for 2016 and previous years unless otherwise cited. If you wish to reference information from this document, please use the following citation:

Road Safety Authority (2019) *Road Casualties and Collisions in Ireland 2016 - Tables* [Online]. Available at: <http://www.rsa.ie/en/RSA/Road-Safety/Our-Research/Collision-Statistics/>.

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Section 1: Trends in collisions and casualties

Table 1 Collisions Classified by Type and Vehicles Licensed, 2007 – 2016

Collision Type	2007	2008	2009	2010	2011	2012	2013	2014 ¹	2015	2016
Fatal	309	254	220	185	172	152	179	178	155	171
Injury	5,158	6,482	6,395	5,595	5,058	5,458	4,797	5,618	5,676	5,706
Material Damage	23,769	21,728	19,880	21,305	21,863	20,561	21,734	33,510	35,997	37,086
TOTAL	29,236	28,464	26,495	27,085	27,093	26,171	26,710	39,306	41,828	42,963
Vehicles current licences (thousands)	2,400	2,502	2,479	2,438	2,420	2,422	2,464	2,546	2,593	2,645

Table 2 Persons Killed and Injured, 2007 – 2016

	2007	2008	2009	2010	2011	2012	2013	2014 ¹	2015	2016
Killed	338	279	238	212	186	163	188	192	162	182
Injured	7,806	9,758	9,742	8,270	7,235	7,942	6,881	8,079	7,840	7,773
TOTAL	8,144	10,037	9,980	8,482	7,421	8,105	7,069	8,271	8,002	7,955

Table 3 Persons Killed Classified by Road User Type, 2007 – 2016

Road User Type	2007	2008	2009	2010	2011	2012	2013	2014 ¹	2015	2016
Pedestrians	81	49	40	44	47	29	31	41	31	35
Pedal Cyclists	15	13	7	5	9	8	5	13	10	10
Motor Cyclists	33	29	25	17	18	19	26	24	22	22
Car Users	171	160	146	130	95	90	107	103	89	106
Other Road User*	38	28	20	16	17	17	19	11	10	9
TOTAL	338	279	238	212	186	163	188	192	162	182

*(PSV, Goods vehicle and other or unknown road users)

¹ Revised

Table 4 All Casualties Classified by Road User Type, 2007 – 2016

Road User Type	2007	2008	2009	2010	2011	2012	2013	2014 ²	2015	2016
Pedestrians	965	1,173	1,115	967	977	1,038	926	1,106	1,074	1,077
Pedal Cyclists	272	349	370	404	404	638	642	877	943	981
Motor Cyclists	410	523	467	408	342	357	299	315	360	405
Car Users	5,638	7,105	7,260	5,944	5,025	5,492	4,642	5,340	4,999	4,860
Other Road User*	859	887	768	759	673	580	560	633	626	632
TOTAL	8,144	10,037	9,980	8,482	7,421	8,105	7,069	8,271	8,002	7,955

*(PSV, Goods vehicle and other or unknown road users)

² Revised

Table 5 Persons Killed and Injured in Each County, 2012-2016

County	Persons Killed					Persons Injured				
	2012	2013	2014 ³	2015	2016	2012	2013	2014	2015	2016
Leinster										
Carlow	2	2	5	4	0	67	89	103	95	86
Dublin	12	19	28	16	21	1,974	1,410	2,125	2,143	2,245
Kildare	1	15	4	9	7	260	337	335	343	387
Kilkenny	3	4	3	2	6	176	119	137	166	169
Laois	5	2	7	4	3	118	95	150	96	106
Longford	7	2	4	5	3	100	86	102	136	114
Louth	7	4	6	6	7	343	294	318	245	231
Meath	14	9	5	8	12	296	227	330	303	283
Offaly	0	5	2	5	4	128	135	107	94	116
Westmeath	5	5	6	5	4	138	105	161	160	167
Wexford	9	7	4	7	4	283	201	225	234	217
Wicklow	3	6	7	8	2	264	183	202	191	179
Munster										
Clare	2	2	5	2	4	194	182	173	158	161
Cork	21	18	19	15	21	742	707	816	717	693
Kerry	7	14	14	8	7	239	250	347	279	272
Limerick	5	6	10	4	14	385	401	400	355	350
Tipperary	5	12	14	4	13	237	248	266	237	234
Waterford	3	2	6	0	8	201	195	165	228	194
Connacht										
Galway	19	13	5	12	10	505	467	515	479	424
Leitrim	0	2	1	3	1	71	40	56	86	88
Mayo	7	6	12	13	4	269	216	216	227	209
Roscommon	3	4	6	1	7	146	119	141	114	142
Sligo	4	5	1	2	2	133	149	100	124	99
Ulster (part of)										
Cavan	10	3	1	4	3	161	163	166	168	179
Donegal	7	13	9	11	10	390	355	310	318	314
Monaghan	2	8	8	4	5	122	107	113	144	114
TOTAL	163	188	192	162	182	7,942	6,880	8,079	7,840	7,773

³ Revised

Section 2: General Tables

Table 6 Traffic Collisions and Casualties Classified by Month of Year

Month	Collisions				Casualties			
	Fatal	Injury	Total	%	Killed	Injured	Total	%
January	14	513	527	9.0	15	697	712	8.9
February	9	456	465	7.9	9	611	620	7.8
March	16	414	430	7.3	17	601	618	7.8
April	13	399	412	7.0	14	533	547	6.9
May	20	459	479	8.1	20	630	650	8.2
June	12	471	483	8.2	12	645	657	8.3
July	15	526	541	9.2	19	726	745	9.4
August	13	459	472	8.0	13	633	646	8.1
September	16	528	544	9.3	17	732	749	9.4
October	19	483	502	8.5	20	631	651	8.2
November	9	489	498	8.5	9	656	665	8.4
December	15	509	524	8.9	17	678	695	8.7
TOTAL	171	5,706	5,877	100	182	7,773	7,955	100

Table 7 Fatal and Injury Collisions and Casualties Classified by Hour of Day

Hour Beginning	Collisions				Casualties			
	Fatal	Injury	Total	%	Killed	Injured	Total	%
12 midnight	4	113	117	2.0	4	168	172	2.2
1	8	100	108	1.8	10	137	147	1.8
2	6	79	85	1.4	6	115	121	1.5
3	3	88	91	1.5	3	119	122	1.5
4	6	51	57	1.0	7	78	85	1.1
5	4	53	57	1.0	4	65	69	0.9
6	3	92	95	1.6	4	109	113	1.4
7	6	227	233	4.0	6	269	275	3.5
8	4	358	362	6.2	4	424	428	5.4
9	5	305	310	5.3	5	405	410	5.2
10	9	227	236	4.0	11	294	305	3.8
11	6	238	244	4.2	6	318	324	4.1
12	6	336	342	5.8	6	463	469	5.9
13	9	356	365	6.2	9	495	504	6.3
14	4	336	340	5.8	4	440	444	5.6
15	10	347	357	6.1	11	459	470	5.9
16	18	429	447	7.6	20	607	627	7.9
17	8	488	496	8.4	8	639	647	8.1
18	8	420	428	7.3	8	583	591	7.4
19	9	339	348	5.9	10	463	473	5.9
20	8	239	247	4.2	8	363	371	4.7
21	7	193	200	3.4	8	295	303	3.8
22	9	166	175	3.0	9	269	278	3.5
23	11	126	137	2.3	11	196	207	2.6
Unknown	0	0	0	0	0	0	0	0
TOTAL	171	5,706	5,877	100	182	7,773	7,955	100

Table 8 Fatal and Injury Collisions and Casualties by Day of Week

Day	Collisions				Casualties			
	Fatal	Injury	Total	%	Killed	Injured	Total	%
Sunday	34	707	741	12.6	37	1,047	1,084	13.6
Monday	18	823	841	14.3	19	1,109	1,128	14.2
Tuesday	26	825	851	14.5	28	1,114	1,142	14.4
Wednesday	22	842	864	14.7	24	1,121	1,145	14.4
Thursday	29	811	840	14.3	31	1,046	1,077	13.5
Friday	15	904	919	15.6	15	1,198	1,213	15.2
Saturday	27	794	821	14.0	28	1,138	1,166	14.7
TOTAL	171	5,706	5,877	100	182	7,773	7,955	100

Table 9 Fatal and Injury Collisions and Casualties by Light Condition**COLLISIONS**

Light Condition	Inside Built-up Areas				Outside Built-up Areas			
	Fatal	Injury	Total	%	Fatal	Injury	Total	%
Day - Good visibility	25	2,313	2,338	65.7	64	1,406	1,470	63.5
Day - Poor visibility	1	96	97	2.7	6	90	96	4.1
Dark - Good lighting	14	809	823	23.1	4	102	106	4.6
Dark - Poor lighting	3	155	158	4.4	2	84	86	3.7
Dark - Unlit lighting	1	7	8	0.2	3	40	43	1.9
Dark - No Lighting	6	47	53	1.5	42	462	504	21.8
Unknown	0	70	70	2.0	0	9	9	0.4
Not Stated	0	11	11	0.3	0	3	3	0.1
TOTAL	50	3,508	3,558	100.0	121	2,196	2,317	100.0

CASUALTIES

Light Condition	Inside Built-up Areas				Outside Built-up Areas			
	Killed	Injured	Total	%	Killed	Injured	Total	%
Day - Good visibility	26	2,814	2,840	64.7	69	2,173	2,242	63.9
Day - Poor visibility	1	123	124	2.8	6	137	143	4.0
Dark - Good lighting	15	1,050	1,065	24.3	4	163	167	4.7
Dark - Poor lighting	3	191	194	4.4	2	134	136	3.8
Dark - Unlit lighting	1	12	13	0.3	3	67	70	2.0
Dark - No Lighting	6	66	72	1.6	46	740	786	22.1
Unknown	0	72	72	1.6	0	13	13	0.4
Not Stated	0	11	11	0.3	0	5	5	0.1
TOTAL	52	4,339	4,391	100	130	3,432	3,562	100

Note: collisions omitted when speed limit is unknown

Table 10 Fatal and Injury Collisions Classified by Primary Weather Conditions

Weather	Fatal	Serious Injury	Minor Injury	Total	%
Dry	137	635	3,776	4,548	77.4
Wet	27	144	846	1,017	17.3
Frost/Ice	2	9	54	65	1.1
Snow	0	0	8	8	0.1
Fog/Mist	5	11	30	46	0.8
High Winds	0	3	4	7	0.1
Other	0	0	0	0	0.0
Unknown	0	26	145	171	2.9
Not Specified	0	2	13	15	0.3
TOTAL	171	830	4,876	5,877	100.0

Table 11 Fatal and Injury Collisions Classified by Road Surface Conditions

Road Surface	Fatal	Serious Injury	Minor Injury	Total	%
Dry	106	526	3,157	3,789	64.5
Wet	62	253	1,426	1,741	29.6
Frost/Ice	2	18	108	128	2.2
Snow	1	1	8	10	0.2
Other	0	2	12	14	0.2
Unknown	0	28	150	178	3.0
Not Specified	0	2	15	17	0.3
TOTAL	171	830	4,876	5,877	100.0

Table 12 Fatal and Injury Collisions Classified by Road Character and Road Gradient

Road Character	Fatal	Serious Injury	Minor Injury	Total	%
Straight	125	640	3,874	4,639	78.9
Bend	46	190	1,000	1,236	21.0
Not Specified	0	0	2	2	0.0
TOTAL	171	830	4,876	5,877	100.0

Road Gradient	Fatal	Serious Injury	Minor Injury	Total	%
Hillcrest	2	9	32	43	0.7
Some Gradient	24	93	484	601	10.2
Up Hill	5	46	278	329	5.6
Down Hill	19	62	336	417	7.1
No Gradient	121	617	3,734	4,472	76.1
Not Specified	0	3	12	15	0.3
TOTAL	171	830	4,876	5,877	100.0

Table 13 Collisions classified by Road Surface Conditions and by Occurrence of Skidding

Road Surface	Skidding Occurred	No Skidding	Not Stated	Total	Skidding Rate (%)*
Dry	356	3,051	371	3,778	10.4
Wet	283	1,107	347	1,737	20.4
Frost/Ice	61	43	24	128	58.7
Snow	6	3	1	10	66.7
Other	10	3	1	14	76.9
Unknown	3	33	142	178	8.3
Not Specified	0	1	16	17	0.0
TOTAL	719	4,241	902	5,8762	14.5

Table 14 Collisions on Wet Roads Classified by Road Character & Road Gradient and by Occurrence of Skidding

Road Character	Skidding Occurred	No Skidding	Not Stated	Total	Rate (%)*
Straight	172	837	252	1,261	17.0
Bend	111	270	95	476	29.1
TOTAL	283	1,107	347	1,737	20.4

*Excludes not specified category

Road Gradient	Skidding Occurred	No Skidding	Not Stated	Total	Rate (%)*
Hillcrest	2	7	3	12	22.2
Some Gradient	37	119	44	200	23.7
Up Hill	15	56	16	87	21.1
Down Hill	34	82	34	150	29.3
No Gradient	195	843	250	1,288	18.8
TOTAL	283	1,107	347	1,737	20.4

*Excludes not specified category

Table 15 Fatal and Injury Collisions Inside and Outside Built-up Areas Classified by Collision Type

Collision Type	Inside Built-up Areas				Outside Built-up Areas			
	Fatal	Injury	Total	%	Fatal	Injury	Total	%
Single Vehicle and Pedestrian	17	891	908	25.5	15	65	80	3.5
Single Vehicle Only	16	436	452	12.7	37	868	905	39.1
Two or more Vehicle Collisions	17	2,179	2,196	61.8	69	1,262	1,331	57.5
TOTAL	50	3,506	3,556	100	121	2,195	2,316	100.0

Breakdown of two or more vehicle accidents	Inside Built-up Areas				Outside Built-up Areas			
	Killed	Injured	Total	%	Killed	Injured	Total	%
Rear End	1	579	580	26.4	5	360	365	27.4
Angle	2	275	277	12.6	10	202	212	15.9
Head On	8	183	191	8.7	37	280	317	23.8
Other/ Not Known	6	1142	1148	52.3	18	420	438	32.9

*Note: Collisions omitted when speed limit is unknown

Table 16 Single Vehicle Collisions not Involving Pedestrians Classified by Type of Collision

Type of collision	Fatal	Injury	Total	%
Bollard/Island	1	17	18	1.3
Parked Vehicle	0	3	3	0.2
Parked Trailer/Skip	0	1	1	0.1
Pole	5	66	71	5.2
Tree	2	91	93	6.9
Animal	1	15	16	1.2
Wall/Gate	12	182	194	14.3
Ditch	10	426	436	32.1
Other/Unknown	21	428	449	33.1
Not Stated	1	75	76	5.6
TOTAL	53	1,304	1,357	100.0

Table 17 Fatal and Injury Collisions Classified by Possible Contributory Factor Where Specified

TO BE UPDATED - PLEASE SEE METHODOLOGICAL NOTE

Section 3: Casualties

Table 18 All Casualties Classified by Road User Type

Casualty Class	Killed	Serious Injury	Minor Injury	Total	%
Pedestrians	35	218	824	1,077	13.5
Pedal Cycle Users	10	146	825	981	12.3
Motor Cycle Users	22	107	276	405	5.1
Car Users	106	438	4,318	4,862	61.1
PSV Users	0	2	77	79	1.0
Goods Vehicle Users	8	48	368	424	5.3
Other	1	6	120	127	1.6
TOTAL	182	965	6,808	7,955	100.0

Note: Collisions omitted when injury severity or casualty class is 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	0	50	50	4.6	0	4	4	0.4	0	0	0	0.0
6-9	0	64	64	5.9	0	13	13	1.3	0	0	0	0.0
10-14	2	89	91	8.4	2	47	49	5.0	0	4	4	1.0
15-17	1	41	42	3.9	0	31	31	3.2	0	12	12	3.0
18-20	0	61	61	5.7	1	39	40	4.1	1	15	16	4.0
21-24	1	66	67	6.2	0	91	91	9.3	2	30	32	7.9
25-34	3	144	147	13.6	1	237	238	24.3	6	114	120	29.6
35-44	6	134	140	13.0	2	229	231	23.5	5	97	102	25.2
45-54	4	109	113	10.5	0	153	153	15.6	3	64	67	16.5
55-64	4	112	116	10.8	1	78	79	8.1	3	29	32	7.9
65 and Over	14	161	175	16.2	3	44	47	4.8	2	16	18	4.4
Unknown	0	11	11	1.0	0	5	5	0.5	0	2	2	0.5
TOTAL	35	1042	1077	100	10	971	981	100	22	383	405	100

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	1	127	128	7.5	1	128	129	2.7	0	4	4	0.6
6-9	0	0	0	0.0	0	84	84	4.9	0	84	84	1.7	0	3	3	0.5
10-14	0	1	1	0.0	2	97	99	5.8	2	98	100	2.1	1	15	16	2.5
15-17	0	21	21	0.7	1	143	144	8.4	1	164	165	3.4	1	14	15	2.4
18-20	5	156	161	5.1	10	203	213	12.4	15	359	374	7.7	0	15	15	2.4
21-24	7	307	314	10.0	3	216	219	12.7	10	523	533	11.0	1	39	40	6.3
25-34	19	715	734	23.4	3	297	300	17.5	22	1,012	1,034	21.3	2	133	135	21.4
35-44	10	735	745	23.7	6	175	181	10.5	16	910	926	19.0	2	160	162	25.6
45-54	8	506	514	16.4	0	115	115	6.7	8	621	629	12.9	0	111	111	17.6
55-64	5	308	313	10.0	1	88	89	5.2	6	396	402	8.3	0	62	62	9.8
65 and Over	17	314	331	10.5	7	130	137	8.0	24	444	468	9.6	2	51	53	8.4
Unknown	0	7	7	0.2	0	9	9	0.5	0	16	16	0.3	0	16	16	2.5
TOTAL	71	3,071	3,142	100	34	1,684	1,718	100	105	4,755	4,860	100.0	9	623	632	100.0

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	0	30	30	5.2	0	4	4	0.6	0	0	0	0.0
6-9	0	37	37	6.4	0	11	11	1.5	0	0	0	0.0
10-14	2	49	51	8.9	2	39	41	5.7	0	2	2	0.5
15-17	1	16	17	3.0	0	28	28	3.9	0	12	12	3.3
18-20	0	27	27	4.7	1	25	26	3.6	1	13	14	3.8
21-24	1	31	32	5.6	0	68	68	9.4	2	28	30	8.1
25-34	3	78	81	14.1	0	169	169	23.4	6	104	110	29.8
35-44	5	83	88	15.3	1	160	161	22.3	4	89	93	25.2
45-54	3	54	57	9.9	0	119	119	16.5	3	58	61	16.5
55-64	4	61	65	11.3	1	60	61	8.4	2	28	30	8.1
65 and Over	6	78	84	14.6	3	29	32	4.4	2	14	16	4.3
Unknown	0	6	6	1.0	0	2	2	0.3	0	1	1	0.3
TOTAL	25	550	575	100	8	714	722	100	20	349	369	100

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	0	68	68	8.8	0	69	69	2.9	0	3	3	0.6
6-9	0	0	0	0.0	0	38	38	4.9	0	38	38	1.6	0	2	2	0.4
10-14	0	1	1	0.1	2	55	57	7.4	2	56	58	2.4	1	9	10	1.9
15-17	0	15	15	0.9	0	64	64	8.3	0	79	79	3.3	1	10	11	2.1
18-20	5	107	112	6.9	6	103	109	14.1	11	210	221	9.2	0	11	11	2.1
21-24	7	167	174	10.7	3	107	110	14.2	10	274	284	11.9	0	35	35	6.7
25-34	11	333	344	21.2	1	148	149	19.3	12	481	493	20.6	2	118	120	23.1
35-44	8	355	363	22.4	4	76	80	10.3	12	431	443	18.5	2	131	133	25.6
45-54	7	241	248	15.3	0	39	39	5.0	7	280	287	12.0	0	101	101	19.4
55-64	2	149	151	9.3	0	28	28	3.6	2	177	179	7.5	0	52	52	10.0
65 and Over	15	193	208	12.8	1	26	27	3.5	16	219	235	9.8	2	39	41	7.9
Unknown	0	4	4	0.2	0	4	4	0.5	0	8	8	0.3	0	1	1	0.2
TOTAL	55	1,566	1,621	100	17	756	773	100	72	2,322	2,394	100	8	512	520	100

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	0	20	20	4.0	0	0	0	0.0	0	0	0	0.0
6-9	0	27	27	5.4	0	2	2	0.8	0	0	0	0.0
10-14	0	40	40	8.0	0	8	8	3.1	0	2	2	5.6
15-17	0	25	25	5.0	0	3	3	1.2	0	0	0	0.0
18-20	0	34	34	6.8	0	14	14	5.4	0	2	2	5.6
21-24	0	35	35	7.0	0	23	23	8.9	0	2	2	5.6
25-34	0	66	66	13.2	1	68	69	26.8	0	10	10	27.8
35-44	1	51	52	10.4	1	69	70	27.2	1	8	9	25.0
45-54	1	55	56	11.2	0	34	34	13.2	0	6	6	16.7
55-64	0	51	51	10.2	0	18	18	7.0	1	1	2	5.6
65 and Over	8	83	91	18.2	0	15	15	5.8	0	2	2	5.6
Unknown	0	3	3	0.6	0	1	1	0.4	0	1	1	2.8
TOTAL	10	490	500	100	2	255	257	100	2	34	36	100

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	59	60	6.4	1	59	60	2.4	0	1	1	1.0
6-9	0	0	0	0.0	0	46	46	4.9	0	46	46	1.9	0	1	1	1.0
10-14	0	0	0	0.0	0	42	42	4.5	0	42	42	1.7	0	6	6	6.1
15-17	0	6	6	0.4	1	78	79	8.4	1	84	85	3.5	0	4	4	4.1
18-20	0	49	49	3.2	4	100	104	11.1	4	149	153	6.2	0	4	4	4.1
21-24	0	139	139	9.2	0	109	109	11.6	0	248	248	10.1	1	4	5	5.1
25-34	8	381	389	25.6	2	149	151	16.1	10	530	540	22.0	0	15	15	15.3
35-44	2	380	382	25.2	2	98	100	10.6	4	478	482	19.6	0	29	29	29.6
45-54	1	265	266	17.5	0	76	76	8.1	1	341	342	13.9	0	10	10	10.2
55-64	3	159	162	10.7	1	60	61	6.5	4	219	223	9.1	0	10	10	10.2
65 and Over	2	121	123	8.1	6	104	110	11.7	8	225	233	9.5	0	12	12	12.2
Unknown	0	1	1	0.1	0	1	1	0.1	0	2	2	0.1	0	1	1	1.0
TOTAL	16	1,501	1,517	100	17	922	939	100	33	2,423	2,456	100	1	97	98	100

Table 22 All Casualties Classified by Age and Sex

Age Groups	Male			Female			Overall Total	%
	Killed	Injured	Total	Killed	Injured	Total		
0-5	0	106	106	1	80	81	187	2.4
6-9	0	88	88	0	76	76	164	2.1
10-14	7	155	162	0	98	98	260	3.3
15-17	2	145	147	1	116	117	264	3.3
18-20	13	286	299	4	203	207	506	6.4
21-24	13	436	449	1	312	313	762	9.6
25-34	23	950	973	11	689	700	1,673	21.1
35-44	24	894	918	7	635	642	1,560	19.7
45-54	13	612	625	2	446	448	1,073	13.5
55-64	9	378	387	5	299	304	691	8.7
65 and Over	29	379	408	16	337	353	761	9.6
Unknown	1	18	19	0	8	8	27	0.3
TOTAL	134	4,447	4,581	48	3,299	3,347	7,928	100.0

Note: Collisions 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) (2016 Census)	Cas. per 1000 pop
	Killed	Injured	Total	%	Killed	Injured	Total	%				
0-5	0	93	93	2.1	1	93	94	2.6	187	2.4	404	0.5
6-9	0	113	113	2.6	0	51	51	1.4	164	2.1	283	0.6
10-14	3	177	180	4.1	4	76	80	2.2	260	3.3	319	0.8
15-17	2	145	147	3.3	1	117	118	3.3	265	3.3	184	1.4
18-20	4	238	242	5.5	13	251	264	7.4	506	6.4	175	2.9
21-24	4	415	419	9.5	10	334	344	9.7	763	9.6	217	3.5
25-34	7	924	931	21.2	27	716	743	20.9	1,674	21.0	659	2.5
35-44	11	866	877	20.0	20	664	684	19.2	1,561	19.6	747	2.1
45-54	5	608	613	14.0	10	450	460	12.9	1,073	13.5	626	1.7
55-64	3	353	356	8.1	11	324	335	9.4	691	8.7	509	1.4
65 and Over	13	373	386	8.8	32	342	374	10.5	760	9.6	638	1.2
Unknown	0	34	34	0.8	1	14	15	0.4	49	0.6		
TOTAL	52	4,339	4,391	100	130	3,432	3,562	100	7,953	100	4,761	1.7

Note: Collisions omitted when speed limit is unknown

Table 24 Casualties Classified 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	18	971	989	22.5	17	71	88	2.5
Pedal Cycle Users	4	841	845	19.2	6	129	135	3.8
Motor Cycle Users	9	241	250	5.7	13	142	155	4.3
Car Users	18	2,068	2,086	47.5	88	2,686	2,774	77.9
PSV Users	0	38	38	0.9	0	41	41	1.2
Goods Vehicle Users	2	110	112	2.6	6	306	312	8.8
Other	1	62	63	1.4	0	52	52	1.5
Unknown	0	8	8	0.2	0	5	5	0.1
TOTAL	52	4,339	4,391	100	130	3,432	3,562	100

Note: Collisions 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	%
Day - Good visibility	8	594	602	60.9	4	39	43	48.9
Day - Poor visibility	0	29	29	2.9	0	2	2	2.3
Dark - Good lighting	6	261	267	27.0	2	6	8	9.1
Dark - Poorly lighting	2	54	56	5.7	0	2	2	2.3
Dark - Unlit lighting	1	2	3	0.3	1	1	2	2.3
Dark - No Lighting	1	8	9	0.9	10	19	29	33.0
Unknown	0	21	21	2.1	0	0	0	0.0
Not Stated	0	2	2	0.2	0	2	2	2.3
TOTAL	18	971	989	100	17	71	88	100

Note: Collisions omitted when speed limit is unknown

Table 26 Pedestrian Casualties Classified 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	
DAYLIGHT									
Crossing masked by Parked Car	0	15	0	7	0	4	0	26	26
Otherwise crossing	0	24	0	63	3	29	3	116	119
Walking with traffic	0	1	1	7	1	1	2	9	11
Walking against traffic	0	0	1	3	0	0	1	3	4
Standing in roadway	0	0	0	7	0	2	0	9	9
Playing in roadway	0	19	0	0	0	0	0	19	19
Lying on roadway	0	1	0	0	0	0	0	1	1
Other	1	77	1	143	0	35	2	255	257
Unknown	0	32	1	147	3	46	4	225	229
TOTAL	1	169	4	377	7	117	12	663	675
DARKNESS									
Crossing masked by Parked Car	0	1	0	7	0	1	0	9	9
Otherwise crossing	0	7	3	36	5	13	8	56	64
Walking with traffic	0	0	0	4	0	0	0	4	4
Walking against traffic	0	0	0	4	0	0	0	4	4
Standing in roadway	0	0	1	10	0	0	1	10	11
Playing in roadway	0	1	0	1	0	0	0	2	2
Lying on roadway	0	0	1	2	0	0	1	2	3
Other	1	11	10	120	2	17	13	148	161
Unknown	0	9	0	94	0	10	0	113	113
TOTAL	1	29	15	278	7	41	23	348	371
OVERALL TOTAL	2	198	19	655	14	158	35	1,011	1,046

Note: Collisions omitted where age or light conditions not specified

Section 4: Drivers and Vehicles

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

All Drivers	Drivers				
	Killed	Injured	Uninjured	Total	%
Pedal Cycle	10	971	32	1,013	10.6
Motor Cycle	21	362	32	415	4.4
Car	71	3,071	3,686	6,828	71.7
PSV	0	20	85	105	1.1
Goods Vehicle	6	332	636	974	10.2
Other or Unknown	0	76	105	181	1.9
TOTAL	108	4,832	4,576	9,516	100.0

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

Male Drivers*	Drivers				
	Killed	Injured	Uninjured	Total	%
Pedal Cycle	8	714	31	753	11.9
Motor Cycle	20	342	32	394	6.2
Car	55	1,566	2,374	3,995	63.2
PSV	0	19	75	94	1.5
Goods Vehicle	6	316	613	935	14.8
Other or Unknown	0	66	87	153	2.4
TOTAL	89	3,023	3,212	6,324	100.0

*Where gender specified

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

Female Drivers*	Drivers				
	Killed	Injured	Uninjured	Total	%
Pedal Cycle	2	255	1	258	8.2
Motor Cycle	1	20	0	21	0.7
Car	16	1,501	1,291	2,808	89.4
PSV	0	1	5	6	0.2
Goods Vehicle	0	15	16	31	1.0
Other or Unknown	0	11	5	16	0.5
TOTAL	19	1,803	1,318	3,140	100.0

*Where gender specified

Table 30 Drivers of Cars Involved in Fatal and Injury Collisions Classified by Age and by Sex

Age Group	Drivers									
	Male				Female				Overall Total	% of Total
	Killed	Injured	Uninjured	Total	Killed	Injured	Uninjured	Total		
0-5	0	1	0	1	0	0	0	0	1	0.0
6-9	0	0	0	0	0	0	0	0	0	0.0
10-14	0	1	0	1	0	0	0	0	1	0.0
15-17	0	15	18	33	0	6	4	10	43	0.6
18-20	5	107	126	238	0	49	40	89	327	4.8
21-24	7	167	205	379	0	139	112	251	630	9.3
25-34	11	333	514	858	8	381	314	703	1,561	22.9
35-44	8	355	531	894	2	380	317	699	1,593	23.4
45-54	7	241	398	646	1	265	250	516	1,162	17.1
55-64	2	149	284	435	3	159	137	299	734	10.8
65 and Over	15	193	296	504	2	121	117	240	744	10.9
Unknown	0	4	2	6	0	1	0	1	7	0.1
TOTAL	55	1,566	2,374	3,995	16	1,501	1,291	2,808	6,803	100.0

Table 31 Motorcycle Drivers Involved in Fatal and Injury Collisions Classified 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	1	1	2	0	1	0	1	3	0.7
15-17	0	9	1	10	0	0	0	0	10	2.4
18-20	1	13	1	15	0	1	0	1	16	3.9
21-24	2	27	2	31	0	2	0	2	33	8.0
25-34	6	103	5	114	0	7	0	7	121	29.2
35-44	4	89	8	101	1	4	0	5	106	25.5
45-54	3	58	7	68	0	2	0	2	70	16.9
55-64	2	28	4	34	0	0	0	0	34	8.2
65 and Over	2	13	2	17	0	2	0	2	19	4.6
Unknown	0	1	1	2	0	1	0	1	3	0.7
TOTAL	20	342	32	394	1	20	0	21	415	100

Table 32 Drivers of Other Vehicles Involved in Fatal and Injury Collisions Classified 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	1	0	1	0	0	0	0	1	0.1
10-14	0	0	0	0	0	0	0	0	0	0.0
15-17	0	2	5	7	0	1	0	1	8	0.6
18-20	0	8	19	27	0	0	1	1	28	2.3
21-24	0	15	36	51	0	1	2	3	54	4.4
25-34	2	94	150	246	0	5	8	13	259	21.0
35-44	2	106	212	320	0	13	7	20	340	27.5
45-54	0	90	172	262	0	2	5	7	269	21.8
55-64	0	48	121	169	0	4	2	6	175	14.2
65 and Over	2	37	57	96	0	1	0	1	97	7.9
Unknown	0	0	2	2	0	0	1	1	3	0.2
TOTAL	6	401	774	1,181	0	27	26	53	1,234	100

Note: Pedal Cyclists excluded from this table

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

Seat Belt Usage	Killed	Injured	Uninjured	Total	%
Car Drivers					
Seat Belt in Use	39	2,314	2,193	4,546	66.6
Seat Belt Not in Use	17	108	62	187	2.7
Unknown	15	642	1,415	2,072	30.3
Not Stated	0	7	16	23	0.3
TOTAL	71	3,071	3,686	6,828	100.0
Passengers (front seat)					
Seat Belt in Use	10	687	-	697	72.6
Seat Belt Not in Use	8	35	-	43	4.5
Unknown	6	209	-	215	22.4
Not Stated	0	5	-	5	0.5
TOTAL	24	936	-	960	100.0

Table 34 Users of Motorcycles Involved in Fatal and Injury Collisions Classified by Crash Helmet Usage

Crash Helmet Usage	Killed	Injured	Uninjured	Total	%
Crash Helmet in Use	19	336	29	384	92.5
Crash Helmet Not in Use	1	13	0	14	3.4
Unknown	0	7	1	8	1.9
Not Stated	1	6	2	9	2.2
TOTAL	21	362	32	415	100.0
Pillion					
Crash Helmet in Use	1	19		20	90.9
Crash Helmet Not in Use	0	2		2	9.1
Unknown	0	0		0	0.0
Not Stated	0	0		0	0.0
TOTAL	1	21		22	100.0

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

	Fatal	Injury	Total	%
CARS				
Ireland	171	6394	6,565	96.5
Northern Ireland	2	108	110	1.6
Britain	0	36	36	0.5
Other	0	93	93	1.4
TOTAL	173	6,631	6,804	100
GOODS				
Ireland	43	880	923	97.2
Northern Ireland	2	15	17	1.8
Britain	1	3	4	0.4
Other	1	5	6	0.6
TOTAL	47	903	950	100

**where specified*

Table 36 Two Vehicle Collisions: Contributory Action, where Specified

TO BE UPDATED – PLEASE SEE METHODOLOGICAL NOTE

Table 37 Vehicles Involved in Fatal and Injury Collisions 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	4	871	875	14.6	6	135	141	3.6
Motor Cycles	10	251	261	4.3	14	137	151	3.9
Cars	39	4,220	4,259	70.9	135	2,748	2,883	74.5
PSVs	0	76	76	1.3	0	34	34	0.9
Goods Vehicles	12	436	448	7.5	35	514	549	14.2
Other or Unknown	3	85	88	1.5	9	103	112	2.9
TOTAL	68	5,939	6,007	100	199	3,671	3,870	100

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

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

Vehicle Type	Pedestrian Involved				No Pedestrian Involved			
	Fatal	Injury	Total	%	Fatal	Injury	Total	%
Pedal Cycles	1	30	31	3.1	2	147	149	11.0
Motor Cycles	0	16	16	1.6	11	110	121	8.9
Cars	23	780	803	81.3	37	916	953	70.2
PSVs	0	19	19	1.9	0	12	12	0.9
Goods Vehicles	8	98	106	10.7	3	105	108	8.0
Other or Unknown	0	13	13	1.3	0	14	14	1.0
TOTAL	32	956	988	100.0	53	1,304	1357	100.0

Table 39 Two-Vehicle Collisions Classified by Vehicle Type

	Fatal	Injury	Total	Fatalities	Injuries	Total
Pedal Cycle-Pedal Cycle	0	9	9	0	12	12
Pedal Cycle-Motor Cycle	0	2	2	0	3	3
Pedal Cycle-Car	6	635	641	6	641	647
Pedal Cycle-PSV	0	19	19	0	20	20
Pedal Cycle-Goods	1	86	87	1	90	91
Pedal Cycle-Other/Unknown	0	26	26	0	26	26
TOTAL	7	777	784	7	792	799

	Fatal	Injury	Total	Fatalities	Injuries	Total
Motor Cycle-Pedal Cycle	0	2	2	0	3	3
Motor Cycle-Motor Cycle	1	7	8	1	10	11
Motor Cycle-Car	5	201	206	5	225	230
Motor Cycle-PSV	0	0	0	0	0	0
Motor Cycle-Goods	2	21	23	2	26	28
Motor Cycle-Other/Unknown	1	2	3	1	3	4
TOTAL	9	233	242	9	267	276

	Fatal	Injury	Total	Fatalities	Injuries	Total
Car-Pedal Cycle	6	635	641	6	641	647
Car-Motor Cycle	5	201	206	5	225	230
Car-Car	29	1440	1,469	34	2402	2,436
Car-PSV	0	40	40	0	79	79
Car-Goods	25	388	413	27	578	605
Car-Other/Unknown	4	91	95	4	130	134
TOTAL	69	2,795	2,864	76	4,055	4,131

Table 39 Two-Vehicle Collisions Classified by Vehicle Type

	Fatal	Injury	Total	Fatalities	Injuries	Total
PSV-Pedal Cycle	0	19	19	0	20	20
PSV-Motor Cycle	0	0	0	0	0	0
PSV-Car	0	40	40	0	79	79
PSV-PSV	0	1	1	0	4	4
PSV-Goods	0	9	9	0	11	11
PSV-Other/Unknown	0	3	3	0	10	10
TOTAL	0	72	72	0	124	124

	Fatal	Injury	Total	Fatalities	Injuries	Total
Goods-Pedal Cycle	1	86	87	1	90	91
Goods-Motor Cycle	2	21	23	2	26	28
Goods-Car	25	388	413	27	578	605
Goods-PSV	0	9	9	1	11	12
Goods-Goods	1	43	44	1	59	60
Goods-Other/Unknown	1	22	23	0	29	29
TOTAL	30	569	599	32	793	825

	Fatal	Injury	Total	Fatalities	Injuries	Total
Other-Pedal Cycle	0	26	26	0	26	26
Other-Motor Cycle	1	2	3	1	3	4
Other-Car	4	91	95	4	130	134
Other-PSV	0	3	3	0	10	10
Other-Goods	1	22	23	1	29	30
Other-Other/Unknown	1	11	12	1	17	18
TOTAL	7	155	162	7	215	222

Section 5: Location

Table 40 Traffic Collisions and Casualties in each County

County and Province	Pop. (000's) 2016	Reg. Motor Vehicle (000's) 2016	Collisions				Casualties			
			Fatal	Injury	Total	%	Killed	Injured	Total	%
Leinster										
Carlow	57	37	0	52	52	0.9	0	86	86	1.1
Dublin	1,347	641	21	1854	1,875	31.9	21	2245	2,266	28.5
Kildare	223	122	7	262	269	4.6	7	387	394	5.0
Kilkenny	99	58	6	118	124	2.1	6	169	175	2.2
Laois	85	44	3	86	89	1.5	3	106	109	1.4
Longford	41	23	3	67	70	1.2	3	114	117	1.5
Louth	129	62	7	159	166	2.8	7	231	238	3.0
Meath	195	105	12	200	212	3.6	12	283	295	3.7
Offaly	78	45	4	79	83	1.4	4	116	120	1.5
Westmeath	89	53	3	111	114	1.9	4	167	171	2.1
Wexford	150	96	4	149	153	2.6	4	217	221	2.8
Wicklow	142	82	2	144	146	2.5	2	179	181	2.3
Munster										
Clare	119	73	4	110	114	1.9	4	161	165	2.1
Cork	543	321	20	521	541	9.2	21	693	714	9.0
Kerry	148	93	7	194	201	3.4	7	272	279	3.5
Limerick	195	111	13	261	274	4.7	14	350	364	4.6
Tipperary	160	102	13	160	173	2.9	13	234	247	3.1
Waterford	116	69	6	129	135	2.3	8	194	202	2.5
Connacht										
Galway	258	146	9	280	289	4.9	10	424	434	5.5
Leitrim	32	20	1	63	64	1.1	1	88	89	1.1
Mayo	131	81	4	134	138	2.3	4	209	213	2.7
Roscommon	65	43	7	92	99	1.7	7	142	149	1.9
Sligo	66	38	2	74	76	1.3	2	99	101	1.3
Ulster (Part of)										
Cavan	76	43	3	111	114	1.9	3	179	182	2.3
Donegal	159	87	6	214	220	3.7	10	314	324	4.1
Monaghan	61	36	4	82	86	1.5	5	114	119	1.5
TOTAL	4,763	2,629	171	5,706	5,877	100	182	7,773	7,955	100

Table 41 Fatal and Injury Collisions and Casualties Classified by Garda Division

Garda Division	Collisions				Casualties			
	Fatal	Injury	Total	%	Killed	Injured	Total	%
Carlow/Kilkenny	6	169	175	3.0	6	251	257	3.2
Cavan/Monaghan	7	195	202	3.4	8	295	303	3.8
Clare	4	101	105	1.8	4	143	147	1.8
Cork City	5	233	238	4.0	5	284	289	3.6
Cork North	7	128	135	2.3	8	189	197	2.5
Cork West	8	163	171	2.9	8	226	234	2.9
DMR East	3	168	171	2.9	3	201	204	2.6
DMR North	4	329	333	5.7	4	418	422	5.3
DMR North Central	1	261	262	4.5	1	297	298	3.7
DMR South	2	325	327	5.6	2	383	385	4.8
DMR South Central	2	369	371	6.3	2	417	419	5.3
DMR West	9	403	412	7.0	9	531	540	6.8
Donegal	6	214	220	3.7	10	314	324	4.1
Galway	9	281	290	4.9	10	422	432	5.4
Kerry	7	193	200	3.4	7	271	278	3.5
Kildare	7	261	268	4.6	7	386	393	4.9
Laois/Offaly	7	162	169	2.9	7	218	225	2.8
Limerick	13	268	281	4.8	14	363	377	4.7
Louth	7	158	165	2.8	7	230	237	3.0
Mayo	4	135	139	2.4	4	213	217	2.7
Meath	12	200	212	3.6	12	283	295	3.7
Roscommon/Longford	10	153	163	2.8	10	249	259	3.3
Sligo/Leitrim	3	139	142	2.4	3	190	193	2.4
Tipperary	13	162	175	3.0	13	237	250	3.1
Waterford	6	132	138	2.3	8	200	208	2.6
Westmeath	3	111	114	1.9	4	166	170	2.1
Wexford	4	149	153	2.6	4	217	221	2.8
Wicklow	2	144	146	2.5	2	179	181	2.3
TOTAL	171	5,706	5,877	100	182	7,773	7,955	100

Table 42 Fatal and Injury Collisions at or near Pedestrians Crossings

	Fatal	Injury	Total
Total at or near Pedestrian Crossing	3	135	138

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

Inside Built-up Area			Outside Built-up Areas		
Fatal	Injury	Total	Fatal	Injury	Total
0	63	63	3	37	40

Note: Collision omitted when speed limit is unknown

Table 44 Fatal and Injury Collisions Classified by Junction Type

Road Layout	Inside Built-up Areas				Outside Built-up Areas			
	Fatal	Injury	Total	%	Fatal	Injury	Total	%
T-Junction	7	780	787	48.7	6	223	229	45.5
Crossroads	3	448	451	27.9	9	142	151	30.0
Y-Junction	1	70	71	4.4	0	41	41	8.2
Roundabout	3	229	232	14.4	0	30	30	6.0
Complex Junction	1	46	47	2.9	2	31	33	6.6
Other	0	27	27	1.7	0	19	19	3.8
TOTAL	15	1,600	1,615	100	17	486	503	100.0

Note: Collisions omitted when speed limit is unknown

Table 45 Fatal and Injury Collisions at Intersections Classified by Control Type

Junction Control	Fatal	Injury	Total	%
Traffic Light	5	594	599	28.3
Stop Sign	20	613	633	29.9
Yield Sign	4	365	369	17.4
Road Markings Only	0	136	136	6.4
Roundabout	0	0	0	0.0
Pedestrian Crossing	0	24	24	1.1
Within 50ft of Pedestrian X	0	2	2	0.1
No Control	3	351	354	16.7
Other / Not Stated	0	1	1	0.0
TOTAL	32	2,086	2,118	100.0

Table 46 Fatal and Injury Collisions Classified by Road Type

Road Type	Fatal	Injury	Total	%
Two-Way Single Carriageway	149	4,910	5,059	86.1
One-Way Single Carriageway	1	301	302	5.1
Dual Carriageway	12	176	188	3.2
Motorway	6	170	176	3.0
Other/Unknown	3	149	152	2.6
TOTAL	171	5,706	5,877	100

Table 47 Traffic Collisions and Casualties in the Main Centres of Population

	Road Length(km)	Fatal	Injury	Total	%	Killed	Injured	Total	%
Dublin Co. Borough	1055	10	1,027	1,037	49.1	10	1,182	1,192	46.6
Dun Laoghaire-Rathdown	309	3	187	190	9.0	3	224	227	8.9
Fingal County	177	4	294	298	14.1	4	385	389	15.2
South Dublin County	153	4	346	350	16.6	4	454	458	17.9
Cork Co. Borough	104	1	148	149	7.1	1	172	173	6.8
Galway Co. Borough		1	86	87	4.1	1	116	117	4.6
TOTAL		23	2,088	2,111	100.0	23	2,533	2,556	100

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

Road User	Dublin Co. Borough		Dun Laoghaire - Rathdown		Fingal		South Dublin	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Pedestrians	6	262	1	36	2	45	1	63
Pedal Cycle Users	2	405	0	66	0	51	0	69
Motor Cycle Users	2	90	1	18	1	20	1	24
Car Users	0	363	1	98	1	243	1	272
PSV Users	0	3	0	0	0	2	0	5
Goods Vehicle Users	0	19	0	5	0	8	0	0
Other or Unknown	0	40	0	1	0	16	1	21
TOTAL	10	1,182	3	224	4	385	4	454

Road User	Cork		Galway	
	Killed	Injured	Killed	Injured
Pedestrians	0	58	0	27
Pedal Cycle Users	0	20	0	17
Motor Cycle Users	0	14	0	4
Car Users	1	73	1	63
PSV Users	0	0	0	1
Goods Vehicle Users	0	0	0	1
Other or Unknown	0	7	0	3
TOTAL	1	172	1	116

Table 49 Vehicles Involved in Fatal and Injury Collisions in the Main Centres of Population

Vehicle Type	Dublin Co. Borough		Dun Laoghaire Rathdown		Fingal		South Dublin	
	Fatal	Injury	Fatal	Injury	Fatal	Injury	Fatal	Injury
Pedal Cycle	2	425	0	65	0	51	0	69
Motor Cycle	2	95	1	17	2	20	1	26
Car	5	1059	3	226	3	409	2	463
PSV	0	40	0	1	0	8	0	2
Goods	3	104	1	20	0	35	0	63
Other or Unknown	0	29	0	2	0	7	2	12
TOTAL	12	1,752	5	331	5	530	5	635

Vehicle Type	Cork		Galway	
	Fatal	Injury	Fatal	Injury
Pedal Cycle	0	21	0	19
Motor Cycle	0	16	0	5
Car	2	175	2	104
PSV	0	4	0	4
Goods Vehicle	0	12	0	14
Other or Unknown	0	6	0	0
TOTAL	2	234	2	146

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

Table 50 Fatal and Injury Collisions in Towns

TO BE UPDATED – PLEASE SEE METHODOGOGICAL NOTE

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

National Route	Inside Built-up Areas				Outside Built-up Areas				Overall Total	Collision Rate per km*
	F	SI	MI	Total	F	SI	MI	Total		
N1	0	3	34	37	0	3	17	20	57	0.63
N2	0	1	4	5	5	0	21	26	31	0.23
N3	0	0	7	7	2	6	17	25	32	0.25
N4	0	2	21	23	6	2	55	63	86	0.43
N5	0	3	8	11	3	2	14	19	30	0.23
N6	0	1	8	9	0	1	14	15	24	0.16
N7	1	0	3	4	1	3	26	30	34	0.18
N8	1	2	5	8	2	1	12	15	23	0.15
N9	0	0	0	0	1	2	9	12	12	0.10
N10	0	0	1	1	0	1	4	5	6	0.35
N11	0	1	21	22	3	11	15	29	51	0.39
N12	0	0	0	0	0	0	3	3	3	0.44
N13	0	0	0	0	1	2	13	16	16	0.37
N14	1	0	2	3	1	1	7	9	12	0.69
N15	0	1	6	7	0	3	14	17	24	0.22
N16	0	0	2	2	1	0	11	12	14	0.29
N17	0	0	6	6	0	2	14	16	22	0.18
N18	1	0	4	5	1	3	17	21	26	0.26
N19	0	0	2	2	0	0	0	0	2	0.58
N20	0	2	11	13	6	4	14	24	37	0.39
N21	0	2	10	12	1	6	18	25	37	0.44
N22	0	4	19	23	2	5	21	28	51	0.44
N23	0	0	1	1	0	0	2	2	3	0.32
N24	1	4	11	16	4	4	8	15	31	0.27
N25	0	0	12	12	2	8	33	43	55	0.29
N26	0	0	2	2	1	1	1	3	5	0.17
N27	0	0	1	1	0	0	1	1	2	0.32
N28	0	0	1	1	0	2	3	5	6	0.51
N29	0	0	0	0	0	0	0	0	0	0.00
N30	0	1	3	4	0	0	2	2	6	0.18
N31	0	2	5	7	0	0	0	0	7	0.98
N33	0	0	0	0	0	0	1	1	1	0.13
N40	0	0	4	4	0	0	2	2	6	0.39
M50	0	1	8	9	0	4	51	55	64	1.40
TOTAL	5	30	222	267	42	77	440	559	816	0.31

**Table 51 Fatal and Injury Collisions on National Routes Classified by Route and by Location Type
(continued)**

National Route	Inside Built-up Areas				Outside Built-up Areas				Overall Total	Collision Rate per km*
	F	SI	MI	Total	F	SI	MI	Total		
N51	2	0	2	4	2	2	8	12	16	0.30
N52	0	1	11	12	4	4	18	26	38	0.21
N53	0	0	2	2	1	0	4	5	7	0.39
N54	0	1	3	4	1	1	12	14	18	0.52
N55	0	1	6	7	0	5	16	21	28	0.36
N56	0	0	7	7	0	0	14	14	21	0.13
N58	0	0	0	0	0	1	2	3	3	0.27
N59	1	1	10	12	0	7	21	28	40	0.13
N60	0	1	3	4	2	1	4	7	11	0.12
N61	0	0	6	6	1	3	9	13	19	0.26
N62	0	1	7	8	2	3	8	13	21	0.22
N63	0	1	9	10	0	0	9	9	19	0.20
N65	0	0	2	2	2	2	3	7	9	0.17
N66	0	0	0	0	0	0	1	1	1	0.04
N67	0	1	4	5	0	1	14	15	20	0.16
N68	0	0	0	0	0	2	3	5	5	0.12
N69	1	3	5	9	0	1	12	13	22	0.23
N70	0	0	3	3	1	3	8	12	15	0.11
N71	1	4	12	17	3	7	16	26	43	0.23
N72	0	1	7	8	4	4	14	22	30	0.18
N73	0	0	1	1	0	0	2	2	3	0.09
N74	0	0	2	2	0	0	1	1	3	0.15
N75	0	1	4	5	0	0	1	1	6	0.79
N76	0	0	0	0	0	4	5	9	9	0.21
N77	0	1	1	2	1	0	2	3	5	0.10
N78	0	1	5	6	0	0	3	3	9	0.18
N80	0	1	14	15	1	3	8	12	27	0.24
N81	1	2	16	19	0	4	15	19	38	0.49
N82	0	0	1	1	0	0	0	0	1	0.39
N83	0	0	2	2	0	2	8	10	12	0.27
N84	0	0	5	5	0	6	11	17	22	0.30
N85	0	0	1	1	0	0	4	4	5	0.16
N86	0	0	1	1	0	0	3	3	4	0.08
N87	0	0	0	0	0	1	4	5	5	0.18
TOTAL	6	22	152	180	25	67	263	355	535	0.20
OVERALL TOTAL	11	52	374	437	67	144	703	914	1,351	0.25

*Based on 2013 road lengths including motorway sections. Note: Collisions omitted when speed limit is unknown

Table 52 Material Damage Collisions Classified by Month and by County

2016													
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
Carlow	28	28	25	23	35	34	22	30	47	42	34	39	387
Cavan	48	46	48	42	43	47	65	43	48	49	66	64	609
Clare	71	75	69	85	104	81	89	77	82	77	78	79	967
Cork	435	439	419	437	386	417	398	387	436	405	466	447	5072
Donegal	77	87	93	77	90	90	103	107	98	82	87	93	1084
Dublin	820	844	767	907	851	837	786	808	926	959	977	958	10440
Galway	154	169	146	163	146	160	193	185	176	170	154	180	1996
Kerry	76	88	99	91	104	121	138	129	108	95	118	100	1267
Kildare	108	125	107	113	116	112	97	110	121	116	139	136	1400
Kilkenny	62	53	53	52	56	54	37	61	52	57	65	73	675
Laois	55	39	44	37	50	48	43	38	57	33	68	41	553
Leitrim	10	17	22	14	17	16	18	13	16	19	18	12	192
Limerick	157	174	155	176	160	133	145	136	156	149	221	212	1974
Longford	19	24	34	30	22	26	45	25	30	22	30	41	348
Louth	86	93	89	89	67	77	67	78	95	92	103	91	1027
Mayo	79	77	75	63	88	84	104	87	70	88	85	91	991
Meath	93	108	75	84	94	83	90	84	99	93	109	118	1130
Monaghan	37	49	39	26	33	36	42	36	44	49	47	50	488
Offaly	32	36	34	30	39	56	35	48	46	38	44	38	476
Roscommon	40	51	40	36	40	35	45	40	52	42	47	57	525
Sligo	39	56	45	43	52	47	42	41	39	44	44	30	522
Tipperary	100	111	94	91	93	100	87	95	83	91	105	106	1156
Waterford	83	101	87	67	73	61	70	83	50	88	92	77	932
Westmeath	50	67	67	62	56	49	46	45	46	51	67	67	673
Wexford	89	79	71	71	83	72	87	103	79	77	86	105	1002
Wicklow	75	76	86	80	59	57	66	85	68	75	82	49	858
Total	2,923	3,112	2,883	2,989	2,957	2,933	2,960	2,974	3,124	3,103	3,432	3,354	36,744

Table 53: International Comparisons

	Number of Road Deaths¹ 2016	Road Deaths per 100,000 inhabitants 2016
E.U. Countries		
Austria	432	4.6
Belgium	640	5.7
Czech Republic	611	5.8
Denmark	211	3.7
Finland	250	4.6
France	3,469	5.3
Germany	3,214	3.9
Great Britain	1,792	2.8
Greece	807	7.5
Hungary	597	6.1
Iceland	18	5.4
Ireland	182	3.8
Italy	3,270	5.4
Luxemburg	32	5.6
Netherlands	629	3.7
Northern Ireland	68	3.7
Poland	3,026	7.9
Portugal	565	5.7
Slovakia	242	4.5
Slovenia	130	6.3
Spain	1,797	3.9
Sweden	270	2.7
United Kingdom	1,860	2.8
Other Countries		
Australia	1,294	5.4
Canada	1,895	5.2
Israel	335	3.9
Japan	4,698	3.7
New Zealand	327	7.0
Norway	135	2.6
Switzerland	216	2.6
U.S.A.	37,806	11.6

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

(Sources: International Road Traffic and Accident Database (OECD) ETSC, EUROSTAT, CARE (EU road accidents database))

Appendix: Notes and Definitions

All Road Collisions

'All reported Road collisions' means all collisions investigated by or brought to the notice of An Garda Síochána where the exact location of the collision can be determined.

Collisions and Casualties

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

Fatal Collision:

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

Serious Injury Collision:

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 Collision:

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 Collision:

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 learner permit.

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. Motorcycle

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

3. Car

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

4. Public Service Vehicle (PSV)

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 Vehicle

Other motor vehicles are miscellaneous types of motor vehicle not falling into any of the main categories (e.g. Agricultural Tractors).

Rural Area

A rural area is defined as an area where the speed limit zone was greater than 60km/h in 2016.

Urban Areas

An urban area is defined as an area where the speed limit zone was less than or equal to 60km/h in 2016.

Built-up Area

A built up area means an area which was within a 50 to 60km/h. speed limit zone in 2016.

Dark

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

Appendix: Methodological Note

Introduction

The Road Safety Authority (RSA) has a statutory remit to collect, compile, prepare, publish or distribute information and statistics relating to road safety and the functions of the Authority for national or international planning, policy research and development, monitoring and reporting purposes.

As part of this remit, the RSA provide analysis of road traffic injury incidents on an annual basis. A road collision is a collision investigated by or brought to the notice of An Garda Síochána (AGS) where the location of the collision can be determined and where it has occurred on a public road. These incidents have been reported to AGS and forwarded to the RSA. Injury collisions on private property, such as private lanes and car parks are excluded.

New Method of Receiving Collision Records

The RSA and, before that, the National Roads Authority (now Transport Infrastructure Ireland) received collision data using a paper form, called a C(T)68, from AGS. This form was sent by post to the RSA and provided details on the initial report of the collision.

Since 2014, the system by which information was provided to the RSA, was updated. The RSA now receives an electronic copy of individual traffic collision incidents on a daily basis. The paper form was previously considered the record of note for the collision whereas the electronic record is now considered the record of note for the collision.

The dataset of road collision incidents will be updated in time to reflect new variables and the way in which collision reporting is conducted by the RSA will also reflect these improvements.

In the meantime, and to allow for comparison of data over the long term, these set of tables have been produced in a format as close as possible to the historic tables. When comparing the variables available in the C(T)68 with those available electronically from AGS, it is the case that not all the new variables map exactly onto the old set of variables. Where it is possible to accommodate the updated variables in the old format this has been done. It does mean, however, that in some cases, such as contributory factor, not all the information is replicable in the new format. As a result, these tables have been omitted from this report.

The change to an electronic transfer of data has resulted in improvements in several areas of data capture which will have a positive impact on collision reporting. The improvements are that the RSA has

- The complete set of traffic injury and material damage records recorded on PULSE which can now be used for analysis
- Access to more fields in the electronic traffic incident record
- Access to more up to date information about the collision
- Two-way communication with the Garda Information Services Centre (GISC)

Enhanced Validation Process

Records received are divided into those classed as material damage and those classed as injury collisions. Once received, injury collision records are thoroughly reviewed by the Research Department of the RSA. This review utilises the information in the detailed narrative and data fields and interim updates. It looks for data anomalies and any possible data input errors.

As part of this process there is two-way communication with GISC. Feedback can then be received from GISC via an update to the incident record.

There will still be limitations to the information that can be ascertained from the electronic collision records as the level of detail contained in the collision investigation file, where one exists, is not recorded on the electronic collision record.

Injury Collisions

The definitions of fatal, serious and minor injuries outlined at the end of this document have not changed from previous years. Increases seen in injury numbers since the change in 2014 are likely to be due to the enhancements in the validation process outlined. It will take around five years before any appreciable trends in the data can be confirmed. As a result, the year 2014 should be considered as a break in the time series for the data on the number of injuries and injury collisions. This does not affect time series data for the number of fatalities or fatal collisions.

Material Damage

The RSA provide an overview of the number of material damage incidents on an annual basis but a detailed review of these is not conducted as it is for injury collisions. As a result of the changes outlined above there has been an increase in the number of records for material damage collisions available to the RSA. From 2014, changes implemented will lead to an increase in the number of material damage collisions reported overall. Again, as a result, this should be considered as a break in the time series for the data on the number of material damage collisions.

The following needs to be considered when reporting or using these material damage figures in any analysis.

- The definition of a traffic injury or material damage collision as reported by the RSA is one that happens on a public road. This definition has not changed.
- Reporting requirements for material damage collisions are not as stringent as those for injury collisions. This means all the details of the collision may not be reported and captured by AGS and it may not be possible to establish an exact location for the collision.
- As an example, in 2014 there were 33,261 material damage collisions reported of which 21% were not investigated at the scene, i.e. reporting of these incidents was done either in person or by phone to the station.
- The location of these collisions is determined as being the place identified in the report to the station. However, as an example, if no further investigation was required there may be no other information available to assess the location.
- Therefore, it is accepted that the number of material damage collisions reported from now on will overstate the number that have happened on a public road. That is some will have occurred in places other than on a public road, e.g. public car park.

Previously, figures for material damage collisions have been reported based on the county and month in which they occurred, and this will continue but the above notes must be taken into account.

Working To Save Lives

Údarás Um Shábháilteacht Ar Bhóithre
Road Safety Authority

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