



European Road Safety Observatory

Annual statistical report on road safety in the EU
2020

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1	Introduction	1
1.1	The CARE Database	1
1.2	Notes	1
2	Overview	3
2.1	EU trends in the number of crashes, injuries and fatalities.....	3
2.2	Trends in individual countries.....	4
2.2.1	Mortality	4
2.2.2	Trend in the number of crashes leading to injury or death.	5
2.2.3	Trend in the number of fatalities.....	6
3	Fatalities: details	12
3.1	Fatalities by mode of transport	12
3.1.1	Pedestrians.....	12
3.1.2	Bicycles	13
3.1.3	Mopeds.....	14
3.1.4	Motorcycles	15
3.1.5	Cars	16
3.1.6	Heavy goods vehicles	17
3.1.7	Lorries (<3,5t).....	18
3.1.8	Buses and coaches	19
3.2	Change in fatalities by age group.....	20
3.3	Mode of transport by age group	21
3.3.1	Pedestrians.....	21
3.3.2	Bicycles	22
3.3.3	Mopeds.....	23
3.3.4	Motorcycles	24
3.3.5	Cars	25
3.4	Fatalities by gender	26
3.4.1	Male fatalities.....	26
3.4.2	Female fatalities	27
3.5	Fatalities in crashes by gender and by road user type for cars	28
3.5.1	Female car drivers.....	28
3.5.2	Male car drivers.....	29

3.5.3	Female car passengers	30
3.5.4	Male car passengers.....	31
3.5.5	Female fatalities by age group	32
3.5.6	Male fatalities by age group.....	33
3.6	Mode of transport by crash area.....	34
3.7	Fatalities by transport mode and crash area.....	35
4	Crash characteristics	39
4.1	Time of crash	39
4.1.1	Time of crash: monthly pattern	39
4.1.2	Time of crash: weekly pattern.....	40
4.1.3	Time of crash: diurnal pattern.....	41
4.1.4	Diurnal crash pattern by transport mode.....	43
4.2	Crashes by junction type	44
4.3	Crash conditions	45
4.3.1	Weather conditions	45
4.3.2	Light conditions	46
5	List of figures	47
6	List of tables	48
7	Definitions	50

1 Introduction

In 2019, road crashes in the Member States of the European Union claimed about 22700 lives and left more than 1.2 million people injured. This report presents a wide range of statistical tables containing road safety data from the CARE database for the 27 EU Member States and the four EFTA countries.

The report is divided into four sections. Section 1 contains this introduction and some general notes. Section 2 presents the main road safety trends in the number of crashes leading to death or injury and the absolute and relative development of the number of road fatalities. In this section, changes in the number of seriously injured are also included but should be treated with caution as definitions vary significantly between countries. Section 3 contains detailed data on fatalities by age groups, gender and mode of transport where available. Section 4 provides an insight into time patterns and, light and weather conditions of fatal crashes.

1.1 The CARE Database

CARE is a Community database on road accidents (commonly referred to as “crashes”) resulting in death or injury (there are no statistics on damage-only accidents). The legal basis for CARE is the Council Decision on the creation of a Community database on road accidents (93/704/EC , OJ No L329 of 30.12.1993, pp. 63-65). The Decision obliges Member States to provide annual data on road accidents but does not specify the content. The variables to be collected and disseminated were subsequently discussed and agreed upon by Member States and the Commission. In this regard, a CARE expert group composed of national representatives meets 1-2 times per year to discuss issues related to the database, the variables as well as the collection, processing and dissemination of data. The major difference between CARE and most other existing international databases is the high level of disaggregation, i.e. CARE comprises detailed data on accidents, individuals and vehicles involved in the accident itself, as collected by the Member States. This structure allows for maximum flexibility and potential with regard to analysing the information contained in the system and opens up a whole set of new possibilities in the field of accident analysis. The main purpose is to provide evidence to identify and quantify road safety problems throughout the EU roads, evaluate the efficiency of road safety measures, determine the relevance of EU actions and facilitate the exchange of experience in this field. Member States officials have access to the disaggregated CARE data through a dedicated reporting tool.

National data sets are integrated into the CARE database using their original national structure and definitions, with confidential data blanked out. However, transformation rules are implemented in the CARE database in order to increase data compatibility and thus enhance the functioning of the system.

1.2 Notes

The statistical tables and figures contained in this report provide an overview of road accident data from 2010 to 2019. For some figures, sources other than CARE have been used in order to give a more complete overview of EU road crash data.

In all tables and figures, the European Union refers to the present union of 27 countries. The data in this report result from a number of separate extractions of the CARE/Cadas-database. In case of missing years for some of the countries, the last reported year is shown in some of the tables.

Data in CARE/Cadas are not complete. Countries have their own registration systems that are not always compatible with the way data are recorded in the CARE/Cadas structure. Some countries have not provided data for certain years or are lagging behind. Reported data are sometimes incomplete, implying that some breakdowns of data are not possible or that certain categories are not visible in a breakdown. When, due to a lack of data, a breakdown table was impossible for a specific country, the country was removed from the table. A note below the table gives a list of the omitted countries. If categories are missing for a country, this is indicated in tables with a small dash, in contrast to zero cases which are shown as 0.

Missing data are a problem for the calculation of EU totals. In cases where variables were never reported for a country, the EU total is calculated without that country. In some cases, data are missing for only one or a few years. In these cases, the data are imputed to estimate the contribution of the country to the EU total. Imputed data for a single country are not shown in any of the tables or graphs. Imputation rules are as follows: - in case of data missing between available data for other years: linear interpolation. - in case of missing data in previous years of the time series: copy the value of the first available year in the time series. - in case of missing data for the last year(s) in a time series: copy the values for the last available year. The EU totals were subsequently calculated using the imputed values.

Production chain: Data extractions from the CARE/Cadas database and additional data provided by the European Commission are stored in a local SQL(Structured Query Language) database, keeping track of different versions of the data, converting variable names to concise versions. Data are combined and enriched with metadata in an ETL (Extraction, Transform, Load) scheme. Data are subsequently extracted from this local database using R (studio)¹. Data transformations and imputations are all executed in the R-environment. This report is generated in R Markdown and converted to PDF-format using Knitr². Programming code is maintained in a project-shared GIT-repository³.

¹<https://rstudio.com/products/rstudio/>

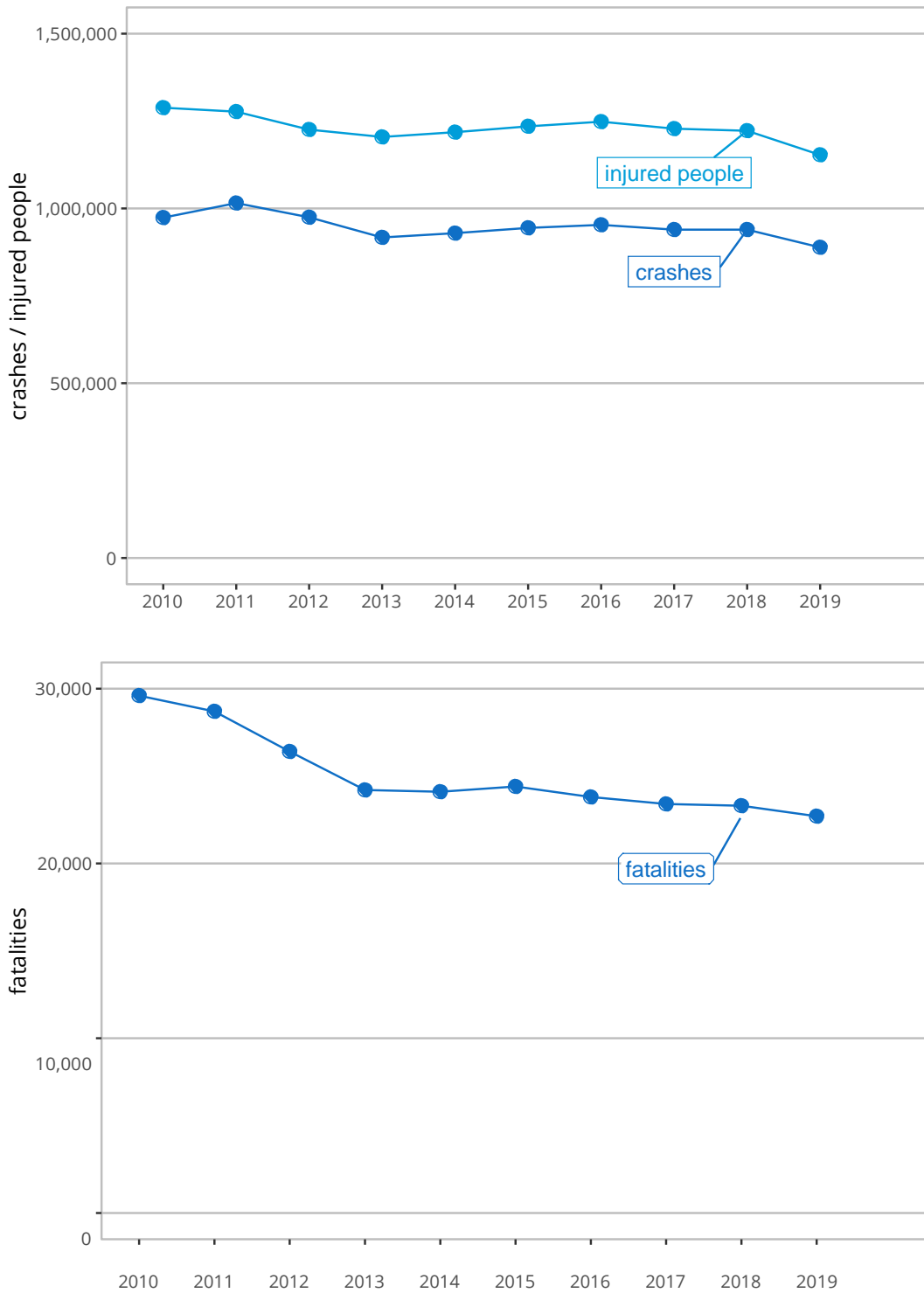
²A General-Purpose Package for Dynamic Report Generation in R
<https://www.rdocumentation.org/packages/knitr>

³<https://git-scm.com/about>

2 Overview

2.1 EU trends in the number of crashes, injuries and fatalities

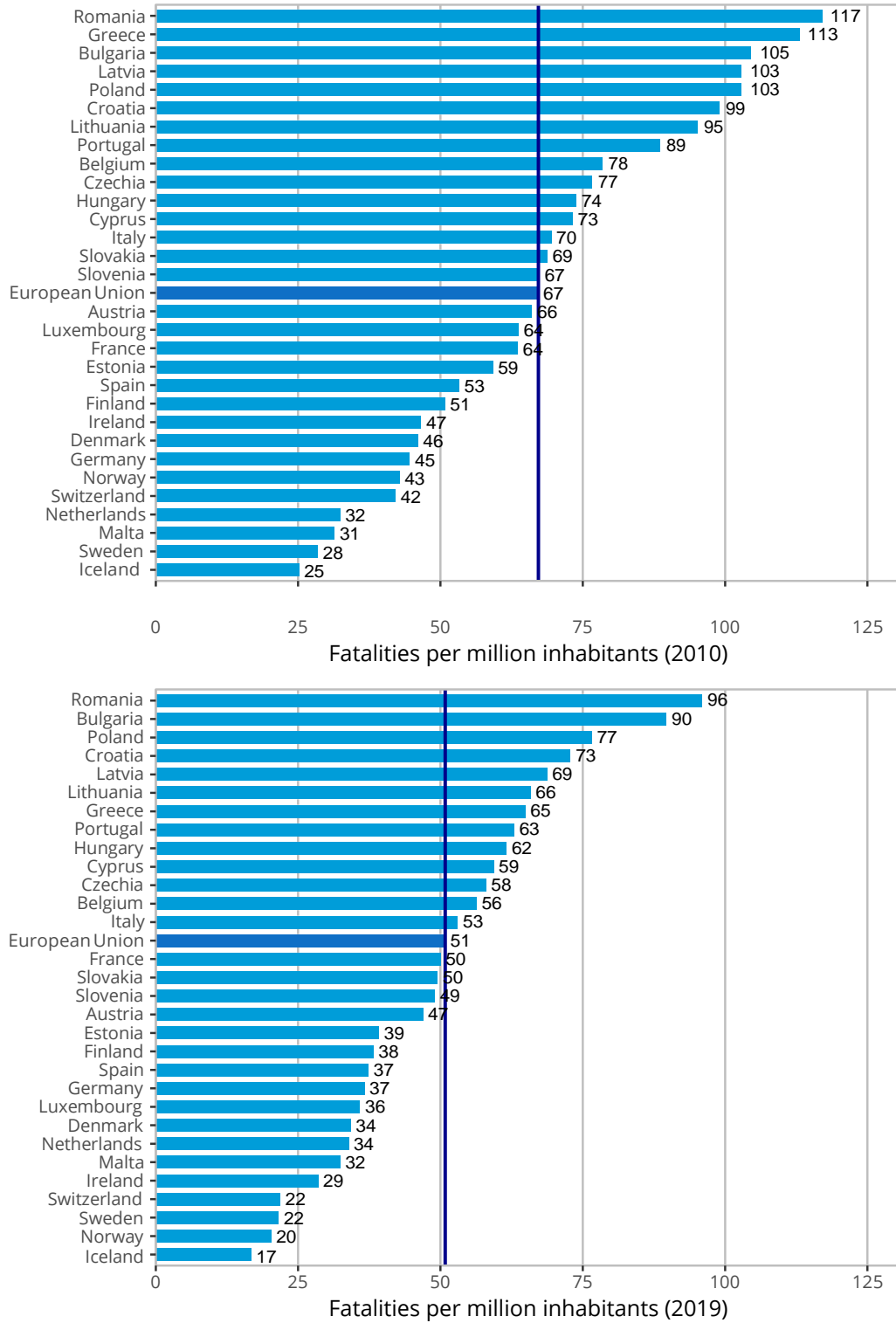
Figure 1. Road crashes, fatalities and injured people in the European Union.



2.2 Trends in individual countries

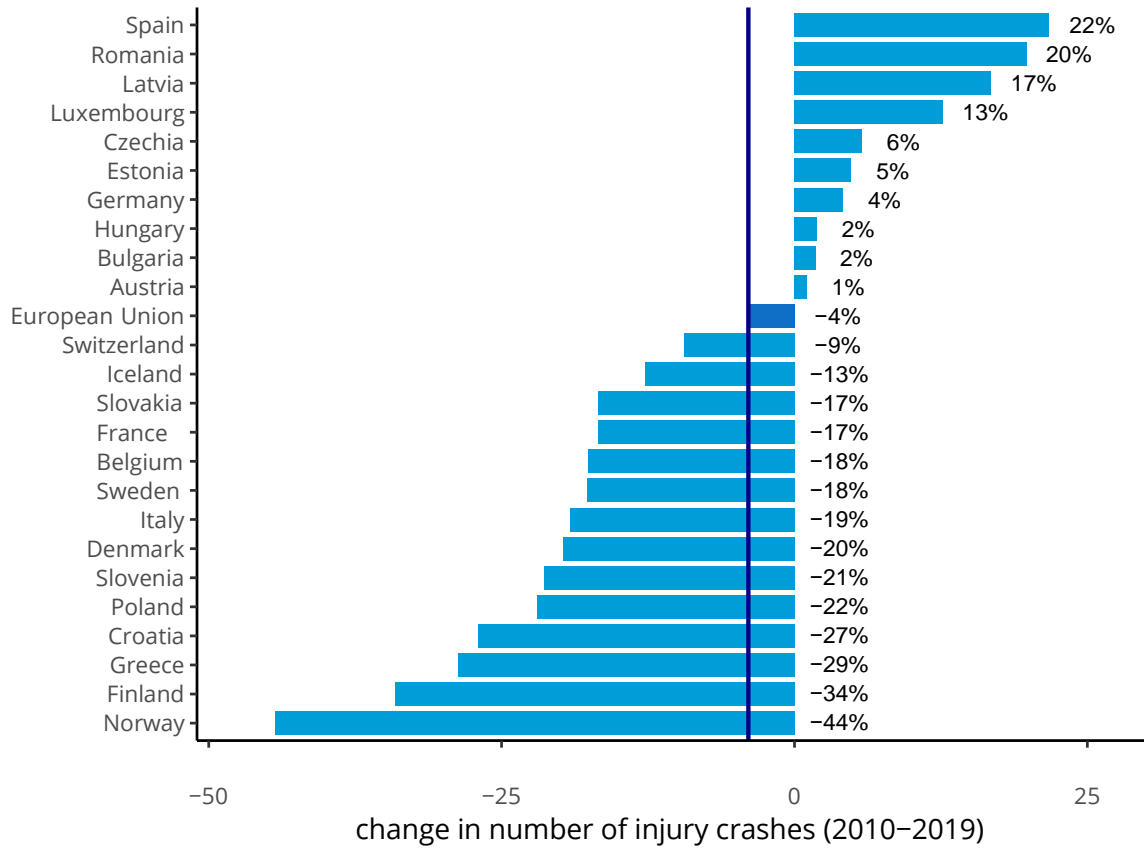
2.2.1 Mortality

Figure 2. Fatalities per million inhabitants in the EU, 2019 compared to 2010.



2.2.2 Trend in the number of crashes leading to injury or death.

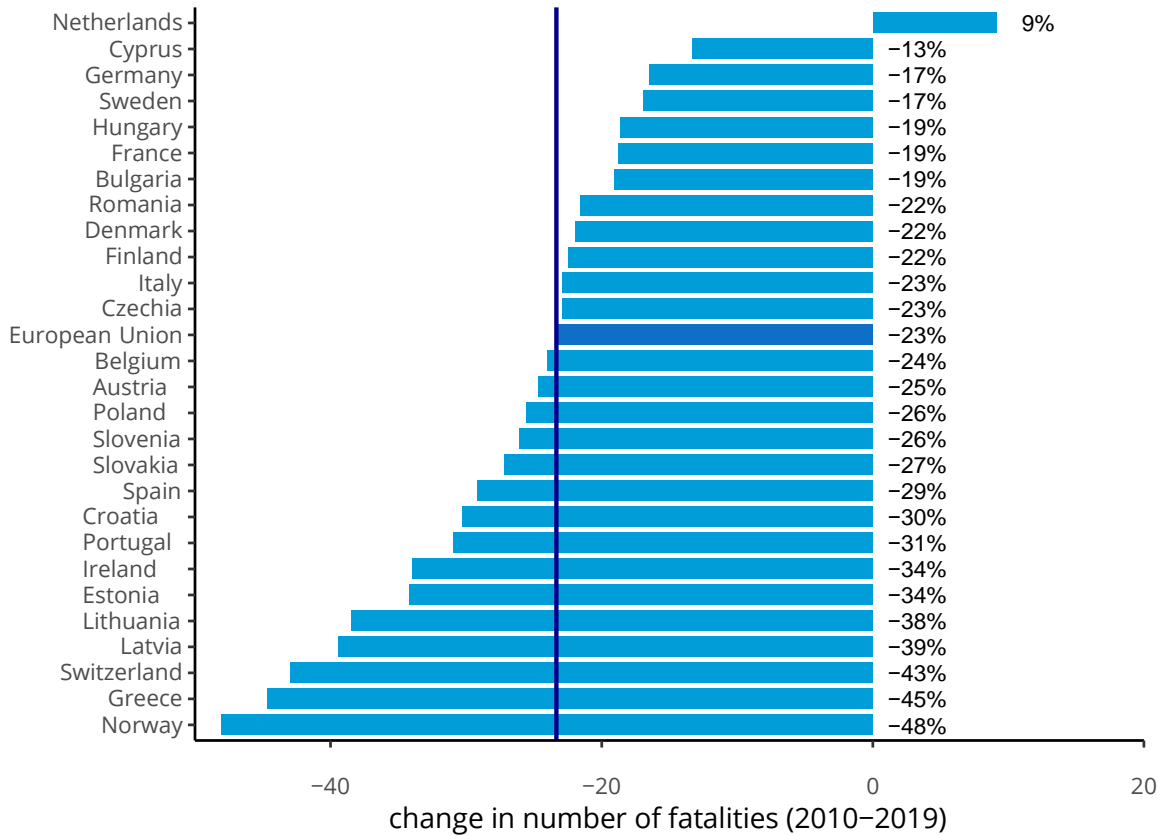
Figure 3. Long-term change in the number of crashes leading to injury or death in the 27 EU countries and 3 EFTA countries (2010-2019), reference year 2010



Ireland, Portugal, Cyprus, Lithuania, Malta missing crash data for one or both of these years. The changes in the number of crashes for Netherlands (77%) were omitted from the graph to ensure readability.

2.2.3 Trend in the number of fatalities

Figure 4. Long-term change in the number of road fatalities in the 27 EU countries and 3 EFTA countries (2010-2019), reference year 2010



Liechtenstein missing fatalities in the referenced years

The change in the number of fatalities for Iceland (-25%), Luxembourg (-31%), Malta (23%) were omitted because the numbers of fatalities are small and subject to annual fluctuations.

Table 1. Annual number of crashes resulting in injuries or death by country 2010-2019.

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	45 745	89 880	82 316	41 347	41 474	40 300	40 123	38 025	38 455	37 699
Bulgaria	6 610	6 638	6 716	7 016	7 019	7 226	7 404	6 888	6 684	6 730
Czechia	19 675	20 487	20 503	20 342	21 054	21 561	21 387	21 263	21 890	20 806
Denmark	3 498	3 525	3 124	2 984	2 881	2 853	2 882	2 789	2 964	2 808
Germany	288 297	306 266	299 637	291 105	302 435	305 659	308 145	302 656	308 721	300 143
Estonia	1 348	1 508	1 383	1 382	1 436	1 391	1 467	1 405	1 474	1 413
Ireland	5 779	5 230	5 610	4 976	5 796	5 831	5 877	-	-	-
Greece	15 032	13 849	12 398	12 109	11 690	11 440	11 318	10 848	10 737	10 712
Spain	85 503	83 027	83 115	89 519	91 570	97 756	102 362	102 233	102 299	104 080
France	67 288	65 024	60 437	56 812	58 191	56 600	57 515	58 609	55 762	56 006
Croatia	13 274	13 229	11 774	11 228	10 607	11 038	10 779	10 939	10 450	9 694
Italy	212 997	205 638	188 228	181 660	177 031	174 539	175 791	174 933	172 553	172 183
Cyprus	1 198	1 058	919	774	758	660	650	608	499	-
Latvia	3 193	3 386	3 358	3 489	3 728	3 692	3 792	3 875	3 975	3 729
Lithuania	3 530	3 266	3 392	3 391	3 256	3 031	-	-	-	-
Luxembourg	876	962	1 019	949	908	983	941	955	947	987
Hungary	16 308	15 827	15 174	15 691	15 847	16 331	16 627	16 489	16 951	16 627
Malta	577	1 140	1 270	1 208	1 449	1 377	1 437	1 497	1 346	-
Netherlands	10 778	5 134	4 966	9 522	13 358	18 523	18 749	18 706	19 270	19 046
Austria	35 348	35 129	40 831	38 502	37 957	37 960	38 466	37 402	36 846	35 736
Poland	38 832	40 069	37 046	35 847	34 970	32 967	33 664	32 760	31 674	30 288
Portugal	35 426	32 541	29 867	30 339	30 604	31 953	32 299	34 416	35 816	-
Romania	25 995	26 647	26 928	24 827	25 355	28 944	30 751	31 106	30 202	31 146
Slovenia	7 659	7 257	6 857	6 568	6 263	6 578	6 494	6 185	6 013	6 023
Slovakia	6 131	5 775	5 370	5 111	5 064	5 172	5 273	5 330	5 335	5 105
Finland	6 072	6 408	5 725	5 334	5 299	5 185	4 752	4 432	4 312	4 002
Sweden	16 627	16 274	16 636	14 942	13 091	14 703	14 086	14 951	14 233	13 684
European Union	973 596	1 015 174	974 599	916 974	929 091	944 253	956 062	948 208	948 316	935 216
Iceland	883	849	742	822	808	912	986	952	868	770
Liechtenstein	366	327	405	468	465	445	434	436	478	509
Norway	6 434	6 079	6 153	5 241	4 972	4 563	4 195	4 086	3 895	3 580
Switzerland	19 609	18 990	18 148	17 473	17 803	17 736	17 577	17 799	25 259	17 761

Limited data available for Ireland, Lithuania.

EU totals were derived by imputation.

Missing data for some countries and years are marked with a dash (-).

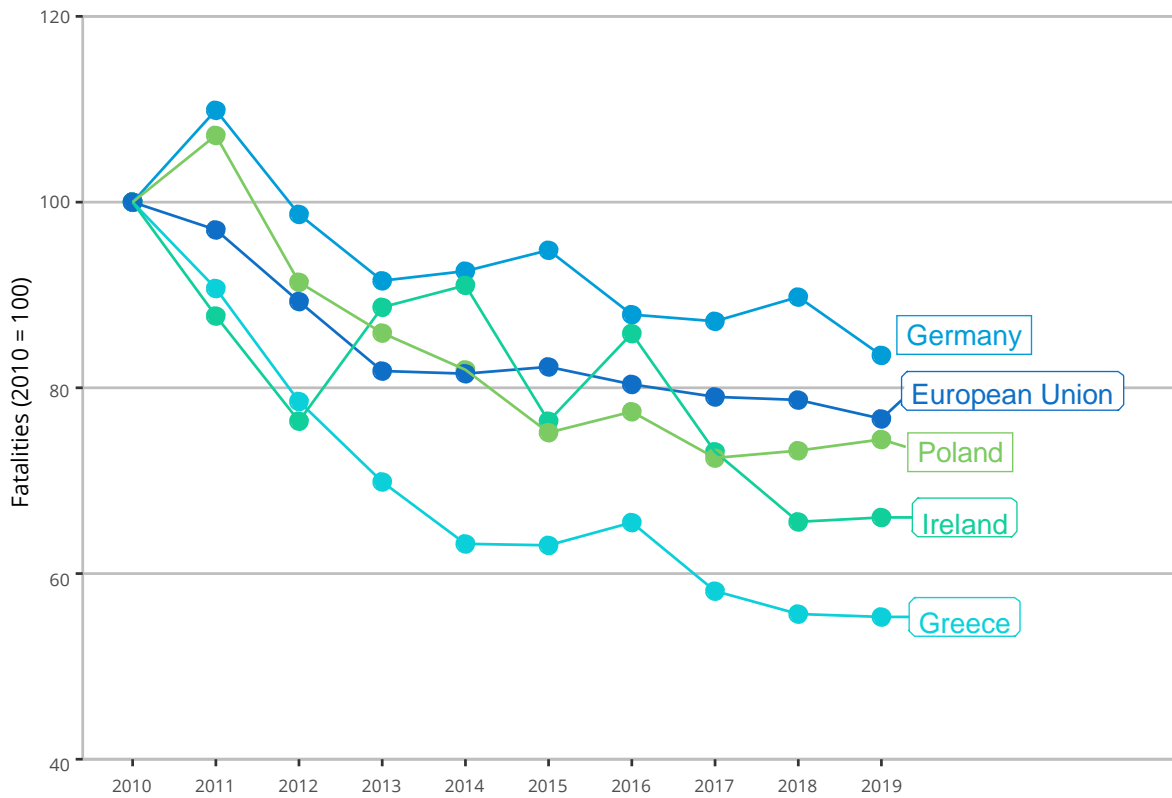
Table 2. Annual number of fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	850	862	770	764	745	762	670	609	604	646
Bulgaria	776	656	601	601	660	708	708	682	610	628
Czechia	802	772	742	655	688	734	611	577	656	618
Denmark	255	220	167	191	182	178	211	175	171	199
Germany	3 648	4 009	3 600	3 339	3 377	3 459	3 206	3 180	3 275	3 046
Estonia	79	101	87	81	78	67	71	48	67	52
Ireland	212	186	162	188	193	162	182	155	139	140
Greece	1 258	1 141	988	879	795	793	824	731	700	696
Spain	2 479	2 060	1 902	1 680	1 688	1 689	1 810	1 830	1 806	1 755
France	3 992	3 963	3 653	3 268	3 384	3 461	3 471	3 444	3 246	3 244
Croatia	426	418	390	368	308	348	307	331	317	297
Italy	4 114	3 860	3 753	3 401	3 381	3 428	3 283	3 378	3 334	3 173
Cyprus	60	71	51	44	45	57	46	53	49	52
Latvia	218	179	177	179	212	188	158	136	148	132
Lithuania	299	296	302	256	267	242	192	191	173	184
Luxembourg	32	33	34	45	35	36	32	25	36	22
Hungary	740	638	606	591	626	644	607	625	633	602
Malta	13	16	9	17	10	11	23	19	18	16
Netherlands	537	546	562	476	477	531	533	535	598	586
Austria	552	523	531	455	430	479	432	414	409	416
Poland	3 908	4 189	3 571	3 357	3 202	2 938	3 026	2 831	2 862	2 909
Portugal	937	891	718	637	638	593	563	602	700	647
Romania	2 377	2 018	2 042	1 861	1 818	1 893	1 915	1 951	1 867	1 864
Slovenia	138	141	130	125	108	120	130	104	91	102
Slovakia	371	325	352	251	295	310	275	276	260	270
Finland	272	292	255	258	229	270	258	238	239	211
Sweden	266	319	285	260	270	259	270	253	324	221
European Union	29 611	28 754	26 509	24 226	24 140	24 358	23 800	23 400	23 300	22 700
Iceland	8	12	9	15	4	16	18	16	18	6
Liechtenstein	0	2	1	2	3	2	0	0	0	0
Norway	208	168	148	187	147	123	135	106	108	108
Switzerland	328	320	339	269	243	253	216	230	233	187

Missing values were supplemented by the EC.

Ireland - provisional figures for 2018 and 2019
Netherlands - The number of fatalities registered by the police is under-reported and equates to around 85% of the total number of fatalities published nationally. In 2019, the overall total was 661.
Portugal - as of 2018, includes data for Azores and Madeira which account for around 4% of the total

Figure 5. Relative number of fatalities by selected countries⁴ 2010-2019



⁴data, pivot table and graphs for all countries can be found in the Excel workbook accompanying this report.

Table 3. Annual number of fatal accidents by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	796	1 619	1 487	711	701	716	627	583	568	609
Bulgaria	659	558	527	520	572	612	616	574	517	557
Czechia	742	713	687	606	623	668	560	544	597	564
Denmark	231	208	156	173	168	172	195	165	164	193
Germany	3 387	3 724	3 375	3 131	3 187	3 277	3 016	2 977	3 096	2 877
Estonia	70	93	82	74	72	61	63	44	64	51
Ireland	185	172	152	179	178	155	171	-	-	-
Greece	1 142	1 051	908	814	739	741	772	679	645	656
Spain	1 953	1 816	1 709	1 488	1 512	1 559	1 663	1 672	1 679	1 651
France	3 706	3 647	3 386	3 020	3 146	3 158	3 222	3 217	3 048	3 043
Croatia	402	385	355	328	284	317	279	307	297	279
Italy	3 871	3 616	3 515	3 161	3 175	3 236	3 105	3 178	3 086	2 982
Cyprus	56	67	51	41	44	56	45	49	44	-
Latvia	198	164	161	169	182	172	144	125	132	119
Lithuania	-	-	-	230	243	223	-	-	-	-
Luxembourg	29	30	34	41	31	33	29	24	31	22
Hungary	649	563	541	540	573	585	565	575	567	530
Malta	13	-	-	-	-	11	23	17	17	-
Netherlands	500	520	532	456	455	505	506	510	554	552
Austria	515	492	501	435	411	445	415	394	394	381
Poland	3 504	3 775	3 246	3 062	2 954	2 687	2 757	2 623	2 638	2 672
Portugal	857	826	667	585	603	554	529	578	652	-
Romania	2 103	1 818	1 833	1 657	1 621	1 685	1 713	1 742	1 698	1 701
Slovenia	127	129	122	116	97	112	125	101	87	91
Slovakia	345	-	-	-	-	-	259	245	241	239
Finland	241	273	235	244	208	246	239	219	216	195
Sweden	249	292	258	247	254	240	243	233	298	200
European Union	26 760	27 124	25 079	22 342	22 332	22 499	22 104	21 769	21 724	21 271
Iceland	7	12	9	14	3	16	18	13	15	6
Norway	190	158	139	170	135	102	128	102	100	100
Switzerland	313	312	301	257	229	238	208	219	357	179

No data available for Liechtenstein.

Limited data available for Lithuania, Malta, Slovakia.

EU totals were derived by imputation.

Missing data for some countries and years are marked with a dash (-).

Table 4. Annual number of seriously injured by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	5 606	5 780	4 765	4 581	4 484	4 181	4 095	3 762	3 636	3 600
Bulgaria	2 451	2 366	2 204	2 304	2 175	2 295	2 503	1 951	1 983	1 937
Czechia	2 788	3 045	2 934	2 721	2 714	2 487	2 530	2 287	2 395	2 061
Denmark	2 063	2 094	1 809	1 736	1 556	1 465	1 505	1 378	1 436	1 277
Germany	62 620	68 985	66 279	64 057	67 732	67 706	67 426	66 513	67 967	65 244
Ireland	561	472	474	508	755	826	956	-	-	-
Greece	1 709	1 626	1 399	1 212	1 016	999	879	706	727	652
Spain	11 994	11 347	10 445	10 086	9 574	9 495	9 755	9 546	8 935	8 613
France	30 393	29 679	27 142	25 966	26 635	26 593	27 174	27 732	21 238	19 608
Croatia	3 184	3 413	3 051	2 831	2 675	2 822	2 746	2 776	2 731	2 488
Cyprus	586	561	551	407	467	377	406	388	348	-
Latvia	569	531	493	452	434	479	525	496	542	461
Lithuania	-	-	-	579	536	426	-	-	-	-
Luxembourg	266	317	339	316	245	319	249	256	273	248
Hungary	5 671	5 154	4 921	5 369	5 331	5 575	5 541	5 630	5 559	5 485
Malta	204	237	299	265	292	306	293	312	317	-
Netherlands	4 119	1 825	2 330	2 442	2 131	13 327	13 502	13 075	13 470	12 425
Austria	10 777	10 958	8 017	7 344	7 434	7 486	7 566	7 664	7 631	7 384
Poland	11 491	12 585	12 049	11 672	11 696	11 200	12 078	11 103	10 941	10 633
Portugal	2 475	2 265	1 941	1 946	2 010	2 148	1 999	2 117	2 195	-
Romania	8 476	8 768	8 860	8 158	8 122	9 056	8 285	8 183	8 144	8 125
Slovenia	886	919	848	708	826	932	850	851	821	814
Slovakia	1 195	1 168	1 122	1 088	1 098	1 121	1 027	1 103	1 247	1 030
Finland	-	-	-	-	-	477	460	409	485	390
Sweden	2 887	3 127	2 976	2 716	2 389	2 445	2 347	2 275	2 195	1 951
Iceland	205	154	136	177	177	178	215	189	183	182
Norway	714	679	699	703	674	693	656	665	602	565
Switzerland	4 458	4 437	4 202	4 129	4 043	3 830	3 785	3 654	3 873	3 639

No data available for Estonia, Italy, Liechtenstein. Limited data available for Lithuania, Finland.

Definitions and registration differ significantly between countries. Trends within a country are usually meaningful unless registration changed during the reporting period (e.g. The Netherlands).

EU totals were not calculated because of missing data for several Member Countries.

Missing data for some countries and years are marked with a dash (-).

3 Fatalities: details

3.1 Fatalities by mode of transport

3.1.1 Pedestrians

Table 5. Annual number of pedestrian fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	108	115	117	109	107	94	81	95	74	92
Bulgaria	174	149	135	108	156	164	118	157	123	154
Czechia	168	176	163	162	130	150	130	129	142	111
Denmark	44	33	31	34	22	27	36	20	30	30
Germany	476	614	527	561	527	545	500	489	464	421
Estonia	14	26	29	23	26	24	22	10	12	11
Ireland	44	47	29	31	41	31	35	-	-	-
Greece	179	223	170	151	125	128	149	118	146	145
Spain	471	380	370	371	336	367	389	351	386	381
France	485	519	489	465	499	466	553	480	468	476
Croatia	105	71	72	69	73	61	67	56	65	61
Italy	621	589	576	551	578	602	570	600	612	534
Cyprus	13	13	10	8	10	16	14	15	8	-
Latvia	79	60	62	70	71	63	55	51	50	40
Lithuania	-	-	-	96	109	81	-	-	-	-
Luxembourg	1	6	6	5	3	7	8	4	3	2
Hungary	192	124	156	147	152	149	152	170	165	144
Malta	-	-	-	-	-	5	8	7	2	-
Netherlands	62	65	64	51	50	60	44	64	50	49
Austria	98	87	81	82	71	84	73	73	47	69
Poland	1 236	1 408	1 157	1 140	1 116	915	868	873	803	793
Portugal	195	199	159	144	145	146	123	130	163	-
Romania	868	747	728	726	697	649	717	733	690	729
Slovenia	26	21	19	20	14	16	22	10	13	15
Slovakia	126	-	-	-	-	-	80	55	72	80
Finland	35	41	29	34	36	32	29	27	25	15
Sweden	31	53	50	42	52	28	42	37	34	27
European Union	5 952	5 986	5 441	5 308	5 246	4 998	4 966	4 870	4 763	4 668
Iceland	2	4	2	1	0	1	2	0	0	1
Norway	24	16	22	18	18	12	15	11	13	13
Switzerland	75	69	75	69	43	58	50	47	43	37

No data available for Liechtenstein.

EU totals were derived by imputation.

Data were available for all countries except Liechtenstein.

Missing data for some countries and years are marked with a dash (-).

Crashes involving pedestrians may be subject to underregistration.

3.1.2 Bicycles

Table 6. Annual number of bicycle fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	73	74	84	83	82	90	81	76	89	95
Bulgaria	27	17	32	31	29	29	35	22	21	27
Czechia	80	63	78	74	68	84	53	57	56	53
Denmark	26	30	22	33	30	26	31	27	28	31
Germany	381	399	406	354	396	383	393	382	445	445
Estonia	0	0	0	0	0	0	4	1	3	2
Ireland	5	9	8	5	13	10	10	-	-	-
Greece	23	13	21	15	19	11	18	11	12	22
Spain	67	48	74	70	75	58	67	78	58	80
France	147	141	164	147	159	149	162	173	175	187
Croatia	28	28	21	23	19	34	27	23	22	16
Italy	265	282	292	251	273	251	275	254	219	253
Cyprus	2	2	1	2	1	1	0	4	1	-
Latvia	13	15	18	13	16	9	7	11	9	9
Lithuania	-	-	-	18	19	22	-	-	-	-
Luxembourg	1	2	0	0	0	0	1	0	3	0
Hungary	92	85	84	68	98	83	73	81	68	63
Malta	0	-	-	-	-	0	1	0	1	-
Netherlands	119	144	145	112	133	125	131	138	160	148
Austria	32	42	52	52	45	39	48	32	41	33
Poland	280	314	300	306	286	300	271	220	285	258
Portugal	33	45	32	29	35	25	33	25	26	-
Romania	182	140	154	161	151	162	176	191	181	198
Slovenia	17	16	12	16	13	14	12	11	8	9
Slovakia	27	-	-	-	-	-	21	23	19	17
Finland	26	19	19	20	27	31	26	23	21	23
Sweden	21	21	28	14	33	17	22	26	23	17
European Union	1 985	1 993	2 090	1 921	2 043	1 975	2 000	1 921	2 006	2 046
Iceland	0	0	0	0	0	1	0	2	0	0
Norway	5	12	12	10	12	5	12	9	7	6
Switzerland	34	39	36	21	34	39	33	37	39	27

No data available for Liechtenstein.

EU totals were derived by imputation.

Missing data for some countries are marked with a dash (-).

Crashes involving bicycles may be subject to underregistration.

3.1.3 Mopeds

Table 7. Annual number of moped fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	23	23	17	14	19	20	16	24	18	19
Bulgaria	5	10	4	6	8	11	8	11	7	2
Czechia	7	7	7	6	8	6	1	2	5	2
Denmark	11	14	14	11	13	19	8	9	10	13
Germany	74	70	93	73	87	62	68	59	78	63
Estonia	0	-	1	0	0	0	3	1	0	1
Greece	36	34	35	25	20	32	25	32	27	19
Spain	99	73	67	56	54	56	54	49	62	49
France	248	220	179	159	165	155	121	117	133	134
Croatia	15	10	16	14	11	14	10	8	4	9
Italy	206	165	127	125	112	105	116	92	108	88
Cyprus	3	3	3	0	4	2	2	2	2	-
Latvia	4	5	3	3	6	6	6	6	4	1
Lithuania	-	-	-	4	1	3	-	-	-	-
Luxembourg	0	0	0	0	0	0	0	0	0	1
Hungary	19	31	25	24	17	27	16	17	13	10
Malta	-	-	-	-	-	0	0	0	0	-
Netherlands	32	36	40	41	32	35	34	36	31	35
Austria	18	18	19	15	16	8	8	14	8	12
Poland	83	87	82	62	71	65	77	55	76	87
Portugal	77	71	57	51	43	42	44	43	42	-
Romania	114	87	99	39	30	34	33	17	18	18
Slovenia	7	2	3	4	2	1	3	4	2	3
Slovakia	-	-	-	-	-	-	8	2	3	2
Finland	9	10	7	5	3	2	5	5	3	3
Sweden	8	11	8	3	8	5	8	1	7	6
European Union	1 110	1 000	918	748	738	718	677	609	664	624
Iceland	0	1	0	0	0	0	0	0	0	0
Norway	0	4	4	3	2	1	1	1	2	0
Switzerland	4	4	3	8	1	3	6	2	5	5

No data available for Ireland and Liechtenstein.

EU totals were derived by imputation.

Missing data for some countries and years are marked with a dash (-).

3.1.4 Motorcycles

Table 8. Annual number of motorcycle fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	103	134	100	106	85	105	79	77	87	84
Bulgaria	42	35	48	49	47	50	-	2	4	5
Czechia	92	77	86	66	88	91	62	69	94	84
Denmark	22	23	10	15	18	19	26	11	21	27
Germany	635	708	586	568	587	639	536	583	619	542
Estonia	0	0	0	0	0	0	1	0	6	3
Ireland	17	18	19	26	24	22	22	-	-	-
Greece	367	305	282	271	278	237	240	216	190	228
Spain	386	348	304	302	287	329	343	359	359	417
France	734	786	692	658	649	614	613	669	627	615
Croatia	51	76	62	49	44	58	38	42	55	46
Italy	950	923	847	728	704	773	657	735	687	698
Cyprus	18	13	11	15	9	13	10	14	14	-
Latvia	17	6	7	10	10	7	12	1	3	1
Lithuania	-	-	-	15	13	13	-	-	-	-
Luxembourg	1	3	5	8	8	6	3	7	9	3
Hungary	49	52	39	58	58	50	48	43	49	64
Malta	3	-	-	-	-	2	9	2	8	-
Netherlands	60	50	53	29	51	43	44	53	42	45
Austria	68	67	68	87	76	83	85	83	102	79
Poland	259	292	261	253	237	208	244	231	238	295
Portugal	126	116	104	78	91	73	59	106	112	-
Romania	59	69	62	52	45	55	46	52	55	51
Slovenia	17	25	18	17	15	25	22	25	16	20
Slovakia	27	-	-	-	-	-	-	-	-	-
Finland	18	29	21	24	17	20	17	13	24	25
Sweden	37	46	31	40	31	44	36	39	47	29
European Union	4 173	4 246	3 761	3 553	3 501	3 606	3 318	3 494	3 530	3 557
Iceland	1	0	0	1	0	1	2	2	0	1
Norway	26	13	17	21	20	20	22	20	14	16
Switzerland	68	68	74	55	53	66	43	51	42	30

No data available for Liechtenstein.

EU totals were derived by imputation.

Missing data for some countries and years are marked with a dash (-).

3.1.5 Cars

Table 9. Annual number of car fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	450	466	402	367	392	375	343	285	275	306
Bulgaria	478	398	335	367	379	396	456	369	341	348
Czechia	403	404	368	308	347	365	328	279	333	329
Denmark	135	106	81	79	89	74	96	99	65	87
Germany	1 840	1 986	1 791	1 588	1 579	1 624	1 537	1 437	1 424	1 364
Estonia	44	56	42	41	33	35	33	27	21	20
Ireland	129	95	90	107	103	89	106	-	-	-
Greece	545	474	383	347	289	314	340	285	267	202
Spain	1 194	977	871	716	722	693	754	799	732	641
France	2 117	2 062	1 881	1 615	1 664	1 796	1 760	1 767	1 637	1 622
Croatia	205	215	186	195	141	164	148	187	154	141
Italy	1 832	1 673	1 695	1 491	1 497	1 476	1 477	1 472	1 423	1 411
Cyprus	19	31	18	16	15	24	10	14	15	-
Latvia	91	78	72	71	91	85	71	59	70	62
Lithuania	-	-	-	108	118	115	-	-	-	-
Luxembourg	27	21	22	30	24	16	19	13	19	16
Hungary	330	268	253	254	256	304	269	277	291	273
Malta	9	-	-	-	-	4	5	9	5	-
Netherlands	219	209	218	180	171	214	225	194	245	240
Austria	291	289	282	194	191	241	191	182	181	200
Poland	1 853	1 897	1 615	1 448	1 346	1 332	1 417	1 295	1 291	1 333
Portugal	367	331	255	214	223	214	225	204	238	-
Romania	973	780	798	721	724	787	785	812	737	682
Slovenia	44	46	53	40	41	38	45	30	32	28
Slovakia	171	-	-	-	-	-	127	156	120	124
Finland	159	172	147	152	121	159	150	133	146	123
Sweden	151	159	142	144	122	144	138	131	181	103
European Union	14 184	13 472	12 271	10 948	10 824	11 212	11 170	10 736	10 464	10 134
Iceland	4	7	6	11	3	12	13	9	12	3
Norway	127	102	73	105	72	67	67	57	61	61
Switzerland	129	119	104	103	97	75	75	78	79	65

Data for Liechtenstein was not available.

EU totals were derived by imputation.

Missing data for some countries and years are marked with a dash (-).

Data include taxis

3.1.6 Heavy goods vehicles

Table 10. Annual number of heavy goods vehicle (>3,5t) fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	14	16	19	15	14	16	24	16	19	11
Bulgaria	30	20	21	24	23	32	-	0	0	0
Czechia	27	23	25	19	23	9	18	20	19	17
Denmark	2	1	0	1	1	2	3	2	3	2
Germany	87	88	154	148	72	84	70	72	95	80
Estonia	1	0	1	2	3	0	2	1	3	5
Ireland	2	0	2	2	3	1	3	-	-	-
Greece	14	10	11	7	12	11	6	9	10	4
Spain	71	73	50	43	48	59	55	57	58	55
France	65	67	56	57	56	56	55	51	44	36
Croatia	4	2	2	2	4	6	3	0	2	1
Italy	53	50	46	43	46	44	83	92	50	67
Cyprus	0	-	1	2	0	0	0	0	0	-
Latvia	0	2	4	3	5	5	3	4	3	3
Lithuania	-	-	-	6	4	3	-	-	-	-
Luxembourg	1	0	0	2	0	1	0	0	0	0
Hungary	11	10	15	13	14	11	12	7	14	12
Malta	0	-	-	-	-	0	0	0	0	-
Netherlands	4	2	7	7	6	9	6	7	7	5
Austria	7	6	4	6	9	8	13	8	4	2
Poland	142	138	104	90	92	74	114	-	36	26
Portugal	12	14	16	18	8	10	7	4	7	-
Romania	13	25	21	18	17	15	11	12	14	5
Slovenia	1	1	0	1	1	1	3	3	6	2
Slovakia	19	-	-	-	-	-	4	3	3	1
Finland	9	5	10	6	4	4	5	10	3	3
Sweden	5	4	2	5	5	5	6	3	4	3
European Union	600	580	591	552	479	472	525	462	410	353
Iceland	1	0	0	0	0	0	1	0	0	0
Norway	8	8	2	11	7	4	5	2	3	4
Switzerland	2	1	1	3	2	3	1	2	2	2

Data for Liechtenstein was not available.

EU totals were derived by imputation.

Missing data for some countries and years are marked with a dash (-).

3.1.7 Lorries (<3,5t)

Table 11. Annual number of lorry fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	39	30	31	38	27	37	38	29	30	17
Bulgaria	-	-	-	-	-	-	-	1	0	0
Czechia	18	15	7	15	16	15	17	12	2	13
Denmark	14	10	6	17	9	9	6	5	13	9
Germany	75	86	-	-	71	62	63	95	79	72
Ireland	8	17	10	12	5	5	5	-	-	-
Greece	62	51	51	38	35	44	31	43	31	49
Spain	116	99	98	69	111	93	88	98	93	86
France	146	134	145	132	142	120	130	99	92	98
Croatia	5	10	15	2	5	5	5	9	4	7
Italy	141	117	118	102	109	118	58	64	139	70
Cyprus	5	4	4	1	4	0	5	4	7	-
Latvia	0	2	4	5	6	3	2	1	2	8
Lithuania	-	-	-	1	2	1	-	-	-	-
Luxembourg	-	1	1	0	0	6	1	1	1	0
Hungary	24	30	20	17	25	17	15	24	25	31
Malta	0	-	-	-	-	0	0	0	0	-
Netherlands	22	18	16	15	7	15	24	21	21	22
Austria	10	5	15	15	10	12	10	16	11	10
Poland	-	-	-	-	-	-	-	-	83	84
Portugal	88	76	48	61	49	46	41	55	61	-
Romania	73	64	72	61	67	77	63	64	73	74
Slovenia	2	1	5	5	0	0	0	0	0	2
Slovakia	1	-	-	-	-	-	14	9	19	11
Finland	9	9	11	9	10	13	14	12	6	10
Sweden	7	10	16	5	8	10	6	5	12	26
European Union	951	877	864	787	812	804	721	756	810	773
Iceland	0	0	1	1	1	0	0	1	4	0
Norway	9	5	9	9	1	4	1	2	6	5
Switzerland	6	8	6	3	3	1	1	2	2	8

Data for Estonia and Liechtenstein was not available.

EU totals were derived by imputation.

Missing data for some countries and years are marked with a dash (-).

3.1.8 Buses and coaches

Table 12. Annual number of bus and coach fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	1	2	5	5	4	4	0	1	2	1
Bulgaria	3	11	2	1	4	3	5	15	28	3
Czechia	1	4	2	2	3	1	0	4	3	3
Denmark	0	0	1	0	0	0	3	0	0	0
Germany	32	10	3	11	13	5	4	22	9	7
Estonia	4	1	2	2	8	1	1	0	1	2
Ireland	1	0	1	0	0	0	0	-	-	-
Greece	2	4	8	2	2	3	0	0	0	0
Spain	5	4	3	11	26	2	21	3	12	3
France	4	0	7	7	9	43	12	14	3	4
Croatia	0	0	8	1	0	1	2	1	0	0
Italy	9	3	7	48	5	6	3	18	5	5
Cyprus	0	0	0	0	0	0	1	0	0	-
Latvia	5	2	3	1	1	2	0	0	1	0
Lithuania	-	-	-	1	0	1	-	-	-	-
Luxembourg	0	0	0	0	0	0	0	0	0	0
Hungary	12	30	3	6	1	1	10	4	3	1
Malta	0	-	-	-	-	0	0	0	2	-
Netherlands	1	0	1	0	1	1	0	0	0	0
Austria	8	0	2	0	1	0	1	0	2	1
Poland	14	12	18	18	12	14	8	3	19	10
Portugal	0	1	2	11	2	8	0	1	1	-
Romania	10	9	10	8	9	18	23	7	11	27
Slovenia	0	0	0	0	0	0	0	0	0	1
Slovakia	0	-	-	-	-	-	3	1	2	12
Finland	0	2	1	1	0	0	0	2	5	0
Sweden	2	2	2	1	2	0	1	4	0	0
European Union	115	98	93	139	105	116	99	101	110	84
Iceland	0	0	0	0	0	0	0	2	1	0
Norway	4	4	2	5	7	1	1	2	0	1
Switzerland	4	3	32	0	2	1	1	1	3	1

Data for Liechtenstein was not available.

EU totals were derived by imputation.

Missing data for some countries and years are marked with a dash (-).

3.2 Change in fatalities by age group

Table 13. Annual number of fatalities by age group and by country for 2010 and 2019

	2010							2019						
	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	no age	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	no age
Belgium	28	21	173	344	123	155	6	11	11	87	223	135	167	12
Bulgaria	19	20	116	322	147	147	5	21	12	78	214	139	162	2
Czechia	17	17	125	329	142	172	0	18	9	81	249	106	154	1
Denmark	9	8	42	81	48	67	-	5	6	23	66	36	63	0
Germany	104	101	690	1 218	624	910	1	55	66	363	823	701	1 037	1
Estonia	1	2	10	24	25	17	-	2	0	5	19	12	14	0
Ireland	6	7	56	83	26	30	4	-	-	-	-	-	-	-
Greece	30	39	186	521	190	268	24	12	14	76	256	132	181	17
Spain	79	49	311	1 087	407	527	20	32	34	138	664	385	492	10
France	130	161	831	1 513	592	765	0	66	86	549	1 090	601	845	0
Croatia	12	9	58	170	80	97	0	9	8	43	103	58	58	18
Italy	70	121	547	1 573	645	1 064	94	35	67	339	1 009	681	994	48
Cyprus	1	2	12	27	7	11	0	-	-	-	-	-	-	-
Latvia	9	2	35	75	53	36	8	4	0	9	55	38	21	5
Luxembourg	0	0	10	13	6	3	0	0	0	6	9	5	2	0
Hungary	20	10	73	304	184	137	12	15	9	49	231	140	155	3
Malta	1	0	4	7	1	0	-	-	-	-	-	-	-	-
Netherlands	16	20	90	171	86	154	0	12	15	87	165	86	216	5
Austria	10	27	102	178	95	140	0	16	13	45	128	87	127	0
Poland	112	122	677	1 419	871	674	33	68	50	383	1 116	616	664	12
Portugal	18	7	88	378	168	277	1	-	-	-	-	-	-	-
Romania	95	50	307	849	577	494	5	68	34	152	583	479	539	9
Slovenia	2	4	19	54	29	30	0	1	2	8	38	25	28	0
Slovakia	11	7	59	126	67	48	53	2	10	30	99	76	51	2
Finland	7	13	48	93	47	64	0	5	10	31	71	40	54	0
Sweden	9	5	47	82	52	71	0	4	5	19	80	38	75	0
European Union	823	828	4 757	11 136	5 348	6 410	268	484	485	2 742	7 708	4 845	6 452	149
Iceland	0	0	3	1	2	2	0	0	1	0	1	3	1	0
Norway	3	7	42	75	39	42	0	0	1	18	35	23	31	0
Switzerland	8	12	36	105	65	101	0	4	3	14	47	44	75	0

Data for Lithuania and Liechtenstein was not available.

For Ireland and Cyprus and Malta and Portugal one of the years had missing data.

EU totals were derived by imputation.

Missing Data are marked with a dash (-).

3.3 Mode of transport by age group

3.3.1 Pedestrians

Table 14. Number of pedestrian fatalities by age group and by country for the last available year

Country	Year	Unknown	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Total
Belgium	2019	4	6	1	7	26	13	35	92
Bulgaria	2019	2	7	2	1	28	33	81	154
Czechia	2019	1	3	3	9	34	17	44	111
Denmark	2019	0	0	0	3	7	3	17	30
Germany	2019	0	22	6	27	68	63	235	421
Estonia	2019	0	1	0	0	2	2	6	11
Ireland	2016	0	2	1	1	11	6	14	35
Greece	2019	8	6	1	5	35	24	66	145
Spain	2019	5	12	2	12	72	61	217	381
France	2019	0	11	10	32	102	74	247	476
Croatia	2019	2	6	0	0	13	11	29	61
Italy	2019	5	8	3	18	90	94	316	534
Cyprus	2018	-	0	-	0	1	2	5	8
Latvia	2019	3	1	0	0	15	14	7	40
Lithuania	2015	1	1	1	5	20	19	34	81
Luxembourg	2019	-	0	0	1	1	0	0	2
Hungary	2019	1	4	0	9	31	38	61	144
Malta	2018	-	0	0	1	0	0	1	2
Netherlands	2019	1	3	0	3	8	5	29	49
Austria	2019	0	6	0	5	9	9	40	69
Poland	2019	8	15	9	41	192	230	298	793
Portugal	2018	-	2	3	6	20	43	89	163
Romania	2019	8	33	9	6	153	220	300	729
Slovenia	2019	-	0	1	0	3	2	9	15
Slovakia	2019	1	2	1	3	16	28	29	80
Finland	2019	0	0	0	1	6	2	6	15
Sweden	2019	0	2	0	1	8	4	12	27
European Union	2019	50	153	53	197	971	1 017	2 227	4 668
Iceland	2019	0	0	0	0	0	0	1	1
Norway	2019	0	0	0	0	2	2	9	13
Switzerland	2019	0	2	1	1	7	2	24	37

EU totals were derived by imputation on available country data.

Age distribution is shown for the last year with available data for that country.

Missing Data are marked with a dash (-).

3.3.2 Bicycles

Table 15. Number of cyclist fatalities by age group and by country for the last available year

Country	Year	Unknown	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Total
Belgium	2019	0	2	4	5	8	31	45	95
Bulgaria	2019	0	0	0	1	7	9	10	27
Czechia	2019	-	1	0	2	5	19	26	53
Denmark	2019	0	1	0	1	8	7	14	31
Germany	2019	0	7	9	12	52	104	261	445
Estonia	2019	-	0	0	0	1	0	1	2
Ireland	2016	0	2	0	1	3	1	3	10
Greece	2019	0	2	3	3	4	6	4	22
Spain	2019	0	1	5	5	21	17	31	80
France	2019	0	6	4	12	32	55	78	187
Croatia	2019	0	1	0	0	2	5	8	16
Italy	2019	3	3	4	8	54	53	128	253
Cyprus	2018	-	0	0	0	1	0	0	1
Latvia	2019	0	0	0	0	3	5	1	9
Lithuania	2015	1	1	0	0	5	7	8	22
Luxembourg	2019	0	0	0	0	0	0	0	0
Hungary	2019	0	1	1	0	14	25	22	63
Malta	2018	-	0	0	0	0	1	0	1
Netherlands	2019	1	6	4	9	21	22	85	148
Austria	2019	0	2	0	1	5	7	18	33
Poland	2019	1	16	4	4	54	83	96	258
Portugal	2018	0	0	0	4	8	7	7	26
Romania	2019	0	5	1	6	48	63	75	198
Slovenia	2019	0	1	1	0	1	2	4	9
Slovakia	2019	1	0	0	0	2	6	8	17
Finland	2019	0	0	0	0	2	9	12	23
Sweden	2019	0	0	0	1	3	1	12	17
European Union	2019	7	58	40	75	364	545	957	2 046
Iceland	2019	0	0	0	0	0	0	0	0
Norway	2019	0	0	0	0	2	1	3	6
Switzerland	2019	0	1	1	0	3	9	13	27

EU totals were derived by imputation on available country data.

Age distribution is shown for the last year with available data for that country.

Missing Data are marked with a dash (-).

3.3.3 Mopeds

Table 16. Number of moped fatalities by age group and by country for the last recorded year

Country	Year	Unknown	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Total
Belgium	2019	1	0	2	2	6	5	3	19
Bulgaria	2019	0	0	0	1	0	0	1	2
Czechia	2019	-	0	0	0	0	1	1	2
Denmark	2019	0	1	4	2	3	1	2	13
Germany	2019	0	0	11	2	17	15	18	63
Estonia	2019	0	0	0	0	0	1	0	1
Greece	2019	0	0	1	2	4	4	8	19
Spain	2019	1	0	10	6	12	14	6	49
France	2019	0	3	30	37	40	22	2	134
Croatia	2019	1	0	0	1	1	5	1	9
Italy	2019	3	2	19	10	22	11	21	88
Cyprus	2018	-	-	0	1	0	0	1	2
Latvia	2019	0	0	0	0	0	0	1	1
Lithuania	2015	0	0	2	0	1	0	0	3
Luxembourg	2019	-	-	-	1	0	0	-	1
Hungary	2019	0	0	0	0	2	5	3	10
Malta	2018	-	-	-	0	0	-	-	0
Netherlands	2019	0	0	3	9	6	8	9	35
Austria	2019	0	3	6	0	1	0	2	12
Poland	2019	0	1	3	5	37	19	22	87
Portugal	2018	0	0	2	2	8	17	13	42
Romania	2019	-	0	0	0	7	4	7	18
Slovenia	2019	-	0	0	0	1	1	1	3
Slovakia	2019	-	0	0	1	1	0	0	2
Finland	2019	0	1	2	0	0	0	0	3
Sweden	2019	0	0	1	1	1	2	1	6
European Union	2019	6	11	96	83	170	135	123	624
Iceland	2019	-	0	0	-	0	0	-	0
Norway	2019	0	-	0	0	0	0	0	0
Switzerland	2019	-	0	0	0	2	1	2	5

EU totals were derived by imputation on available country data.

Age distribution is shown for the last year with available data for that country.

Missing Data are marked with a dash (-).

3.3.4 Motorcycles

Table 17. Number of motorcycle fatalities by age group and by country for the last available year

Country	Year	Unknown	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Total
Belgium	2019	1	0	1	6	37	34	5	84
Bulgaria	2019	-	-	0	2	3	0	-	5
Czechia	2019	-	0	3	7	60	11	3	84
Denmark	2019	0	0	-	2	15	8	2	27
Germany	2019	0	2	24	74	201	178	63	542
Estonia	2019	0	-	0	0	3	0	0	3
Ireland	2016	0	0	0	3	14	3	2	22
Greece	2019	5	0	5	34	116	48	20	228
Spain	2019	2	1	2	31	247	106	28	417
France	2019	0	2	9	98	329	146	31	615
Croatia	2019	4	0	2	10	25	5	0	46
Italy	2019	2	0	21	78	351	195	51	698
Cyprus	2018	-	0	2	4	7	1	0	14
Latvia	2019	0	0	0	0	1	0	0	1
Lithuania	2015	0	0	0	4	8	1	-	13
Luxembourg	2019	-	-	0	1	0	2	0	3
Hungary	2019	0	0	2	4	41	14	3	64
Malta	2018	-	0	0	2	3	3	0	8
Netherlands	2019	0	0	0	9	25	7	4	45
Austria	2019	0	0	2	10	33	23	11	79
Poland	2019	0	0	7	49	213	19	7	295
Portugal	2018	0	0	4	12	80	12	4	112
Romania	2019	0	0	3	7	36	3	2	51
Slovenia	2019	-	0	0	0	9	8	3	20
Finland	2019	0	0	4	4	12	4	1	25
Sweden	2019	0	0	1	1	15	8	4	29
European Union	2019	17	5	92	459	1 899	840	245	3 557
Iceland	2019	-	0	0	0	1	0	0	1
Norway	2019	0	0	1	2	9	3	1	16
Switzerland	2019	0	0	1	5	12	8	4	30

EU totals were derived by imputation on available country data.

Age distribution is shown for the last year with available data for that country.

Missing data are marked with a dash (-).

3.3.5 Cars

Table 18. Number of car fatalities by age group and by country for the last available year

Country	Year	Unknown	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Total
Belgium	2019	3	2	3	62	127	40	69	306
Bulgaria	2019	0	13	8	69	118	76	64	348
Czechia	2019	0	14	3	57	129	49	77	329
Denmark	2019	0	3	2	14	30	13	25	87
Germany	2019	1	21	15	238	410	265	414	1 364
Estonia	2019	0	0	0	4	9	5	2	20
Ireland	2016	1	3	1	25	41	11	24	106
Greece	2019	4	2	4	27	75	35	55	202
Spain	2019	2	17	14	76	234	130	168	641
France	2019	0	40	29	335	519	243	456	1 622
Croatia	2019	10	2	6	29	54	25	15	141
Italy	2019	16	21	20	217	435	260	442	1 411
Cyprus	2018	-	2	0	2	7	2	2	15
Latvia	2019	1	3	0	6	28	13	11	62
Lithuania	2015	0	3	3	17	51	17	24	115
Luxembourg	2019	0	0	0	3	8	3	2	16
Hungary	2019	2	9	4	33	126	44	55	273
Malta	2018	0	0	0	1	2	1	1	5
Netherlands	2019	2	3	7	51	80	36	61	240
Austria	2019	0	3	5	29	68	42	53	200
Poland	2019	3	34	27	273	550	231	215	1 333
Portugal	2018	0	5	3	29	78	45	78	238
Romania	2019	1	23	18	122	259	136	123	682
Slovenia	2019	0	0	0	5	13	4	6	28
Slovakia	2019	0	0	4	22	55	30	13	124
Finland	2019	0	4	4	23	43	20	29	123
Sweden	2019	0	2	3	13	32	20	33	103
European Union	2019	46	229	183	1 782	3 581	1 796	2 517	10 134
Iceland	2019	0	0	1	0	0	2	0	3
Norway	2019	0	0	0	16	18	13	14	61
Switzerland	2019	0	0	0	5	17	17	26	65

Data include taxis

Age distribution is shown for the last year with available data for that country.

EU totals were derived by imputation on available country data.

Missing Data are marked with a dash (-).

Breakdown of other modes of transport was omitted from this section because of low numbers of fatalities for these vehicles.

3.4 Fatalities by gender

3.4.1 Male fatalities

Table 19. Annual number of male fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	631	678	627	576	560	568	504	453	442	500
Bulgaria	-	-	-	-	-	-	542	496	451	466
Czechia	607	574	560	492	508	561	451	422	482	467
Denmark	170	161	122	126	139	133	153	132	122	156
Germany	2 651	2 971	2 650	2 433	2 509	2 549	2 342	2 350	2 480	2 290
Estonia	55	74	64	54	51	44	49	31	47	35
Ireland	161	130	108	142	132	122	133	-	-	-
Greece	1 013	920	806	692	649	651	656	615	563	580
Spain	1 917	1 589	1 447	1 279	1 289	1 292	1 395	1 403	1 399	1 381
France	3 039	3 024	2 730	2 505	2 541	2 604	2 635	2 667	2 491	2 504
Croatia	324	334	324	284	244	274	243	268	251	238
Italy	3 268	3 005	3 015	2 703	2 662	2 759	2 619	2 709	2 673	2 566
Cyprus	50	58	37	35	32	36	36	45	39	-
Latvia	121	109	128	137	166	142	123	99	111	107
Lithuania	-	-	-	194	192	165	-	-	-	-
Luxembourg	24	22	26	34	29	29	21	21	31	18
Hungary	555	467	438	429	457	468	461	455	467	431
Malta	8	-	-	-	-	8	17	10	13	-
Netherlands	392	384	416	345	342	400	385	398	419	412
Austria	409	385	378	342	315	347	313	310	311	302
Poland	2 977	3 243	2 725	2 563	2 431	2 231	2 269	2 084	2 102	2 220
Portugal	734	675	564	501	503	473	435	475	557	-
Romania	1 802	1 545	1 542	1 374	1 361	1 430	1 405	1 449	1 385	1 416
Slovenia	104	113	97	94	78	90	102	78	70	83
Slovakia	279	-	-	-	-	-	213	205	197	204
Finland	204	211	191	192	167	196	208	182	176	164
Sweden	199	241	218	195	191	201	205	196	249	169
European Union	22 565	22 038	20 304	18 585	18 379	18 562	18 080	17 851	17 826	17 616
Iceland	4	8	7	7	2	12	13	9	12	5
Norway	158	118	107	135	108	87	111	74	82	78
Switzerland	244	240	249	191	187	188	151	163	172	139

Data for Liechtenstein was not available.

EU totals were derived by imputation.

Missing Data are marked with a dash (-).

3.4.2 Female fatalities

Table 20. Annual number of female fatalities by country 2010-2019

country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	205	191	190	181	163	186	156	148	153	135
Bulgaria	-	-	-	-	-	-	161	186	158	162
Czechia	177	187	167	150	164	154	146	143	151	131
Denmark	85	59	45	65	43	45	58	43	49	43
Germany	997	1 038	950	905	867	910	864	830	795	755
Estonia	24	27	23	27	27	23	21	17	20	17
Ireland	46	56	54	46	58	40	48	-	-	-
Greece	245	221	182	187	146	142	168	116	137	108
Spain	556	465	449	392	398	395	410	424	407	370
France	953	939	923	763	843	855	836	777	755	733
Croatia	102	84	69	84	64	74	64	63	66	59
Italy	846	855	738	698	719	669	664	669	661	607
Cyprus	10	13	14	9	13	21	10	8	10	-
Latvia	26	8	47	39	46	46	35	37	37	25
Lithuania	-	-	-	61	75	74	-	-	-	-
Luxembourg	8	11	8	11	6	7	11	4	5	4
Hungary	181	169	163	159	167	173	145	168	163	169
Malta	5	-	-	-	-	3	6	9	5	-
Netherlands	145	162	146	131	134	131	148	137	176	170
Austria	143	138	153	113	115	132	119	104	98	114
Poland	913	938	845	792	771	707	757	747	757	684
Portugal	203	216	152	135	134	119	128	127	143	-
Romania	575	473	500	487	457	463	508	502	482	448
Slovenia	34	28	33	31	30	30	28	26	21	19
Slovakia	92	-	-	-	-	-	60	71	63	65
Finland	68	81	64	66	62	74	50	56	63	47
Sweden	67	78	67	65	79	58	65	57	75	52
European Union	6 962	6 779	6 313	5 855	5 828	5 763	5 740	5 591	5 572	5 197
Iceland	4	4	2	8	2	4	5	7	6	1
Norway	50	50	38	52	39	30	24	32	26	30
Switzerland	83	80	90	78	56	65	65	67	61	48

Data for Liechtenstein was not available.
 EU totals were derived by imputation.
 Missing Data are marked with a dash (-).

3.5 Fatalities in crashes by gender and by road user type for cars

3.5.1 Female car drivers

Table 21. Annual number of female car fatalities by country 2010-2019

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	70	64	63	41	61	61	46	52	52	50
Bulgaria	-	-	-	-	-	-	18	28	18	28
Czechia	35	44	36	32	42	52	42	31	40	44
Denmark	31	19	14	8	14	7	19	19	18	12
Germany	336	327	333	266	289	327	271	286	255	252
Estonia	7	1	2	4	5	4	4	2	4	3
Ireland	19	23	28	18	20	17	16	-	-	-
Greece	47	44	24	33	22	18	31	20	25	25
Spain	122	90	90	87	82	81	74	102	88	77
France	348	353	352	271	298	296	307	283	289	255
Croatia	17	17	10	10	10	11	11	15	10	13
Italy	215	214	181	184	167	175	182	176	154	171
Cyprus	0	1	6	2	3	5	1	2	1	-
Latvia	4	0	9	5	5	5	2	5	7	4
Lithuania	-	-	-	6	5	10	-	-	-	-
Luxembourg	4	3	1	7	3	2	3	0	3	3
Hungary	31	23	24	30	25	27	32	25	34	25
Malta	1	-	-	-	-	1	1	0	1	-
Netherlands	31	41	34	26	39	27	41	33	36	52
Austria	41	43	56	32	40	47	38	36	34	40
Poland	130	150	149	125	126	113	104	150	161	122
Portugal	30	30	26	26	27	23	18	23	23	-
Romania	38	33	40	35	20	52	41	41	42	30
Slovenia	11	8	10	9	10	6	11	7	9	5
Slovakia	14	-	-	-	-	-	15	13	18	13
Finland	21	20	17	20	22	26	14	18	21	23
Sweden	23	20	19	24	25	21	23	16	22	13
European Union	1 649	1 606	1 562	1 334	1 393	1 447	1 375	1 409	1 391	1 311
Iceland	0	2	1	4	0	0	3	3	1	0
Norway	16	19	21	24	13	11	12	12	9	13
Switzerland	21	18	16	16	10	6	15	14	9	10

Data include taxis

EU totals were derived by imputation.

Missing Data are marked with a dash (-).

3.5.2 Male car drivers

Table 22. Annual number of male car driver fatalities by country 2010-2019

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	258	291	257	233	246	232	216	169	166	188
Bulgaria	-	-	-	-	-	-	263	194	190	190
Czechia	250	236	219	187	220	202	183	159	186	192
Denmark	62	56	46	41	48	46	56	61	31	55
Germany	1 006	1 149	1 031	904	927	911	888	822	847	812
Estonia	22	33	23	27	20	17	15	18	17	9
Ireland	60	42	36	61	46	46	55	-	-	-
Greece	319	273	239	218	181	208	217	187	165	135
Spain	662	572	487	404	418	394	436	452	435	382
France	1 210	1 142	999	919	927	1 015	1 006	1 055	959	979
Croatia	116	132	126	112	90	97	95	114	94	84
Italy	1 093	985	1 037	904	911	928	924	941	905	882
Cyprus	13	22	10	9	7	13	7	8	11	-
Latvia	36	34	39	43	37	46	43	31	38	42
Lithuania	-	-	-	57	55	56	-	-	-	-
Luxembourg	17	13	14	18	16	13	9	9	11	9
Hungary	163	147	129	127	136	148	139	153	146	131
Malta	3	-	-	-	-	1	1	3	3	-
Netherlands	134	117	132	121	98	134	138	121	141	122
Austria	187	174	160	119	116	140	110	105	104	116
Poland	994	1 004	876	745	742	738	759	702	686	730
Portugal	193	170	141	115	122	132	127	132	145	-
Romania	448	374	355	347	335	375	382	395	363	342
Slovenia	33	37	37	31	31	32	34	23	23	23
Slovakia	89	-	-	-	-	-	70	78	68	63
Finland	96	106	102	95	71	91	105	86	92	74
Sweden	86	83	76	78	61	81	79	73	106	53
European Union	7 905	7 629	6 999	6 277	6 214	6 438	6 413	6 202	6 043	5 883
Iceland	2	4	4	4	1	7	7	2	6	1
Norway	79	56	37	56	41	39	39	33	44	35
Switzerland	78	72	68	61	64	48	42	43	51	43

Data include taxis

EU totals were derived by imputation.

Missing Data are marked with a dash (-).

3.5.3 Female car passengers

Table 23. Annual number of female car passenger fatalities by country 2010-2019

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	44	40	34	43	33	45	38	20	24	24
Bulgaria	-	-	-	-	-	-	82	76	63	67
Czechia	50	52	52	44	45	34	46	34	51	36
Denmark	20	12	7	18	12	10	13	6	9	9
Germany	256	253	211	218	196	204	194	183	169	158
Estonia	10	13	6	6	4	9	8	1	-	4
Ireland	12	15	8	8	13	12	17	-	-	-
Greece	99	83	61	53	53	46	55	37	32	20
Spain	189	172	166	122	131	121	143	123	121	99
France	253	259	238	202	199	243	215	216	197	188
Croatia	31	25	19	32	17	27	19	20	24	13
Italy	262	232	219	178	221	169	177	160	170	147
Cyprus	4	1	2	1	3	5	1	2	3	-
Latvia	8	2	14	11	19	21	12	10	16	9
Lithuania	-	-	-	13	20	18	-	-	-	-
Luxembourg	4	4	5	1	3	0	4	3	2	1
Hungary	64	53	56	46	55	58	42	58	50	64
Malta	3	-	-	-	-	1	3	5	0	-
Netherlands	18	25	25	13	17	11	-	-	-	-
Austria	27	36	37	24	18	32	21	23	23	27
Poland	313	275	248	243	217	209	285	211	215	212
Portugal	65	71	35	42	34	29	43	27	33	-
Romania	195	156	173	147	173	151	168	171	158	142
Slovenia	-	1	3	0	-	-	-	-	0	-
Slovakia	29	-	-	-	-	-	16	36	14	21
Finland	20	24	17	17	14	20	10	14	20	13
Sweden	17	17	11	16	19	16	15	17	32	18
European Union	2 102	1 954	1 776	1 610	1 624	1 593	1 656	1 499	1 474	1 354
Iceland	2	0	0	2	2	3	2	3	4	1
Norway	14	14	6	13	8	13	5	10	5	6
Switzerland	13	13	9	11	11	10	11	8	12	8

EU totals were derived by imputation.

Missing data for some countries and years are marked with a dash (-).
data includes passengers in taxis.

3.5.4 Male car passengers

Table 24. Annual number of male car passenger fatalities by country 2010-2019

Country	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Belgium	71	58	43	46	35	35	38	38	27	41
Bulgaria	-	-	-	-	-	-	89	71	70	63
Czechia	57	66	53	41	36	65	47	50	44	43
Denmark	22	19	14	12	15	11	8	13	7	11
Germany	242	257	216	200	167	182	184	146	153	141
Estonia	5	9	11	4	4	5	6	6	-	3
Ireland	34	15	17	20	22	14	17	-	-	-
Greece	80	74	59	43	33	42	37	41	45	22
Spain	219	142	126	100	90	97	99	120	88	82
France	306	308	292	223	240	242	232	213	192	200
Croatia	41	41	31	41	24	29	23	38	26	31
Italy	262	242	258	225	198	204	194	195	194	211
Cyprus	2	7	0	4	2	1	1	2	0	-
Latvia	13	9	10	10	30	13	14	13	9	7
Lithuania	-	-	-	32	38	31	-	-	-	-
Luxembourg	2	1	2	4	2	1	3	1	3	3
Hungary	72	44	44	50	40	70	56	41	60	52
Malta	1	-	-	-	-	1	0	1	1	-
Netherlands	36	24	27	20	15	15	-	-	-	-
Austria	36	36	29	19	17	22	22	18	20	17
Poland	414	467	342	334	261	272	269	232	227	267
Portugal	79	60	53	31	39	30	37	22	37	-
Romania	290	217	230	192	196	209	194	204	174	168
Slovenia	-	0	3	0	0	-	-	0	-	0
Slovakia	39	-	-	-	-	-	26	29	20	27
Finland	22	22	11	20	14	22	21	15	13	13
Sweden	20	28	16	22	17	25	21	22	18	14
European Union	2 545	2 352	2 082	1 845	1 675	1 765	1 684	1 594	1 496	1 517
Iceland	0	1	1	1	0	2	1	1	1	1
Norway	18	13	9	12	10	4	11	2	3	7
Switzerland	17	16	11	15	12	11	7	13	7	4

EU totals were derived by imputation.

Missing data for some countries are marked with a dash (-).

data includes passengers in taxis.

3.5.5 Female fatalities by age group

Table 25. Number of female fatalities by age group and by country for the last available year

Country	Year	Unknown	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Total
Belgium	2019	2	3	3	15	40	17	55	135
Bulgaria	2019	1	14	2	14	32	31	68	162
Czechia	2019	0	0	3	16	41	19	52	131
Denmark	2019	-	2	1	3	8	3	26	43
Germany	2019	0	26	18	72	128	146	365	755
Estonia	2019	-	0	0	1	5	5	6	17
Ireland	2016	0	1	1	5	19	6	16	48
Greece	2019	6	5	2	9	26	14	46	108
Spain	2019	4	11	8	29	91	59	168	370
France	2019	0	24	17	102	177	123	290	733
Croatia	2019	3	5	1	5	12	14	19	59
Italy	2019	16	14	11	50	148	121	247	607
Cyprus	2018	-	3	0	0	2	1	4	10
Latvia	2019	0	3	0	1	11	5	5	25
Lithuania	2015	0	1	2	3	23	14	31	74
Luxembourg	2019	0	0	0	0	1	2	1	4
Hungary	2019	0	5	5	16	55	33	55	169
Malta	2018	0	0	0	1	1	2	1	5
Netherlands	2019	1	2	5	20	35	25	82	170
Austria	2019	0	8	2	8	23	22	51	114
Poland	2019	1	31	23	57	177	133	262	684
Portugal	2018	0	3	2	12	20	25	81	143
Romania	2019	0	31	11	28	99	93	186	448
Slovenia	2019	0	0	0	1	5	3	10	19
Slovakia	2019	0	0	5	9	15	19	17	65
Finland	2019	0	1	2	7	13	7	17	47
Sweden	2019	0	0	1	4	15	5	27	52
European Union	2019	35	193	125	488	1 222	947	2 188	5 198
Iceland	2019	0	0	0	0	0	1	0	1
Norway	2019	0	0	0	1	8	8	13	30
Switzerland	2019	0	1	1	0	9	8	29	48

EU totals were derived by imputation on available country data.

Age distribution is shown for the last year with available data for that country.

Missing data for some countries and years are marked with a dash (-).

3.5.6 Male fatalities by age group

Table 26. Number of male fatalities by age group and by country for the last available year

Country	Year	Unknown	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Total
Belgium	2019	3	8	8	72	181	116	112	500
Bulgaria	2019	1	7	10	64	182	108	94	466
Czechia	2019	1	0	4	65	208	87	102	467
Denmark	2019	0	3	5	20	58	33	37	156
Germany	2019	0	29	48	291	695	555	672	2 290
Estonia	2019	-	2	0	4	14	7	8	35
Ireland	2016	0	7	2	26	54	15	29	133
Greece	2019	11	7	12	67	230	118	135	580
Spain	2019	6	21	26	108	573	325	322	1 381
France	2019	0	42	69	447	913	478	555	2 504
Croatia	2019	15	4	7	38	91	44	39	238
Italy	2019	32	21	56	289	861	560	747	2 566
Cyprus	2018	-	0	3	8	18	4	6	39
Latvia	2019	5	1	0	8	44	33	16	107
Lithuania	2015	0	4	4	26	64	32	35	165
Luxembourg	2019	0	0	0	6	8	3	1	18
Hungary	2019	1	10	4	33	176	107	100	431
Malta	2018	0	0	0	3	5	4	1	13
Netherlands	2019	1	10	10	67	130	61	133	412
Austria	2019	0	8	11	37	105	65	76	302
Poland	2019	6	37	27	326	939	483	402	2 220
Portugal	2018	0	4	10	57	211	126	149	557
Romania	2019	9	37	23	124	484	386	353	1 416
Slovenia	2019	0	1	2	7	33	22	18	83
Slovakia	2019	1	2	5	21	84	57	34	204
Finland	2019	0	4	8	24	58	33	37	164
Sweden	2019	0	4	4	15	65	33	48	169
European Union	2019	92	273	358	2 253	6 484	3 895	4 261	17 616
Iceland	2019	0	0	1	0	1	2	1	5
Norway	2019	0	0	1	17	27	15	18	78
Switzerland	2019	0	3	2	14	38	36	46	139

EU totals were derived by imputation on available country data.

Age distribution is shown for the last year with available data for that country.

Missing data for some countries and years are marked with a dash (-).

3.6 Mode of transport by crash area

Table 27. Number of fatalities by crash area and by country for the last available year, pedestrians and cyclists

country	year	pedestrian				bicycle			
		urban	rural	motorway	unknown	urban	rural	motorway	unknown
Belgium	2019	51	26	15	0	35	59	1	0
Bulgaria	2019	123	23	8	-	12	14	1	-
Czechia	2019	71	39	1	-	35	18	-	-
Denmark	2019	18	9	3	-	17	14	-	-
Germany	2019	309	91	21	-	272	172	1	-
Estonia	2019	7	4	-	-	2	0	-	-
Ireland	2016	18	17	0	-	4	6	-	-
Greece	2019	105	36	4	-	11	11	-	-
Spain	2019	247	76	58	-	32	43	5	-
France	2019	333	97	46	-	92	94	1	-
Croatia	2019	49	7	5	-	10	6	-	-
Italy	2019	407	114	13	-	150	103	-	-
Cyprus	2018	7	1	-	-	0	1	-	-
Latvia	2019	18	22	-	-	4	5	-	-
Lithuania	2015	-	-	-	81	-	-	-	22
Luxembourg	2019	1	1	0	-	0	0	0	-
Hungary	2019	106	28	10	-	46	17	-	-
Malta	2018	2	0	-	-	1	0	-	-
Netherlands	2019	35	12	2	0	90	55	1	2
Austria	2019	48	18	3	-	13	20	0	-
Poland	2019	510	276	7	-	135	123	0	-
Portugal	2018	133	24	6	-	14	12	0	-
Romania	2019	600	117	12	-	165	33	-	-
Slovenia	2019	9	3	3	-	4	5	-	-
Slovakia	2019	51	28	1	-	9	8	-	-
Finland	2019	7	7	1	-	13	10	-	-
Sweden	2019	17	8	2	0	11	4	0	2
European Union	2019	3 282	1 084	222	105	1 177	833	11	26
Iceland	2019	0	1	-	-	0	0	-	-
Norway	2019	7	6	-	0	2	4	-	0
Switzerland	2019	29	5	3	-	13	14	0	-

Area distribution is shown for the last year with available data for that country.

EU totals were derived by imputation on available country data for the last recorded year. Summation of values for individual EU states does not add up to this total because the values represent different years.

Missing data for some countries and years are marked with a dash (-).

3.7 Fatalities by transport mode and crash area

Table 28. Number of fatalities by mode of transport, crash area and by country for the last available year, moped and motorcycle

country	year	moped				motorcycle			
		urban	rural	motorway	unknown	urban	rural	motorway	unknown
Belgium	2019	8	11	0	0	29	50	5	0
Bulgaria	2019	0	2	-	-	5	0	-	-
Czechia	2019	2	0	0	-	20	62	2	-
Denmark	2019	6	7	-	-	9	17	1	-
Germany	2019	23	40	0	-	101	406	35	-
Estonia	2019	0	1	-	-	2	1	-	-
Ireland	2016	-	-	-	-	9	12	1	-
Greece	2019	12	7	-	-	137	77	14	-
Spain	2019	22	26	1	-	126	220	71	-
France	2019	68	62	4	-	219	364	32	-
Croatia	2019	5	4	-	-	16	28	2	-
Italy	2019	55	33	0	-	317	350	31	-
Cyprus	2018	2	-	-	-	8	5	1	-
Latvia	2019	0	1	-	-	1	0	-	-
Lithuania	2015	-	-	-	3	-	-	-	13
Luxembourg	2019	1	0	-	-	1	2	0	-
Hungary	2019	5	5	-	-	22	41	1	-
Malta	2018	0	0	-	-	6	2	-	-
Netherlands	2019	20	15	-	0	14	24	7	0
Austria	2019	7	5	0	-	16	62	1	-
Poland	2019	40	47	-	-	134	158	3	-
Portugal	2018	34	8	0	-	69	33	10	-
Romania	2019	13	5	-	-	36	14	1	-
Slovenia	2019	3	0	-	-	3	16	1	-
Slovakia	2019	1	1	0	-	-	-	-	-
Finland	2019	1	2	-	-	7	17	1	-
Sweden	2019	2	3	0	1	7	19	2	1
European Union	2019	330	285	9	4	1 327	1 993	226	14
Iceland	2019	0	-	-	-	0	1	-	-
Norway	2019	0	0	-	0	1	15	-	0
Switzerland	2019	0	5	-	-	7	21	2	-

Data were available for all countries except Liechtenstein.

Missing data for some countries are marked with a dash (-).

EU totals were derived by imputation on available country data for the last recorded year.

Summation of values for individual EU states does not add up to this total because the values represent different years.

Table 29. Number of fatalities by crash area and by country for 2019, car and lorry

country	year	car				lorry under 3,5 ton			
		urban	rural	motorway	unknown	urban	rural	motorway	unknown
Belgium	2019	80	151	75	0	2	7	8	0
Bulgaria	2019	57	263	28	-	0	0	0	-
Czechia	2019	50	259	20	-	1	11	1	-
Denmark	2019	13	68	6	-	1	5	3	-
Germany	2019	192	973	199	-	5	34	33	-
Estonia	2019	2	18	-	-	-	-	-	-
Greece	2019	79	94	29	-	17	30	2	-
Spain	2019	62	432	147	-	6	54	26	-
France	2019	277	1 205	140	-	11	69	18	-
Croatia	2019	67	64	10	-	6	1	0	-
Italy	2019	381	853	177	-	9	34	27	-
Latvia	2019	13	49	-	-	1	7	-	-
Luxembourg	2019	0	13	3	-	0	0	0	-
Hungary	2019	35	208	30	-	6	22	3	-
Netherlands	2019	47	141	51	1	3	9	10	0
Austria	2019	17	163	20	-	1	6	3	-
Poland	2019	318	970	45	-	16	57	11	-
Romania	2019	312	352	18	-	27	37	10	-
Slovenia	2019	4	21	3	-	0	1	1	-
Slovakia	2019	24	93	7	-	1	10	0	-
Finland	2019	7	113	3	-	0	9	1	-
Sweden	2019	9	80	12	2	2	21	3	0
European Union	2019	2 156	6 800	1 060	153	132	467	173	1
Iceland	2019	0	3	-	-	0	0	-	-
Norway	2019	5	56	-	0	2	3	-	0
Switzerland	2019	11	37	17	-	0	6	2	-

Data for Ireland, Cyprus, Lithuania, Malta, Portugal, Liechtenstein was not available.

EU totals were derived by imputation on available country data for the last recorded year. Summation of values for individual EU states does not add up to this total because the values represent different years.

Missing data for some countries are marked with a dash (-).

Table 30. Number of fatalities by crash area and by country for 2019, heavy goods vehicle and bus/coach

country	year	heavy goods vehicle				bus or coach			
		urban	rural	motorway	unknown	urban	rural	motorway	unknown
Belgium	2019	1	1	8	1	1	0	0	0
Bulgaria	2019	0	0	-	-	2	1	0	-
Czechia	2019	3	7	7	-	2	1	0	-
Denmark	2019	0	1	1	-	0	0	0	-
Germany	2019	5	12	63	-	3	2	2	-
Estonia	2019	0	5	-	-	2	0	-	-
Greece	2019	1	2	1	-	0	0	0	-
Spain	2019	2	22	31	-	2	0	1	-
France	2019	4	14	18	-	2	1	1	-
Croatia	2019	0	0	1	-	0	0	0	-
Italy	2019	2	17	48	-	4	0	1	-
Latvia	2019	0	3	-	-	0	0	-	-
Luxembourg	2019	0	0	0	-	0	0	0	-
Hungary	2019	1	7	4	-	1	0	0	-
Netherlands	2019	0	1	4	0	0	0	0	-
Austria	2019	0	1	1	-	0	0	1	-
Poland	2019	3	19	4	-	9	1	0	-
Romania	2019	1	3	1	-	8	18	1	-
Slovenia	2019	0	1	1	-	0	1	0	-
Slovakia	2019	0	1	0	-	0	12	0	-
Finland	2019	1	2	0	-	0	0	0	-
Sweden	2019	0	2	1	0	0	0	0	0
European Union	2019	25	129	195	4	36	40	7	2
Iceland	2019	0	0	-	-	0	0	-	-
Norway	2019	1	3	-	0	0	1	-	-
Switzerland	2019	0	2	0	-	0	1	0	-

Data for Ireland, Cyprus, Lithuania, Malta, Portugal, Liechtenstein was not available.

EU totals were derived by imputation on available country data for the last recorded year. Summation of values for individual EU states does not add up to this total because the values represent different years.

Missing data for some countries are marked with a dash (-).

Table 31. Number of fatalities by crash area and by country for the last available year, agricultural tractor

		agricultural tractor			
country	year	urban	rural	motorway	unknown
Belgium	2019	0	3	0	-
Bulgaria	2019	0	0	-	-
Czechia	2019	0	0	-	-
Denmark	2019	0	0	-	-
Germany	2019	6	13	0	-
Estonia	2019	0	1	-	-
Greece	2019	4	8	0	-
Spain	2019	4	13	0	-
France	2019	4	10	-	-
Croatia	2019	7	2	-	-
Italy	2019	1	15	0	-
Latvia	2019	0	5	-	-
Luxembourg	2019	0	0	-	-
Netherlands	2019	0	-	-	-
Austria	2019	0	5	-	-
Poland	2019	5	5	0	-
Romania	2019	13	1	-	-
Slovenia	2019	2	0	-	-
Slovakia	2019	0	1	-	-
Finland	2019	0	5	-	-
Sweden	2019	0	2	0	0
European Union	2019	68	97	1	0
Iceland	2019	0	0	-	-
Norway	2019	0	0	-	-
Switzerland	2019	0	1	0	-

Data for Ireland, Cyprus, Lithuania, Hungary, Malta, Portugal, Liechtenstein was not available. EU totals were derived by imputation on available country data for the last recorded year. Summation of values for individual EU states does not add up to this total because the values represent different years.

Missing data for some countries are marked with a dash (-).

4 Crash characteristics

4.1 Time of crash

4.1.1 Time of crash: monthly pattern

Table 32. Number of fatalities by month of crash and by country for the last available year

Country	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Belgium	2019	44	51	55	56	55	60	69	57	47	47	52	53
Bulgaria	2019	35	32	43	31	41	72	65	67	60	82	54	46
Czechia	2019	30	33	44	55	47	66	63	69	58	53	58	42
Denmark	2019	12	7	13	11	19	18	20	26	14	25	21	13
Germany	2019	212	195	234	239	253	343	270	320	275	276	200	229
Estonia	2019	8	1	5	4	5	7	4	7	3	1	6	1
Ireland	2016	15	9	17	14	20	12	19	13	17	20	9	17
Greece	2019	44	39	39	50	65	74	70	80	70	63	43	51
Spain	2019	132	136	161	115	142	116	195	150	146	165	143	154
France	2019	238	254	254	235	242	292	326	290	310	257	255	284
Croatia	2019	22	14	12	26	24	29	24	28	30	35	16	37
Italy	2019	233	209	307	208	227	350	338	300	255	268	222	256
Cyprus	2018	3	4	5	0	8	5	3	3	4	7	6	1
Latvia	2019	7	11	11	9	15	13	11	10	7	11	15	12
Lithuania	2015	21	22	12	15	12	20	13	22	16	29	31	29
Luxembourg	2019	0	0	2	0	4	2	1	2	4	2	0	5
Hungary	2019	36	51	40	37	39	42	48	64	62	75	58	50
Malta	2018	1	0	3	5	1	3	1	2	0	1	0	1
Netherlands	2019	42	43	45	51	40	55	48	47	53	61	47	54
Austria	2019	20	20	24	40	37	56	39	54	33	36	30	27
Poland	2019	193	214	215	228	224	267	279	265	259	291	209	265
Portugal	2018	54	45	44	43	53	48	65	79	76	68	51	74
Romania	2019	115	117	118	109	104	164	167	208	168	188	189	217
Slovenia	2019	10	6	9	12	6	13	9	3	7	8	10	9
Slovakia	2019	16	16	19	17	15	29	26	22	27	24	31	28
Finland	2019	14	14	14	16	19	25	25	22	24	17	9	12
Sweden	2019	27	17	10	16	19	19	20	25	15	23	13	17
European Union	2019	1 584	1 560	1 755	1 642	1 736	2 200	2 218	2 235	2 040	2 133	1 778	1 984
Iceland	2019	0	0	0	1	0	2	0	0	1	1	1	0
Norway	2019	7	2	7	13	10	11	6	9	10	11	8	14
Switzerland	2019	9	10	10	14	13	20	17	22	18	17	19	18

Data for Liechtenstein was not available.

EU totals were derived by imputation on available country data for the last recorded year. Summation of values for individual EU states does not add up to this total because the values represent different years.

4.1.2 Time of crash: weekly pattern

Table 33. Weekly pattern in fatalities by country for the last available year

Country	Year	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Belgium	2019	86	73	87	85	100	109	106
Bulgaria	2019	94	73	77	95	98	78	113
Czechia	2019	104	75	75	97	90	91	86
Denmark	2019	24	22	28	29	35	37	24
Germany	2019	402	432	437	394	458	459	464
Estonia	2019	10	8	7	5	5	10	7
Ireland	2016	19	28	24	31	15	28	37
Greece	2019	103	80	82	78	108	99	138
Spain	2019	201	220	230	216	246	333	309
France	2019	410	373	429	447	527	560	491
Croatia	2019	37	34	36	43	48	46	53
Italy	2019	421	413	427	420	409	567	516
Cyprus	2018	4	3	2	11	7	8	14
Latvia	2019	21	18	20	13	8	29	23
Lithuania	2015	32	36	25	24	33	51	41
Luxembourg	2019	3	1	3	3	4	5	3
Hungary	2019	89	79	67	89	120	77	81
Malta	2018	3	1	2	2	2	3	5
Netherlands	2019	86	83	70	76	85	88	98
Austria	2019	55	53	46	71	64	65	62
Poland	2019	436	382	393	367	426	485	420
Portugal	2018	110	66	93	90	93	127	121
Romania	2019	260	242	233	255	279	295	300
Slovenia	2019	17	19	14	11	16	17	8
Slovakia	2019	34	28	42	38	48	47	33
Finland	2019	33	36	35	29	30	26	22
Sweden	2019	34	28	20	32	38	42	27
European Union	2019	3 128	2 906	3 004	3 051	3 392	3 782	3 602
Iceland	2019	0	1	0	2	0	1	2
Norway	2019	15	10	13	22	20	11	17
Switzerland	2019	20	13	29	23	43	29	30

Data for Liechtenstein was not available.

EU totals were derived by imputation on available country data for the last recorded year. Summation of values for individual EU states does not add up to this total because the values represent different years.

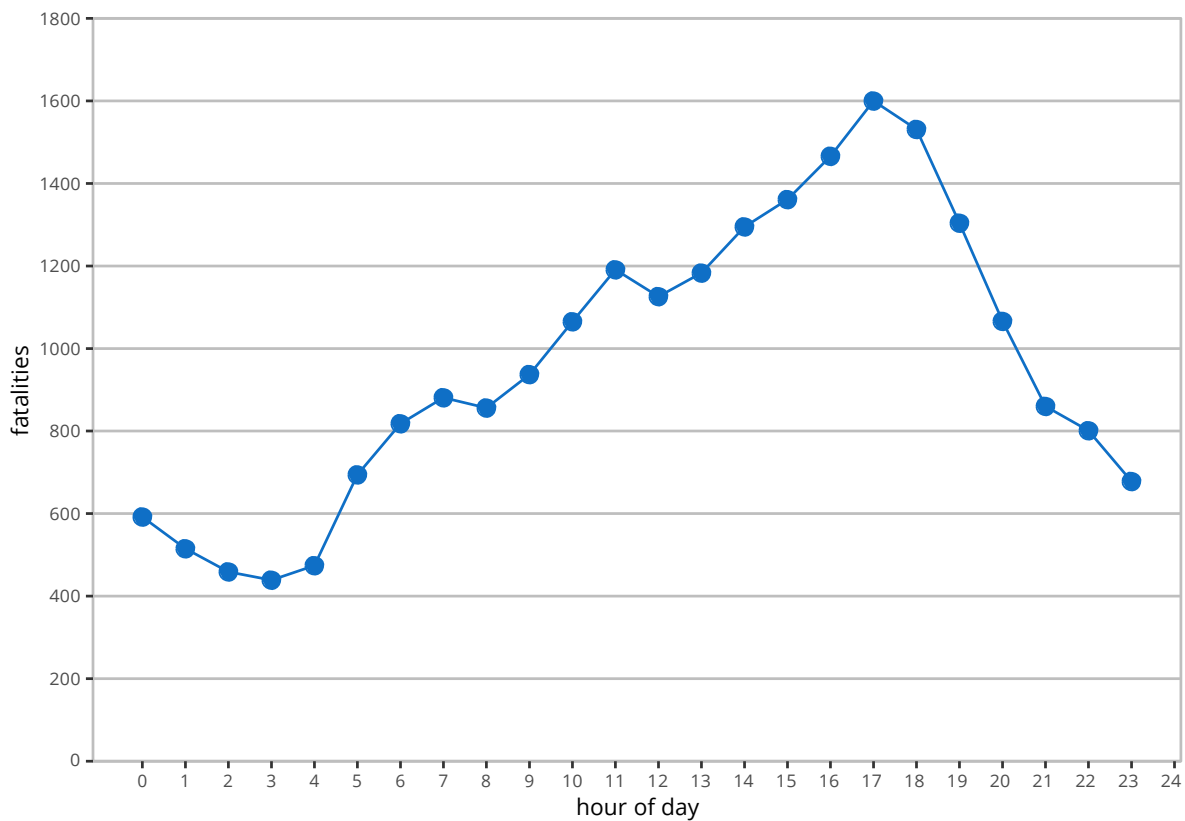
4.1.3 Time of crash: diurnal pattern

Table 34. Diurnal pattern in fatalities by country for the last available year

Country	Year	0-2h	3-5h	6-8h	9-11h	12-14h	15-17h	18-20h	21-23h
Belgium	2019	66	56	62	91	99	126	87	58
Bulgaria	2018	44	35	74	93	92	128	81	63
Czechia	2018	33	63	78	96	113	135	86	45
Denmark	2019	12	14	14	28	31	56	24	20
Germany	2019	154	176	318	467	594	675	422	240
Estonia	2018	2	2	5	9	12	12	17	8
Ireland	2016	20	14	14	22	19	39	26	28
Greece	2018	54	57	85	96	112	108	100	88
Spain	2018	115	104	222	277	275	264	328	221
France	2018	236	223	386	434	441	659	578	289
Croatia	2019	27	25	21	34	48	60	43	39
Italy	2019	281	233	312	470	447	500	606	323
Cyprus	2018	6	5	5	1	11	7	9	5
Latvia	2019	11	3	16	20	15	23	24	20
Lithuania	2015	18	9	19	26	36	55	57	22
Luxembourg	2019	4	2	1	2	4	1	4	4
Hungary	2019	27	47	93	93	81	124	83	54
Malta	2018	2	2	4	1	1	6	0	2
Netherlands	2019	42	47	51	86	119	101	72	65
Austria	2019	19	21	51	54	78	88	67	38
Poland	2019	151	225	305	343	464	601	496	324
Portugal	2018	57	27	96	97	99	122	142	60
Romania	2019	107	132	228	218	230	313	394	242
Slovenia	2019	7	8	10	9	21	22	15	10
Slovakia	2018	13	28	28	33	30	62	44	22
Finland	2018	27	15	23	42	50	32	33	17
Sweden	2018	16	17	25	43	65	84	45	21
European Union	2019	1 566	1 607	2 555	3 193	3 604	4 427	3 901	2 339
Iceland	2019	0	0	0	1	1	3	0	1
Norway	2017	8	4	9	18	28	20	11	8
Switzerland	2019	7	14	15	32	37	44	27	11

EU totals were derived by imputation on available country data for the last recorded year. Summation of values for individual EU states does not add up to this total because the values represent different years.

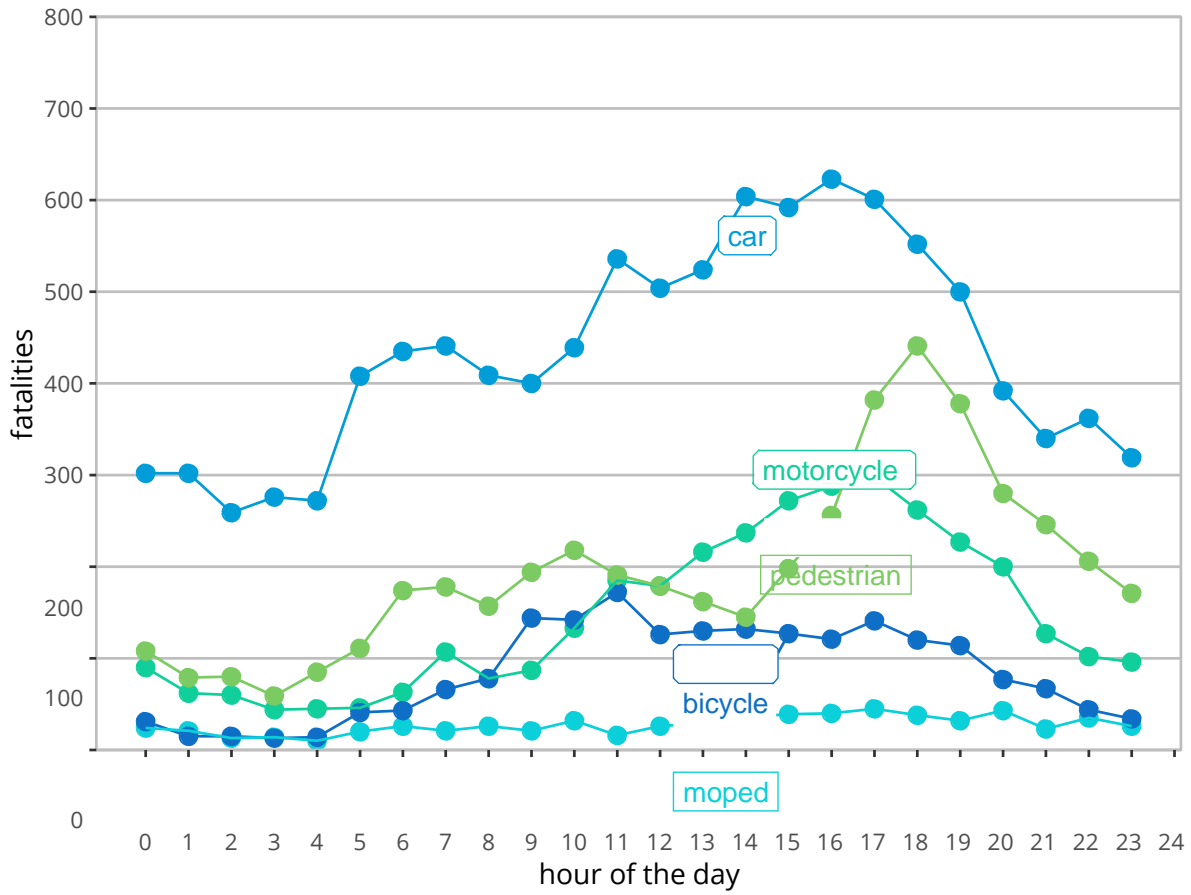
Figure 6. Number of fatalities by hour of day in the European Union⁵ 2019



⁵data, pivot table and graphs for all countries can be found in the corresponding Excel workbook on this website.

4.1.4 Diurnal crash pattern by transport mode

Figure 7. Diurnal pattern in the number of fatalities by transport modes for the European Union⁶ 2019



⁶data, pivot table and graphs for all countries and transport modes can be found in the corresponding Excel workbook on this website.

4.2 Crashes by junction type

Table 35. Crashes by type of junction (percentage of crashes resulting in fatalities) by country for the last available year

Country	Year	Junction type							Other/Unknown
		Not at jct	Crossroad	Multiple jct	Roundabout	T/staggered jct	Level crossing	Interchange	
Belgium	2019	82	16	-	2	-	0	-	0
Bulgaria	2019	82	7	0	0	6	-	4	0
Czechia	2019	79	9	-	0	9	3	-	0
Denmark	2019	76	9	-	4	8	-	1	4
Germany	2019	78	-	-	-	-	-	-	22
Estonia	2019	83	10	0	0	6	2	-	0
Ireland	2016	82	7	-	2	8	-	-	2
Greece	2019	93	-	-	-	-	-	-	7
Spain	2019	79	6	0	3	8	0	-	3
France	2019	81	7	0	2	7	0	-	3
Croatia	2019	89	7	-	0	3	1	0	-
Italy	2019	82	8	-	1	9	0	-	-
Cyprus	2018	71	4	-	2	20	-	-	2
Latvia	2019	91	-	-	-	-	-	-	9
Lithuania	2015	88	-	-	-	-	-	-	12
Luxembourg	2019	95	0	0	0	5	0	0	-
Hungary	2019	82	11	0	0	6	-	-	0
Malta	2018	78	0	-	6	0	-	-	17
Netherlands	2019	66	26	-	2	-	1	-	6
Austria	2019	82	10	-	1	7	-	-	0
Poland	2019	82	-	-	0	-	1	-	16
Portugal	2018	84	4	-	1	8	-	2	1
Romania	2019	89	11	-	-	-	1	-	-
Slovenia	2019	91	-	-	0	-	1	-	8
Slovakia	2019	88	3	0	0	9	-	-	0
Finland	2019	83	-	-	0	-	1	-	15
Sweden	2019	76	16	-	0	0	-	3	4
European Union	2019	82	6	0	1	4	0	0	7
Iceland	2019	100	0	-	0	0	-	0	-
Switzerland	2019	-	13	-	0	-	-	-	87

Data for Liechtenstein, Norway was not available.

EU totals are the sum of available country data.

Categories by country may not add up to 100% due to rounding.

Missing data for some countries are marked with a dash (-).

4.3 Crash conditions

4.3.1 Weather conditions

Table 36. Crash conditions: weather at the time of the crash (percentage of crashes resulting in fatalities) by country for the last available year

Country	Year	Dry / Clear	Rain	Sleet, Hail	Fog, Mist, Smoke	Snow	Snow or Sleet, Hail	Severe winds	Other	Unknown
Belgium	2018	87	7	-	1	1	-	1	1	3
Bulgaria	2018	84	10	1	3	3	-	-	-	-
Czechia	2018	85	10	1	1	1	-	-	2	-
Denmark	2019	82	15	-	1	-	-	2	-	1
Germany	2018	-	-	-	0	-	-	0	2	98
Estonia	2018	56	36	-	3	2	-	2	-	2
Ireland	2016	80	16	1	3	-	-	-	-	-
Greece	2018	89	9	-	-	-	-	1	2	-
Spain	2018	83	9	0	3	0	-	1	-	4
France	2018	85	11	-	2	-	1	0	1	0
Croatia	2019	84	11	-	-	3	-	-	2	-
Italy	2018	84	8	0	1	0	-	0	6	-
Cyprus	2018	93	7	-	-	-	-	-	-	-
Latvia	2019	85	12	-	1	3	-	-	-	-
Lithuania	2015	84	9	5	-	-	-	1	-	1
Luxembourg	2019	73	23	-	-	-	-	5	-	-
Hungary	2019	90	8	-	2	1	-	-	-	-
Malta	2018	94	-	-	-	-	-	-	-	6
Netherlands	2019	81	10	-	1	0	-	0	-	8
Austria	2019	84	13	-	1	3	-	0	-	-
Poland	2019	66	12	-	1	2	-	1	18	-
Portugal	2018	83	16	-	1	-	-	-	-	0
Romania	2019	89	8	-	2	1	-	0	-	-
Slovenia	2018	89	8	-	1	-	-	-	-	2
Slovakia	2018	83	11	2	1	2	-	-	1	-
Finland	2018	80	6	1	0	2	-	-	-	10
Sweden	2018	78	9	1	3	3	-	-	-	6
European Union	2019	78	11	-	1	1	-	0	8	1
Iceland	2019	50	33	-	-	-	-	-	-	17
Norway	2017	54	8	-	2	6	-	-	25	5
Switzerland	2018	64	6	-	3	3	-	-	24	-

EU totals are the sum of available country data.

Categories by country may not add up to 100% due to rounding.

Missing data for some countries and years are marked with a dash (-).

4.3.2 Light conditions

Table 37. Crash conditions: light at the time of the crash (percentage of crashes resulting in fatalities) by country for the last available year.

Country	Year	Daylight		Dark, street lights:				
		Daylight	Twilight	Lights lit	Lights unlit	No lights	None/unlit	Unknown
Belgium	2018	59	5	26	6	-	3	1
Bulgaria	2018	64	3	9	-	23	-	-
Czechia	2018	65	5	11	19	-	-	-
Denmark	2019	62	4	15	-	19	-	1
Germany	2018	68	5	-	-	-	-	27
Estonia	2018	72	-	8	3	16	-	2
Ireland	2016	56	-	13	2	28	-	-
Greece	2018	59	5	25	1	9	-	-
Spain	2018	60	7	11	3	19	-	-
France	2018	59	7	9	1	24	-	-
Croatia	2019	54	5	24	2	15	-	0
Cyprus	2018	52	-	41	-	7	-	-
Latvia	2019	46	8	9	-	37	-	-
Lithuania	2015	-	6	13	1	29	-	51
Luxembourg	2019	36	5	14	23	23	-	-
Hungary	2019	61	3	17	0	19	-	-
Malta	2018	53	-	41	-	-	-	6
Netherlands	2019	63	5	20	-	9	-	4
Austria	2019	62	5	9	24	-	-	-
Poland	2019	56	9	15	-	21	-	-
Portugal	2018	63	4	18	-	16	-	-
Romania	2019	52	7	21	3	17	-	-
Slovenia	2018	59	10	-	-	-	-	31
Slovakia	2018	56	8	11	-	25	-	-
Finland	2018	60	9	12	-	-	18	1
Sweden	2018	64	6	8	-	16	-	6
European Union	2019	56	7	17	2	17	-	0
Iceland	2019	50	17	-	-	17	-	17
Norway	2017	65	5	15	-	10	-	6
Switzerland	2018	68	-	-	-	-	-	32

Data for Italy was not available.

Categories 'Unknown' and 'Darkness street lights unknown' are grouped as 'Unknown'

EU percentages are calculated on the sum of available country data.

Missing data for some countries and years are marked with a dash (-).

5 List of figures

1	Road crashes, fatalities and injured people in the European Union.	3
2	Fatalities per million inhabitants in the EU, 2019 compared to 2010.....	4
3	Long-term change in the number of crashes leading to injury or death in the 27 EU countries and 3 EFTA countries (2010-2019), reference year 2010.....	5
4	Long-term change in the number of road fatalities in the 27 EU countries and 3 EFTA countries (2010-2019), reference year 2010	6
5	Relative number of fatalities by selected countries 2010-2019.....	9
6	Number of fatalities by hour of day in the European Union 2019	42
7	Diurnal pattern in the number of fatalities by transport modes for the European Union 2019.....	43

6 List of tables

1	Annual number of crashes resulting in injuries or death by country 2010-2019 . .	7
2	Annual number of fatalities by country 2010-2019	8
3	Annual number of fatal accidents by country 2010-2019.....	10
4	Annual number of seriously injured by country 2010-2019.....	11
5	Annual number of pedestrian fatalities by country 2010-2019.....	12
6	Annual number of bicycle fatalities by country 2010-2019.....	13
7	Annual number of moped fatalities by country 2010-2019	14
8	Annual number of motorcycle fatalities by country 2010-2019	15
9	Annual number of car fatalities by country 2010-2019.....	16
10	Annual number of heavy goods vehicle (>3,5t) fatalities by country 2010-2019 . .	17
11	Annual number of lorry fatalities by country 2010-2019.....	18
12	Annual number of bus and coach fatalities by country 2010-2019	19
13	Annual number of fatalities by age group and by country for 2010 and 2019 . . .	20
14	Number of pedestrian fatalities by age group and by country for the last available year	21
15	Number of cyclist fatalities by age group and by country for the last available year	22
16	Number of moped fatalities by age group and by country for the last recorded year	23
17	Number of motorcycle fatalities by age group and by country for the last available year	24
18	Number of car fatalities by age group and by country for the last available year .	25
19	Annual number of male fatalities by country 2010-2019	26
20	Annual number of female fatalities by country 2010-2019.....	27
21	Annual number of female car fatalities by country 2010-2019	28
22	Annual number of male car driver fatalities by country 2010-2019.....	29
23	Annual number of female car passenger fatalities by country 2010-2019	30
24	Annual number of male car passenger fatalities by country 2010-2019.....	31
25	Number of female fatalities by age group and by country for the last available year	32
26	Number of male fatalities by age group and by country for the last available year	33
27	Number of fatalities by crash area and by country for the last available year, pedestrians and cyclists	34
28	Number of fatalities by mode of transport, crash area and by country for the last available year, moped and motorcycle	35

29	Number of fatalities by crash area and by country for 2019, car and lorry.....	36
30	Number of fatalities by crash area and by country for 2019, heavy goods vehicle and bus/coach	37
31	Number of fatalities by crash area and by country for the last available year, agri-cultural tractor	38
32	Number of fatalities by month of crash and by country for the last available year	39
33	Weekly pattern in fatalities by country for the last available year	40
34	Diurnal pattern in fatalities by country for the last available year	41
35	Crashes by type of junction (percentage of crashes resulting in fatalities) by country for the last available year	44
36	Crash conditions: weather at the time of the crash (percentage of crashes result- ing in fatalities) by country for the last available year	45
37	Crash conditions: light at the time of the crash (percentage of crashes resulting in fatalities) by country for the last available year.....	46

7 Definitions

The CARE glossary provides short definitions for variables used in the database and in this report.

ACCIDENT / CRASH

Definition: any accident involving at least one road vehicle in motion on a public road or private road to which the public has right of access, resulting in at least one injured or killed person (Source: UNECE/ITF/Eurostat Glossary).

Note: the definition of "injury" varies considerably among EU countries thus affecting the reliability of cross country comparisons.

CRASH AREA TYPE

Definition: the variable indicates the crash area: "Motorway", "Urban Area" and "Rural area". Some manipulation rules are adopted to filter unknown data.

AGE (of person)

Definition: the age (in years and months) of the person is filled in, derived from the date of birth.

BICYCLE/PEDAL CYCLE

Definition: vehicle with at least 2 wheels, without engine. In some cases it can also use electric power.

BUS OR COACH

Definitions Bus: passenger-carrying vehicle, most commonly used for public transport, having more than 16 seats for passengers. Coach: passenger-carrying vehicle, having more than 16 seats for passengers. Most commonly used for interurban movements and touristic trips.

CAR

Definition: motor vehicle with 3 or 4 wheels, mainly used to transport people, seating for no more than 8 occupants. Motor vehicles with these characteristics that are used as taxis as well as motor caravans are also included.

CROSSROAD

Definition: road intersection with four arms. Includes arm sections within 20m distance.

DRIVER

Definition: person driving or riding any motorised vehicle or bicycle. Includes person riding an animal.

FATAL CRASH

Definition: crash with at least one person killed regardless the injury severity of any other persons involved.

FATALITIES

Definition: total number of persons fatally injured; correction factors applied when needed. Death within 30 days of the road crash are included. Confirmed suicides and natural deaths are not included.

FEMALE

Definition: on the basis of identification documents/ personal ID number or determined by the police.

HEAVY GOODS VEHICLE

Definition: includes road tractor, road tractor with semi trailer, lorry over 3,5 tonnes. Motor vehicle with at least four wheels, with a permissible gross vehicle weight of over 3,5 tonnes, used only for the transport of goods. With or without a trailer. Type C driving licence required.

HOUR OF DAY

Definition: period of 60 minutes (24-hour notation) of the crash time.

INJURY SEVERITY

Definition: indicates to what extent a person (driver, passenger or pedestrian) was injured or not during a road crash. The CARE database contains data based on national definitions of 'serious injury' and is often subject to the judgement of the police records. The recommended definition is where the person required 24 hours hospitalisation. Values: Fatally injured, Seriously injured, Slightly injured, Not injured, Unknown.

JUNCTION TYPE

Definition: if the crash occurred at a junction, this variable indicates whether the crash occurred at an at-grade junction or at an interchange and the type of junction / interchange. Values: Not at junction, At-grade - crossroad, At-grade - roundabout, At-grade - T or staggered junction, At-grade - multiple junction, Not at grade (interchange), Other, At level crossing, Unknown, At a junction-Not specified.

LORRY, LESS THAN 3,5 TONNES

Definition: goods vehicle under 3,5t maximum gross weight. Smaller motor vehicle used only for the transport of goods.

MALE

Definition: on the basis of identification documents/ personal ID number or determined by the police.

MONTH

Definition: calendar month of the crash date.

MOPED

Definition: two or three wheeled vehicle equipped with internal combustion engine, with size less than 50 cc and maximum speed that does not exceed 45 km/h. The minimum age at which a road user can drive a moped differs between countries.

MOTORCYCLE

Definition: motor vehicle with two or three wheels, with an engine size of more than 50 cc. With a trailer possible. With a sidecar possible. Type A driving license required.

MOTORWAY

Definition: public road with dual carriageways, and at least two lanes each way. Entrance and exit signposted. Road with grade separated interchanges. Road with a central barrier or central reservation. No crossing permitted. No stopping permitted unless in an emergency. Entry prohibited for pedestrians, animals, bicycles, mopeds, agricultural vehicles.

NOT AT JUNCTION

Definition: the crash has not occurred at a junction (or it has occurred at a distance greater than 20m from a junction).

PASSENGER

Definition: person on or in a vehicle, who is not the driver. Includes person in the act of boarding or alighting from a vehicle.

PEDESTRIAN

Definition: person on foot; person pushing or holding bicycle, person who uses a wheelchair, a pram or a pushchair, leading or herding an animal, riding a toy cycle on the footway, person on roller skates, skateboard or skis. Does not include persons in the act of boarding or alighting from a vehicle.

ROAD USER TYPE

Definition: classifies the person involved in a road crash. Values: Driver, Passenger, Pedestrian, Unknown

ROUNDAABOUT

Definition: circular road. Includes sections leading to it, within 20-meter distance.

SERIOUSLY INJURED

Definition: total number of seriously injured persons corrected by correction factors when needed. Injured (although not killed) in the road crash and, in principle, hospitalised at least 24 hours within 30 days from the crash. The Commission is also working with Member States to collect data using the MAIS3+ classification which takes account of the severity of the injured person. See <https://www.safetycube-project.eu/wp-content/uploads/SafetyCube-D7.1-Leaflet.pdf>

TRAFFIC UNIT TYPE

Definition: indicates the type of traffic unit involved in the crash. Important to assess the variations in road crash risk for the various traffic unit types.

TRANSPORT MODE - TRANSPORT UNIT TYPE GROUP

Definition: grouping traffic unit types. These groups are mainly used in this report. values: agricultural tractor, bus or coach, car, heavy goods vehicle, lorry under 3.5 tonnes, moped, motorcycle, bicycle, pedestrian, other, unknown.

WEEKDAY - date of crash

Definition: 24-hour day within 7-day week. Note: data calculated by the CARE system from the date of crash, where data are not available in national files.