



European Road Safety Observatory

Annual statistical report on road safety in the EU
2022

Data up to and including
the year 2021

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1 Introduction

In 2021, road crashes in the Member States of the European Union claimed about 19 900 lives and left more than 0.9 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. EFTA member Liechtenstein has limited data and is therefore only included in a small number of tables.

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 for 2010 and the last 9 years ending on 2021. 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.

Calculation of reliable percentages, e.g. for tables 27-34, requires a minimum number of cases. Countries with less than 10 fatalities per year for a transport mode will not be shown in these tables.

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/>

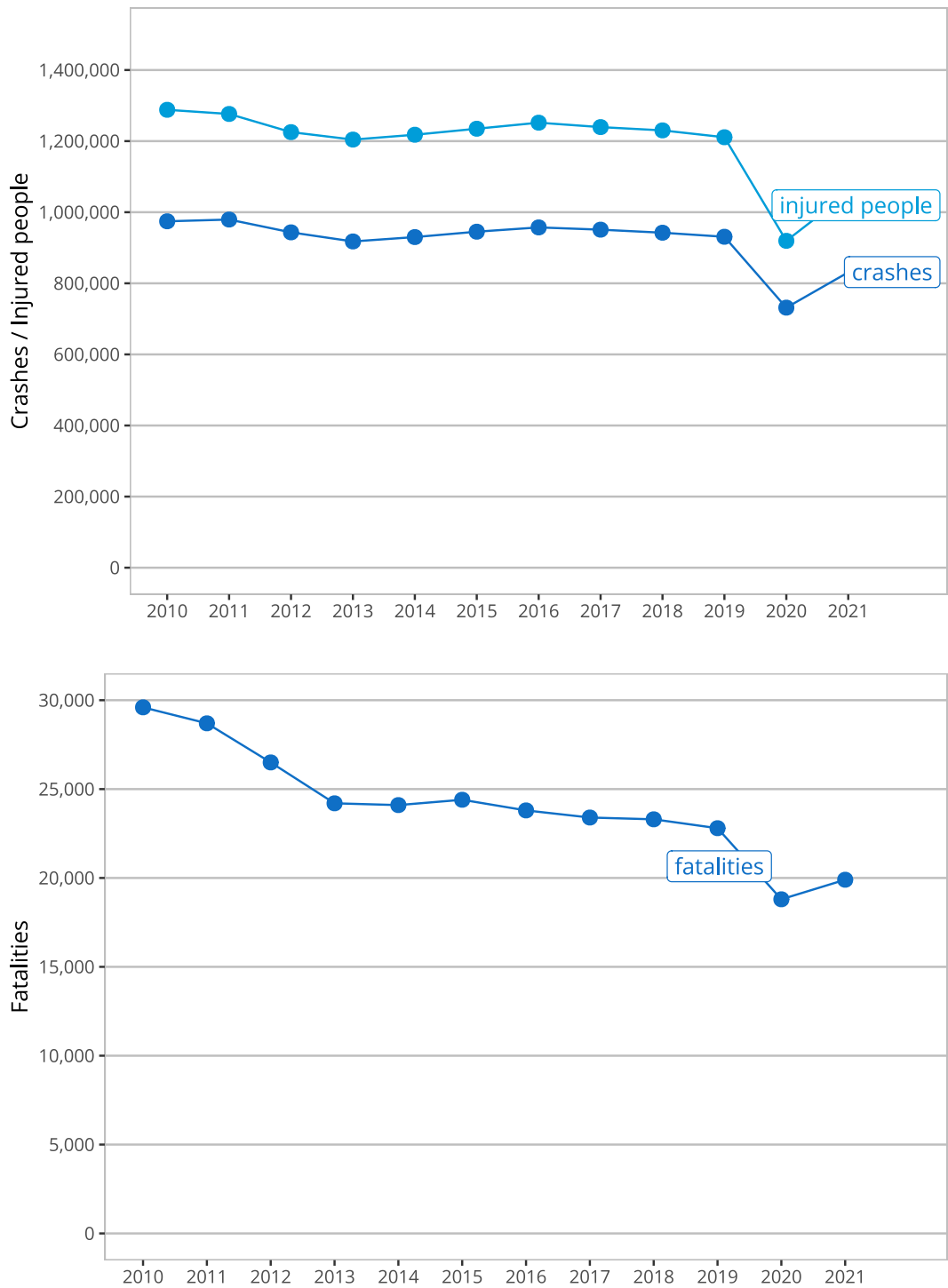
² A General-Purpose Package for Dynamic Report Generation in R
<https://www.rdocumentation.org/packages/knitr>

³ <https://git-scm.com/about>

2 Overview

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

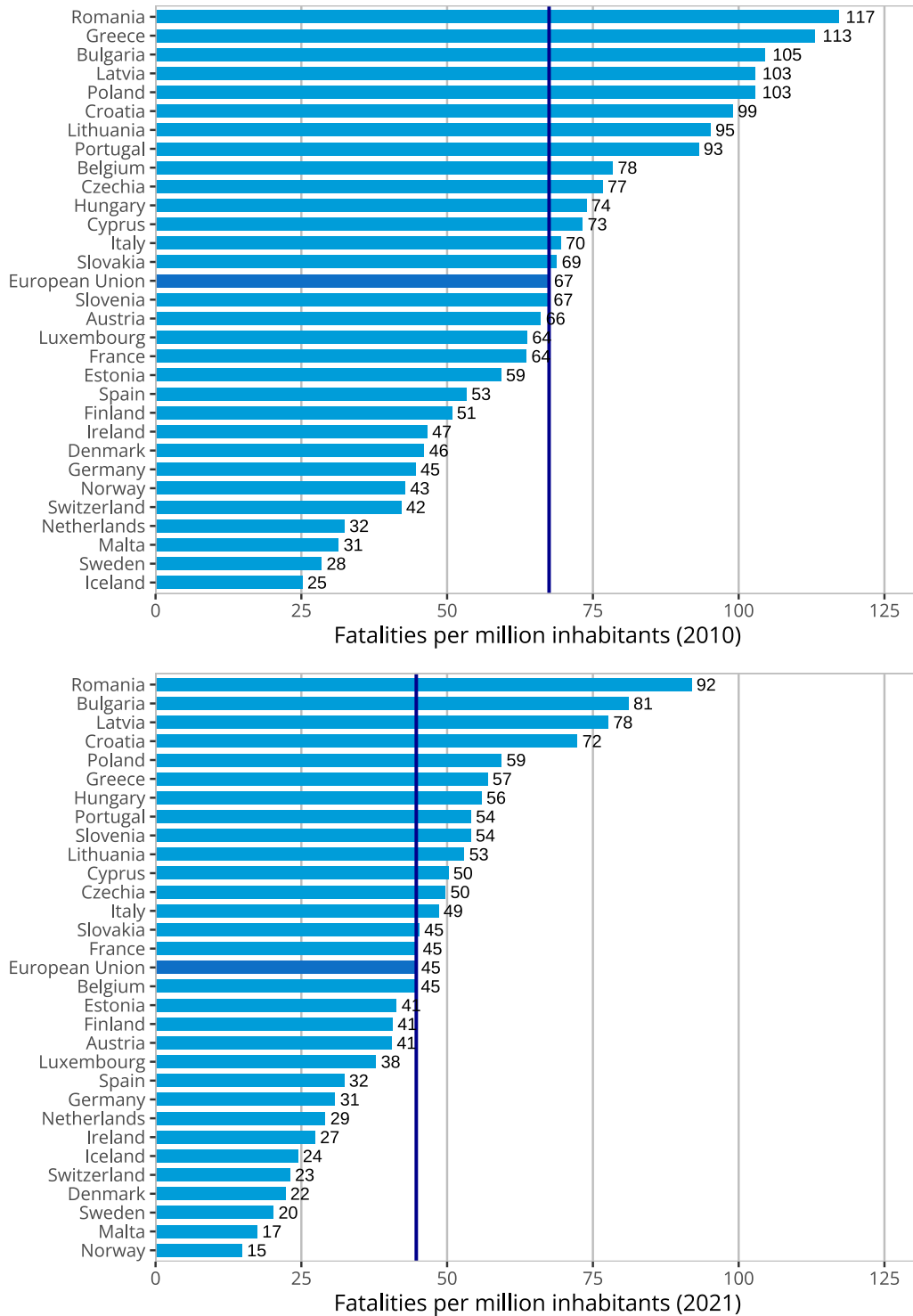
Figure 1. Road crashes, fatalities and injured people in the European Union.



2.2 Trends in individual countries

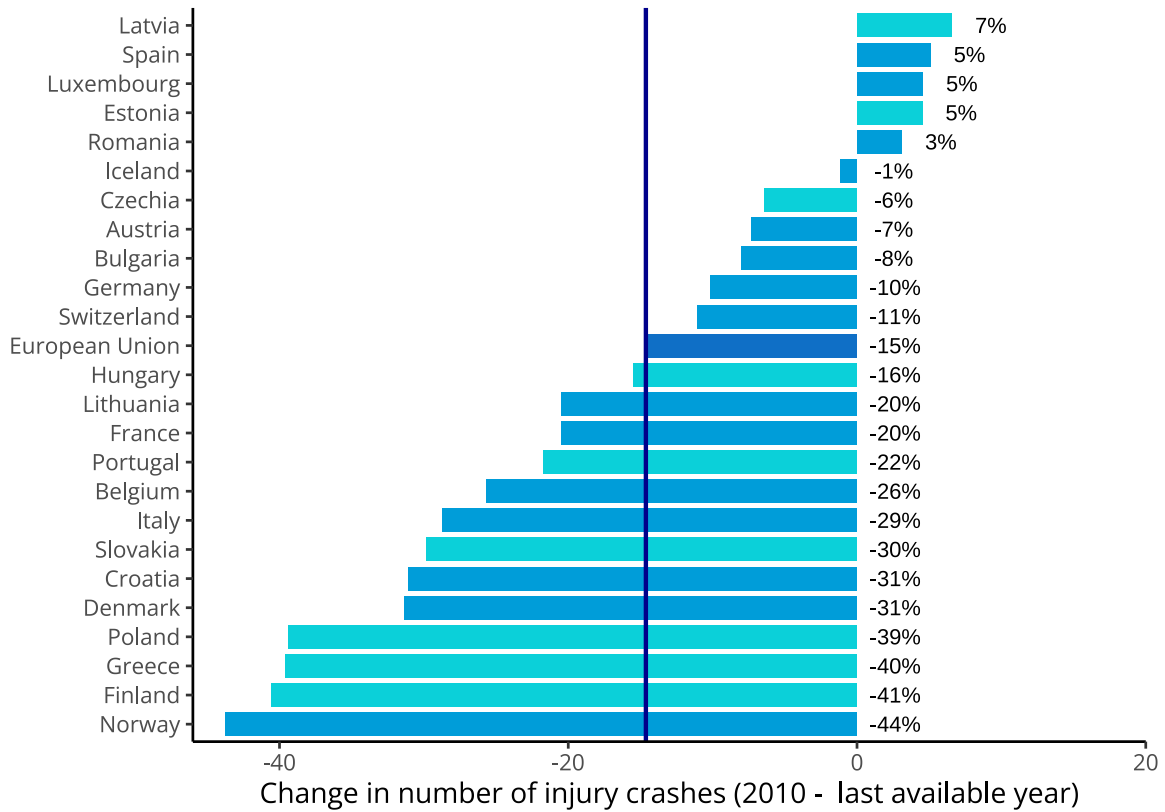
2.2.1 Mortality

Figure 2. Fatalities per million inhabitants in the EU, 2021 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 : 2021*)



Missing crash data for Ireland, Malta and Sweden in one or both of these years.

The number of crashes for Cyprus are too small to show reliable changes, the results were omitted from the graph.

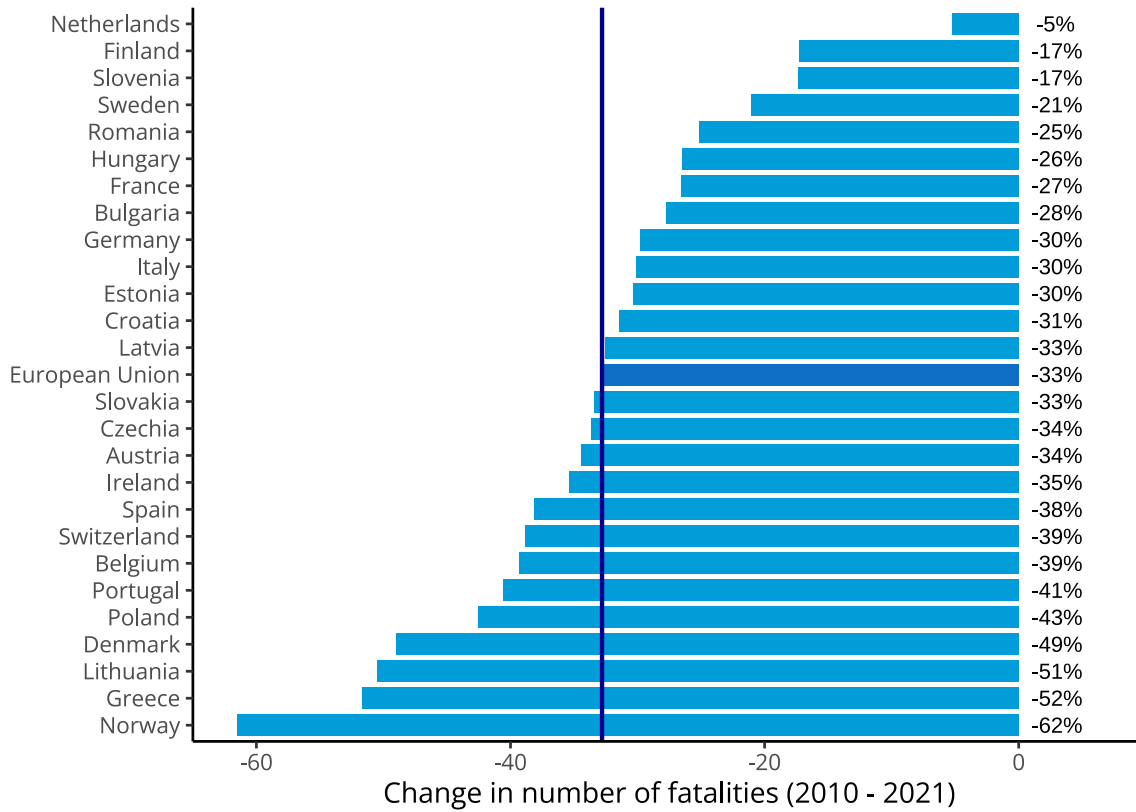
The total number of crashes in the EU for 2020 is still uncertain because it is based on data from a limited number of Member States.

The changes in the number of crashes for Netherlands (71%) and Slovenia (123%) were omitted from the graph to ensure readability.

* For countries with missing crash data in 2021 the reduction was calculated for period 2010-2020, these countries are depicted in cyan.

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 (2010-2021)



The change in the number of fatalities for Cyprus (-25%), Iceland (12%), Luxembourg (-25%) and Malta (-31%) 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, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	46 603	42 133	42 447	41 259	41 154	40 599	38 455	37 699	30 232	34 640
Bulgaria	6 610	7 016	7 019	7 226	7 404	6 888	6 684	6 730	5 710	6 080
Czechia	19 675	20 342	21 054	21 561	21 387	21 263	21 890	20 806	18 419	-
Denmark	3 498	2 984	2 881	2 853	2 882	2 789	2 964	2 808	2 527	2 402
Germany	288 297	291 105	302 435	305 659	308 145	302 656	308 721	300 143	264 499	258 987
Estonia	1 348	1 382	1 436	1 391	1 467	1 405	1 474	1 413	1 409	-
Ireland	5 779	4 976	5 796	5 831	5 877	6 004	-	-	-	-
Greece	15 032	12 109	11 690	11 440	11 318	10 848	10 737	10 712	9 083	-
Spain	85 503	89 519	91 570	97 756	102 362	102 233	102 299	104 080	72 959	89 862
France	67 288	56 812	58 191	56 600	57 515	58 609	55 762	56 006	45 117	53 521
Croatia	13 274	11 228	10 607	11 038	10 779	10 939	10 450	9 694	7 709	9 146
Italy	212 997	181 660	177 031	174 539	175 791	174 933	172 553	172 183	118 298	151 875
Cyprus	1 198	774	758	660	650	608	499	490	341	-
Latvia	3 193	3 489	3 728	3 692	3 792	3 875	3 975	3 729	3 403	-
Lithuania	3 530	3 391	3 256	3 031	3 186	3 051	2 925	3 189	2 826	2 808
Luxembourg	876	949	908	983	941	955	947	987	771	916
Hungary	16 308	15 691	15 847	16 331	16 627	16 489	16 951	16 627	13 778	-
Malta	577	1 208	1 449	1 377	1 437	1 497	1 346	1 342	-	-
Netherlands	10 778	9 522	13 358	18 523	18 749	18 706	19 270	19 046	17 043	18 449
Austria	35 348	38 502	37 957	37 960	38 466	37 402	36 846	35 736	30 670	32 774
Poland	38 832	35 847	34 970	32 967	33 664	32 760	31 674	30 288	23 540	-
Portugal	35 426	30 339	30 604	31 953	32 299	34 416	35 816	37 251	27 725	-
Romania	25 995	24 827	25 355	28 944	30 751	31 106	30 202	31 146	22 806	26 805
Slovenia	7 659	6 568	6 263	6 578	6 494	6 185	6 013	6 023	4 776	17 050
Slovakia	6 131	5 111	5 064	5 172	5 273	5 330	5 335	5 105	4 302	-
Finland	6 072	5 334	5 299	5 185	4 752	4 432	4 312	4 002	3 608	-
Sweden	16 627	14 942	13 091	14 703	14 086	14 951	14 233	13 684	-	-
European Union	974 454	917 760	930 064	945 212	957 248	950 929	948 337	936 923	752 581	831 953
Iceland	883	822	808	912	986	952	868	770	727	873
Norway	6 434	5 241	4 972	4 563	4 195	4 086	3 895	3 580	3 502	3 620
Switzerland	19 609	17 473	17 803	17 736	17 577	17 799	18 033	17 761	16 897	17 436

Limited data available for Ireland.

EU totals were derived by imputation.

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

The total number of crashes in the EU for 2021 is still uncertain because it is based on data from a limited number of Member States.

Table 2. Annual number of fatalities by country (2010, 2013-2021).

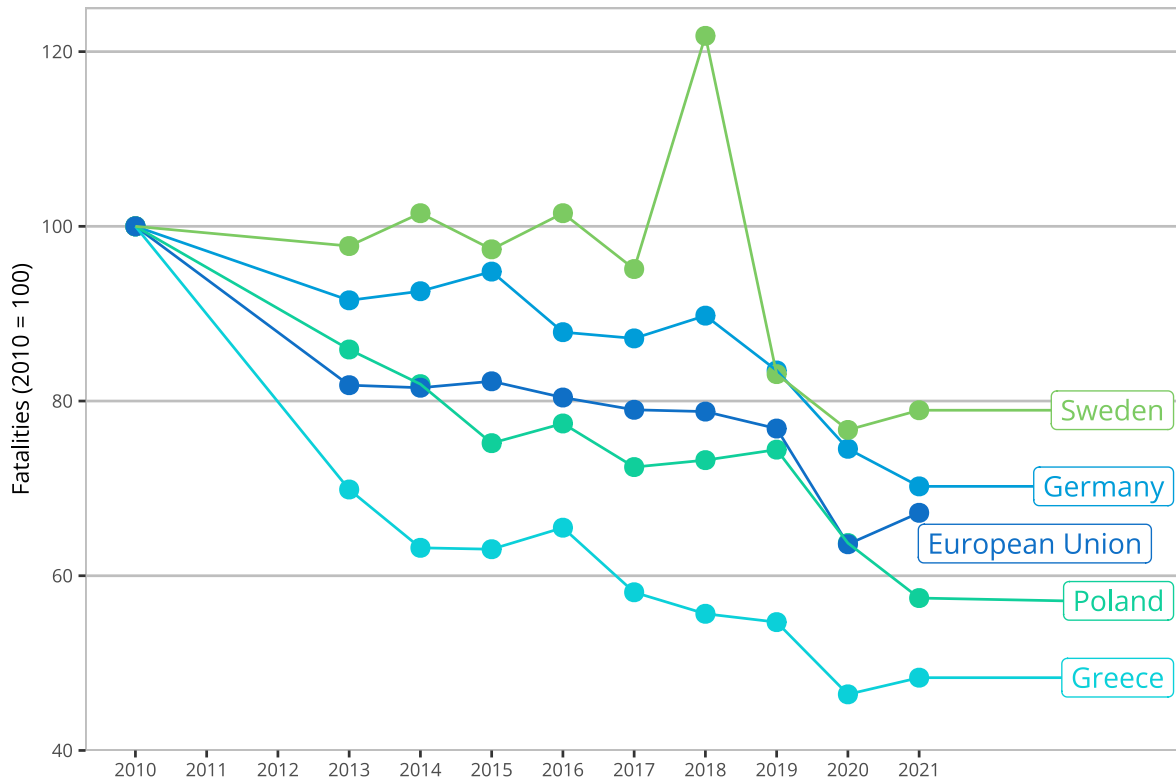
country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	850	764	745	762	670	609	604	646	499	516
Bulgaria	776	601	661	708	708	682	610	628	463	561
Czechia	802	654	688	734	611	577	656	618	518	532
Denmark	255	191	182	178	211	175	171	199	163	130
Germany	3 648	3 339	3 377	3 459	3 206	3 180	3 275	3 046	2 719	2 562
Estonia	79	81	78	67	71	48	67	52	59	55
Ireland	212	188	192	162	182	154	138	140	146	137
Greece	1 258	879	795	793	824	731	700	688	584	608
Spain	2 479	1 680	1 688	1 689	1 810	1 830	1 806	1 755	1 370	1 533
France	3 992	3 268	3 384	3 459	3 471	3 444	3 246	3 237	2 538	2 931
Croatia	426	368	308	348	307	331	317	297	237	292
Italy	4 114	3 401	3 381	3 428	3 283	3 378	3 334	3 173	2 395	2 875
Cyprus	60	44	45	57	46	53	49	52	48	45
Latvia	218	179	212	188	158	136	148	132	139	147
Lithuania	299	256	267	242	188	191	173	186	175	148
Luxembourg	32	45	35	36	32	25	36	22	26	24
Hungary	740	591	626	644	607	625	633	602	460	544
Malta	13	17	10	11	23	19	18	16	11	9
Netherlands	537	476	476	531	533	535	598	586	515	509
Austria	552	455	430	479	432	414	409	416	344	362
Poland	3 908	3 357	3 202	2 938	3 026	2 831	2 862	2 909	2 491	2 245
Portugal	937	637	638	593	563	602	700	688	536	557
Romania	2 377	1 861	1 818	1 893	1 913	1 951	1 867	1 864	1 644	1 779
Slovenia	138	125	108	120	130	104	91	102	80	114
Slovakia	371	251	295	310	275	276	260	270	247	247
Finland	272	258	229	270	258	238	239	211	223	225
Sweden	266	260	270	259	270	253	324	221	204	210
European Union	29 611	24 226	24 140	24 358	23 808	23 392	23 331	22 756	18 834	19 900
Iceland	8	15	4	16	18	16	18	6	8	9
Liechtenstein	0	2	3	2	0	2	0	0	1	0
Norway	208	187	147	117	135	106	108	108	93	80
Switzerland	327	269	243	253	216	230	233	187	227	200

Missing values were supplemented by the EC.

Netherlands - The number of fatalities registered by the police is under-reported and equates to around 85-90% of the total number of fatalities published nationally by CBS-Statistics Netherlands. In 2021, the overall total was 582.

Portugal - From 2018 onwards, data includes the NUTS I regions Região Autónoma dos Açores (PT2) and Região Autónoma da Madeira (PT3).

Figure 5. Relative number of fatalities by selected countries⁴ (2010-2021).



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, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	805	719	711	720	640	597	568	609	468	487
Bulgaria	659	520	572	612	616	574	517	557	406	447
Czechia	742	606	623	668	560	544	597	564	471	-
Denmark	231	173	168	172	195	165	164	193	150	127
Germany	3 387	3 131	3 187	3 277	3 016	2 977	3 096	2 877	2 582	2 435
Estonia	70	74	72	61	63	44	64	51	55	-
Ireland	185	179	178	155	171	139	-	-	-	-
Greece	1 142	814	739	741	772	679	645	656	552	-
Spain	1 953	1 488	1 512	1 559	1 663	1 672	1 679	1 651	1 275	1 437
France	3 706	3 020	3 146	3 158	3 222	3 217	3 048	3 043	2 400	2 758
Croatia	402	328	284	317	279	307	297	279	214	263
Italy	3 871	3 161	3 175	3 236	3 105	3 178	3 086	2 982	2 275	2 737
Cyprus	56	41	44	56	45	49	44	52	48	-
Latvia	198	169	182	172	144	125	132	119	130	-
Lithuania	-	230	243	223	178	178	161	170	156	130
Luxembourg	29	41	31	33	29	24	31	22	24	21
Hungary	649	540	573	585	565	575	567	530	423	-
Malta	13	-	-	11	23	17	17	15	-	-
Netherlands	500	456	455	505	506	510	554	552	496	486
Austria	515	435	411	445	415	394	394	381	322	339
Poland	3 504	3 062	2 954	2 687	2 757	2 623	2 638	2 672	2 286	-
Portugal	857	585	603	554	529	578	652	601	511	-
Romania	2 103	1 657	1 621	1 685	1 713	1 742	1 698	1 701	1 514	1 601
Slovenia	127	116	97	112	125	101	87	91	73	112
Slovakia	345	-	-	-	259	245	241	239	226	-
Finland	241	244	208	246	239	219	216	195	208	-
Sweden	249	247	254	240	243	233	298	200	-	-
European Union	26 769	22 372	22 357	22 510	22 072	21 706	21 630	21 141	17 619	18 644
Iceland	7	14	3	16	18	13	15	6	7	8
Norway	190	170	135	102	128	102	100	100	89	76
Switzerland	313	257	229	238	208	219	228	179	224	194

Limited data available for Ireland, Malta and 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, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	5 606	4 581	4 484	4 181	4 095	3 762	3 636	3 600	2 968	3 098
Bulgaria	2 451	2 304	2 175	2 295	2 503	1 951	1 983	1 937	1 556	1 458
Czechia	2 788	2 721	2 714	2 487	2 530	2 287	2 395	2 061	1 760	-
Denmark	2 063	1 736	1 556	1 465	1 505	1 378	1 436	1 277	1 203	1 163
Germany	62 620	64 057	67 732	67 706	67 426	66 513	67 967	65 244	58 005	55 137
Ireland	561	508	755	826	956	1 055	-	-	-	-
Greece	1 709	1 212	1 016	999	879	706	727	652	518	-
Spain	11 994	10 086	9 574	9 495	9 755	9 546	8 935	8 613	6 681	7 784
France	30 393	25 966	26 635	26 593	27 174	27 732	-	-	-	-
Croatia	3 184	2 831	2 675	2 822	2 746	2 776	2 731	2 488	2 295	2 610
Cyprus	586	407	467	377	406	388	348	340	211	-
Latvia	569	452	434	479	525	496	542	461	490	-
Lithuania	-	579	536	426	742	368	165	308	376	392
Luxembourg	266	316	245	319	249	256	273	248	217	267
Hungary	5 671	5 369	5 331	5 575	5 541	5 630	5 559	5 485	4 655	-
Malta	204	265	292	306	293	312	317	305	-	-
Netherlands	4 119	2 442	2 131	13 327	13 502	13 075	13 470	12 425	10 222	7 424
Austria	10 777	7 344	7 434	7 486	7 566	7 664	7 631	7 384	6 650	6 945
Poland	11 491	11 672	11 696	11 200	12 078	11 103	10 941	10 633	8 805	-
Portugal	2 475	1 946	2 010	2 148	1 999	2 117	2 195	2 383	1 877	-
Romania	8 476	8 158	8 122	9 056	8 285	8 183	8 144	8 125	5 491	3 796
Slovenia	886	708	826	932	850	851	821	814	678	784
Slovakia	1 195	1 088	1 098	1 121	1 027	1 103	1 247	1 030	894	-
Finland	-	-	-	477	460	409	485	390	408	-
Sweden	2 887	2 716	2 389	2 445	2 347	2 275	2 195	1 951	-	-
Iceland	205	177	177	178	215	189	183	182	149	199
Norway	714	703	674	693	656	665	602	565	627	569
Switzerland	4 458	4 129	4 043	3 830	3 785	3 654	3 873	3 639	3 793	3 933

No data available for Estonia and Italy.

Limited data available for Ireland, France and 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 omitted due to 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, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	108	109	107	94	81	95	74	92	65	75
Bulgaria	174	108	156	164	118	157	123	154	94	94
Czechia	168	162	130	150	130	129	142	111	95	-
Denmark	44	34	22	27	36	20	30	30	23	19
Germany	476	561	527	545	500	489	464	421	379	344
Estonia	14	23	26	24	22	10	12	11	14	-
Ireland	44	31	41	31	35	31	-	-	-	-
Greece	179	151	125	128	149	118	146	145	76	-
Spain	471	371	336	367	389	351	386	381	260	301
France	485	465	499	466	553	480	468	476	388	401
Croatia	105	69	73	61	67	56	65	61	38	37
Italy	621	551	578	602	570	600	612	534	409	471
Cyprus	13	8	10	16	14	15	8	13	13	-
Latvia	79	70	71	63	55	51	50	40	43	-
Lithuania	-	96	109	81	72	69	71	59	52	28
Luxembourg	1	5	3	7	8	4	3	2	4	5
Hungary	192	147	152	149	152	170	165	144	109	-
Malta	-	-	-	5	8	7	2	5	-	-
Netherlands	62	51	50	60	44	64	50	49	35	43
Austria	98	82	71	84	73	73	47	69	51	37
Poland	1 236	1 140	1 116	915	868	873	803	793	631	-
Portugal	195	144	145	146	123	130	163	140	101	-
Romania	868	726	697	649	717	733	690	729	587	583
Slovenia	26	20	14	16	22	10	13	15	7	15
Slovakia	126	-	-	-	80	55	72	80	49	-
Finland	35	34	36	32	29	27	25	15	22	-
Sweden	31	42	52	28	42	37	34	27	-	-
European Union	5 952	5 320	5 254	5 002	4 957	4 854	4 749	4 627	3 608	3 669
Iceland	2	1	0	1	2	0	0	1	0	2
Norway	24	18	18	12	15	11	13	13	15	7
Switzerland	75	69	43	58	50	47	43	37	36	37

EU totals were derived by imputation.

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

Crashes involving pedestrians may be subject to under-registration.

3.1.2 Bicycles

Table 6. Annual number of bicycle fatalities by country (2010, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	73	83	82	90	81	76	89	95	87	87
Bulgaria	27	31	29	29	35	22	21	27	19	17
Czechia	80	74	68	84	53	57	56	53	51	-
Denmark	26	33	30	26	31	27	28	31	27	25
Germany	381	354	396	383	393	382	445	445	426	372
Estonia	0	0	0	0	4	1	3	2	1	-
Ireland	5	5	13	10	10	14	-	-	-	-
Greece	23	15	19	11	18	11	12	22	12	-
Spain	67	70	75	58	67	78	58	80	71	63
France	147	147	159	149	162	173	175	187	178	227
Croatia	28	23	19	34	27	23	22	16	9	28
Italy	265	251	273	251	275	254	219	253	175	220
Cyprus	2	2	1	1	0	4	1	1	1	-
Latvia	13	13	16	9	7	11	9	9	17	-
Lithuania	-	18	19	22	12	13	8	10	12	11
Luxembourg	1	0	0	0	1	0	3	0	3	0
Hungary	92	68	98	83	73	81	68	63	40	-
Malta	0	-	-	0	1	0	1	0	-	-
Netherlands	119	112	133	125	131	138	160	148	158	145
Austria	32	52	45	39	48	32	41	33	40	50
Poland	280	306	286	300	271	220	285	258	249	-
Portugal	33	29	35	25	33	25	26	27	19	-
Romania	182	161	151	162	176	191	181	198	191	149
Slovenia	17	16	13	14	12	11	8	9	8	10
Slovakia	27	-	-	-	21	23	19	17	24	-
Finland	26	20	27	31	26	23	21	23	31	-
Sweden	21	14	33	17	22	26	23	17	-	-
European Union	1 985	1 923	2 044	1 976	1 990	1 916	1 996	2 038	1 880	1 880
Iceland	0	0	0	1	0	2	0	0	0	1
Norway	5	10	12	5	12	9	7	6	3	4
Switzerland	34	21	34	39	33	37	39	27	44	39

EU totals were derived by imputation.

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

Crashes involving bicycles may be subject to under-registration.

3.1.3 Mopeds

Table 7. Annual number of moped fatalities by country (2010, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	23	14	19	20	16	24	18	19	13	16
Bulgaria	5	6	8	11	8	11	7	2	5	4
Czechia	7	6	8	6	1	2	5	2	4	-
Denmark	11	11	13	19	8	9	10	13	8	5
Germany	74	73	87	62	68	59	78	63	53	56
Estonia	0	0	0	0	3	1	0	1	0	-
Greece	36	25	20	32	25	32	27	19	24	-
Spain	99	56	54	56	54	49	62	49	32	38
France	248	159	165	155	121	117	133	134	100	96
Croatia	15	14	11	14	10	8	4	9	5	6
Italy	206	125	112	105	116	92	108	88	59	67
Cyprus	3	0	4	2	2	2	2	0	0	-
Latvia	4	3	6	6	6	6	4	1	2	-
Lithuania	-	4	1	3	0	4	1	0	1	1
Luxembourg	0	0	0	0	0	0	0	1	0	0
Hungary	19	24	17	27	16	17	13	10	16	-
Malta	-	-	-	0	0	0	0	0	-	-
Netherlands	32	41	32	35	34	36	31	35	26	38
Austria	18	15	16	8	8	14	8	10	4	13
Poland	83	62	71	65	77	55	76	87	71	-
Portugal	77	51	43	42	44	43	42	36	26	-
Romania	114	39	30	34	33	17	18	18	21	24
Slovenia	7	4	2	1	3	4	2	3	6	6
Slovakia	-	-	-	-	8	2	3	2	10	-
Finland	9	5	3	2	5	5	3	3	2	-
Sweden	8	3	8	5	8	1	7	6	-	-
European Union	1 110	748	738	718	674	610	662	611	494	531
Iceland	0	0	0	0	0	0	0	0	0	0
Norway	0	3	2	1	1	1	2	0	1	1
Switzerland	4	8	1	3	6	2	5	5	6	3

No data available for Ireland.

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, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	103	106	85	105	79	77	87	84	78	62
Bulgaria	42	49	47	50	-	2	4	5	32	45
Czechia	92	66	88	91	62	69	94	84	58	-
Denmark	22	15	18	19	26	11	21	27	11	12
Germany	635	568	587	639	536	583	619	542	499	473
Estonia	0	0	0	0	1	0	6	3	3	-
Ireland	17	26	24	22	22	19	-	-	-	-
Greece	367	271	278	237	240	216	190	228	188	-
Spain	386	302	287	329	343	359	359	417	313	357
France	734	658	649	614	613	669	627	615	479	572
Croatia	51	49	44	58	38	42	55	46	44	58
Italy	950	728	704	773	657	735	687	698	586	695
Cyprus	18	15	9	13	10	14	14	16	14	-
Latvia	17	10	10	7	12	1	3	1	6	-
Lithuania	-	15	13	13	10	10	13	19	17	10
Luxembourg	1	8	8	6	3	7	9	3	7	3
Hungary	49	58	58	50	48	43	49	64	42	-
Malta	3	-	-	2	9	2	8	4	-	-
Netherlands	60	29	51	43	44	53	42	45	44	53
Austria	68	87	76	83	85	83	102	79	74	75
Poland	259	253	237	208	244	231	238	295	244	-
Portugal	126	78	91	73	59	106	112	127	116	-
Romania	59	52	45	55	46	52	55	51	64	62
Slovenia	17	17	15	25	22	25	16	20	16	27
Slovakia	27	-	-	-	-	-	-	-	-	-
Finland	18	24	17	20	17	13	24	25	20	-
Sweden	37	40	31	44	36	39	47	29	-	-
European Union	4 173	3 554	3 501	3 606	3 315	3 488	3 527	3 573	3 034	3 274
Iceland	1	1	0	1	2	2	0	1	3	0
Norway	26	21	20	20	22	20	14	16	18	15
Switzerland	68	55	53	66	43	51	42	30	52	47

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 occupant fatalities by country (2010, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	450	367	392	375	343	285	275	306	221	213
Bulgaria	478	367	379	396	456	369	341	348	260	307
Czechia	403	308	347	365	328	279	333	329	269	-
Denmark	135	79	89	74	96	99	65	87	80	54
Germany	1 840	1 588	1 579	1 624	1 537	1 437	1 424	1 364	1 170	1 118
Estonia	44	41	33	35	33	27	21	20	7	-
Ireland	129	107	103	89	106	78	-	-	-	-
Greece	545	347	289	314	340	285	267	202	205	-
Spain	1 194	716	722	693	754	799	732	641	544	611
France	2 117	1 615	1 664	1 796	1 760	1 767	1 637	1 622	1 243	1 414
Croatia	205	195	141	164	148	187	154	141	126	129
Italy	1 832	1 491	1 497	1 476	1 477	1 472	1 423	1 411	1 018	1 192
Cyprus	19	16	15	24	10	14	15	14	18	-
Latvia	91	71	91	85	71	59	70	62	64	-
Lithuania	-	108	118	115	85	84	73	84	78	87
Luxembourg	27	30	24	16	19	13	19	16	9	15
Hungary	330	254	256	304	269	277	291	273	219	-
Malta	9	-	-	4	5	9	5	7	-	-
Netherlands	219	180	171	214	225	194	245	240	198	180
Austria	291	194	191	241	191	182	181	200	146	161
Poland	1 853	1 448	1 346	1 332	1 417	1 295	1 291	1 333	1 162	-
Portugal	367	214	223	214	225	204	238	235	198	-
Romania	973	721	724	787	785	812	737	682	617	800
Slovenia	44	40	41	38	45	30	32	28	29	32
Slovakia	171	-	-	-	127	156	120	124	128	-
Finland	159	152	121	159	150	133	146	123	127	-
Sweden	151	144	122	144	138	131	181	103	-	-
European Union	14 184	10 960	10 832	11 216	11 140	10 677	10 394	10 073	8 324	8 898
Iceland	4	11	3	12	13	9	12	3	5	4
Norway	127	105	72	67	67	57	61	61	41	40
Switzerland	129	103	97	75	75	78	79	65	71	65

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) occupant fatalities by country (2010, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	14	15	14	16	24	16	19	11	17	15
Bulgaria	30	24	23	32	-	0	0	0	21	22
Czechia	27	19	23	9	18	20	19	17	35	-
Denmark	2	1	1	2	3	2	3	2	2	2
Germany	87	148	72	84	70	72	95	80	61	76
Estonia	1	2	3	0	2	1	3	5	4	-
Ireland	2	2	3	1	3	9	-	-	-	-
Greece	14	7	12	11	6	9	10	4	10	-
Spain	71	43	48	59	55	57	58	55	45	33
France	65	57	56	56	55	51	44	36	33	44
Croatia	4	2	4	6	3	0	2	1	4	1
Italy	53	43	46	44	83	92	50	67	36	75
Cyprus	0	2	0	0	0	0	0	0	1	-
Latvia	0	3	5	5	3	4	3	3	3	-
Lithuania	-	6	4	3	3	3	2	3	2	7
Luxembourg	1	2	0	1	0	0	0	0	0	0
Hungary	11	13	14	11	12	7	14	12	9	-
Malta	0	-	-	0	0	0	0	0	-	-
Netherlands	4	7	6	9	6	7	7	5	4	1
Austria	7	6	9	8	13	8	4	2	5	4
Poland	142	90	92	74	114	-	36	26	31	-
Portugal	12	18	8	10	7	4	7	7	9	-
Romania	13	18	17	15	11	12	14	5	11	13
Slovenia	1	1	1	1	3	3	6	2	1	1
Slovakia	19	-	-	-	4	3	3	1	2	-
Finland	9	6	4	4	5	10	3	3	3	-
Sweden	5	5	5	5	6	3	4	3	-	-
European Union	600	555	482	474	525	468	415	359	361	413
Iceland	1	0	0	0	1	0	0	0	0	1
Norway	8	11	7	4	5	2	3	4	5	7
Switzerland	2	3	2	3	1	2	2	2	2	2

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 occupant fatalities by country (2010, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	39	38	27	37	38	29	30	17	11	28
Bulgaria	-	-	-	-	-	1	0	0	0	0
Czechia	18	15	16	15	17	12	2	13	0	-
Denmark	14	17	9	9	6	5	13	9	8	10
Germany	75	-	71	62	63	95	79	72	63	64
Ireland	8	12	5	5	5	-	-	-	-	-
Greece	62	38	35	44	31	43	31	49	38	-
Spain	116	69	111	93	88	98	93	86	57	83
France	146	132	142	120	130	99	92	98	59	103
Croatia	5	2	5	5	5	9	4	7	4	10
Italy	141	102	109	118	58	64	139	70	81	94
Cyprus	5	1	4	0	5	4	7	6	0	-
Latvia	0	5	6	3	2	1	2	8	1	-
Lithuania	-	1	2	1	3	2	1	1	5	0
Luxembourg	-	0	0	6	1	1	1	0	2	1
Hungary	24	17	25	17	15	24	25	31	20	-
Malta	0	-	-	0	0	0	0	0	-	-
Netherlands	22	15	7	15	24	21	21	22	21	11
Austria	10	15	10	12	10	16	11	10	15	15
Poland	-	-	-	-	-	-	83	84	73	-
Portugal	88	61	49	46	41	55	61	55	41	-
Romania	73	61	67	77	63	64	73	74	69	69
Slovenia	2	5	0	0	0	0	0	2	1	4
Slovakia	1	-	-	-	14	9	19	11	9	-
Finland	9	9	10	13	14	12	6	10	10	-
Sweden	7	5	8	10	6	5	12	26	-	-
European Union	950	781	810	803	723	757	810	766	619	715
Iceland	0	1	1	0	0	1	4	0	0	0
Norway	9	9	1	4	1	2	6	5	5	1
Switzerland	6	3	3	1	1	2	2	8	3	2

Data for Estonia 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 occupant fatalities by country (2010, 2013-2021).

country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	1	5	4	4	0	1	2	1	1	3
Bulgaria	3	1	4	3	5	15	28	3	8	49
Czechia	1	2	3	1	0	4	3	3	3	-
Denmark	0	0	0	0	3	0	0	0	0	0
Germany	32	11	13	5	4	22	9	7	10	5
Estonia	4	2	8	1	1	0	1	2	0	-
Ireland	1	0	0	0	0	0	-	-	-	-
Greece	2	2	2	3	0	0	0	0	0	-
Spain	5	11	26	2	21	3	12	3	3	5
France	4	7	9	43	12	14	3	4	3	4
Croatia	0	1	0	1	2	1	0	0	0	10
Italy	9	48	5	6	3	18	5	5	1	2
Cyprus	0	0	0	0	1	0	0	0	0	-
Latvia	5	1	1	2	0	0	1	0	0	-
Lithuania	-	1	0	1	0	1	0	0	0	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Hungary	12	6	1	1	10	4	3	1	2	-
Malta	0	-	-	0	0	0	2	0	-	-
Netherlands	1	0	1	1	0	0	0	0	0	1
Austria	8	0	1	0	1	0	2	1	1	1
Poland	14	18	12	14	8	3	19	10	9	-
Portugal	0	11	2	8	0	1	1	29	1	-
Romania	10	8	9	18	23	7	11	27	4	8
Slovenia	0	0	0	0	0	0	0	1	0	0
Slovakia	0	-	-	-	3	1	2	12	1	-
Finland	0	1	0	0	0	2	5	0	0	-
Sweden	2	1	2	0	1	4	0	0	-	-
European Union	115	138	105	116	98	101	109	109	47	104
Iceland	0	0	0	0	0	2	1	0	0	0
Norway	4	5	7	1	1	2	0	1	1	1
Switzerland	4	0	2	1	1	1	3	1	1	0

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 2021.

	2010							2021						
	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	unknown	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	unknown
Belgium	28	21	173	344	123	155	6	18	7	62	177	93	145	14
Bulgaria	19	20	116	322	147	147	5	25	23	59	193	118	142	1
Czechia	17	17	125	329	142	172	0	-	-	-	-	-	-	-
Denmark	9	8	42	81	48	67	-	3	2	23	33	28	41	0
Germany	104	101	690	1 218	624	910	1	49	64	287	676	614	868	4
Estonia	1	2	10	24	25	17	-	-	-	-	-	-	-	-
Ireland	6	7	56	83	26	30	4	-	-	-	-	-	-	-
Greece	30	39	186	521	190	268	24	-	-	-	-	-	-	-
Spain	79	49	311	1 087	407	527	20	25	26	173	572	378	349	10
France	130	161	831	1 513	592	765	0	98	87	504	929	552	761	0
Croatia	12	9	58	170	80	97	0	10	7	41	101	76	57	0
Italy	70	121	547	1 573	645	1 064	94	28	63	302	944	615	870	53
Cyprus	1	2	12	27	7	11	0	-	-	-	-	-	-	-
Latvia	9	2	35	75	53	36	8	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	4	4	15	56	39	29	1
Luxembourg	0	0	10	13	6	3	0	0	0	8	7	7	2	0
Hungary	20	10	73	304	184	137	12	-	-	-	-	-	-	-
Malta	1	0	4	7	1	0	-	-	-	-	-	-	-	-
Netherlands	16	20	90	171	86	154	0	17	18	67	124	87	196	0
Austria	10	27	102	178	95	140	0	6	21	41	106	89	99	0
Poland	112	122	677	1 419	871	674	33	-	-	-	-	-	-	-
Portugal	18	7	88	378	168	277	1	-	-	-	-	-	-	-
Romania	95	50	307	849	577	494	5	77	21	171	574	447	483	6
Slovenia	2	4	19	54	29	30	0	3	3	12	32	37	27	0
Slovakia	11	7	59	126	67	48	53	-	-	-	-	-	-	-
Finland	7	13	48	93	47	64	0	-	-	-	-	-	-	-
Sweden	9	5	47	82	52	71	0	-	-	-	-	-	-	-
European Union	823	828	4 757	11 136	5 348	6 410	267	474	451	2 485	6 709	4 360	5 427	126
Iceland	0	0	3	1	2	2	0	1	0	0	2	2	4	0
Norway	3	7	42	75	39	42	0	3	5	12	23	19	18	0
Switzerland	8	12	36	105	65	101	0	2	3	23	43	43	86	0

Data for Czechia, Estonia, Ireland, Greece, Cyprus, Latvia, Lithuania, Hungary, Malta, Poland, Portugal, Slovakia, Finland and Sweden was missing for one of the years.

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. Percentage of pedestrian fatalities by age group and by country for the last available year.

Country	Year	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Unknown
Belgium	2021	8	0	15	9	11	52	5
Bulgaria	2021	3	0	0	15	24	56	1
Czechia	2020	3	0	3	31	19	44	0
Denmark	2021	5	0	16	21	11	47	0
Germany	2021	6	1	7	15	14	57	0
Estonia	2020	7	0	7	7	43	36	0
Ireland	2017	3	3	6	42	19	26	0
Greece	2020	5	1	4	18	18	50	3
Spain	2021	4	1	5	20	20	48	2
France	2021	5	1	5	20	16	53	0
Croatia	2021	5	0	5	19	27	43	0
Italy	2021	1	1	4	15	19	61	0
Cyprus	2020	0	-	0	15	31	54	-
Latvia	2020	7	0	2	33	19	33	7
Lithuania	2021	0	4	7	25	25	36	4
Luxembourg	2021	0	0	20	20	40	20	-
Hungary	2020	2	1	4	30	23	39	1
Malta	2019	0	0	0	0	0	100	-
Netherlands	2021	12	0	12	7	19	51	0
Austria	2021	3	3	0	11	27	57	0
Poland	2020	2	1	3	28	30	36	0
Portugal	2020	0	3	3	16	24	54	-
Romania	2021	6	1	3	22	26	41	1
Slovenia	2021	7	0	13	20	40	20	-
Slovakia	2020	2	4	4	22	22	37	8
Finland	2020	9	0	5	27	5	55	0
Sweden	2019	7	0	4	30	15	44	0
European Union	2021	4	1	4	21	22	47	1
Iceland	2021	0	0	0	0	0	100	-
Norway	2021	14	0	14	14	14	43	0
Switzerland	2021	3	0	5	11	11	70	0

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. Percentage of cyclist fatalities by age group and by country for the last available year.

Country	Year	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Unknown
Belgium	2021	6	0	2	11	20	60	1
Bulgaria	2021	0	18	0	6	35	41	0
Czechia	2020	2	0	0	31	24	43	0
Denmark	2021	4	4	12	12	24	44	0
Germany	2021	2	1	2	13	22	60	0
Estonia	2020	0	0	0	0	0	100	0
Ireland	2017	0	0	0	57	29	14	0
Greece	2020	0	0	17	33	17	25	8
Spain	2021	2	3	5	32	21	38	0
France	2021	5	1	4	17	29	44	0
Croatia	2021	7	4	7	11	32	39	0
Italy	2021	4	0	3	23	19	50	0
Cyprus	2020	0	0	-	0	100	-	-
Latvia	2020	0	6	6	35	24	24	6
Lithuania	2021	9	0	9	27	18	36	0
Luxembourg	2021	-	-	-	-	-	-	-
Hungary	2020	2	2	8	28	28	32	0
Malta	2019	-	-	-	-	-	-	-
Netherlands	2021	5	6	6	8	16	60	0
Austria	2021	2	2	4	16	24	52	0
Poland	2020	2	2	4	20	31	41	0
Portugal	2020	11	5	0	21	42	21	0
Romania	2021	2	0	1	19	38	38	1
Slovenia	2021	0	0	0	0	40	60	-
Slovakia	2020	4	0	0	21	42	33	0
Finland	2020	0	0	0	13	29	58	0
Sweden	2019	0	0	6	18	6	71	0
European Union	2021	3	2	3	18	25	48	0
Iceland	2021	0	0	0	0	100	0	0
Norway	2021	25	0	0	0	25	50	0
Switzerland	2021	0	0	0	13	23	64	0

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. Percentage of moped fatalities by age group and by country for the last recorded year.

Country	Year	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Unknown
Belgium	2021	0	12	12	38	38	0	0
Bulgaria	2021	0	0	0	25	50	25	-
Czechia	2020	0	0	0	50	0	50	-
Denmark	2021	0	20	0	60	20	0	0
Germany	2021	0	23	4	11	21	41	0
Estonia	2020	-	-	-	-	-	-	-
Greece	2020	0	4	12	29	21	33	0
Spain	2021	0	13	26	32	16	13	0
France	2021	4	26	23	31	14	2	0
Croatia	2021	0	0	17	33	33	17	0
Italy	2021	0	25	15	21	16	19	3
Cyprus	2020	-	-	-	-	-	-	-
Latvia	2020	0	0	0	0	100	0	0
Lithuania	2021	0	0	0	0	0	100	0
Luxembourg	2021	-	-	-	-	-	-	-
Hungary	2020	0	0	0	31	31	38	0
Malta	2019	-	-	-	-	-	-	-
Netherlands	2021	0	11	16	29	26	18	0
Austria	2021	8	46	0	23	15	8	0
Poland	2020	3	3	4	31	35	24	0
Portugal	2020	0	0	12	23	42	23	0
Romania	2021	0	4	8	33	29	25	0
Slovenia	2021	0	33	0	33	17	17	-
Slovakia	2020	0	0	0	80	10	10	0
Finland	2020	0	50	0	0	0	50	0
Sweden	2019	0	17	17	17	33	17	0
European Union	2021	1	15	12	28	23	19	0
Iceland	2021	-	-	-	-	-	-	-
Norway	2021	-	0	100	0	0	0	0
Switzerland	2021	33	0	0	0	33	33	0

Data for Ireland (2017) was not available.

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. Percentage of motorcycle fatalities by age group and by country for the last available year.

Country	Year	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Unknown
Belgium	2021	0	2	13	45	34	6	0
Bulgaria	2021	0	7	13	69	7	4	0
Czechia	2020	0	0	12	55	29	3	-
Denmark	2021	-	0	25	50	25	0	0
Germany	2021	0	6	13	32	37	11	0
Estonia	2020	-	0	0	100	0	-	0
Ireland	2017	0	0	5	68	21	5	0
Greece	2020	1	2	17	51	16	12	2
Spain	2021	0	2	9	55	31	3	0
France	2021	1	2	17	50	23	7	0
Croatia	2021	2	3	16	57	21	2	0
Italy	2021	0	3	11	51	26	8	1
Cyprus	2020	-	0	36	50	7	7	-
Latvia	2020	0	0	17	83	0	0	0
Lithuania	2021	0	0	10	60	30	0	0
Luxembourg	2021	-	0	0	33	67	0	-
Hungary	2020	0	0	14	52	29	5	0
Malta	2019	0	0	25	75	0	0	-
Netherlands	2021	0	2	8	57	26	8	0
Austria	2021	0	5	7	33	39	16	0
Poland	2020	0	2	19	67	10	2	0
Portugal	2020	0	1	13	69	14	3	0
Romania	2021	2	5	21	58	8	6	0
Slovenia	2021	0	4	4	56	30	7	-
Finland	2020	0	20	10	30	35	5	-
Sweden	2019	0	3	3	52	28	14	0
European Union	2021	0	3	14	51	25	7	0
Iceland	2021	-	-	-	-	-	-	-
Norway	2021	0	7	7	60	27	0	0
Switzerland	2021	0	4	19	30	30	17	0

Data for Slovakia (2020) was not available.

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. Percentage of car fatalities by age group and by country for the last available year.

Country	Year	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Unknown
Belgium	2021	3	2	15	46	13	20	1
Bulgaria	2021	4	4	14	36	19	23	0
Czechia	2020	3	1	15	39	18	23	1
Denmark	2021	2	0	24	26	13	35	0
Germany	2021	2	1	16	31	21	30	0
Estonia	2020	0	0	14	57	14	14	0
Ireland	2017	4	3	23	33	12	26	0
Greece	2020	1	1	15	40	18	21	4
Spain	2021	2	1	17	37	22	22	0
France	2021	4	3	23	28	15	27	0
Croatia	2021	4	2	18	30	26	19	0
Italy	2021	1	1	15	32	19	30	2
Cyprus	2020	0	0	28	22	11	39	-
Latvia	2020	5	2	20	30	23	16	5
Lithuania	2021	3	3	13	41	24	15	0
Luxembourg	2021	0	0	40	33	20	7	0
Hungary	2020	3	2	11	42	23	20	0
Malta	2019	14	0	0	43	14	29	0
Netherlands	2021	2	2	21	33	12	30	0
Austria	2021	2	5	20	35	17	21	0
Poland	2020	2	3	24	41	15	15	0
Portugal	2020	4	1	11	37	18	28	1
Romania	2021	4	1	16	38	22	19	0
Slovenia	2021	0	0	12	28	28	31	0
Slovakia	2020	4	1	20	45	20	9	1
Finland	2020	1	6	16	37	14	26	0
Sweden	2019	2	3	13	31	19	32	0
European Union	2021	2	2	18	35	18	24	1
Iceland	2021	25	0	0	25	0	50	0
Norway	2021	2	5	20	22	20	30	0
Switzerland	2021	0	2	17	25	18	38	0

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 among occupants of these vehicles.

3.4 Mortality by gender

3.4.1 Male mortality

Table 19. Annual male mortality (fatalities per million male inhabitants) by country (2010, 2013-2021).

Country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	119	105	102	103	90	81	79	89	67	66
Bulgaria	-	-	-	-	156	144	132	137	106	124
Czechia	118	95	98	108	87	81	92	89	74	-
Denmark	62	45	50	47	54	46	42	54	42	32
Germany	66	62	63	64	58	58	61	56	50	48
Estonia	89	88	83	72	79	50	76	56	64	-
Ireland	71	62	57	53	57	48	-	-	-	-
Greece	186	129	122	124	126	118	108	111	97	-
Spain	83	56	56	57	61	61	61	60	48	52
France	97	79	79	81	82	83	77	77	61	70
Croatia	156	138	119	134	120	134	127	121	94	118
Italy	114	94	90	94	89	92	91	88	67	83
Cyprus	125	83	77	87	87	108	93	93	90	-
Latvia	125	148	181	156	136	111	125	121	107	-
Lithuania	-	142	142	123	104	103	93	107	90	85
Luxembourg	96	127	105	103	73	71	102	58	60	44
Hungary	117	91	97	100	98	97	100	92	73	-
Malta	39	-	-	36	75	43	54	44	-	-
Netherlands	48	42	41	48	46	47	49	48	44	44
Austria	101	83	76	83	73	72	72	69	59	61
Poland	162	139	132	121	123	113	114	121	106	-
Portugal	145	100	101	96	89	97	114	104	90	-
Romania	182	141	140	147	146	151	145	149	131	144
Slovenia	103	92	76	88	100	76	68	80	59	88
Slovakia	106	-	-	-	80	77	74	77	76	-
Finland	78	72	62	73	77	67	65	60	63	-
Sweden	43	41	40	41	42	39	49	33	-	-
European Union	104	86	85	86	83	82	82	80	67	72
Iceland	25	43	12	73	78	53	68	27	37	37
Norway	65	53	42	33	42	28	31	29	28	24
Switzerland	64	48	46	46	37	39	41	33	42	36

EU totals were derived by imputation.
Missing data are marked with a dash (-).

3.4.2 Female mortality

Table 20. Annual female mortality (fatalities per million female inhabitants) by country (2010, 2013-2021).

Country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	37	32	29	33	27	26	26	23	19	22
Bulgaria	-	-	-	-	44	51	44	45	29	40
Czechia	33	28	31	29	27	27	28	24	22	-
Denmark	30	23	15	16	20	15	17	15	14	13
Germany	24	22	21	22	21	20	19	18	16	14
Estonia	34	38	39	33	30	24	29	24	27	-
Ireland	20	20	25	17	20	17	-	-	-	-
Greece	43	33	26	25	30	21	25	20	14	-
Spain	24	17	17	17	17	18	17	15	11	13
France	29	23	25	25	24	23	22	21	16	18
Croatia	46	38	29	34	30	29	31	28	24	29
Italy	28	23	23	21	21	21	21	20	15	16
Cyprus	24	20	30	48	23	18	23	27	20	-
Latvia	23	36	42	43	33	35	35	24	43	-
Lithuania	-	38	47	47	31	35	34	32	38	24
Luxembourg	32	41	22	25	38	14	17	13	22	32
Hungary	34	31	32	34	28	33	32	33	23	-
Malta	24	-	-	14	27	39	21	21	-	-
Netherlands	17	15	16	15	17	16	20	20	15	15
Austria	33	26	26	30	27	23	22	25	19	21
Poland	47	40	39	36	39	38	39	35	27	-
Portugal	37	25	25	22	24	23	26	34	18	-
Romania	55	47	45	46	50	50	48	45	41	43
Slovenia	33	30	29	29	27	25	20	18	17	20
Slovakia	33	-	-	-	22	26	23	23	14	-
Finland	25	24	22	27	18	20	23	17	18	-
Sweden	14	14	16	12	13	11	15	10	-	-
European Union	31	26	26	25	25	24	24	23	18	19
Iceland	25	50	12	24	30	42	35	6	6	11
Norway	21	21	15	12	9	12	10	11	7	6
Switzerland	21	19	14	16	15	16	14	11	11	11

EU totals were derived by imputation.

Missing data are marked with a dash (-).

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

3.5.1 Female car drivers

Table 21. Annual mortality for female car drivers by country (2010, 2013-2021).

Country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	13	7	11	11	8	9	9	9	5	6
Bulgaria	-	-	-	-	5	8	5	8	6	3
Czechia	7	6	8	10	8	6	7	8	7	-
Denmark	11	3	5	2	7	7	6	4	4	3
Germany	8	6	7	8	7	7	6	6	4	4
Estonia	10	6	7	6	6	3	6	4	1	-
Ireland	8	8	9	7	7	6	-	-	-	-
Greece	8	6	4	3	6	4	5	5	3	-
Spain	5	4	3	3	3	4	4	3	3	3
France	10	8	9	9	9	8	8	7	6	7
Croatia	8	5	5	5	5	7	5	6	5	5
Italy	7	6	5	6	6	6	5	6	4	5
Cyprus	0	4	7	11	2	5	2	9	4	-
Latvia	3	5	5	5	2	5	7	4	6	-
Lithuania	-	4	3	6	9	7	3	7	9	3
Luxembourg	16	26	11	7	10	0	10	10	16	6
Hungary	6	6	5	5	6	5	7	5	6	-
Malta	5	-	-	5	4	0	4	-	-	-
Netherlands	4	3	5	3	5	4	4	6	5	3
Austria	10	7	9	11	9	8	8	9	7	7
Poland	7	6	6	6	5	8	8	6	6	-
Portugal	5	5	5	4	3	4	4	5	5	-
Romania	4	3	2	5	4	4	4	3	3	5
Slovenia	11	9	10	6	11	7	9	5	6	2
Slovakia	5	-	-	-	5	5	6	5	3	-
Finland	8	7	8	9	5	6	8	8	8	-
Sweden	5	5	5	4	5	3	4	3	-	-
European Union	7	6	6	6	6	6	6	6	5	5
Iceland	0	25	0	0	18	18	6	0	0	0
Norway	7	10	5	4	5	5	3	5	2	2
Switzerland	5	4	2	1	4	3	2	2	3	2

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 mortality of male car drivers by country (2010, 2013-2021).

Country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	49	43	45	42	39	30	30	33	25	22
Bulgaria	-	-	-	-	76	56	56	56	42	56
Czechia	49	36	43	39	35	31	36	37	30	-
Denmark	23	15	17	16	20	21	11	19	17	12
Germany	25	23	23	23	22	20	21	20	17	17
Estonia	35	44	33	28	24	29	27	14	6	-
Ireland	27	27	20	20	24	16	-	-	-	-
Greece	58	41	34	39	42	36	32	26	26	-
Spain	29	18	18	17	19	20	19	17	14	17
France	39	29	29	32	31	33	30	30	23	25
Croatia	56	54	44	48	47	57	47	43	39	43
Italy	38	31	31	31	31	32	31	30	23	27
Cyprus	33	21	17	32	17	19	26	16	28	-
Latvia	37	46	40	50	48	35	43	47	41	-
Lithuania	-	42	41	42	33	33	30	29	25	35
Luxembourg	68	67	58	46	31	30	36	29	6	25
Hungary	34	27	29	32	30	33	31	28	26	-
Malta	15	-	-	5	4	13	12	-	-	-
Netherlands	16	15	12	16	16	14	17	14	14	13
Austria	46	29	28	33	26	24	24	27	19	18
Poland	54	40	40	40	41	38	37	40	37	-
Portugal	38	23	25	27	26	27	30	24	24	-
Romania	45	36	34	39	40	41	38	36	36	44
Slovenia	33	30	30	31	33	22	22	22	22	28
Slovakia	34	-	-	-	26	29	26	24	32	-
Finland	37	36	26	34	39	32	34	27	29	-
Sweden	18	16	13	17	16	15	21	10	-	-
European Union	37	29	29	30	29	28	28	27	23	24
Iceland	13	25	6	42	42	12	34	5	21	11
Norway	33	22	16	15	15	12	16	13	10	8
Switzerland	20	15	16	12	10	10	12	10	10	10

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 mortality for female car passengers by country (2010, 2013-2021).

Country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	8	8	6	8	7	3	4	4	4	3
Bulgaria	-	-	-	-	22	21	17	19	13	14
Czechia	9	8	8	6	9	6	9	7	6	-
Denmark	7	6	4	4	5	2	3	3	2	1
Germany	6	5	5	5	5	4	4	4	3	3
Estonia	14	9	6	13	11	1	-	6	1	-
Ireland	5	3	6	5	7	5	-	-	-	-
Greece	17	9	9	8	10	7	6	4	4	-
Spain	8	5	6	5	6	5	5	4	3	4
France	8	6	6	7	6	6	6	5	3	4
Croatia	14	15	8	12	9	9	11	6	9	8
Italy	9	6	7	5	6	5	5	5	3	3
Cyprus	10	2	7	11	2	5	7	4	7	-
Latvia	7	10	18	20	11	9	15	9	10	-
Lithuania	-	8	13	11	9	10	9	11	13	11
Luxembourg	16	4	11	0	14	10	7	3	3	10
Hungary	12	9	11	11	8	11	10	13	7	-
Malta	14	-	-	5	13	22	0	17	-	-
Netherlands	2	2	2	1	-	-	-	-	-	-
Austria	6	6	4	7	5	5	5	6	4	4
Poland	16	12	11	11	15	11	11	11	8	-
Portugal	12	8	6	5	8	5	6	11	4	-
Romania	19	14	17	15	17	17	16	14	12	15
Slovenia	-	0	-	-	-	-	0	-	-	-
Slovakia	10	-	-	-	6	13	5	8	5	-
Finland	7	6	5	7	4	5	7	5	4	-
Sweden	4	3	4	3	3	3	6	4	-	-
European Union	9	7	7	7	7	7	6	6	4	5
Iceland	13	12	12	18	12	18	23	6	0	6
Norway	6	5	3	5	2	4	2	2	1	2
Switzerland	3	3	3	2	3	2	3	2	1	1

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 mortality for male car passengers by country (2010, 2013-2021).

Country	2010	2013	2014	2015	2016	2017	2018	2019	2020	2021
Belgium	13	8	6	6	7	7	5	7	4	4
Bulgaria	-	-	-	-	26	21	20	19	16	17
Czechia	11	8	7	13	9	10	8	8	7	-
Denmark	8	4	5	4	3	5	2	4	4	2
Germany	6	5	4	5	5	4	4	3	3	3
Estonia	8	6	7	8	10	10	-	5	2	-
Ireland	15	9	10	6	7	5	-	-	-	-
Greece	15	8	6	8	7	8	9	4	5	-
Spain	10	4	4	4	4	5	4	4	3	3
France	10	7	7	8	7	7	6	6	6	6
Croatia	20	20	12	14	11	19	13	16	11	9
Italy	9	8	7	7	7	7	7	7	4	5
Cyprus	5	10	5	2	2	5	0	2	2	-
Latvia	13	11	33	14	15	15	10	8	14	-
Lithuania	-	23	28	23	9	11	12	15	11	14
Luxembourg	8	15	7	4	10	3	10	10	3	6
Hungary	15	11	9	15	12	9	13	11	6	-
Malta	5	-	-	5	0	4	4	12	-	-
Netherlands	4	2	2	2	-	-	-	-	-	-
Austria	9	5	4	5	5	4	5	4	4	7
Poland	22	18	14	15	15	13	12	15	11	-
Portugal	16	6	8	6	8	5	8	6	8	-
Romania	29	20	20	22	20	21	18	18	13	19
Slovenia	-	0	0	-	-	0	-	0	-	-
Slovakia	15	-	-	-	10	11	8	10	8	-
Finland	8	8	5	8	8	6	5	5	5	-
Sweden	4	5	4	5	4	4	4	3	-	-
European Union	12	8	8	8	8	7	7	7	6	6
Iceland	0	6	0	12	6	6	6	5	5	5
Norway	7	5	4	2	4	1	1	3	2	3
Switzerland	4	4	3	3	2	3	2	1	2	2

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. Percentage of female fatalities by age group and by country for the last available year.

Country	Year	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Unknown
Belgium	2021	9	2	13	25	10	40	2
Bulgaria	2021	8	5	8	26	23	30	-
Czechia	2020	-	1	8	33	18	39	1
Denmark	2021	5	0	22	24	22	27	-
Germany	2021	3	3	9	17	22	46	0
Estonia	2020	11	0	11	11	42	26	-
Ireland	2017	2	0	5	30	18	45	0
Greece	2020	0	3	13	33	23	23	5
Spain	2021	3	1	11	27	19	37	1
France	2021	5	2	14	22	17	39	0
Croatia	2021	5	2	11	18	36	28	-
Italy	2021	2	2	11	24	17	41	3
Cyprus	2020	0	0	33	11	22	33	-
Latvia	2020	7	2	9	23	23	32	5
Lithuania	2021	6	0	6	28	28	33	0
Luxembourg	2021	0	0	30	30	30	10	0
Hungary	2020	7	0	9	30	20	35	0
Malta	2019	20	0	20	40	20	0	0
Netherlands	2021	6	3	11	17	16	47	0
Austria	2021	1	3	5	22	27	42	0
Poland	2020	4	3	16	23	18	36	0
Portugal	2020	2	3	6	26	17	45	0
Romania	2021	7	2	8	22	22	39	0
Slovenia	2021	14	0	5	14	38	29	-
Slovakia	2020	2	2	18	25	30	22	-
Finland	2020	2	8	16	27	14	33	0
Sweden	2019	0	2	8	29	10	52	0
European Union	2021	4	2	11	23	20	39	1
Iceland	2021	0	0	0	50	0	50	0
Norway	2021	19	6	25	19	6	25	0
Switzerland	2021	0	2	9	11	20	59	0

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. Percentage of male fatalities by age group and by country for the last available year.

Country	Year	<15	15 - 17	18 - 24	25 - 49	50 - 64	65+	Unknown
Belgium	2021	2	1	12	37	21	25	2
Bulgaria	2021	3	4	11	37	20	24	0
Czechia	2020	0	1	12	44	21	23	1
Denmark	2021	1	2	16	26	22	33	-
Germany	2021	2	2	12	29	25	30	0
Estonia	2020	0	0	10	58	12	20	-
Ireland	2017	3	4	18	46	17	14	0
Greece	2020	2	1	13	40	18	24	2
Spain	2021	1	2	11	40	26	19	0
France	2021	3	3	18	34	19	22	0
Croatia	2021	3	3	15	39	23	17	0
Italy	2021	1	2	10	35	22	28	2
Cyprus	2020	0	0	18	33	15	33	-
Latvia	2020	3	1	13	38	23	16	5
Lithuania	2021	2	4	12	41	26	15	1
Luxembourg	2021	0	0	36	29	29	7	0
Hungary	2020	1	2	8	42	26	20	0
Malta	2019	0	0	0	36	0	64	0
Netherlands	2021	2	4	14	27	18	36	0
Austria	2021	2	7	13	32	24	22	0
Poland	2020	1	2	15	42	22	18	0
Portugal	2020	2	1	10	41	24	23	0
Romania	2021	3	1	10	36	26	23	0
Slovenia	2021	0	3	12	31	31	23	0
Slovakia	2020	3	1	12	48	21	15	-
Finland	2020	1	6	9	34	20	30	0
Sweden	2019	2	2	9	38	20	28	0
European Union	2021	2	2	13	36	22	24	1
Iceland	2021	14	0	0	14	29	43	0
Norway	2021	0	6	12	31	28	22	0
Switzerland	2021	1	1	12	25	22	38	0

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

The following tables show the percentage of fatalities by crash area and by transport mode for the major groups. The percentages for countries with less than 10 fatalities per year are omitted from these tables.

3.6.1 Pedestrians

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

country	year	urban	rural	motorway	unknown
Belgium	2021	76	15	9	0
Bulgaria	2021	67	29	4	0
Czechia	2020	65	31	4	0
Denmark	2021	68	21	11	0
Germany	2021	75	19	6	0
Estonia	2020	57	43	0	0
Ireland	2017	58	42	0	0
Greece	2020	83	14	3	0
Spain	2021	61	18	22	0
France	2021	72	20	8	0
Croatia	2021	78	14	8	0
Italy	2021	75	21	4	0
Cyprus	2020	77	8	15	0
Latvia	2020	47	53	0	0
Lithuania	2021	71	21	7	0
Hungary	2020	57	38	6	0
Netherlands	2021	60	35	5	0
Austria	2021	62	30	8	0
Poland	2020	67	30	2	0
Portugal	2020	81	11	8	0
Romania	2021	81	18	1	0
Slovenia	2021	40	47	13	0
Slovakia	2020	73	20	6	0
Finland	2020	64	23	14	0
Sweden	2019	63	30	7	0
European Union	2021	69	22	6	3
Switzerland	2021	86	14	0	0

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

Numbers for Luxembourg, Malta, Iceland and Norway are too small to calculate reliable percentages.

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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet.

3.6.2 Cyclists

Table 28. Percentage of fatalities by crash area and by country for the last available year, cyclists.

country	year	urban	rural	motorway	unknown
Belgium	2021	43	57	0	0
Bulgaria	2021	65	35	0	0
Czechia	2020	35	65	0	0
Denmark	2021	76	24	0	0
Germany	2021	54	46	0	0
Estonia	2020	0	100	0	0
Ireland	2017	36	64	0	0
Greece	2020	67	33	0	0
Spain	2021	33	56	11*	0
France	2021	43	57	0	0
Croatia	2021	61	39	0	0
Italy	2021	60	40	0	0
Cyprus	2020	100	0	0	0
Latvia	2020	24	76	0	0
Lithuania	2021	64	36	0	0
Luxembourg	2020	33	67	0	0
Hungary	2020	75	25	0	0
Malta	2018	100	0	0	0
Netherlands	2021	63	37	1	0
Austria	2021	54	46	0	0
Poland	2020	58	42	0	0
Portugal	2020	79	21	0	0
Romania	2021	77	23	1	0
Slovenia	2021	90	10	0	0
Slovakia	2020	62	38	0	0
Finland	2020	74	26	0	0
Sweden	2019	65	24	0	12
European Union	2021	56	43	1	1
Iceland	2021	100	0	0	0
Norway	2021	50	50	0	0
Switzerland	2021	62	38	0	0

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

Numbers for Estonia, Cyprus, Luxembourg, Malta, Iceland and Norway are too small to calculate reliable percentages.

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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet.

*Including autovías that may permit slow traffic like cyclists.

3.6.3 Moped drivers and passengers

Table 29. Percentage of fatalities by crash area and by country for the last available year, drivers and passengers on mopeds.

country	year	urban	rural	motorway	unknown
Belgium	2021	50	44	6	0
Germany	2021	43	57	0	0
Greece	2020	67	29	4	0
Spain	2021	55	37	8	0
France	2021	52	46	2	0
Italy	2021	64	36	0	0
Hungary	2020	69	31	0	0
Netherlands	2021	47	53	0	0
Austria	2021	38	62	0	0
Poland	2020	51	49	0	0
Portugal	2020	65	35	0	0
Romania	2021	88	12	0	0
Slovakia	2020	50	50	0	0
European Union	2021	55	42	1	1

Area distribution is shown for the last year with available data for that country. Data for Ireland was not available.

Numbers for Bulgaria, Czechia, Denmark, Estonia, Croatia, Cyprus, Latvia, Lithuania, Luxembourg, Slovenia, Finland, Sweden, Norway and Switzerland are too small to calculate reliable percentages.

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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet.

3.6.4 Motor cycle drivers and passengers

Table 30. Percentage of fatalities by crash area and by country for the last available year, drivers and passengers on motor cycles.

country	year	urban	rural	motorway	unknown
Belgium	2021	32	53	15	0
Bulgaria	2021	36	62	2	0
Czechia	2020	26	67	7	0
Denmark	2021	33	67	0	0
Germany	2021	15	80	6	0
Ireland	2017	42	58	0	0
Greece	2020	70	26	4	0
Spain	2021	29	50	21	0
France	2021	31	62	8	0
Croatia	2021	57	40	3	0
Italy	2021	47	48	4	0
Cyprus	2020	64	29	7	0
Lithuania	2021	50	50	0	0
Hungary	2020	24	74	2	0
Netherlands	2021	30	57	11	2
Austria	2021	19	77	4	0
Poland	2020	46	52	2	0
Portugal	2020	54	35	10	0
Romania	2021	71	29	0	0
Slovenia	2021	33	67	0	0
Finland	2020	45	55	0	0
Sweden	2019	24	66	7	3
European Union	2021	37	55	7	1
Norway	2021	7	93	0	0
Switzerland	2021	21	74	4	0

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

No recent data available for Slovakia.

Numbers for Estonia, Latvia, Luxembourg, Malta and Iceland are too small to calculate reliable percentages.

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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet.

3.6.5 Car occupants

Table 31. Percentage of fatalities by crash area and by country for the last available year, occupants of cars (including taxis).

country	year	urban	rural	motorway	unknown
Belgium	2021	20	60	20	0
Bulgaria	2021	20	74	6	0
Czechia	2020	17	78	5	0
Denmark	2021	6	80	15	0
Germany	2021	14	70	16	0
Ireland	2017	12	85	4	0
Greece	2020	40	52	8	0
Spain	2021	11	68	21	0
France	2021	20	70	9	0
Croatia	2021	55	35	10	0
Italy	2021	30	61	9	0
Cyprus	2020	50	44	6	0
Latvia	2020	23	77	0	0
Lithuania	2021	37	54	9	0
Luxembourg	2021	7	93	0	0
Hungary	2020	16	78	7	0
Netherlands	2021	21	61	18	1
Austria	2021	15	71	14	0
Poland	2020	29	69	2	0
Portugal	2020	43	39	17	0
Romania	2021	46	51	3	0
Slovenia	2021	25	62	12	0
Slovakia	2020	23	68	9	0
Finland	2020	10	85	5	0
Sweden	2019	9	78	12	2
European Union	2021	24	65	9	2
Norway	2021	10	90	0	0
Switzerland	2021	20	62	18	0

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

Numbers for Estonia, Malta and Iceland are too small to calculate reliable percentages. 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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet.

3.6.6 Lorry occupants

Table 32. Percentage of fatalities by crash area and by country for the last available year, occupants of lorries.

country	year	urban	rural	motorway	unknown
Belgium	2021	14	54	32	0
Czechia	2019	8	85	8	0
Denmark	2021	0	100	0	0
Germany	2021	12	34	53	0
Greece	2020	32	63	5	0
Spain	2021	8	67	24	0
France	2021	18	67	15	0
Croatia	2021	40	30	30	0
Italy	2021	18	48	34	0
Hungary	2020	10	55	35	0
Netherlands	2021	18	55	27	0
Austria	2021	13	60	27	0
Poland	2020	14	81	5	0
Portugal	2020	51	41	7	0
Romania	2021	42	54	4	0
Finland	2020	10	90	0	0
Sweden	2019	8	81	12	0
European Union	2021	20	59	21	0

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

Data for Estonia, Ireland and Poland was not available.

Numbers for Bulgaria, Cyprus, Latvia, Lithuania, Luxembourg, Slovenia, Slovakia, Iceland, Norway and Switzerland are too small to calculate reliable percentages.

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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet.

3.6.7 Heavy goods vehicle occupants

Table 33. Percentage of fatalities by crash area and by country for the last available year, occupants of heavy goods vehicles.

country	year	urban	rural	motorway	unknown
Belgium	2021	7	20	73	0
Bulgaria	2021	9	82	9	0
Czechia	2020	26	43	31	0
Germany	2021	3	22	75	0
Greece	2020	40	20	40	0
Spain	2021	0	45	55	0
France	2021	14	43	43	0
Italy	2021	8	24	68	0
Poland	2020	19	74	6	0
Romania	2021	38	54	8	0
European Union	2021	13	41	45	1

Area distribution is shown for the last year with available data for that country.
Data for Poland was not available.

No recent data available for Luxembourg

Numbers for Denmark, Estonia, Ireland, Croatia, Cyprus, Latvia, Lithuania, Hungary, Netherlands, Austria, Portugal, Slovenia, Slovakia, Finland, Sweden, Iceland, Norway and Switzerland are too small to calculate reliable percentages.

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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet.

3.6.8 Occupants of buses and coaches

Table 34. Percentage of fatalities by crash area and by country for the last available year, occupants of buses and coaches.

country	year	urban	rural	motorway	unknown
Bulgaria	2021	4	4	92	0
Croatia	2021	0	0	100	0
European Union	2021	24	19	55	2

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

No recent data available for Denmark, Ireland, Greece and Cyprus

Numbers for Belgium, Czechia, Germany, Estonia, Spain, France, Italy, Latvia, Lithuania, Hungary, Malta, Netherlands, Austria, Poland, Portugal, Romania, Slovenia, Slovakia, Finland, Sweden, Iceland, Norway and Switzerland are too small to calculate reliable percentages.

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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet.

4 Crash characteristics

4.1 Time of crash

4.1.1 Time of crash: monthly pattern

Table 35. Percentage 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	2020	7	11	8	5	8	8	7	10	15	8	6	7
Bulgaria	2020	8	5	5	5	7	8	9	11	13	11	8	9
Czechia	2020	7	8	7	9	7	9	8	12	9	8	7	8
Denmark	2020	11	6	6	9	3	7	10	7	13	9	8	11
Germany	2021	5	5	7	7	8	10	11	9	11	10	8	8
Estonia	2020	15	7	3	5	5	14	5	12	7	7	12	8
Greece	2020	9	8	4	4	9	9	10	12	12	11	9	5
Spain	2020	9	9	7	3	5	6	12	10	11	11	7	10
France	2020	10	9	6	4	8	8	12	10	10	8	7	8
Croatia	2020	10	8	5	7	8	11	16	9	8	5	8	5
Italy	2020	10	9	5	2	7	9	12	11	10	11	6	7
Cyprus	2020	10	8	6	0	6	6	15	8	10	8	4	17
Latvia	2020	12	5	6	4	4	9	4	12	13	8	12	10
Lithuania	2021	11	5	5	5	9	6	9	13	7	12	12	5
Luxembourg	2021	4	8	4	0	4	4	12	0	17	17	21	8
Hungary	2020	6	7	7	5	7	6	11	10	13	13	7	9
Netherlands	2021	5	5	8	7	10	10	12	8	10	7	10	8
Austria	2021	3	4	6	9	7	12	11	11	13	9	8	6
Poland	2020	8	8	7	6	7	8	9	10	9	12	9	9
Portugal	2020	9	7	6	4	9	10	13	10	10	10	6	7
Romania	2020	7	7	7	4	6	8	10	12	12	8	8	10
Slovenia	2021	1	3	7	7	15	10	13	15	12	4	11	3
Slovakia	2020	8	6	9	10	10	10	11	12	9	6	6	4
Finland	2020	8	8	9	7	8	9	12	12	9	8	7	4
European Union	2021	8	7	6	5	7	9	11	10	10	10	8	8
Iceland	2021	33	11	0	0	0	0	0	0	0	0	44	11
Norway	2020	9	10	8	6	8	10	10	10	2	11	8	11
Switzerland	2020	6	8	5	7	10	8	11	11	13	8	7	6

Data for Ireland, Malta and Sweden 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 36. Weekly pattern (percentage of total) in fatalities by country for the last available year.

Country	Year	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Belgium	2020	12	15	11	16	14	15	16
Bulgaria	2020	12	10	16	14	16	15	15
Czechia	2020	16	12	13	15	18	14	12
Denmark	2020	13	12	16	12	22	10	15
Germany	2021	14	15	13	14	14	16	12
Estonia	2020	20	7	12	8	10	29	14
Greece	2020	12	14	14	15	15	16	14
Spain	2020	14	13	13	14	14	16	15
France	2020	13	14	15	12	16	16	14
Croatia	2020	18	7	16	12	13	19	14
Italy	2020	12	13	13	15	15	16	16
Cyprus	2020	15	8	15	17	15	15	17
Latvia	2020	14	14	12	14	17	18	12
Lithuania	2021	17	13	16	14	14	18	9
Luxembourg	2021	4	12	25	12	8	12	25
Hungary	2020	13	15	14	14	16	14	13
Netherlands	2021	12	12	14	16	16	15	15
Austria	2021	13	15	15	13	17	14	13
Poland	2020	14	13	13	14	17	17	13
Portugal	2020	16	12	13	15	16	15	13
Romania	2020	16	14	13	13	18	13	14
Slovenia	2021	11	17	9	9	17	17	21
Slovakia	2020	12	18	18	11	18	12	11
Finland	2020	13	11	16	14	15	17	14
European Union	2021	14	13	14	14	16	16	14
Iceland	2021	11	0	33	11	0	33	11
Norway	2020	14	16	14	14	11	15	16
Switzerland	2020	15	11	14	17	15	17	11

Data for Ireland, Malta and Sweden 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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet

4.1.3 Time of crash: diurnal pattern

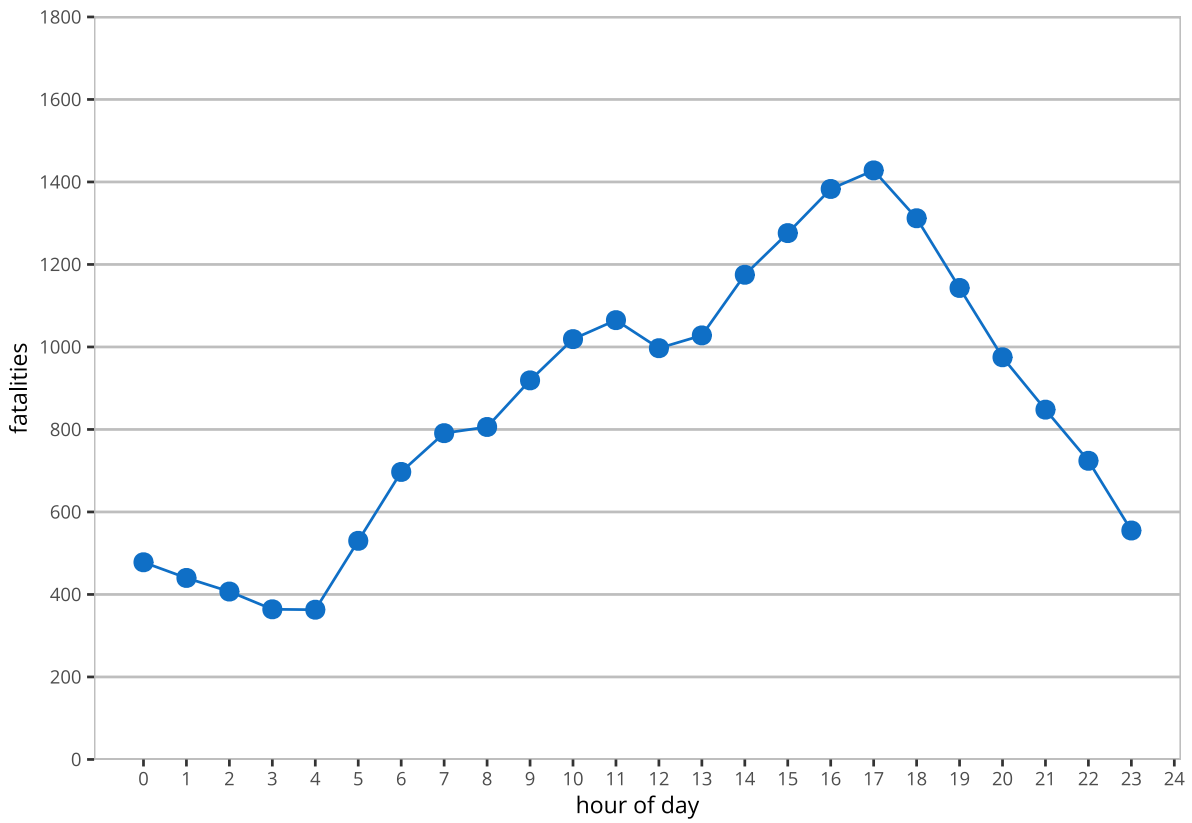
Table 37. Diurnal pattern in fatalities (percentage) by country for the last available year.

Country	Year	0-2h	3-5h	6-8h	9-11h	12-14h	15-17h	18-20h	21-23h
Belgium	2021	8	6	9	13	15	21	18	10
Bulgaria	2021	13	6	13	14	11	17	15	11
Czechia	2020	5	6	12	19	18	17	16	6
Denmark	2021	9	5	10	19	18	19	10	9
Germany	2021	4	6	10	16	20	24	13	7
Estonia	2020	7	8	5	17	20	19	17	7
Ireland	2017	12	9	10	13	19	13	16	8
Greece	2020	8	5	12	15	15	15	17	15
Spain	2021	7	5	11	14	16	16	16	14
France	2021	8	7	11	14	14	22	16	10
Croatia	2021	6	6	14	13	13	19	18	12
Italy	2021	7	5	9	15	14	19	19	11
Cyprus	2020	6	6	8	19	12	23	12	12
Latvia	2020	7	3	11	14	13	17	23	12
Lithuania	2021	3	2	8	11	16	26	18	16
Luxembourg	2021	17	0	12	8	12	12	17	21
Hungary	2020	4	7	18	15	14	19	16	8
Malta	2019	12	6	12	12	0	6	44	6
Netherlands	2021	7	4	9	14	21	23	14	7
Austria	2021	6	6	10	15	19	22	13	8
Poland	2020	5	8	11	12	14	20	18	12
Portugal	2020	7	4	11	14	14	18	19	13
Romania	2021	5	6	14	14	13	18	18	11
Slovenia	2021	7	4	11	13	19	18	16	12
Slovakia	2020	5	3	12	14	19	25	15	8
Finland	2020	10	7	10	13	19	16	15	10
Sweden	2019	10	7	5	19	16	22	14	6
European Union	2021	6	6	11	14	15	20	17	10
Iceland	2021	0	0	44	33	0	22	0	0
Norway	2021	8	5	9	14	19	19	20	8
Switzerland	2021	7	3	8	16	20	26	13	6

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.

Percentages may not add up to 100% due to rounding, please refer to exact data in Excel-sheet.

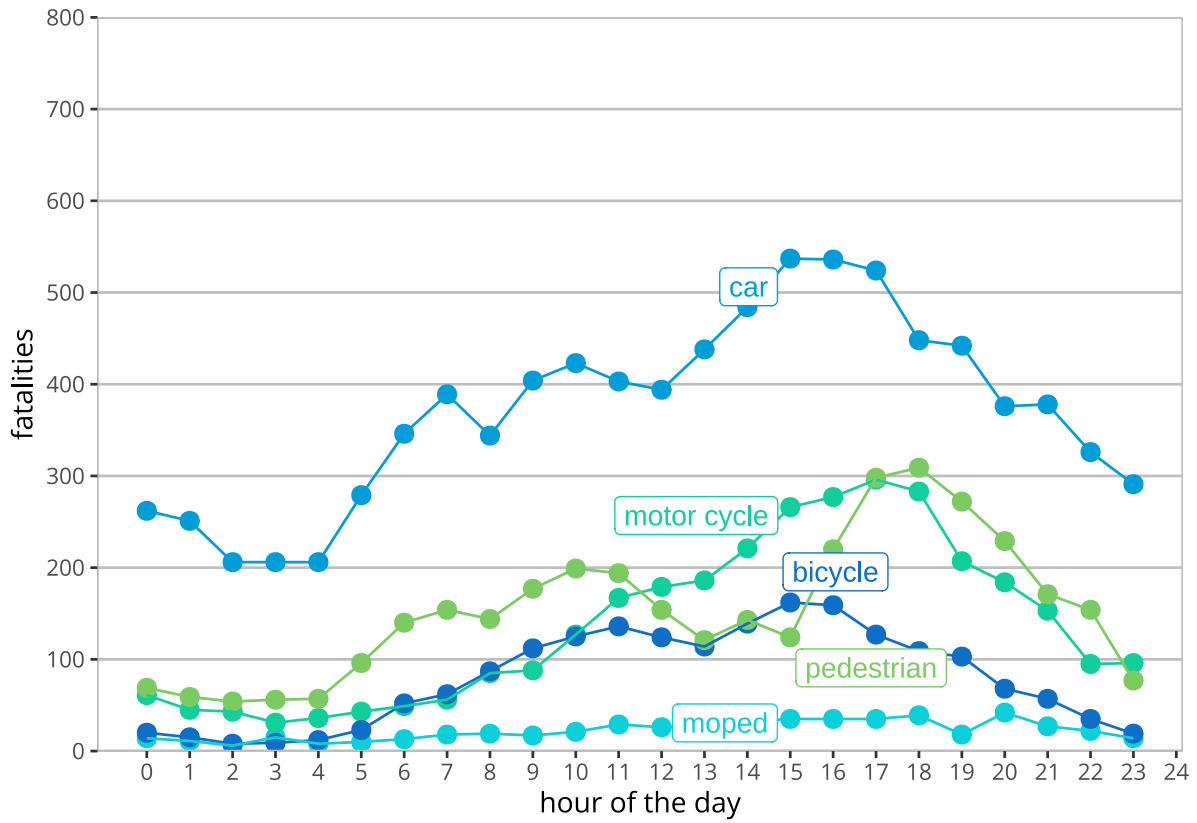
Figure 6. Number of fatalities by hour of day in the European Union⁵ 2021



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 2021



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 38. 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	2021	77	21	-	1	-	2	-	-
Bulgaria	2021	86	6	1	0	4	-	3	0
Czechia	2020	81	6	-	0	9	4	-	0
Denmark	2021	73	11	-	1	14	-	0	2
Germany	2021	79	-	-	-	-	-	-	21
Estonia	2020	75	10	0	0	12	2	-	2
Greece	2020	93	-	-	-	-	-	-	7
Spain	2021	80	5	0	4	8	0	-	3
France	2021	79	7	0	2	7	0	-	4
Croatia	2021	86	3	-	0	10	1	0	-
Italy	2021	82	7	-	2	9	0	-	-
Cyprus	2020	67	6	-	0	19	-	-	8
Latvia	2020	71	-	-	-	-	-	-	29
Lithuania	2021	76	-	-	-	-	-	-	24
Luxembourg	2021	92	0	0	4	4	-	0	-
Hungary	2020	84	8	0	0	7	-	-	0
Netherlands	2021	65	28	-	4	-	1	-	3
Austria	2021	77	10	0	0	9	3	-	-
Poland	2020	82	-	-	1	-	1	-	17
Portugal	2020	85	3	-	1	7	-	1	2
Romania	2021	89	10	-	-	-	1	-	-
Slovenia	2021	94	-	-	1	-	0	-	5
Slovakia	2020	86	5	0	0	9	-	-	0
Finland	2020	78	-	-	0	-	2	-	20
European Union	2021	81	7	0	1	5	0	0	5
Iceland	2021	78	22	-	0	0	-	0	-
Norway	2021	91	0	-	0	6	-	-	2
Switzerland	2021	-	10	-	2	-	-	-	88

Data for Ireland, Malta and Sweden 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 39. 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	2020	83	11	-	0	-	-	1	1	4
Bulgaria	2020	84	11	1	3	0	-	0	-	-
Czechia	2020	83	13	1	1	1	-	1	1	-
Denmark	2020	84	12	-	1	-	-	-	1	3
Germany	2020	-	-	-	0	-	-	0	1	98
Estonia	2020	51	47	-	-	-	-	2	-	-
Ireland	2016	80	16	1	3	-	-	-	-	-
Greece	2020	91	6	-	0	-	-	1	2	-
Spain	2020	90	6	0	3	0	-	1	-	1
France	2020	84	13	-	1	-	0	1	1	-
Croatia	2020	86	9	-	2	0	-	-	2	-
Italy	2020	85	6	0	1	0	-	0	7	-
Cyprus	2020	96	2	-	-	-	-	-	2	-
Latvia	2020	85	10	-	2	1	-	-	2	-
Lithuania	2020	87	10	1	1	-	-	1	-	-
Luxembourg	2020	83	12	-	4	-	-	-	-	-
Hungary	2020	86	9	-	4	0	-	-	-	-
Malta	2019	73	7	-	-	-	-	-	13	7
Netherlands	2020	85	8	-	1	-	-	1	-	6
Austria	2020	87	9	-	1	1	-	2	-	-
Poland	2020	65	14	-	2	1	-	1	18	-
Portugal	2020	85	13	-	2	-	-	0	-	-
Romania	2020	90	8	-	1	0	-	0	-	-
Slovenia	2020	90	10	-	-	-	-	-	-	-
Slovakia	2020	90	7	0	1	1	-	-	1	-
Finland	2020	75	6	3	1	4	-	-	-	11
Sweden	2019	76	4	2	5	4	-	-	-	8
European Union	2020	71	8	0	1	0	0	0	4	15
Iceland	2020	57	-	14	-	-	-	-	-	29
Norway	2020	51	9	-	2	8	-	-	21	9
Switzerland	2020	64	3	-	2	2	-	2	27	-

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 40. 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:				Unknown
		Daylight	Twilight	Lights lit	Lights unlit	No lights	None/unlit	
Belgium	2020	62	3	24	8	-	2	1
Bulgaria	2020	62	3	9	-	26	-	-
Czechia	2020	68	4	8	20	-	-	-
Denmark	2020	64	4	11	-	19	-	2
Germany	2020	71	5	-	-	-	-	24
Estonia	2020	65	-	11	5	18	-	-
Ireland	2016	56	-	13	2	28	-	-
Greece	2020	58	5	26	1	9	-	-
Spain	2020	61	7	11	2	19	-	-
France	2020	57	7	10	1	24	-	-
Croatia	2020	55	7	21	0	14	-	2
Cyprus	2020	56	-	33	-	10	-	-
Latvia	2020	51	5	9	-	35	-	-
Lithuania	2020	56	8	10	1	24	-	-
Luxembourg	2020	71	-	8	4	17	-	-
Hungary	2020	62	3	14	1	20	-	-
Malta	2019	27	-	60	7	-	-	7
Netherlands	2020	68	5	16	-	11	-	1
Austria	2020	66	4	10	20	-	-	-
Poland	2020	53	10	16	-	21	-	-
Portugal	2020	61	5	17	-	17	-	-
Romania	2020	57	7	18	2	15	-	-
Slovenia	2020	68	3	-	-	-	-	29
Slovakia	2020	67	4	9	-	20	-	-
Finland	2020	64	3	15	-	-	15	2
Sweden	2019	60	8	6	-	16	-	10
European Union	2020	53	5	10	2	12	0	17
Iceland	2020	57	-	14	-	-	-	29
Norway	2020	58	2	15	-	17	-	8
Switzerland	2020	73	6	9	-	12	-	0

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 (-).

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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 wheel chair, 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

ROUNDBABOUT

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.

