



Road Safety Country Overview





Structure and Culture

Basic Data

Table 1: Basic data of Denmark in relation to the EU average

| Basic data of Denmark | EU average |
|---|--------------------------------------|
| - Population: 5,707 million inhabitants (2016)[2] | 18,2 million (2016) |
| - Area: 43.100 km ² (2015)[2] | 159.678 km ² (2015) |
| (1,53% water) (2015)[4] | 2,94% water (2015) |
| - Climate and weather conditions (capital city; 2015) [3]: | (2015) |
| Average winter temperature (Nov. to April): 3,8°C | 6,5°C |
| Average summer temperature (May to Oct.): 13,5°C | 17,8°C |
| - Annual precipitation level: 613 mm | 651 mm |
| - Exposure: 52.151 million vehicle km (2015) [1] | 168.260 million vehicle km (2015) |
| - 0,50 vehicles per person (2015) [2] | 0,57 (2015) |
| Sources: [1] IRTAD; [2] EUROSTAT; [3] national sources; [4] CIA | |

Denmark is a small but densely populated country with a high GDP per capita.

Country characteristics

Table 2: Characteristics of Denmark in comparison to the EU average

| Characteristics of Denmark | EU average* |
|--|-------------------------------|
| - Population density: 132,4 inhabitants/km ² (2015) [2] | 114 inhabitants/km² (2015) |
| - Population composition (2015) [2] | |
| 17,0% children (0-14 years) | 15,6% children (2015) |
| 64,4% adults (15-64 years) | 65,6% adults |
| 18,6% elderly (65 years and over) | 18,9% elderly |
| - Gross Domestic Product (GDP) per capita: | |
| €47.62 (2015) [2] | €27.198 (2015) |
| - 88% of population lives inside urban area (2015)[4] | 73,3% (2015) |
| Special characteristics [4]: low and flat to gently rolling plains | |
| Sources: [1] IRTAD; [2] EUROSTAT; [3] national sources; [4] CIA | |



Structure of road safety management

Road safety is centralised and under the auspices of the Ministry of Transport.

The following key actors are responsible for Road Safety (RS) policy making:

Table 3: Key actors per function in Denmark

| Table 5: Key actors per function in Denmark | | | |
|--|---|--|--|
| Key functions | Key actors | | |
| 1.Formulation of national RS strategySetting targetsDevelopment of the RS programme | - Ministry of Transport and Building - Road Safety Commission | | |
| 2. Monitoring of the RS development in the country | - The Danish Road Directorate | | |
| 3. Improvements in road infrastructure | The Danish Road Directorate (state-owned roads)Municipalities (local roads) | | |
| 4. Vehicle improvement | - The Danish Transport and Construction Agency (also responsible for approval of independent vehicle inspection bodies) | | |
| 5. Improvement in road user education | - Danish Road safety council - Danish Transport and Construction Agency | | |
| 6. Publicity campaigns | - Danish Road safety council - The Danish Road Directorate | | |
| 7. Enforcement of road traffic laws | - Police | | |
| 8. Other relevant actors | - Research: DTU Transport (Danish Technical University and AAU (Aalborg University) | | |

The Danish Road Safety Commission is the main Agency dealing with Road Safety.

Sources: national sources



Attitudes towards risk taking

- Danish drivers are more supportive for stricter legislation on speeding and drink-driving compared to drivers in other countries.
- The perceived probability of being checked is lower than the ESRAaverage.

| ESRA average rs that show at least once 60% 38% 68% |
|---|
| 60% 38% 68% |
| 38% 68% |
| 68% |
| |
| |
| that disagree following |
| 61% |
| 87% |
| 41% |
| with answers g categories |
| 31% |
| 37% |
| 19% |
| |

Legend

(comparison of country attitude in relation to average attitude of other SARTRE countries):

2-9% better 10-19% better ≥ 20% better

Source: ESRA 2016

2-9% worse 10-19% worse

≥ 20% worse

Danish drivers are more supportive for stricter legislation on speeding and drink-driving compared to drivers in other countries.



The new Traffic Safety Action Plan of Denmark is based on Vision Zero.

Programmes and measures

National strategic plans and targets

- In May 2013, the new Traffic Safety Action Plan was launched with the following slogan "Every accident is one too many – a shared responsibility", which includes ten focus areas and is based on Vision Zero.
- Targets (referred to 2010):

Table 4: Road safety targets for Denmark

| Year | Fatalities | Serious Injuries | Minor Injuries |
|------|-----------------|------------------|----------------|
| 2020 | -50% Max 120 | Max. 1.000 | Max. 1.000 |

Source: IRTAD, 2016

- Priority topics:
 - Speeding
 - Alcohol and drugs
 - Inattention
 - Failure to wear seat belts and helmets
 - Pedestrians
 - Cyclists and moped riders
 - Young drivers under 24
- Accidents with oncoming traffic
- Single-vehicle accidents
- Accidents at rural junctions

(Source: IRTAD, 2017)

Road infrastructure

Table 5: Description of the road categories and their characteristics in Denmark

| Road type | General speed limits for passenger cars (km/h) |
|-------------|--|
| Urban roads | 50 |
| Rural roads | 80 |
| Motorways | 130 |

Source: EC DG-Move, 2017

Special rules for:

- About half of the motorway network has a signed speed limit of 110 km/h especially around the cities.
- For heavy vehicles, 50 km/h shall be obeyed on urban roads even if there is a higher local limit.
- Guidelines and strategic plans for infrastructure are available in Denmark.

(Sources: EC DG-Move, 2017; IRTAD, 2017)



In Denmark, high risk site treatment and road safety audits and inspections are obligatory parts of infrastructure management.

Allowed BAC limits for novice and professional drivers are higher in Denmark compared to the most common limits in the EU.

Table 6: Obligatory parts of infrastructure management in Denmark and other EU countries

| Obligatory parts in Denmark: | EU countries with obligation |
|-------------------------------|------------------------------|
| Safety impact assessment: no | 32% |
| Road safety audits: yes | 81% |
| Road safety inspections: yes | 89% |
| High risk site treatment: yes | 74% |

Sources: DG-TREN, 2010; national sources

• Recent infrastructural actions have been addressing: no information

Traffic laws and regulations

Table 7: Description of the regulations in Denmark in relation to the most common regulations in other EU countries

| common regulations in other to countries | | | |
|---|---|--|--|
| Regulations in Denmark [1] | Most common in EU (% of countries) | | |
| Allowed BAC ¹ levels: | | | |
| General population: 0,5‰Novice drivers: 0,5‰;Professional drivers: 0,5‰ | 0,5% (61%) 0,2% (39%) and 0,0% (36%) 0,2% (36%) and 0,0% (36%) | | |
| Phoning: | | | |
| - Hand held: not allowed - Hands free: allowed | Not allowed (all countries) Allowed (all countries) | | |
| Use of restraint systems: | | | |
| Driver: obligatoryFront passenger: obligatoryRear passengers: obligatoryChildren: obligatory | Obligatory (all countries) Obligatory (all countries) Obligatory (all countries) Obligatory (all countries) | | |
| Helmet wearing: | | | |
| Motor riders: ObligatoryMoped riders: ObligatoryCyclists: not obligatory | Obligatory (all countries) Obligatory (all countries) Not obligatory (46%) | | |
| Daytime running lights are recommendedA demerit point system is in place. [2] | | | |

Sources: [1] EC DG-Move, 2017; [2] WHO, 2013

Enforcement

Table 8: Effectiveness of enforcement effort in Denmark according to an international respondent consensus (scale = 0-10)

| Issue | Score for Denmark | Most common in EU (% of countries) |
|--|----------------------|------------------------------------|
| Speed legislation enforcement | not available | 7 (43%) |
| Seat-belt law enforcement | not available | 7 (25%) and 8 (25%) |
| Child restraint law enforcement | not available | 8 (39%) |
| Helmet legislation enforcement | not available | 9 (50%) |
| Drink-driving law enforcement Source: WHO, 2015 | not available | 8 (43%) |

¹ Blood Alcohol Concentration



Road User Education and Training

Road safety education, public campaigns and driving

licences thresholds are similar to those of most EU countries.

Table 9: Road user education and training in Denmark compared to the situation in other EU countries

| Education and training in Denmark | Most common in EU (% of countries) |
|--|---------------------------------------|
| General education programmes: | |
| - Primary school: compulsory | Compulsory (71%) |
| - Secondary school: compulsory | Compulsory (43%) |
| - Other groups: none | _ |
| Driving licences thresholds: | |
| - Passenger car: 18 years | 18 years (82%) |
| - Motorised two wheeler: 16 years (small | 16 years for low categories |
| moped), 18 years (small motorcycle), 20 | (68%) and 18 years for higher |
| years (large motorcycle). | categories (64%) |
| - Buses and coaches: 21 years | 21 years (89%) |
| - Lorries and trucks: 21 years | 21 years (71%) |

Sources: [1] ROSE25, 2005; [2] ETSC 2011; [3] national sources

Public Campaigns

Table 10: Public campaigns in Denmark compared to the situation in other EU countries

| Campaigns in Denmark | Most common issues in EU (% of countries) |
|--|--|
| Organisation: | |
| The National Road Administration The Danish Road Directorate The Danish Safety Council The police Municipalities | |
| Main themes: | |
| Drink-drivingSeat-beltSpeedingGive way | Drink-driving (96%) Speeding (86%) Seat-belt (79%) |

Sources: [1] SUPREME, 2005; [2] ETSC, 2011; [3] national sources

Vehicles and technology (national developments)

Table 11: Developments of vehicles and technology in Denmark compared to the situation in other EU countries

| Mandatory technical inspections: | Most common in EU (% of countries) |
|--|---------------------------------------|
| Passenger cars: first inspection after 4 years, then every 24 months | Every 12 months (39%) |
| Motorcycles: no period | Every 24 months (32%) |
| Buses or coaches: every 12 months | Every 12 months (61%) |
| Lorries or trucks: every 12 months | Every 12 months (68%) |

Sources: EC website, national sources

Mandatory vehicle inspection periods are somewhat longer for passenger cars than the most common periods in the EU; motorcycles do not have a mandatory period in Denmark.



The number of speed tickets per population in Denmark has increased over the years, however, it still remains lower than the EU average.

Road Safety Country Overview - DENMARK

Road Safety Performance Indicators

Speed

Table 12: Number of speed tickets per population in Denmark versus the EU

| average | | | | | | |
|--|------|------|-----------------------------|----------------------|--|--|
| Measure | 2006 | 2015 | Average annual change | EU average (2015) | | |
| Number of speed tickets/ 1.000 population | 47 | 73 | 5,0% | 94 | | |
| Sources: [1] ETSC, 2010; [2] ETSC, 2016 | | | | | | |

Table 13: Percentage of speed offenders per road type in Denmark compared to the EU average

| Road type | 2004 | 2008 | Average annual change | EU average |
|-------------|-------|--------|-----------------------------|---------------|
| Motorways | 68%* | 70% | 2,9% | n/a |
| Rural roads | 69%** | 72%*** | 1,1% | n/a |
| Urban roads | 63% | 61%*** | -0,6% | n/a |

Source: ETSC, 2010

Table 14: Mean speed per road type in Denmark compared to the EU average

| Road type | 2004 | 2013 | Average annual change | EU average |
|-------------|-----------|---------------|-----------------------------|---------------|
| Motorways | 116 km/h | 115 km/h | -0,1% | n/a |
| Rural roads | 84 km/h* | 84,8 km/h ** | 0,2% | n/a |
| Urban roads | 52,8 km/h | 52,2 km/h *** | -0,3% | n/a |

Sources: [1] ETSC, 2010; [2] ETSC, 2015

Alcohol

Table 15: Road side surveys for drink-driving in Denmark compared to EU average

| Measure | 2006 | 2015 | Average annual change | EU average (2015) |
|----------------------------------|------|------|-----------------------------|----------------------|
| Amount of tests/1.000 population | n/a | n/a | - | 209 |
| % tested over the limit | n/a | n/a | - | 2,2% |

Sources: [1] ETSC, 2010; [2] ETSC, 2016

In Denmark, no information is available on drink-driving offences.

^{*}Data from 2007

^{**}Data from 2005 ***Data from 2009

^{*}Data from 2005

^{**}Data from 2009

^{***}Data from 2008



The percentage of cars rated with 5 stars in Denmark is at the EU average.

Seat-belt wearing rates are higher in Denmark than on average in the EU.

Vehicles

Table 16: State of the vehicle fleet in Denmark compared to the EU average

| Vehicles | EU average |
|--|--------------------------------|
| Verificies | Lo average |
| Cars per age group (2008) [1]: | Passenger cars (2008) |
| - ≤ 2 years: 23,1% | ≤ 2 years: 14% |
| - 3 to 5 years: 18,1% | 3 to 5 years: 18% |
| - 6 to 10 years: 26,2% | 6 to 10 years: 26% |
| - > 10 years: 32,6% | >10 years: 42% |
| EuroNCAP occupant protection score of cars | |
| (new cars sold in 2013) [2]: | |
| - 5 stars: 52,6% | 5 stars: 52,5% |
| - 4 stars: 5,0% | 4 stars: 4,5% |
| - 3 stars: 9,3% | 3 stars: 2,9% |
| - 2 stars: 0,5% | 2 stars 0,5% |
| - not tested: 32,5% | not tested: 39,6% ² |

Sources: [1] EUROSTAT, 2017; [2] ETSC, 2016

Protective systems

Table 17: Protective system use in Denmark versus the average in EU

| Protective systems | EU average ³ |
|---|---|
| Daytime seat-belt wearing in cars and vans (2014) [1]: | (2016) |
| 96% front no information on % drivers no information on % front passenger 85% rear no information on % child restraints | not available 91,6% driver 92,4% front passenger 70,9% rear not available |
| Helmet use (2014): | not avaitable |
| 97% motorcycle riders [1]27% cyclists (2013) [2] | not available |

Sources: [1] IRTAD, 2017; [2] ETSC, 2015

² Based on data of 25 EU countries (excl. HR, LU and MT).

 $^{^3}$ Based on data of 17 EU countries; data of AT, DE, IE, IT, LT, FI, SE (2016); data of BE, CZ, HU, LU, PL, SI (2015); data of DK, HR, UK (2014); data of PT (2013)

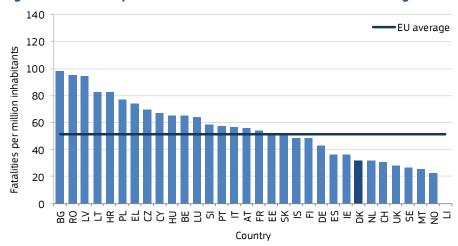


Road Safety Outcomes

General positioning

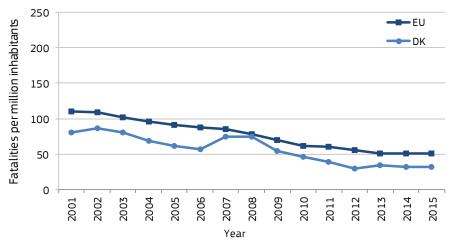
The fatality rate of Denmark is lower than the EU average (around 31 fatalities per million population in 2015). Apart from the years 2007-2008 the Danish rate and the EU rate showed similar developments.

Figure 1: Fatalities per million inhabitants in 2015 with EU average



Sources: CARE, Eurostat

Figure 2: Development of fatalities per million inhabitants between 2001 and 2015 for Denmark and the EU average



Sources: CARE, Eurostat

The fatality rate of Denmark is lower than the EU average. Apart from the years 2007-2008 it followed a similar trend as the EU average.



The shares of moped and cyclist fatalities are higher than the EU average.

Transport mode

The share of moped and cyclist fatalities is higher than the EU average. While the average annual number of motorcyclist fatalities rose between 2001 and 2015 (4% annually), there was a reduction of 9% for car occupants. In the same period, the annual reduction rates of pedestrian and cyclist fatalities were 4% and 6%.

Table 19: Reported fatalities by mode of road transport in Denmark compared to the EU average

| Transport mode | 2001 | 2015 | Average annual change | Share in 2015 | EU average (2015) |
|----------------------------|------|------|-----------------------------|---------------|-------------------------|
| Pedestrians | 49 | 27 | -4% | 15% | 21% |
| Car occupants | 242 | 74 | -9% | 42% | 46% |
| Motorcyclists | 12 | 19 | 4% | 11% | 15% |
| Mopeds | 43 | 19 | -6% | 11% | 3% |
| Cyclists | 56 | 26 | -6% | 15% | 9% |
| Bus/coach occupants | 2 | 0 | -100% | 0% | 0% |
| Lorries or truck occupants | 24 | 11 | -6% | 6% | 5% |

Sources: CARE, national sources

Age, gender and nationality

Table 20: Reported fatalities by age, gender and nationality in Denmark versus the EU average

| versus the Lo aver | uge | | | | | | |
|------------------------------|------|------|-----------------------------|------------------|-------------------------|--|--|
| Age and gender | 2001 | 2015 | Average annual change | Share in 2015 | EU average (2015) | | |
| Females | | | | | | | |
| 0-14 years | 8 | 2 | -10% | 1% | 1% | | |
| 15 - 17 years | 5 | 2 | -7% | 1% | 1% | | |
| 18 - 24 years | 12 | 5 | -7% | 3% | 3% | | |
| 25 - 49 years | 36 | 7 | -12% | 4% | 6% | | |
| 50 - 64 years | 17 | 12 | -3% | 7% | 4% | | |
| 65+ years | 39 | 17 | -6% | 10% | 10% | | |
| Males | | | | | | | |
| 0-14 years | 13 | 4 | -9% | 2% | 1% | | |
| 15 – 17 years | 18 | 2 | -16% | 1% | 2% | | |
| 18 – 24 years | 56 | 27 | -5% | 15% | 11% | | |
| 25 - 49 years | 111 | 47 | -6% | 26% | 29% | | |
| 50 - 64 years | 53 | 21 | -7% | 12% | 16% | | |
| 65+ years | 63 | 32 | -5% | 18% | 17% | | |
| Nationality of killed person | | | | | | | |
| National | n/a | 165 | n/a | 93% | n/a | | |
| Non-national | n/a | 13 | n/a | 7% | n/a | | |

Sources: CARE, national sources

Denmark has a similar share of road fatalities by age and gender to the EU average.



Location

Fatalities in rural areas and at junctions are over-represented in Denmark compared to the EU average.

Table 21: Reported fatalities by location in Denmark compared to the EU average

| Location | 2001 | 2015 | Average annual change | Share in 2015 | EU average (2015) |
|----------------|------|------|-----------------------------|------------------|-------------------------|
| Built-up areas | 125 | 62 | -5% | 35% | 37% |
| Rural areas | 268 | 100 | -7% | 56% | 54% |
| Motorways | 38 | 16 | -6% | 9% | 8% |
| Junctions | 122 | 55 | -6% | 31% | 20% |

Sources: CARE, national sources

Fatalities in rural areas and at junctions are over-represented in Denmark.

Lighting and weather conditions

Table 22: Reported fatalities by lighting and weather conditions in Denmark

compared to the EU average

| Conditions | 2001 | 2015 | Average annual change | Share in 2015 | EU average (2015) |
|----------------------|------|------|-----------------------------|------------------|-------------------------|
| Lightning conditions | | | | | |
| During daylight | 182 | 112 | -5% | 63% | 52% |
| During night-time | 233 | 61 | -8% | 34% | 31% |
| Weather conditions | | | | | |
| While raining | 47 | 18 | -7% | 10% | 9% |

Sources CARE, national sources

Single vehicle accidents

Table 23: Reported fatalities by type in Denmark compared to the EU average

| Accident Type | 2001 | 2015 | Average annual change | Share in 2015 | EU average (2015) |
|----------------|------|------|-----------------------------|------------------|-------------------------|
| Single vehicle | 107 | 50 | -6% | 28% | 29% |

Sources: CARE, national sources

Under-reporting of casualties

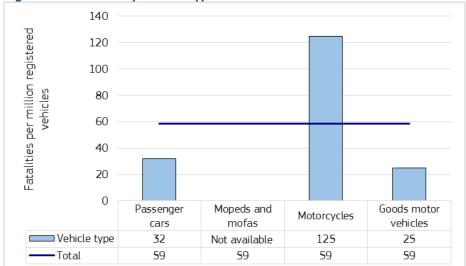
- Fatalities: 100%, due to improvements of the data recording systems.
- Hospitalised: no studies with quantitative information exist.

The proportion of fatal single vehicle accidents is similar to the EU average



Risk Figures

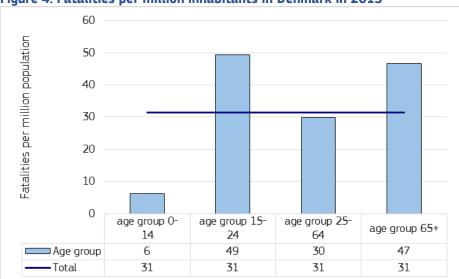
Figure 3: Fatalities by vehicle type in Denmark in 2015



Sources CARE, IRTAD; Number of registered mopeds and mofas was not available, Total = all motor vehicles excluding mopeds and mofas

In Denmark risk is high for motorcyclists and the elderly.

Figure 4: Fatalities per million inhabitants in Denmark in 2015



Sources: CARE, EUROSTAT



Social Cost

- The total cost of road accident casualties (fatalities and injuries) is estimated at 48,5 billion euros (2014).
- The following costs are an update of the values in Table 5.3 of the HEATCO Deliverable D5 (2006) to base year 2010. Each figure includes the value of safety per se (VSL⁴ for fatality, 13% of VSL for severe, 1% for light injury) and the value of direct and indirect economic costs (10% of VSL for fatality, severe and slight injury based on HEATCO (2005)). EU average based on the VSL of €1,7 million.
- The costs per casualty for 2010 are as follows:

Table 24: Cost (€) per injury type in Denmark versus the EU average

| Table 24. Cost (e) per hijury type in Denmark versus the Eo average | | | | | | |
|---|-------------------------|----------------------------|-----------------------|--|--|--|
| Country | Fatality | Severe injury | Slight injury | | | |
| Austria | 2.395.000 | 327.000 | 25.800 | | | |
| Belgium | 2.178.000 | 330.400 | 21.300 | | | |
| Bulgaria | 984.000 | 127.900 | 9.800 | | | |
| Croatia | 1.333.000 | 173.300 | 13.300 | | | |
| Cyprus | 1.234.000 | 163.100 | 11.900 | | | |
| Czech Republic | 1.446.000 | 194.300 | 14.100 | | | |
| Denmark | 2.364.000 | 292.600 | 22.900 | | | |
| Estonia | 1.163.000 | 155.800 | 11.200 | | | |
| Finland | 2.213.000 | 294.300 | 22.000 | | | |
| France | 2.070.000 | 289.200 | 21.600 | | | |
| Germany | 2.220.000 | 307.100 | 24.800 | | | |
| Greece | 1.518.000 | 198.400 | 15.100 | | | |
| Hungary | 1.225.000 | 164.400 | 11.900 | | | |
| Ireland | 2.412.000 | 305.600 | 23.300 | | | |
| Italy | 1.916.000 | 246.200 | 18.800 | | | |
| Latvia | 1.034.000 | 140.000 | 10.000 | | | |
| Lithuania | 1.061.000 | 144.900 | 10.500 | | | |
| Luxembourg | 3.323.000 | 517.700 | 31.200 | | | |
| Malta | 2.122.000 | 269.500 | 20.100 | | | |
| Netherlands | 2.388.000 | 316.400 | 25.500 | | | |
| Poland | 1.168.000 | 156.700 | 11.300 | | | |
| Portugal | 1.505.000 | 201.100 | 13.800 | | | |
| Romania | 1.048.000 | 136.200 | 10.400 | | | |
| Slovakia | 1.593.000 | 219.700 | 15.700 | | | |
| Slovenia | 1.989.000 | 258.300 | 18.900 | | | |
| Spain | 1.913.000 | 237.800 | 17.900 | | | |
| Sweden | 2.240.000 | 328.700 | 23.500 | | | |
| Great Britain | 2.170.000 | 280.300 | 22.200 | | | |
| EU average | 1.870.000 | 243.100 | 18.700 | | | |
| Source: Update of the Handbook of | on External Costs of Ti | ransport. Final Report. Re | port for the European | | | |

Source: Update of the Handbook on External Costs of Transport. Final Report Report for the European Commission: DG MOVE. Ricardo-AEA/R/ ED57769 Issue Number 1; 8th January 2014

Estimated costs per injury

type are higher in Denmark than in the EU on average.

⁴ Value of Statistical Life



Synthesis

Safety position

- Denmark is one of the best performing countries in the EU, with 31 fatalities per million population in 2015, which is much lower than the EU average.

Scope of problem

- The largest share of fatalities is that of car occupants, followed by cyclists and pedestrians. The rates of moped and cyclist fatalities are significantly higher than the EU average.
- The average annual number of motorcyclist fatalities rose between 2001 and 2015 (4% annually).
- Fatalities on rural roads and at junctions are over-represented in Denmark.
- In Denmark, fatal accident risk is high for motorcyclists and the elderly.
- More than 70% of all drivers exceed speed limits on rural roads.

The number of speed tickets per population in Denmark has increased over the years, however, it still remains lower than the EU average.

Recent progress

- Apart from the years 2007-2008 the Danish rate and the EU rate showed similar developments.
- The number of speed tickets per population in Denmark has increased over the years, however, it still remains lower than the EU average.

Remarkable road safety policy issues

- In 2013, the new Traffic Safety Action Plan was launched based on Vision Zero.
- Seat-belt wearing rates are much higher in Denmark than on average in the EU.
- Mandatory vehicle inspection periods are somewhat longer than the most common periods in the EU.
- In Denmark, the percentage of cars rated with 5 stars in Denmark is at the EU average.



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Notes

1. Country abbreviations

| | Belgium | BE | | Italy | IT | | Romania | RO |
|-----|----------------|----|------|-------------|----|------|----------------|----|
| | Bulgaria | BG | 2001 | Cyprus | CY | 5 | Slovenia | SI |
| | Czech Republic | CZ | | Latvia | LV | * | Slovakia | SK |
| | Denmark | DK | | Lithuania | LT | (3) | Finland | FI |
| | Germany | DE | | Luxembourg | LU | + | Sweden | SE |
| | Estonia | EE | | Hungary | HU | | United Kingdom | UK |
| | Ireland | ΙE | * | Malta | MT | | | |
| I | Greece | EL | | Netherlands | NL | ╫ | Iceland | IS |
| Á | Spain | ES | | Austria | AT | eti. | Liechtenstein | LI |
| | France | FR | | Poland | PL | ╂ | Norway | NO |
| *** | Croatia | HR | (*) | Portugal | PT | + | Switzerland | СН |

2. Sources: CARE (Community database on road accidents), EUROSTAT, ITF-IRTAD, National sources.

The full glossary of definitions of variables used in this Report is available at: http://ec.europa.eu/transport/road/safety/pdf/statistics/cadas/glossary.pdf

- 3. Data available in September 2017.
- 4. Average annual change is calculated with the power function between the first and last years:

[aac = $(b/a)^{1/n}$ -1, where aac: annual average change, a: first year value, b: last year value, n: number of years].

5. Explanation of symbols in Tables:

n/a: not available

- "-": not applicable (e.g. calculation cannot be performed)
- 6. This 2017 edition of Road Safety Country Overviews updates the previous version produced in 2012 within the EU co-funded research project <u>DaCoTA</u>.

7. Disclaimer

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8. Please refer to this Report as follows:

European Commission, Road Safety Country Overview - Denmark, European Commission, Directorate General for Transport, September 2017.



