



This document is part of a series of 30 country profiles: one for each Member State of the EU 27 and three EFTA countries (Iceland, Norway, and Switzerland). The purpose of this series is to provide an overview of the road safety situation in a specific country.

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# 1. Highlights

### **Road Safety Outcomes**

- In 2021, 532 people were killed and 1,580 people were seriously injured in road crashes in Czechia.
- Czechia is 17<sup>th</sup> out of 27 EU countries in terms of the lowest numbers of fatalities per million inhabitants.
- Compared to the EU average, the distribution of fatalities in Czechia shows a relatively high proportion fatalities on rural roads.
- Over the period 2012-2021, Czechia presented a similar to the EU decrease in road fatalities.

### **Road Safety Performance Indicators**

- The use rates of seat-belts among car occupants are higher in Czechia than the EU average, whilst the use of child restraint systems (CRS) is lower.
- Self-reported drink-driving is lower than the EU average.
- Czechia has an older passenger car fleet compared to the EU on average.

### **Road Safety Policy Measures & Country Characteristics**

- Czechia is one of the few countries in the European Union with a zero alcohol limit for all drivers.
- Road infrastructure in Czechia is characterized by high road density.
- Population density in Czechia is above the EU average. Its GDP per capita is below that of the European Union

# 2. Road Safety Outcomes

## 2.1 Road Safety Trends

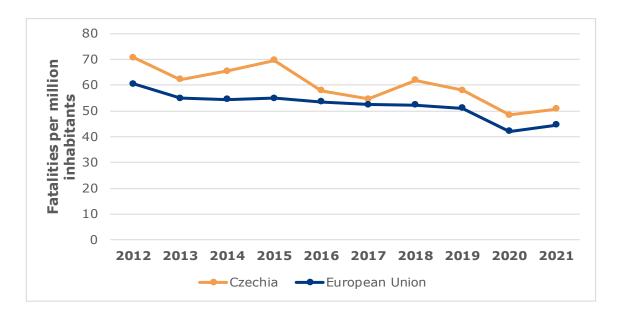
In Czechia, 532 people were killed and 1,580 people were seriously injured in road crashes in 2021<sup>a</sup>. Over the period 2012-2021, the number of fatalities in Czechia decreased by 28%, which is slightly higher than the European Union (EU) decrease (25%). The number of serious injuries showed also a significant decrease (46%) over the same period.

In terms of mortality rates, 51 road fatalities per million inhabitants were recorded in 2021, which is slightly higher than the EU average (45). Compared to the EU fatality trend, the mortality rate in Czechia showed more fluctuations during the period 2013-2018, and since then, a similar to the EU trend has been recorded.

**Table 1.** Number of fatalities and serious injuries, 2012 and 2021

|                  | 2012  | 2021  | Trend | EU trend |
|------------------|-------|-------|-------|----------|
| Fatalities       | 742   | 532   | -28%  | -25%     |
| Serious Injuries | 2,934 | 1,580 | -46%  | -        |

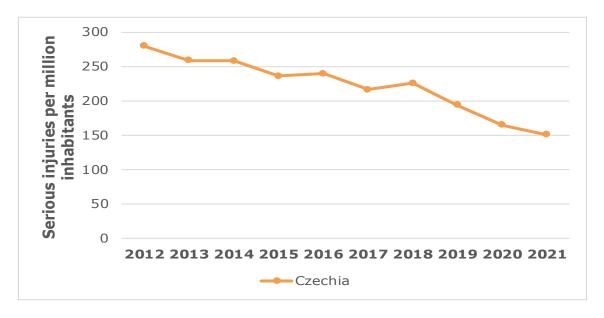
Figure 1. Mortality rate development, 2012 - 2021



<sup>&</sup>lt;sup>a</sup> It is noted that the global COVID-19 pandemic had an impact on the CARE data for 2020 and 2021 for many European countries. Traffic volumes dropped sharply during the pandemic due to traffic restrictions, which was associated with a significant drop in road traffic crashes and fatalities.

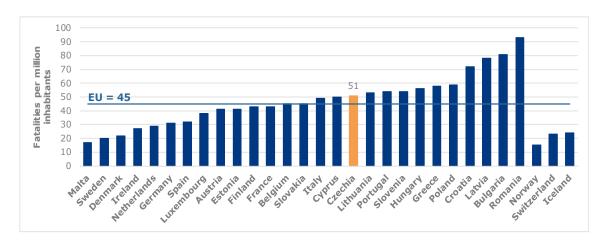
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**Figure 2.** Evolution of serious injuries per million inhabitants, 2012 – 2021



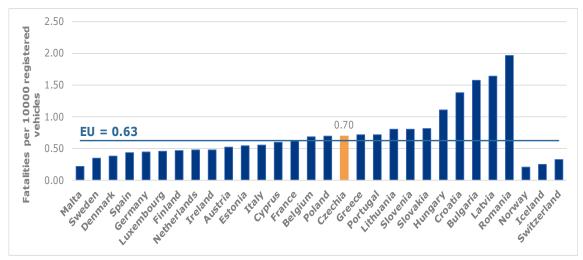
# 2.2 Risk Figures

Figure 3. Mortality rates by country, 2021



Taking into account the number of vehicles, the fatality rate per 10,000 vehicles in Czechia was 0.70, which is above the EU average (0,63).

**Figure 4.** Fatalities per thousand registered vehicles, 2021



## 2.3 Transport Mode

In 2021<sup>b</sup>, car occupants accounted for 46% of road traffic fatalities in Czechia, which is similar to the percentage observed in the EU as a whole (45%). The percentage of cyclists (17%) on the other hand is slightly higher than that in the European Union (9%).

Over the period 2012-2021, there has been a decrease in road fatalities and serious injuries for all transport modes. Both in fatalities and in serious injuries a high decrease was recorded for pedestrians (36% and 52% respectively). Furthermore, seriously injured cyclists were reduced by over a half (51%).

Of those vulnerable road users (VRUs: pedestrians, cyclists and powered two-wheelers) that were fatally injured in Czechia in crashes involving either passenger cars or buses/coaches or lorries and heavy goods vehicles, 71% were involved in a crash with a passenger car, and 25% were involved in a crash with a lorry or heavy goods vehicle.

Also, the number of fatalities in single vehicle crashes decreased more than in the EU over the period 2012-2021.

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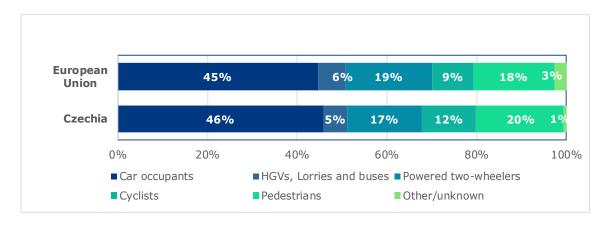
European Commission

<sup>&</sup>lt;sup>b</sup> Different shares of transport modes in the casualty numbers, as shown in this section, may also reflect differences in the size of the vehicle fleet and the usage of different modes rather than a difference in safety level.

Table 2: Number of fatalities by transport mode, 2012 and 2021

|                      | 2012 | 2021 | Trend | EU trend |
|----------------------|------|------|-------|----------|
| Bus/coach occupants  | 2    | 1    | -     | +26%     |
| Car occupants        | 368  | 244  | -34%  | -28%     |
| Cyclists             | 78   | 64   | -18%  | -12%     |
| Heavy goods vehicles | 25   | 15   | -40%  | -11%     |
| Lorries, under 3.5t  | 7    | 12   | -     | -14%     |
| Other/unknown        | 6    | 3    | -     | -13%     |
| Pedestrians          | 163  | 104  | -36%  | -34%     |
| Powered two-wheelers | 93   | 89   | -4%   | -18%     |
| Total                | 742  | 532  | -28%  | -25%     |

Figure 5. Distribution of road fatalities by transport mode, 2021



**Table 3:** Number of serious injuries by transport mode, 2012 and 2021

|                      | 2012  | 2021  | Trend |
|----------------------|-------|-------|-------|
| Bus/coach occupants  | 42    | 24    | -43%  |
| Car occupants        | 1,164 | 605   | -48%  |
| Cyclists             | 455   | 222   | -51%  |
| Heavy goods vehicles | 49    | 47    | -4%   |
| Lorries, under 3.5t  | 45    | 23    | -49%  |
| Other/unknown        | 23    | 28    | +22%  |
| Pedestrians          | 647   | 309   | -52%  |
| Powered two-wheelers | 509   | 322   | -37%  |
| Total                | 2,934 | 1,580 | -46%  |

**Table 4:** Number of VRU fatalities in crashes involving passenger cars, buses or coaches and lorries or heavy goods vehicles, 2012 and 2021

|   | 2012 | 2021 | Trend | EU trend |
|---|------|------|-------|----------|
| Crashes involving buses or coaches                | 9    | 8    | -     | -47%     |
| Crashes involving cars                            | 180  | 134  | -26%  | -29%     |
| Crashes involving lorries or heavy goods vehicles | 64   | 47   | -27%  | -15%     |

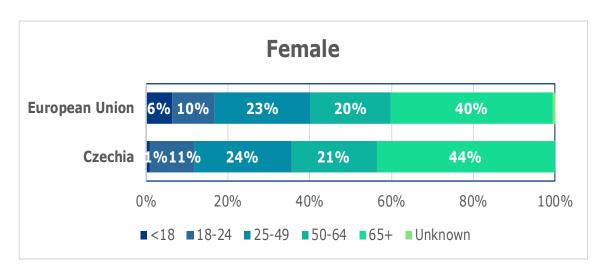
**Table 5:** Number of fatalities in single vehicle crashes by transport mode, 2012 and 2021

|                      | 2012 | 2021 | Trend | EU trend |
|----------------------|------|------|-------|----------|
| Bus/coach occupants  | 0    | 1    | -     | +47%     |
| Car occupants        | 170  | 99   | -42%  | -28%     |
| Cyclists             | 29   | 27   | -7%   | +37%     |
| Heavy goods vehicles | 8    | 4    | -     | -44%     |
| Lorries, under 3.5t  | 2    | 5    | -     | -12%     |
| Other/unknown        | 3    | 1    | -     | -20%     |
| Powered two-wheelers | 32   | 31   | -3%   | -16%     |
| Total                | 244  | 168  | -31%  | -23%     |

## 2.4 Age and Gender

The distribution of road fatalities across age groups in Czechia is similar to that of the EU, with a slightly higher share of female fatalities aged over 65 years old and male fatalities between 25 and 49 years old. Over the period 2012-2021, the number of fatalities dropped for all age groups and both genders. The number of seriously injured persons decreased also for all age groups and both genders.

Figure 6. Distribution of road fatalities by age and gender, 2021



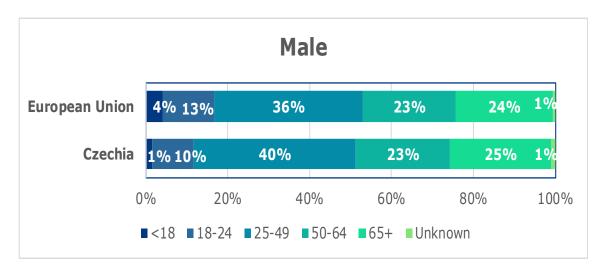


Table 6: Number of fatalities by age and gender, 2012 and 2021

|         | 2012 | 2021 | Trend | EU trend |
|---------|------|------|-------|----------|
| Female  |      |      |       |          |
| <18     | 9    | 1    | -     | -44%     |
| 18-24   | 18   | 12   | -33%  | -40%     |
| 25-49   | 59   | 26   | -56%  | -37%     |
| 50-64   | 30   | 23   | -23%  | -23%     |
| 65+     | 51   | 48   | -6%   | -25%     |
| Unknown | 0    | 0    | -     | -22%     |
| Total   | 167  | 110  | -34%  | -31%     |
| Male    |      |      |       |          |
| <18     | 8    | 6    | -     | -27%     |
| 18-24   | 78   | 42   | -46%  | -37%     |
| 25-49   | 252  | 162  | -36%  | -30%     |
| 50-64   | 114  | 94   | -18%  | -13%     |
| 65+     | 106  | 101  | -5%   | -8%      |
| Unknown | 2    | 4    | -     | -9%      |
| Total   | 560  | 409  | -27%  | -23%     |

**Table 7:** Number of serious injuries by age and gender, 2012 and 2021

|         | 2012 | 2021 | Trend |
|---------|------|------|-------|
| Female  |      |      |       |
| <18     | 22   | 16   | -27%  |
| 18-24   | 134  | 60   | -55%  |
| 25-49   | 377  | 165  | -56%  |
| 50-64   | 193  | 99   | -49%  |
| 65+     | 249  | 138  | -45%  |
| Unknown | 0    | 1    | -     |
| Total   | 975  | 479  | -51%  |

| Male    |       |       |      |
|---------|-------|-------|------|
| <18     | 52    | 21    | -60% |
| 18-24   | 307   | 124   | -60% |
| 25-49   | 855   | 522   | -39% |
| 50-64   | 376   | 214   | -43% |
| 65+     | 198   | 143   | -28% |
| Unknown | 3     | 2     | -    |
| Total   | 1,791 | 1,026 | -43% |

## 2.5 Area and Road Type

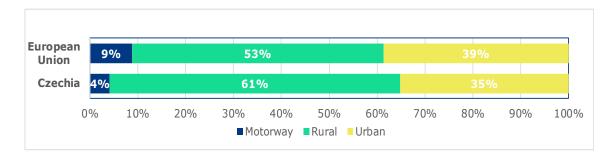
The majority of road fatalities in Czechia occurred on rural roads (61%). The proportion of fatalities on motorways in Czechia is lower than in the European Union as a whole.

Over the period 2012-2021, the number of fatalities and serious injuries decreased on all road types in Czechia except for motorways, where it remained stable (fatalities) or slightly increased (serious injuries).

Table 8: Number of fatalities by road type, 2012 and 2021

|          | 2012 | 2021 | Trend | EU trend |
|----------|------|------|-------|----------|
| Motorway | 22   | 22   | 0%    | -6%      |
| Rural    | 455  | 323  | -29%  | -28%     |
| Urban    | 265  | 187  | -29%  | -24%     |
| Unknown  | 0    | 0    | -     | -48%     |
| Total    | 742  | 532  | -28%  | -25%     |

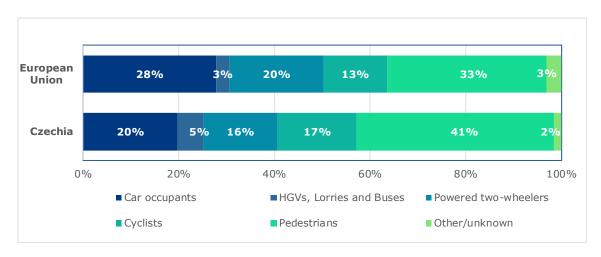
Figure 7. Distribution of road fatalities by road type, 2021



**Table 9:** Number of serious injuries by road type, 2012 and 2021

|          | 2012  | 2021  | Trend |
|----------|-------|-------|-------|
| Motorway | 57    | 72    | +26%  |
| Rural    | 1,309 | 720   | -45%  |
| Urban    | 1,568 | 788   | -50%  |
| Unknown  | 0     | 0     | -     |
| Total    | 2,934 | 1,580 | -46%  |

**Figure 8.** Distribution of road fatalities inside urban areas by type of transport mode, 2021



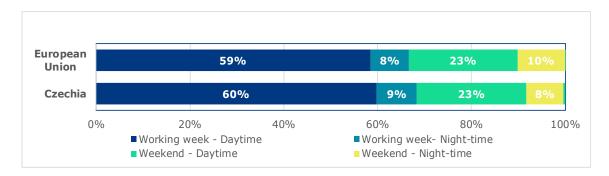
## 2.6 Time Period

The distribution of fatalities by day of the week and time of the day is similar to that for the European Union. Most fatalities occurred during working weekdays. Over the period 2012-2021, Czechia showed the largest downward trend for night-time fatalities during the weekend, which is in line with the EU average.

**Table 10:** Number of fatalities by time period, 2012 and 2021

|                          | 2012 | 2021 | Trend | EU trend |
|--------------------------|------|------|-------|----------|
| Working week - Daytime   | 433  | 318  | -27%  | -21%     |
| Working week- Night-time | 61   | 46   | -25%  | -30%     |
| Weekend - Daytime        | 150  | 124  | -17%  | -25%     |
| Weekend - Night-time     | 98   | 42   | -57%  | -39%     |
| Unknown                  | 0    | 2    | -     | -75%     |
| Total                    | 742  | 532  | -28%  | -25%     |

Figure 9. Distribution of road fatalities by time period, 2021



## 2.7 Lighting and Weather Conditions

According to the distribution of fatalities by lighting and weather conditions, the majority of fatalities both in Czechia and in the EU are during daylight and with dry weather conditions. During darkness and under raining conditions, road crash fatalities decreased more than in the EU on average. In addition, there is an increase in fatalities during twilight.

**Table 11:** Number of fatalities by lighting and weather conditions, 2012 and 2021

|                     | 2012 | 2021 | Trend | EU trend |
|---------------------|------|------|-------|----------|
| Lighting Conditions |      |      |       |          |
| Daylight            | 456  | 343  | -25%  | -17%     |
| Twilight            | 16   | 23   | +44%  | -25%     |
| Darkness            | 270  | 166  | -39%  | -33%     |
| Weather Conditions  |      |      |       |          |
| Dry                 | 605  | 447  | -26%  | -24%     |
| Rain                | 76   | 46   | -39%  | -28%     |
| Other/Unknown       | 61   | 39   | -36%  | -25%     |

# 3. Safety Performance Indicators

### 3.1 Road User Behaviour

**Table 12:** Road Safety Performance Indicators, 2022 or latest available year

|  | Czechia             | EU   |  |  |  |
|--|---------------------|------|--|--|--|
| Speeding <sup>c</sup>  |                     |      |  |  |  |
| % of passenger cars travelling within speed                                      | limits <sup>1</sup> |      |  |  |  |
| Motorways  | 39.8                | -    |  |  |  |
| Rural Roads  | 54.5                | -    |  |  |  |
| Urban Roads  | 57.3                | -    |  |  |  |
| Seat belt & CRS use rates (%) <sup>1,2</sup>                                     |                     |      |  |  |  |
| Front  | 95.8                | 93.3 |  |  |  |
| Rear   | 86.2                | 75.5 |  |  |  |
| Child restraint systems  | 36.9                | 67.0 |  |  |  |
| Helmet use rates (%) <sup>1</sup>  |                     |      |  |  |  |
| PTW driver   | 99.5                | 97.0 |  |  |  |
| PTW passenger  | 100.0               | 94.4 |  |  |  |
| Cyclist  | 50.3                | 37.8 |  |  |  |
| DUI of Alcohol <sup>3</sup> (self-reported)                                      |                     |      |  |  |  |
| % car drivers have driven at least once in the last 30 days over the legal limit | 7.0                 | 11.8 |  |  |  |
| Driver Distraction <sup>1</sup>  |                     |      |  |  |  |
| % of drivers not using hand-held mobile device/phone while driving               | 97.2                | 94.8 |  |  |  |

Sources: <sup>1</sup>Baseline project, <sup>2</sup>ETSC (2022), <sup>3</sup>ESRA3 project (2024), <sup>4</sup>national sources

European Commissio

<sup>&</sup>lt;sup>c</sup> An EU average is not available for speeding, due to different legal speed limits among countries, which does not allow for a straightforward comparison. Please also note that for some Safety Performance Indicators of Section 3, the EU average is based on a small number of EU Member States with available data (see Section 6.1).

# 3.2 Vehicle Safety

Table 13: Vehicle Safety Performance Indicators, 2019

|  | Czechia | EU   |
|--|---------|------|
| % of new passenger cars rated with 4 EuroNCAP stars and above <sup>1</sup> | 85.1    | 83.6 |
| Average age of passenger car fleet (years) <sup>2</sup>                    | 15.3    | 11.8 |

Sources: <sup>1</sup>Baseline project, <sup>2</sup>ACEA (2022)

## 3.3 Enforcement

**Table 14:** Number of traffic police tickets per thousand population, 2020

| Tickets per 1,000 population       | Czechia | EU    |
|------------------------------------|---------|-------|
| Speeding                           | 41.1    | 139.7 |
| Non-use of seat-belt               | 2.7     | 5.7   |
| Illegal use of mobile phone        | 2.7     | 4.4   |
| Driving above legal alcohol limits | 0.9     | 1.9   |

Source: ETSC (2022)

# 4. Road Safety Policy and Measures

# 4.1 National Road Safety Strategy

**Table 15**: National road safety strategy and targets

|                  | Czechia   |
|------------------|---|
| Timeframe        | 2021-2030   |
| Lead Authority   | Road Safety Department of the Ministry of Transport           |
| Targets          |   |
| Fatalities       | -50%  |
| Serious injuries | -50%  |
| Baseline Year    | Average 2017-2019   |
| SPIs             | Yes, for 8 KPIs   |
|                  | https://www.ibesip.cz/getattachment/Pro-odborniky/Narodni-    |
| Link             | strategie-BESIP/Aktualni-strategie/Czech-Road-Traffic-Safety- |
|                  | <u>Strategy-2021-30_11-11.pdf</u>                             |

Source: national sources

## 4.2 Traffic Laws and Regulations

National road safety legislation in Czechia reflects the situation in the majority of EU countries. The legislation regarding drink driving is stricter than in most European countries: there is a zero-alcohol limit for all drivers.

**Table 16**: National road safety legislation

|                          | Czechia              | Most common in EU                           |
|--------------------------|----------------------|---|
| Speed limits for         |                      |   |
| passenger cars (km/h)    |                      |   |
| Urban roads              | 50                   | 50: 26/27                                   |
| Rural roads              | 90                   | 90: 17/27                                   |
| Motorways                | 130                  | 130: 14/27                                  |
| Allowed BAC levels (g/l) |                      |   |
| General population       | 0.0                  | 0.5: 19/27                                  |
| Novice drivers           | 0.0                  | 0.2: 12/27, 0.0: 9/27                       |
| Professional drivers     | 0.0                  | 0.2: 10/27, 0.0: 9/27,<br>0.5: 6/27         |
| Seatbelt requirement     |                      | 3.3.3.4                                     |
| Drivers                  | Yes                  | Yes: 27/27                                  |
| Front Passenger          | Yes                  | Yes: 27/27                                  |
| Rear Passenger           | Yes                  | Yes: 27/27                                  |
| Child restraint systems  |                      |   |
| CRS required             | Up to 36 kg / 150 cm | up to 135 cm: 11/27,<br>up to 150 cm: 11/27 |
| Children in front seats  | Allowed in CRS       | Allowed in CRS: 22/27                       |

|                              | Czechia                       | Most common in EU                                    |
|------------------------------|-------------------------------|--|
| Children on motorcycles      | Prohibited under 12 years old | Prohibited under certain age/height: 18/27           |
| Helmet requirement           |                               |  |
| Powered Two Wheelers         | Yes                           | Yes: 27/27   |
| All roads                    | Yes                           | Yes: 27/27   |
| All engines                  | Yes                           | Yes: 25/27   |
| Cyclists                     | Yes                           | Not mandatory: 19/27                                 |
| Age restriction              | Up to 18 years                | Not restricted: 16/27                                |
| Mobile phone use             |                               |  |
| Hand-held phone use allowed  | No                            | No: 26/27  |
| Hands-free phone use allowed | Yes                           | Yes: 27/27   |
| E-scooters                   |                               |  |
| Age restriction              | Not restricted                | Not restricted: 9/27,<br>Allowed from 14 years: 6/27 |
| Max. speed limit             | 25 km/h                       | 25 km/h: 18/27                                       |
| Helmet required              | Up to 18 years old            | Not required: 12/27                                  |
| Allowed on road lanes        | Yes                           | Yes: 18/27   |
| Allowed on pavements         | No                            | No: 13/27, Yes: 9/27                                 |
| Allowed on bicycle paths     | Yes                           | Yes: 21/27   |

Sources: EC (2023), WHO (2018), FERSI (2020), National sources

# 4.3 Driving Licences

Table 17: Policies and regulations related to driving licences

|                                     | Czechia        | Most common in EU                            |
|-------------------------------------|----------------|--|
| Novice Drivers                      |                |  |
| Accompanied driving                 | No             | 17 years: 13/27,<br>No: 7/27                 |
| Probation period for novice drivers | -              | 2 years: 7/27,<br>3 years: 5/27              |
| Renewal procedure                   |                |  |
| Renewal procedure (compulsory)      | Yes            | Yes: 26/27                                   |
| Renewal interval                    | Every 10 years | Every 10years: 13/27,<br>Every 15years: 9/27 |
| Medical requirements                | Yes            | Yes: 22/27                                   |

Source: National sources

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# **4.4 Road Infrastructure**

Table 18: Policies and regulations related to road infrastructure

|  | Czechia | Most common in EU            |
|--|---------|------------------------------|
| Audits or star rating required for new road infrastructure | Partial | Yes: 10/27,<br>Partial:17/27 |
| Inspections / star rating of existing roads                | Yes     | Yes:26/27                    |
| Design standards for the safety of pedestrians / cyclists  | Yes     | Yes:25/27                    |
| Investments to upgrade high risk locations                 | No      | Yes:20/27                    |
| Policies & investment in urban public transport            | Yes     | Yes:23/27                    |
| Policies promoting walking and cycling                     | Yes     | Yes: 21/27                   |

Source: WHO (2018)

# 5. Structure and Culture

# **5.1 Country Characteristics**

Population density in Czechia is above the EU average. Its GDP per capita is below that of the EU, while the percentage of GDP dedicated to road spending is higher than the EU average.

Table 19: Country Characteristics, 2021

|   | Czechia    | EU          |
|---|------------|-------------|
| Demographics <sup>2</sup>   |            |             |
| Population (inhabitants)  | 10,494,836 | 447,000,548 |
| Population density (inh./km²)   | 138.6      | 109.0       |
| % children (0-17)   | 18.9       | 18.2        |
| % adults (18-64)  | 60.6       | 61.6        |
| % elderly (65+)   | 20.5       | 20.3        |
| % of urban population   | 74.3       | 75.2        |
| Economic Data <sup>2</sup>  |            |             |
| GDP per capita (euro)   | 22,270     | 32,560      |
| Infrastructure <sup>1</sup>   |            |             |
| Country Area (km²)  | 78,871     | 4,225,134   |
| Road network length (km)  | 130,757    | 4,473,380   |
| Road density (km/km²)   | 1.70       | 1.1         |
| % of motorways  | 1.03       | 1.67        |
| % GDP spent to road infrastructure <sup>3</sup>   | 0.8        | 0.4         |
| Vehicle Fleet <sup>1</sup>  |            |             |
| Vehicles per population   | 0.81       | 0.73        |
| % of passenger cars   | 71.2       | 77.3        |
| % of motorcycles  | 19.9       | 11.4        |
| % of HGVs   | 8.6        | 11.1        |
| % of buses  | 0.2        | 0.2         |
| Exposure <sup>1</sup>   |            |             |
| Modal split of passenger transport on   |            |             |
| land (passenger-km in %):   | 04.0       | 05.0        |
| - Passenger cars  | 81.9       | 85.2        |
| - Bus/coach/Metro/Tram  | 11.8       | 8.7         |
| Modal split of freight transport on land (tonne-km in %):   |            |             |
| - Road  | 75.1       | 74.6        |
| - Rail  | 22.3       | 16.4        |
| Environment <sup>1</sup>  | 22.5       | 1011        |
| CO2 emissions from road transport   | 10.1       | 720.0       |
| (million tonnes)  | 18.4       | 739.8       |
| Share of road transport emissions in  | 96.5       | 76.3        |
| total transport emissions (%) Sources: <sup>1</sup> FC (2023h), <sup>2</sup> Furostat, <sup>3</sup> OFCD (2023) |            |             |

Sources: <sup>1</sup>EC (2023b), <sup>2</sup>Eurostat, <sup>3</sup>OECD (2023)

# **5.2 Structure of Road Safety Management**

Table 20: Road Safety Management Structure

| Key Functions                                | Key Actors  |  |  |
|--|---|--|--|
| Formulation of national road safety strategy | <ul><li>Ministry of Transport</li><li>Czech Governmental Council for Road Safety</li></ul>  |  |  |
| Monitoring of the road safety development    | - Ministry of Transport   |  |  |
| Improvements in road infrastructure          | - Ministry of Transport (Road administration directorate)   |  |  |
| Improvement in vehicles                      | - Ministry of Transport: vehicle licensing and technical inspection   |  |  |
| Improvement in road user education           | <ul><li>Ministry of Transport</li><li>Transport Research Centre (CDV)</li></ul>   |  |  |
| Publicity campaigns                          | <ul><li>Ministry of Transport</li><li>Ministry of Interior</li><li>Police</li><li>NGOs</li></ul>  |  |  |
| Enforcement of traffic laws                  | - Police  |  |  |
| Other relevant actors                        | <ul> <li>Ministry of Health</li> <li>Transport Research Centre (CDV)</li> <li>NGOs: NGOs (mainly campaigning and road traffic education), e.g.: National Healthy Cities Network, Partnership Foundation, Central Auto Club, Auto Club of the Czech Republic, Road Safety Foundation, CESMAD Bohemia, the association of road haulers, Czech Association of Road Accident Victims</li> </ul> |  |  |

Source: National sources

# 5.3 Self-declared behaviour & Attitudes

Table 21: Self-declared behaviour and attitudes

|   | Czechia | EU Average | Ranking among<br>EU countries |
|---|---------|------------|-------------------------------|
| Risk Taking   |         |            |                               |
| % at least once in the past 30 days   |         |            |                               |
| <ul> <li>drive after drinking alcohol</li> </ul>  | 5.1     | 17.0       | 2/18                          |
| <ul> <li>drive faster than the speed limit<br/>inside urban areas</li> </ul>  | 65.0    | 55.7       | 15/18                         |
| <ul> <li>transport children under 150cm<br/>without using CRS</li> </ul>  | 16.9    | 17.2       | 6/18                          |
| Enforcement Perception  |         |            |                               |
| % of likely of being checked for  |         |            |                               |
| - drink-driving   | 21.8    | 16.8       | 3/18                          |
| <ul> <li>respecting speed limits</li> </ul>   | 31.3    | 34.4       | 12/18                         |
| <ul> <li>using of hand-held mobile phone<br/>while driving</li> </ul>   | 15.7    | 15.0       | 8/18                          |
| Support for policy measures   |         |            |                               |
| % of support to a legal obligation to   |         |            |                               |
| <ul> <li>zero tolerance for all novice<br/>drivers</li> </ul>   | 80.8    | 76.6       | 2/18                          |
| <ul> <li>limiting the speed limit to<br/>30km/h in all built-up areas<br/>(except on main thoroughfares)</li> </ul> | 24.4    | 38.3       | 18/18                         |
| - requiring all cyclists to wear a helmet   | 56.1    | 60.1       | 9/18                          |

Source: ESRA3 project (2024)

## 6. Notes

### **6.1 Data Sources**

### **CARE (Community database on road accidents in Europe)**

All information in section 1 of the Country Profile is based on the CARE database. The full glossary of definitions of variables used in this Report is available at EC Mobility & Transport - Road Safety webpage.

The European average is based on the average of the 27 EU countries. EU trends and aggregated figures are based on the most recent figures available (2021). In case of missing values, the EU averages and aggregated data were produced by imputing figures based on data from previous years. For values less than 10, the trend is not shown since it may be due to randomness. Also, due to missing data on serious injuries for some EU countries, EU total/average is not calculated. Date of extraction: July 2023

### **ACEA (2022)**

European Automobile Manufacturers' Association. *The automobile industry - Pocket guide 2022/2023*. ACEA, 2022. https://www.acea.auto/files/ACEA Pocket Guide 2022-2023.pdf

Data on the average age of the passenger car fleet come from the ACEA. The European average is based on the average of 24 EU countries. Date of extraction: July 2023

### **Baseline project**

Information in section 3 is based on Key Performance Indicators collected within the Baseline project.

https://road-safety.transport.ec.europa.eu/statistics-and-analysis/data-and-analysis/key-performance-indicators-kpis en

Alternative sources were used for countries with no available data in the Baseline project (e.g., ETSC, national sources). The European average is based on the average of 17 EU countries for speeding, 23 EU countries for seat-belt use, 13 EU countries for CRS use, 14 EU countries for helmet use, 14 EU countries for driver distraction and 13 EU countries for vehicle safety. Date of extraction: July 2023

### **European Commission 2023**

Data were retrieved from EC Mobility & Transport - Road Safety website: <a href="https://europa.eu/youreurope/citizens/travel/driving-abroad/road-rules-and-safety/index">https://europa.eu/youreurope/citizens/travel/driving-abroad/road-rules-and-safety/index</a> en.htm

Date of extraction: July 2023

European Commission

### **European Commission - Statistical Pocketbook 2023 (b)**

European Commission, Directorate-General for Mobility and Transport. *EU transport in figures – Statistical pocketbook 2023*. Publications Office of the European Union, 2023. Date of extraction: November 2023 <a href="https://data.europa.eu/doi/10.2832/319371">https://data.europa.eu/doi/10.2832/319371</a>

#### **Eurostat**

Data were retrieved from Eurostat: <a href="https://ec.europa.eu/eurostat">https://ec.europa.eu/eurostat</a> The European average is based on the average of the 27 EU countries. Date of extraction: July 2023

#### **ESRA** project

Information in sections 3 (drink-driving) and 5.3 is based on data from the ESRA 3 (E-Survey of Road Users' Attitudes) project (2023). https://www.esranet.eu/

The European average is the average of 17 European countries. In the ranking of the countries in Table 21, Switzerland is also included. Date of extraction: July 2023

#### **ETSC**

Information in section 3 is based on data from the following ETSC report. The European average is the average of 24 European countries for all indicators, except the alcohol related tickets (20 countries).

European Transport Safety Council. *How traffic law enforcement can contribute to safer roads*. PIN Flash Report 42. ETSC, 2022. <a href="https://etsc.eu/how-traffic-law-enforcement-can-contribute-to-safer-roads-pin-flash-42/">https://etsc.eu/how-traffic-law-enforcement-can-contribute-to-safer-roads-pin-flash-42/</a>

#### **FERSI (2020)**

Kamphuis, K. & van Schagen, I. (2020) E-scooters in Europe: legal status, usage and safety. Results of a survey in FERSI countries. FERSI paper. <a href="https://fersi.org/">https://fersi.org/</a>. Date of extraction: July 2023

### IRTAD (International Traffic Safety Data and Analysis Group)

Data related to the percentage of GDP spent to road infrastructure (Section 5.1) is retrieved from the OECD database: <a href="https://stats.oecd.org/">https://stats.oecd.org/</a>. Date of extraction: July 2023

#### **WHO**

Data were retrieved from the WHO Global Status Report on Road Safety, published in 2018. The European average is based on the average of the 27 EU countries.

https://www.who.int/violence injury prevention/road safety status/

2018/en/. Date of extraction: July 2023

### 6.2 Definitions

#### **Road Crash**

Any crash 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. Data are based on police reports and there may be an underestimate because of underreporting (especially for non-fatal crashes and crashes not involving a motorised vehicle).

#### **Fatalities**

Total number of persons fatally injured within 30 days of the road crash; correction factors applied when needed. Confirmed suicide and natural death are not included.

### Seriously injured (at 30 days)

Total number of persons seriously injured corrected by correction factors when needed. Injured (although not killed) in the road crash and hospitalized at least 24 hours. The definition of "serious injury" varies considerably among EU countries, affecting, thus, the reliability of cross-country comparisons.

#### Lorry, under 3.5tn

Goods vehicle under 3.5t maximum gross weight. Smaller motor vehicles used only for the transport of goods.

#### **Heavy Goods Vehicles**

Goods vehicle over 3.5t maximum gross weight. Larger motor vehicles used only for the transport of goods.

#### **Powered two-wheelers**

Driver or passenger of either a moped (two or three wheeled vehicle equipped with engine size of maximum 50cc and maximum speed that does not exceed 45 km/h. A moped can also have an electric motor. Speed pedelecs and electric powered bicycles that offer pedal assistance up to 45 km/h, also belong to this category of vehicles.) or a motorcycle (motor vehicle with two or three wheels, with an engine size of more than 50 cc. A motorcycle can also have an electric motor.).

### Working week - Daytime

Monday to Friday 6.00 a.m. to 9.59 p.m.

### Working week - Night-time

Monday 10 p.m. to Tuesday 5.59 a.m. Tuesday 10 p.m. to Wednesday 5.59 a.m.

Wednesday 10 p.m. to Thursday 5.59 a.m. Thursday 10 p.m. to Friday 5.59 a.m.

#### **Weekend - Daytime**

Saturday to Sunday 6.00 a.m. to 9.59 p.m.

#### Weekend - Night-time

Friday 10 p.m. to Saturday 5.59 a.m. Saturday 10 p.m. to Sunday 5.59 a.m. Sunday 10 p.m. to Monday 5.59 a.m.

#### **Speeding**

The percentage of passenger cars travelling within legal maximum speed limits based on roadside measurements during daytime.

#### Seat belt & CRS use rates

The percentage of passenger car occupants using seat belts and child restraint systems (CRS) based on roadside observations during daytime.

#### **Helmet use rates**

The percentage of powered two-wheeler riders and cyclists using helmets based on roadside observations during daytime. Helmet use rates for cyclists in some countries concern only urban roads. Please note that in some countries the use of helmets is not obligatory for cyclists (see Table 16).

#### **DUI of Alcohol**

The percentage of car drivers who have driven at least once in the last 30 days over the legal alcohol limit based on a self-reported survey.

### **Driver Distraction**

The percentage of drivers not using a hand-held mobile device/phone while driving based on roadside surveys during daytime on working days. The vehicle types included are passenger cars, light goods vehicles and buses/coaches.

#### **Explanations of symbols in tables:**

/ : not available

- : not applicable (e.g. calculation cannot be performed)



