

# Sweden

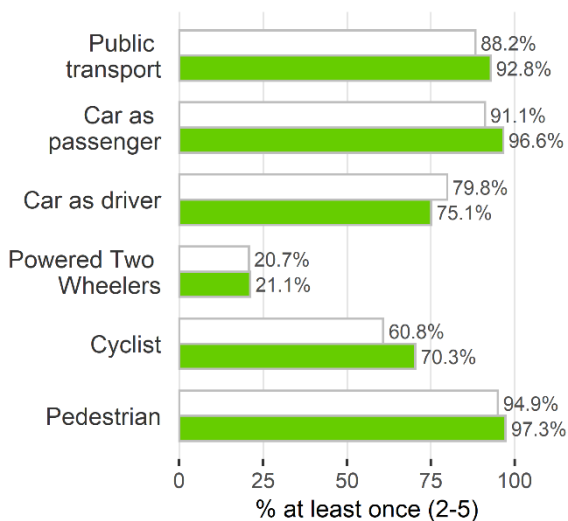
## ESRA2 Country Fact Sheet

ESRA (E-Survey of Road Users' Attitudes) is a joint initiative of road safety institutes, research centres, public services, and private sponsors, from all over the world. The aim is to collect and analyse comparable data on road safety performance, in particular road safety culture and behaviour of road users. The ESRA data are used as a basis for a large set of road safety indicators. These provide scientific evidence for policy making at national and international levels. Vias institute in Brussels (Belgium) initiated and coordinates ESRA, in cooperation with eleven core group partners (BAST, BFU, CTL, IATSS, IFSTTAR, ITS, KfV, NTUA, PRP, SWOV, TIRF). At the heart of ESRA is a jointly developed questionnaire survey, which is translated into national language versions<sup>1</sup>. The themes covered include: self-declared behaviour, attitudes and opinions on unsafe traffic behaviour, enforcement experiences and support for policy measures. The survey addresses different road safety topics (e.g. driving under the influence of alcohol, drugs and medicines, speeding, distraction) and targets car occupants, motorcycle and moped drivers, cyclists and pedestrians.

This fact sheet contains the key results of the second edition of the ESRA survey, which was conducted simultaneously in 32 countries in 2018 and in 16 countries between 2019 and 2020. In total this online panel survey collected data from more than 45 000 road users (987 in Sweden). An overview of the initiative and more results are available on [www.esranet.eu](http://www.esranet.eu). The following figures show a core set of variables in which Sweden (green) is compared with the European ESRA2 mean<sup>2</sup> (white).

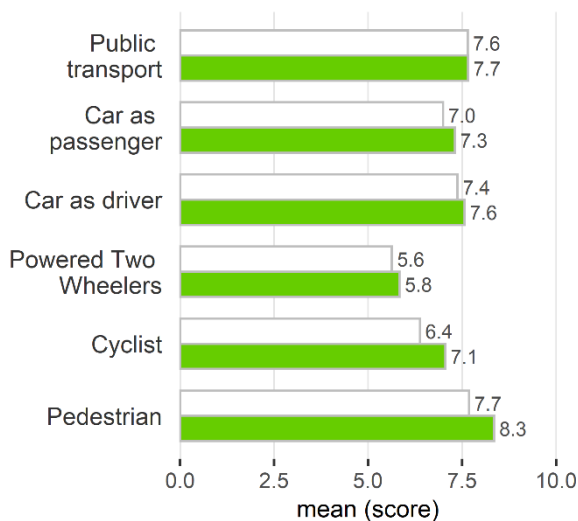
### Mode of transportation

During the past 12 months, how often did you use the following transport modes (5-point scale from 1=never to 5=at least 4 days week)



### Safety feeling

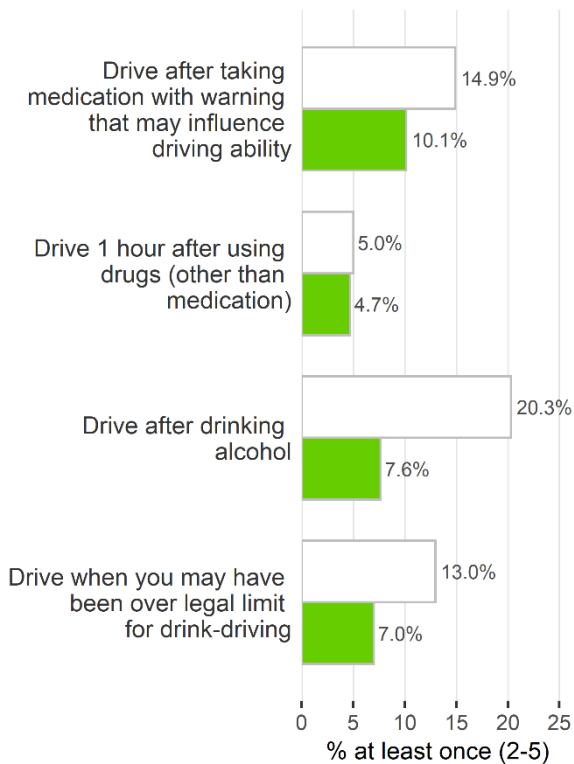
How safe or unsafe do you feel when using the following transport modes (11-point scale from 0=very unsafe to 10=very safe)



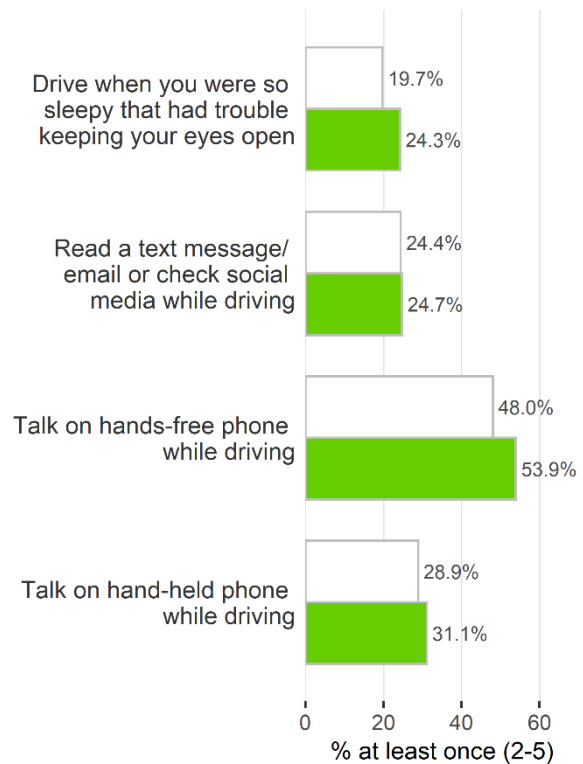
## Self-declared behaviour

Over the last 30 days, how often did you... (5-point scale from 1=never to 5=(almost) always)

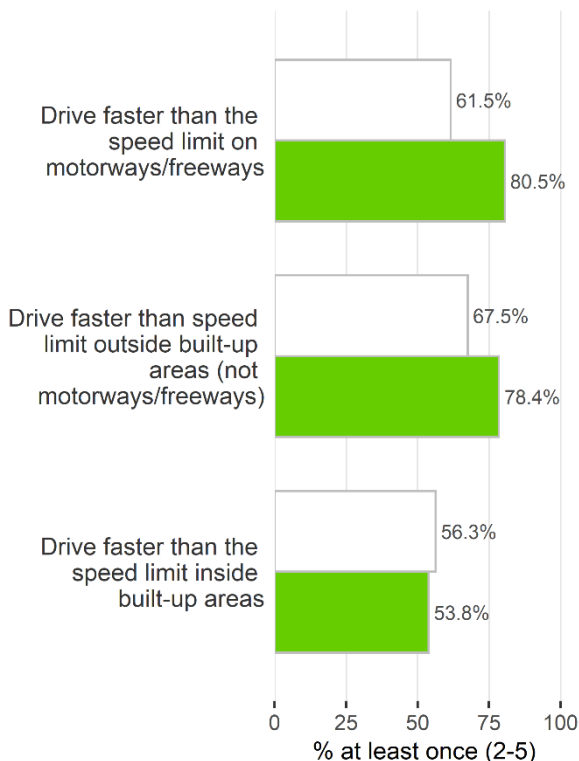
### DUI as a car driver



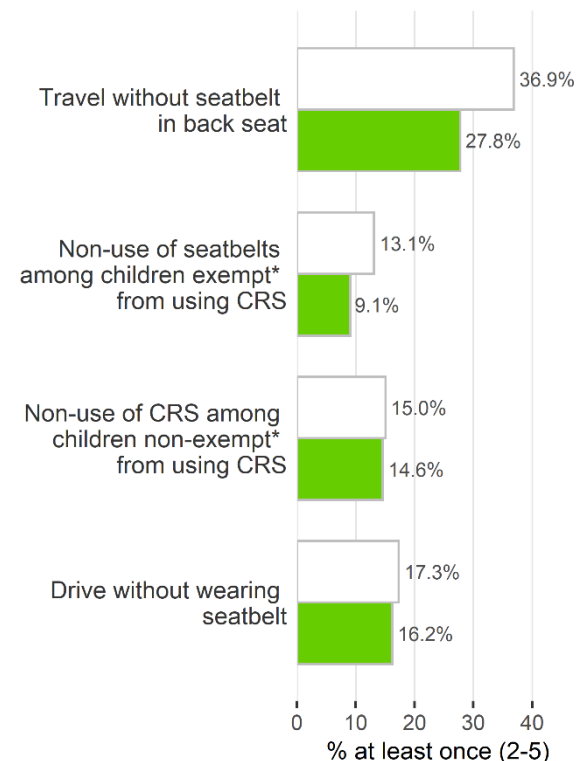
### Distraction & fatigue as a car driver



### Speeding as a car driver



### Seat belt use in a passenger car

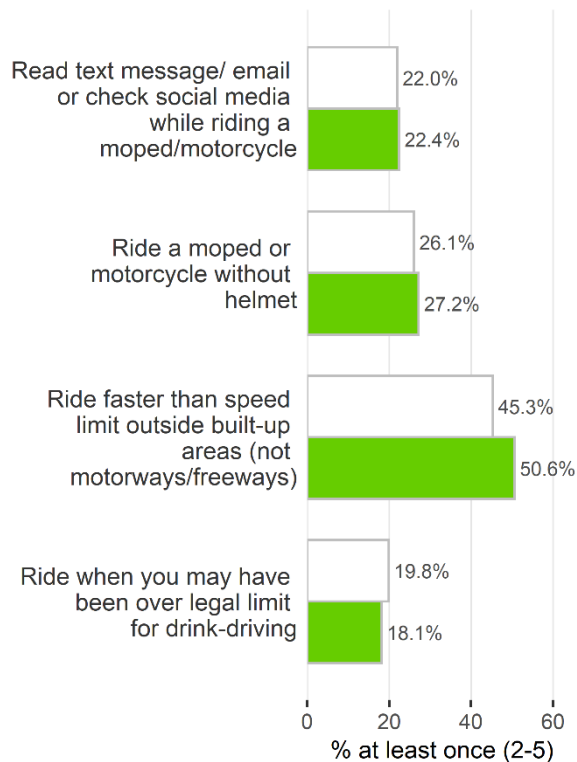


\* specified based on national regulation on this topic

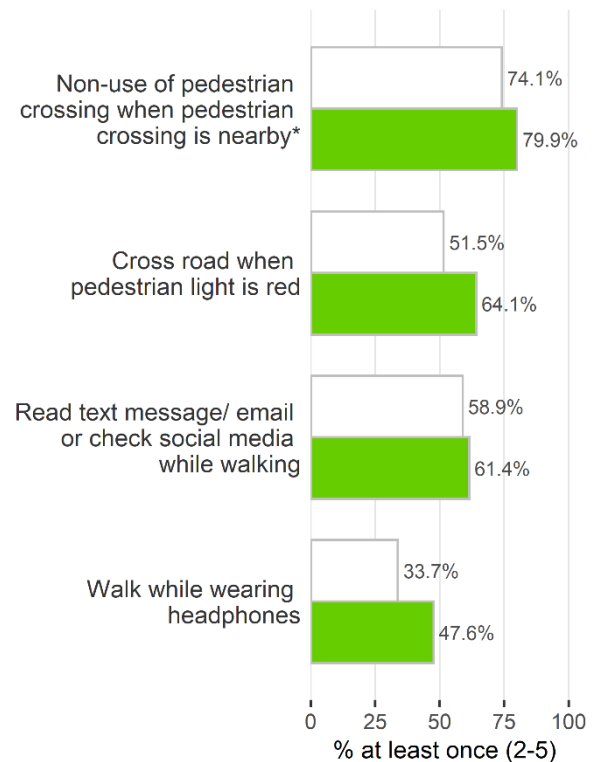
## Self-declared behaviour

Over the last 30 days, how often did you... (5-point scale from 1=never to 5=(almost) always)

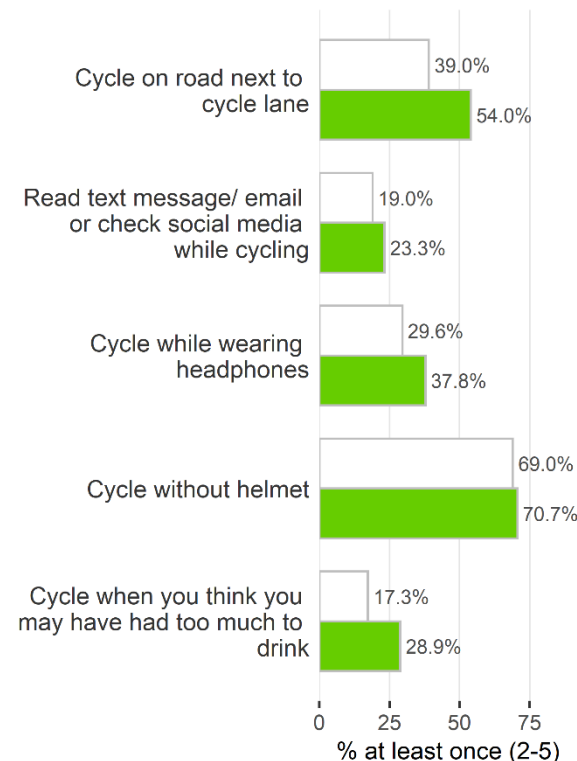
### Powered Two Wheelers



### Pedestrians



### Cyclists



\* specified based on national regulation on this topic

### Sample size\*

Road users who use each transport mode at least a few days per month.

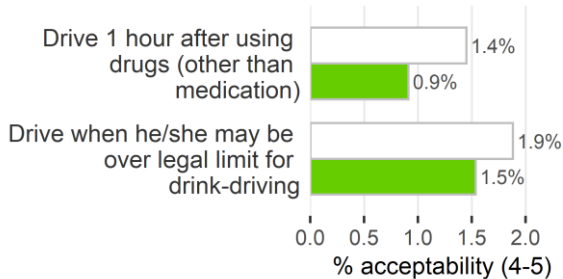
| Mode of transportation                                                | Sweden | Europe24 |
|-----------------------------------------------------------------------|--------|----------|
| Car drivers                                                           | 678    | 18225    |
| Car drivers who transported children (<18y) exempt from using CRS     | 310    | 6797     |
| Car drivers who transported children (<18y) non-exempt from using CRS | 254    | 7300     |
| Car passengers                                                        | 730    | 16372    |
| Powered Two Wheelers                                                  | 121    | 3136     |
| Pedestrians                                                           | 936    | 22162    |
| Cyclists                                                              | 467    | 10141    |

\*weighted sample for self-declared behaviours.

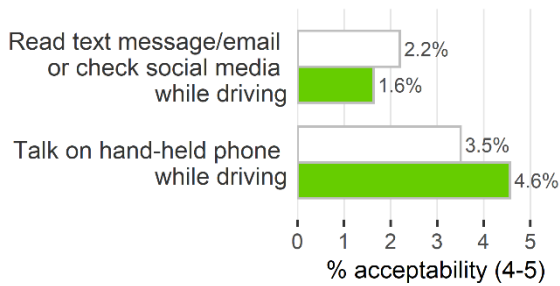
## Personal acceptability

How acceptable do you, personally, feel it is for a CAR DRIVER to ... (5-point scale from 1=unacceptable to 5=acceptable)

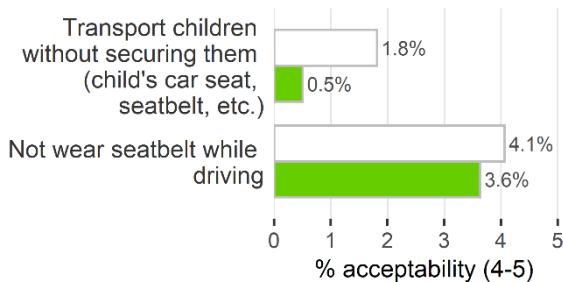
### DUI



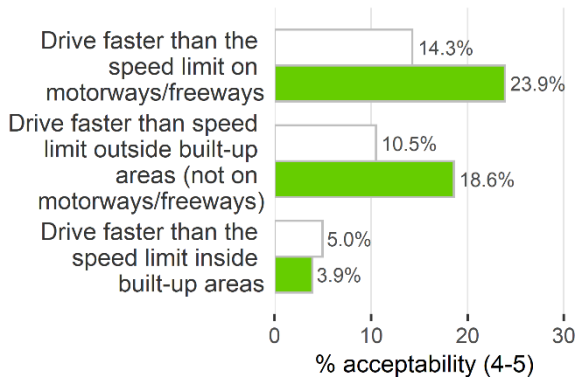
### Distraction



### Seat belt



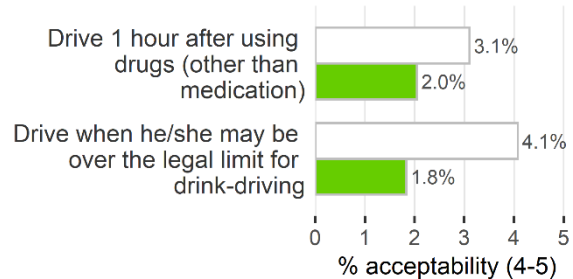
### Speed



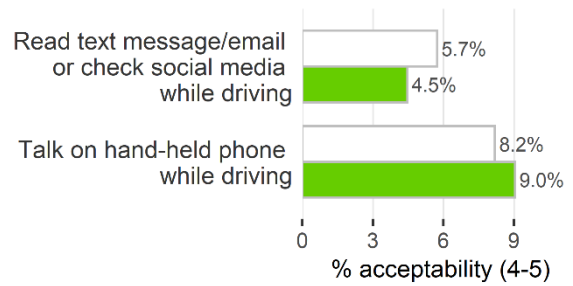
## Others' acceptability

Where you live, how acceptable would most other people say it is for a CAR DRIVER to ... (5-point scale from 1=unacceptable to 5=acceptable)

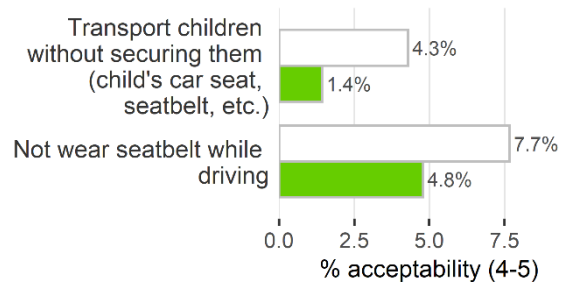
### DUI



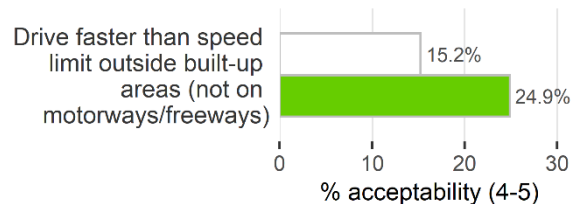
### Distraction



### Seat belt

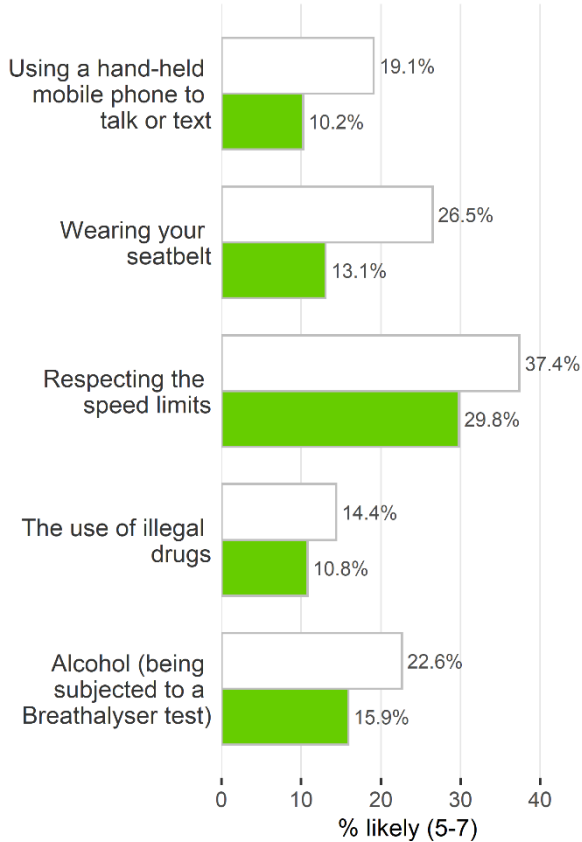


### Speed

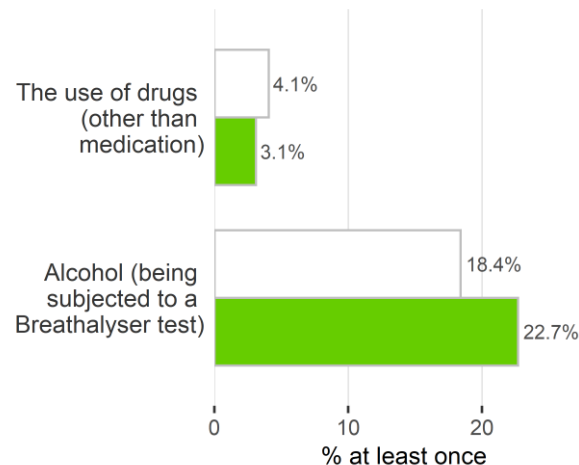


## Enforcement

On a typical journey, how likely is it that you (as CAR DRIVER) will be checked by police for... (7-point scale from 1=very unlikely to 7=very likely)

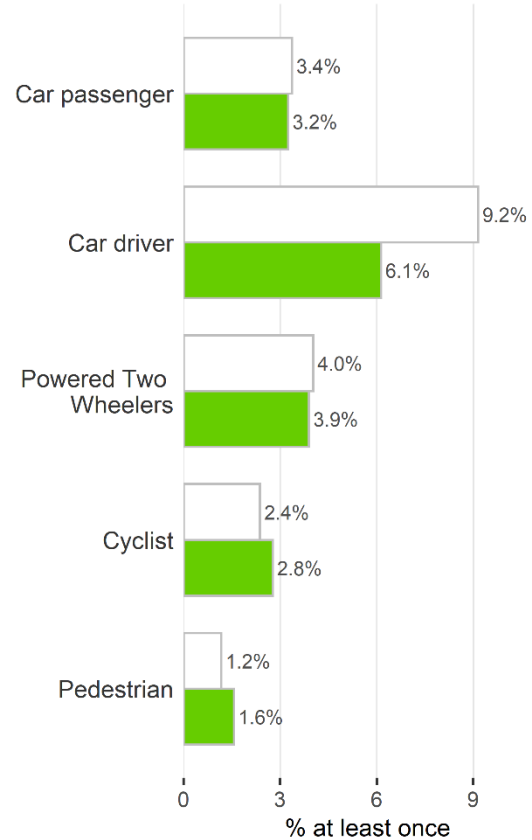


In the past 12 months, how many times (as a CAR DRIVER) have you been checked by the police for... (number)



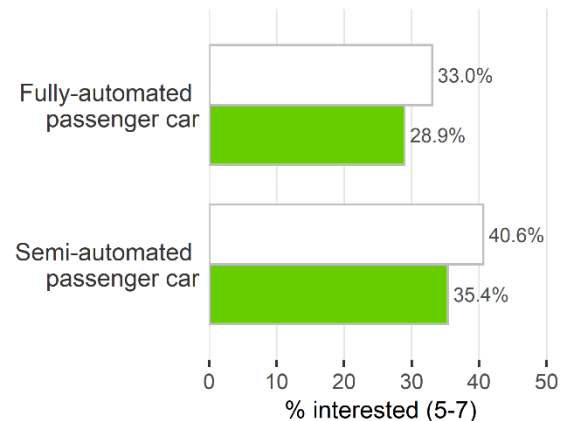
## Involvement in road crashes

In the past 12 months, how many times have you personally been involved in road crashes as... (number)



## Vehicle automation

How interested would you be in using a... (7-point scale from 1=not at all interested to 7=very interested)



## Background Data

Basic data of Sweden in relation to the European average<sup>3</sup>.

### Exposure

|                                                | year | SE     |
|------------------------------------------------|------|--------|
| total length of roads (km)                     | 2016 | 140880 |
| total length of motorways (km)                 | NA   | NA     |
| vehicle kilometres (total in millions)         | NA   | NA     |
| motorisation rate (motor vehicles/1000 inhab.) | 2016 | 620    |

Source: IRTAD

### Persons killed in road accidents by age (CARE database)

| ages    | year | SE              |       | EU              |       |
|---------|------|-----------------|-------|-----------------|-------|
|         |      | absolute number | %     | absolute number | %     |
| 0-14    | 2017 | 8               | 3.2   | 555             | 2.2   |
| 15-17   | 2017 | 2               | 0.8   | 543             | 2.1   |
| 18-24   | 2017 | 40              | 15.8  | 3104            | 12.2  |
| 25-49   | 2017 | 81              | 32.0  | 8887            | 34.9  |
| 50-64   | 2017 | 44              | 17.4  | 5257            | 20.7  |
| ≥65     | 2017 | 78              | 30.8  | 6921            | 27.2  |
| unknown | 2017 | 0               | 0.0   | 164             | 0.6   |
| TOTAL   | 2017 | 253             | 100.0 | 25431           | 100.0 |

European sum computed with the most recent available year by country (2010: SK; 2015: LT, IE; 2016: BG, CY, MT; others: 2017).

### Persons killed in road accidents by transport mode (CARE database)

| mode of transportation | year | SE              |       | EU              |       |
|------------------------|------|-----------------|-------|-----------------|-------|
|                        |      | absolute number | %     | absolute number | %     |
| car (including taxi)   | 2017 | 131             | 51.8  | 11631           | 45.7  |
| moped                  | 2017 | 1               | 0.4   | 607             | 2.4   |
| motorcycle             | 2017 | 39              | 15.4  | 3850            | 15.1  |
| pedal cycle            | 2017 | 26              | 10.3  | 2003            | 7.9   |
| pedestrian             | 2017 | 37              | 14.6  | 5383            | 21.2  |
| other                  | 2017 | 19              | 7.5   | 1957            | 7.7   |
| TOTAL                  | 2017 | 253             | 100.0 | 25431           | 100.0 |

European sum computed with the most recent available year by country (2010: SK; 2015: LT, IE; 2016: BG, CY, MT; others: 2017)

## Population

|                                   | year | SE   | EU    |
|-----------------------------------|------|------|-------|
| population (M. inhab.)            | 2017 | 10.1 | 512.4 |
| density (inhab./km <sup>2</sup> ) | 2017 | 22.5 | 116.9 |
| males (% of total)                | 2017 | 50.0 | 49.0  |
| females (% of total)              | 2017 | 50.0 | 51.0  |
| urban (% of total)                | 2017 | 86.9 | 75.4  |
| internet users (per 100 people)   | 2017 | 96   | 81    |

Source: World Bank

## Traffic legislation in Sweden

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| Speed limits for passenger cars                                     | (km/h)     |
| motorways                                                           | 110-120    |
| secondary or regional roads                                         | 60-100     |
| in built-up areas                                                   | 30-50      |
| Drink-driving                                                       | BAC limits |
| max. BAC for drivers (g/l)                                          | 0.2        |
| max. BAC for young/novice drivers (g/l)                             | 0.2        |
| max. BAC for professional drivers (g/l)                             | 0.2        |
| Protective systems                                                  |            |
| obligation to use seatbelt in front seat                            | yes        |
| obligation to use seatbelt in rear seat                             | yes        |
| obligation to use child restraint systems for transport of children | yes        |
| obligation to use a helmet as a moped rider                         | yes        |
| obligation to use a helmet as a motorcyclist                        | yes        |

Source: IRTAD Annual Report 2018

<sup>1</sup> Please note that this country fact sheet has been written in British English. Exact wording of items and spelling was adapted according to the needs of the national language versions of the ESRA2 survey.

<sup>2</sup> The European ESRA2 mean is based on the results of the 24 European countries participating in the ESRA2 survey: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Serbia, Slovenia, Spain, Sweden, Switzerland, and United Kingdom.

<sup>3</sup> The European average is based on the EU-28: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, and the United Kingdom.

Please refer to this document as: Vias institute (2021). *Sweden – ESRA2 Country Fact Sheet. ESRA2 survey (E-Survey of Road users' Attitudes)*. Brussels, Belgium: Vias institute.