

# Sweden

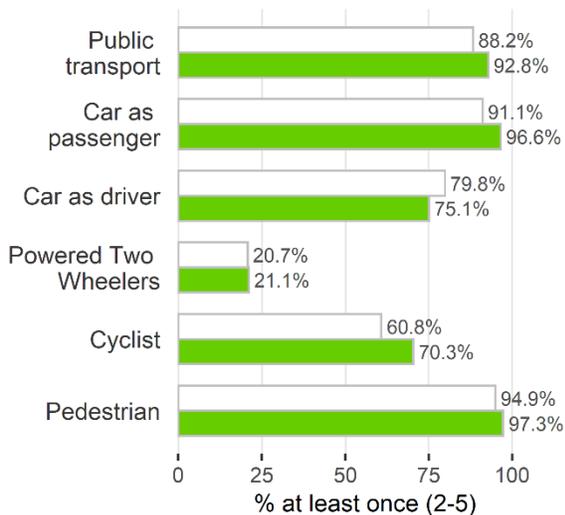
## ESRA2 Country Fact Sheet

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).

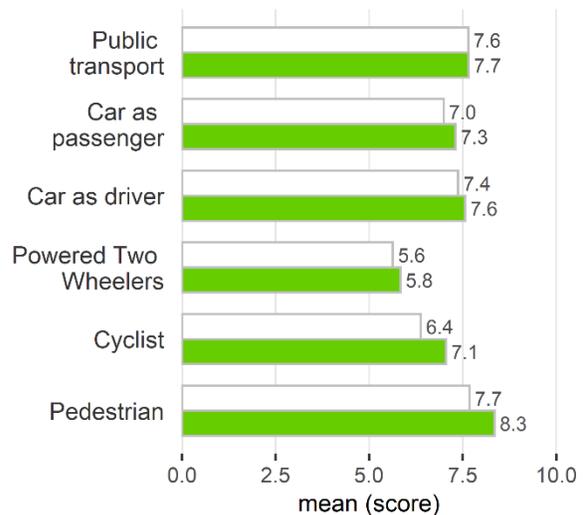
### Mode of transportation

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

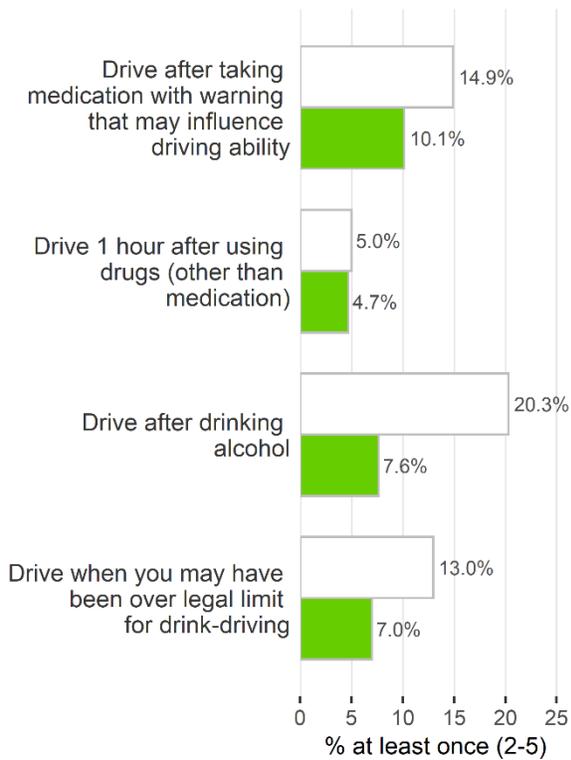
How safe or unsafe do you feel when using the following transport modes (11-point scale from 0=very unsafe to 10=very safe)



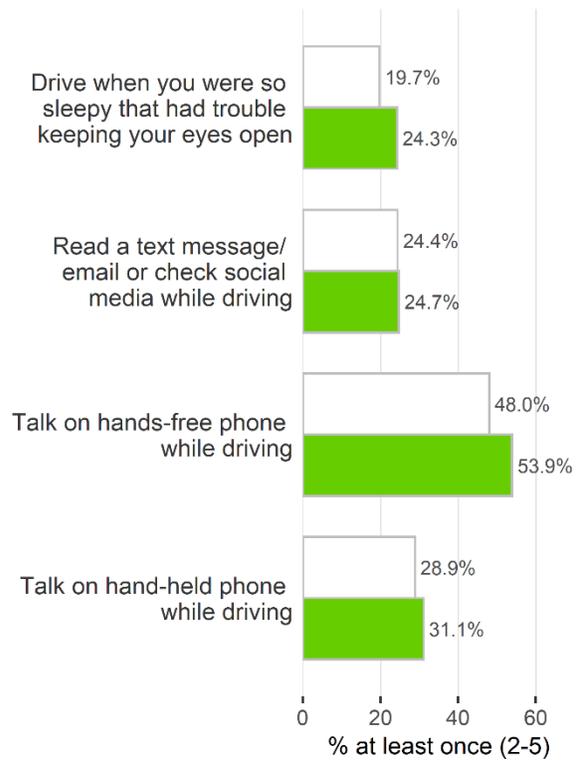
## Self-declared behaviour

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

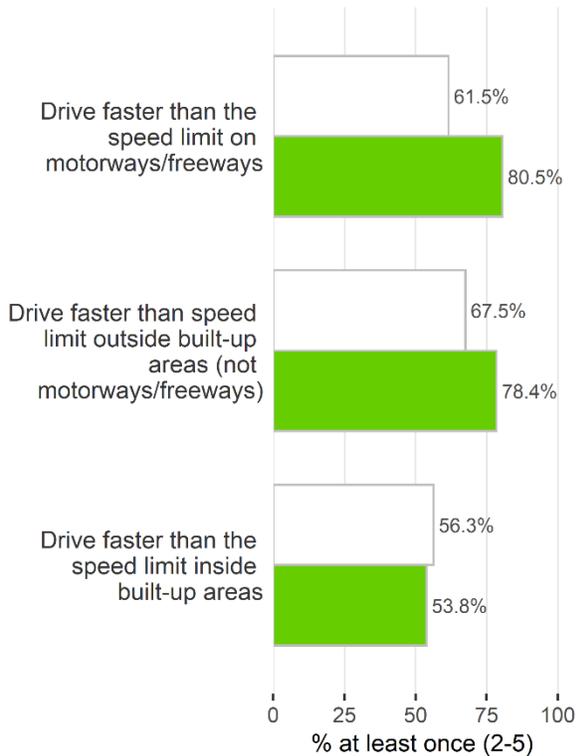
### DUI as a car driver



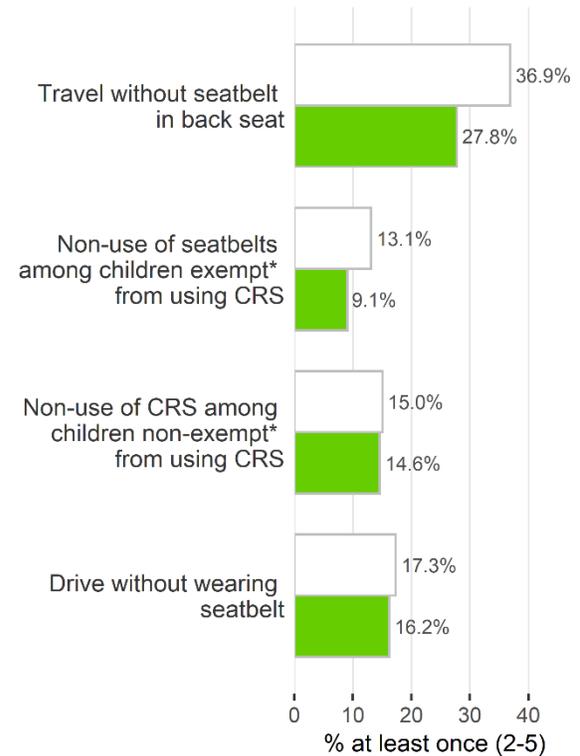
### Distraction & fatigue as a car driver



### Speeding as a car driver



### Seat belt use in a passenger car

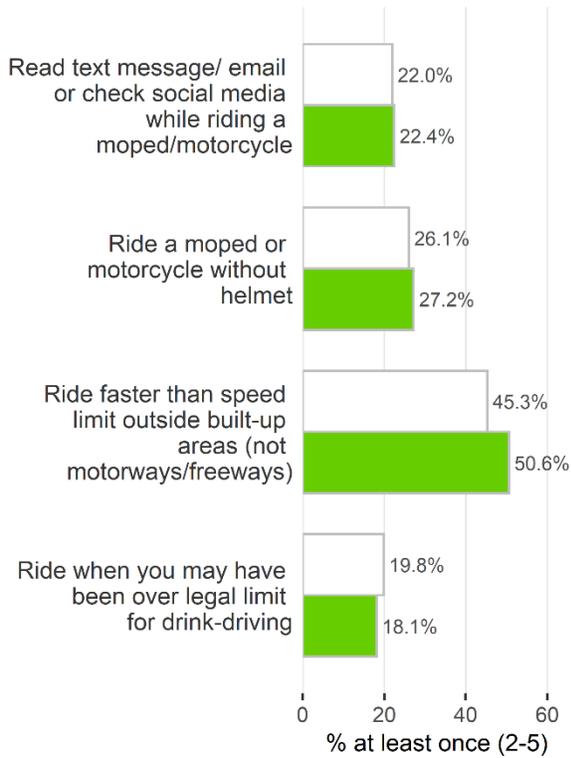


\* specified based on national regulation on this topic

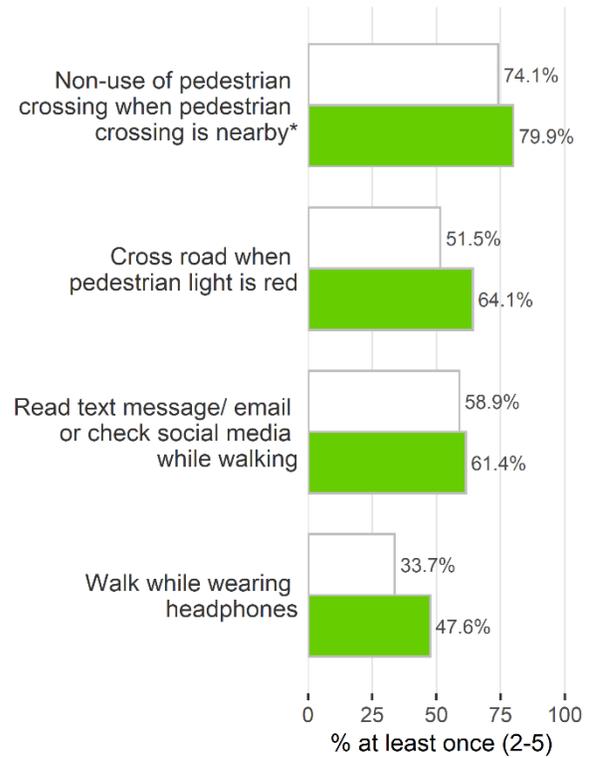
## Self-declared behaviour

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

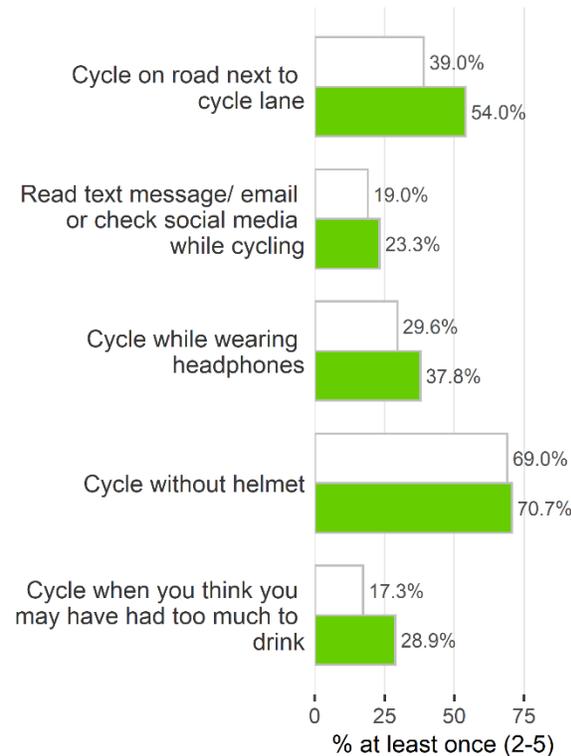
### Powered Two Wheelers



### 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.

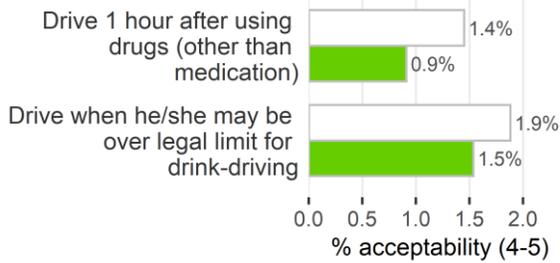
Mode of transportation	Sweden	Europe24
Car drivers	678	18225
Car drivers who transported children (<18y) exempt from using CRS	310	6797
Car drivers who transported children (<18y) non-exempt from using CRS	254	7300
Car passengers	730	16372
Powered Two Wheelers	121	3136
Pedestrians	936	22162
Cyclists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

\*weighted sample for self-declared behaviours.

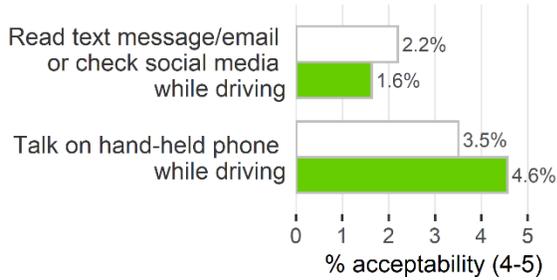
## Personal acceptability

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

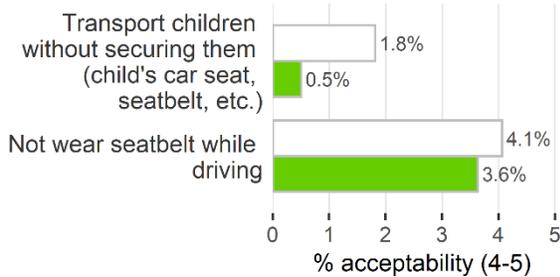
### DUI



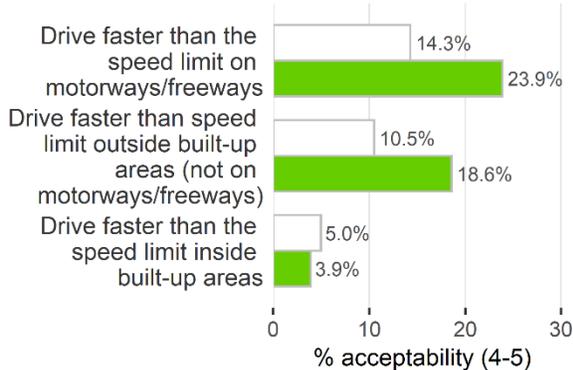
### Distraction



### Seat belt



### Speed



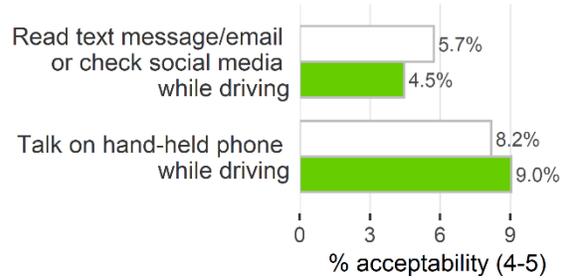
## Others' acceptability

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)

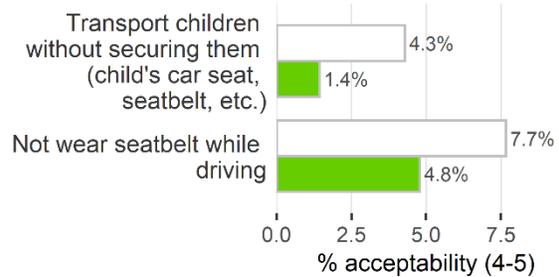
### DUI



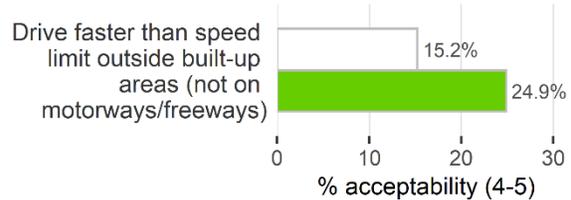
### Distraction



### Seat belt

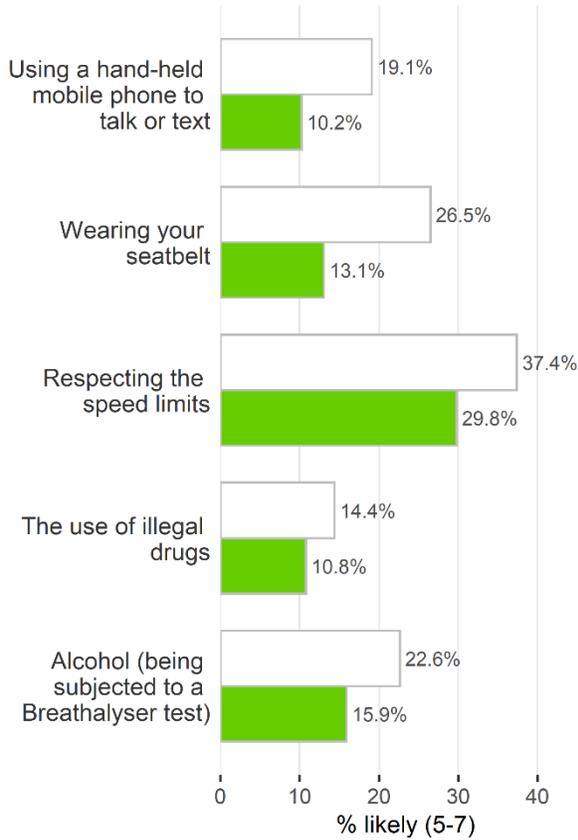


### Speed

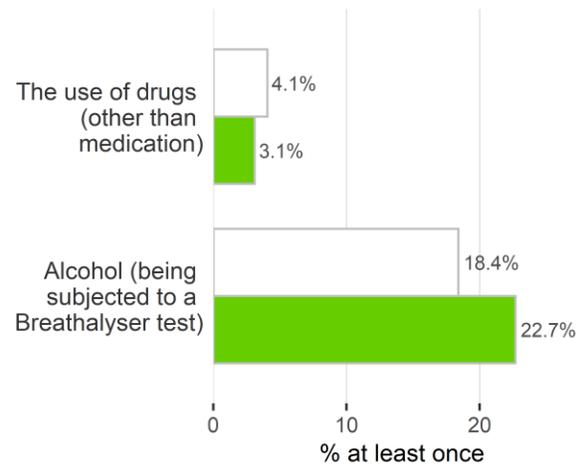


## Enforcement

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)

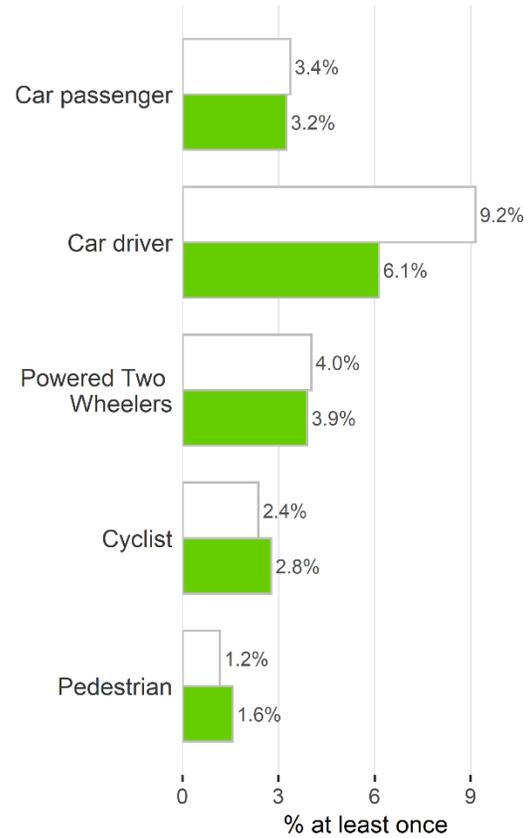


In the past 12 months, how many times (as a CAR DRIVER) have you been checked by the police for...



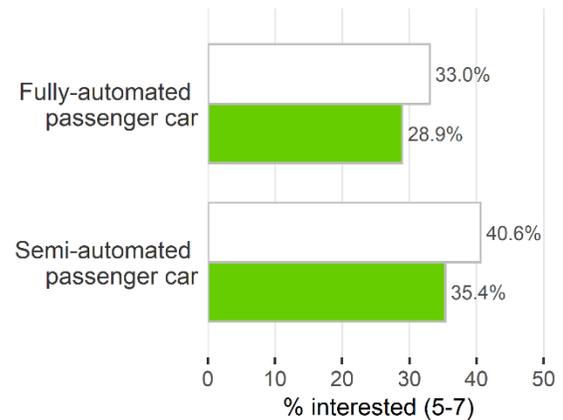
## Involvement in road crashes

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.