

# Republic of Korea

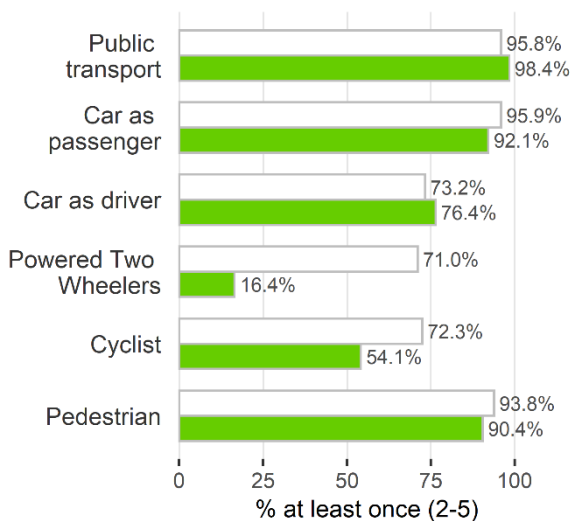
## ESRA2 Country Fact Sheet

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 (1043 in Republic of Korea). 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 Republic of Korea (**green**) is compared with the AsiaOceania ESRA2 mean<sup>2</sup> (white).

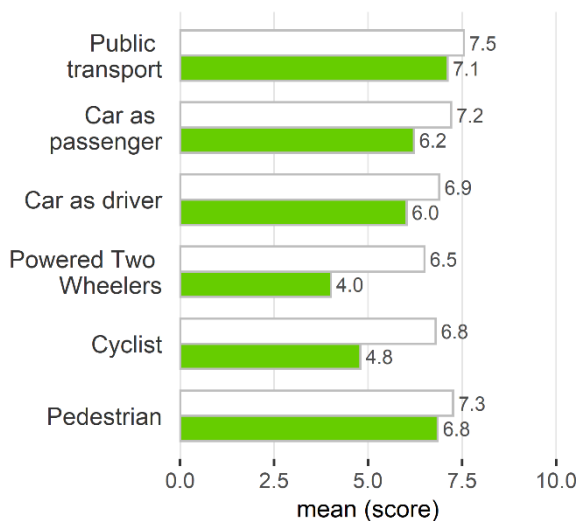
### Mode of transportation

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

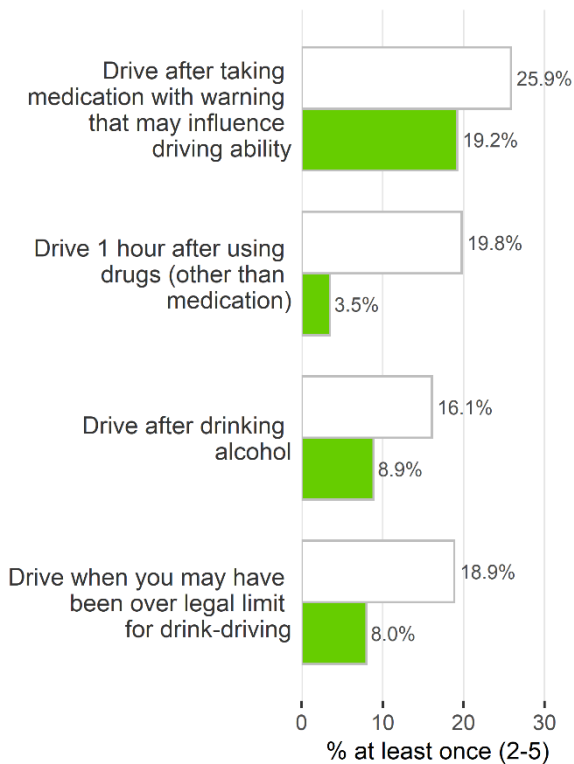
How safe or unsafe do you feel when using the following transport modes (11-point scale from 0=very unsafe to 10=very safe)



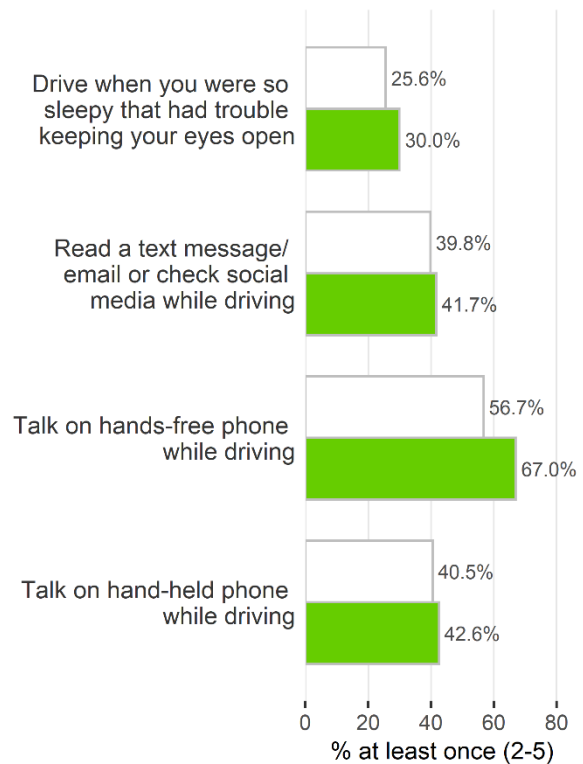
## Self-declared behaviour

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

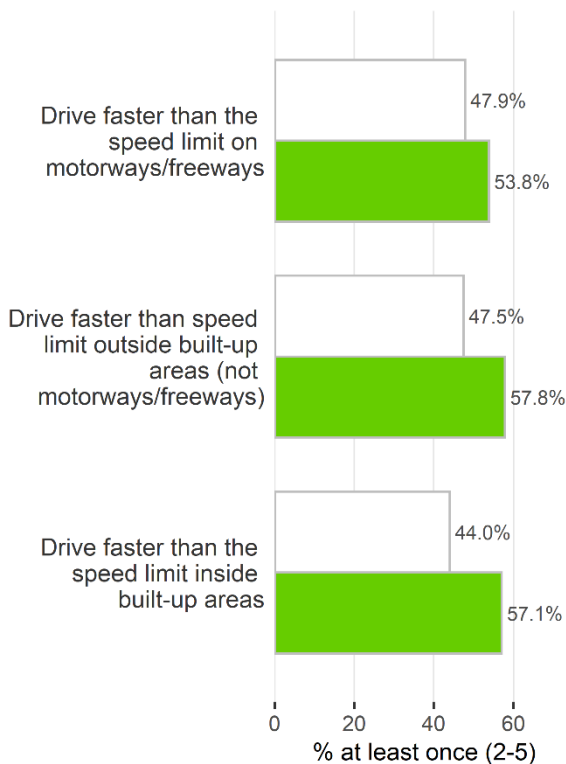
### DUI as a car driver



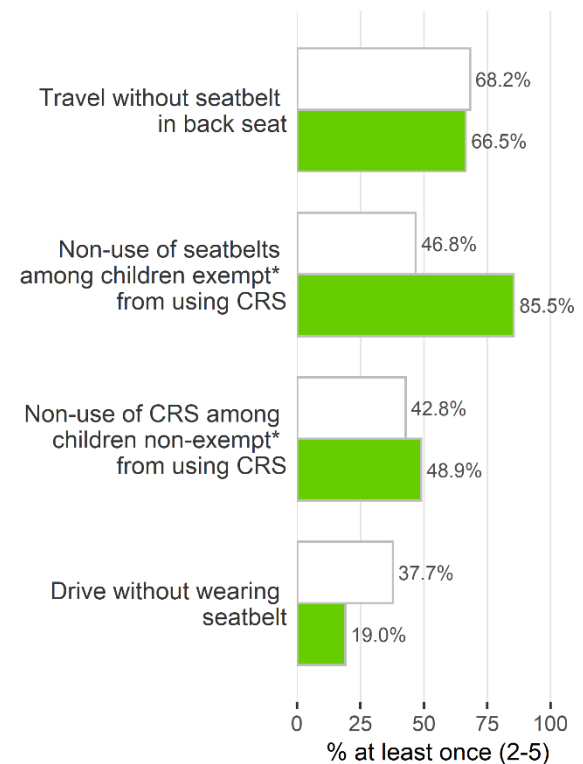
### Distraction & fatigue as a car driver



### Speeding as a car driver



### Seat belt use in a passenger car

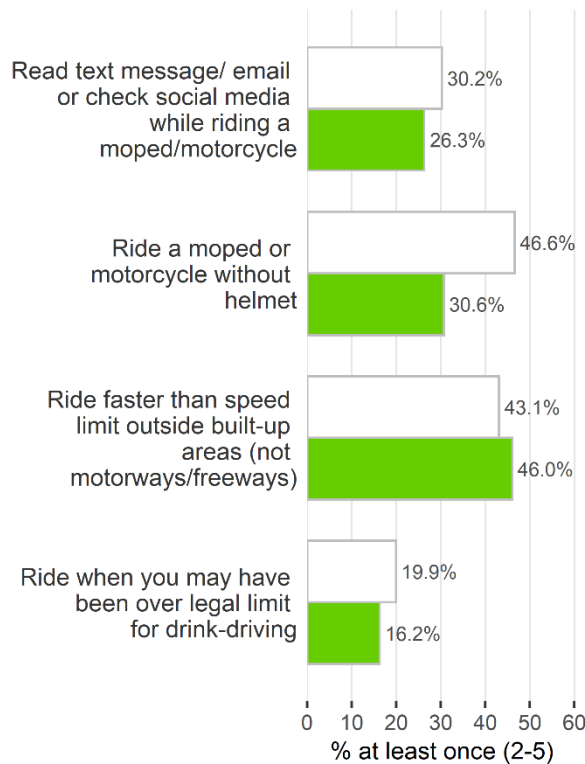


\* specified based on national regulation on this topic

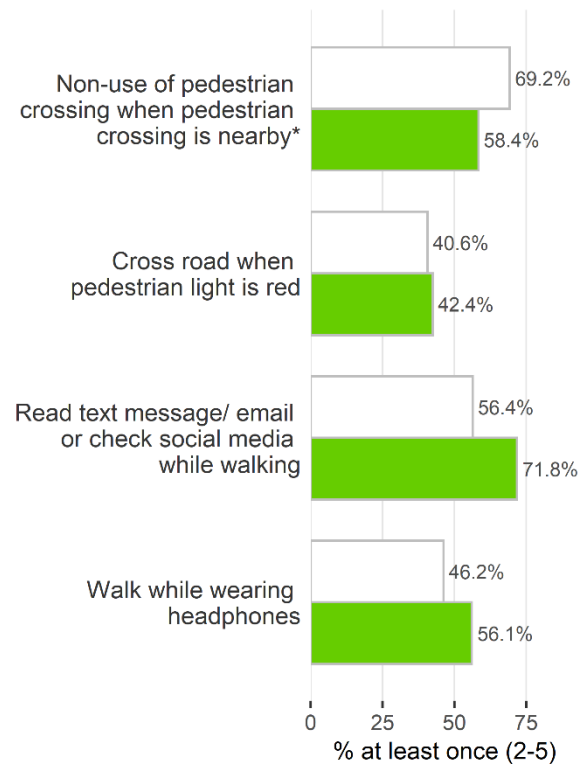
## Self-declared behaviour

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

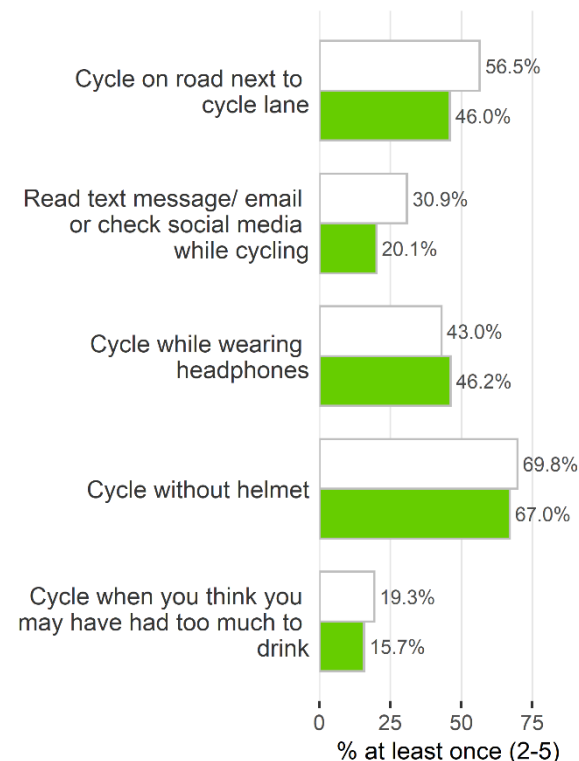
### Powered Two Wheelers



### 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.

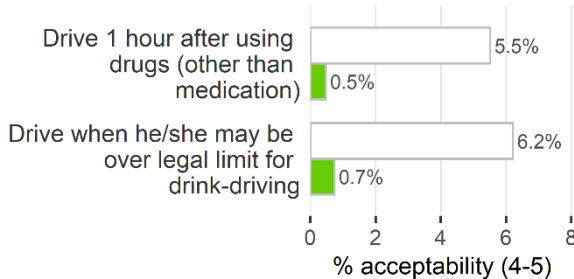
Mode of transportation	Republic of Korea	AsiaOceania9
Car drivers	745	6030
Car drivers who transported children (<18y) exempt from using CRS	335	2890
Car drivers who transported children (<18y) non-exempt from using CRS	316	3331
Car passengers	844	7399
Powered Two Wheelers	113	5900
Pedestrians	930	8086
Cyclists	405	5177

\*weighted sample for self-declared behaviours.

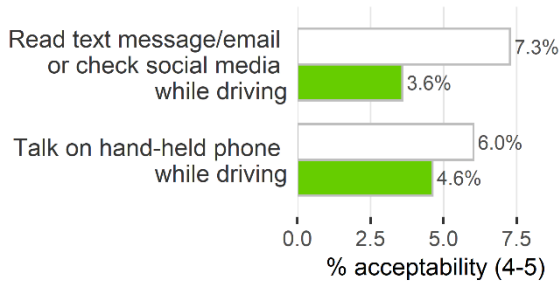
## Personal acceptability

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

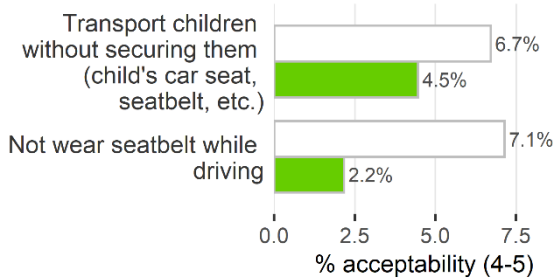
### DUI



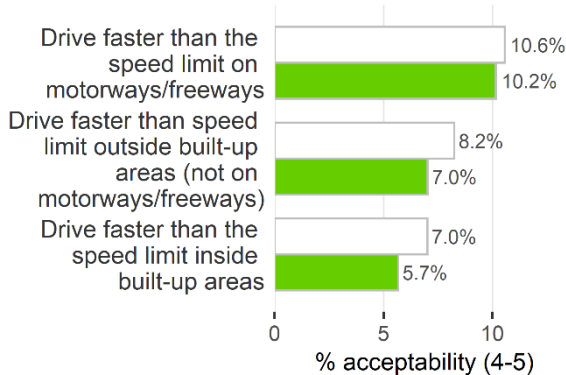
### Distraction



### Seat belt



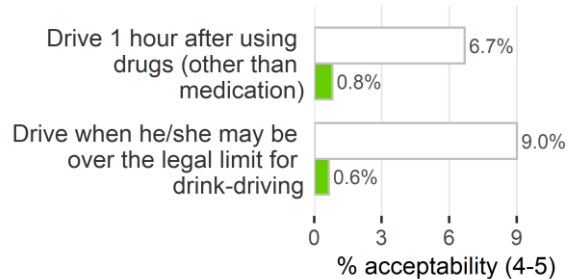
### Speed



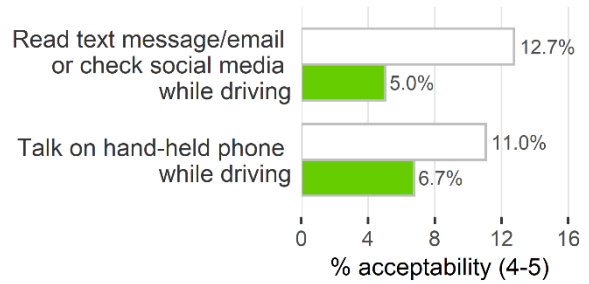
## Others' acceptability

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)

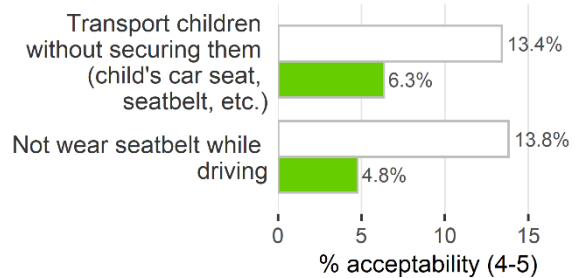
### DUI



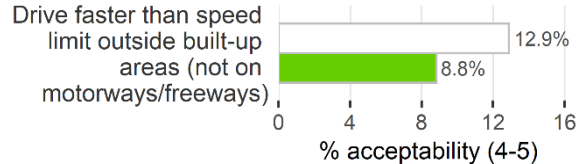
### Distraction



### Seat belt

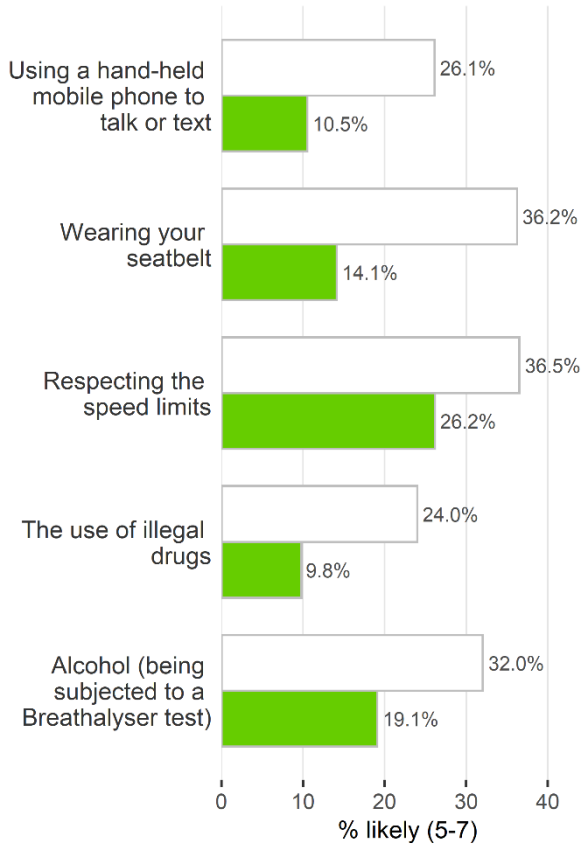


### Speed

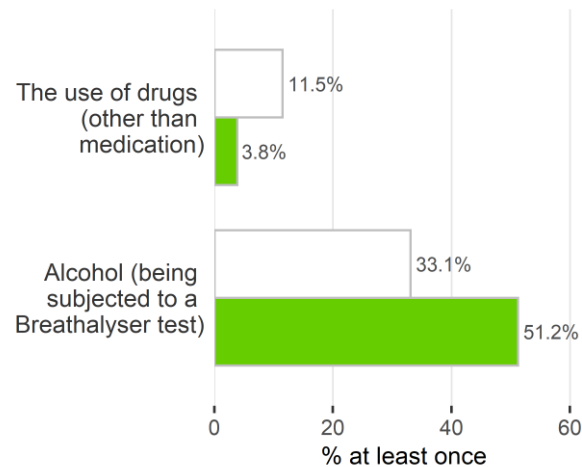


## Enforcement

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)

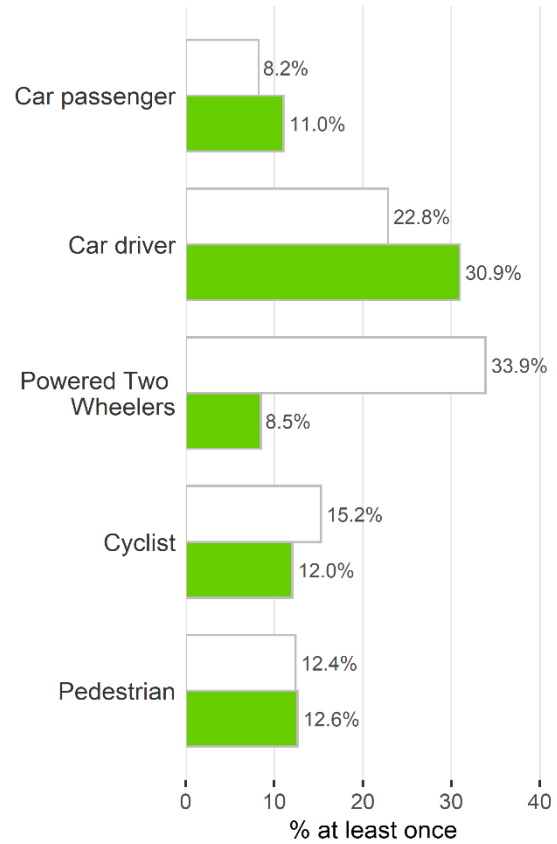


In the past 12 months, how many times (as a CAR DRIVER) have you been checked by the police for... (number)



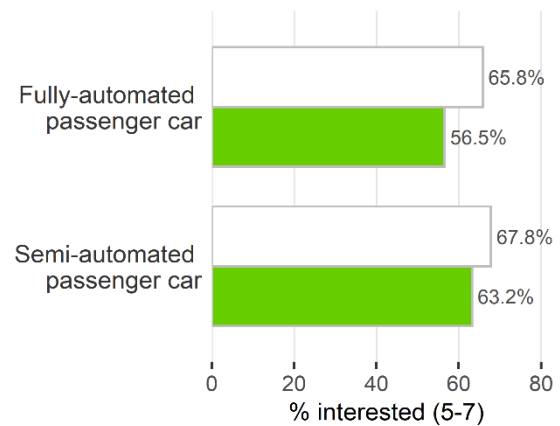
## Involvement in road crashes

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 Republic of Korea in relation to the European average<sup>3</sup>.

### Exposure

	year	KR
total length of roads (km)	2017	107180
total length of motorways (km)	NA	NA
vehicle kilometres (total in millions)	2016	311236
motorisation rate (motor vehicles/1000 inhab.)	2017	497

Source: IRTAD

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

ages	year	KR		EU	
		absolute number	%	absolute number	%
0-14	2016	76	1.8	616	2.4
15-17	2016	63	1.5	593	2.3
18-24	2016	264	6.2	3370	13.1
25-49	2016	952	22.2	8808	34.2
50-64	2016	1204	28.1	5177	20.1
≥65	2016	1733	40.4	7057	27.4
unknown	2016	0	0.0	144	0.6
TOTAL	2016	4292	100.0	25765	100.0

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

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

mode of transportation	year	KR		EU	
		absolute number	%	absolute number	%
car (including taxi)	2016	823	19.2	12034	46.7
moped	2016	265	6.2	677	2.6
motorcycle	2016	613	14.3	3606	14.0
pedal cycle	2016	255	5.9	2071	8.0
pedestrian	2016	1714	39.9	5468	21.2
other	2016	622	14.5	1909	7.4
TOTAL	2016	4292	100.0	25765	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	KR	EU
population (M. inhab.)	2017	51.5	512.4
density (inhab./km <sup>2</sup> )	2017	512.9	116.9
males (% of total)	2017	50.0	49.0
females (% of total)	2017	50.0	51.0
urban (% of total)	2017	81.6	75.4
internet users (per 100 people)	2017	95	81

Source: World Bank

## Traffic legislation in Republic of Korea

Speed limits for passenger cars	(km/h)
motorways	100-110
secondary or regional roads	60-80
in built-up areas	60
Drink-driving	BAC limits
max. BAC for drivers (g/l)	0.5
max. BAC for young/novice drivers (g/l)	0.5
max. BAC for professional drivers (g/l)	0.5
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 AsiaOceania ESRA2 mean is based on the results of the 9 Asian and Oceanian countries participating in the ESRA2 survey: Australia, India, Israel, Japan, Lebanon, Malaysia, Republic of Korea, Thailand, and Vietnam.

<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.

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