



Country fact sheet Republic of Korea

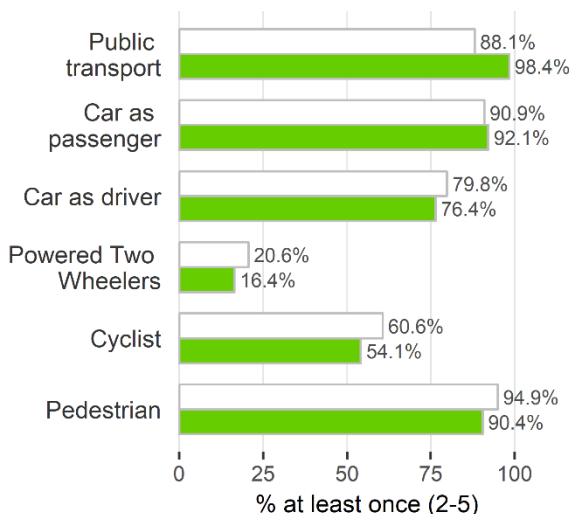
ESRA2 results

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 versions¹. 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 country fact sheet contains key results of the second edition of the ESRA survey, which was conducted simultaneously in 32 countries in 2018. In total this online panel survey collected data from more than 35 000 road users (1043 in Republic of Korea). An overview of the initiative and more results are available on www.esranet.eu. The following figures show a core set of variables in which Republic of Korea (**green**) is compared with the European ESRA2 mean² (white).

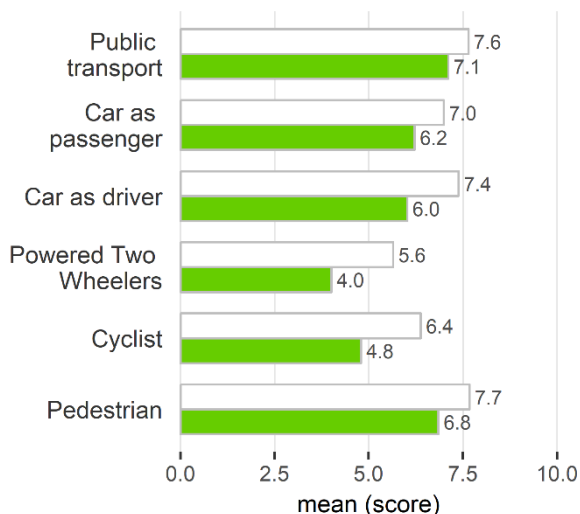
Mode of transportation

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

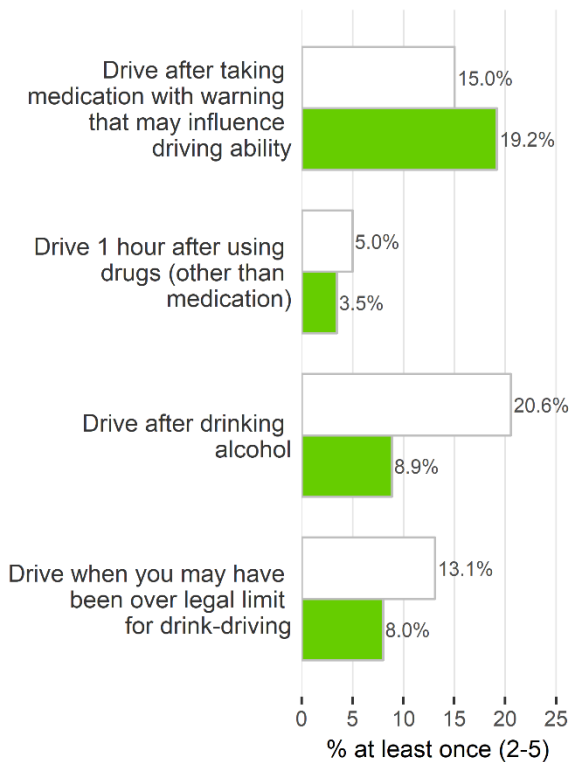
How safe or unsafe do you feel when using the following transport modes (11-point scale from 0=very unsafe to 10=very safe)



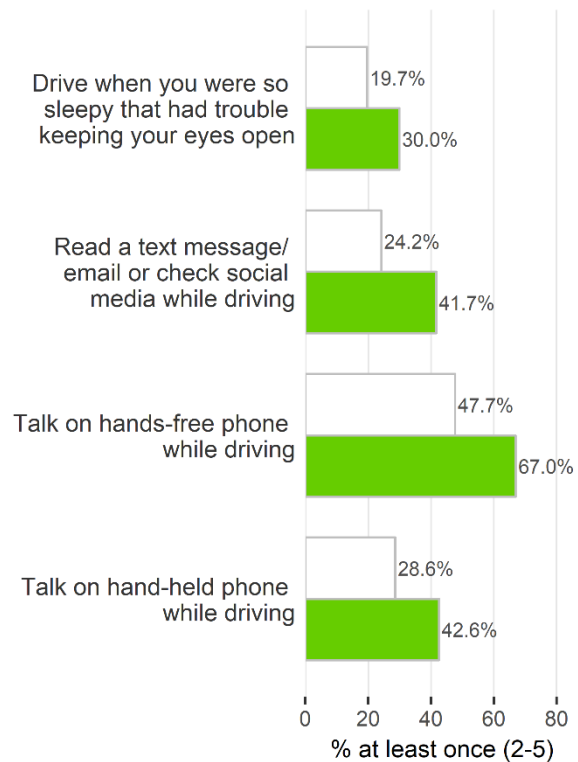
Self-declared behaviour

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

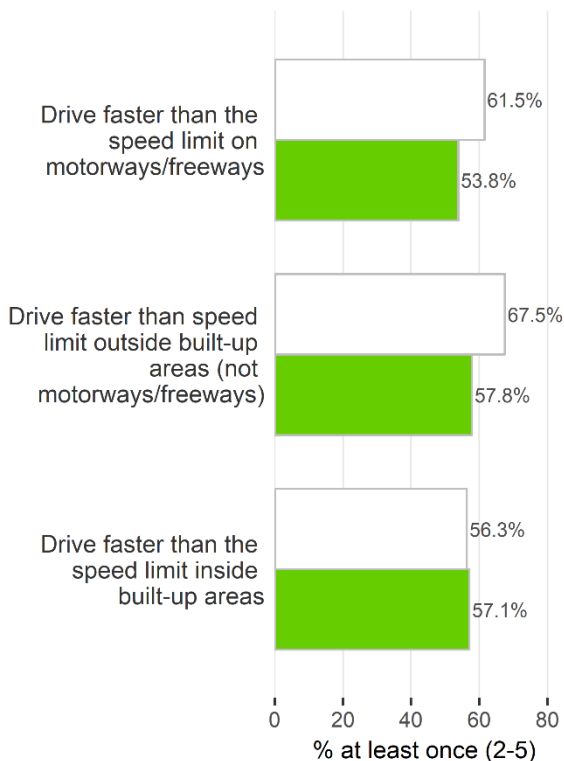
DUI as a car driver



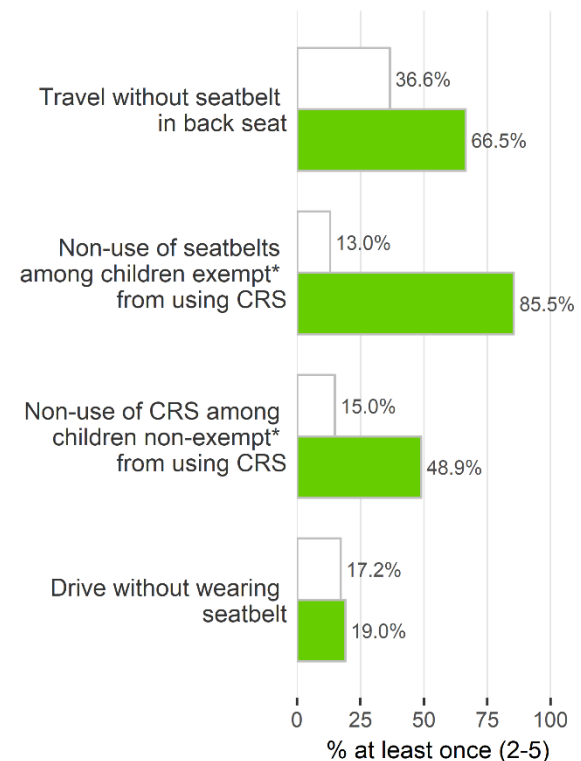
Distraction & fatigue as a car driver



Speeding as a car driver



Seat belt use in a passenger car

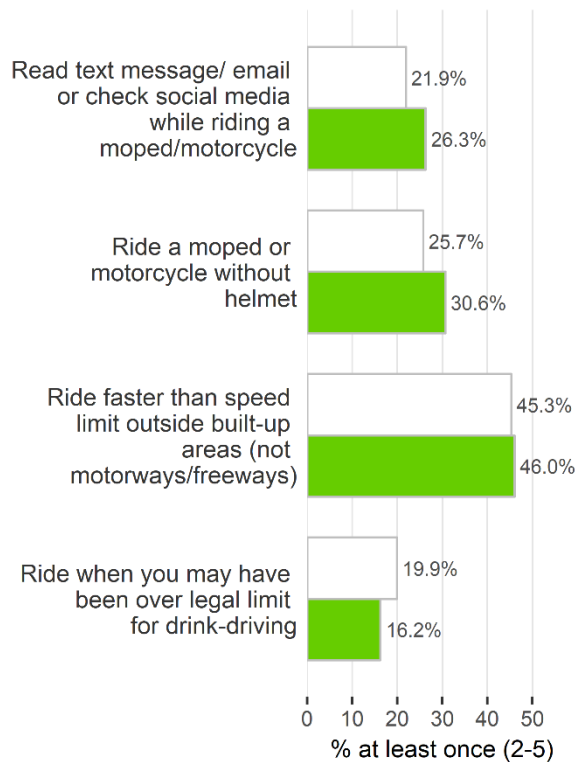


* specified based on national regulation on this topic

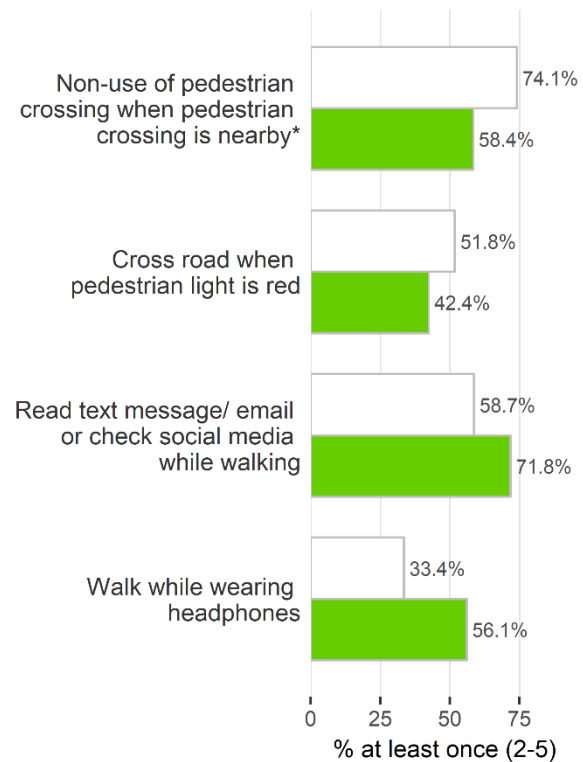
Self-declared behaviour

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

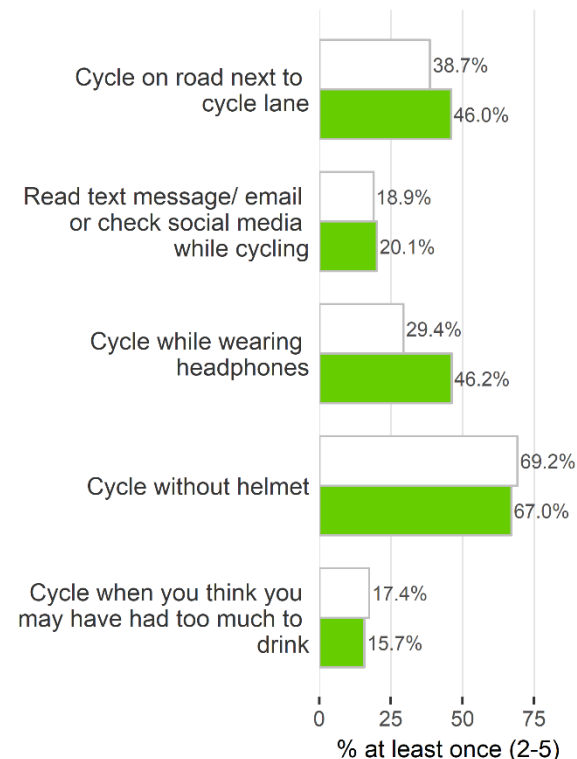
Powered Two Wheelers



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.

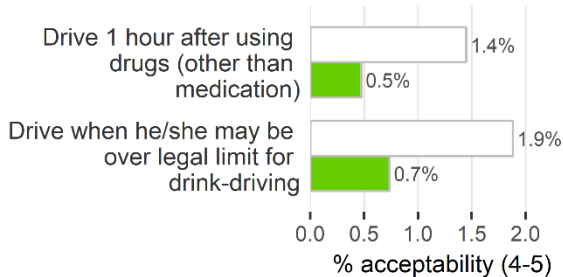
| Mode of transportation | Republic of Korea | Europe20 |
|---|-------------------|----------|
| Car drivers | 745 | 15196 |
| Car drivers who transported children (<18y) exempt from using CRS | 335 | 5694 |
| Car drivers who transported children (<18y) non-exempt from using CRS | 316 | 6094 |
| Car passengers | 844 | 13597 |
| Powered Two Wheelers | 113 | 2611 |
| Pedestrians | 930 | 18466 |
| Cyclists | 405 | 8443 |

*weighted sample for self-declared behaviours.

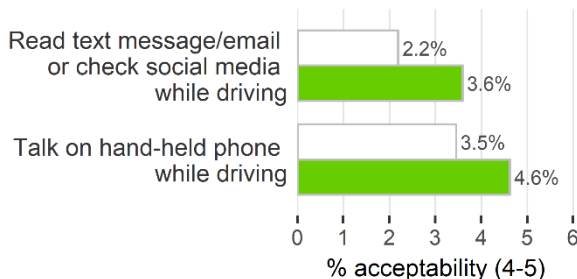
Personal acceptability

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

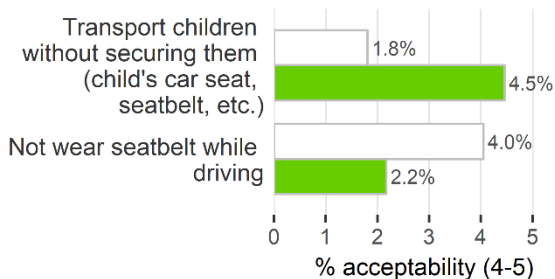
DUI



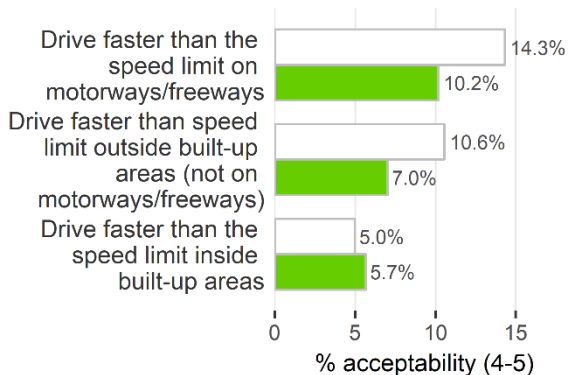
Distraction



Seat belt



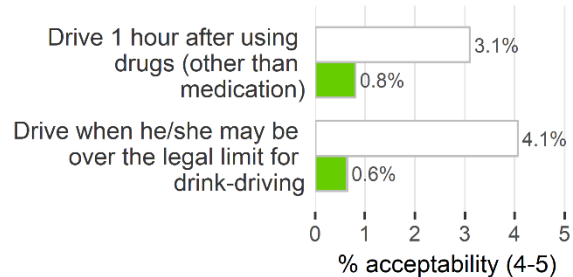
Speed



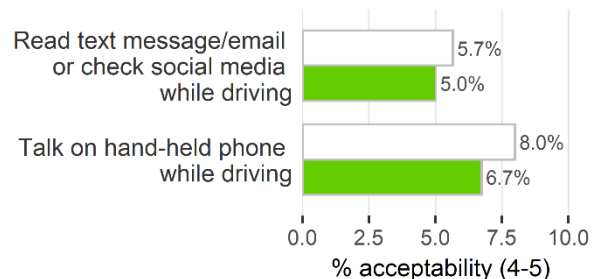
Others' acceptability

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)

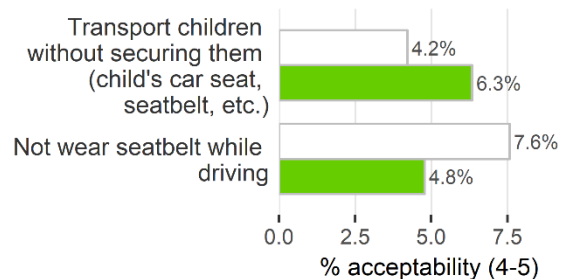
DUI



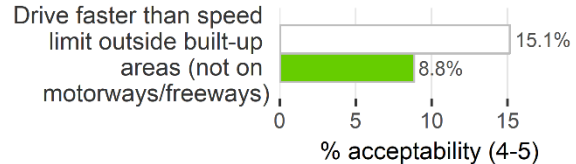
Distraction



Seat belt

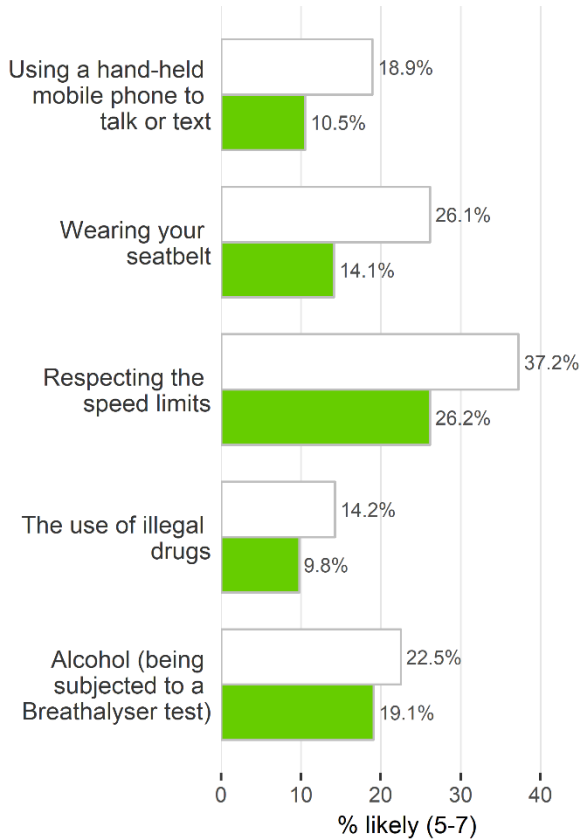


Speed

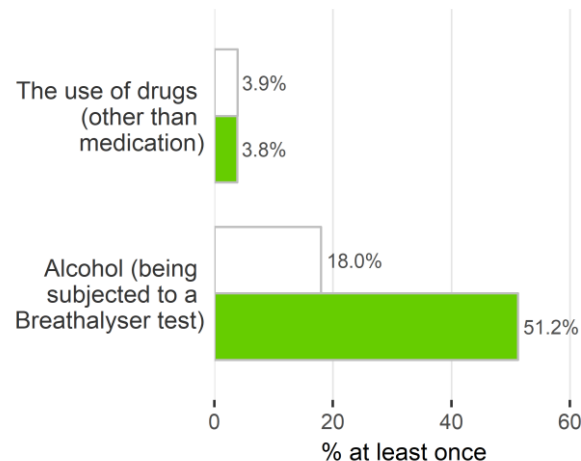


Enforcement

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)

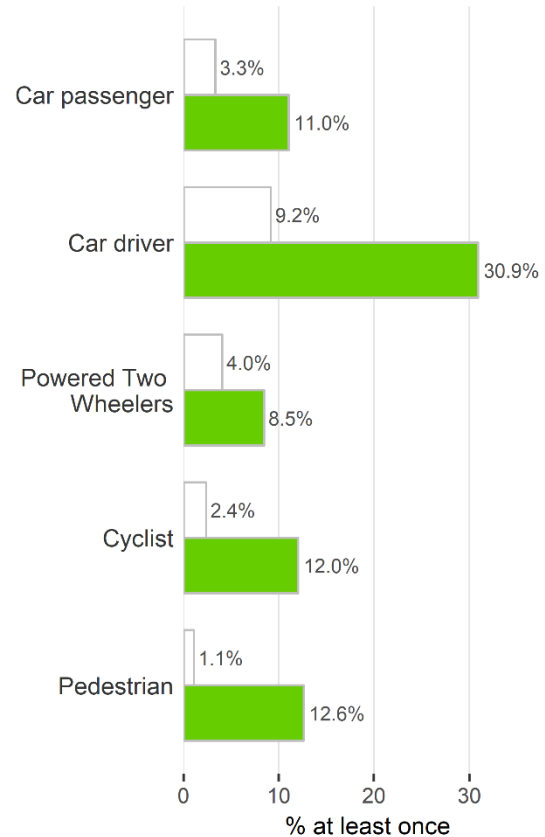


In the past 12 months, how many times (as a CAR DRIVER) have you been checked by the police for... (number)



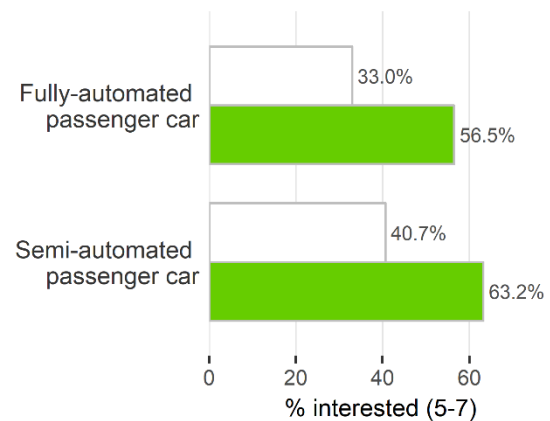
Involvement in road crashes

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 average³.

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 ²) | 2017 | 512.9 | 116.9 ⁴ |
| 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

¹ 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.

² The European ESRA2 mean is based on the results of the 20 European countries participating in the ESRA2 survey: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Poland, Portugal, Serbia, Slovenia, Spain, Sweden, Switzerland, and United Kingdom.

³ 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.

⁴ Population density EU is based on the total population of the EU-28 (512 431 044 inhabitants; Source: World Bank) divided by the total surface of the EU-28 (4 384 317 km²; Source: World Bank).

Please refer to this document as: Vias institute (2019). Country fact sheet Republic of Korea. ESRA2_2018 survey (E-Survey of Road users' Attitudes). Brussels, Belgium: Vias institute.