

MAKING WALKING AND CYCLING ON EUROPE'S ROADS SAFER

Volvo Safety Days

8/11/ 2017

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behalf of ETSC*

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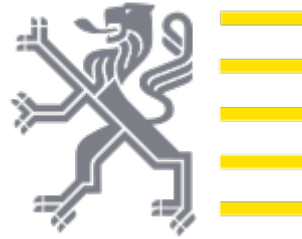
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ETSC Activities

Monitoring EU
transport
safety policy



Road Safety
Performance Index
(PIN)



SAFE & SOBER



DRUG DRIVING



2014-2016
bad years
for road
safety

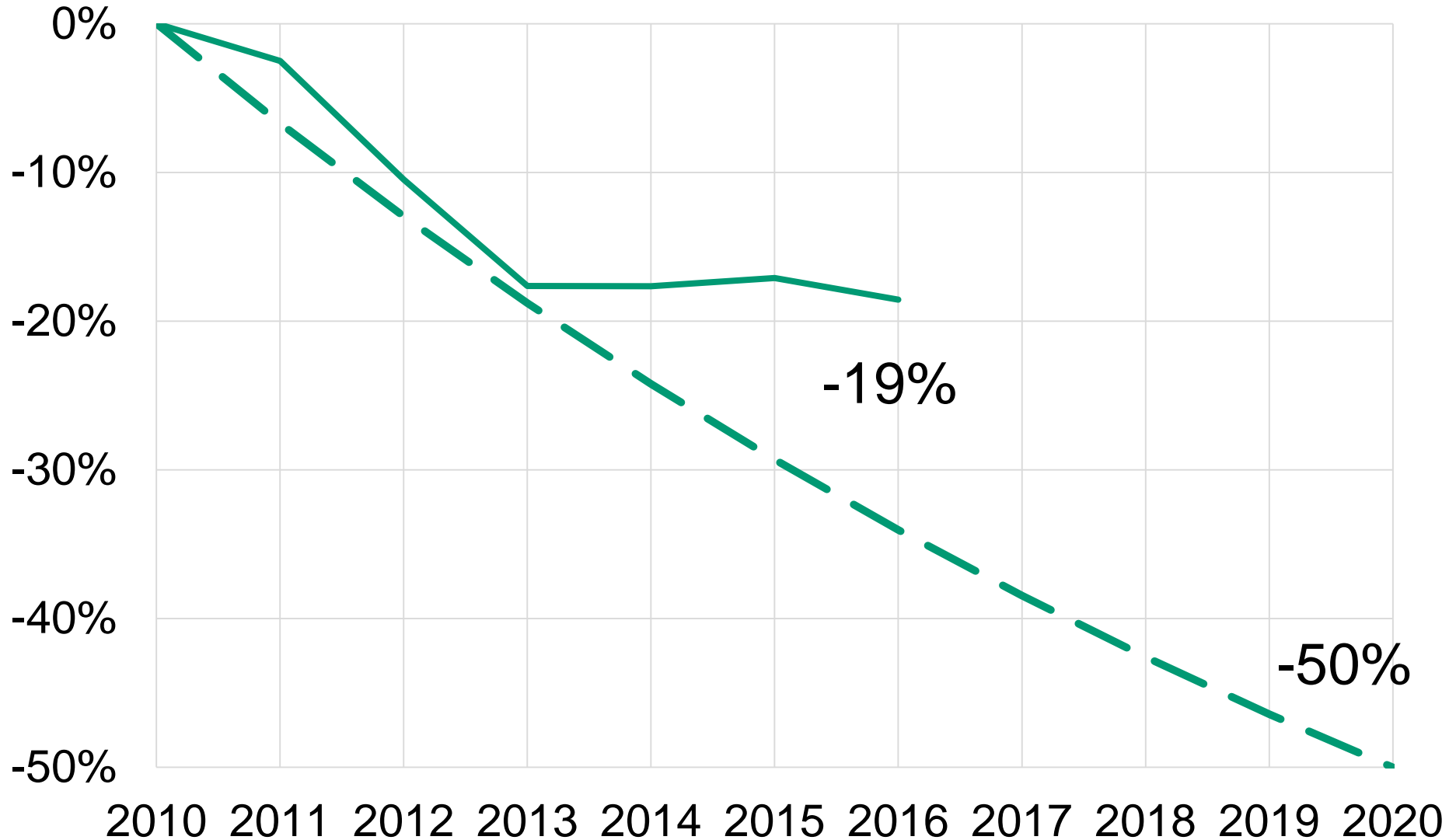
25,670

people died in road traffic in the
EU28 in 2016

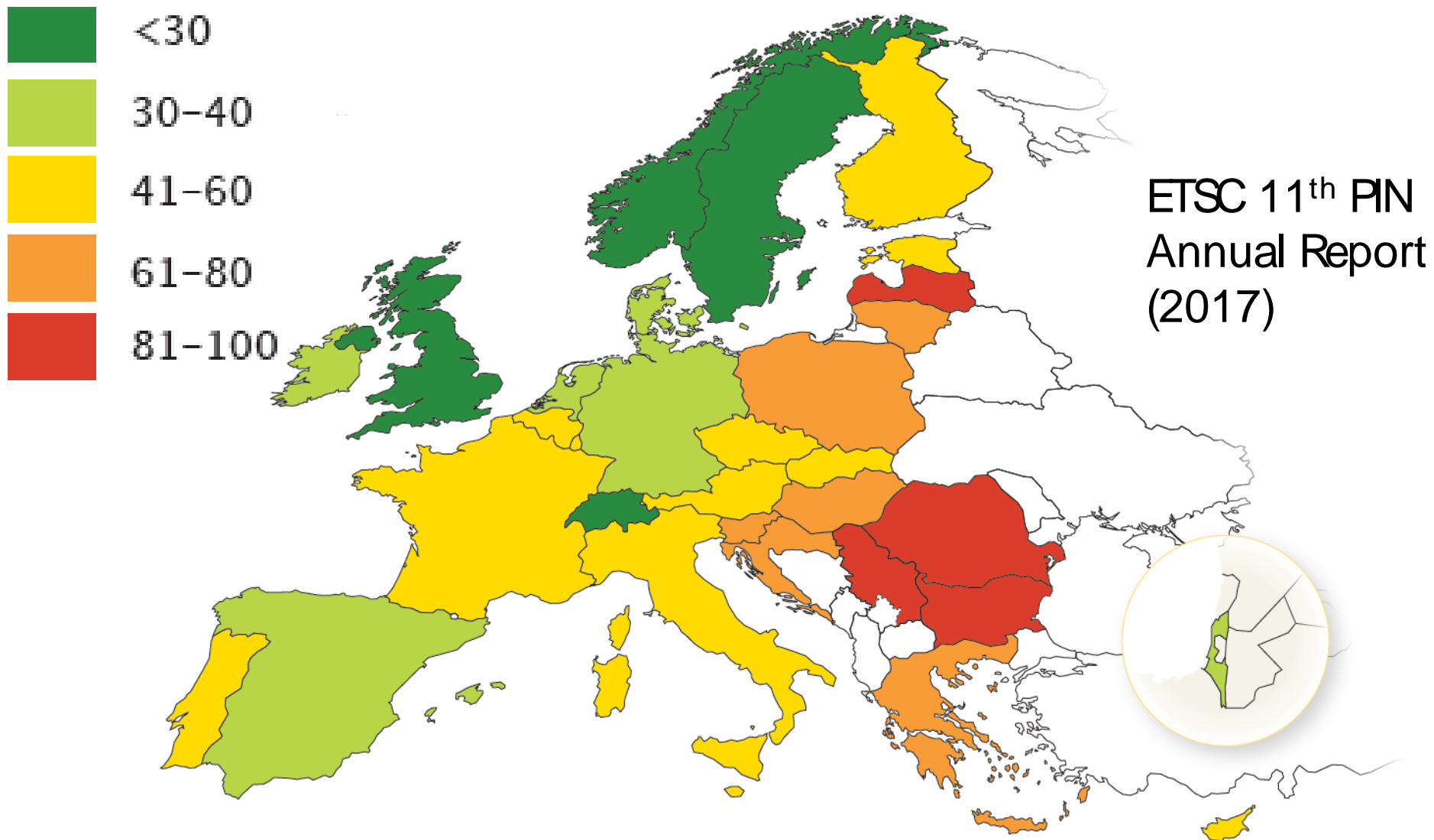
135,000^{*}
seriously injured in
road traffic in the EU
in 2014

* Estimation for the European Commission
based on seriously injured as MAIS3+

THE EU TARGET IS AT STAKE



DEATHS PER MILLION INHABITANTS IN 2016

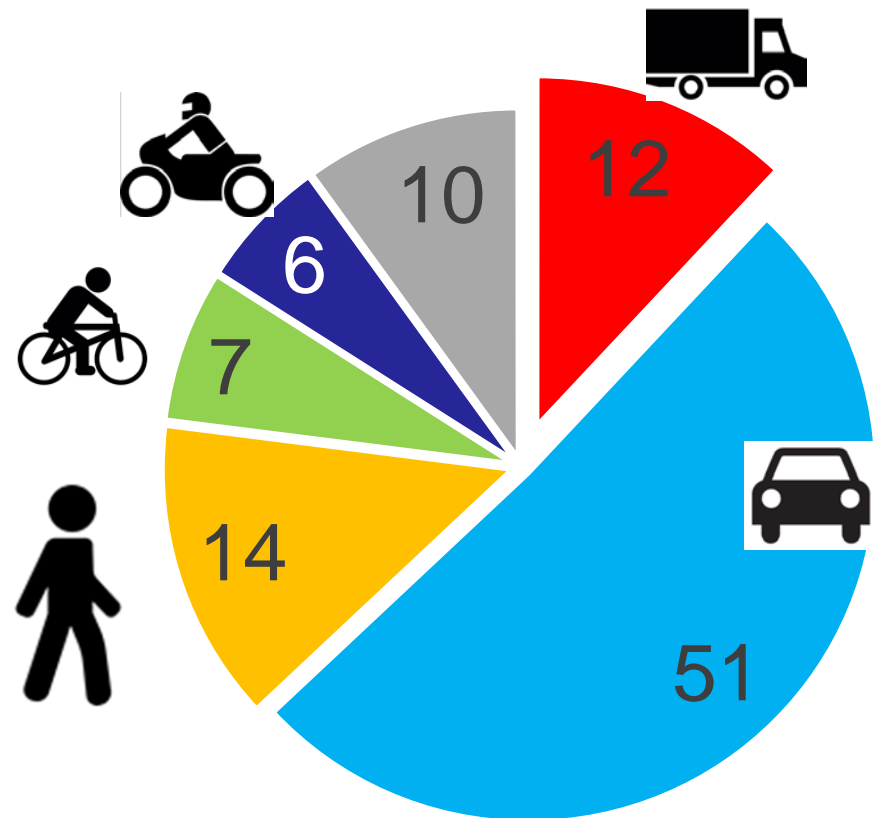


ETSC PIN Flash 24 Towards Safer Transport of Goods and Passengers in Europe

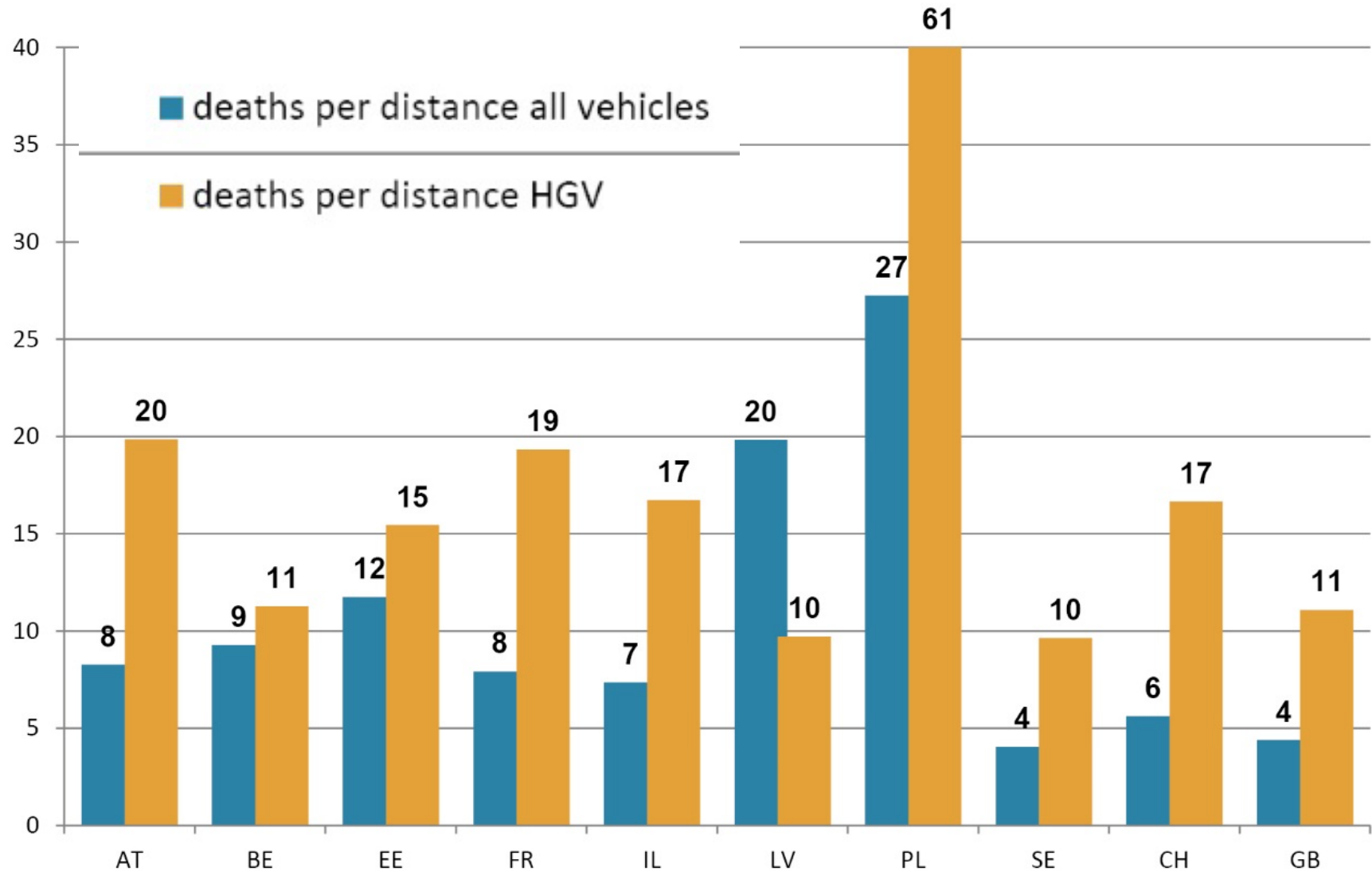
- 4,250 people lost their lives IN collisions involving heavy goods vehicles (HGVs) in 2011.

Occupants of HGVs make 12% of the deaths in collisions involving a truck.

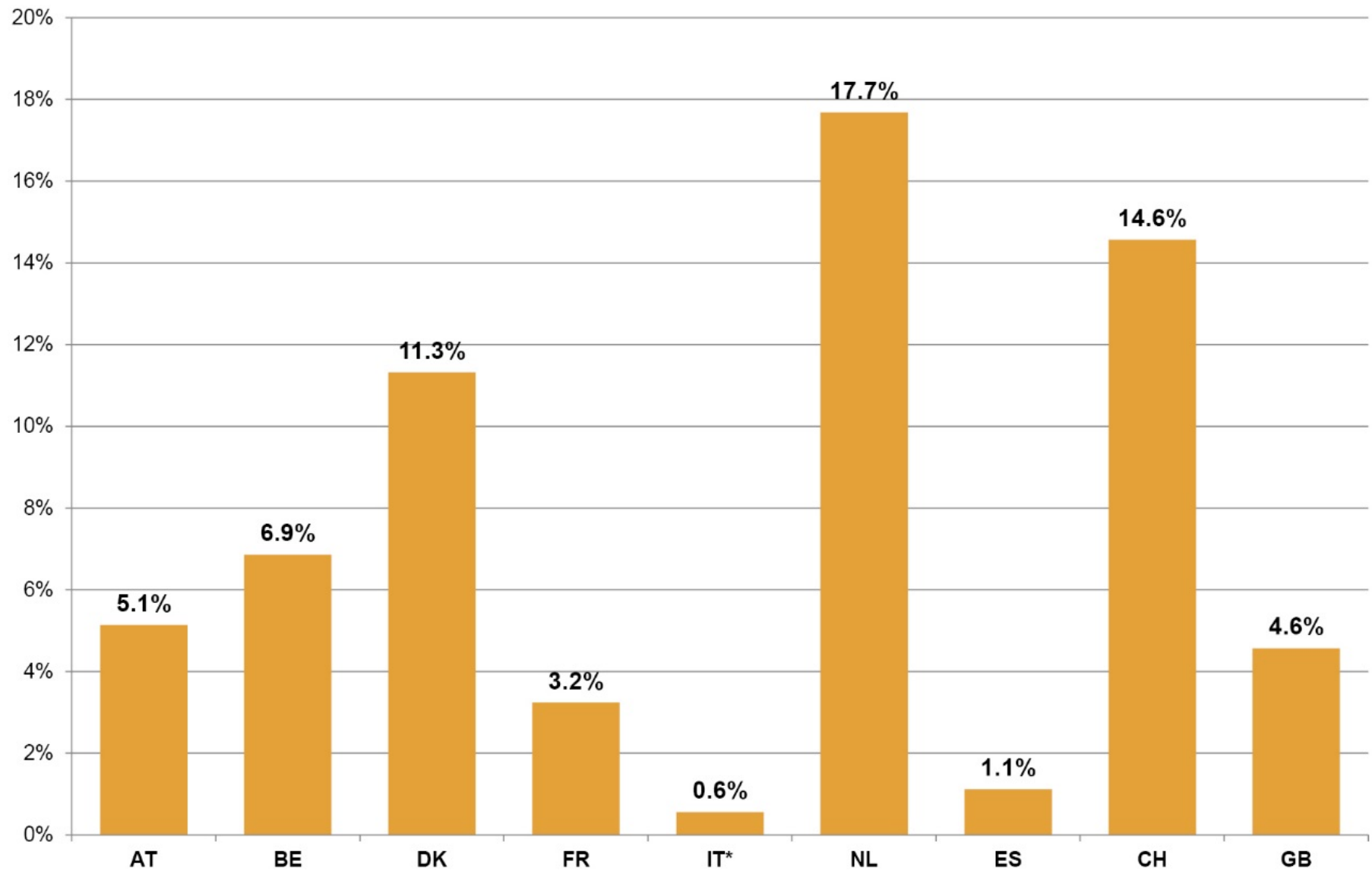
51% are car occupants
27% are VRUs



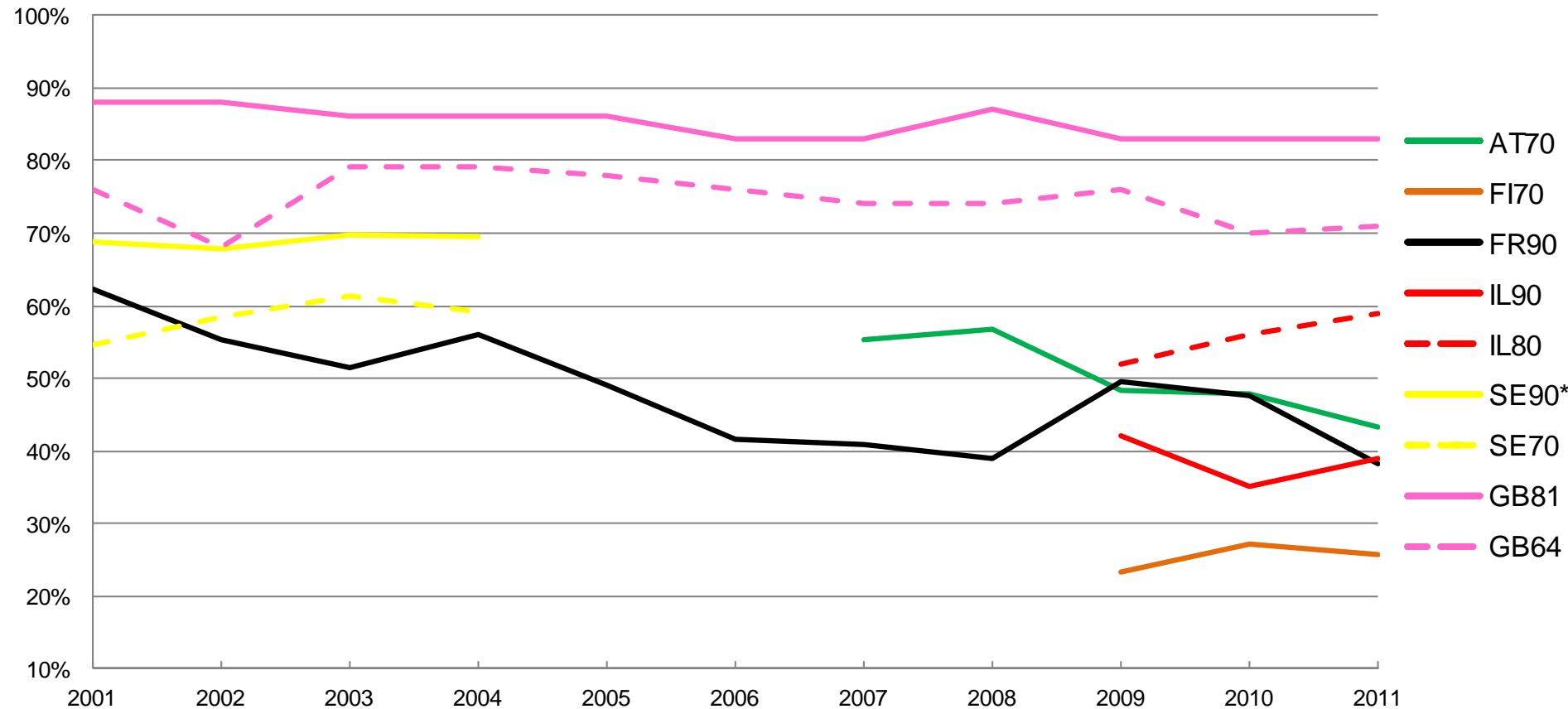
HGV deaths by distance travelled



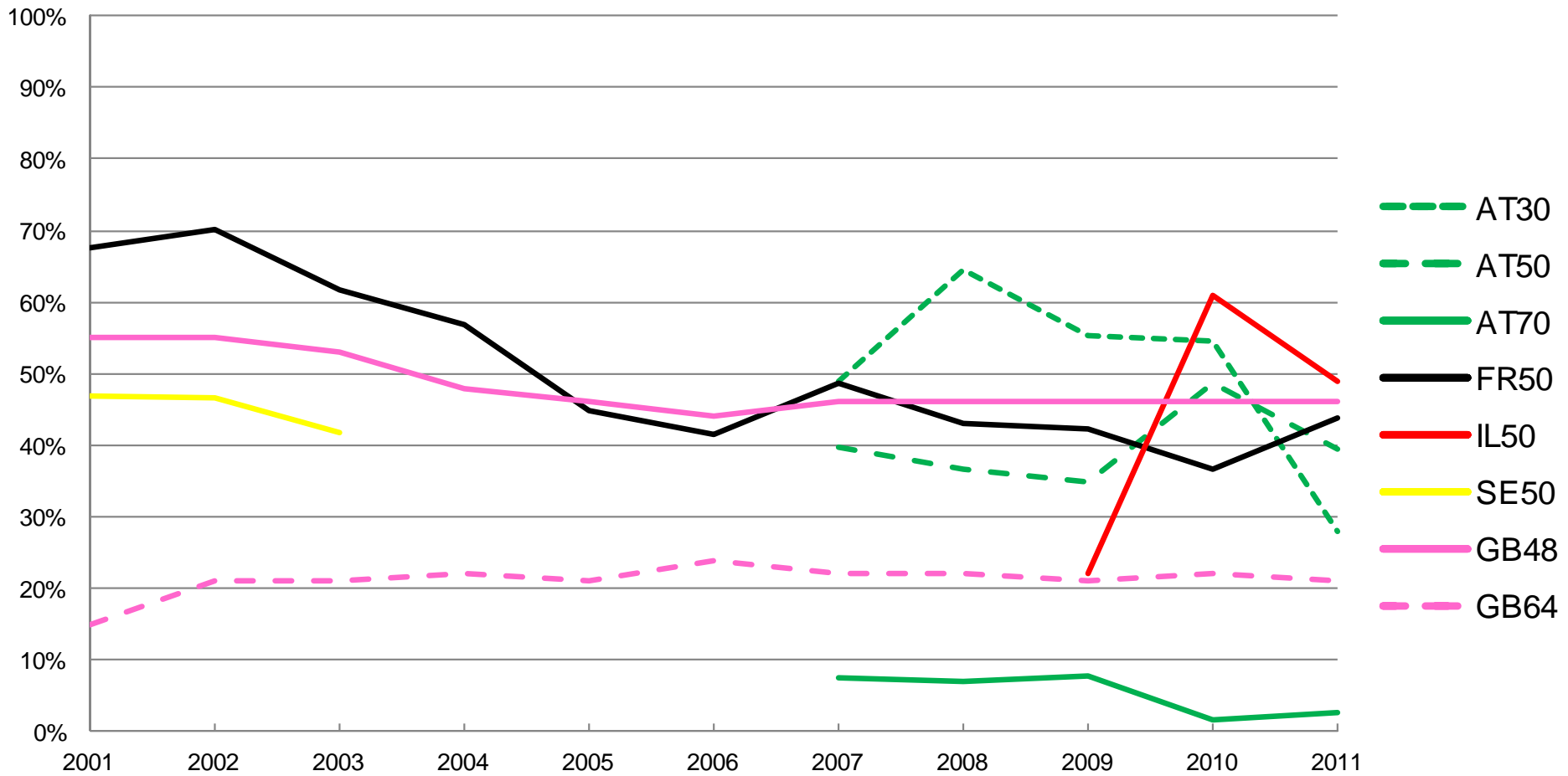
% of HGV deaths involving a nearside turn



HGVs exceeding speed limit on rural roads



HGVs exceeding speed limit on urban roads

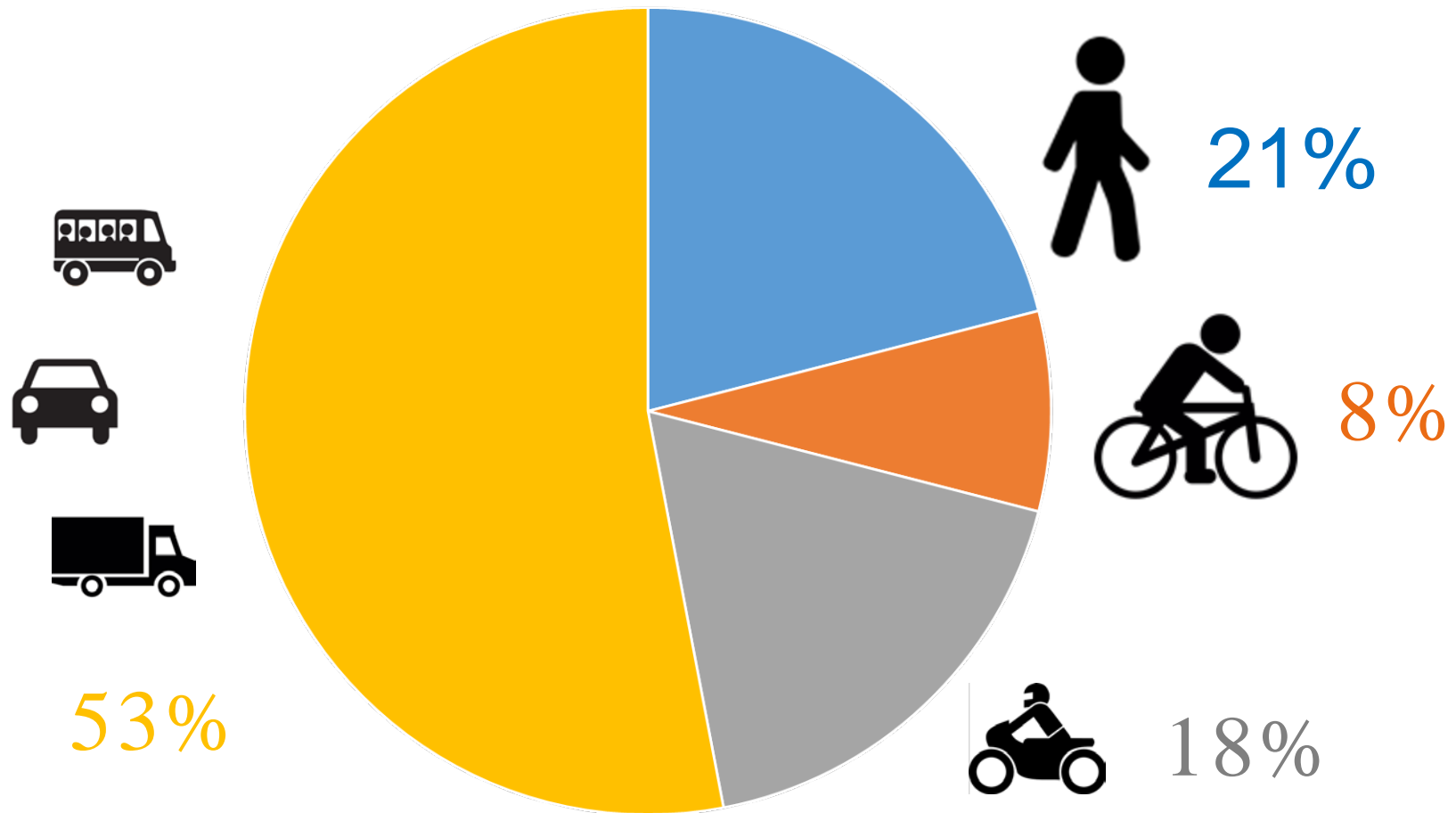


ETSC PIN FLASH 29 (2015) MAKING WALKING AND CYCLING SAFER

7,600  

People died in road
traffic while cycling or
walking in the EU in
2013

Pedestrians and cyclists account for 29% of all road deaths in the EU



ETSC PIN Flash 29 (2015), Making walking and cycling safer on Europe's roads

People who walk or cycle are not
getting a fair share of
improvements in road safety



Reductions in road deaths 2002-2012



ETSC PIN Flash 29 (2015), Making walking and cycling safer on
Europe's roads

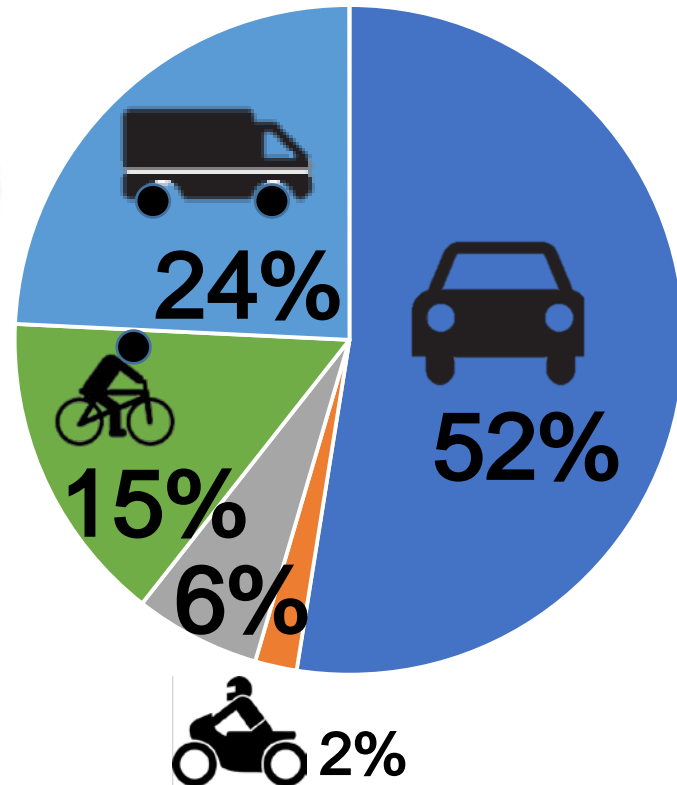
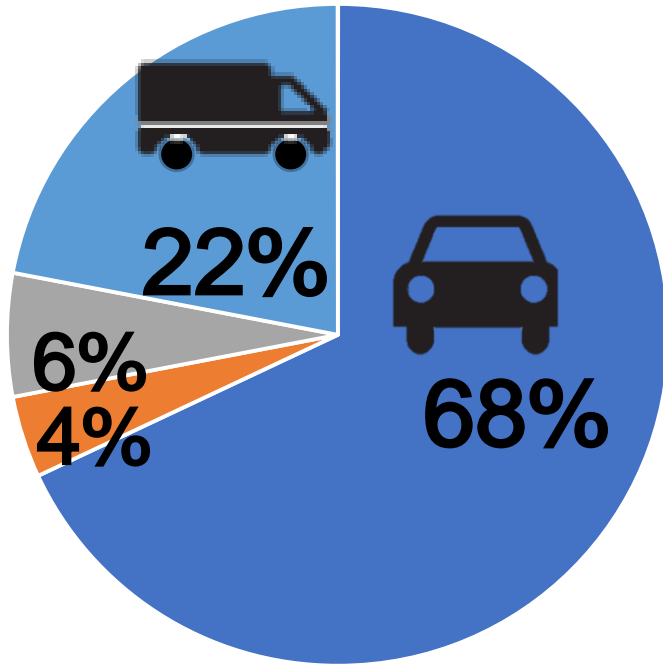
69% of pedestrians and 56% of cyclists are killed on urban roads



Average of the years 2011-2013 for the EU as a whole

ETSC PIN Flash 29 (2015), Making walking and cycling safer on Europe's roads

94% of pedestrians and 78% of cyclists are killed in collisions with (a) motorised vehicle(s)



Average of the years 2011-2013 for the EU as a whole

ETSC PIN Flash 29 (2015), Making walking and cycling safer on Europe's roads

Safety=
road users + infrastructure + vehicle
design



EU VEHICLE SAFETY STANDARDS

- Figures would have been significantly higher without vehicle safety measures already taken by the EU
- Vehicle safety standards: exclusive competence (Article 114 of the EU Treaty)
- Last revision of the EU common vehicle safety rules in 2009 with the General Safety Regulation 661/2009 and Pedestrian Protection Regulation 78/2009
- The European Commission is considering making 24 new vehicle safety measures mandatory, ISA is one of them

Safer vehicles good for cyclists and pedestrians



- Overridable assisting ISA on all new vehicles default ON

- Alcohol interlocks on professional vehicles and a standard interface for all vehicles



- Autonomous Emergency Braking (AEB) including AEB-PCD

- Event Data Recorders (EDR)

- Improved pedestrian protection offered by cars

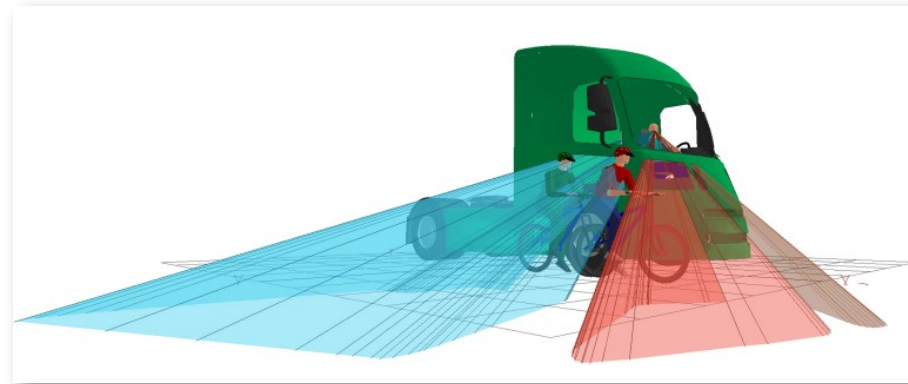
- Safer truck fronts and sides

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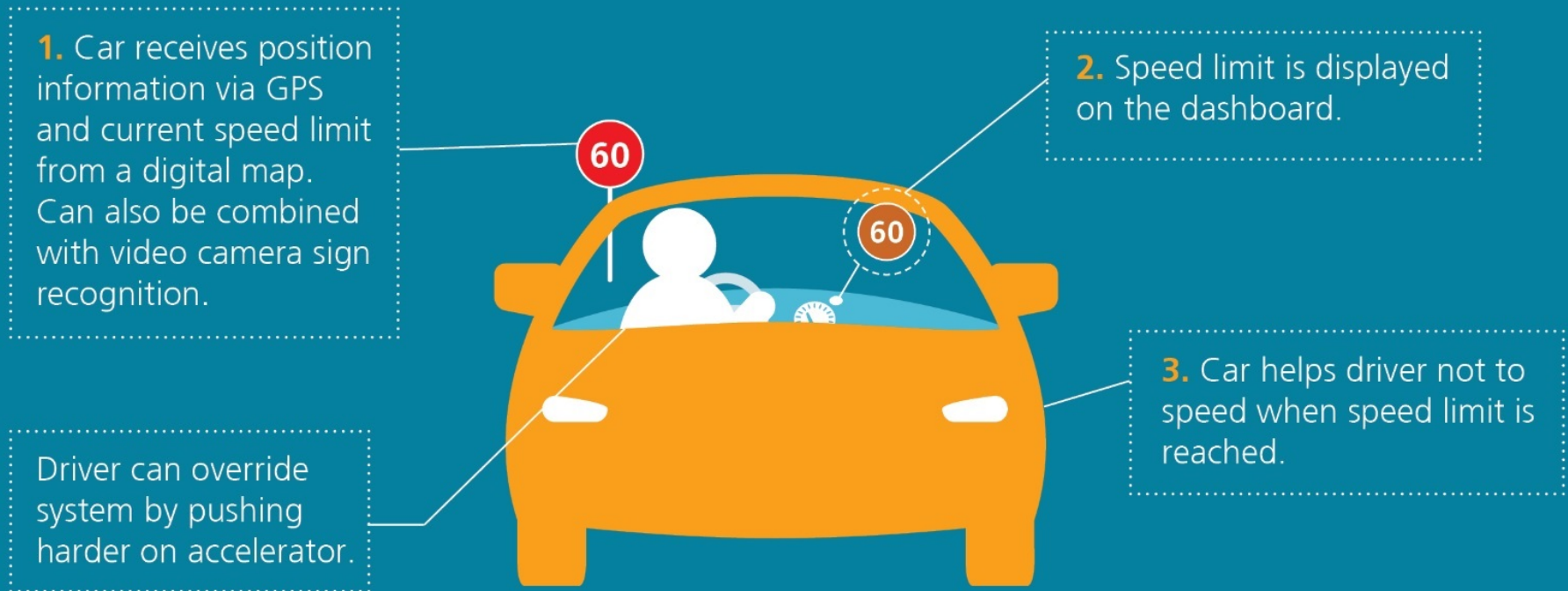
Safer trucks good for pedestrians and cyclists

- Fit all new vehicles (including turning HGVs) with AEB systems able to detect VRUs
- Fit all new vehicles (including trucks) with overridable assisting ISA
- Direct & enhanced vision for HGVs
- Indicator lights along side of the trucks/trailers



INTELLIGENT SPEED ASSISTANCE

WHAT IS INTELLIGENT SPEED ASSISTANCE?



ETSC movie 'Fit Safety as Standard'

<https://www.youtube.com/watch?v=SoZLrZTnUGs&t=26s>

INTELLIGENT SPEED ASSISTANCE

ISA COULD CUT **COLLISIONS** BY **30%**
AND **DEATHS** BY **20%**



Cars fitted with ISA
could **reduce CO2**
emissions by **8%**



EuroNCAP awards
extra points to
cars fitted with ISA



78% of road users
64% of car drivers
say they support in-vehicle
speed limiters (SATRE 2012)

+ ISA helps drivers avoid speeding tickets!

All new London busses fitted with ISA

Mayor of London set out a 'Vision Zero' approach: no one to be killed in or by a London bus by 2030.

→ Bus Safety Programme: all new buses will have to be fitted with mandatory ISA

- TfL provides the Digital Speed Limit Map
- TfL buy ~900 buses /year. The whole fleet of 9000 buses will be renewed in 10 years.
- Technology for the ISA trial was provided by Zeta Automotive (part of Arriva group).



Find out more: etsc.eu

<http://etsc.eu/towards-safer-transport-of-goods-and-passengers-in-europe-pin-flash-24/>

