

ACCIDENTS INVOLVING UNPROTECTED ROAD USERS

Volvo Truck Safety Report 2017

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Volvo Trucks Accident Research Team (ART)

In-house research since 1969



EU road fatalities

26,000
per year

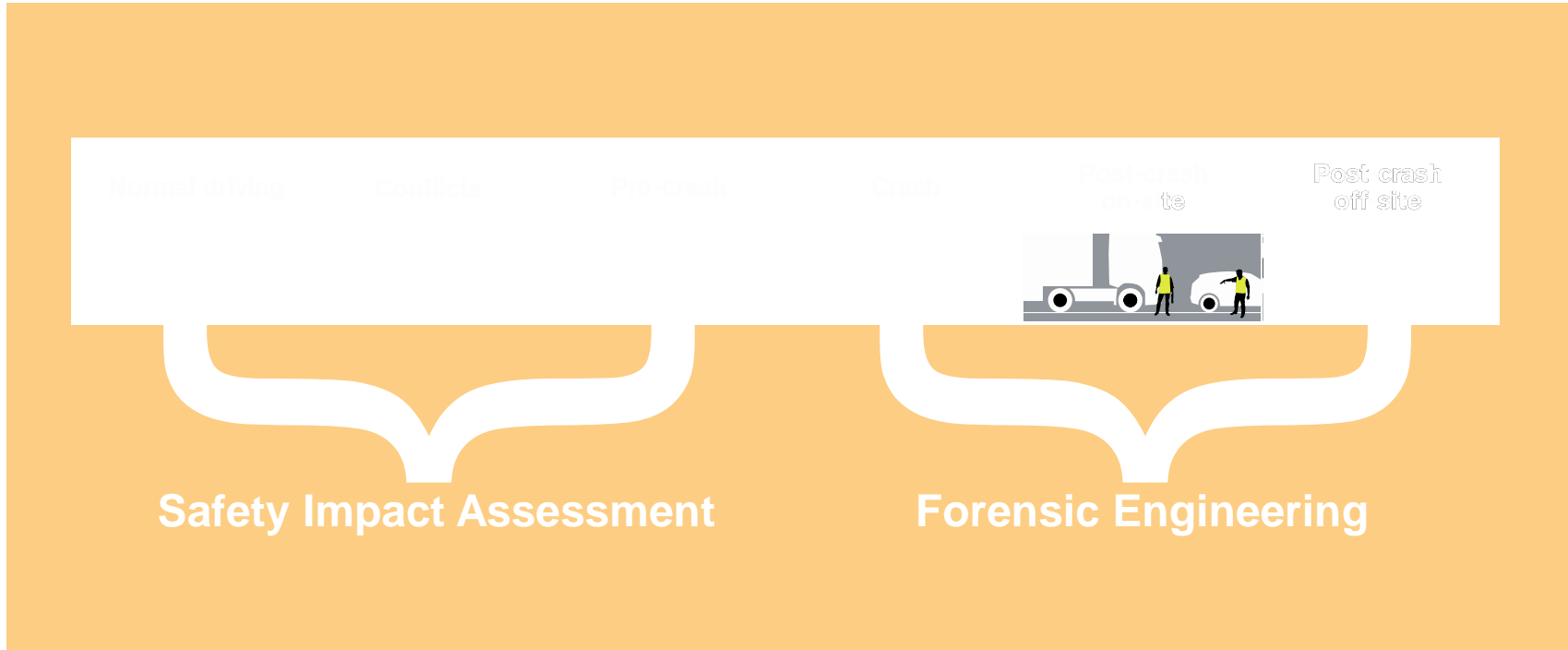


15%
truck related

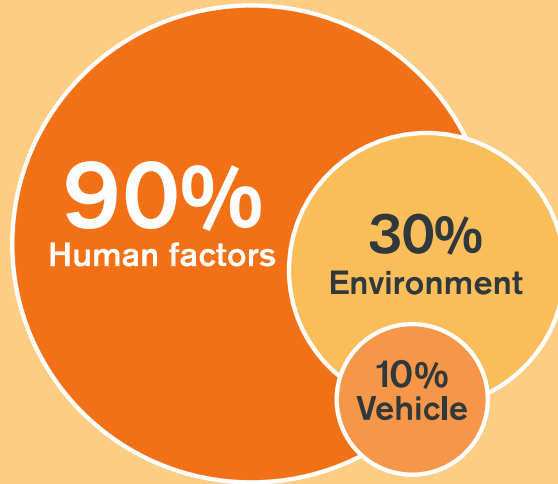




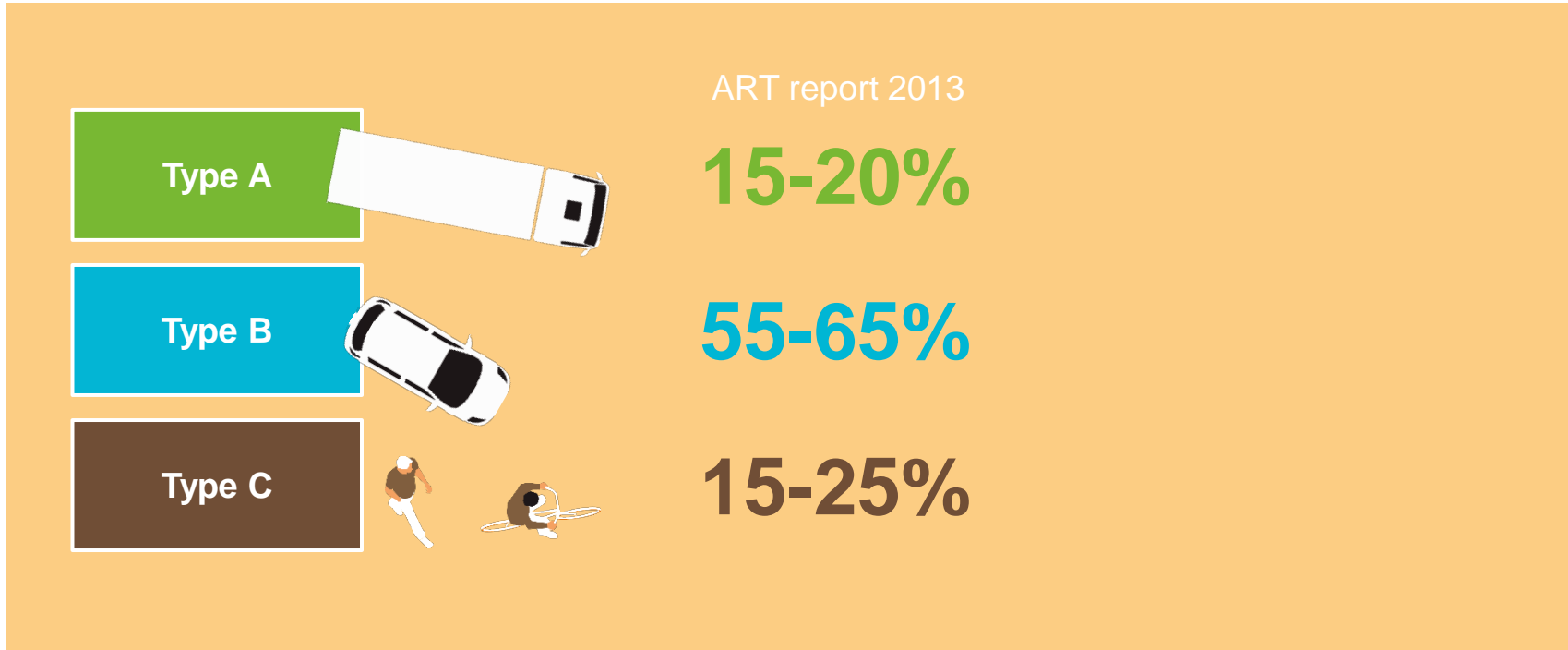
Finding the cause of an accident?



Humans are good drivers. Still...

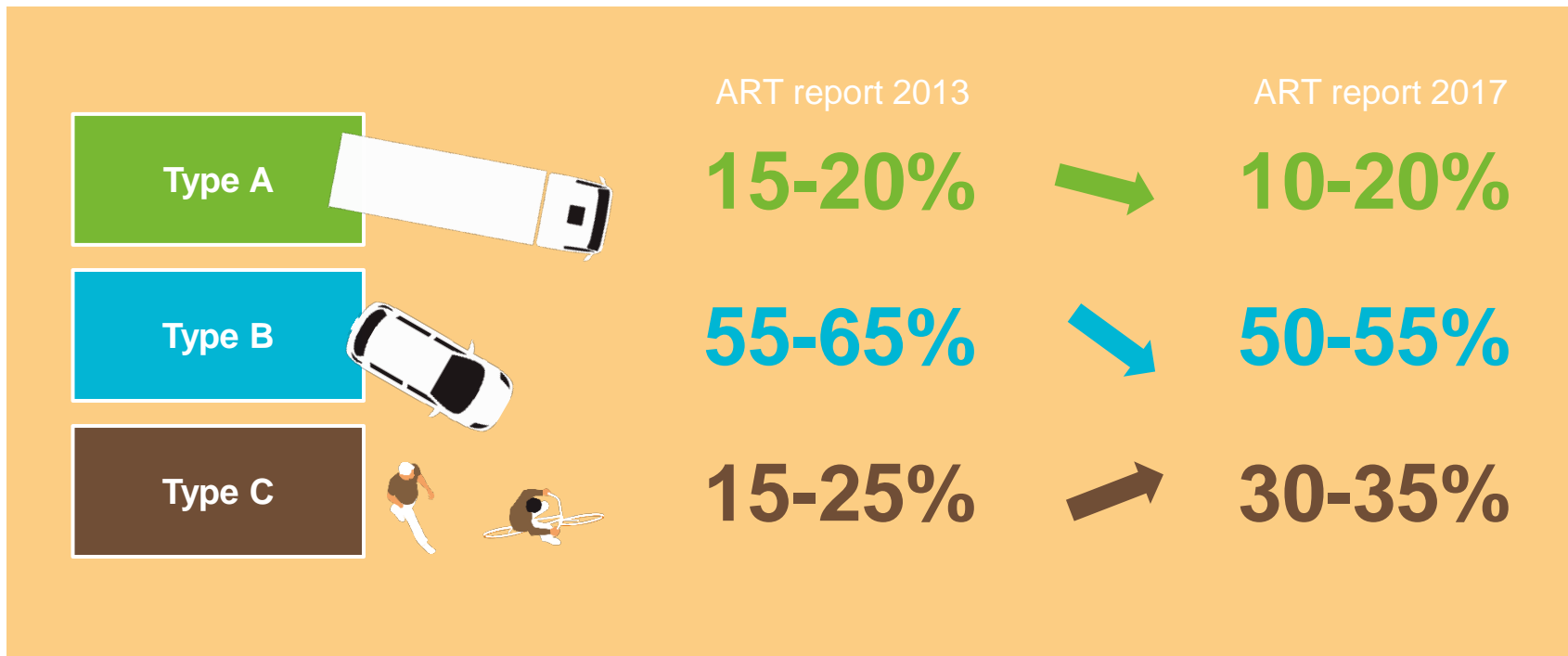


Accident type trend



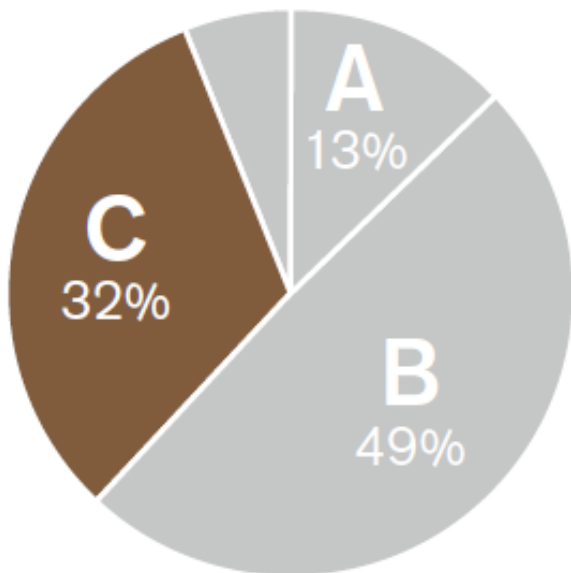
Sources: Analyses of official data and Volvo Trucks ART findings and experiences.

Accident type trend



Sources: Analyses of official data and Volvo Trucks ART findings and experiences.

Fatalities involving HGVs



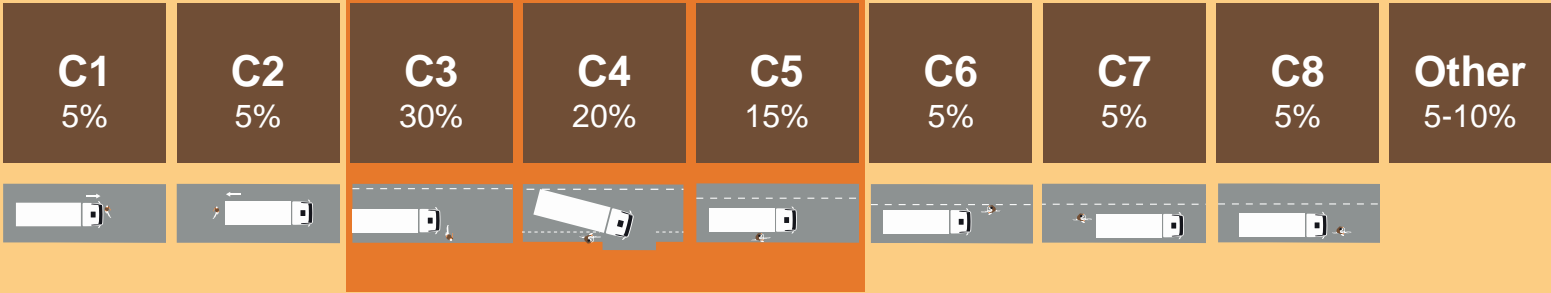
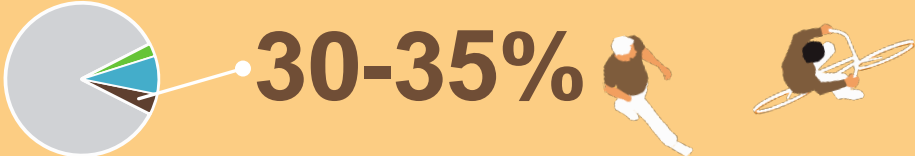
Pedestrians, 7%

Cyclists, 8%

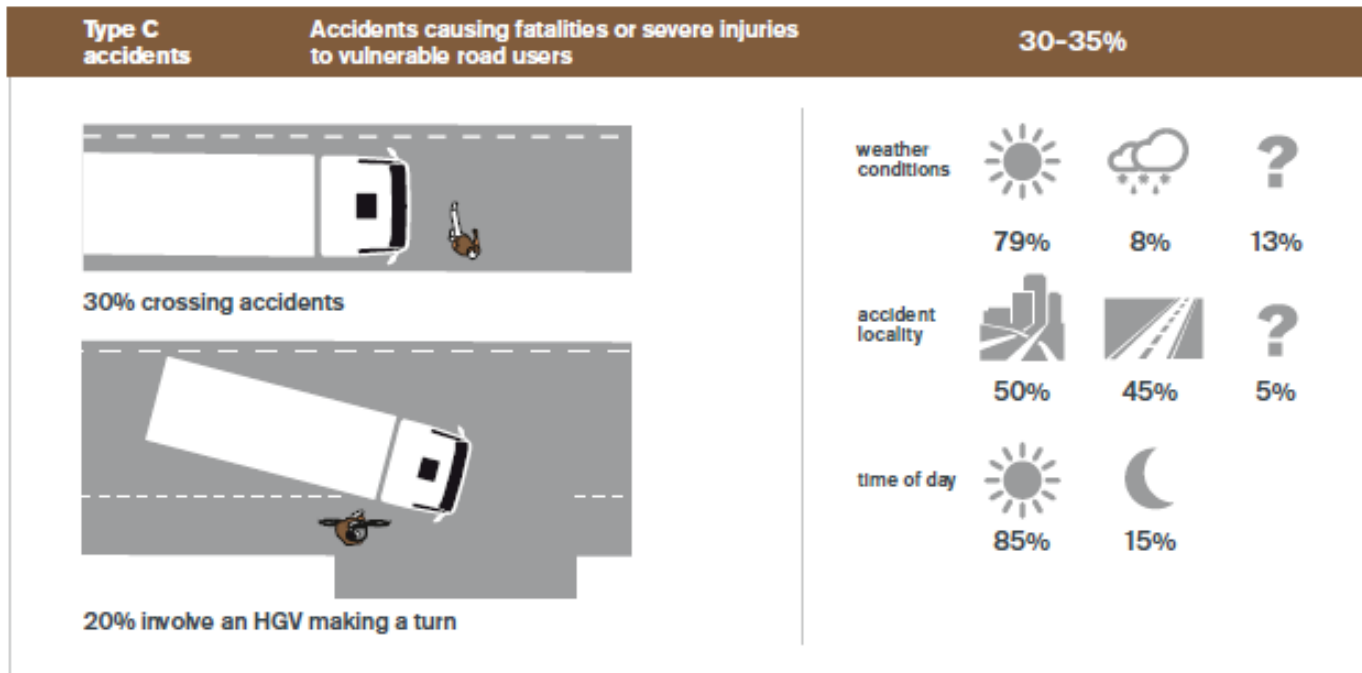
PTW, 17%



Accidents causing serious injuries and fatalities to vulnerable road users



HGV related fatalities



Sources: Analyses of official data and Volvo Trucks ART findings and experiences.

Traffic Accidents GB 2011- 15

Total 8 873 Fatalities

2 672 Fatalities Pedestrians + Pedal Cyclists

Target Population for VIS

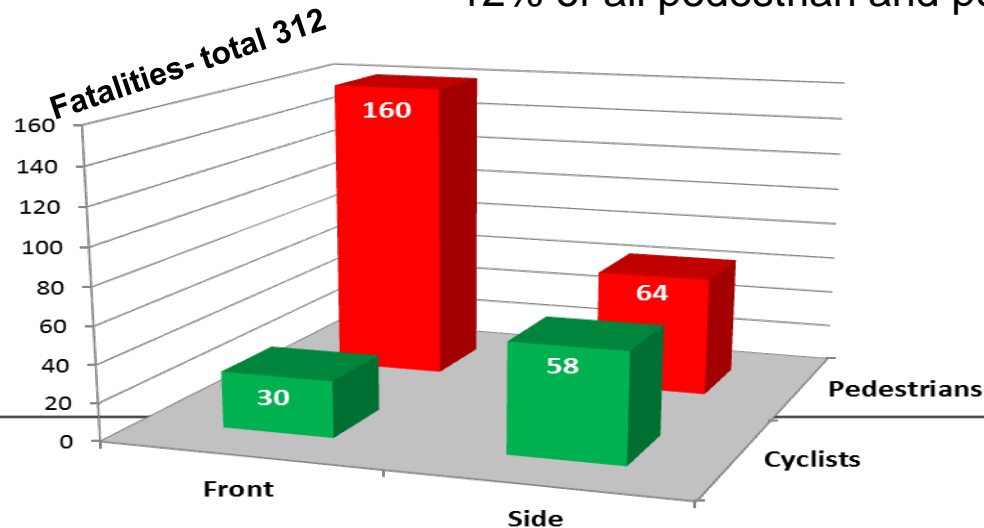
Pedestrian or Pedal cyclist collision with Front or Side of N2/ N3

All speeds

312 Fatalities

3.5 % of total

12% of all pedestrian and pedal cyclist fatalities

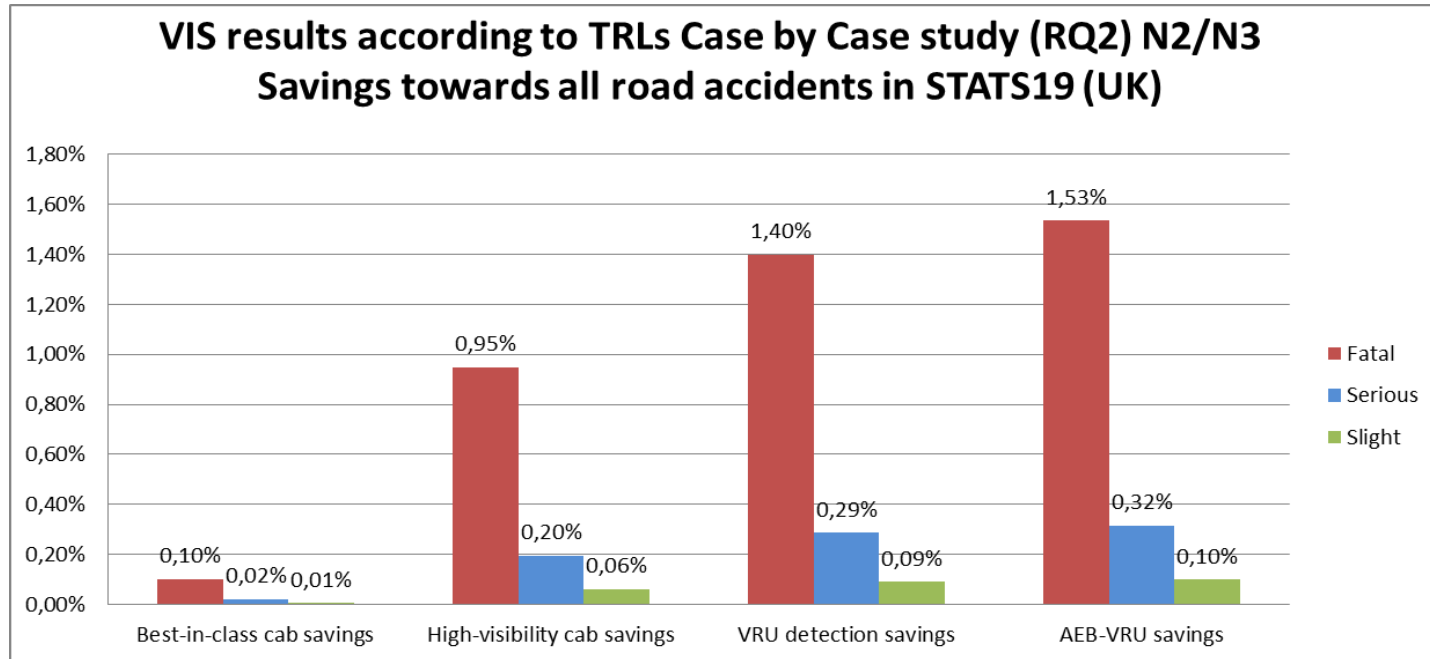


- 2/3 in urban and 1/3 in rural areas
- 190 collided w front, ~2.1 % of all fatalities
- 122 collided w side, ~1.4 % of all fatalities
- 88 pedal cyclists
- 224 pedestrians



Potential benefits expected: results

- Savings in reference to all road accidents in STATS19 (UK) according to TRL case by case study



Reference: total number of fatalities, seriously and slightly injured, in all road accidents STATS19 (UK)



Active safety solutions

more effective

more conflict scenarios

faster penetration rate