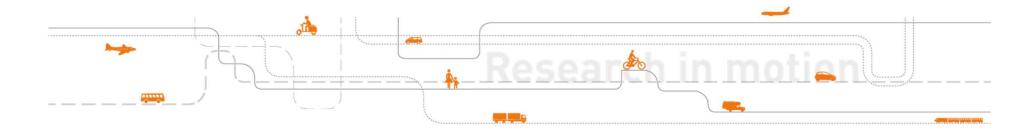
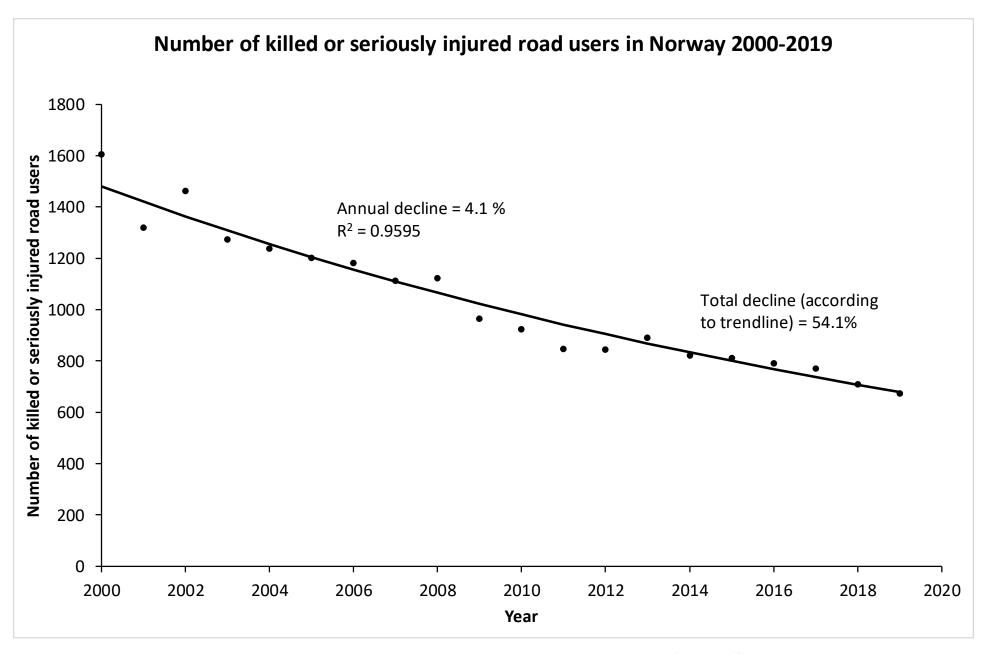


Explaining the decline in killed and seriously injured road users in Norway from 2000 to 2019

NVF online road safety seminar

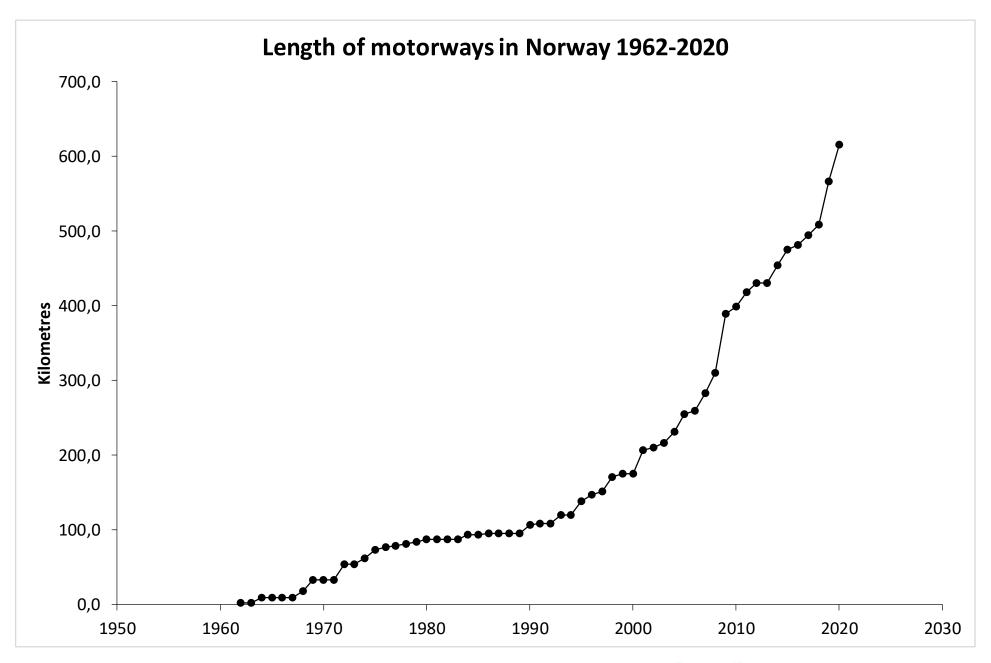
Rune Elvik, Institute of Transport Economics (re@toi.no)

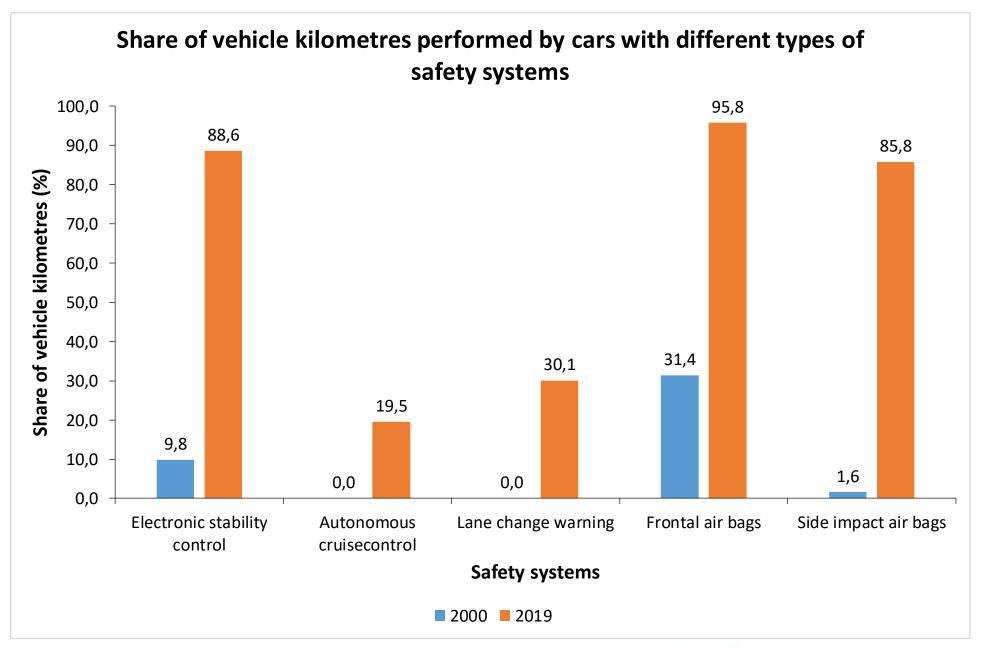


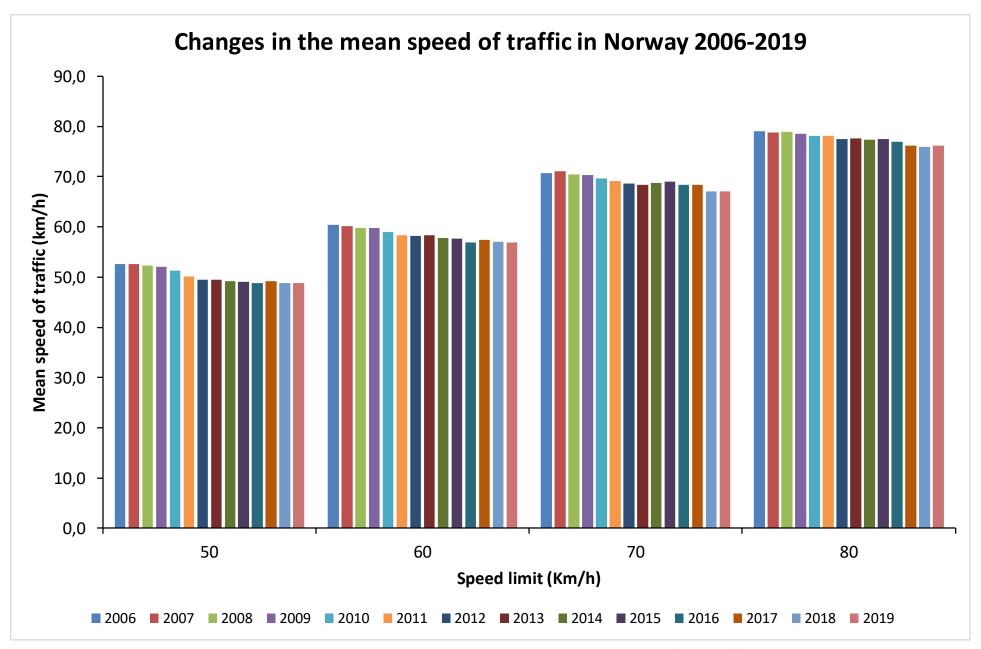


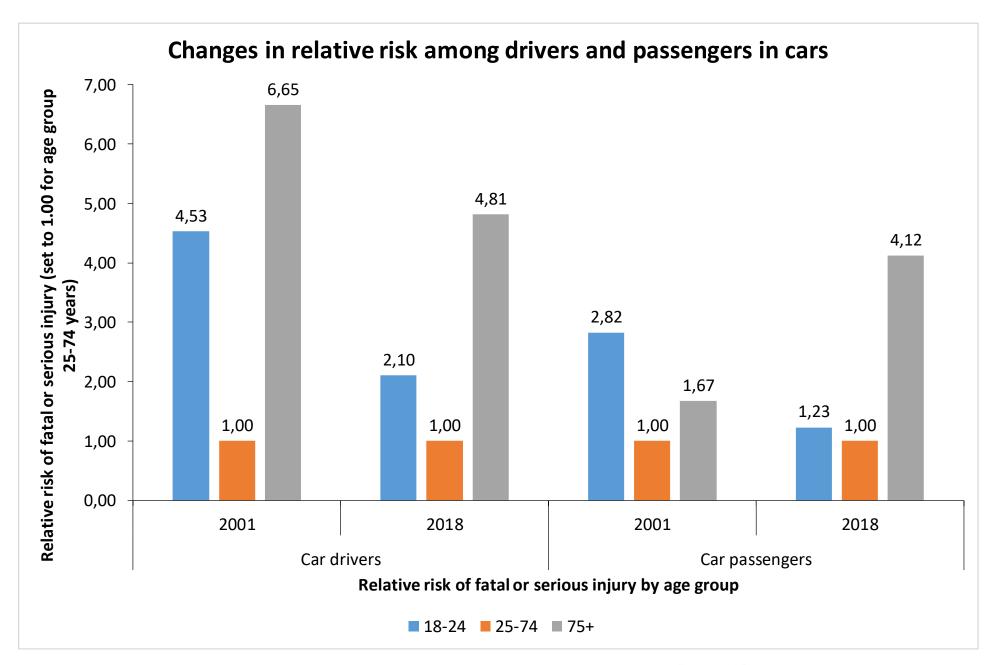
Factors contributing to decline

- Road safety measures
 - Measures in all areas were included
- Changes in road user behaviour
 - Lower speed of traffic, increased seat belt wearing, increased bicycle helmet wearing
- Other societal trends
 - Attenuation of risk variation by age in car drivers; fewer children killed or injured
- Update of study in 2014 covering 2000-2012

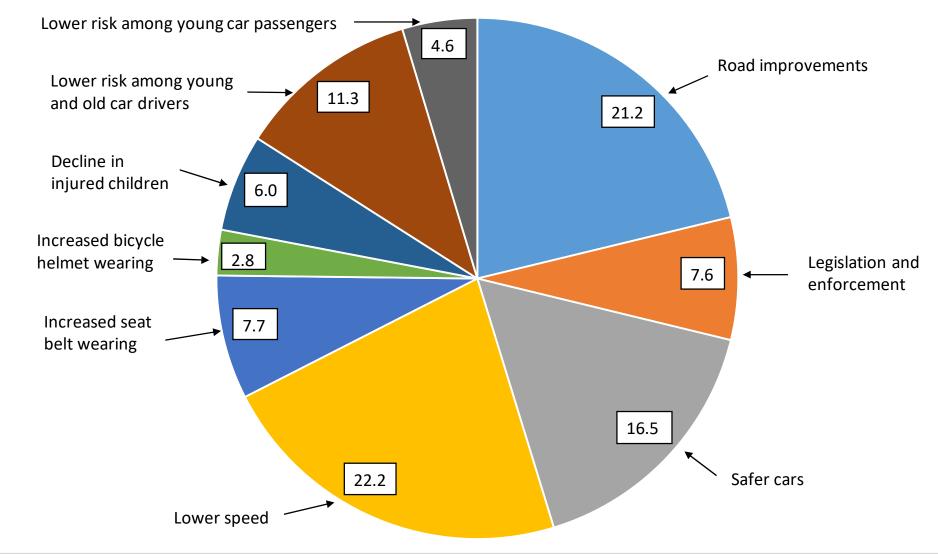


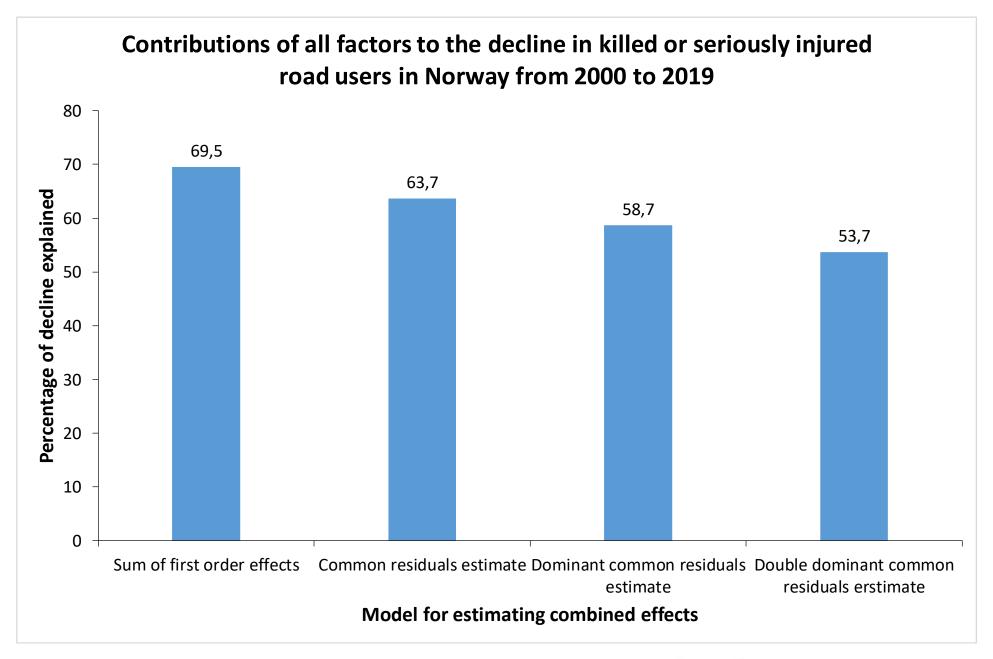




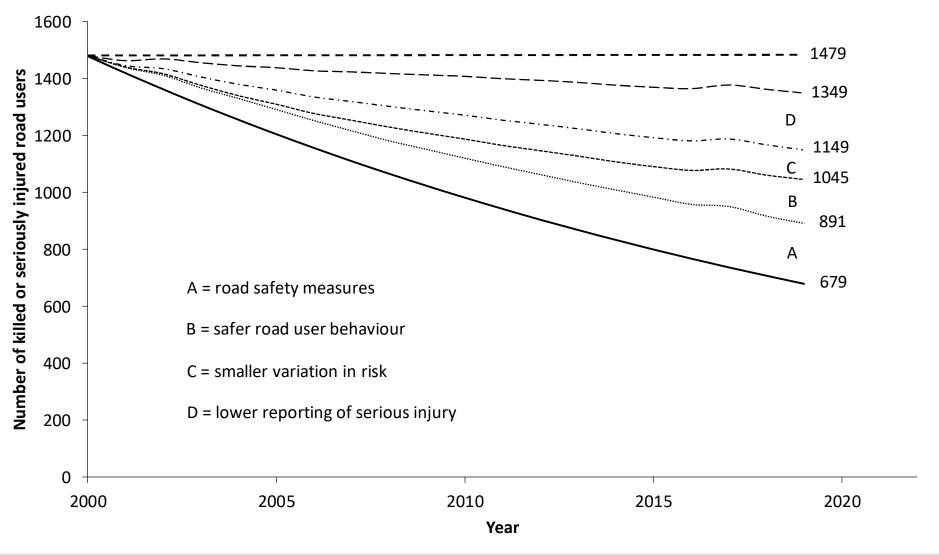


Contributions of factors explaining decline in number of killed or seriously injured road users from 2000 to 2019





Main factors contributing to the decline in killed or seriously injured road users in Norway 2000-2019



Summary and conclusions

- The largest contributions to the decline come from three factors:
 - Lower mean speed of traffic
 - Road improvements
 - New safety systems on cars
- The factors included explain between 43 % and 74 % of the decline in killed or seriously injured road users
- Not all road safety measures could be included in the study – their contribution is therefore underestimated
- There is uncertainty about the combined contributions of all factors