Vision Zero - what is it about?

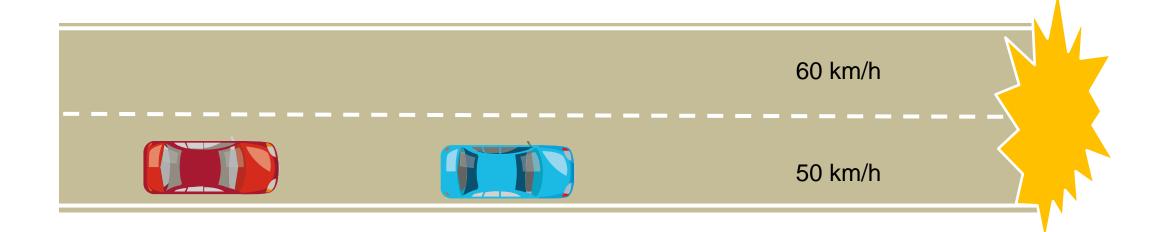
Kenneth Svensson Special advisor, Traffic Safety Swedish Transport Administration







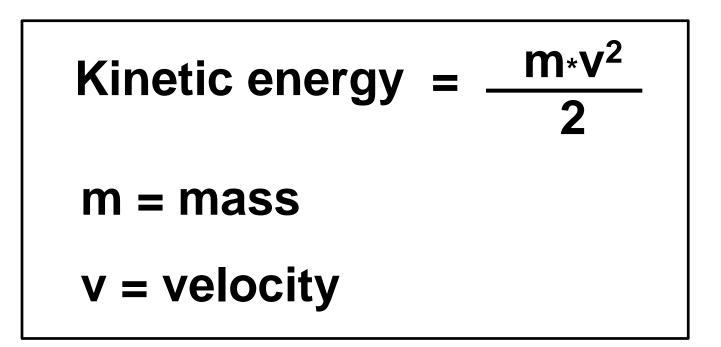
What speed would the red car be at when the blue car has stopped?







Basic physics

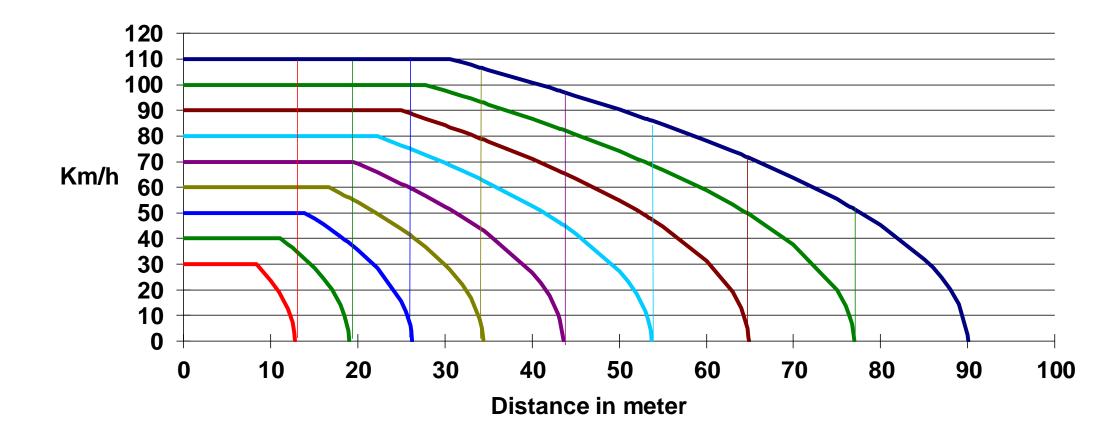






Stopping distance and collision speed

Fast reaction time 1 second and hard breaking on dry asphalt (retardation 0,8 g)









Usain Bolt – the fastest man on earth



100 m: 9.58 sec

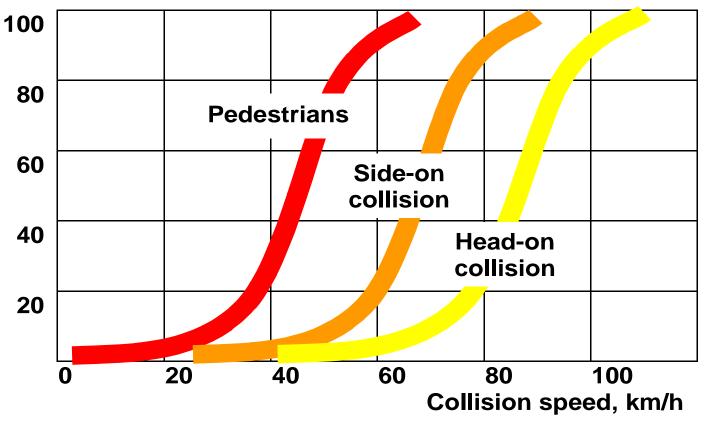
Mean speed: 38 km/h





Risk to be killed at different collision speeds

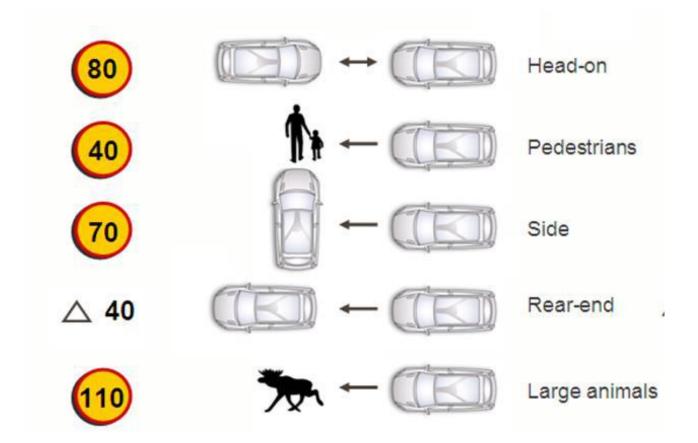
Risk to be killed, %







Vision Zero design speed for modern cars



ZEROACADEMY





An ethical standpoint that no-one should be killed or suffer lifelong injury in road traffic.

Road users will always make errors.

The level of violence that the human body can tolerate without being killed or seriously injured shall be the basic parameter in the design of the road transport system.







Shared responsibility

System designers are responsible for the design, operation and the use of the road transport system and are thereby responsible for the level of safety within the entire system.

Road users are responsible for following the rules for using the road transport system set by the system designers.

If the users fail to comply with these rules due to a lack of knowledge, acceptance or ability, the system designers are required to take the necessary further steps to prevent people from being killed or injured.

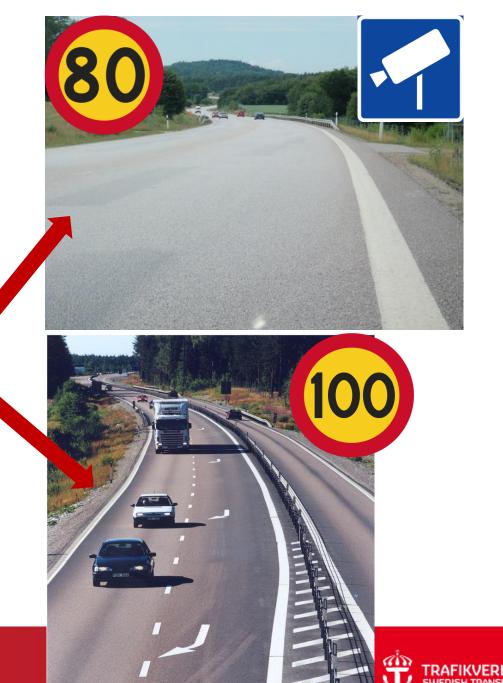




The posted speed limit is higher than the vision zero design speed

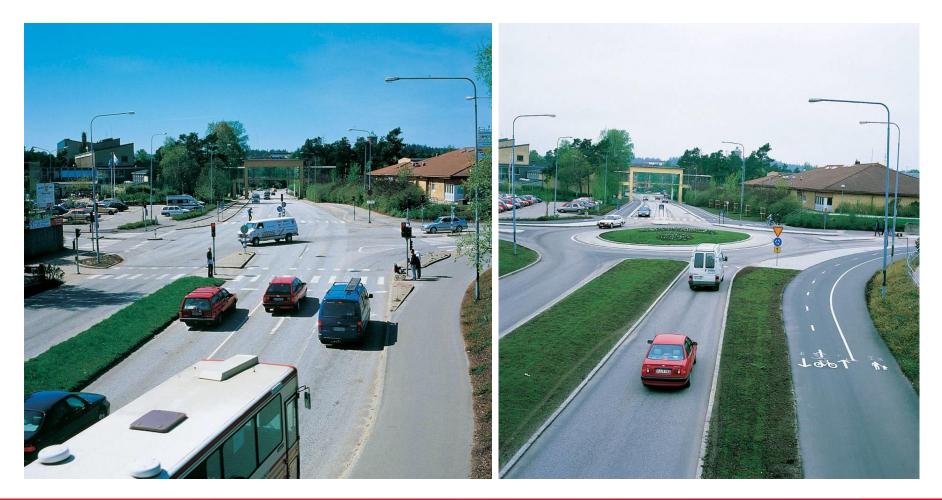






TRAFIKVERKET SWEDISH TRANSPORT ADMINISTRATION

Intersections to roundabouts







Fence and speedbump







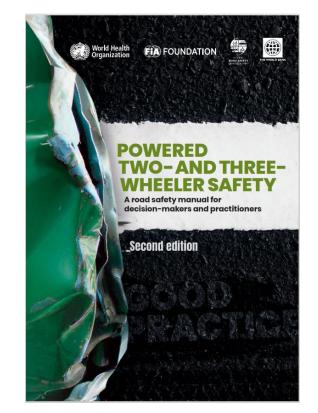
Riding in a safe system - safety for powered two-wheelers



Report:

http://vti.diva-portal.org/smash/get/diva2:1622556/FULLTEXT01.pdf

Powered two- and three-wheeler safety



Report:

Powered two-and three-wheeler safety: a road safety manual for decisionmakers and practitioners (who.int)





Safety for powered two- and three wheelers





VISION ACADEMY

Thank you for listening!

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