



WORLD BANK GROUP
Transport



Managing Traffic Speeds and Reaping Safety, Climate and Other Benefits

April 26th, 2021

Mobility and Development Webinar

1. MANAGING SPEED AND THE SAFE SYSTEM, LEADING TO SAFETY, CLIMATE AND BROADER OUTCOMES



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> GLOBAL IMPACT OF SPEED ON FSIS

650,000 PEOPLE ARE ESTIMATED TO DIE ANNUALLY DUE TO 'SPEEDING'

Speed a critical element of the **Safe System** approach to addressing road safety and global targets

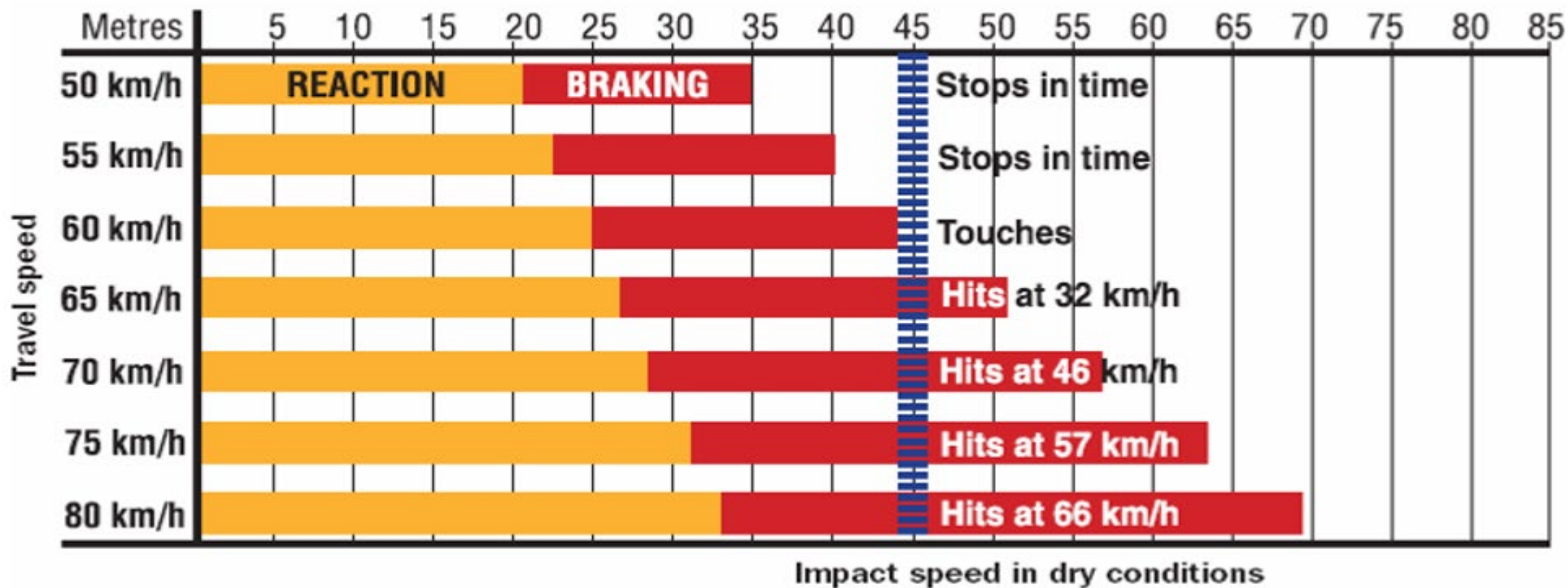
We have the tools in the toolbox

Reductions in speed can result in substantial improvement in fatal and serious injury (**60%+**)

Global Road Safety Performance Targets



> SPEED AND CRASH RISK-1



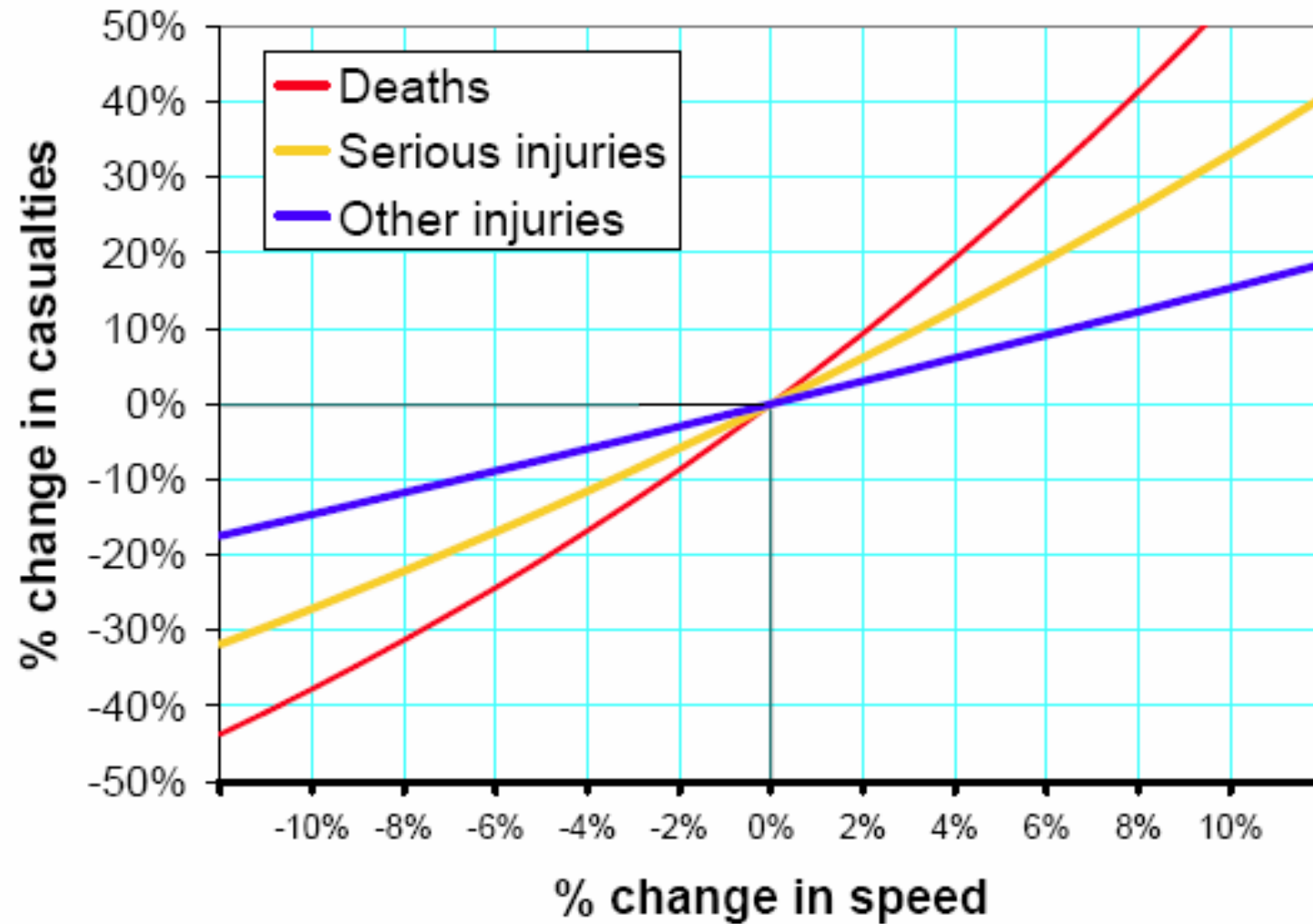
> SPEED AND CRASH RISK-2

Tunnel vision:



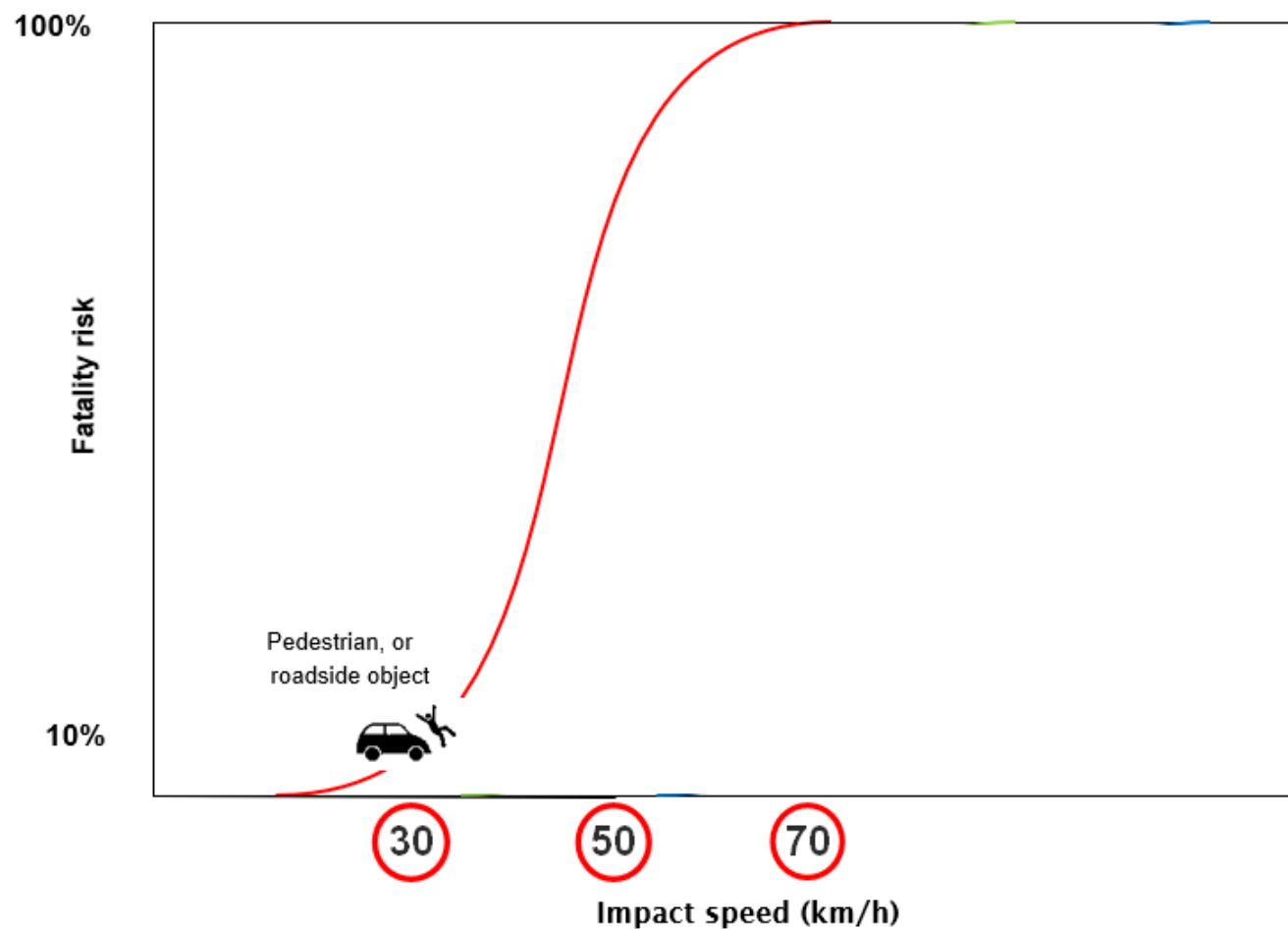
- As speed increases, peripheral vision decreases
- Less likely to notice and react to risks (e.g. side road traffic)

> SPEED AND CRASH RISK-3

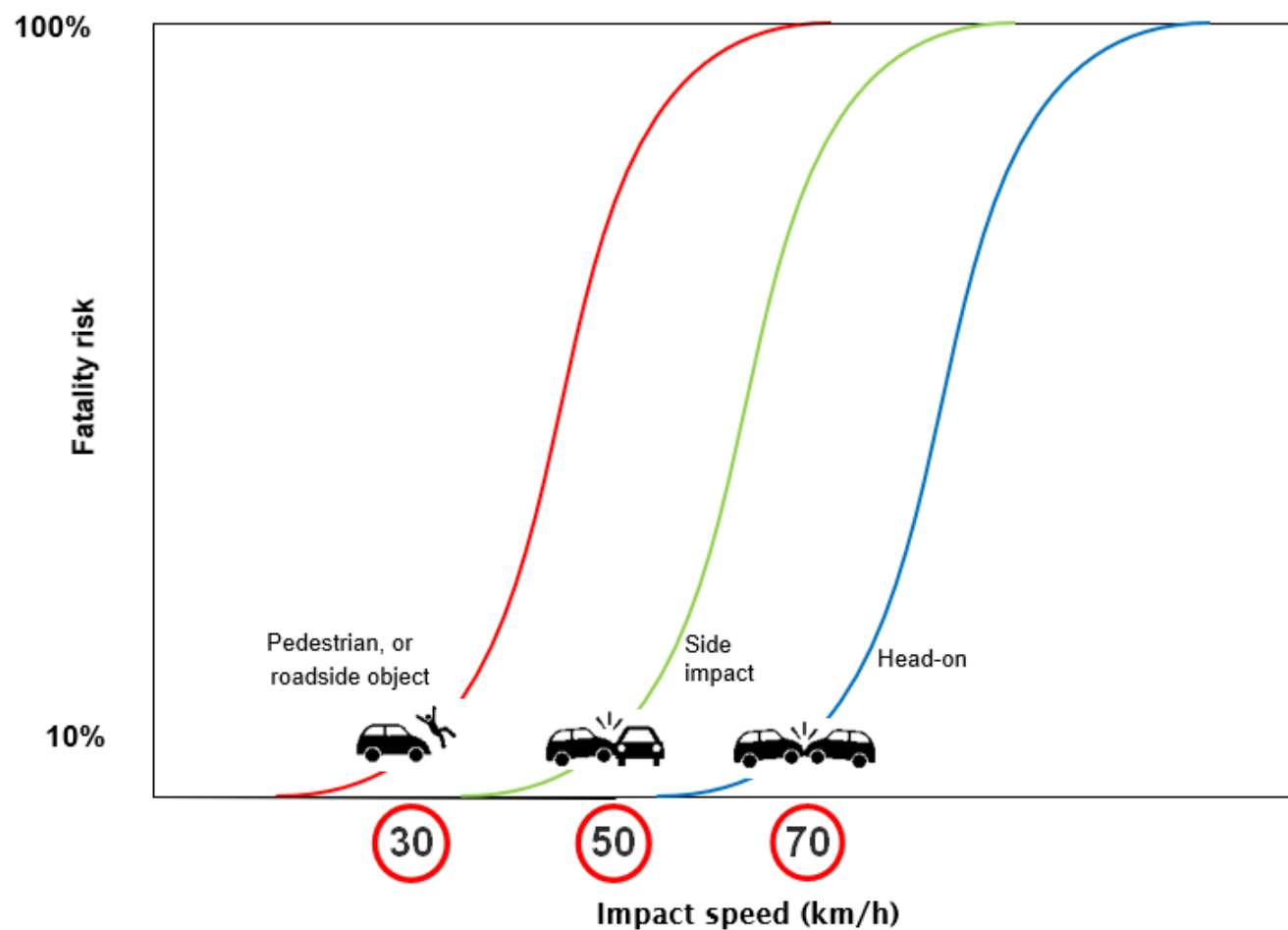


(Source: Nilsson, 2004 & Many other studies)

> SPEED AND CRASH RISK #4



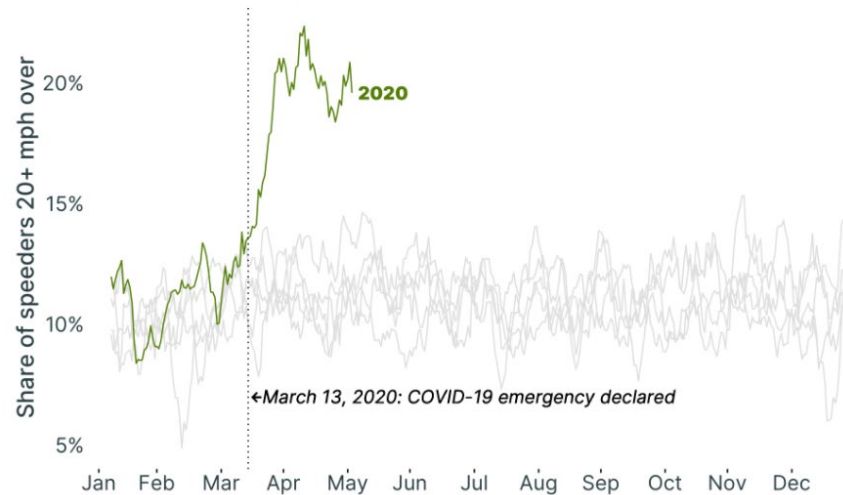
> SPEED AND CRASH RISK #4



> COVID-19 AND SAFETY OUTCOMES

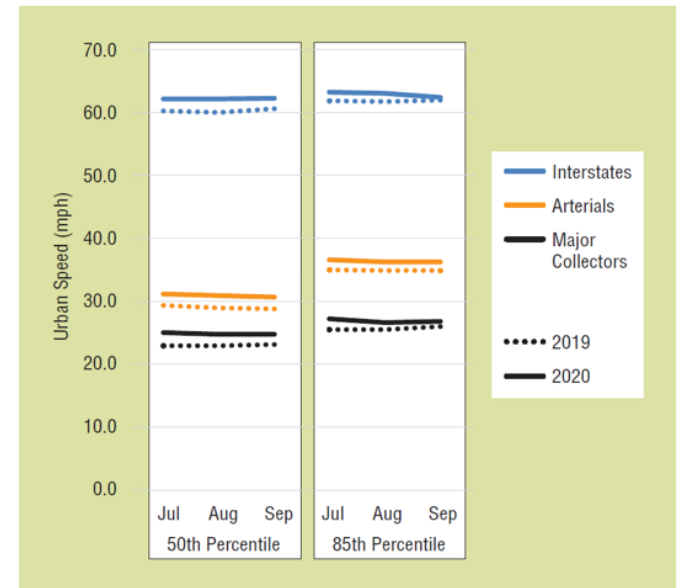
- **Greatly reduced traffic, but much smaller decreases in deaths in most countries; some countries even had increases**
 - Australia – 20% - 30% reduction in traffic; much smaller decrease in deaths and an increase in cyclist deaths (+30%) – fatality rate increase
 - US – increase in fatalities in 2020; fatality rates – up by around 20%; increase in speed of 20% - especially in urban areas
 - 15% in serious speeding offences – UK and France
- **Movement to active modes**

Average of prior 7 days of Minnesota State Patrol speeding tickets. Each line is a different year of data, 2015-2020.



Source: Minnesota State Patrol. Graph by David H. Montgomery | MPR News

MPRnews

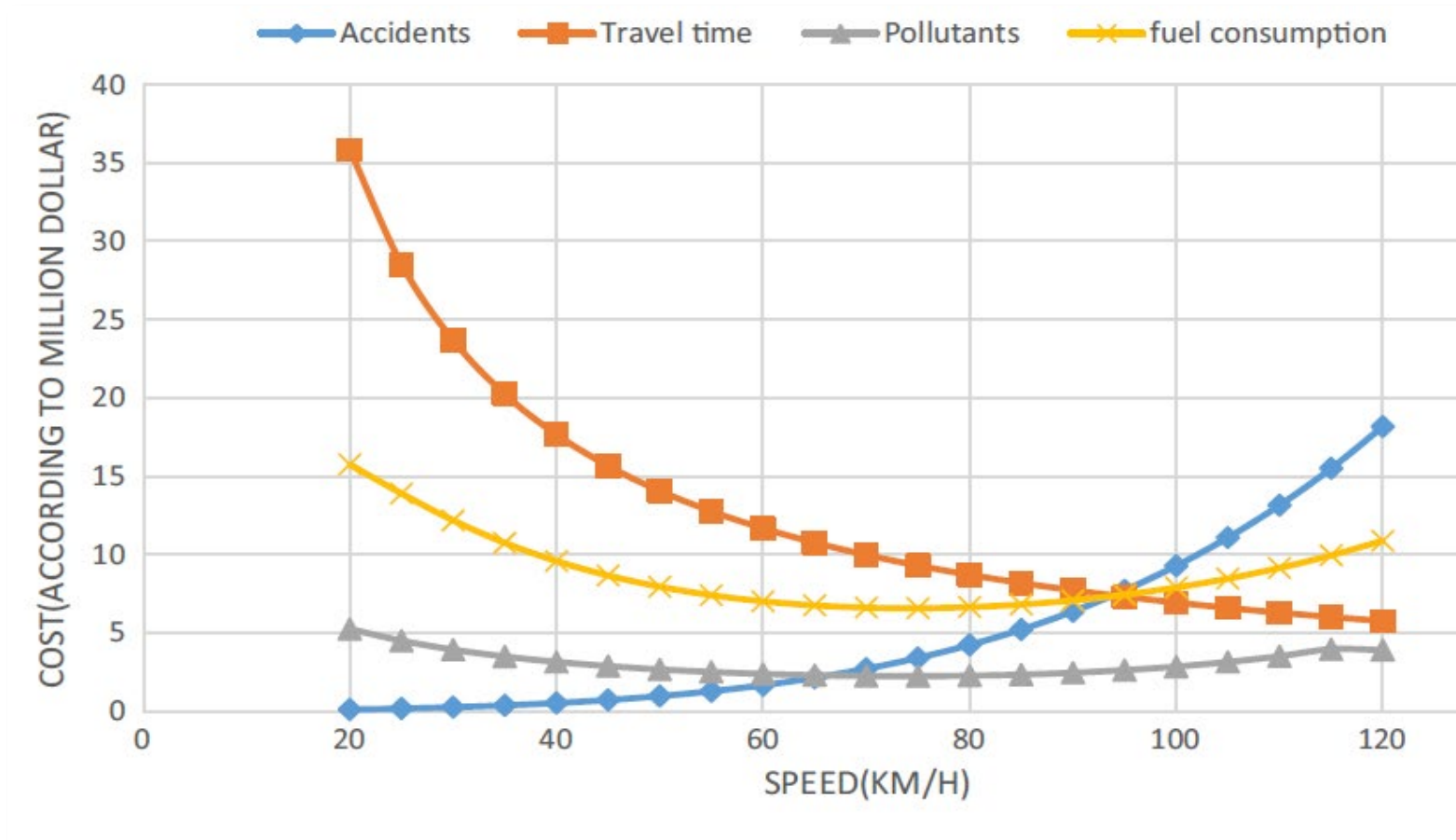


Source: NPMRDS

> CO-BENEFITS FROM REDUCING SPEED

Speed has large impacts on multiple components of travel cost

(Economically ideal speeds are well below typical speed limits; example: in Iran, economically ideal motorway speed = 73km/h)



> GLOBAL ROAD SAFETY WEEK

Join the #Love30 campaign to call for 30 km/h speed limits to be the norm for cities, towns and villages worldwide.

17 – 23RD MAY 2021

Streets for Life
#Love30



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[http://](http://roadsafetyfacility.org)

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