

STATE OF PLAY: ROAD SAFETY IN THE EST COUNTRIES

Insights from ATO: Transport Observatory in the Asia – Pacific region

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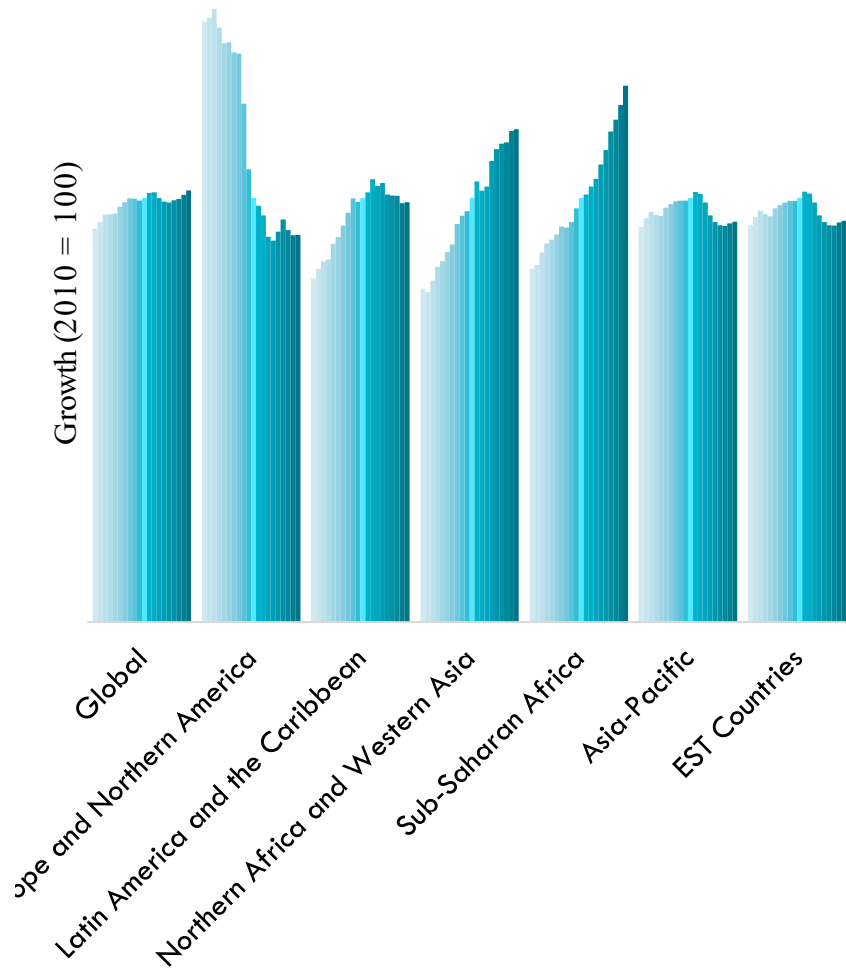
Presentation at the High-Level 15th Regional Environmentally Sustainable Transport (EST) Forum in Asia, Malaysia for Aichi 2030 Declaration - Goal 2 Road safety

26 Oct. 2023

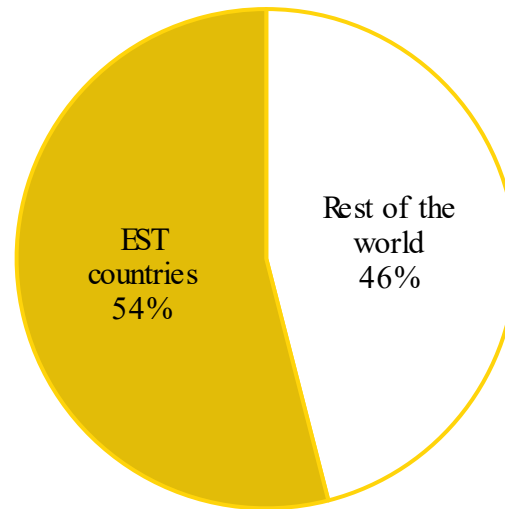


Road crash fatalities

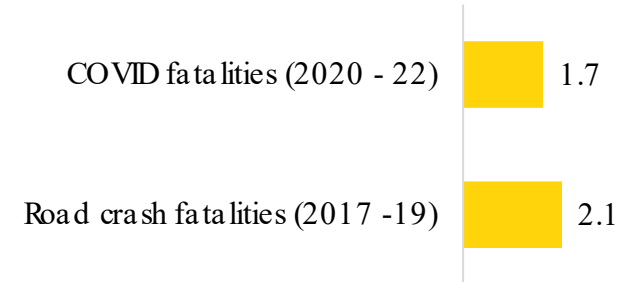
Road crash fatalities (2000 - 2019)



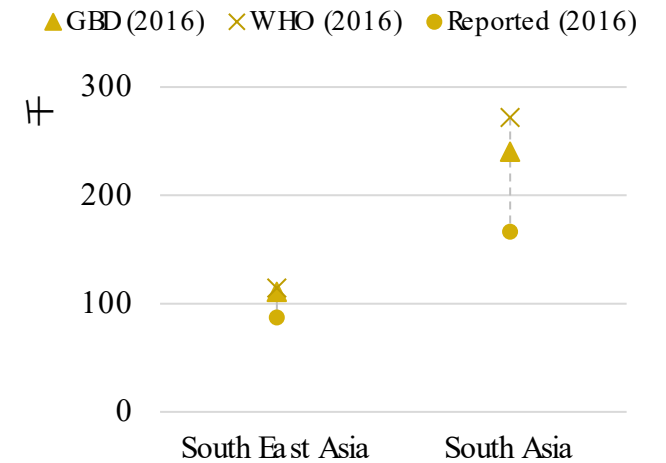
Road crash fatalities (2019)



Fatalities (in mln.)

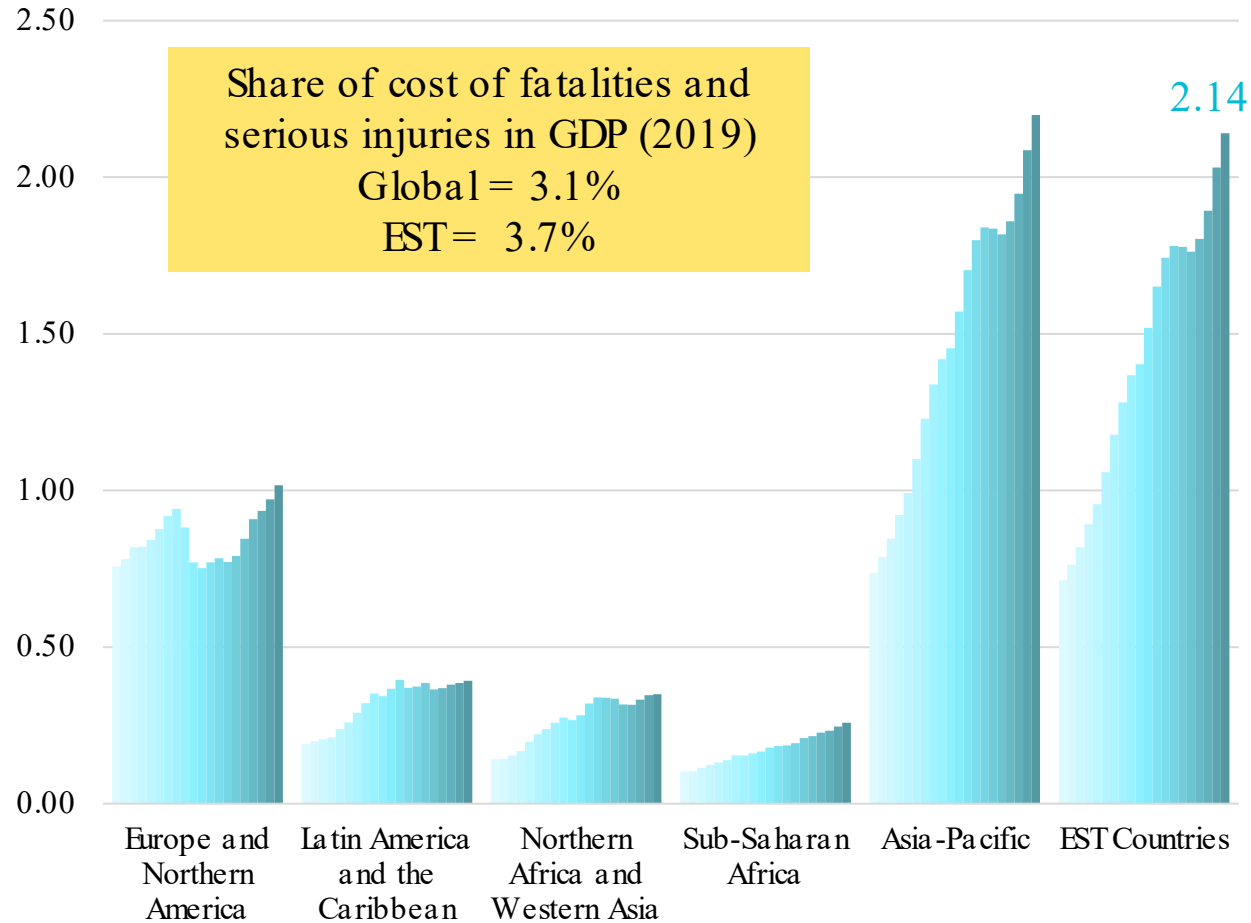


Road Traffic Crash Fatalities Data Variation

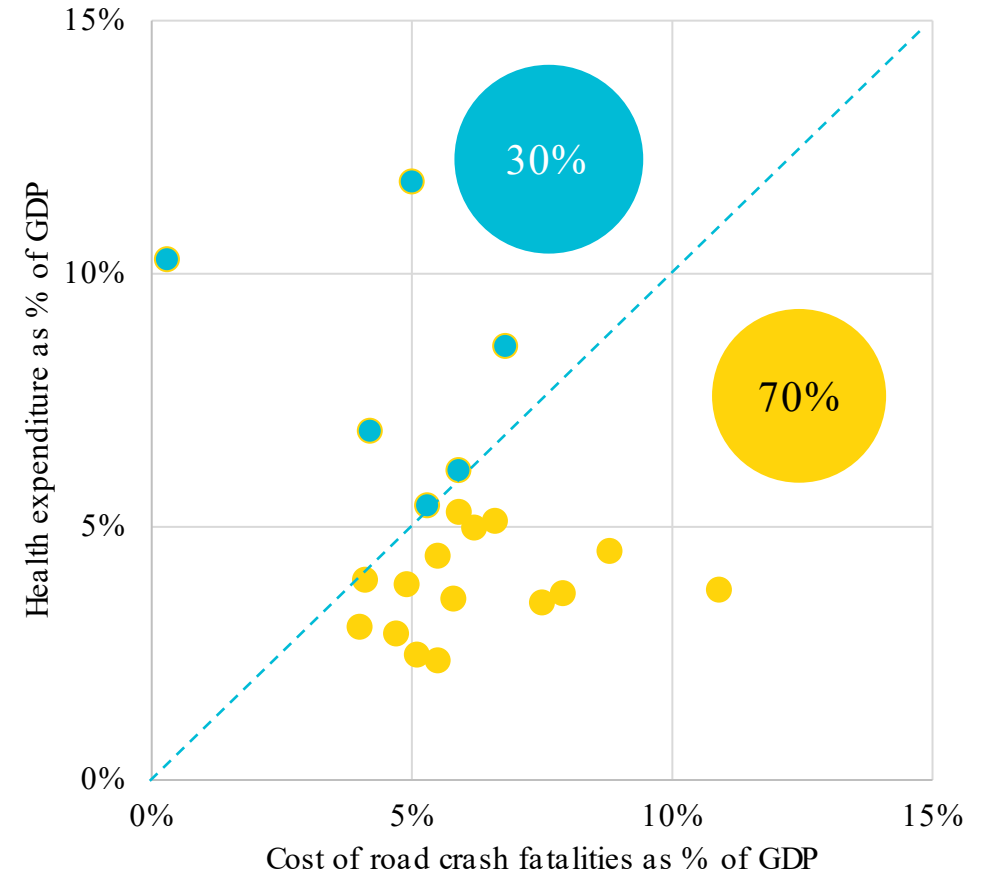


Cost of road crash fatalities and serious injuries

Cost of road crash fatalities and serious injuries (2000 - 2019)
(trillion USD)

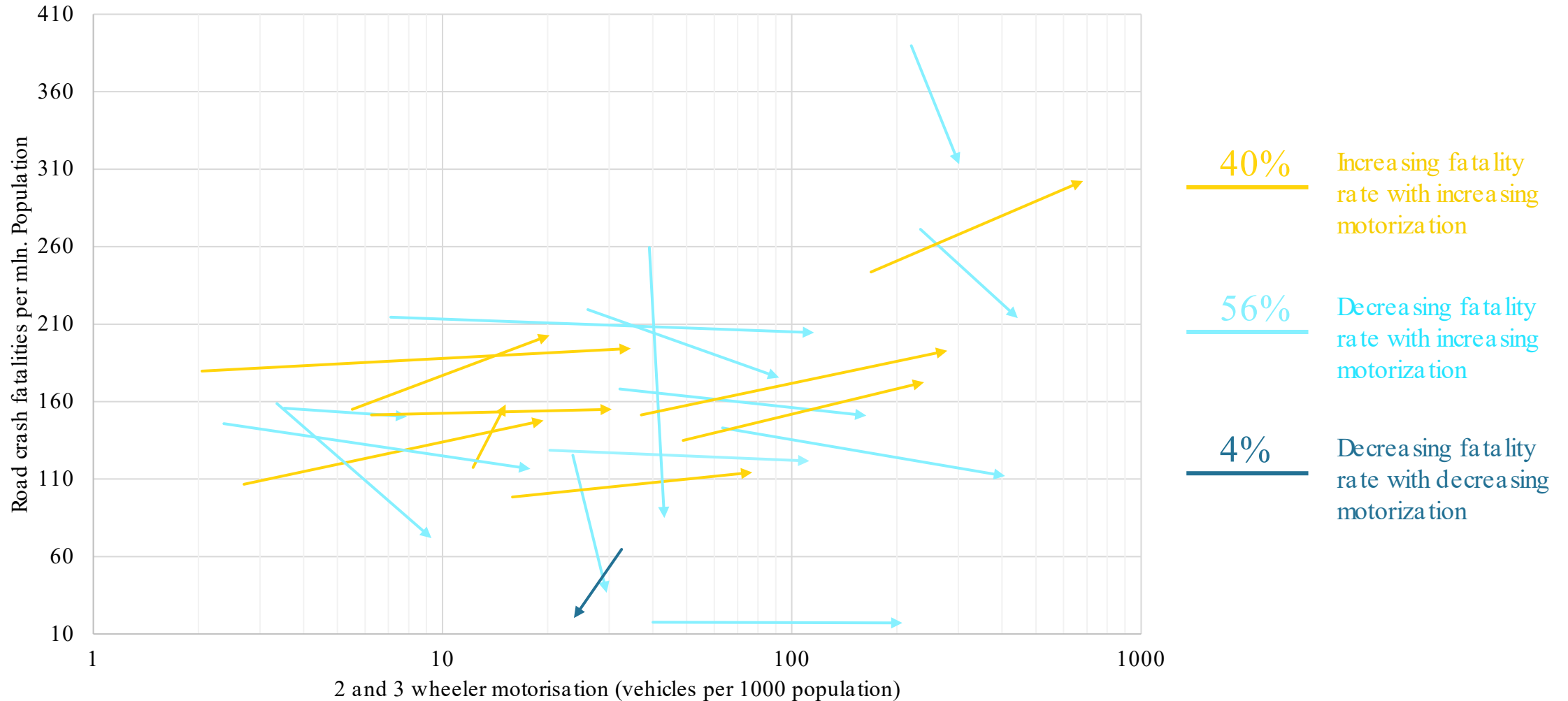


Cost of road crash fatalities vs. Health expenditures



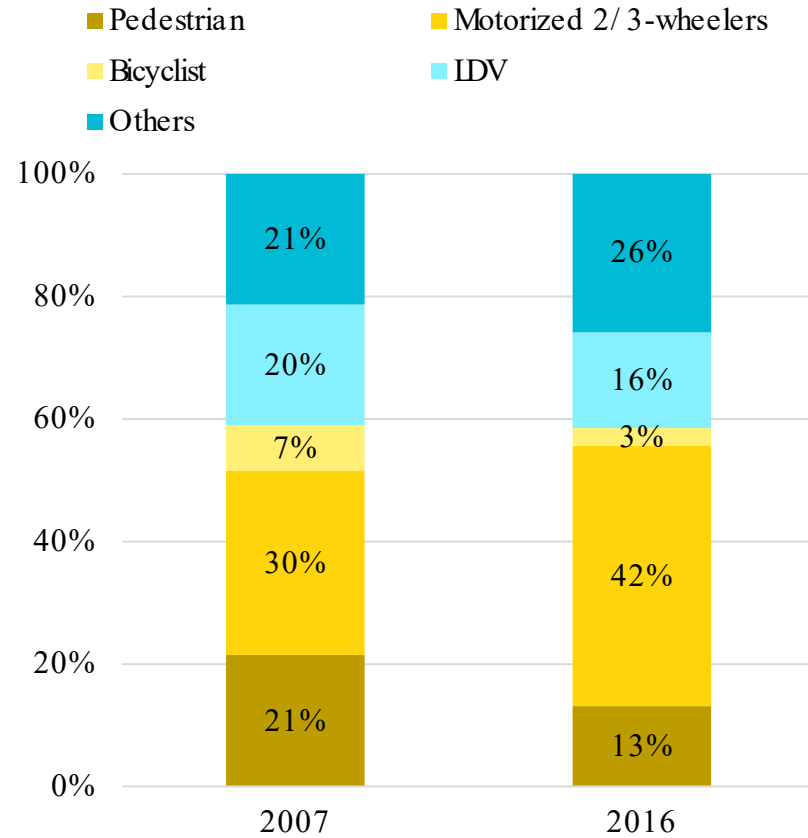
Road crash fatality rates vs. Vehicle motorization

Vehicle motorisation vs. Road crash fatalities (2000 - 2020)

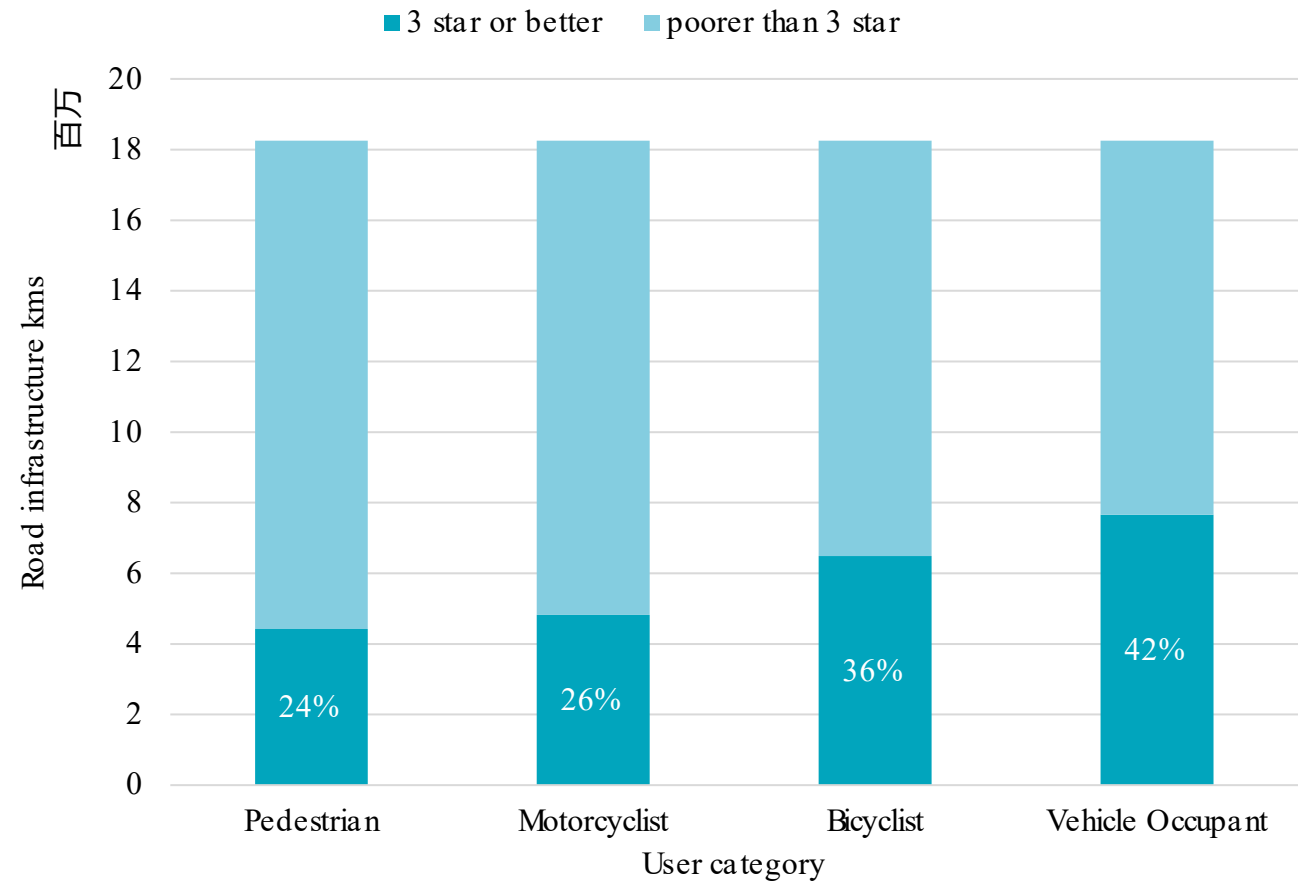


IRAP Star rating for Road infrastructure

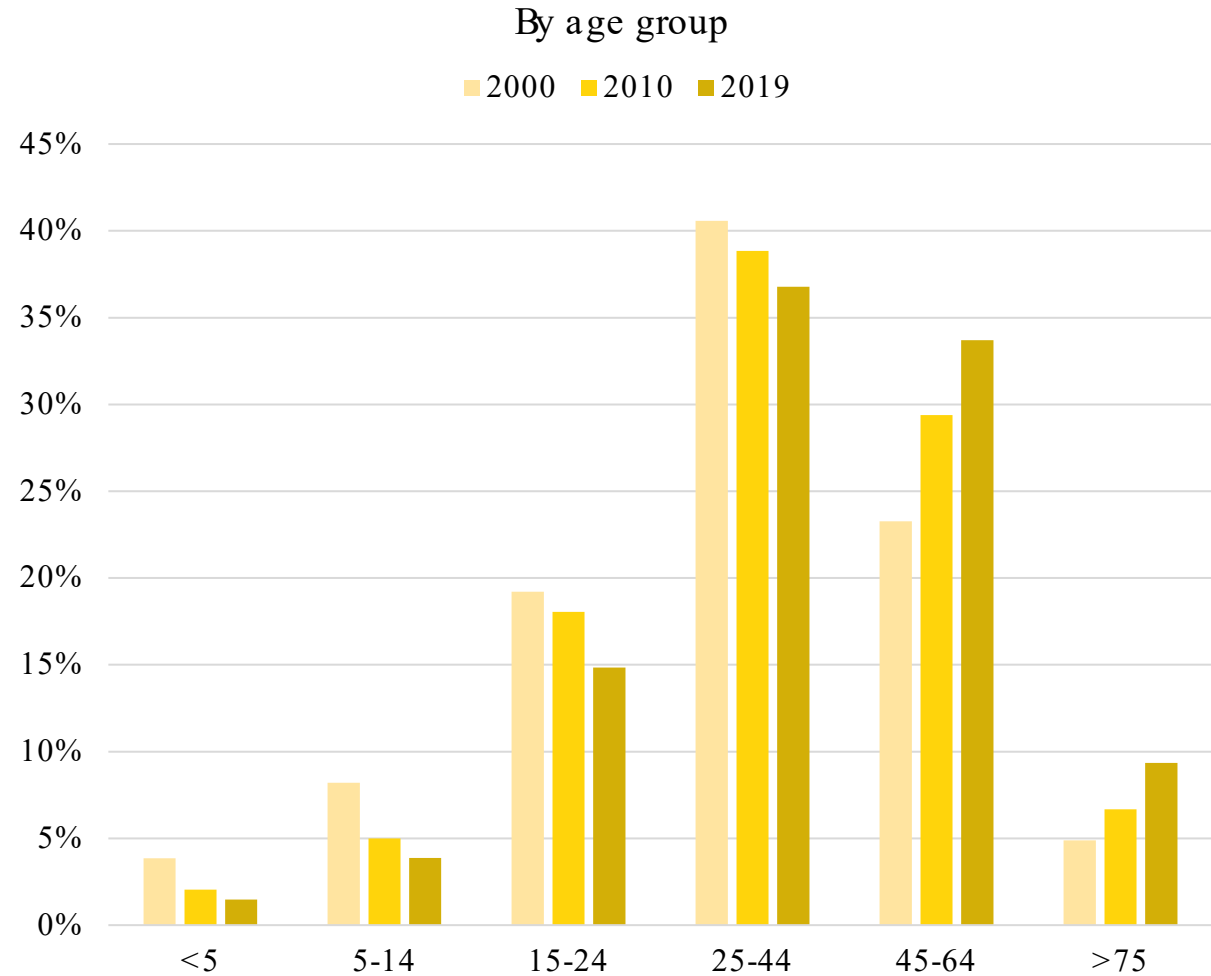
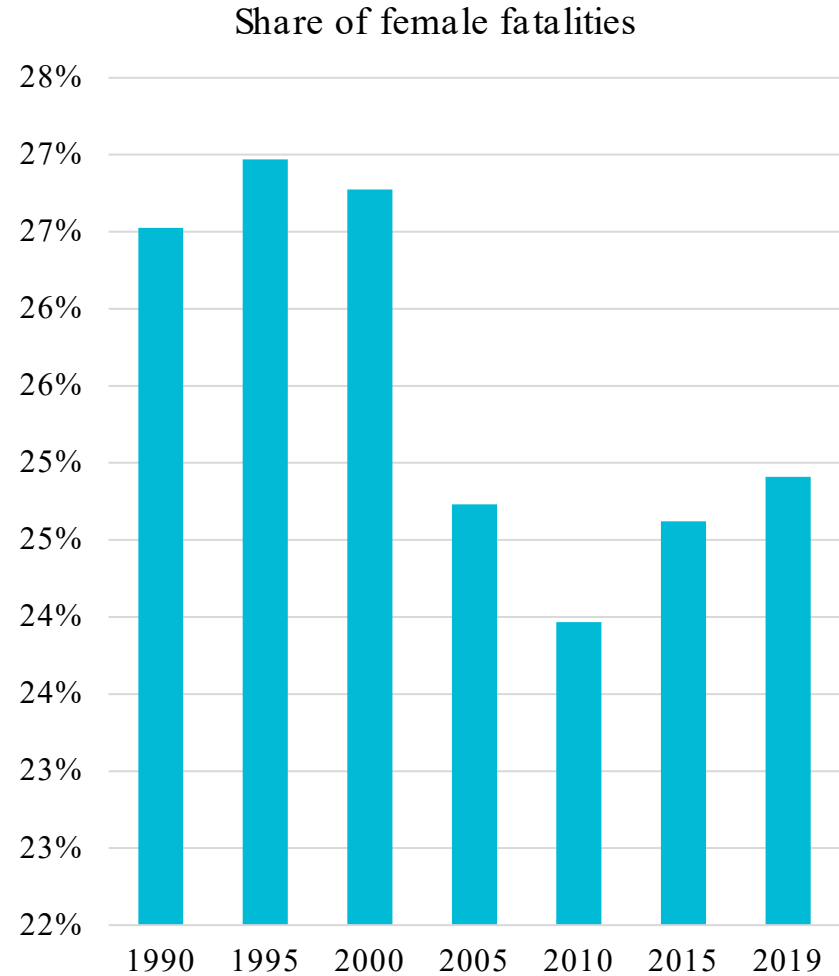
Share of road crashes by road user



Share of road infrastructure by IRAP star rating (2021)



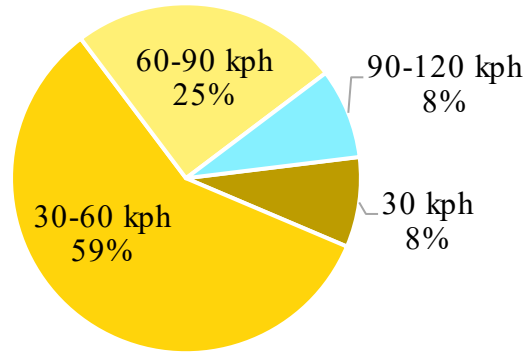
Share of fatalities by gender and age group



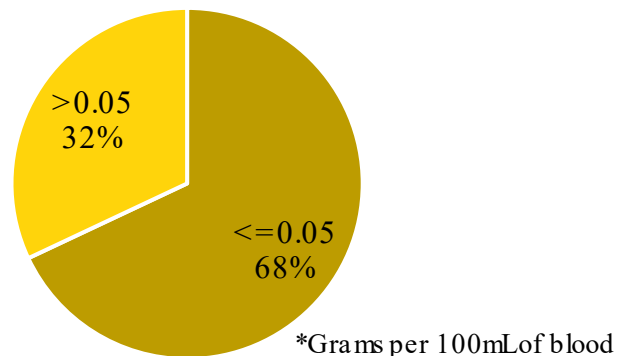
Standards, Legislations and Policies related to Road Safety

Road safety Standards and Legislation

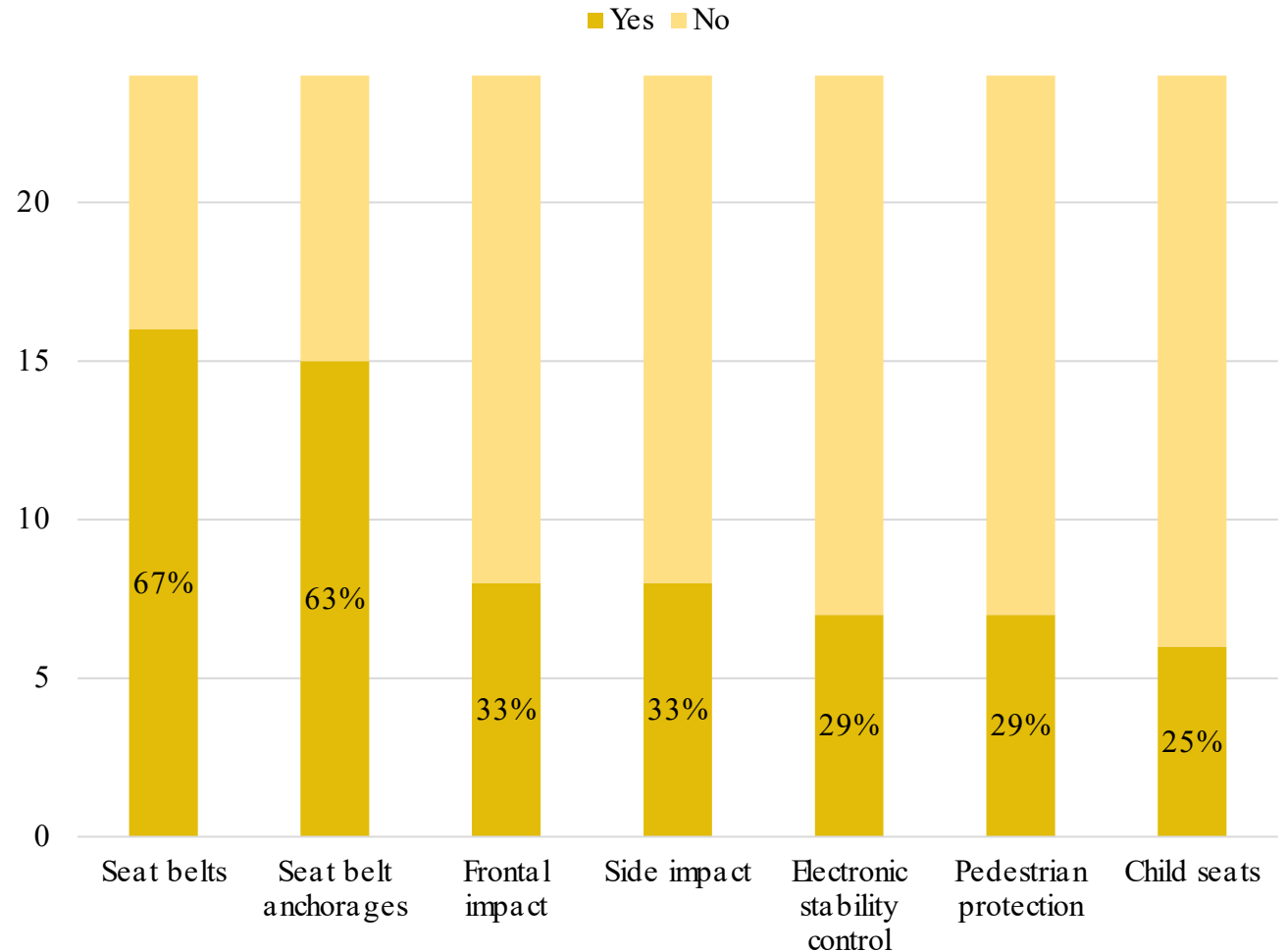
Share of EST countries with urban speed limits



Share of countries with BAC limits for general population

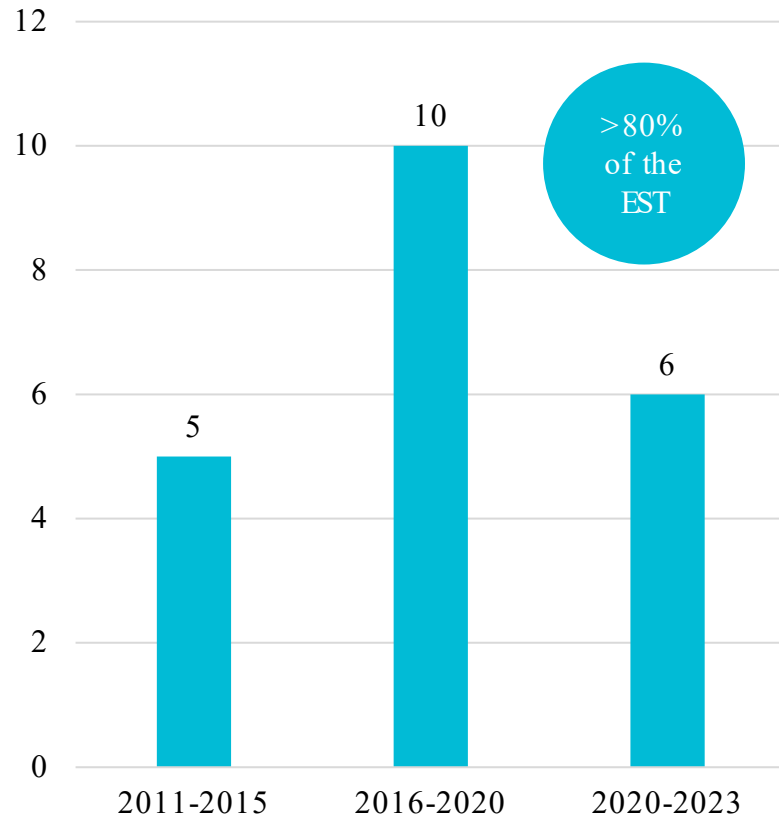


Status of road safety related standards in the EST economies

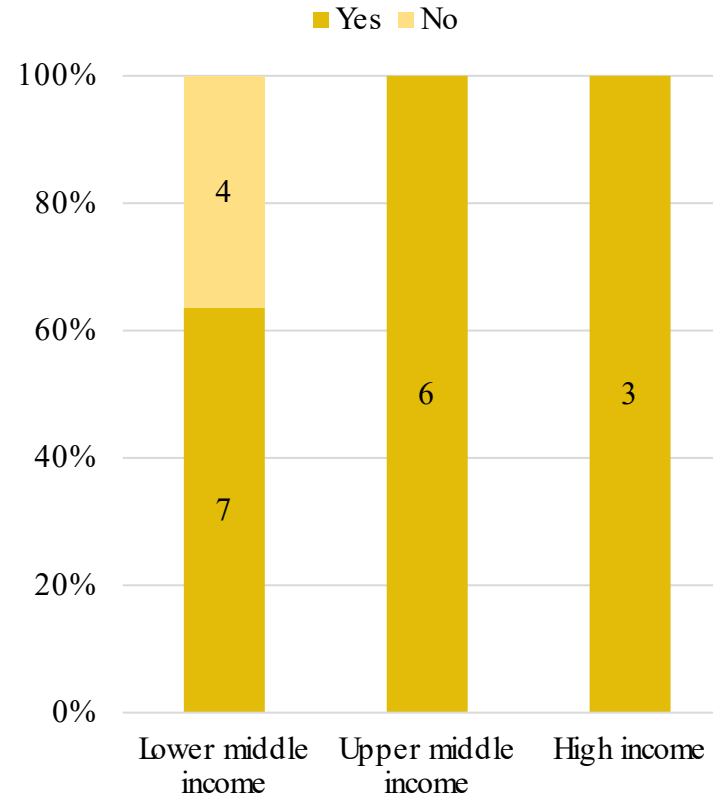


Road safety strategies

Latest road safety strategies



Is safe systems approach applied in road safety strategies?

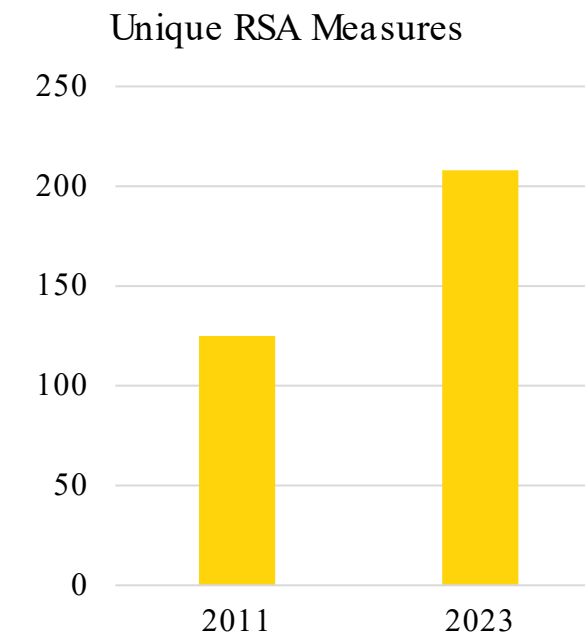


There is a shared responsibility between system designers and road users, for safe travel outcomes on the road network.

80% of the EST countries that have a strategy apply Safe Systems Approach

Road safety policy documents and measures

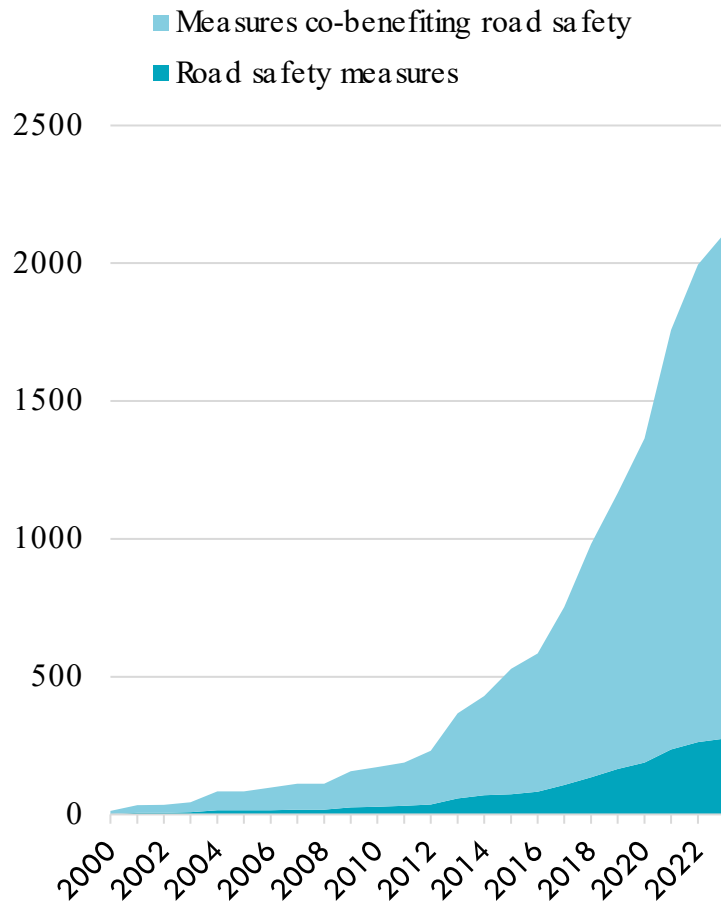
Country	Document Name	Year Published	Document Type
Bangladesh	National Road Safety Strategic Action Plan	2014	Transport Subsector Policy
La o People's Democratic Republic	2021-2030 National Road Safety Strategy and 2021-2025 Action Plan	2021	Transport Subsector Policy
Malaysia	Malaysian Institute of Road Safety Research Act 2012	2012	Transport Laws/ Regulations
Malaysia	Malaysia Road Safety Plan 2022-2030	2022	Transport Subsector Policy
Maldives	National road safety action plan 2019 –2023	2019	Transport Subsector Policy
Nepal	Nepal Road Safety Action Plan (2021-2030)	2022	Transport Subsector Policy
Pakistan	National Road Safety Strategy 2018-2030	2018	Transport Subsector Policy
Philippines	Philippine Road Safety Action Plan 2023-2028	2023	Transport Subsector Policy
Thailand	Thailand Road Safety Master Plan 2022-2027	2022	Transport Subsector Policy
Viet Nam	Circular 29/ 2011/ TT-BGTVT amending the Regulations on inspection of quality, technical safety and environmental protection for imported motorcycles and mopeds and imported engines used for the production and assembly of motorcycles and mopeds...	2011	Transport Laws/ Regulations
Viet Nam	National Child Helmet Action Plan	2019	Transport Laws/ Regulations
Viet Nam	Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2020	Transport Subsector Policy
Viet Nam	Circular 05/ 2020/ TT-BGTVT amending Circular 03/ 2018/ TT-BGTVT stipulating quality inspection of technical safety and environmental protection for imported cars (and motorcycles) subject to Decree 116/ 2017/ ND-CP issued by the Minister of Transport	2020	Transport Laws/ Regulations



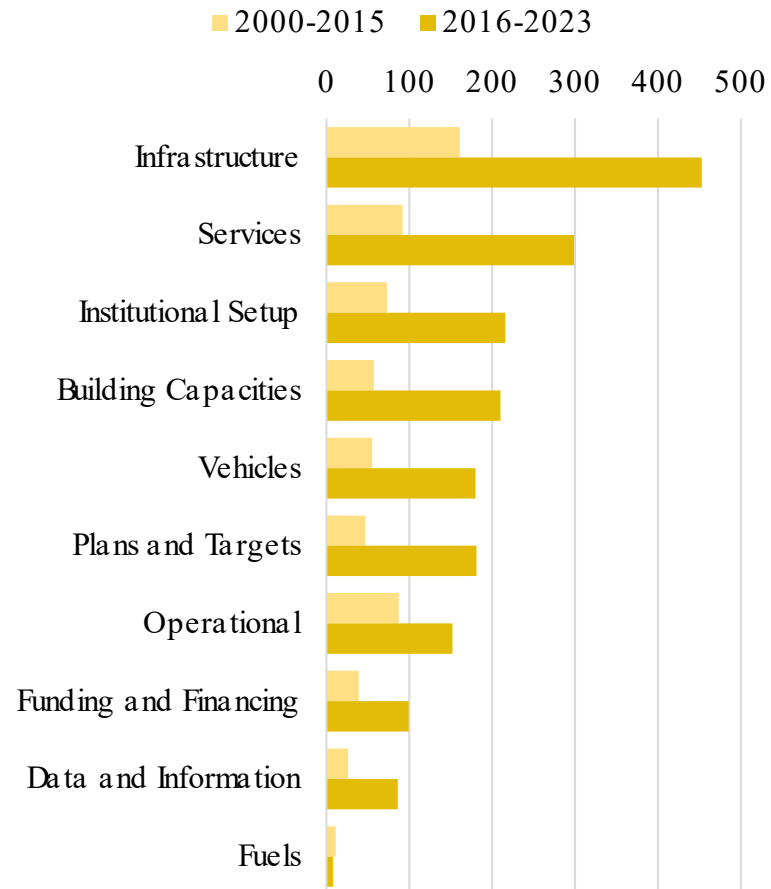
208 unique policy measures related to Road Safety from **221** Policy documents (Road Safety + cross cutting) for **13** EST countries as of 2023 in the ATO Policy Tracker

Road safety related policy measures

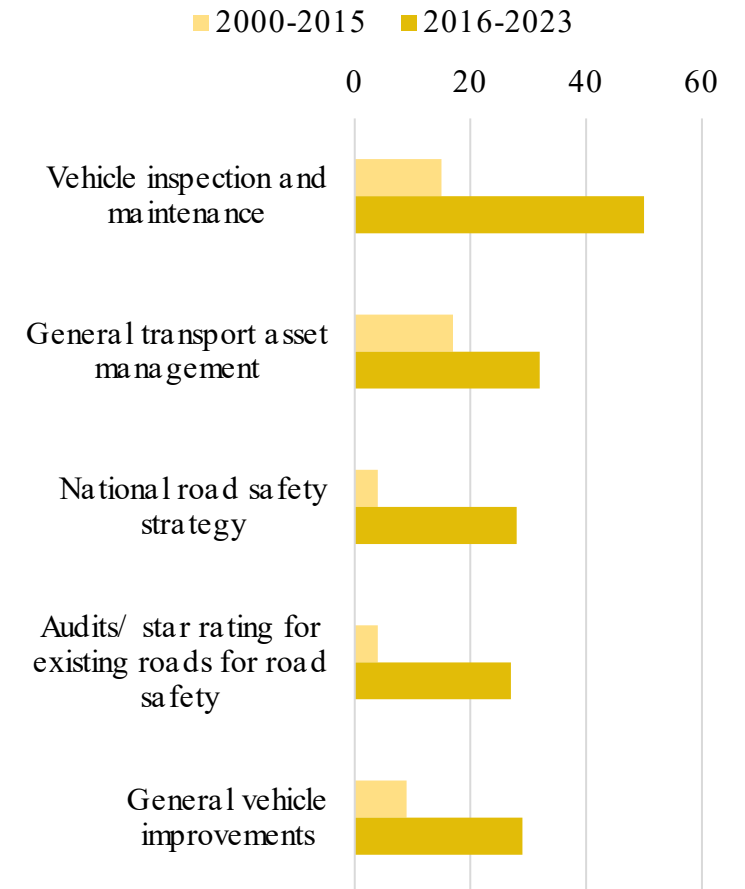
Road Safety co-benefit measures



Top 10 typology of measures



Top 5 unique measure heads



Road safety related policy measures

Policies + Data - Countries with more comprehensive policy measures show better improvements

Accreditation

Pakistan

By 2030 Pakistan has a cadre of internationally accredited Road Safety Auditors.

[National Road Safety Strategy 2018-2030]

Audit

Philippines

Maintain at least three (3) safety star ratings in more than 50% of roads nationwide

[Philippine Road Safety Action Plan 2023-2028]

Quality assurance

Bhutan

Various Quality Assurance measures shall be developed and continuously reviewed

[Road Sector Master Plan (2007-2027)]

BAC limit, drug use

Viet Nam

Regularly and continuously implement campaigns to patrol, control and handle violations of alcohol concentration and drug use.

[National Strategy for ensuring road traffic order and safety]

Automated enforcement

Thailand

Install a speed detection camera that detects motorcycle license plates.

[Thailand Road Safety Master Plan 2022-2027]

Funding mechanism

Nepal

Sustainable funding mechanisms will be established by law for carrying out road safety activities.

[Nepal Road Safety Action Plan (2021-2030)]

Funding mechanism

Sri Lanka

2020 onwards, 5% of transport investment allocation for safety improvement

[Sustainable Sri Lanka 2030 Vision and Strategic Path]

Database

Sri Lanka

Maintain a database for accident black spots, injury types and costs of damages.

[National transport Policy of Sri Lanka]

Education

Bangladesh

A special programme of children's road safety will be launched in schools as part of the implementation of road safety policy.

[National Land Transport Policy]

Seatbelt anchorage standards

Thailand

Safety-belt anchorages R14

[Thailand's Electric Vehicle policies]

Vehicle scrappage

Malaysia

Develop and enforce regulations for vehicles' end of life (commercial & private vehicle)

[National Transport Policy 2019-2030]

Behavioural change

Sri Lanka

Encourage vehicle insurance companies to introduce vehicle insurance policy that entails insurance premium based on driving behaviors to control road accidents.

[Public Investment Program 2021]

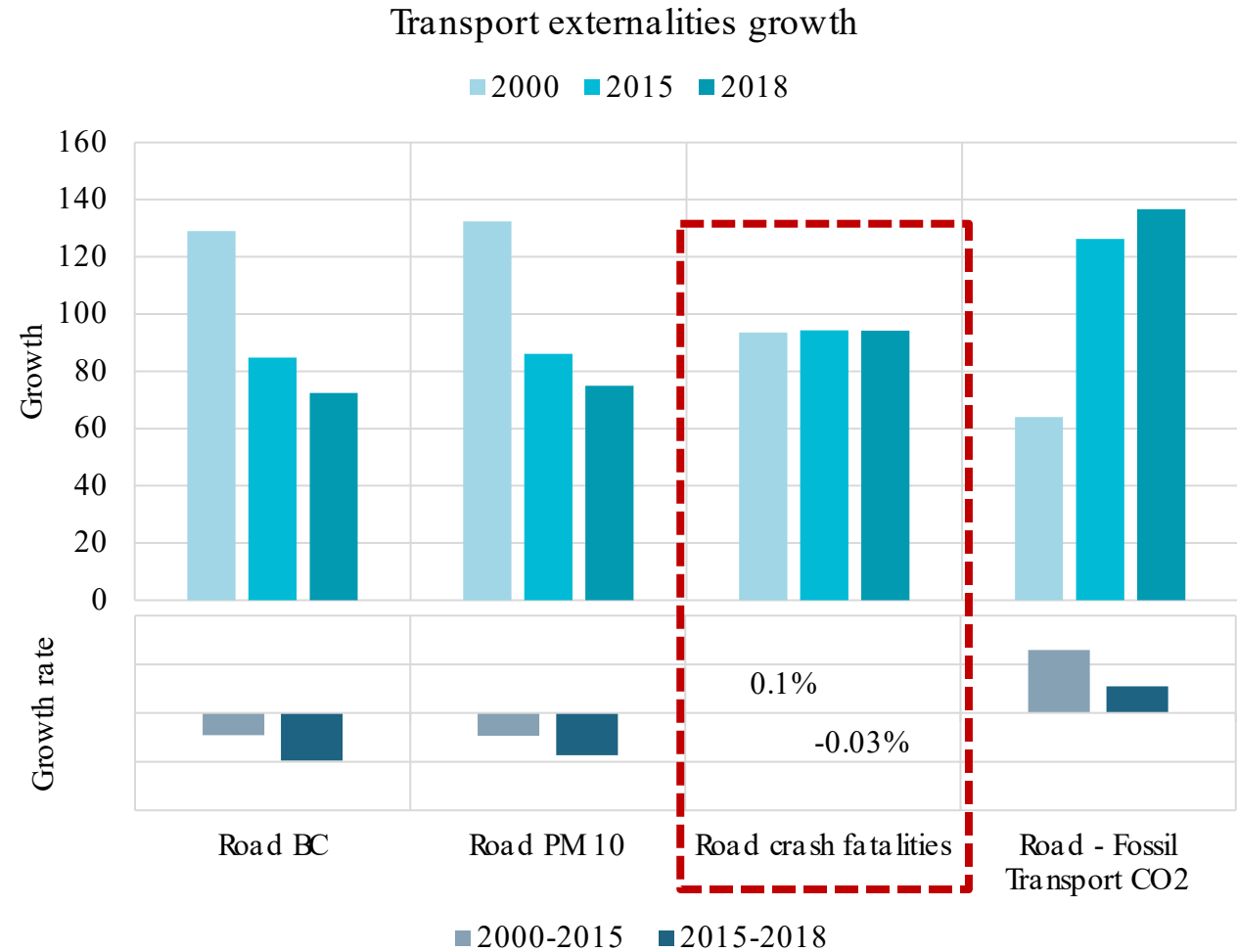
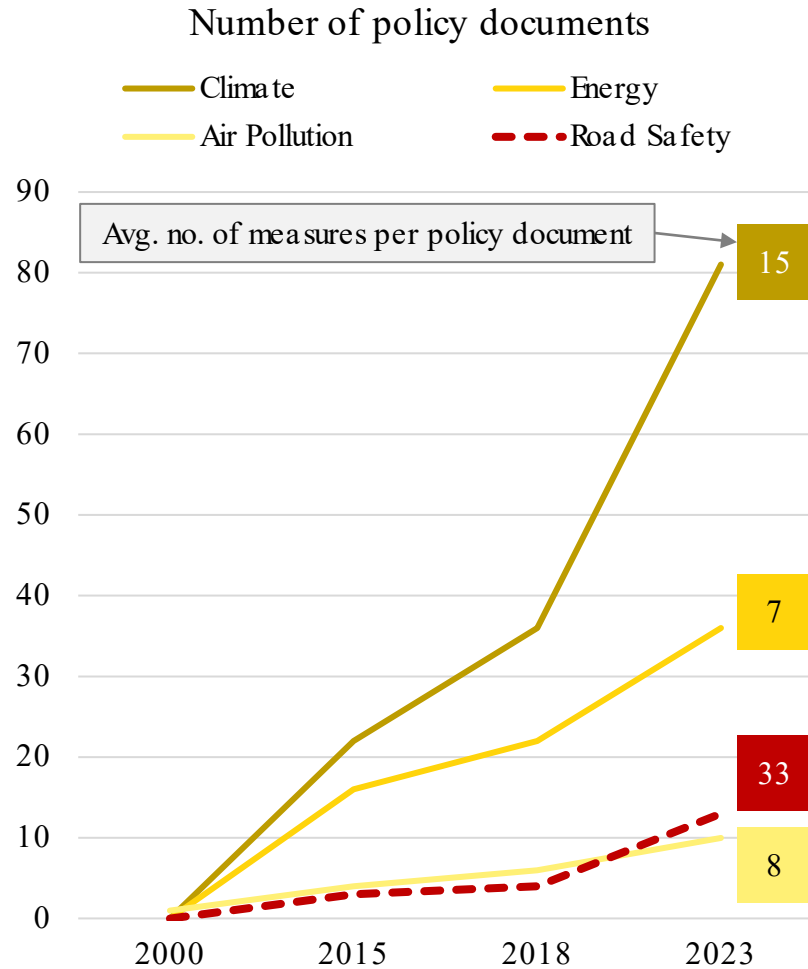
Road safety targets in Countries and Cities

Country	Road Safety Target
Brunei Darussalam	Zero road accident fatalities by 2025
India	50% reduction of road crash fatalities by 2024
Philippines	80% reduction of road crash fatalities by 2028
Republic of Korea	50% reduction of road crash fatalities by 2027
Thailand	62.5% reduction of road crash fatalities by 2027
Russian Federation	Zero road traffic fatalities by 2030
People's Republic of China	Annual reduction of 3%
Japan	Reduce fatalities to 2000 by 2027
Malaysia	50% reduction of road crash fatalities by 2030
Myanmar	50% reduction of road crash fatalities by 2030
Nepal	50% reduction of road crash fatalities by 2030
Pakistan	Save 6000 lives by 2030
Viet Nam	Annually reduce 5 - 10% of road traffic deaths and injuries up to 2030

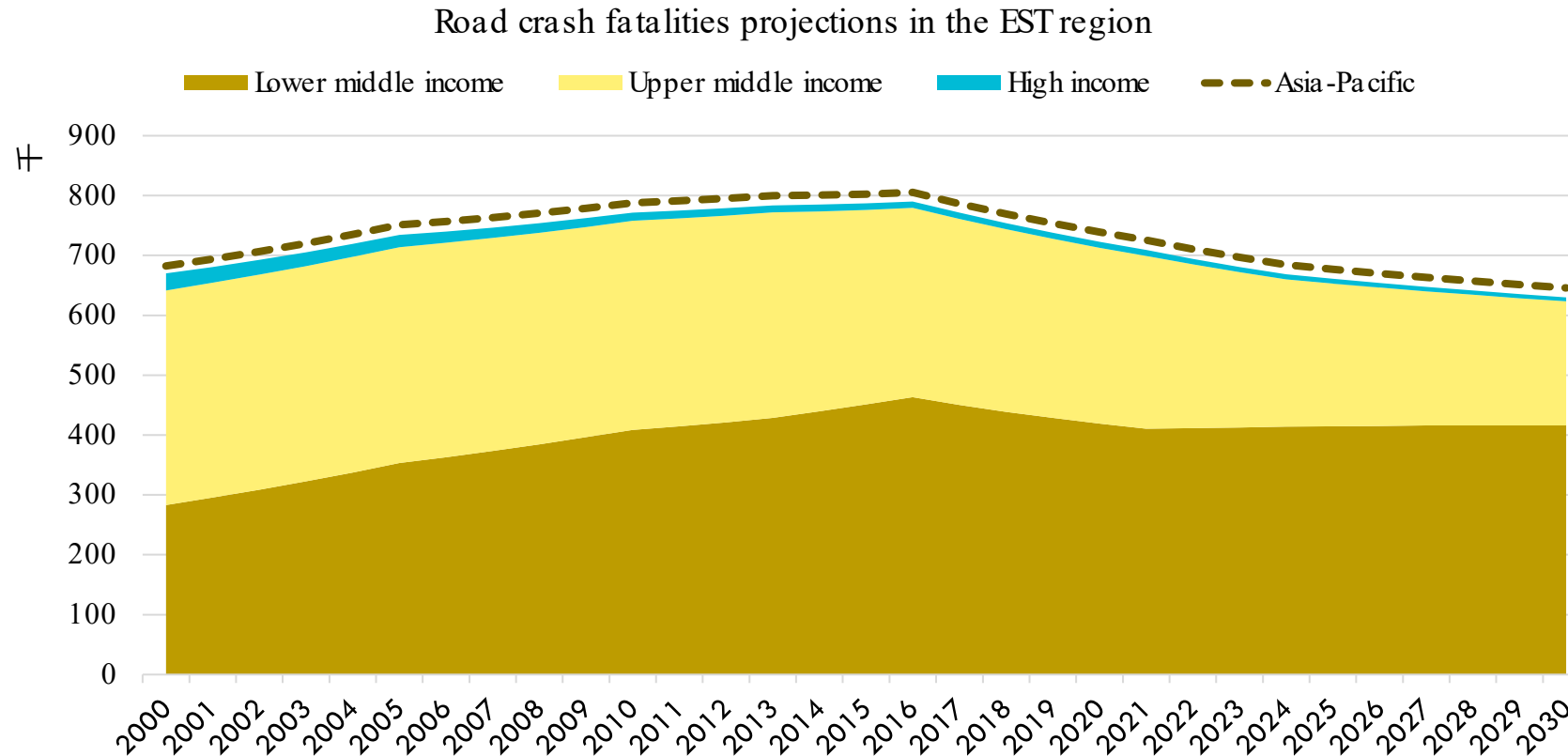
City	Road Safety Target
Beijing	9% reduction in road crash fatalities by 2025
Shenzhen	Number of deaths reduced to 0.75 persons/ 10,000 vehicles by 2025
Delhi	80% reduction in road crash fatalities by 2025
Delhi	12% reduction in road crash fatalities by 2030
Jakarta	Number of fatalities reduced to 433 (-80%) by 2035
Ulaanbaatar	50% reduction in fatalities by 2030
Seoul	Number of deaths reduced to 100 person/ year by 2030
Bangkok	Number of deaths reduced to 143 by 2032

Summary

Policy improvement – differing lagging effect



Road crash fatalities outlook (Reference scenario)



Aichi 2030 Declaration - Goal 2 Road safety:

By 2030, halve the number of deaths and injuries from road traffic accidents in Asia compared to 2020, with specific attention to vulnerable road users.

(Based on SDG 3.6 and second UN Decade of Action on Road Safety 2021-2030, Stockholm Declaration on Road Safety).

“ATO translates data into insights,
policies, and investments”

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