



ROAD SAFETY IN ASIA

Translating data into knowledge with Asian Transport Outlook

Mel Eden

5 Dec. 2023



Road Safety Profiles

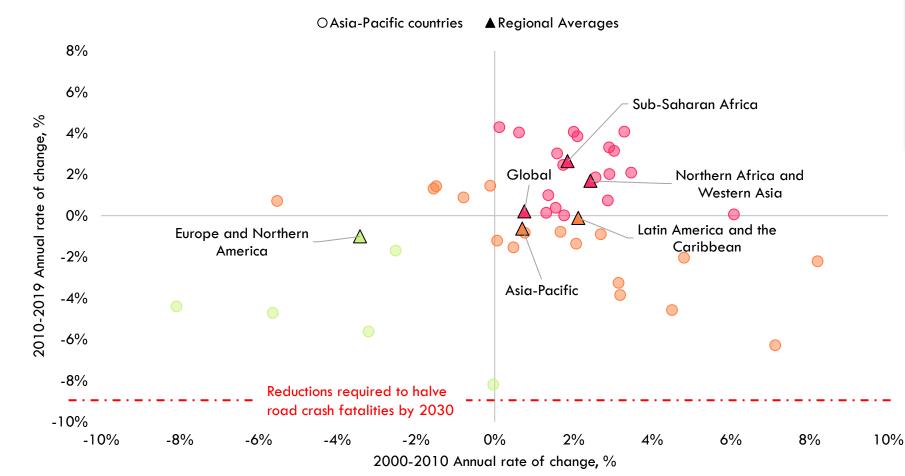
Bangladesh Road Safety Profile

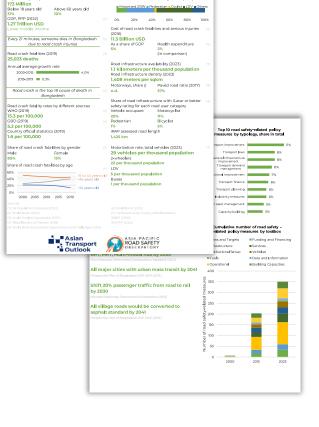
Share of road crash fatalities by mode (2013

pulation (2023)

WE ARE OFF-TRACK

Road crash fatality annual change in 2000-2010 vs 2010-2019

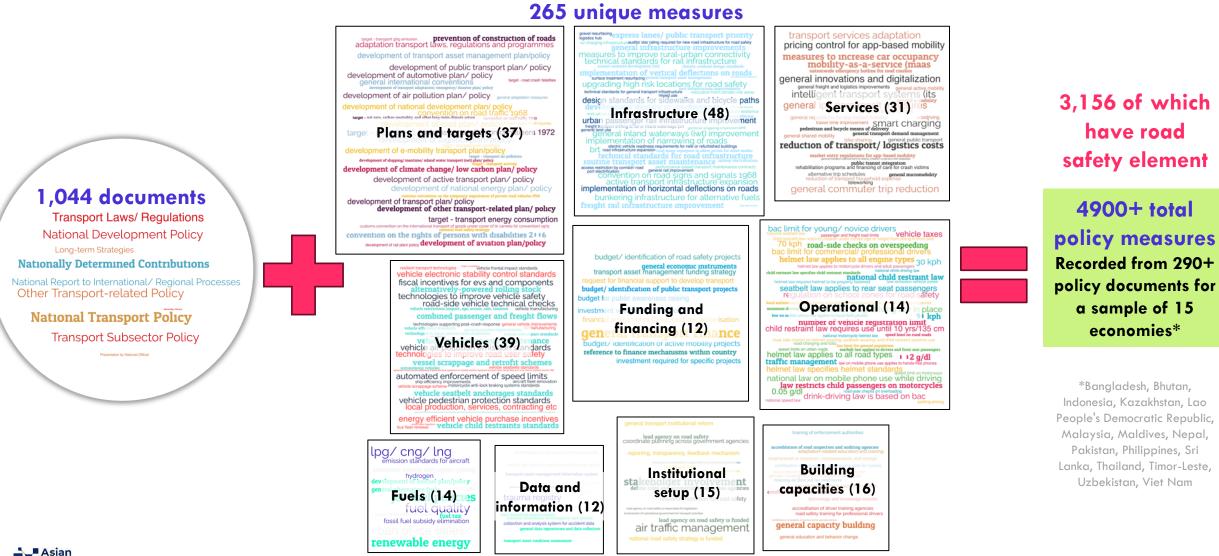




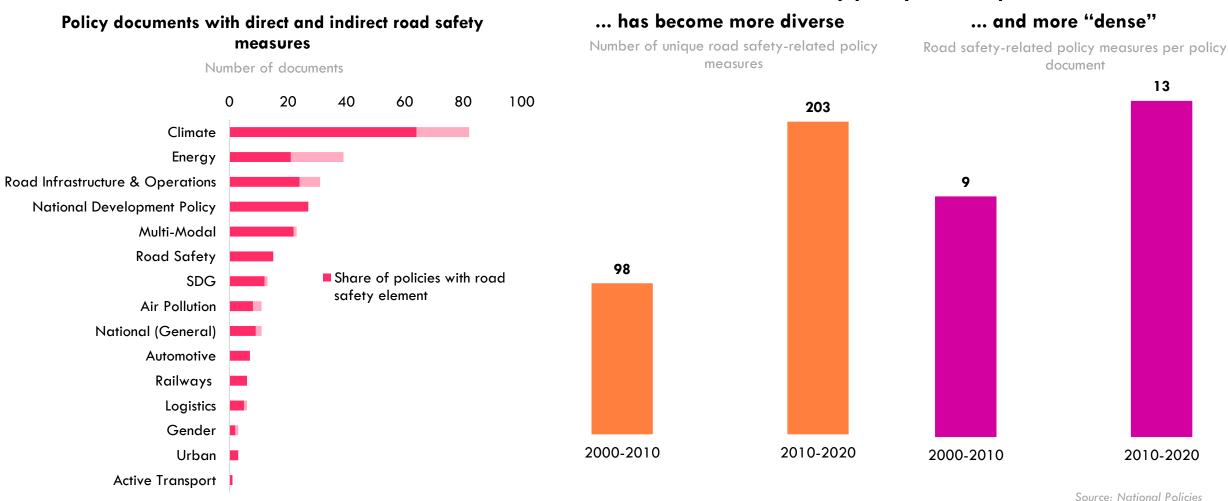




WHAT COUNTRIES ARE COMMITTING FOR ROAD SAFETY



A BROADER VIEW OF ROAD SAFETY POLICY IN ASIA



Road safety policy landscape

Asian Transport Outlook

Public

Source: National Policies

ROAD SAFETY DIRECT AND INDIRECT TARGETS

Road crash fatality target Philippines Fatality rate per 100,000 population reduced from 8.0 to 1.68 by 2028 [Philippine Development Plan 2023-2028]	132 road Road crash fatality target Bangladesh Road accident death rate to 13 per 100,000 by 2025 [Eighth Five Year Plan]	-safety related targets in Road crash injuries target Thailand The number of serious injuries from road accidents in 2027 must be less than 106,376. [Thailand Road Safety Master Plan 2022-2027]	 15 sample countries Vehicle safety standards Pakistan By 2030, 100 percent of new and used vehicles (produced, sold, or imported) meet or exceed UN Regulations and Vehicle Technical Regulations [National Road Safety Strategy 2018-2030] 	Helmet wearing rate Viet Nam To increase helmet wearing rates among children in Vietnam to over 80% by 2030 [National Child Helmet Action Plan]	Newl renovate vulneration [Nation road tr
Road crash fatality target Lao PDR Reduce the rate of deaths and serious injuries to 70% by 2035 2021-2030 National Road Safety Strategy and 2021-2025 Action Plan]	Road crash fatality target Malaysia Achieve at least 50% reduction in the number of deaths caused by road crashes by 2030 [Malaysia Road Safety Plan 2022-2030]	Star rating for existing roads Lao PDR 75% of major roads in the city with safety rating of three stars or higher by 2025 [2021-2030 National Road Safety Strategy and 2021-2025 Action Plan]	Mode share target Bangladesh To achieve a shift in passenger traffic from road to rail of up to around 20% by 2030 [Intended Nationally Determined Contributions]	Education Thailand 100% of traffic participants are educated and disseminated with knowledge and law on traffic order and safety and skills in safe traffic by 2030 [National Strategy for ensuring road traffic order and safety]	U Number built and transis [Nat Develop
Mode share target Malaysia Percentage of urban public transport modal share = 50% by 2040 [National Energy Policy 2022- 2040]	Road crash fatality target Pakistan Save at least 6,000 lives than would otherwise have been lost by 2030. [National Road Safety Strategy 2018-2030]	Database Viet Nam Traffic safety database must be developed and completed with modern technology, synchronous connection by 2030 [National Strategy for ensuring road traffic order and safety for the period 2021-2030]	Active transport infrastructure Bhutan 75% of urban road should be covered with dedicated NMT tracks by 2050 [Low Emission Development Strategy (LEDS) - Surface Transport]	Road rehabilitation Lao PDR Rehabilitate 2,800 km of roads, bridges and expressways in accordance with ASEAN technical standards by 2025 [9th Five-Year National Socioeconomic Development Plan]	Prioritizi safety a [Susta Visio

ROAD SAFETY RELATED POLICY MEASURES

— 3160 road-safety related measures in 15 sample countries —

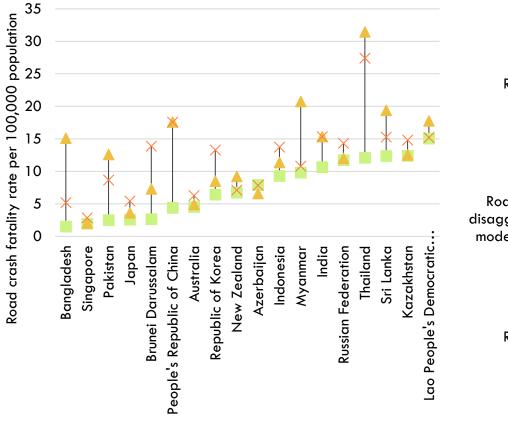
-side checks on helmet- ig, and seatbelt-wearing Nepal he compulsory use of seat- front-seat car passengers ind the use of helmets	Accreditation Pakistan By 2030 Pakistan has a cadre of internationally accredited Road Safety Auditors.	Audit Philippines Maintain at least three (3) safety star ratings in more than 50% of roads nationwide	Vehicle registration limits Maldives Vehicle control mechanism, including issuance of certificate of entitlement to register vehicles in the Greater Male' Region	Quality assurance Bhutan Various Quality Assurance measures shall be developed and continuously reviewed	Fossil fuel subs Bho Phase out subsid encourage conse to alternative
Road Safety Action Plan (2021-2030)]	[National Road Safety Strategy 2018-2030]	[Philippine Road Safety Action Plan 2023-2028]	[Strategic Action Plan 19-23]	[Road Sector Master Plan (2007- 2027)]	[The Alternati Energy Po
Jer and freight load limits Uzbekistan ent a system of weight and dimensional control Draft Strategy for the opment of the Transport tem of the Republic of bekistan until 2035]	Funding mechanism Sri Lanka 2020 onwards, 5% of transport investment allocation for safety improvement [Sustainable Sri Lanka 2030 Vision and Strategic Path]	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]	Public transport integration Nepal Make provisions for bus terminals, bus stops, taxi stands and bicycle stands and transfer facilities [National Sustainable Transport Strategy (NSTS) for Nepal (2015- 2040)]	Active transpo Bangi Creating spe pedestrians [Perspective Pla 2021-
Post-crash care Kazakhstan bilitation and support of and close dead as a result f the road accidents road traffic: The Law of public of Kazakhstan of 17, 2014 No. 194-V]	Database Sri Lanka Maintain a database for accident black spots, injury types and costs of damages. [National transport Policy of Sri Lanka]	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]	Educe Bang A special progres road safety will schools as implementation po [National Land
Asian				Source: National I	Policies

5

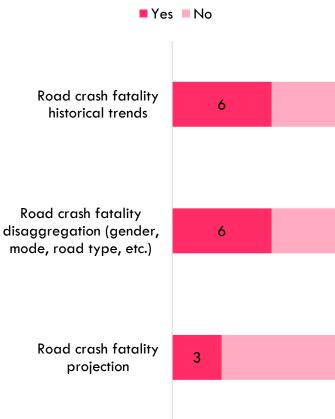
NEED FOR BETTER DATA IN ROAD SAFETY

Road crash fatality rate comparison by source, 2019

Country Official Statistics AWHO ×Global Burden of Disease



Road safety strategies with analysis of fatality trends (survey in 10 countries*)



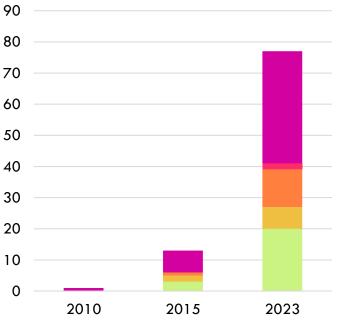
Measures on data systems improvement for road safety

General data repositories and data collection

Trauma registry

Number of measures

- National road safety database
- Data modelling improvements
- Collection and analysis system for accident data



Source: Country Official Statistics, WHO (2021), GBD (2019) Asian

Transport Outlook

Public

Source: Road Safety Strategies

Source: National Policies

*Bangladesh, Lao People's Democratic Republic, Malaysia, Maldives, Nepal,

Pakistan, Philippines, Thailand, Uzbekistan, Viet Nam

"ATO translates data into insights, policies, and investments"

www.asiantransportoutlook.com

ATO Teamasiantransportoutlook@gmail.comJamie Leatherjleather@adb.orgAndres Pizarroandres.pizarro@aiib.orgCornie Huizengachuizenga@cesg.bizSudhir Gotasudhirgota@gmail.com

Twitter@transportATOLinkedInbit.ly/ATOlinkedin





