

Two- and Three-wheeler Road Safety in Asia

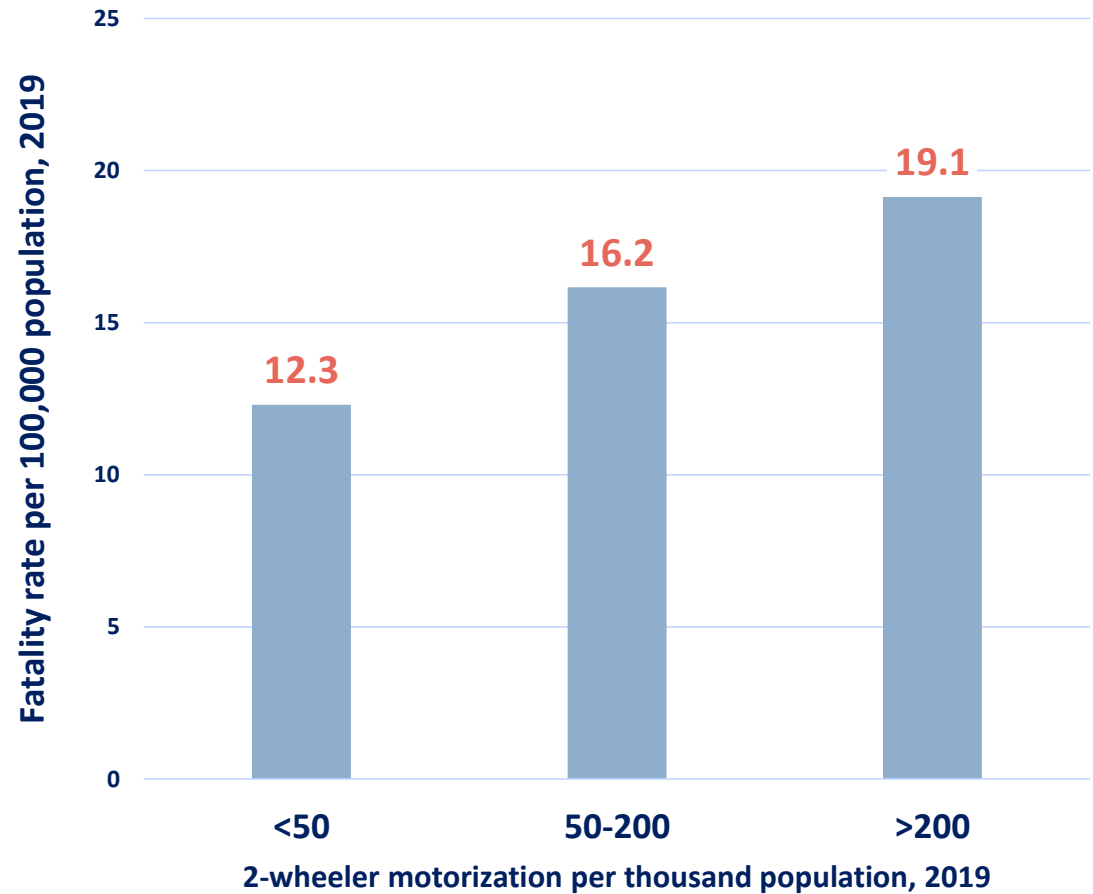
Status & Trends



Countries with higher 2/3-wheeler ownership have higher road crash fatalities.

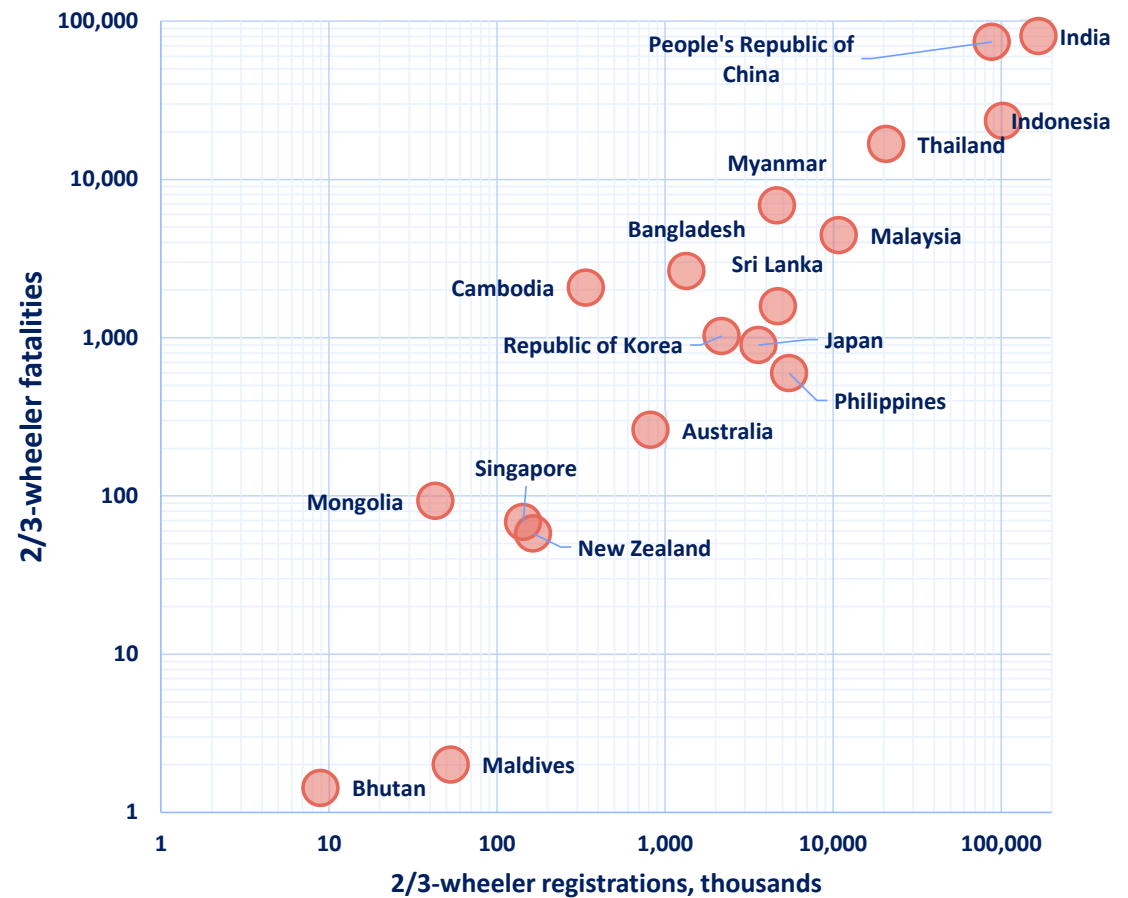
Particularly in Southeast Asia, there could be 4 to 6 motorcycles per 10 people and fatality rates are as high as 30 deaths per 100,000 thousand.

Fatality rates in countries with 2/3-wheeler ownership rates



Evidence is clear that 2/3-wheeler fatalities is high in countries with high 2/3-wheeler fleet.

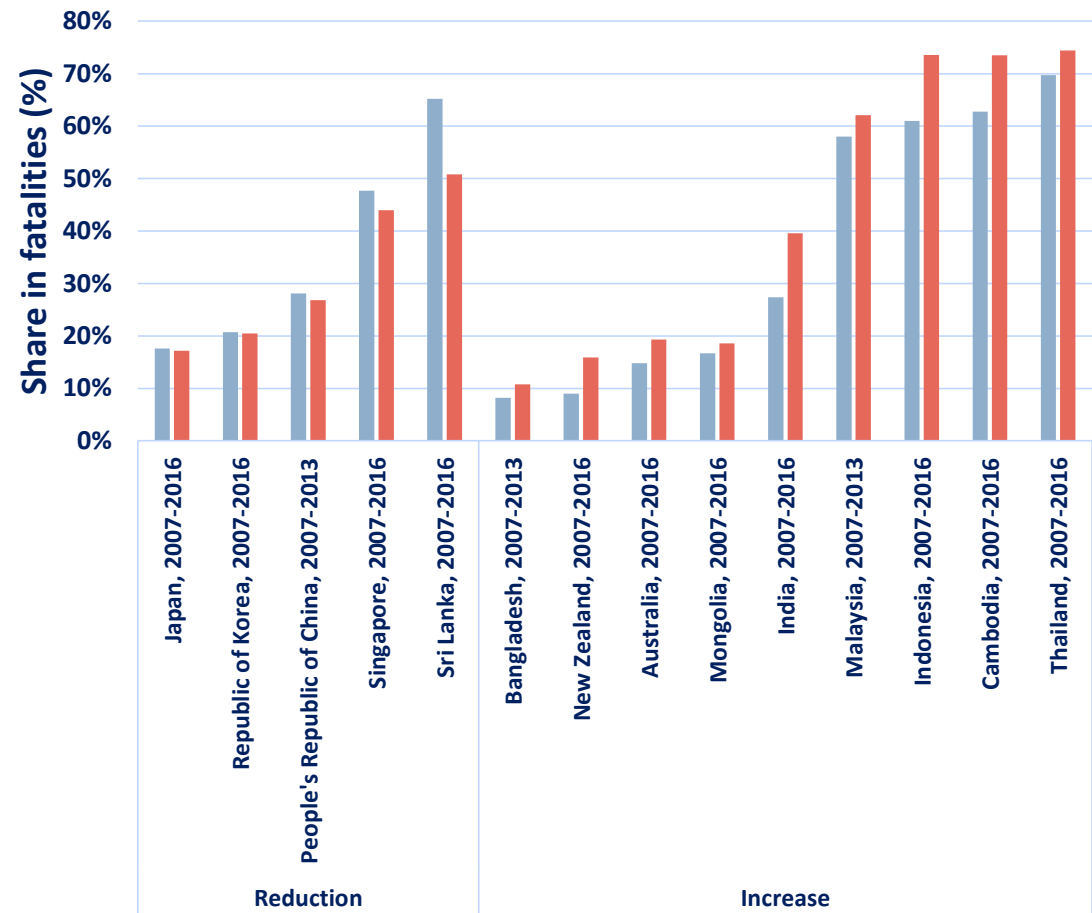
2/3-wheeler registrations vs. 2/3-wheeler fatalities



Source: ATO, WHO

Some countries have reduced the share of 2/3-wheeler fatalities since 2007. However, in many countries, the share continues to increase.

Share of 2/3-wheeler in road crash fatalities

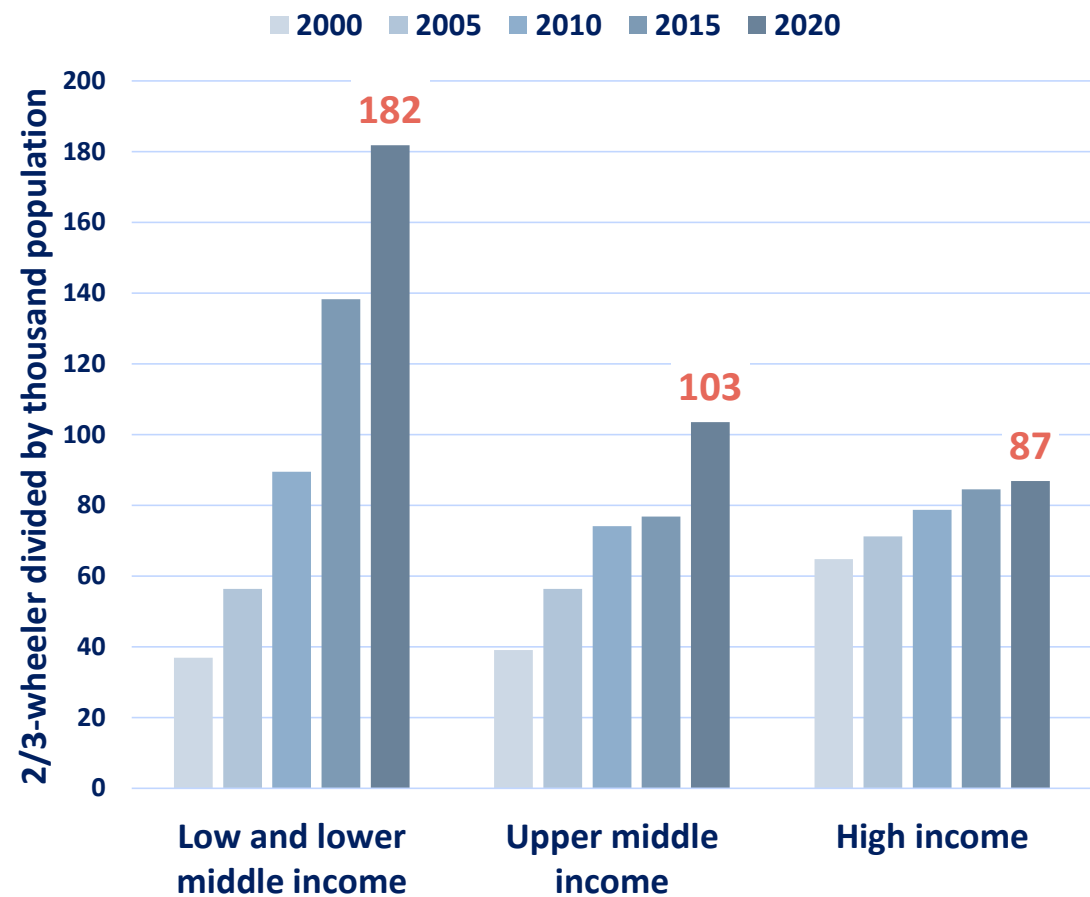


Source: ATO, WHO

2- and 3-wheelers are popular modes of transport in Asia due to their flexibility and affordability.

Low and lower middle income countries have increased their 2/3-wheeler ownership significantly.

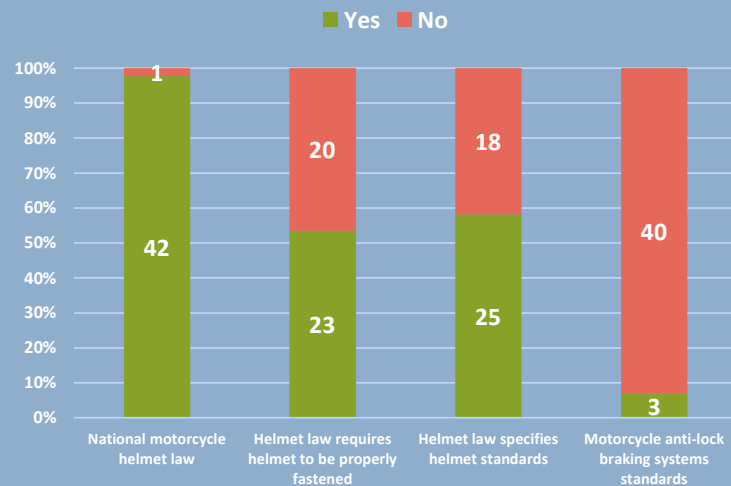
2/3-wheeler ownership growth



Majority of countries report to have helmet law in place, however, not all countries enforce helmet-fastening and helmet standards.

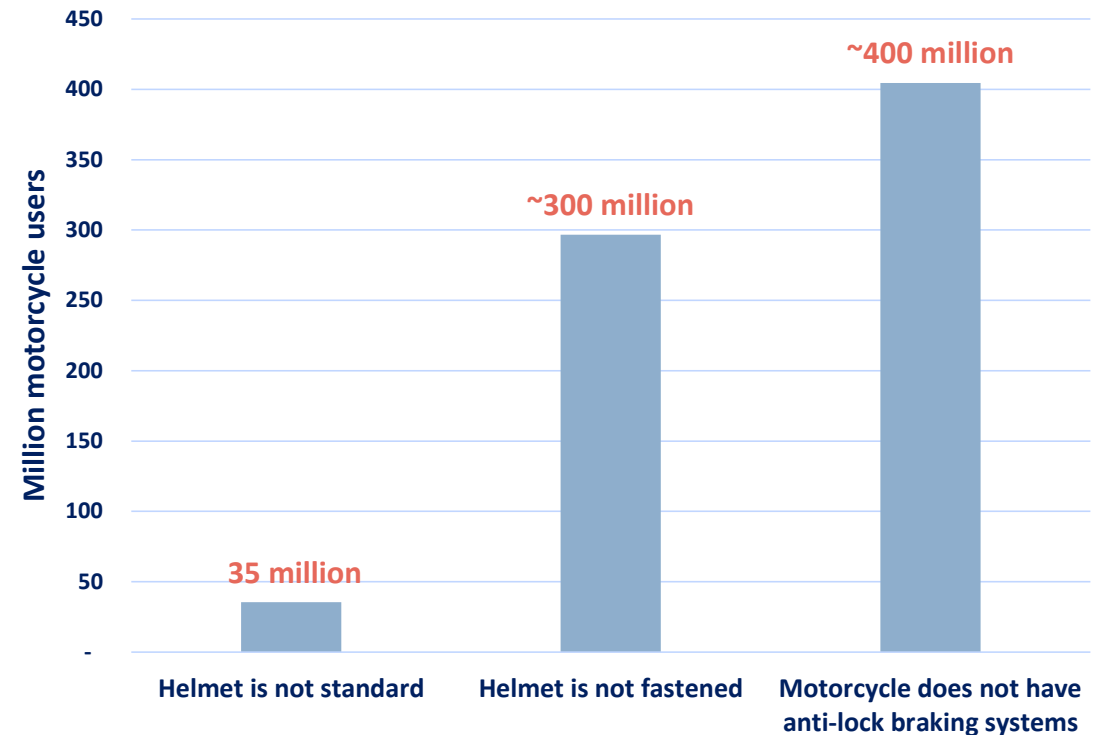
Motorcycle anti-lock braking systems (ABS) are also not yet adopted in the majority of Asia.

Number of countries with motorcycle safety legislation



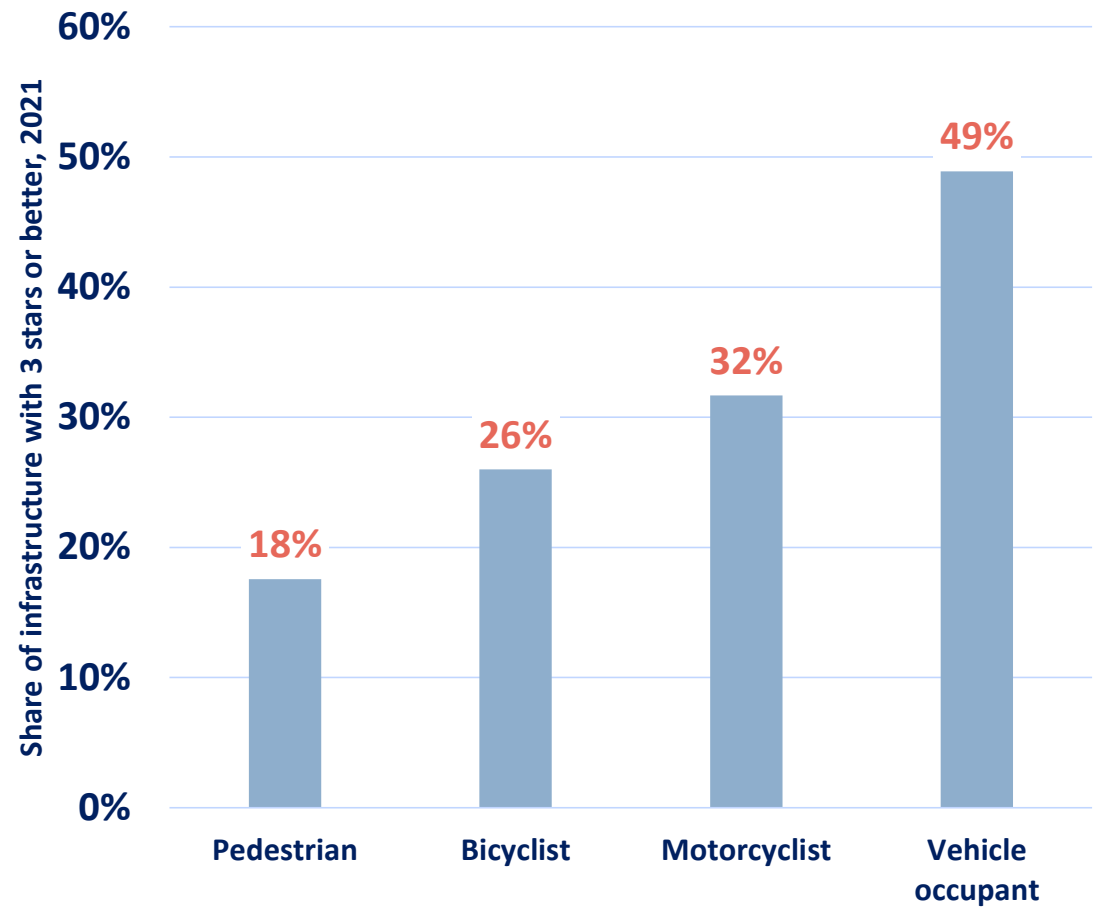
Motorcycle safety legislation

Motorcycle users who are not safe



Close to 70% of roads in Asia remain unsafe for motorcycle users without road separation, motorcycle lanes, and speed management.

Infrastructure road safety rating per road user



Source: ATO, iRAP