

**Title: Improving timeliness and accuracy of data on road traffic injury severity in an emerging economy setting**

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**Abstract**

**Objective:** Road traffic injuries (RTIs) are among the leading causes of injury and fatality worldwide. RTI casualties are continually increasing in Taiwan; however, because of a lack of an advanced method for classifying RTI severity data, as well as the fragmentation of data sources, road traffic safety and health agencies encounter difficulties in analyzing RTIs and their burden on the health care system and national resources.

**Methods:** A task force compiled the classifications applied in various countries, and summarized data sources for RTI severity in Taiwan.

**Results:** Fragmentation of data sources was identified. Accordingly, we proposed a practical classification for RTI severity, as well as a feasible model for collecting and integrating these data nationwide. The proposed model's pros and cons are also compared to those of other current models.

**Conclusion:** This model can provide timely data of RTIs severity recorded by medical professionals and is also valuable to emergency care providers.

**Category:** Public health

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