

ATRANS & IATSS Joint Session

Data collection on Motorcycle Crashes

23 August 2019 ATRANS & IATSS



Agenda

- 1. Introduction
- 2. Key note
- 3. Summary of pre-session
- 4. Presentation
- 5. Discussion & Q&A
- 6. Closing



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1.35
million deaths each year

8th
leading cause of death for people of all ages

cause of death for children and young adults 5–29 years of age

times higher death rates in low-income countries than in high-income countries

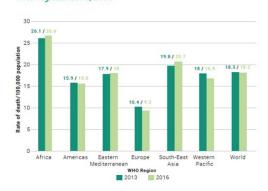
♦ Seriousness
Number,
Leading cause of death
Young adults
Death rates

Figure 4: Number of countries where a change in the number of road traffic deaths has been observed since 2013*



◆ Middle / Low income countries

Figure 5: Rates of road traffic death per 100,000 population by WHO regions: 2013, 2016



◆ South-East Asia





Driver / passengers of 4 wheeled vehicles



Cyclists

Pedestrians

Others / unspecified

Motorized 2-3 wheelers



Engineering

Safety devices as

- Vehicle technology
- Infrastructure (signals, signs and surface)
- IT technology

Enforcement

System, regulation as

- Driving license
- Penalty / Point system for violation
- Regular inspection on vehicles

Education

For drivers, children / parents

- Driving school for novices
- Lecture for violent drivers
- 1st, 2nd grade of primary school children





Engineering

Safety devices as

- Vehicle technology
- Infrastructure (signals, signs and surface)
- IT technology

Poli are

Politicians, governments and activists are apt to insist to introduce safety devices is the best way to reduce crashes.

ABS!

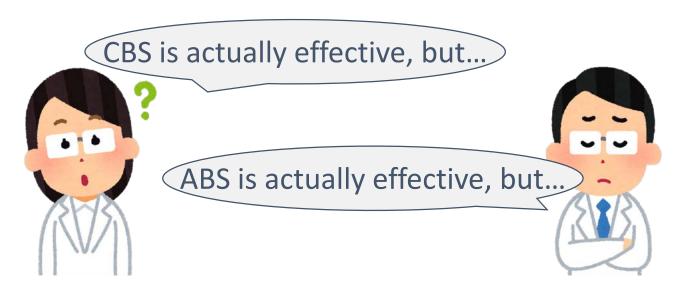


CBS : Combined Brake System but

A.B.S: Anti Lock Brake System

It's true and not true.





Such systems require cost up and

These are effective for full braking from high speed driving. but

If crashes occur mainly in low speed?
If crashes are mainly caused by drunk drivers?
If drivers who cause crashes are novices?



To find the best method, correct data are needed.



General information: • Date, Time, Place, Weather

Number of injured, fatalities

Type, number of vehicles

Human: • Age, sex

Physical condition (drunk, sleep, distracted)

Helmet

Driving license (type, validity)

Road, Traffic: • Road shape, line, surface condition

Signal

Vehicle: • Type, shape, color

Safety device

Tire condition

Injury: • Cause of death, site/severity of injury

Rescue: • Time of arrival, time to hospital



♦ Purpose of the session

 Some countries say that they have already built their own traffic crash data collection / management system.

Sharing their experience will help others to break through their issues.

 At the same time, as building such system requires time, each country might have introduced some countermeasures already.

To share such information is one of purpose of the session.

◆Participants shared

What kind of data collected

How to collect data

Who manage the data

Past / existing problems

Have you already introduced any countermeasures in low cost?

◆Participants

·AIP Foundation : Ms. Mirjam Sidik, CEO, AIP Foundation, Vietnam

•Thailand : Dr. Phathai Singkham (Department of Disease Control, Ministry of Public Health)

•Sri Lanka : Dr. Niranga Amarasingha, SLIIT Faculty of Engineering Malabe

·Bangladesh : Md. Abu Talab, Center for Injury Prevention and Research

• Malaysia : Prof. Dr. Shaw Voon Wong, Universiti Putra Malaysia

• Philippines : Dr. Ricard G. Sigua, University of the Philippines

·Japan : Prof.Dr. Satoru Kobayakawa, College of Science and Technology, Nihon Univ., IATSS