

# **Workshop on Motorcyclists Safety : Riding in a Safe System**

**Motorcycling in the regions  
10 June 2021**

**Presenter: Johannes Loman, FAMI's President**

Federation of Asian Motorcycle Industries (FAMI) :  
Indonesia (AIS), Japan (JAMA), Malaysia (MASAAM), Philippines (MDPPA),  
Thailand (TAIA), Taiwan (TTVMA), Vietnam (VAMM)

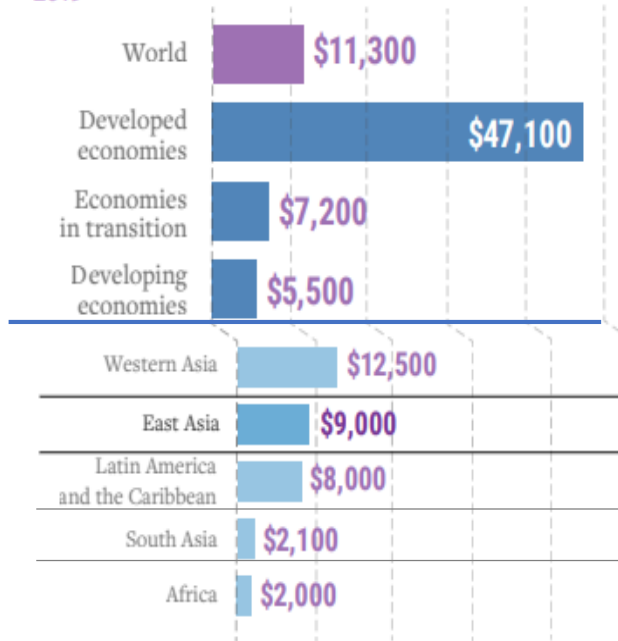
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1. Regional Information
2. Learnings from recent In-depth Accident Investigation in Thailand (by Honda and Yamaha)
3. Road safety activities in the region

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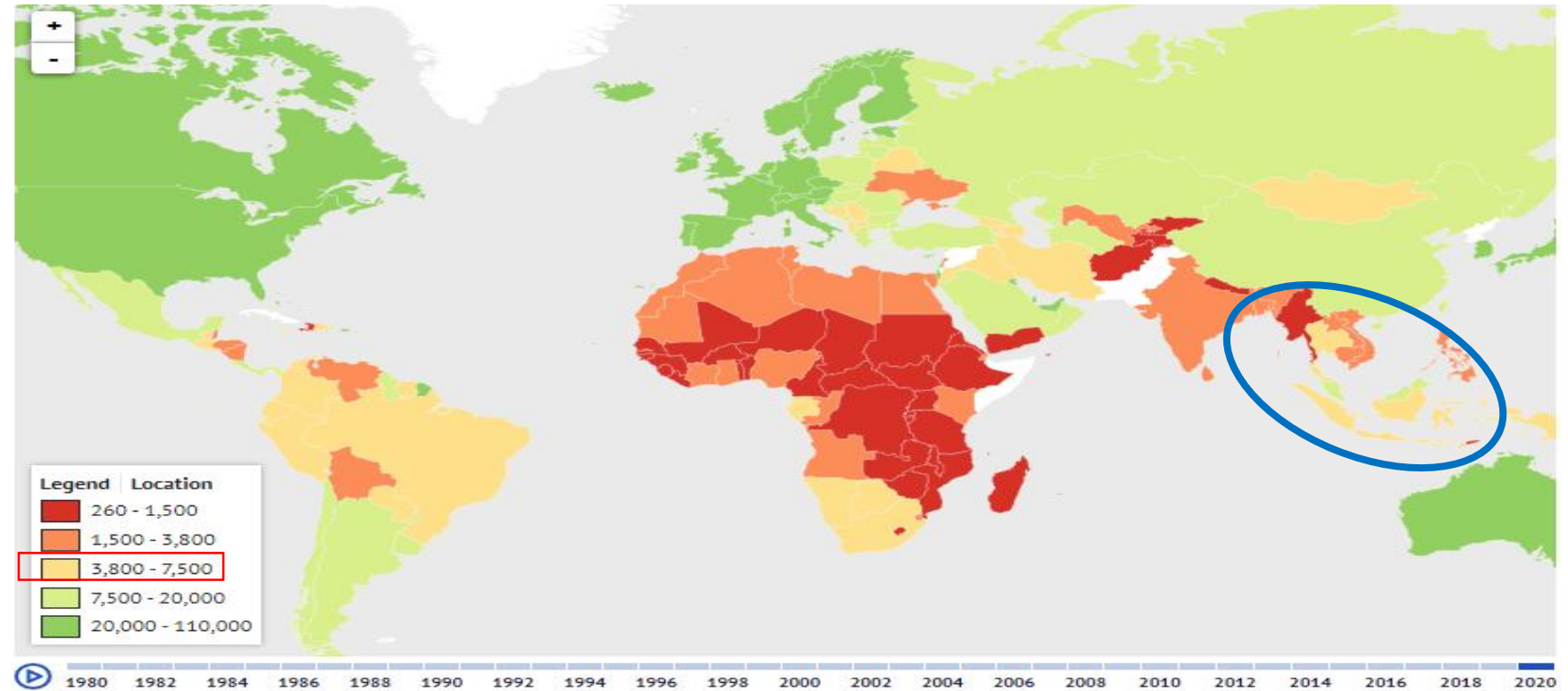
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## GDP per capita 2019



[https://www.un.org/development/desa/dpad/wp-content/uploads/sites/45/WESP2020\\_FullReport.pdf](https://www.un.org/development/desa/dpad/wp-content/uploads/sites/45/WESP2020_FullReport.pdf)

## GDP per Capita 2020

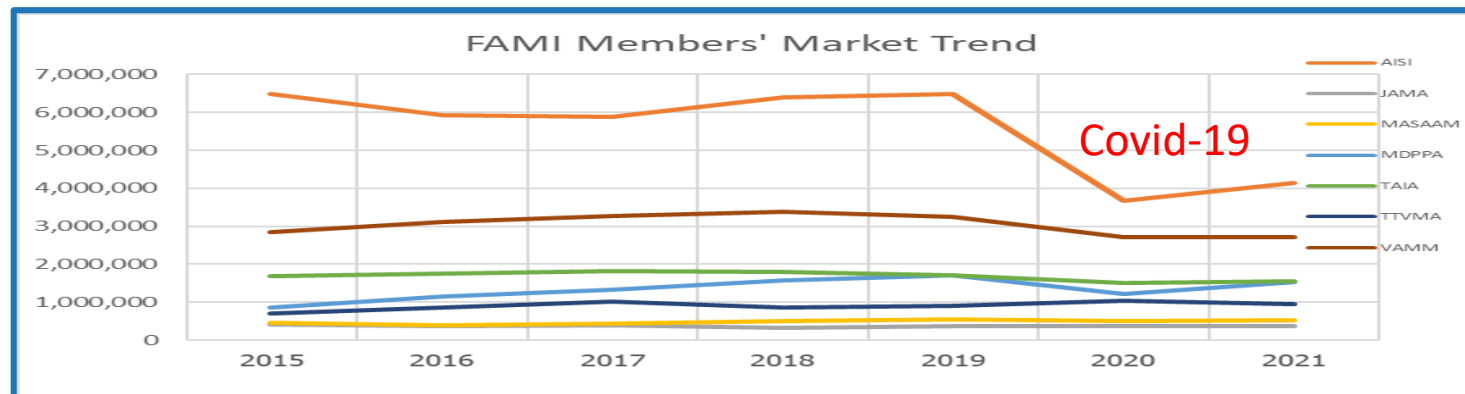
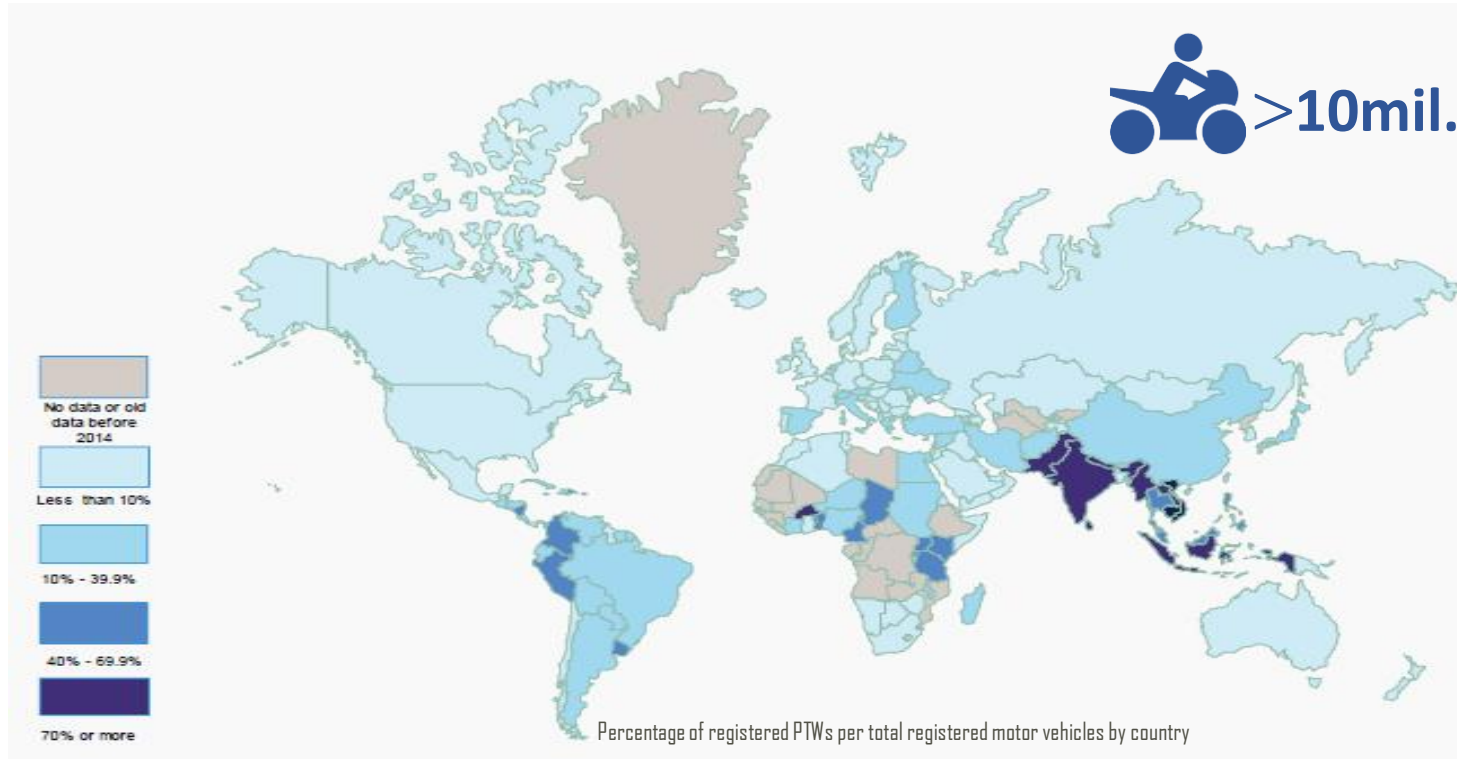


<https://knoema.com/atlas/maps/GDP-per-capita>

**Economic indicator in FAMI member countries (LMIC) – GDP is around 3.8-7.5k USD**

 >10mil. Units / year

Population  
VS  
Fleet Vehicle



**Most of Populations in ASEAN countries use motorcycle as their foundation transport.**



# Various purposes of using Motorcycle in ASIAN Region

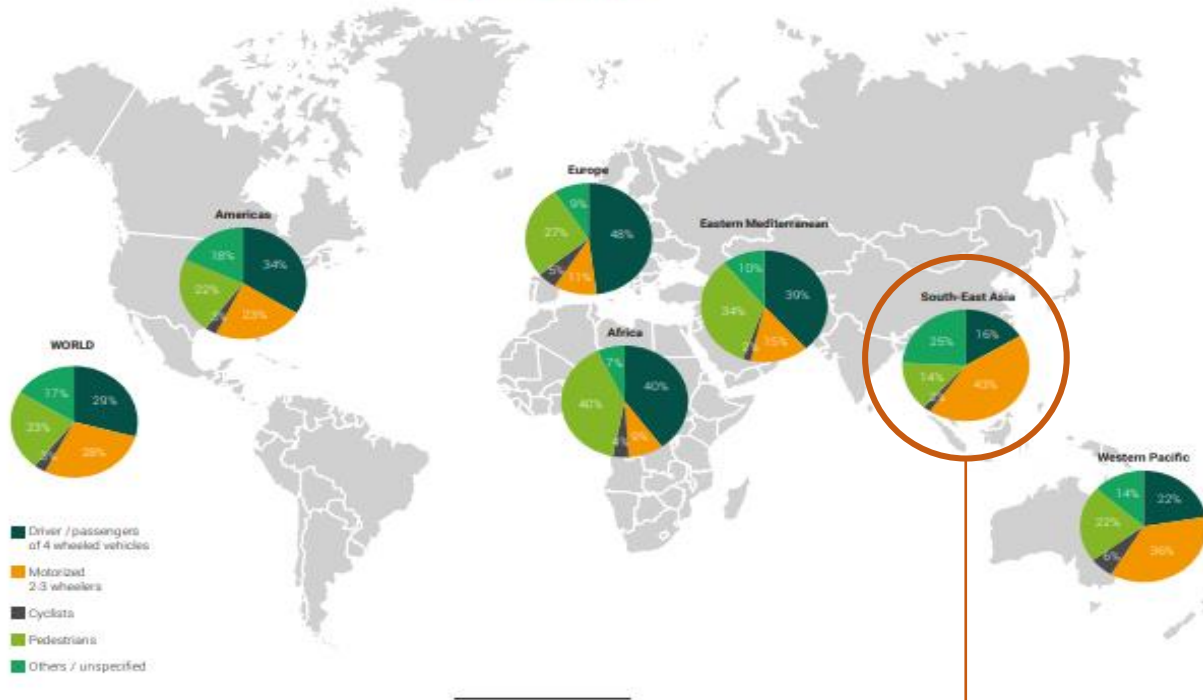


Major transport and conjunction in daily, business, jobs on difference road conditions

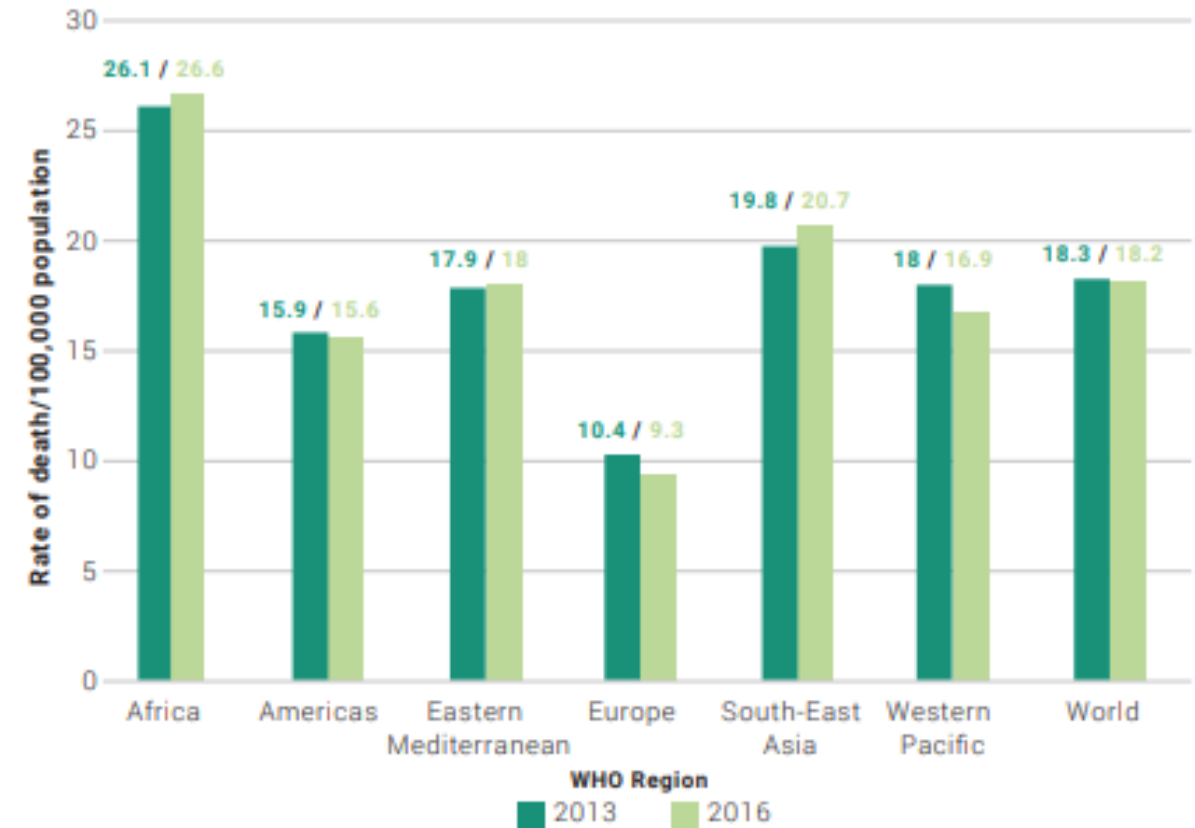




**Figure 5: Distribution of deaths by road user type, by WHO Region**



**Figure 4: Rates of road traffic death per 100,000 population by WHO regions: 2013, 2016**

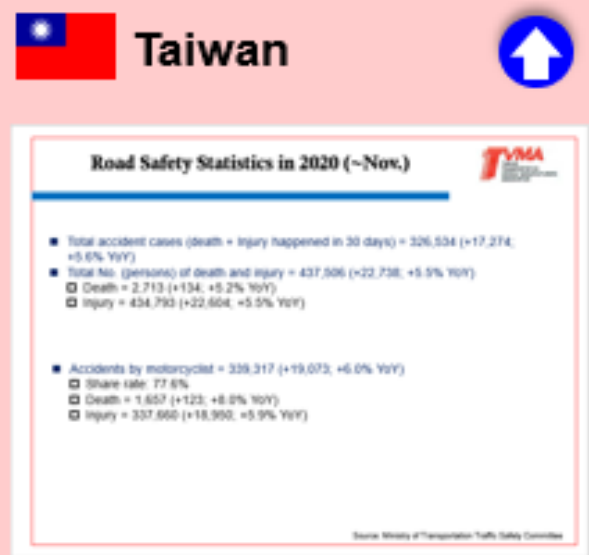
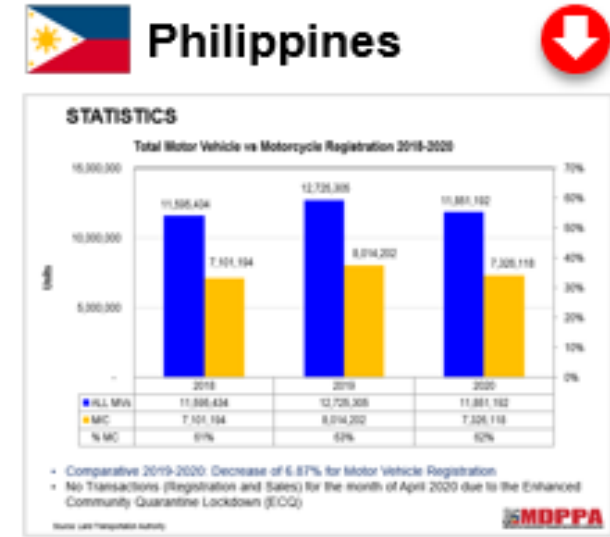
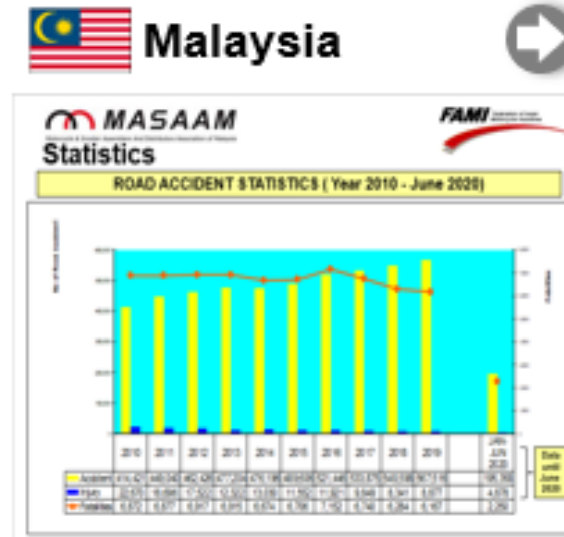
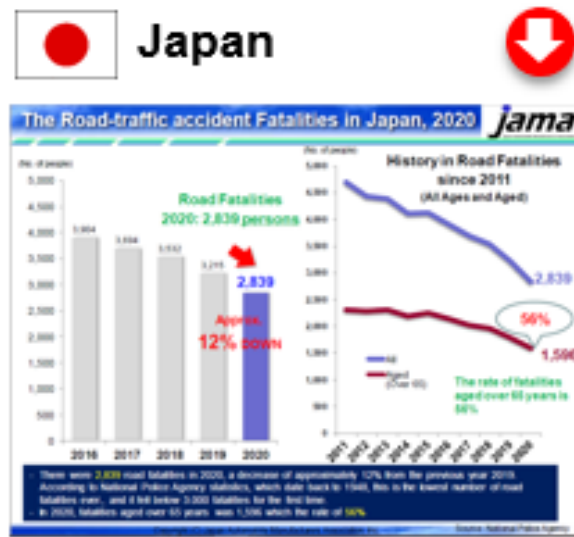


SUMMARY

GLOBAL  
STATUS  
REPORT  
ON ROAD  
SAFETY  
2018

**Refer to Asian populations and benefits of uses → Reflecting to accident and fatalities in motorcycle users**

# Trend of Accident & Fatality in S.E. Asian countries



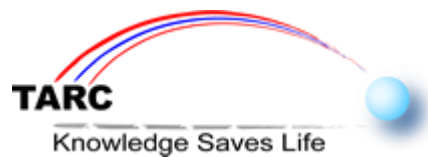
All FAMI members has monitor and create action plan to decrease accident and fatalities.



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Project:  
Research Finding In-depth Accident Investigation in Thailand  
Y2016-2020  
[1,001 cases]



# The Summary of Research Finding In-depth Accident Investigation in Thailand

Thailand Accident Research Center (TARC)  
Asian Institute of Technology (AIT)  
2016 - 2020

**Total 1,001 cases**

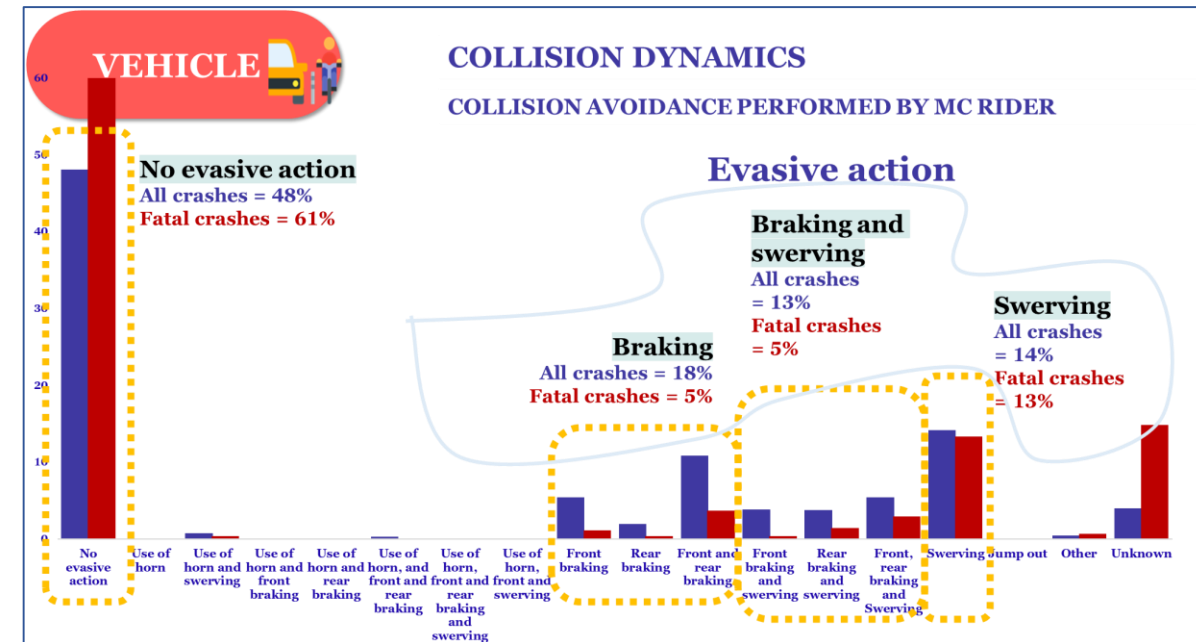
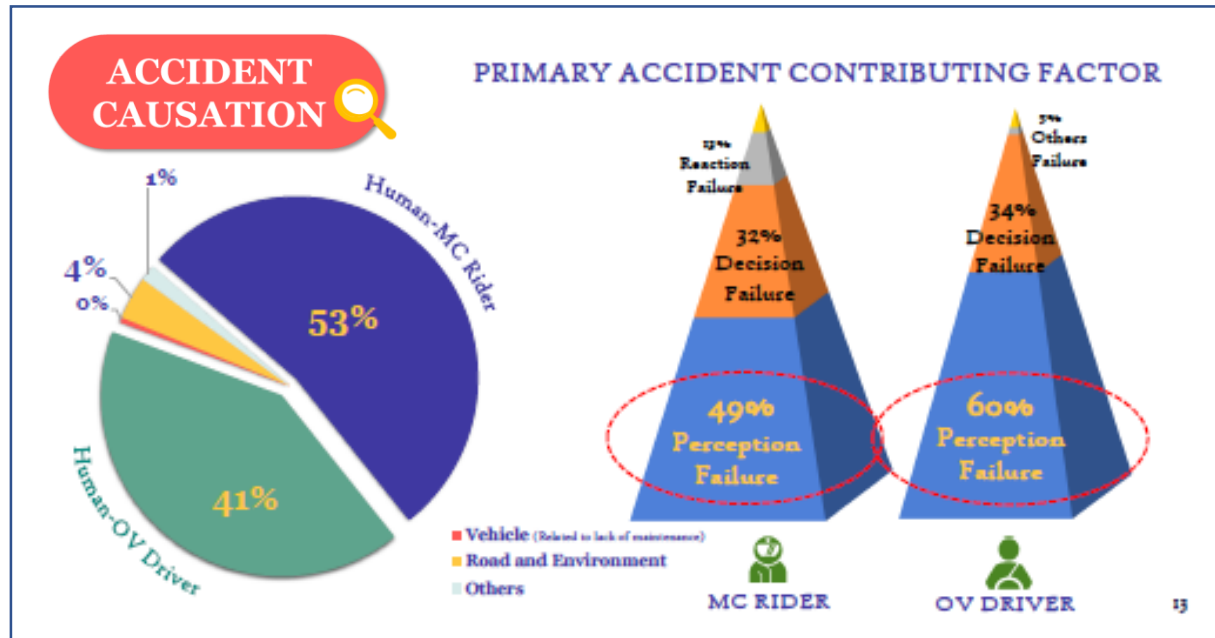
**27 %**

**FATAL CRASHES**

**269 cases**

**NON-FATAL CRASHES**

**732 cases**



Honda & Yamaha mutually study for finding root cause of accident in Thailand.  
We conducted 1,001 cases and found that 53% of accident came from rider's.  
This major in perception failure and rider skill.

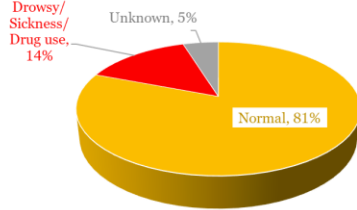


## HUMAN FACTORS

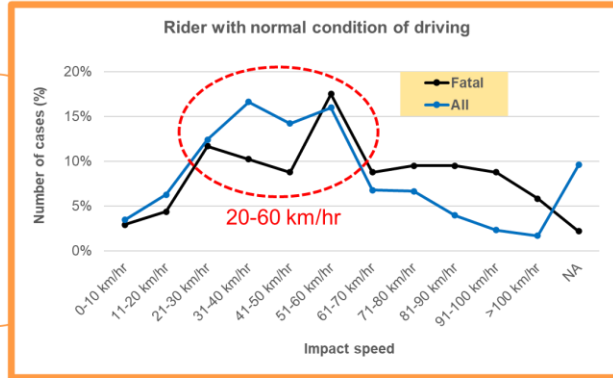
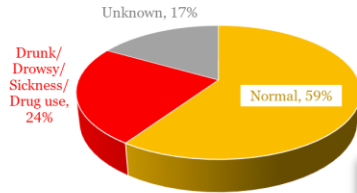
### MC RIDER

#### DRIVING CONDITION OF MOTORCYCLE RIDER

##### Driving Condition (All cases)

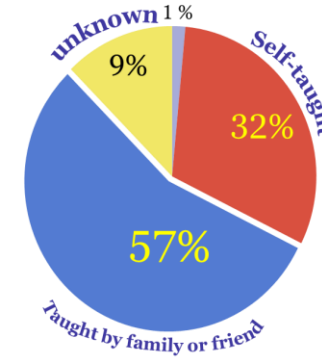


##### Driving Condition (Fatal cases)

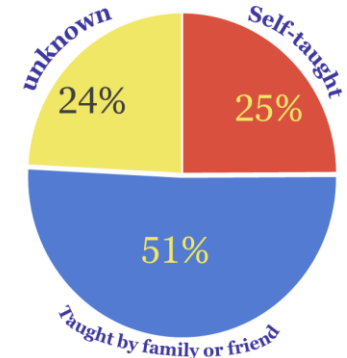


## HUMAN FACTORS

### MC RIDER TRAINING



Special mandatory training

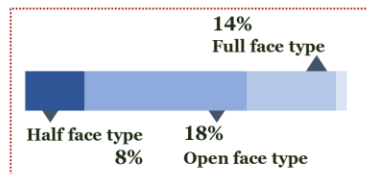
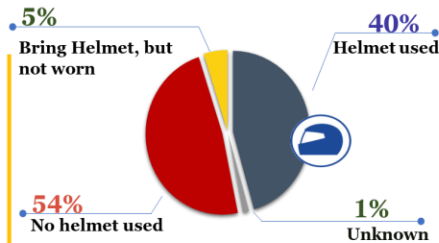


The studied cover rider speed, practical learning, Helmet use and other contributing factors.

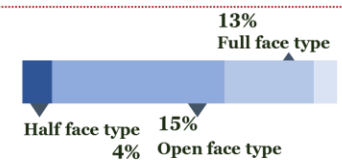
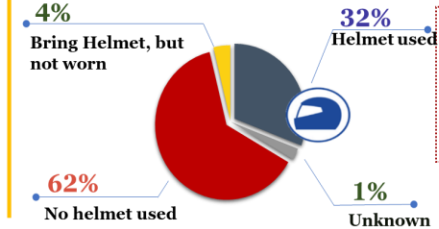
## MC RIDER PROTECTION

### RIDER HELMET TYPE

#### ALL CRASHES

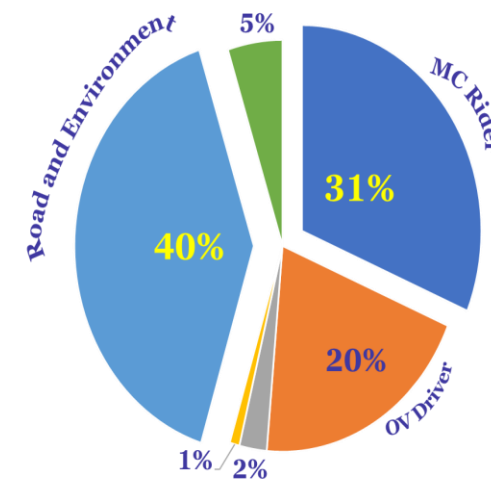


#### FATAL CRASHES



## ACCIDENT CAUSATION

### SECONDARY ACCIDENT CONTRIBUTING FACTORS



The majority of other contributing factors was road and environment

- Others
- MC Technical Failure
- OV Technical Failure

## Recommended Countermeasures and Policies from Researcher Team

### RIDER TRAINING



- Need to pass **riding training courses** before license examination
- **Accident Prediction** should be included in the examination
- Improve the process of practical license examination
- Need to attend **safe riding training courses** (w/ accident prediction contents) for those who are **renewing licenses**.

### DRIVER LICENSES



### ENFORCEMENT



- Strict enforcement and record keeping for **traffic violations**
- Strong regulation and enforcement for **illegal parked vehicles on all highways** especially for large trucks. They should be required to install high reflection signs at the rear-end of all large trucks.

### RESTRAINT SYSTEM



- Continually promote the **use of helmet (standard helmet, appropriate wearing)** especially in risk groups.
- Implement new technology for helmet enforcement

**Key recommendations for the researcher team suggested to Gov't and related parties to improve any measures related to Road Safety as rider training, driver license, law enforcement and protection.**

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## Police Will Focus and Develop ETLE

*Traffic polices will focus to control traffic, do not need to make a traffic ticket. We hope that it will become an icon for changing the behavior of the Police,"*



## Continuing promote safety campaign

**Traffic Safety Campaign** (every spring & autumn)  
Promoting correct helmet use and use of chest protector



**Motorcycle Day** Aug 19, 2020  
YouTube/TikTok video contest and other virtual events held due to COVID-19



**Good Rider JAPAN RIDERS**  
Activities promoting "good rider" etiquette  
グッドマナー  
**JAPAN RIDERS**



**Uninterrupted appeal**  
"Wear helmet properly with chin-strap!"



## Create a new generation of road safety-conscious drivers and riders

*Measures taken by employers to prevent traffic-related deaths and injuries of worker*  
*Employers have a moral obligation to adopt a proactive approach to manage occupational road risks.*



## New Land Transportation Office ( LTO ) DRIVERS LICENSE ISSUANCE PROGRAM

※R.A. 4136, Section 23-A – Establishment of stricter rules before the issuance of Driver's License  
※The LTO shall promulgate prerequisites and guidelines before the grant of driver's Licenses to ensure that these are issued only to deserving applicants with sufficient driving skills and knowledge on road safety and proper road



## TAIA seminar on "Corporate Measure for Sustainable Road Safety Workshop

*This is to emphasize and encourage TAIA members to work on corporate measure for road safety.*



## Road Safety Training Update

*The government encourage the first applicant of motorcycle driver license to attend the training courses of motorcycle riding; to learn the right knowledge of road use, safer riding skill, especially the defending riding. The subsidy of NT\$1,300 will be extended to 2021.*



## Traffic Safety Research 2021

*The current situation and solutions to improve quality helmet for motorcycles in Viet Nam.*  
*Research aims to increase customer awareness about choosing and using standard helmets, thereby contributing to minimize injuries when accidents happen*

