

Addressing Motorcycle Safety

Tomofumi Saitoh

Vice President Research, Development and Engineering,
Autoliv Asia

POWERED BY



Supported by:





Addressing Motorcycle Safety

Tomofumi Saitoh

Vice President RDE, Asia

Sep, 2024

Addressing Motorcycle Safety – Tomofumi Saitoh

Copyright Autoliv Inc., All Rights Reserved

Internal

Autoliv

POWERED BY



UN Road Safety Fund Collaboration

"Our collaboration with UNRSF allows us to gain insights from the global road safety community and share our expertise as a leader in automotive safety

Partnerships and collaborations are essential for reducing the global burden of road traffic deaths and severe injuries. We are confident that safety for motorcyclists and other vulnerable road user groups can be significantly improved.

By working closely with the UN Road Safety Fund and its global network of partners, we can make the roads safer."

-Mikael Bratt, CEO of Autoliv

Autoliv

Copyright Autoliv Inc., All Rights Reserved

Internal

POWERED BY



Supported by:



Our Vision

Saving More Lives

We strive to save more lives and prevent serious injuries. We continuously focus on consistency and quality for our customers, confidence and security for our employees, stability and growth for our shareholders, as well as being sustainable and earning trust within our communities.

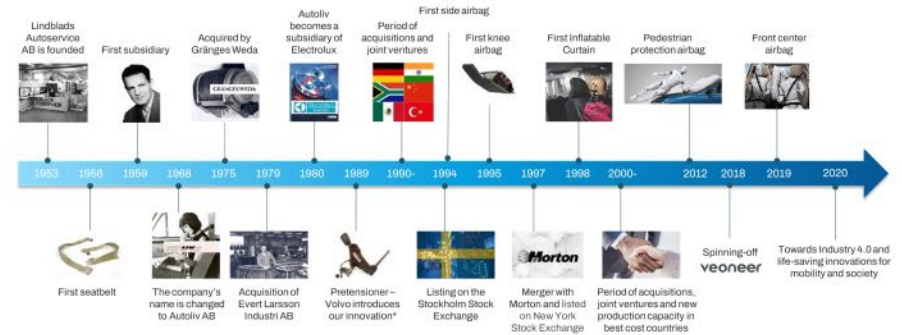


Our Mission

Providing World Class, Life-Saving Solutions for Mobility and Society



70 years of dedication to saving lives



POWERED BY



Supported by:



Autoliv's Real-life Safety Approach – Circle of Life

Test Methods / Validation



Developing Solutions On-vehicle | On-rider | Digital



June 24, 2024

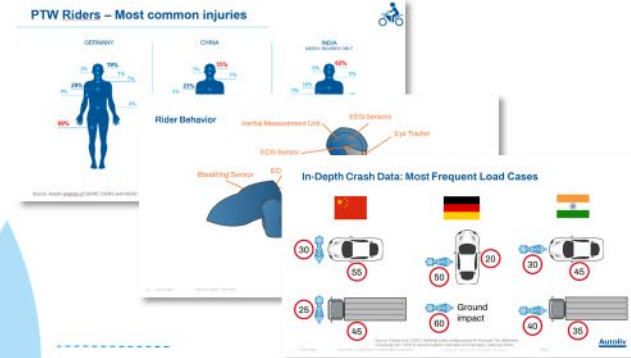
Addressing Motorcycle Safety - Jordi Lombarte



Copyright Autoliv Inc., All Rights Reserved

POWERED BY

Real life data analysis



Injury and behavior assessment



Internal

Autoliv



Supported by:

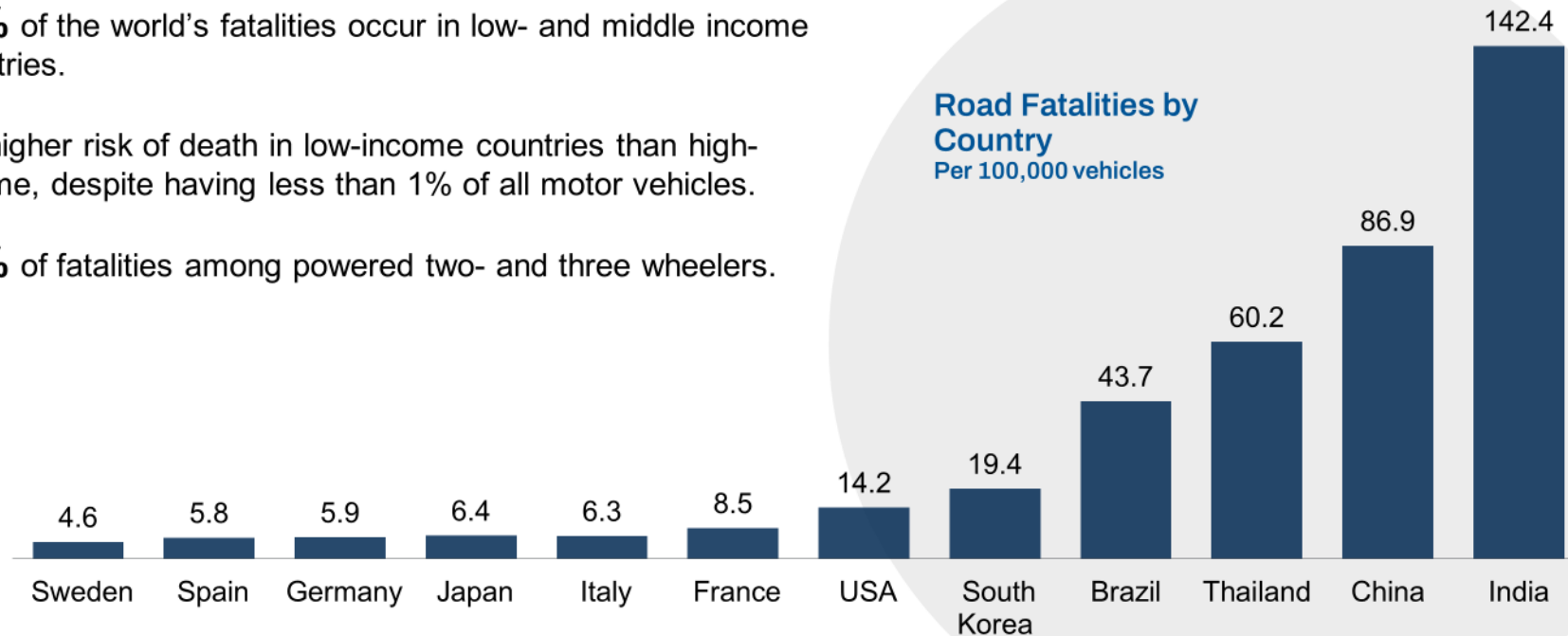


A Long Way to Go to Democratize Traffic Safety

92% of the world's fatalities occur in low- and middle income countries.

x3 higher risk of death in low-income countries than high-income, despite having less than 1% of all motor vehicles.

21% of fatalities among powered two- and three wheelers.



Source: WHO Global Status Report on Road Safety 2018, and 2023

Copyright Autoliv Inc., All Rights Reserved

Internal

Autoliv

POWERED BY



Supported by:

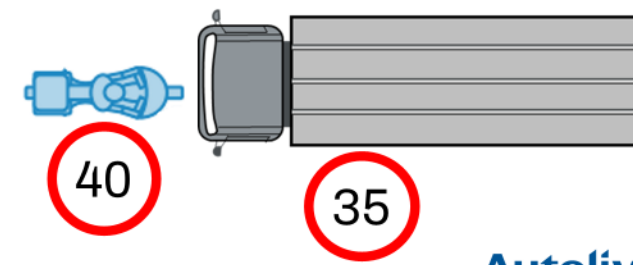
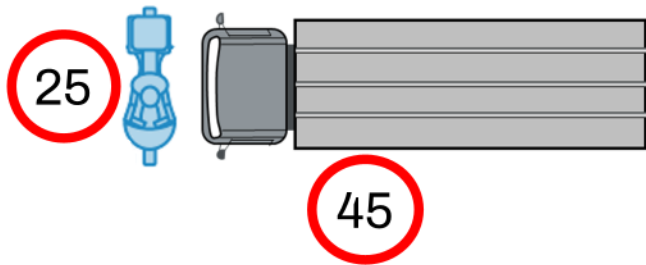
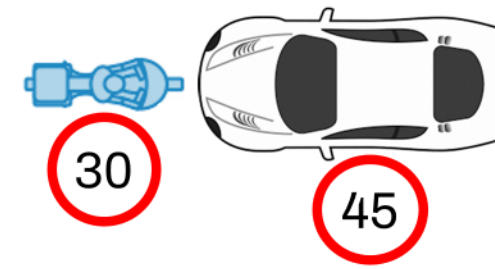
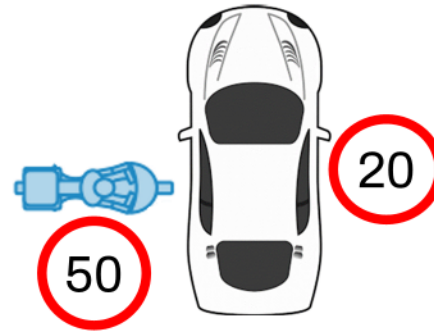
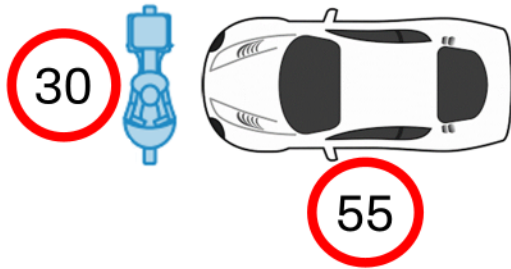


Traffic Safety Research: Most Frequent Crash Scenarios

Source: Puthan et al. (2021). Defining crash configurations for Post-World Two-Wheeler Crashes. Comparing ISO 13200 to real-world data from Germany, India, and China.

CARS
CONFERENCE ON ASIA ROAD SAFETY 2024
"Safer Journey, Sustainable Future"

2-4 SEPTEMBER 2024 | PUTRAJAYA INTERNATIONAL CONVENTION CENTRE (PCCC), PUTRAJAYA



Autoliv

Copyright Autoliv Inc., All Rights Reserved

Internal

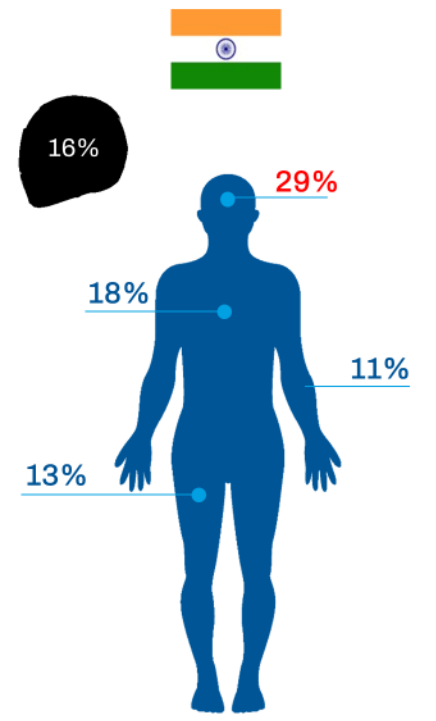
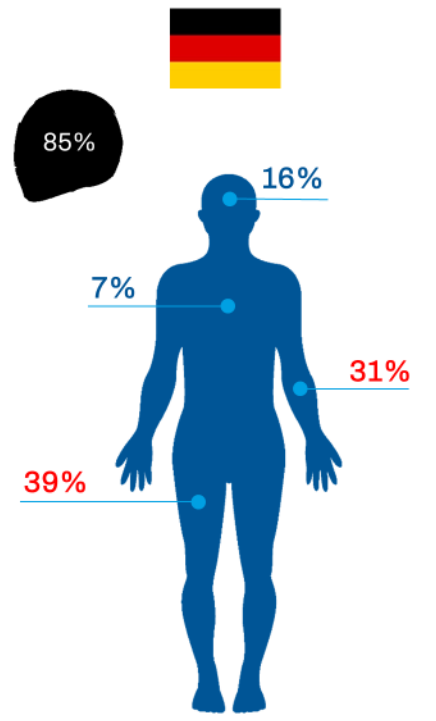
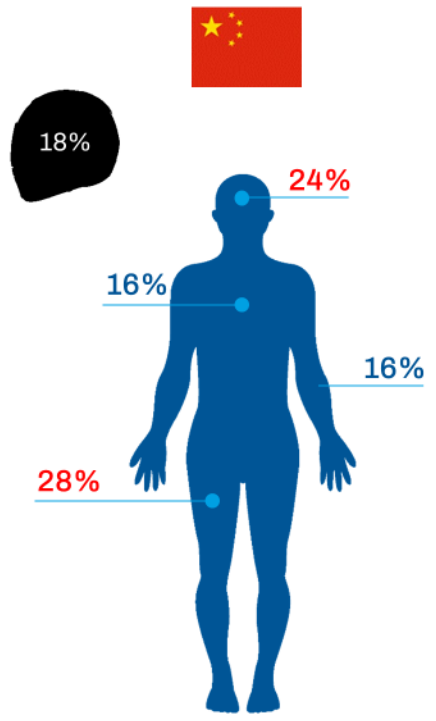
POWERED BY



Supported by:



Injured body regions to Motorcycle riders in urban crashes (MAIS2+)



Copyright Autoliv Inc., All Rights Reserved

Internal



POWERED BY



Enhancing safety for Motorcycle Riders



Comprehensive Collaborations



Copyright Autoliv Inc., All Rights Reserved Internal

POWERED BY



Supported by:



Enhancing Safety for Motorcycle Riders

Effective Solutions exists!

On Vehicle Safety

Active and Passive Safety



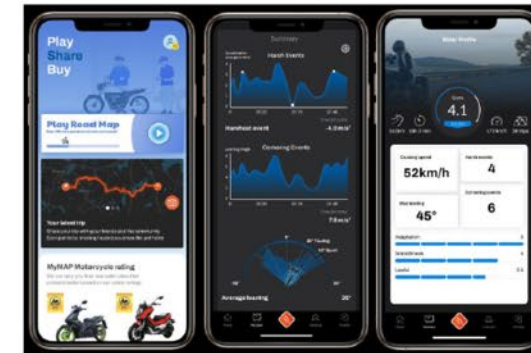
On Rider Safety

Personal Protective Equipment



Safety Awareness

Connected Safety Systems



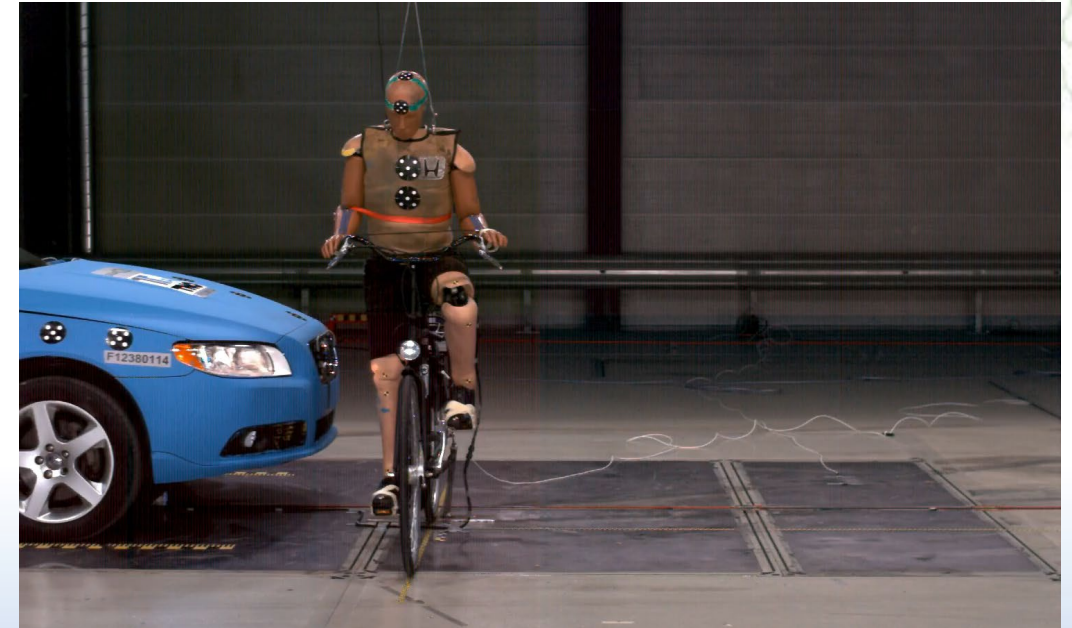
Copyright Autoliv Inc., All Rights Reserved

Internal

Autoliv

POWERED BY





POWERED BY



Supported by:



We need to act now!

- Incentivize and Scale-Up
- We must make people care more about safety
- Encourage industry to develop and deploy safety
- Consumer ratings



Addressing Motorcycle Safety – Tomofumi Saitoh

Copyright Autoliv Inc., All Rights Reserved

Internal

Autoliv

POWERED BY



Supported by:



UN project Call 2024

- Autoliv is proud to be able to help enable this call
- Real change
- In partnership
- That can be scaled up
- Give confidence to act
- UN call opens now!

Autoliv

Copyright Autoliv Inc., All Rights Reserved

Internal

POWERED BY



Supported by:



CARS
CONFERENCE ON
ASIA ROAD SAFETY 2024

"Safe Journey, Sustainable Future"

2-4 SEPTEMBER
2024

PUTRAJAYA INTERNATIONAL
CONVENTION CENTRE (PICC),
PUTRAJAYA

Saving More Lives

POWERED BY

MIROS
MILWAUKEE INSTITUTE OF ROAD SAFETY RESEARCH
ASEAN ROAD SAFETY CENTRE



PLUS
A member of UEM

Supported by:

RSF
ROAD SAFETY FOUNDATION

VISION ZERO
Safety Health Wellbeing