

Workshop on Motorcyclists Safety: Riding in a Safe System

Motorcycles in the Regions: Latin America

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 - Youth and children safety on motorcycles

Regional facts



Population: 605 millions

- Mexico and Brazil: 330,million

Countries: 19

GDP: US\$ 4.548 billion

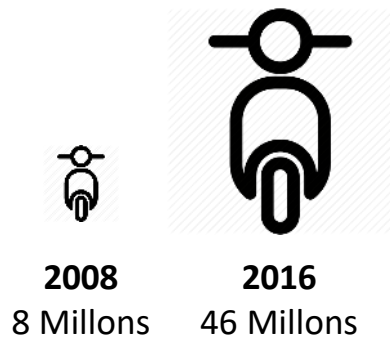
- Countries variation 1.490 – 12.0

Source: IMF, stadistics from each country



Motorcycle fleet in Latin America

Before 2000 the PTW fleet in Latin America was very small.



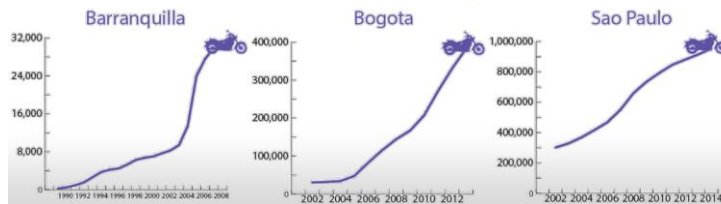
Source: OISEVI and WHO



Countries with more than 35% of their total are PTW:

- Uruguay 55%
- Colombia 57%
- Argentina 44%
- Dominican Republic 55%
- Paraguay 36%

Paraguay 338% growth (2011 – 2019)



Motorcycle fleet in Latin America

THE REASONS FOR THE GROWTH

- Lack or poor public transportation
- High congestion in cities
- Low costs of motorcycles
- Possibility for work
- Door to door transport

Motorcycle use

Family Vehicle



Work



Public
transportation



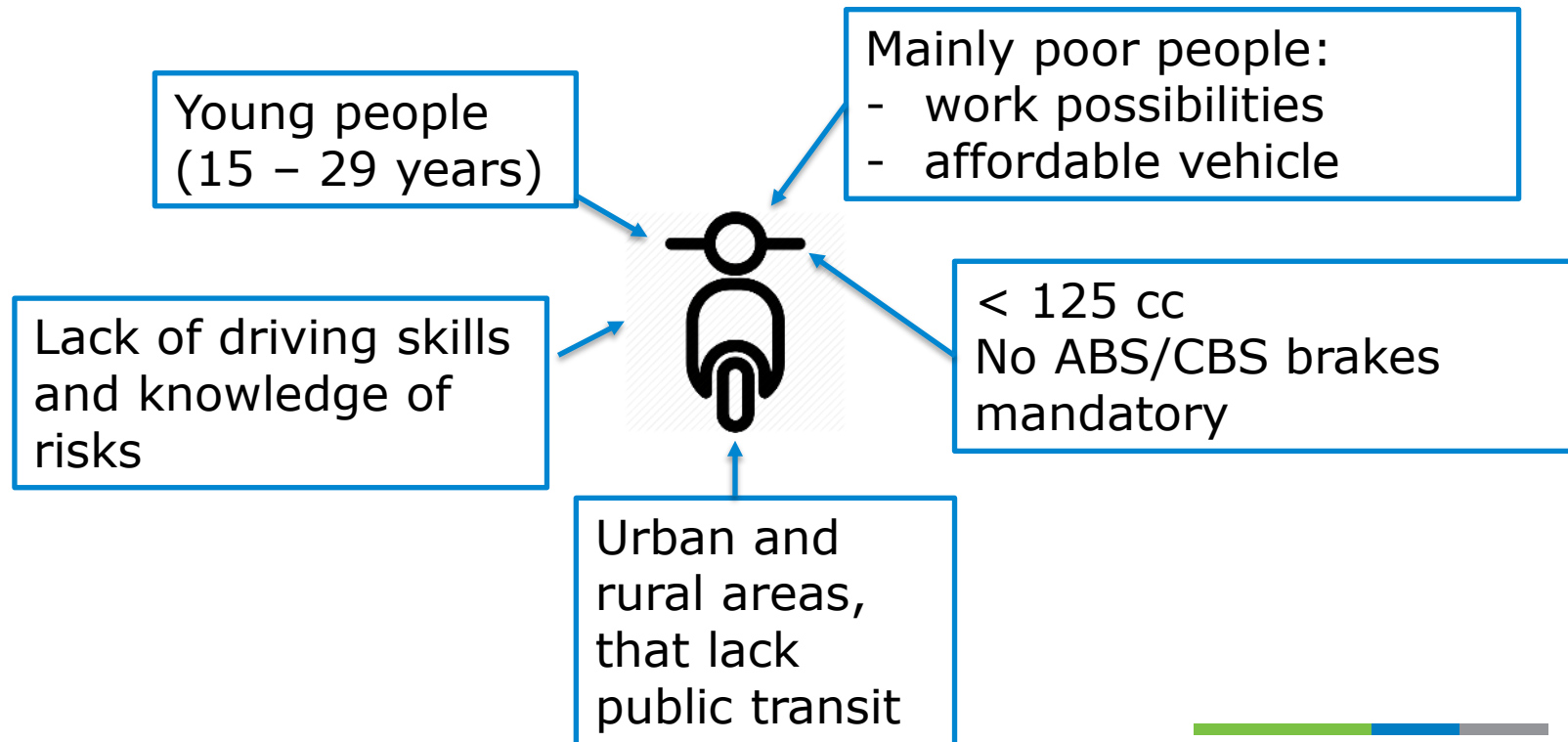
School
bus



Leisure



The use of the motorcycle and the user



Trends for motorcyclists' fatalities in Latin America

Road safety:

- 2010 – 2020 total road fatalities increased
- Motorcyclist highest fatality rate growth (2000 – 2020)
 - Chile: 2 – 14%
 - Costa Rica: 16 – 43%
 - Colombia: 33 – 56%
 - México: 6 – 23%

| COUNTRY | Mc Fatalities vs Total (2020) |
|--------------------|-------------------------------|
| Dominican Republic | 67% |
| Uruguay | 53% (70% injuries) |
| Colombia | 56% |
| Paraguay | 50% |
| Costa Rica | 43% (2021) |

Policy discussions and research in the region



“Good practices guidelines for motorcyclist”, CAF, WB 2015



Regional PTW safety
fórum, OISEVI- CAF
2013

“Methodology to
develop PTW safety
plans”, 2014

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**Trends in fatal motorcycle injuries in the Americas,
1998-2010**

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“The motorcycle in
Latin America”, CAF,
2015

Challenges: Mobility plans, work with PTW



Some of the countries and cities that have PTW safety plans

- Chile
- Argentina
- Costa Rica
- Bogotá
- Buenos Aires



- Regulation of work with motorcycle
- Who hires is responsible for Motorcyclists safety



Regulations to ensure the safety of passenger:

- Hiring motorcyclist
- Delivery in motorcycle
- Moto-taxi
- Other commercial uses

- ✓ Mobility plans including motorcyclist.
- ✓ Road safety plans with motorcyclist chapters.
- ✓ Share the road with other users in a safe way.

Challenges: training and licencing

Training.

- ✓ Training mandatory
- ✓ Motorcycles specialized training centers



Licencing.

- ✓ Practical examinations in close circute and on the open road
- ✓ First year limitations

One of the causes of crashes are lack of driving skills especially braking

In Colombia more than 50% injured in the first 2 years driving.

Challenges: Road infrastructure

- ✓ Introduce **PTW needs** on **infrastructure** planning, design and operation.
- ✓ Train road engineers on motorcyclist needs

Some risks for PTW not for cars



Challenges Technology, vehicle aspects



Motorcycle:

- WP 29 (1998 and 1958 agreement)
- ABS/CBS brakes mandatory
- Automatic headlamp-On (AHO)

Other vehicles, especially trucks

- Blind spots mirror
- Lateral protection (sideguards)

Rider equipment:

- Helmets
- PPE (vest, gloves,)

Idea for additional passengers:

- Vehicle structure-frame
- 3 wheels?



Challenges: Youth and children safety on PTW



**2013 children
between (0 – 14 years
old) died on roads in
Latin America (2018)**
> 600 were on PTW

We have the
responsability to protect
them!!!!



Source: OISEVI

Thank you

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