

Workshop on Motorcyclists Safety: Riding in a Safe System

Motorcycles in the Regions: Latin America

Hilda Maria Gómez. Road safety consultant

June 10, 2021

Content

- Regional facts
- Motorcycle fleet in Latin America
- Motorcycle use and fatalities
- Challenges and areas of attention
 - Mobility plans and work with PTW
 - Training and licensing
 - Road infrastructure
 - Vehicle requirements
 - Youth and children safety on motorcycles



Regional facts



Population: 605 millions
- Mexico and Brazil: 330, million

Countries: 19

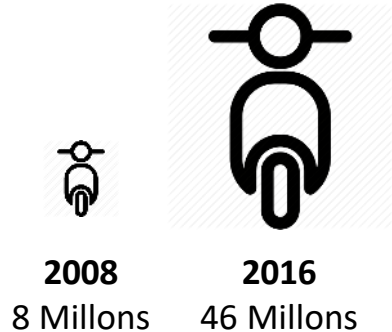
GDP: US\$ 4.548 billion
- Countries variation 1.490 – 12.0

Source: IMF, statistics from each country



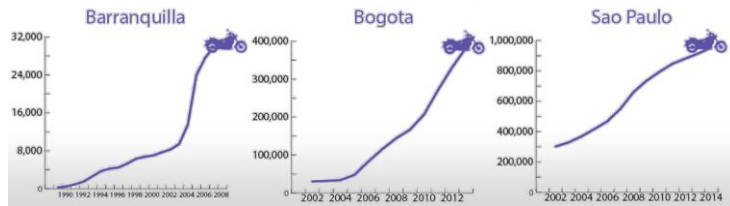
Motorcycle fleet in Latin America

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



- 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



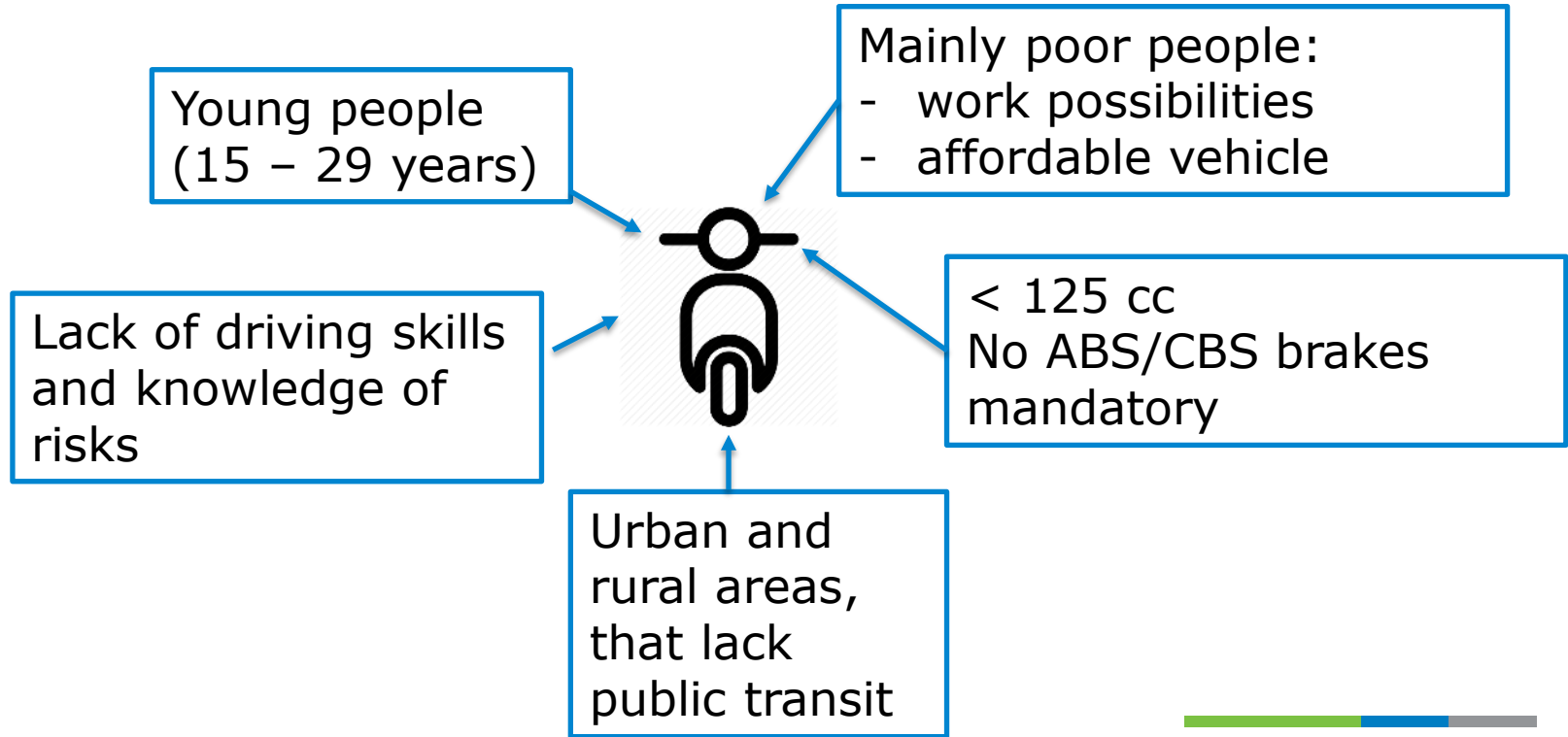
School
bus



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%

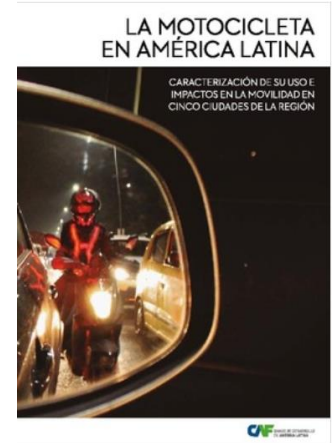
| COUNTRY | Mc Fatalities vs Total (2020) |
|--------------------|-------------------------------|
| Dominican Republic | 67% |
| Uruguay | 53% (70% injuries) |
| Colombia | 56% |
| Paraguay | 50% |
| Costa Rica | 43% (2021) |



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

This article was downloaded by: [186.30.69.223]
On: 16 December 2013, At: 08:55
Publisher: Taylor & Francis
Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



International Journal of Injury Control and Safety Promotion

Publication details, including instructions for authors and subscription information:
<http://www.tandfonline.com/loi/nicj20>

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

Eugénia M.S. Rodrigues^a, Andrés Villaveces^b, Antonio Sanhueza^a & José A. Escamilla-Cejudo^a

^a Pan American Health Organization/World Health Organization, Washington, DC

^b Cisaiva Institute, Universidad del Valle, Cali, Colombia

Published online: 28 May 2013.

To cite this article: Eugénia M.S. Rodrigues, Andrés Villaveces, Antonio Sanhueza & José A. Escamilla-Cejudo, International Journal of Injury Control and Safety Promotion (2013): Trends in fatal motorcycle injuries in the Americas, 1998-2010, International Journal of Injury Control and Safety Promotion, DOI: [10.1080/17457300.2013.792289](https://doi.org/10.1080/17457300.2013.792289)

To link to this article: <http://dx.doi.org/10.1080/17457300.2013.792289>

“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

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

Work with the
Motorcycle



- 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

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

Hildamariag@gmail.com

