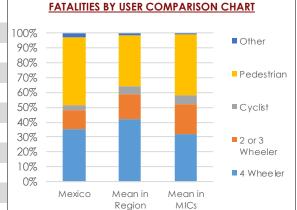
Mexico

THE SCALE OF THE ROAD SAFETY CHALLENGE Ref: 1,2,3,4,5

ROAD CRASH FATALITIES AND INJURIES SNAPSHOT

Country Population, 2016 : 127,540,424
Country Reported Fatalities, 2016 : 16,039
WHO Estimated Fatalities, 2016 : 16,725
GBD Estimated Fatalities, 2016 : 19,676
WHO Est. Fatalities per 100,000 Pop., 2016 : 13.10
GBD Est. Fatalities per 100,000 Pop., 2016 : 15.73
Estimated Serious Injuries, 2016 : 250,875
Cost of Fatalities and Serious Injuries, 2016 : \$ 46.99 billion
Cost as % of country GDP, 2016 : 4.4%



78% Percentage of Road Crash Fatalities and Injuries in the economically productive age groups (15 - 64 years.)

3:1 Ratio of Male to Female Fatalities with the 15 - 49 year age group being most vulnerable to fatalities

847 life yrs.

affected due to disability from road crash injuries per 100,000 people

POSITIONING OF COUNTRY IN THE REGION (COMPARED TO COUNTRIES WITH THE LOWEST TRAFFIC FATALITIES IN THE REGION AND GLOBALLY)

	2016 WHO Estimated Road Fatalities	2016 GBD Estimated Road Fatalities	2016 WHO Estimated Fatality Rate/ 100,000 pop.	2016 GBD Estimated Fatality Rate/ 100,000 pop.	% Trend in Fatality Rate/100,000 (2013 - 2016)	Motorization Registered Vehicles/100,000 population	
Mexico	16,725	19,676	13.1	15.7 -1.4%		31,524	
BEST PERFORMING COUNTRIES IN REGION							
Cuba	975	1,124	8.5	9.9	4.9%	5,519	
Grenada	10	12	9.3	10.6	4.5%	25,407	
BEST PERFORMING COUNTRIES GLOBALLY							
Switzerland	223	334	2.65	3.89	-5.4%	71,182	
Norway	143	215	2.72	4.09	2.4%	75,544	
Singapore	155	197	2.76	3.53	-4.9%	16,604	
Sweden	278	390	2.83	3.88	-3.2%	62,037	

ROAD SAFETY MANAGEMENT Ref: 1

To produce positive road safety outcomes, strong management in all aspects of road safety is key. Presence of a funded lead agency to guide the national road safety effort and implement a Safe Systems approach is recommended.

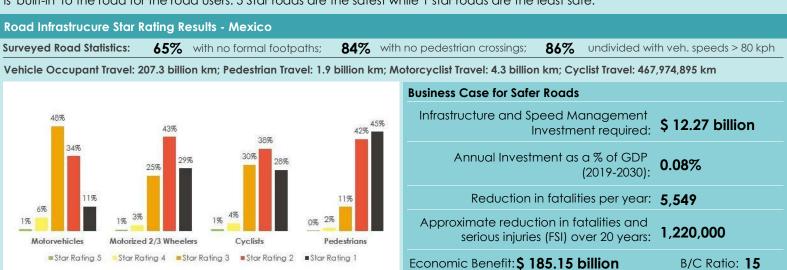
PILLAR

PILLAR

Mexico has a lead agency present, National Council for Accident Prevention through its Secretariat (STCONAPRA), which is funded in the national budget, and has a road safety strategy which is partially funded. The functions of the agency include coordination, legislation and monitoring and evaluation of road safety strategies. The country only has a fatal road safety target, to reduce fatalities by 50% with a timeline of 2011 - 2020.

SAFE ROADS AND ROADSIDES Ref: 1,4

Improved infrastructure provides solid and well understood crash and injury reduction outcomes and are critical for long term and sustainable trauma reduction in line with the Safe Systems Approach. The International Road Safety Assessment Programme (iRAP) provide a business case for safer roads and road star ratings which give a simple and objective measure on the level of safety which is 'built-in' to the road for the road users. 5 Star roads are the safest while 1 star roads are the least safe.



ROAD SAFETY COUNTRY PROFILE

Mexico

SAFE SPEEDS Ref: 1,6,7,8

Speeding is a major risk factor for road crash injuries, contributing to both crash risk and crash consequences. A 5 % cut in average speed can result in a 20 % reduction in the number of fatal road crashes. Effective speed management measures such as establishing and enforcing speed limit laws, traffic calming through roadway design and other measures, and vehicle technology need to be widely implemented.

MAXIMUM SPEED LIMITS AND ENFORCEMENT

		70 km/h	90 km/h	110 km/h	Manual and Automated
NATIONAL SPEED LIMIT LAW Difference with Recommended	NATIONAL SPEED LIMIT LAW	urban roads	rural roads	MOTORWAYS	SPEED ENFORCEMENT
	+ 40 km/h	+ 20 km/h	+ 20 km/h	Potential Decrease in Fatal Road Crashes from	
	Safe Systems Speeds	9 times lower	3 times lower	2 times lower	Enforcement of Safe System Speed Limits

MAJOR SPEED CALMING MEASURES BEING IMPLEMENTED IN MEXICO:

		HORIZONTAL DEFLECTION	BLOCK OR RESTRICT ACCESS
clude lane narrowings by tending sidewalks, curb tensions, pedestrian refuges etc.	Include speed bumps, humps, cushions, tables, raised pedestrian crossing, variation in ride surface etc.	slightly, include chicanes,	Include median diverters, closing streets to create pedestrian zones, cul-de-sacs etc.

SAFE VEHICLES Ref: 1,8

X Incl exte exte

Universal deployment of improved vehicle safety technologies for both passive and active safety through a combination of harmonization of relevant global standards, consumer information schemes and incentives to accelerate the uptake of new technologies will reduce road crash fatalities significantly.

VEHICLE REGISTRATION, STANDARDS AND IMPORT REGULATIONS

t 2	40,205,671	6.5%		COUNTRY COMPLIANCE TO THE UN VEHICLE SAFETY REGULATIONS									
	TOTAL REGISTERED VEHICLES AS OF 2016	MOTORIZED 2/3 WHEELERS AS OF 2016	FRONTAL AND SIDE IMPACT (Reg. 94, 95)		DTORCYCLE ANTI-LOCK ING SYSTEM (Reg. 78)	×	PEDESTRIAN PROTECTION (Reg. 127)	×	ELECTRONIC STABILITY CONTROL (Reg. 140)	X		lts and Drages g. 16, 14)	×
		Regulated		5 Yrs.	×	I	No	×	No		×	No	
	REGULATION OF IM	PORT OF USED VE	HICLES IMP	ORT AGE LIM	IT TAXAT	ION BA	ASED LIMITS	IMP	ORT INSPECTION	S F	PERIODIC	C INSPECTIO	NC

REGULATION OF IMPORT OF USED VEHICLES

SAFE ROAD USERS Ref: 1,8

The key behavioral risk factors for road crash injuries are drunk driving, non-use of helmets, seat-belts or child restraint, and speeding. Establishing and enforcing laws to address these risk factors is effective in reducing road crash fatalities and their associated injuries. NATIONAL SEATBELT, DRINK DRIVING AND HELMET LAWS (WHO, 2018)



Good post-crash care reduces deaths and reduces disability and suffering for road crash survivors. The emergency medical care system elements and processes need to be effective to attain this objective.

COUNTRY HEALTH

76

EXPENDITURE ON

5%

GDP

HEALTHCARE AS % OF

National, Single Number National COVERAGE INDEX - SDG NATIONAL EMERGENCY CARE ACCESS NUMBER TRAUMA REGISTRY SYSTEM Target 3.8; Target - 100 Mexico has a single emergency number. This is 911.

REFERENCES

1. Global Status Report on Road Safety 2018. World Health Organization; 2. Institute for Health Metrics and Evaluation (IHME). GBD Results Tool. Seattle, WA: IHME, University of Washington, 2015; 3. Serious injuries have been calculated assuming a ratio of 15:1 (15 serious injuries for every death). This estimation broadly falls in the range of 30:1 in high income countries to 10:1 in low- and middle-income countries as crashes tend to be more fatal in the later context. 4. Vaccines for Roads, International Road Assessment Programme (iRAP). Available from https://www.vaccinesforroads.org/; 5. World Bank Databank for Development Indicators; 6. M.H. Cameron, R. Elvik. 2010. Nilsson's Power Model connecting speed and road trauma; 7. Austroads. Balance between harm reduction and mobility in setting speed limits; 8. UNEP-ITC Background Paper on Used Vehicles Globally and Various Media Sources (Wikipedia and vehicle import websites); 9. 2018 World Health Statistics, WHO.