



## **Global Road Safety Performance Targets**











NEW ROADS & STREETS



Target 3: By 2030, all new roads achieve technical standards for all road users that take into account road safety, or meet a three star rating or better.

**EXISTING ROADS & STREETS** 



Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.





World Health Organization

DECADE OF ACTION FOR ROAD SAFETY



## **Global Star Rating Performance**

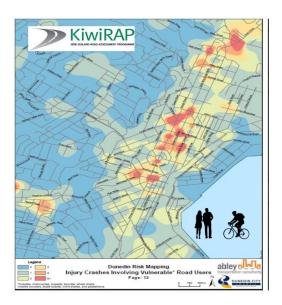






#### The iRAP Global Standard in Urban Areas

#### **Global Risk Mapping**



**KiwiRAP Risk Maps** 



EuroRAP Risk Mapping Results UK

#### **Global Star Rating in Cities**

## How does my city compare to others?

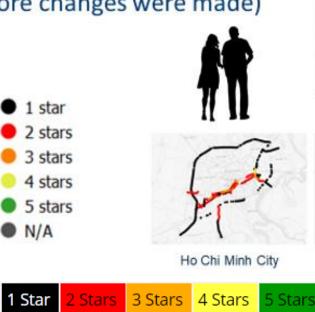
**Pedestrian Star Ratings** (before changes were made)

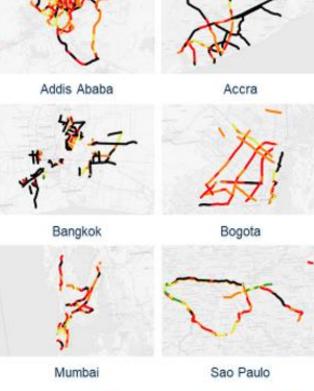
1 star

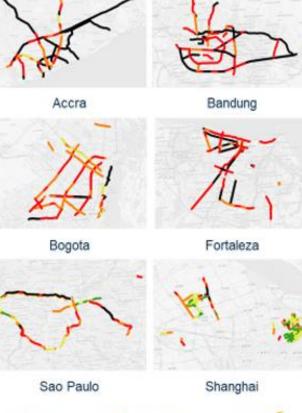
2 stars 3 stars 4 stars

5 stars

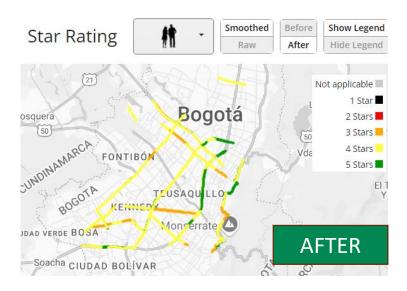
N/A







#### Show Legend Smoothed Before Star Rating After Hide Legend Not applicable 1 Star Bogotá 2 Stars losquera (50) 3 Stars 4 Stars FONTIBÓ 5 Stars EIT **BEFORE** CP Soacha CIUDAD BOLÍVAR

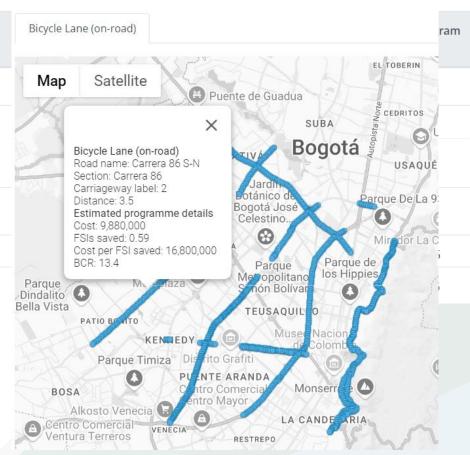


#### iRAP Safer Road Investment Plans

**Estimated Cost** 

184,000,000

	Total FSIs Saved	Total PV of Safety Benefits			
	25,000	1,480,000,00			
	Countermeasure	↑↓	Length / Sites	↑↓	В
	Bicycle Lane (on-road)		80.8 km		A.
	Material Traffic calming		118.3 km	18.3 km	
	Footpath provision passenger side (>3m from road)		11.6 km		
	Side road signalised pedestrian crossing		184 sites		
	Signalised crossing		317 sites		
	Munsignalised raised cros	ssing	182 sites		Pa Din Bell



Cost per FSI saved

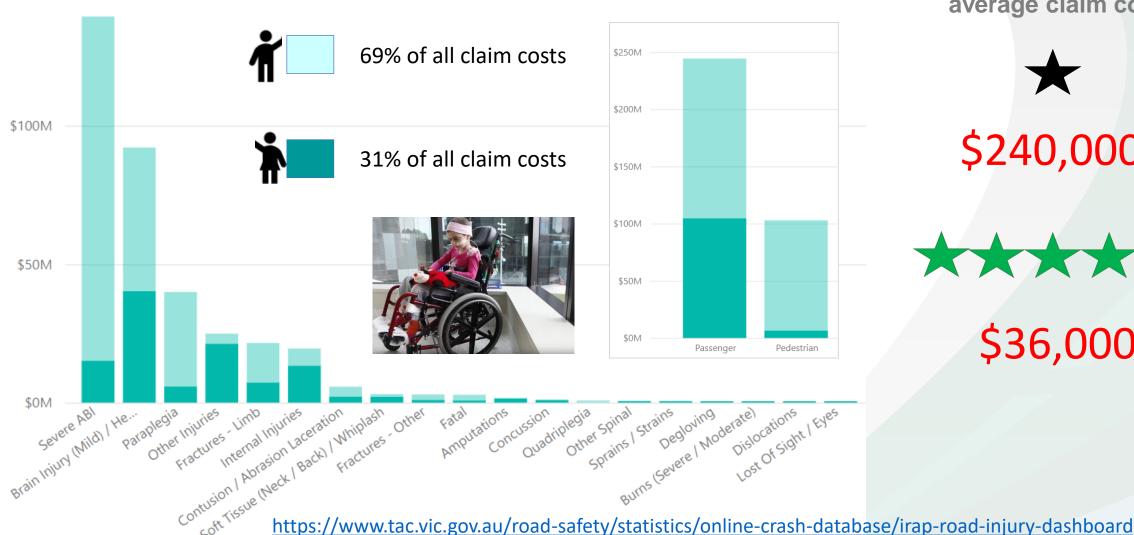
7,340

**Program BCR** 

8.04

#### The cost to our kids and communities





All Pedestrians average claim cost



\$240,000



\$36,000



### **Star Ratings for every road user**



#### **Creating 5-Star Liveable Cities for All**



https://globaldesigningcities.org/2020/09/29/star-rating-your-street-plans-with-irap-and-the-global-street-design-guide/





## Innovation: Including our kids

https://www.starratingforschools.org/





# ST\*R RATING























Young people's voices at the heart of the design



#### **CycleRAP**

iRAP

https://irap.org/innovation/







V-B

Conflicts between bicycles and/or light mobility Conflicts with vehicles

12.38

0.00



Conflicts with pedestrians

12.38



24.76



49.51

Extreme risk





https://irap.org/cyclerap/



#### DAR ES SALAAM BUS RAPID TRANSIT, TANZANIA



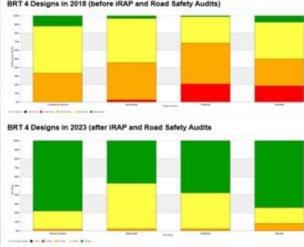






- Tanzania National Roads Agency (TANROADS), Dar Rapid Transit Agency (DART) and World Bank are developing Bus Rapid Transit (BRT) corridors in Dar es Salaam, Tanzania.
- Safe designs and speeds prioritized and informed by iRAP assessments.





900,000 daily commuters

Trip time from 3 hours to 45 mins\*

Deaths down 79% (33 to 7)\*

3-stars or better for all road users\*\*

• Phase 1 •• Phases 3,4







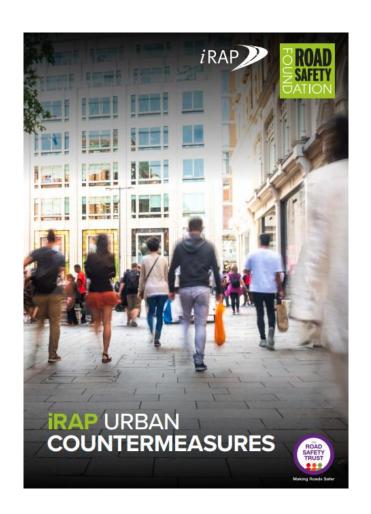




#### **Urban Countermeasures**

Planning, Investment & Design





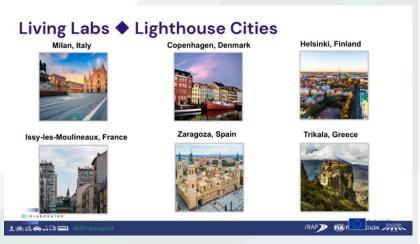


https://phoebe-project.eu/



https://www.elaborator-project.eu/







### **Celebrating Star Rating Results**



#### **Ribbon Cutting Safer City Streets**





## For more information

## Rob McInerney

CEO, iRAP

- rob.mcinerney@irap.org
- **C** +61 405 49 3030
- @irapsavinglives
- f iRAPfb
- in <u>linkedin.com/in/rob-mcinerney-48b4b218</u> www.linkedin.com/company/iRAP

https://www.irap.org/

https://vida.irap.org/

https://www.starratingforschools.org/

https://irap.org/cyclerap/

