





# **Pedestrians First**

Tools for a Walkable City

pedestriansfirst.itdp.org

#### **Icebreaker activity:**

What's your favorite walkable place? What makes it walkable? Tell us in the Zoom chat!

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### **Today's Webinar**

- 1. Why walking matters
- 2. What is walkability?
- 3. How to use Pedestrians First







Cars + cities = traffic jams





People take up less space than cars





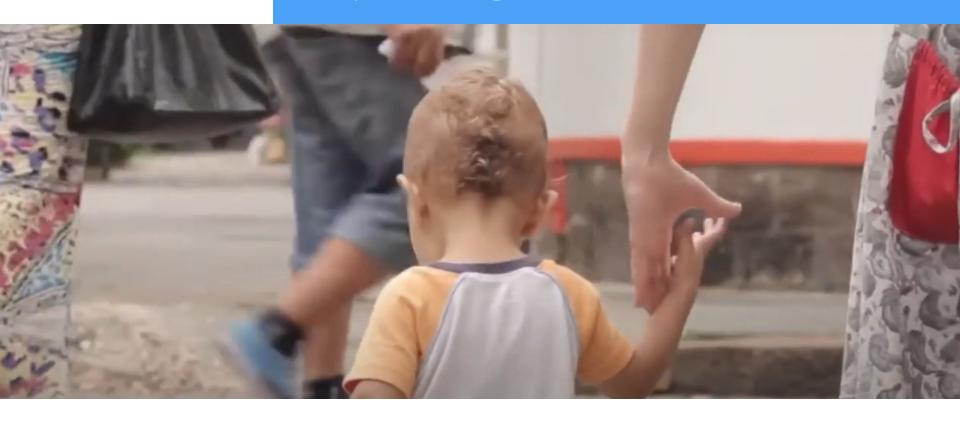
Walking lets people get places





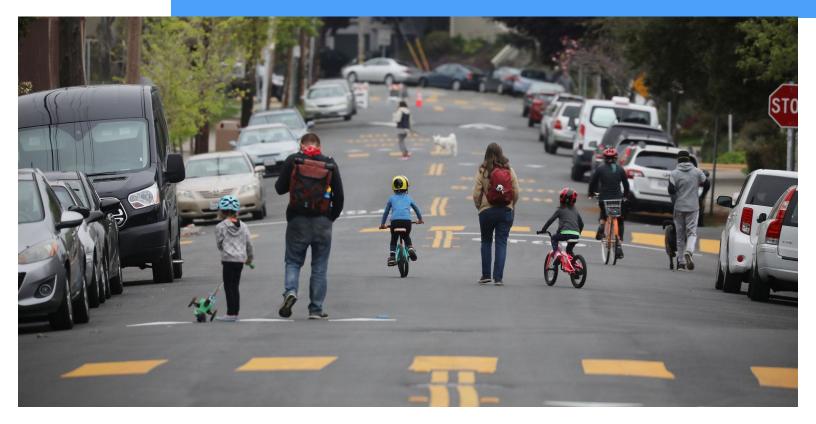
Equity, Resilience, Environment, Economy, Health, Society





Cities for Babies Benefit Everyone





COVID-19 response





COVID-19 recovery + future resiliency



See the research for yourself:

<u>pedestriansfirst.itdp.org/about</u> <u>pedestriansfirst.itdp.org/related-publications</u>



### **Today's Webinar**

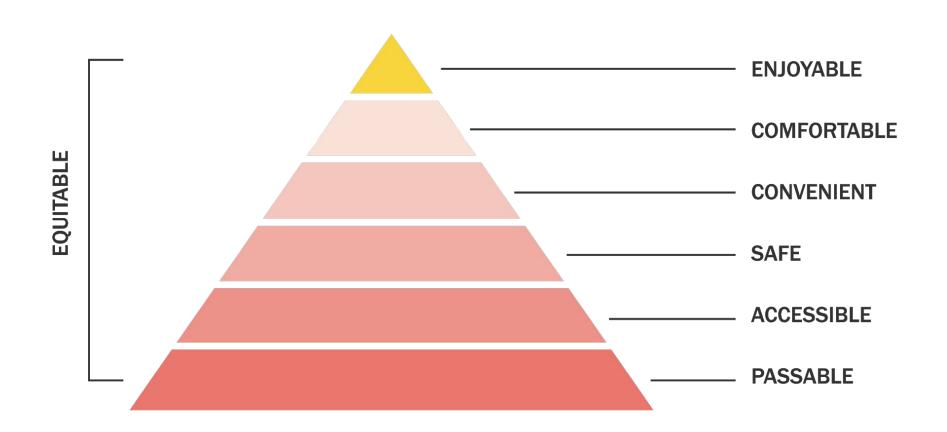
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#### **New Jersey:**

Footpath:

- -Clear
- -Wide
- -Maintained Unsafe crossing No destinations No people walking

Is this walkable?





#### **Addis Ababa:**

Blocked footpath Unsafe street Many destinations Many people walking

Is this walkable?





#### Jakarta:

Dense neighborhoods Quiet, narrow streets Highways cutting neighborhoods off from each other

Is this walkable?





#### **Walkability:**

- Street
- Neighborhood
- Transit
- City



#### Why another walkability tool?

#### There are already many tools:

#### **Walkability Evaluation Tools**

- ITDP Brazil (2020). Mobilidados. [Portuguese]
- ITDP. (2018). Índice de Caminhabilidade Ferramenta 2.0 [Portuguese: Walkability Index Tool 2.0]
- . ITDP. (2017). TOD Standard. Third edition.
- ITDP. (2017). Pedestrians First: Tools for a Walkable City. First edition.
- Collectiu Punt 6. (2015). Women Working: An Urban Assessment Guide from a Gender Perspective.
- Duncan et al. (2011). Validation of Walk Score® for Estimating Neighborhood Walkability: An Analysis of Four US Metropolitan Areas.
- · Centers for Disease Control. (2010). Healthier Worksite Initiative: Walkability Audit Tool.
- Krambeck, Holly, World Bank. (2006). Global Walkability Index.



#### Why another walkability tool?

#### Pedestrians First is:

Global • Multipurpose • User-friendly • Action-oriented



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## **Quick stretch break:-)**





### **Today's Webinar**

Pedestrians First is a **toolkit** that anyone can use





#### **Walkability:**

- Street
- Neighborhood
- Transit
- City



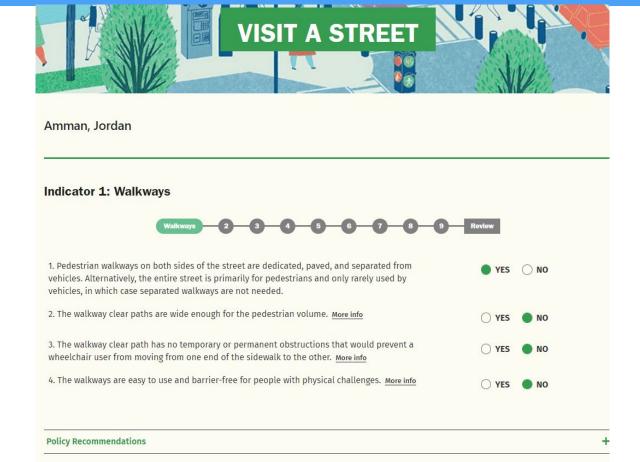
Pedestrians First measures walkability for babies, toddlers, their caregivers, and everyone in cities.





#### **Walkability:**

- **Street**Checklist of
  walkability features
  for a single street
  - Neighborhood
  - Transit
  - City







Amman, Jordan

#### Indicator 1: Walkways



- 1. Pedestrian walkways on both sides of the street are dedicated, paved, and separated from vehicles. Alternatively, the entire street is primarily for pedestrians and only rarely used by vehicles, in which case separated walkways are not needed.
- 2. The walkway clear paths are wide enough for the pedestrian volume. More info
- 3. The walkway clear path has no temporary or permanent obstructions that would prevent a wheelchair user from moving from one end of the sidewalk to the other. More info
- 4. The walkways are easy to use and barrier-free for people with physical challenges. More info

- YES ONO
- YES NO
- YES N
- YES NO



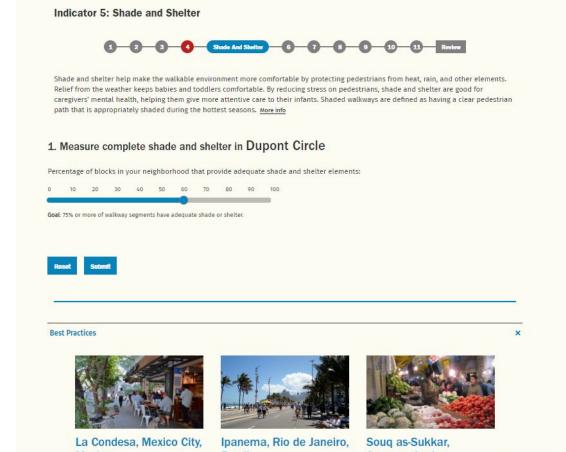


#### **Walkability:**

- Street
- Neighborhood

Self-survey of walkability indicators

- Transit
- City





#### **Walkability:**

- Street
- Neighborhood
- Transit
  Self-survey of inclusivity indicators
- City

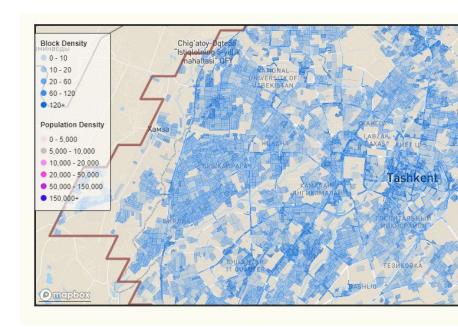




#### **Walkability:**

- Street
- Neighborhood
- Transit
- City

Database of five walkability indicators and maps in 1,000 cities





#### **Walkability:**

- Street
- Neighborhood
- Transit
- City
  Database of five
  walkability
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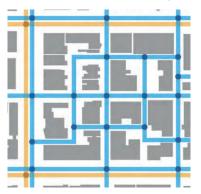
#### 1: People Near Services



#### 2: People Near Transit



3: Block Density



4: Pop. Density

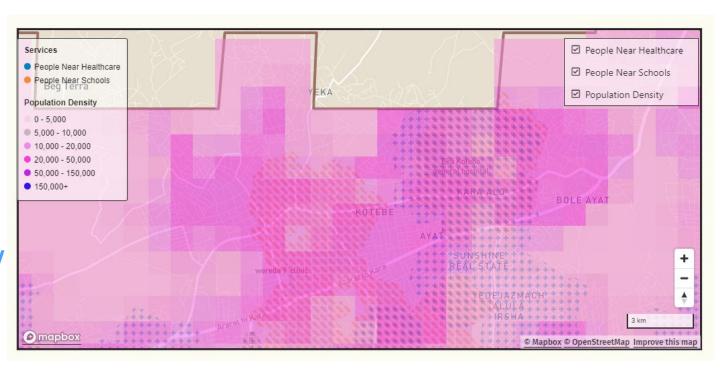


**5: Car-Free Places** 





Explore: zoom in on parts of a city

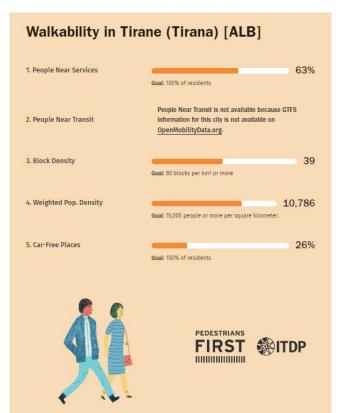


People Near Services and Population Density in northeastern Addis Ababa



#### Compare: Contrast results between cities







Analyze: Download the maps and use them yourself



#### Share this





You can download the maps of these indicators ( Washington, D.C. [USA] ) he data is stored as .geojson files, which can be converted to other formats through a variety of tools, including mapshaper, was now out and a database of cities and their indicator measurements (.csv).

The indicators are also limited by incomplete, occasionally inaccurate data from open sources, which often privileges wealthier cities that have more accurate data. Fortunately, you can help Contribute Data.

We'd love to hear from you. With your feedback, we can make Pedestrians First even better. If you're using this tool for walkability planning in your city, let us know about your project. If you have any questions, comments, or criticism, we'll try to address them. Contact us.



#### The very technical slide!

## **Population density**

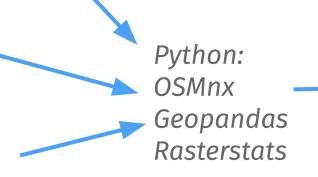
(Global Human Settlement Layer)

#### **GTFS (transit)**

(OpenMobilityData.org)

#### **OpenStreetMap**

city streets city amenities (schools, healthcare, car-free areas)









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### **How will you use Pedestrians First?**

#### Let us know in the chat!

- ???
- ???
- ???





# Questions?

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# Thank you!

I'll be sticking around for a few minutes to answer any questions you still have, or show you a demo if you want :-)

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