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**TRB** TRANSPORTATION RESEARCH BOARD

# TRB Webinar: Geospatial Equity Solutions

*June 25, 2024*

*2:00 – 3:30 PM*



# PDH Certification Information

1.5 Professional Development Hours (PDH) – see follow-up email

You must attend the entire webinar.

Questions? Contact Andie Pitchford at [TRBwebinar@nas.edu](mailto:TRBwebinar@nas.edu)

*The Transportation Research Board has met the standards and requirements of the Registered Continuing Education Program. Credit earned on completion of this program will be reported to RCEP at RCEP.net. A certificate of completion will be issued to each participant. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the RCEP.*



# AICP Credit Information

1.5 American Institute of Certified Planners Certification  
Maintenance Credits

You must attend the entire webinar

Log into the American Planning Association website to claim your  
credits

Contact AICP, not TRB, with questions

# Purpose Statement

This webinar will illuminate the crucial role of geospatial data in comprehending, evaluating, and visualizing equity within transportation systems. Presenters will share insights into leveraging advanced mapping technologies to identify disparities, promote inclusive urban planning, and foster sustainable mobility solutions for diverse communities.

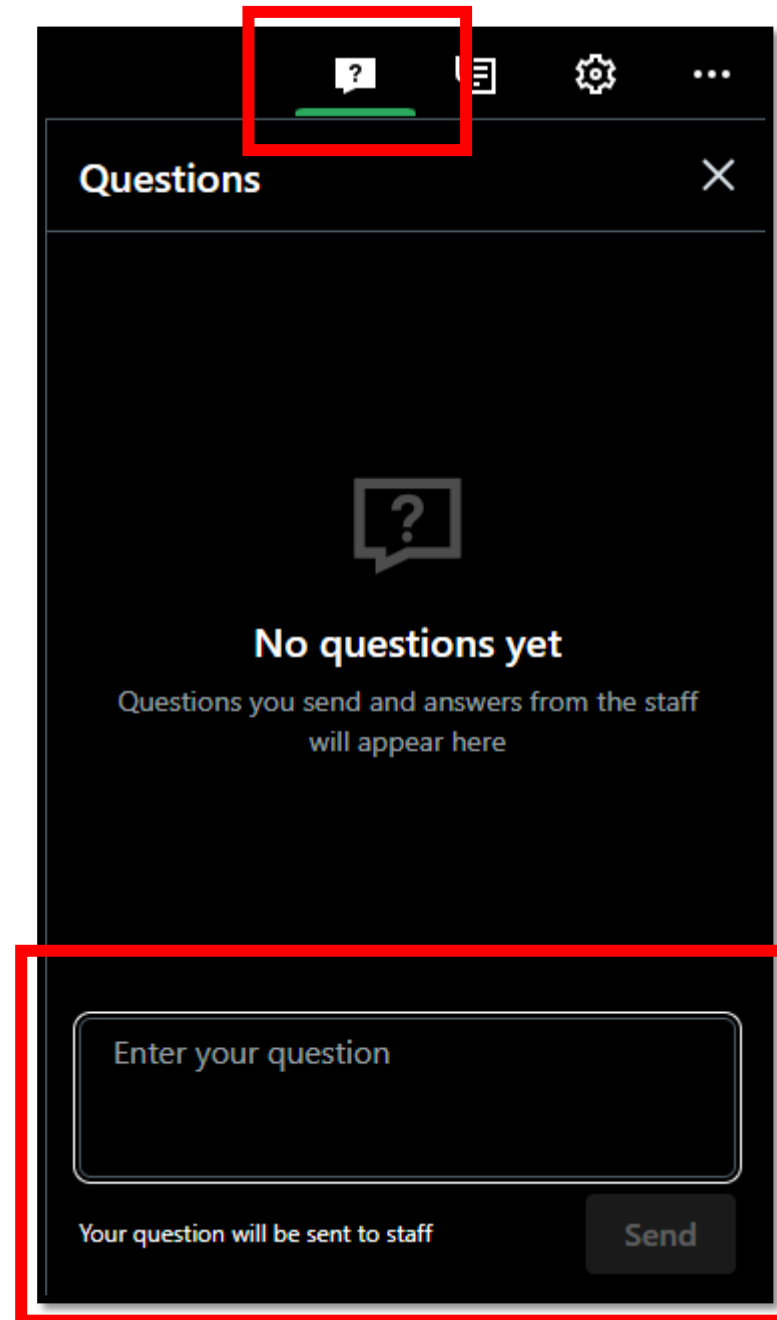
# Learning Objectives

At the end of this webinar, you will be able to:

- Discuss how transportation equity can be approached using GIS
- Demonstrate how GIS is used to improve equitable representation in collaborative governance efforts
- Demonstrate GIS tools the USDOT uses to understand and assess transportation equity

# Questions and Answers

- Please type your questions into your webinar control panel
- We will read your questions out loud, and answer as many as time allows



# Today's moderators



Daniela Waltersdorfer  
[dwaltersdorfer@HNTB.com](mailto:dwaltersdorfer@HNTB.com)  
*HNTB*

Derald Dudley  
[derald.dudley@dot.gov](mailto:derald.dudley@dot.gov)  
*U.S. Department of Transportation*

# Introduction



Diana Mendes  
*U.S. Department of Transportation*

# Today's presenters

Mir Ali

[miruali@umbc.edu](mailto:miruali@umbc.edu)

*University of Maryland*

Ellie Wilder

[ewilder@hntb.com](mailto:ewilder@hntb.com)

*HNTB*

Jay Davis

[jay.davis@dot.gov](mailto:jay.davis@dot.gov)

*U.S. Department of Transportation*





June 25, 2024

An illustration of a train station platform. A train with the number "15" is visible on the left. People are shown walking, standing, and sitting on the platform. Some are using mobile devices. The scene is set in a modern, brightly lit station environment.

# Overview of Intersections

## Transportation Data + Equity Hub



# About the Hub

# Mission

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**Intersections: Equity + Data Hub** provides tools, metrics and data to analyze communities' access to the transportation they need, and the challenges they face. On the hub you can leverage USDOT data to better understand causes, effects, and impacts.

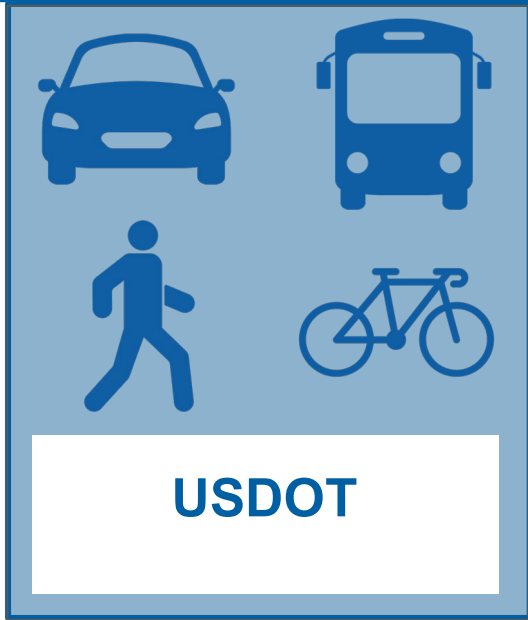
**<https://equity-data.dot.gov/>**

# User Groups

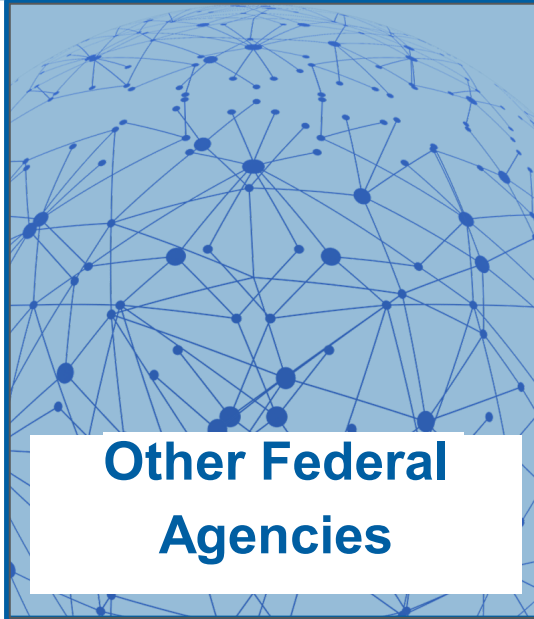
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# Data



Mode choice and access,  
infrastructure condition,  
safety, system mapping



Environment, health,  
social vulnerability, housing



Race / ethnicity, language,  
age, disability,  
socioeconomic

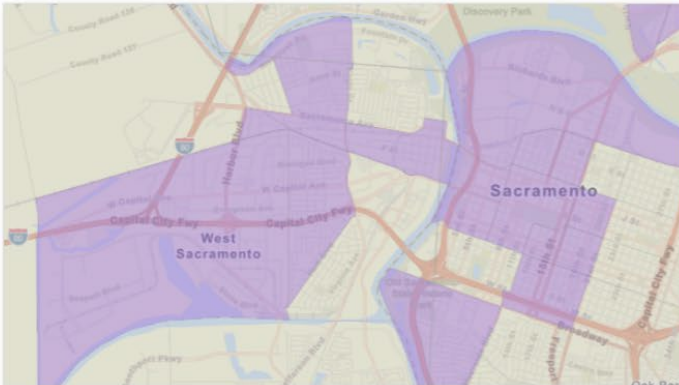
# Exploring the Data

- Curated **data catalogs** on ArcGIS Online and Socrata
- **Variable Explorer** to search for specific fields
- **Data Updates** to learn about new and improved datasets
- **How To** section that shows users how to use free ArcGIS Online and Socrata mapping and visualization tools



# Tools, Maps & Apps

## Listing of equity-related tools and apps built by USDOT



### [Equitable Transportation Community Explorer](#)

Explore the burden communities experience as a result of underinvestment in transportation.

Explore



### [ADA Transition Plan & Inventory Map](#)

Find the status and learn about Americans with Disabilities Act transition plans in every state.

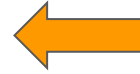
Explore

# We want your feedback!

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Got questions or feedback?



**The comment box is always open.**

Comments with contact info will receive responses.



# Questions?



# Thank you!



[jay.davis@dot.gov](mailto:jay.davis@dot.gov)

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*U.S. Department of Transportation*

# Upcoming events for you

**July 8, 2024**

TRB Webinar: Improving Data Sharing in Disaster Response with Geospatial Data and AI

**July 15-18, 2024**

TRB's 2nd Conference on Advancing Transportation Equity

[https://www.nationalacademies.org/trb/  
events](https://www.nationalacademies.org/trb/events)

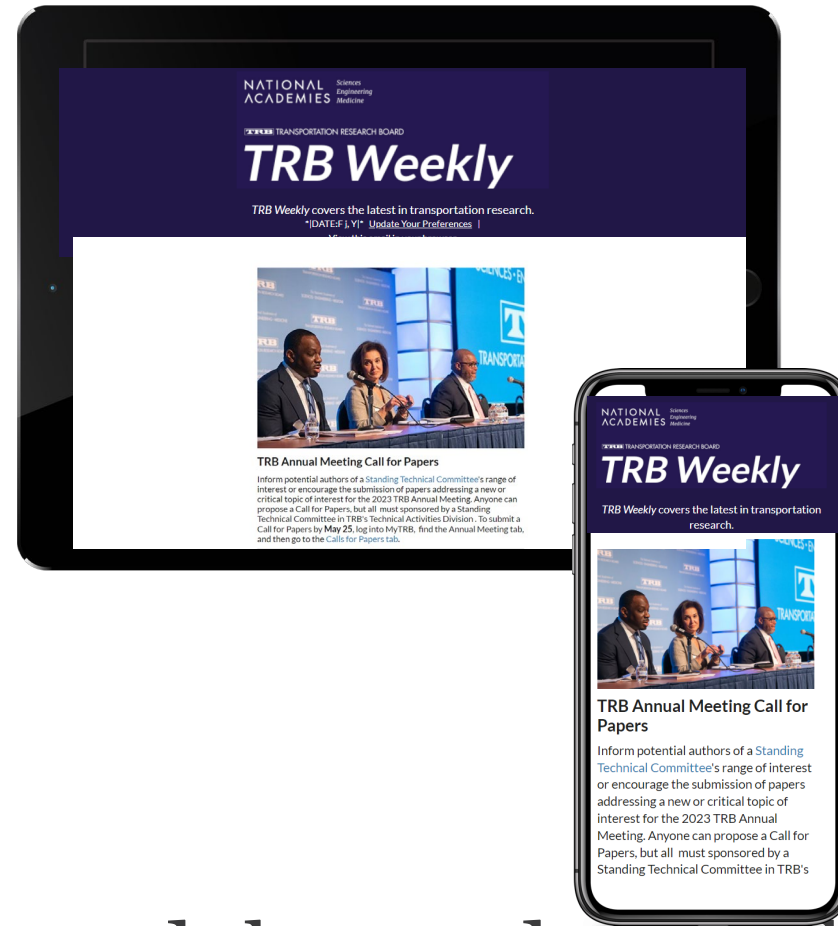


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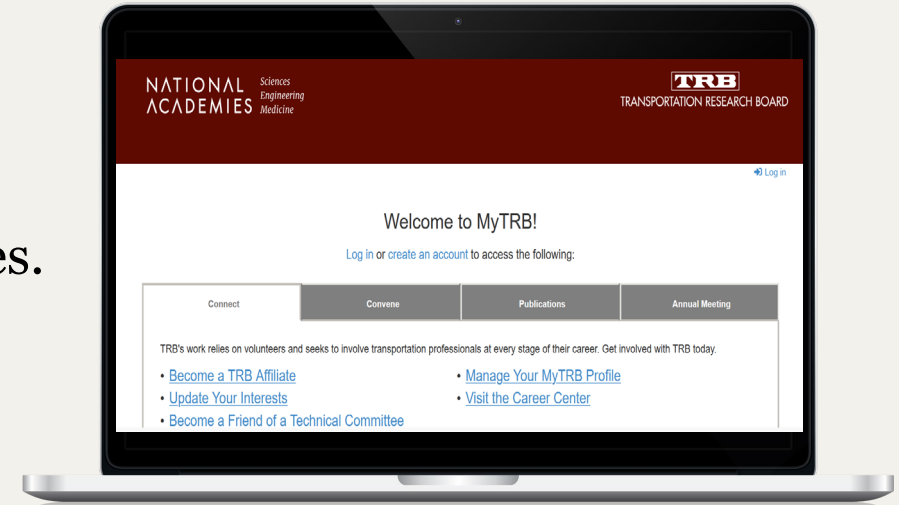


# Get involved

TRB mobilizes expertise, experience, and knowledge to anticipate and solve complex transportation-related challenges.

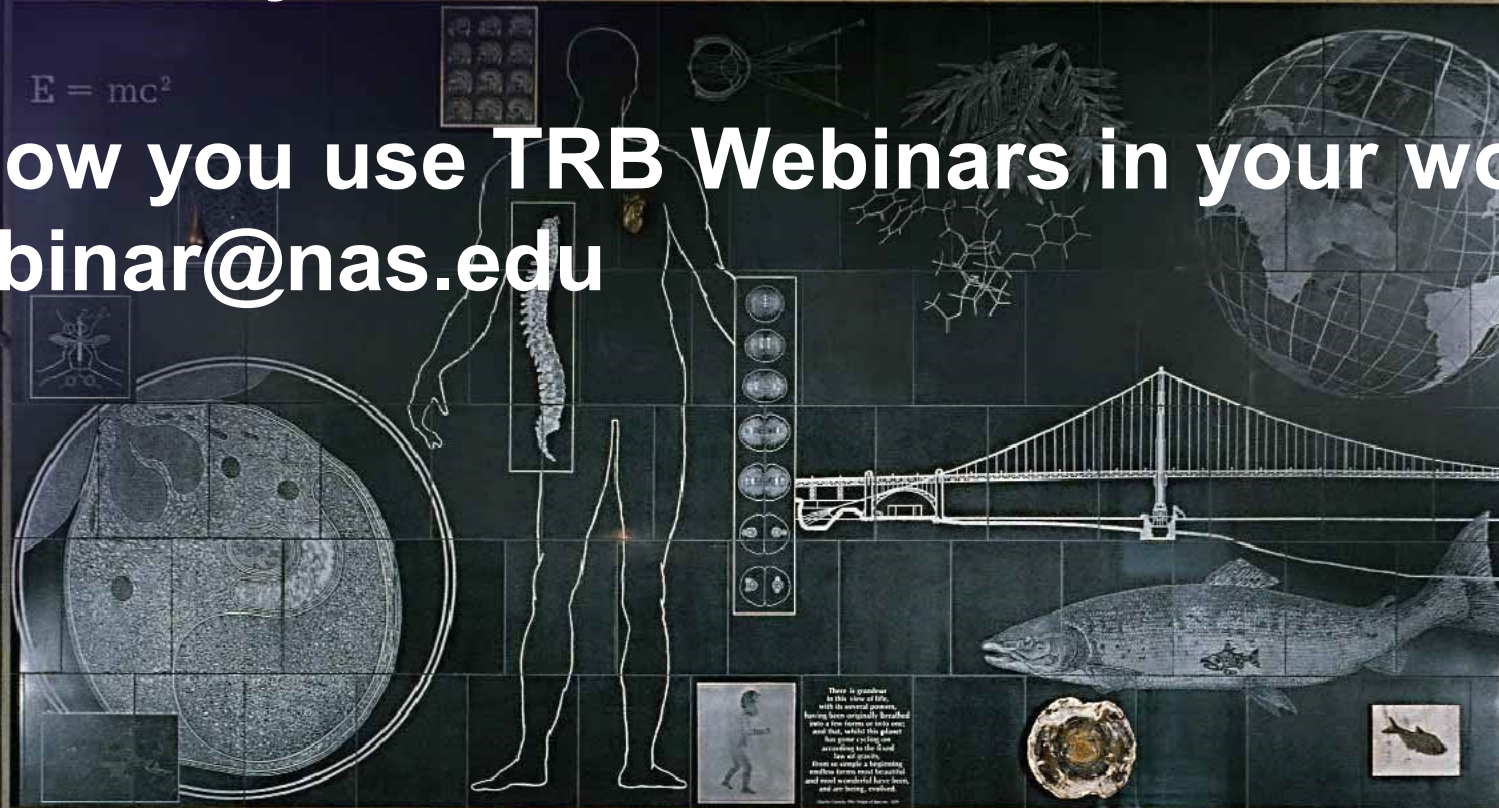
TRB's mission is accomplished through the hard work and dedication of more than **8,000 volunteers**.

<https://www.nationalacademies.org/trb/get-involved>



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