TRB Snap Search: Social Equity & Underserved Populations

TRB’s involvement in research on Social Equity & Underserved Populations from 2020-2024

The Transportation Research Board (TRB) provides innovative, research-based solutions to improve how we move. TRB is part of the National Academies of Sciences, Engineering, and Medicine, an independent, non-profit institution that provides objective advice on scientific, engineering, and medical issues.

A resource to the nation and to the transportation community worldwide, TRB provides an extensive portfolio of services:

- Opportunities for information exchange on current transportation research and practice
- Management of cooperative research and other research programs
- Analyses of national transportation policy issues and guidance on federal and other research programs
- Publications and access to research information from around the world

All available Snap Searches can be accessed online here: http://www.trb.org/InformationServices/Snap.aspx

TRB Research

TRID – The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation

- Click here to view search results on TRB published research on Social Equity & Underserved Populations within the past three years.

Specialty Report

- Critical Issues in Transportation for 2024 and Beyond
- Critical Issues in Transportation 2019
- COVID-19 Addendum to Critical Issues in Transportation
- Racial Equity Addendum to Critical Issues in Transportation

Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Report 261 - Advanced Air Mobility and Community Outreach: A Primer for Successful Stakeholder Engagement
  - Report 254 - Strategies to Address Homelessness at Airports
  - Report 241 - Toward a Touchless Airport Journey
  - Report 239 - Assessing Airport Programs for Travelers with Disabilities and Older Adults
  - Report 221 - Measuring Quality of Life in Communities Surrounding Airports
  - Report 217 - Guidance for Diversity in Airport Business Contracting and Workforce Programs
  - Report 210 - Innovative Solutions to Facilitate Accessibility for Airport Travelers with Disabilities
  - Transportation Insights 1 - Systemic Inequality in the Airport Industry: Exploring the Racial Divide
  - WebResource 14 - Tools to Assess Airport Programs for Travelers with Disabilities and Older Adults

- Behavior Traffic Safety Cooperative Research Program (BTSCRIP)
  - Report 4 - Promoting Older Driver Safety: Guide for State Practices
  - Web-Only Document 6 - Communicating Safe Behavior Practices to Vulnerable Road Users
  - Web-Only Document 4 - Highway Safety Behavioral Strategies for Rural Areas

- Consensus Studies
  - Elevating Equity in Transportation Decision Making: Recommendations for Federal Competitive Grant Programs

- National Cooperative Highway Research Program (NCHRP)
  - NCHRP 20-65/Task 81 - Best Practices in Rural Service Assessment
  - NCHRP 20-113F - Topical White Papers for the TRB Forum on Automated Vehicles and Shared Mobility
  - NCHRP Synthesis 20-05/Topic 53-01 - Practices to Promote Equity in Transportation Funding

Updated 4/22/2024
• **Legal Research Digest 87** - Encampments of Unhoused Individuals in Transportation Rights-of-Way: Laws and State DOT Practices
• **Legal Research Digest 77** - Update of Selected Studies in Transportation Law, Volume 8, Section 1: Civil Rights and Transportation Agencies
• **Legal Research Digest 58** - Policing and Public Transportation
• **Report 1101** - Transformational Technologies and Mobility Inclusion Playbook
• **Report 1087** - Guide for Intersection Control Evaluation
• **Report 1059** - Access to Jobs, Economic Opportunities, and Education in Rural Areas
• **Report 1036** - Guide for Roadway Cross Section Reallocation
• **Report 988** - Rural Transportation Issues: Research Roadmap
• **Report 932** - A Research Roadmap for Transportation and Public Health
• **Report 618** - Advancing Gender Equity in the DOT Workforce
• **Research Results Digest 403** – Program Management Insights for the Section 5310 Program, Including Subrecipent Consolidation and Urban 5310
• **Synthesis 559** - Emerging Challenges to Priced Managed Lanes
• **Web-Only Document 346** - Programmatic Issues of Future System Performance
• **Web-Only Document 281** - Integrating Tribal Expertise into Processes to Identify, Evaluate, and Record Cultural Resources

• **Special Reports**
  • **Report 341** - Technical Feasibility of a Wheelchair Securement Concept for Airline Travel: A Preliminary Assessment
  • **Report 337** - The Role of Transit, Shared Modes, and Public Policy in the New Mobility Landscape

• **Transit Cooperative Research Program (TCRP)**
  • **IDEA Report 100** - TrainMate Robotic System: Making Public Transportation, Public!
  • **IDEA Report 98** - Safety Assessment of the Interaction Between the Autonomous Shuttle Bus and Vulnerable Road Users
  • **IDEA Report 97** - Open Platform to Attract, Organize, and Coordinate Volunteers for Rural and Small Urban Transit
  • **Report 248** - Tactile Wayfinding in Transportation Settings for Travelers Who Are Blind or Visually Impaired
  • **Report 243** - Transportation for People with Disabilities and Older Adults During COVID-19: Lessons for Emergency Response
  • **Report 241** - Inclusive Virtual Public Involvement for Public Transit
  • **Report 239** – Provision of Alternative Services by Transit Agencies: The Intersection of Regulation and Program
  • **Report 228** - Resource Guide for Improving Diversity and Inclusion Programs for the Public Transportation Industry
  • **Report 223** - Guidebook and Research Plan to Help Communities Improve Transportation to Health Care Services
  • **Report 214** - Equity Analysis in Regional Transportation Planning Processes, Volume 1: Guide
  • **Report 214** - Equity Analysis in Regional Transportation Planning Processes, Volume 2: Research Overview
  • **Research Results Digest 115** - Use of Agency Service Agreements in ADA Paratransit Delivery
  • **Synthesis 597** - Micromobility Policies, Permits, and Practices
  • **Synthesis 174** - Paratransit Fleet Configurations
  • **Synthesis 170** - Inclusive Public Participation in Transit Decision-Making
  • **Synthesis 169** - Pedestrian and Bicycle Safety in Bus Rapid Transit and High-Priority Bus Corridors
  • **Synthesis 168** - Continuous Dynamic Optimization: Impacts on ADA Paratransit Services
  • **Synthesis 167** - Partnerships for Equitable Pandemic Response and Recovery
  • **Synthesis 163** - Considering the Unbanked in Cashless Fare Payment at Point of Service for Bus/Demand-Response Services
  • **Synthesis 162** - Coordination of Public Transit Services and Investments with Affordable Housing Policies
  • **Synthesis 160** - Fare Capping: Balancing Revenue and Equity Impacts
  • **Synthesis 159** - Assessing Equity and Identifying Impacts Associated with Bus Network Redesigns
  • **Synthesis 152** - Transit Agency Relationships and Initiatives to Improve Bus Stops and Pedestrian Access
  • **Synthesis 147** - Attracting, Retaining, and Advancing Women in Transit

• **Transportation Research Circulars**
  • **E-C283** - 13th International Conference on Low-Volume Roads
  • **E-C281** - Advancing Transportation Equity: Conference Summary and Action Brief
  • **E-C277** - 13th National Conference on Transportation Asset Management
Opportunities for Research on Transportation and Equity

Insights, Inclusion, and Impact: Framing the Future for Women in Transportation

Summary of Transportation Research Needs Related to COVID-19

TRANSED 2018: International Conference on Mobility and Transport for Older Adults and People with Disabilities

Recently Completed/Pending Publication

- ACRP 02-99 - Incorporating Environmental Justice and Equity Principles and Data into Airport Decision-Making
- NCHRP 20-65 / Task 78 - Impact of Decline in Volunteerism on Rural Transit Systems
- TCRP J-11 / Task 42 - Transportation Services for People with Disabilities and Older Adults during a Pandemic and Other Emergencies: Lessons Learned during the Covid-19 Pandemic

Current & Upcoming Projects

- Current Projects
  - ACRP 02-97 - Update to the Guidelines, Tools, and Resources Related to ACRP Reports 11, 147, and 160
  - ACRP 02-99 - Incorporating Environmental Justice and Equity Principles and Data into Airport Decision-Making
  - ACRP 06-09 - Equitable Workforce Outcomes: A Study of Women and Minority Representation at Airports
  - BTS/CRP BTS-26 - Advanced Driver Assistance Systems (ADAS) Education and Outreach
  - NCHRP 08-120 / TCRP B-49 - Improving Public Transportation in Rural Areas and Tribal Communities
  - NCHRP 08-149 - Estimating Benefits of Closing Gaps in Active Transportation Networks
  - NCHRP 08-152 - Strategies for Improving Diversity, Equity, and Inclusion in the Transportation Planning Profession
  - NCHRP 08-155 - Handbook for Addressing Racial Disparities in the Project Delivery Process
  - NCHRP 08-159 - How to Assess and Address Equity of Access to Essential Goods and Services
  - NCHRP 08-161 - Cultivating Accountability Through Meaningful Public Engagement
  - NCHRP 08-162 - Guidance for Implementing Equitable Transportation Decision-Making
  - NCHRP 17-100 - Leveraging Artificial Intelligence and Big Data to Enhance Safety Analysis
  - NCHRP 17-101 - Applying the Safe System Approach to Transportation Planning, Design, and Operations in the United States
  - NCHRP Synthesis 20-05/Topic 55-21 - Funding for Maintenance of Complete Streets
  - NCHRP 20-06/Topic 26-01 - Effects of Indian Treaties on Development and Operation of Transportation Facilities
  - NCHRP 20-24(141) - Improving Public Transportation in Rural Areas and Tribal Communities
  - TCRP B-47 - Impact of Transformational Technologies on Underserved Populations
  - TCRP B-49 - Accessible Public Bus and Rail Passenger Information for Riders with Vision Disabilities
  - TCRP B-53 - Addressing Travel Needs of Women on Public Transportation
  - TCRP B-54 - Paving the Way for Inclusion: Addressing Gaps in Measuring Disability within Transportation Data Systems
  - TCRP H-59 - Racial Equity, Black America and Public Transportation
  - TCRP H-60 - Lessons Learned from Covid-19: Strategies to Enhance Racial and Social Equity through Public Transportation as a Community Lifeline
  - TCRP J-11 / Task 43 - Analysis of Public Transportation Health Impacts and Benefits
  - TCRP J-11 / Task 44 - Improving Access to Public Transportation Services and Facilities with Transit-Oriented Complete Streets
  - TCRP Synthesis J-07 / Topic SB-37 - Transit Agency Goals and Non-Traditional Performance Indicators Focused on Equity
  - TCRP Synthesis J-07 / Topic SB-41 - Microtransit Solutions in Rural Communities: On-Demand Alternatives to Dial-A-Ride Services and Unproductive Coverage Routes
- **Upcoming Projects**
  - **ACRP 07-22** - Improving Accessibility and Airport Experience for Neurodivergent Individuals and Individuals with Dementia-Related Conditions
  - **ACRP 07-23** - Safety, Empowerment, and Dignity: Improving the Airport Journey of Customers Using Wheelchairs
  - **ACRP 11-04B** - ACRP Academic Engagement Programs
  - **BTSCRIP BTS-30** - Engaging Underserved Populations for Child Passenger Safety
  - **BTSCRIP BTS-34** - Enhancing Behavioral Traffic Safety Efforts to Engage Underserved Communities
  - **NCHRP 07-35** - Improving Crash Data for Active Transportation Users
  - **NCHRP 08-150** - Tools to Integrate Equity into Active Transportation and Safety Investments
  - **NCHRP 08-158** - A Compendium for Communicating the Value of Freight and Community Interactions
  - **NCHRP 08-159** - How to Assess and Address Equity of Access to Essential Goods and Services
  - **NCHRP 08-160** - Guide to Identify and Mitigate the Negative Effects of Gentrification Caused by Transportation Investment
  - **NCHRP 08-166** - Racial and Socioeconomic Inequities in Active Transportation Safety
  - **NCHRP 08-169** - Valuing Diversity, Equity, and Inclusion in Transportation Asset Management
  - **NCHRP 08-177** - Digitizing Bicycle and Pedestrian Treatments for Promoting Active Transportation Equity and Safety
  - **NCHRP 08-178** - Identifying and Evaluating Divided, Overburdened, and Underrepresented Communities
  - **NCHRP 08-181** - Impacts of Climate Change and Extreme Weather on the Mobility of Socially Vulnerable Populations
  - **NCHRP 08-193** - Resource to Support Volunteer Driver Programs in Rural and Low-Density Areas
  - **NCHRP 19-22** - Equity Impacts of Transportation Revenue Mechanisms and Changing Trends
  - **NCHRP 20-06/Topic 27-03** - Environmental and Planning Law and Transportation
  - **NCHRP 20-24(146)** - Guide to Supporting and Sustaining Transportation Grant Programs for Local Governments and Tribes
  - **NCHRP 20-24(149)** - Methods to Recruit New Talent in the Transportation Industry
  - **NCHRP 23-34** - Performance Measures for Community-Centered Transportation Outcomes: A Guide
  - **TCRP A-49** - Fare Policies, Structures, and Technologies -- 2022 Updates
  - **TCRP B-51** - Floating Transit Stops and Passengers with Vision Disabilities
  - **TCRP B-54** - Paving the Way for Inclusion: Addressing Gaps in Measuring Disability within Transportation Data Systems
  - **TCRP B-55** - Guidelines for Surveying Hard-to-Reach Populations for Small, Medium, and Large Transportation Agencies
  - **TCRP F-33** - Enriching Transit’s Workforce: Recruiting and Retaining Individuals with Disabilities
  - **TCRP H-62** - Innovations for Equitable Rural Transit Economic Benefit Analyses
  - **TCRP J-05/Topic 21-01** - Update of Legal Research Digests Regarding Civil Rights, Privacy, and Other Related Digests
  - **TCRP J-11/Task 47** - Affordable Housing and Transit

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**Reports from the National Academies Press on Social Equity & Underserved Populations**

- [Resources on Diversity, Equity, and Inclusion](#)
- [Diversity, Equity, and Inclusion Collection](#)
- [Diversity and Inclusion in STEMM Collection](#)

- [Exploring Diversity, Equity, Inclusion, and Health Equity Commitments and Approaches by Health Organization C-Suites: Proceedings of a Workshop](#)
- [Assessing Equity in the Distribution of Fisheries Management Benefits](#)
- [Facial Recognition Technology](#)
- [Advancing Antiracism, Diversity, Equity, and Inclusion in STEMM Organizations](#)
- [Reducing Racial Inequality in Crime and Justice](#)
- [Suicide Prevention in Indigenous Communities](#)
- [Promoting Health Equity in Cancer Care](#)
- [Structural Racism and Rigorous Models of Social Inequity](#)
- [Addressing Structural Racism, Bias, and Health Communication as Foundational Drivers of Obesity](#)
- [The Impact of Juvenile Justice System Involvement on the Health and Well-Being of Youth, Families, and Communities of Color](#)
- [The Effects of Drug Control Policies on Individual and Community Health for People of Color](#)
- [Understanding and Offsetting Financial Barriers for Black Students in Science, Engineering, and Medicine](#)
○ Improving Representation in Clinical Trials and Research: Building Research Equity for Women and Underrepresented Groups
○ Integrating Serious Illness Care into Primary Care Delivery
○ Communities, Climate Change, and Health Equity
○ Community Power in Population Health Improvement
○ Service Life Assessment and Predictive Modeling for an Aging Critical Infrastructure
○ Advancing Maternal Health Equity and Reducing Maternal Morbidity and Mortality
○ Harnessing the Value of Co-Creating and Stewarding Places for Health, Equity, and Well-Being
○ Population Health in Rural America in 2020
○ Understanding and Communicating about COVID-19 Vaccine Efficacy, Effectiveness, and Equity
○ Fostering Diversity, Equity, and Inclusion in Neuroscience Training
○ The Future of Nursing 2020-2030 - Charting a Path to Achieve Health Equity
○ Addressing the Drivers of Criminal Justice Involvement to Advance Racial Equity
○ Building Educational Equity Indicator Systems - A Guidebook for States and School Districts
○ Racial Justice, Diversity, Equity, and Inclusion in Neuroscience Training
○ Decarcerating Correctional Facilities during COVID-19 - Advancing Health, Equity, and Safety
○ Reopening K-12 Schools During the COVID-19 Pandemic - Prioritizing Health, Equity, and Communities
○ Leading Health Indicators 2030: Advancing Health, Equity, and Well-Being
○ Exploring Disaster Human Services for Children and Youth - From Hurricane Katrina to the Paradise Wildfires: Proceedings of a Workshop Series
○ The Effects of Incarceration and Reentry on Community Health and Well-Being
○ Birth Settings in America: Outcomes, Quality, Access, and Choice
○ Family Planning, Women's Empowerment, and Population and Societal Impacts
○ Meeting the Challenge of Caring for Persons Living with Dementia and Their Care Partners and Caregivers

Committees & Panels

Sign-up to be a committee "Friend"

**TRB Standing Committees** - Search by transportation mode and committee topic

○ [AIE60](#) - Contracting Equity
○ [AIL20](#) - Transit and Intermodal Transportation Law
○ [AL000](#) - Legal Resources Group
○ [AME10](#) - Equity in Transportation
○ [AME20](#) - Women and Gender in Transportation
○ [AME30](#) - Native American Transportation Issues
○ [AME50](#) - Accessible Transportation and Mobility
○ [AME80](#) - Community Resources and Impacts
○ [AP055](#) - Rural Public and Intercity Bus Transportation
○ [B0154](#) - Review Evidentiary Protection for Public Transportation Safety Program Information
○ [B0176](#) - Data, Metrics, and Analytic Methods for Assessing Equity Impacts of Surface Transportation Funding Programs

**Task Forces** - Search for **task force** under committee here

**CRP Panels** – Select **CRP Panel** and **Synthesis Panel** and search by subject

○ [D08131](#) - Access to Jobs, Economic Opportunities, and Education in Rural Areas
○ [D08144](#) - Best Practices in Determining Rural Transit Fleet Size – How to provide service for changing demographics of rural ridership (Right-sizing of rural transit fleets)
○ [D08147](#) - NCHRP 08-147/TCRP B-49 Improving Public Transportation in Rural Areas and Tribal Communities
○ [D08150](#) - Valuation of Transportation Equity in Active Transportation and Safety Investments
○ [D08152](#) - Strategies for Advancing Equity in Transportation Planning by Increasing Diversity, Equity, and Inclusiveness in The Transportation Planning Profession
○ [D08161](#) - Identify Emerging Approaches for Public Engagement to Meaningfully Involve Minorities, Low-Income, and Other Vulnerable Populations
○ [D08162](#) - Identify Practices and Policies to Advance Social Justice and Equity into Transportation Decision-Making
○ [D08169](#) – Equity, Diversity, and Inclusion, and Other Indicators to Improve Transportation Asset Management Impact and Outcomes
○ [D08177](#) - Digitizing Bicycle and Pedestrian Treatments for Promoting Active Transportation Equity and Safety
○ [D1922](#) – Future Equity Impacts of Existing Fuel Taxes
○ [D2010233](#) - Safety of Vulnerable Road Users in a C/AV Future
○ [D20122](#) - Workshop on Rural Transportation Issues and Needs
○ [D2012319](#) – Transportation Equity Research – A Roadmap
- Peer Exchange and Research to Identify Best Practices for Testing, Monitoring and Deployment of Automated Transportation Solutions to Support, Safety, Equity and Operational Efficiency
- Assessing the Equity and Workforce Mobility Implications of the Expansion of E-Commerce and Direct-to-Consumer Delivery Services
- Use of Equity and Environmental Justice Data to Support Airport Decision-Making
- Quantifying and Understanding Women and Minority Airport Employee Populations to Track Progress
- Highway Safety Strategies for Rural Communities
- Equity in Pedestrian and Bicyclist Mobility, Safety, and Health: The Impact of Racial Bias
- Engaging Underserved Populations for Child Passenger Safety
- Review of Behavioral Traffic Safety Efforts Undertaken by State Highway Safety Offices and Other Safety Organizations to Engage Underserved Communities
- Enriching Transit’s Workforce: Recruiting and Retaining Individuals with Disabilities
- Lighting Practices for Isolated Rural Intersections
- Practices to Promote Equity in Transportation Funding
- Practices to Promote Gender Equity in the DOT Workforce
- Dynamic Optimization on ADA Paratransit Service
- Transit Agency Goals and Non-Traditional Performance Indicators Focused on Equity
- Tactile Walking Surface Indicators to aid Wayfinding for Visually Impaired Travelers in Multimodal Travel
- Assessment of Transit Agency-Sponsored Alternative Services Offered to ADA Paratransit Customers: Intersection of Regulation and Program Objectives
- Floating Transit Stops and Passengers with Vision Disabilities
- Planning for the Travel Needs of Women
- Racial Equity, Black America and Public Transportation
- Lessons Learned from Covid-19: Strategies to Enhance Racial and Social Equity
- Legal Aspects of Transit and Intermodal Transportation Programs
- Transportation Services for People With Disabilities and Older Adults during a Pandemic and Other Emergencies: Lessons Learned during the Covid-19 Pandemic

Councils
- Young Members Coordinating Council
- Rural Transportation Issues Coordinating Council

Recent and Upcoming Events

Upcoming Events – In the Upcoming Events tab under Types, choose what event you are interested in, search titles by keyword

TRB Webinar: Strategies to Respectfully Address Homelessness at Airports
April 30, 2024

Data, Metrics, and Analytic Methods for Assessing Equity Impacts of Surface Transportation Investments: Phase 2 Study to Support State and Local Decision Making Meeting #4
May 22-23, 2024
Washington, DC

TRB Webinar: When Our Technology Solutions Do Not Work for Everyone
May 30, 2024

TRB’s 2nd Conference on Advancing Transportation Equity
July 15-18, 2024
Baltimore, MD

TRB’s International Conference on Women and Gender in Transportation
September 9-11, 2024
Irvine, CA

Past Events - In the Past Events tab under Types, choose what event you are interested in, search titles by keyword

TRB Webinar: Respectful Response to People Experiencing Homelessness in Transit
March 25, 2024
TRB International Conference on Low Volume Roads
July 23-26, 2023
Cedar Rapids, IA

TRB Webinar: Career Series #3 – Transportation Equity: Community-Building in Action
March 22, 2023

TRB Webinar: Advancing Transportation Equity—Key Insights from 2021 and Looking to 2024
March 9, 2023

TRB Webinar: Career Series #2 – Sustainable Mobility: New and Expanding Opportunities
February 22, 2023

TRB Webinar: Fare-Free Transit Policies and Programs—An Evaluation Framework
January 24, 2023

Accelerating Decarbonization in the United States: Technology, Policy, and Societal Dimensions | Transformative Climate Communities - Lessons Learned and Best Practices
January 6, 2023

TRB Webinar: Trends in Transit Ridership—Analysis, Causes, and Responses
December 13, 2022

TRB’s Transportation Research Information Services (TRIS)
TRIS includes the TRB Library and the TRIS Databases (listed below) which are available free on TRB’s website.

The TRB Library provides information services to TRB staff, sponsors, TRB Committee members and panels and researchers. Access to the TRB Library is a benefit to TRB sponsors and TRB committee members.

In cooperation with your State DOT Library or Information Service, the TRB Library provides:

- Reference and research assistance
- Literature searches
- Articles for TRB Committee work

The TRB Library provides training on effective and efficient use of the following TRIS resources:

- Transportation Research International Documentation (TRID) – trid.trb.org - The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation
- Transportation Research Thesaurus (TRT) – trt.trb.org - A tool to improve the indexing and retrieval of transportation information.
- Research in Progress (RiP) Database – rip.trb.org - Current or recently completed transportation research projects
- Publications Index (PubsIndex) Database – pubsindex.trb.org - The papers, articles and reports published by the Transportation Research Board, Strategic Highway Research Programs or the Marine Board

Contact or Questions: TRBLibrary@nas.edu