TRB Snap Search: Transportation & Health

TRB’s involvement in research on Transportation & Health from 2019-2021

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](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 Transportation & Health within the past two years.

Specialty Report

- Critical Issues in Transportation 2019
- COVID-19 Addendum to Critical Issues in Transportation
- Racial Equity Addendum to Critical Issues in Transportation

Specialty Webpage

- Transportation in the Face of Communicable Disease

Milestone Reports


Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Report 221 - Measuring Quality of Life in Communities Surrounding Airports
  - Synthesis 113 - Airport Workforce Programs Supporting Employee Well-Being
  - Web-Only Document 48 - Evaluating the Use of Spatially Precise Diurnal Population Data in Aviation Noise Studies
  - Web-Only Document 47 - Commercial Space Operations Noise and Sonic Boom Measurements
  - Web-Only Document 43 - Improving AEDT Modeling for Aircraft Noise Reflection and Diffraction from Terrain and Manmade Structures

- Conference Proceedings
  - Proceedings 55 - Airport Roles in Reducing Transmission of Communicable Diseases

- National Cooperative Highway Research Program (NCHRP)
  - NCHRP 25-25/Task 108 - Creating Lookup Tables to Streamline the Determination of Emission Reductions for CMAQ Projects
  - NCHRP 25-25/Task 105 - A Guidebook for Communications between Transportation and Public Health Communities
  - NCHRP 25-25/Task 104 - Streamlining Carbon Monoxide Project-Level Air Quality Analyses with Programmatic Agreements
Current & Upcoming Projects

- **Transportation Research Circulars**
  - E-Circular 267 - Summary of Transportation Research Needs Related to COVID-19
  - E-Circular 266 - Transportation Asset Management in a COVID-19 World
  - E-Circular 264 - Conference on Health and Active Transportation
  - E-Circular 242 - A Literature Review of Rail Trespassing and Suicide Prevention Research

- **Special Reports**
  - Report 336 - Options for Reducing Lead Emissions from Piston-Engine Aircraft

- **Transit Cooperative Research Program (TCRP)**
  - Report 225 - A Pandemic Playbook for Transportation Agencies (Also NCHRP Report 963)
  - Report 223 - Guidebook and Research Plan to Help Communities Improve Transportation to Health Care Services
  - Report 217 - Improving the Health and Safety of Transit Workers with Corresponding Impacts on the Bottom Line
  - Report 203 - Dialysis Transportation: Intersection of Transportation and Healthcare

- **Current Projects**
  - ACRP 02-99 - A Primer and Framework for Considering an Airport Noise and Operations Monitoring System (NOMS)
  - ACRP 03-49 - Effective Collaboration to Plan and Respond to Communicable Disease Threats
  - ACRP 11-02/Task 41 - Toward a Touchless Airport Journey
  - BTSCRPT 10 - E-Scooter Safety: Issues and Solutions
  - NCHRP 15-68 - Effective Low-Noise Rumble Strips
  - NCHRP 17-90 - Evaluation of Roadside Crash Injury Metrics in MASH
  - NCHRP 20-44(29) - Training for Highway Construction Noise Prediction Model-RCNM2.0
  - NCHRP 25-55 - Assessment of Regulatory Air Pollution Dispersion Models to Quantify the Impacts of Transportation Sector Emissions
  - NCHRP 25-57 - Breaking Barriers: Alternative Approaches to Avoiding and Reducing Highway Traffic Noise Impacts
  - NCHRP Synthesis 20-05/Topic 51-18 - Practices for Project-Level Analyses for Air Quality
  - TCRP G-17 - Assessing Lifecycle and Human Costs of Bus Operator Workstation Design and Components

- **Upcoming Projects**
  - ACRP 02-89 - Techniques for Modifying NextGen Flight Track Design to Reduce Noise Exposure and Annoyance
  - ACRP 02-94 - Update ACRP WebResource 4: Airport Air Quality Resource Library
  - ACRP 02-95 - Update ACRP Report 135: Understanding Airport Air Quality and Public Health Studies Related to Airports
  - ACRP 04-25 - Airports and Pandemics---Preparedness and Response
  - BTSCRPT 21 - Equity in Pedestrian and Bicyclist Mobility, Safety, and Health: The Impact of Racial Bias
  - NCHRP 08-159 - Understand How Accessibility to Employment, Health Care, Education, and Other Vital Needs Varies for Different Population Groups in Different Settings, and Methods for Effectively Assessing Mobility and Accessibility Needs
  - NCHRP 17-101 - Safe Systems in the U.S. – Developing a Roadmap for Transportation Road Designers, Planners, and Engineers
  - NCHRP 19-19 - Sustaining a Zero Fare Public Transportation Program in a Post COVID-19 World
  - NCHRP 23-13 - Transportation Research Related to COVID-19
  - NCHRP 23-13(01) - Effective Tools and Practices for Measuring Telecommuting Employee Performance
  - NCHRP 23-13(02) - Employee Safety during COVID-19
  - NCHRP 23-13(04) - Scoping Supply Chain Challenges and Solutions amid COVID-19
  - NCHRP 23-13(05) - Relaxation of Truck Weight Restrictions for Emergency Deliveries
  - NCHRP 23-13(06) - Analyzing the Shifts from Brick and Mortar Businesses to Home Delivery
  - TCRP E-13 - COVID-19 and Transit Air Quality Protections (Insight Event)
  - TCRP F-29 - Mental Health, Wellness, and Resilience for Transit System Workers
  - TCRP F-30 - Ensuring the Health and Safety of Transportation System Operators and Others in the Transportation Workforce
  - TCRP Synthesis 1-07/Topic SA-54 - Pedestrian and Bicycle Safety in Bus/BRT Corridors
Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- ADC20 – Transportation and Air Quality
- ADD40 – Transportation and Sustainability
- AFK20 – Asphalt Binders
- AME10 - Equity in Transportation
- AME70 - Transportation and Public Health
- AMS10 - Air Quality and Greenhouse Gas Mitigation
- AT040 – Transportation of Hazardous Materials
- AW040 – Marine Safety and Human Factors

Task Forces - Search for task force under committee here

Project Panels
- D0523 - The Unintended Consequences of LED Roadway Lighting: Effects on Road User Health and Driver Alertness
- D08159 - Understand How Accessibility to Employment, Health Care, Education, and Other Vital Needs Varies for Different Population Groups in Different Settings, and Methods for Effectively Assessing Mobility and Accessibility Needs
- D20112 - Research Roadmap--Public Health and Transportation
- DA0295 - Update ACRP Report 135: Understanding Airport Air Quality and Public Health Studies Related to Airports
- DB021 - Equity in Pedestrian and Bicyclist Mobility, Safety, and Health: The Impact of Racial Bias
- TF25 – Improving the Health and Safety of the Transit Workforce with Corresponding Impacts on the Bottom Line
- TF29 – Mental Health, Wellness, and Resilience for Transit System Workers
- TF30 - Ensuring the Health and Safety of Transportation System Operators and Others in the Transportation Workforce
- TH60 - Addressing Disproportionate Share of Health, Economic, and Transportation Impacts for Lower-Income Households and Communities of Color

Councils
- A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming Conferences - Left hand menu "upcoming conferences by topic"
(Conferences cosponsored by TRB are denoted with an asterisk.)

- Bridging Transportation Researchers Online Conference*  
  August 5, 2021  
  Online

- National Conference on Rural Public and Intercity Bus Transportation  
  October 25-27, 2021  
  Online

- Conference on Transformative Times in Transportation Security  
  November 2, 2021
Washington, D.C.

**2021 Conference on Sustainability and Emerging Transportation Technology**  
*March 15-18, 2022*  
*Irvine, CA*

**International Conference on Roundabouts**  
*April 1, 2022*  
*Monterey, CA*

**18th Biennial National Harbor Safety Committee Conference**  
*June 13, 2022*  
*Boston, MA*

**13th Access Management Conference**  
*July 1, 2022*  
*Online*

**International Conference on Mobility and Transport for Older Adults and People with Disabilities (TRANSED)**  
*September 1, 2022*  
*Seattle, WA*

**Webinars** – View upcoming webinars, suggest a webinar or add registration information

**Past Webinars**

- **Improving Transportation Access to Health Care** – May 18, 2021
- **Real-Time Response - A Pandemic Playbook for Public Transportation Agencies** – March 30, 2021
- **Visualizing Effects of COVID-19 on Transportation: A One-Year Retrospective** – March 8, 2021
- **Driving Toward the Truth - Dispelling the Myths About Cannabis Products** – February 10, 2021
- **Options for Reducing Lead Emissions from Piston-Engine Aircraft** – February 2, 2021
- **Rail in the Time of Coronavirus - Planning, Operating, & Constructing Rail** – December 2, 2020
- **Keep on Truckin’-’Using Simulators for CDL Testing During COVID-19** – November 6, 2020
- **What’s Cooler than Cool? Cooler Pavements for Urban Heat Island Mitigation** – August 13, 2020
- **Transportation Asset Management in a COVID-19 World** – July 15, 2020
- **A Research Roadmap for Transportation and Public Health** – June 29, 2020
- **Transportation Experiences and Next Steps in the COVID-19 Pandemic** – June 16, 2020
- **Traffic Trends and Safety in a COVID-19 World** – June 2, 2020
- **How Much will COVID-19 Affect Travel Behavior** – June 1, 2020
- **The Intersection Between Health and Transportation** – April 27, 2020
- **The Supply Chain and COVID-19** – April 8, 2020
- **Transportation & COVID-19 – Practices From Other Disease Outbreaks** – March 23, 2020
- **Road Safety in Low- and Middle-Income Countries** – November 25, 2019
- **Implications of Technologies for Visually Impaired Pedestrians** – September 17, 2019
- **Understanding Polydrug Use and Its Role in Drug-Impaired Driving** – July 1, 2019
- **Dialysis Transportation: The Intersection of Transportation and Healthcare** – May 13, 2019

**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](http://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](http://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

• **Research Needs Statements (RNS)** – rns.trb.org - Research needs as identified by TRB Technical Activities standing committees

• **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