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

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
- **Mainstreaming System Resilience Concepts into Transportation Agencies: A Guide**
- **LED Roadway Lighting: Impact on Driver Sleep Health and Alertness**
- **A Pandemic Playbook for Transportation Agencies (Also TCRP Report 225)**
- **A Research Roadmap for Transportation and Public Health**

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

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

**Current & Upcoming Projects**

**Current Projects**
- **A Primer and Framework for Considering an Airport Noise and Operations Monitoring System (NOMS)**
- **Effective Collaboration to Plan and Respond to Communicable Disease Threats**
- **Preparedness and Response**
- **Toward a Touchless Airport Journey**
- **E-Scooter Safety: Issues and Solutions**
- **Effective Low-Noise Rumble Strips**
- **Evaluation of Roadside Crash Injury Metrics in MASH**
- **Training for Highway Construction Noise Prediction Model-RCNM2.0**
- **Assessment of Regulatory Air Pollution Dispersion Models to Quantify the Impacts of Transportation Sector Emissions**
- **Breaking Barriers: Alternative Approaches to Avoiding and Reducing Highway Traffic Noise Impacts**
- **Practices for Project-Level Analyses for Air Quality**
- **Assessing Lifecycle and Human Costs of Bus Operator Workstation Design and Components**

**Upcoming Projects**
- **Techniques for Modifying NextGen Flight Track Design to Reduce Noise Exposure and Annoyance**
- **Update ACRP WebResource 4: Airport Air Quality Resource Library**
- **Update ACRP Report 135: Understanding Airport Air Quality and Public Health Studies Related to Airports**
- **Equity in Pedestrian and Bicyclist Mobility, Safety, and Health: The Impact of Racial Bias**
- **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**
- **Safe Systems in the U.S. – Developing a Roadmap for Transportation Road Designers, Planners, and Engineers**
- **Sustaining a Zero Fare Public Transportation Program in a Post COVID-19 World**
- **Transportation Research Related to COVID-19**
- **Effective Tools and Practices for Measuring Telecommuting Employee Performance**
- **Employee Safety during COVID-19**
- **Scoping Supply Chain Challenges and Solutions amid COVID-19**
- **Relaxation of Truck Weight Restrictions for Emergency Deliveries**
- **Analyzing the Shifts from Brick and Mortar Businesses to Home Delivery**
- **COVID-19 and Transit Air Quality Protections (Insight Event)**
- **Mental Health, Wellness, and Resilience for Transit System Workers**
- **Ensuring the Health and Safety of Transportation System Operators and Others in the Transportation Workforce**
- **Pedestrian and Bicycle Safety in Bus/BRT Corridors**
Reports from the National Academies Press on Transportation & Health

- Coronavirus Resources Collection
- Pandemic Resources
- The Critical Public Health Value of Vaccines - Tackling Issues of Access and Hesitancy
- Advancing Urban Sustainability in China and the United States
- Health-Focused Public–Private Partnerships in the Urban Context
- Implications of the California Wildfires for Health, Communities, and Preparedness
- Evidence-Based Practice for Public Health Emergency Preparedness and Response
- Implementing Strategies to Enhance Public Health Surveillance of Physical Activity in the United States
- Investing in Interventions That Address Non-Medical, Health-Related Social Needs
- The Intersection of Behavioral Health, Mental Health, and Health Literacy
- Exploring Medical and Public Health Preparedness for a Nuclear Incident

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.)

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

Drug-Impaired Driving Conference
October 27, 2021
Online

Conference on Transformative Times in Transportation Security
November 1, 2021
Online

**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 13-15, 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**

- **LED Roadway Lighting’s Effect on Driver Sleep Health and Alertness** – August 31, 2021
- **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 25, 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 - 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](http://rip.trb.org) - Current or recently completed transportation research projects

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

• **Publications Index (PubsIndex) Database** – [pubsindex.trb.org](http://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