

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Transportation & Health

TRB's involvement in research on Transportation & Health from 2020-2022

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

- [E-Circular 239](#) - Arterial Roadways Research Needs and Concerns: Informing the Planning, Design, and Operation of Arterial Roadways Considering Public Health

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
- [Conference Proceedings](#)
 - [Proceedings on the Web 28](#) - Introduction to Blockchain and Airport Operations in a COVID-19 Environment
 - [Proceedings on the Web 27](#) - Flight Plan to Recovery: Preparing Airports for the Return of the Traveling Public
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [Report 970](#) - Mainstreaming System Resilience Concepts into Transportation Agencies: A Guide
 - [Report 968](#) - LED Roadway Lighting: Impact on Driver Sleep Health and Alertness
 - [Report 963](#) - A Pandemic Playbook for Transportation Agencies (Also TCRP Report 225)
 - [Report 932](#) - A Research Roadmap for Transportation and Public Health
 - [Synthesis 576](#) - Practices for Project-Level Analyses for Air Quality
- [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 216](#) - Improving the Safety, Health, and Productivity of Transit Operators Through Adequate Restroom Access
- [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

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 02-89](#) - A Primer and Framework for Considering an Airport Noise and Operations Monitoring System (NOMS)
 - [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 03-49](#) - Effective Collaboration to Plan and Respond to Communicable Disease Threats
 - [ACRP 04-25](#) - Airports and Pandemics--- Preparedness and Response
 - [ACRP 11-02/Task 41](#) - Toward a Touchless Airport Journey
 - [BTSCRPT BTS-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
 - [TCRP G-17](#) - Assessing Lifecycle and Human Costs of Bus Operator Workstation Design and Components
- [Upcoming Projects](#)
 - [ACRP 02-88](#) - Techniques for Modifying NextGen Flight Track Design to Reduce Noise Exposure and Annoyance
 - [ACRP 11-01/Topic 14-01](#) - Legal Considerations for Airports Responding to Pandemics
 - [BTSCRPT BTS-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\(01\)](#) - Telecommuting, Remote Work, and Hybrid Schedules: Managing the Shift to a Flexible Work Future
 - [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\(05\)](#) - Regulatory Relief of Commercial Vehicle Weight Requirements for Emergency Transportation of Critical Commodities
 - [NCHRP 23-13\(06\)](#) - Assessing the Equity and Workforce Mobility Implications of the Expansion of E-commerce and Direct-to-Consumer Delivery Services
 - [TCRP D-22](#) - Evaluating Frog Design to Minimize Noise and Vibration and Improve Life-Cycle Costs
 - [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](#) - Guide for Protecting Transportation Employees and the Traveling Public from Airborne Diseases
 - [TCRP J-11/Task 43](#) - Analysis of Public Transportation Health Impacts and Benefits
 - [TCRP Synthesis J-07/Topic SA-54](#) - Pedestrian and Bicycle Safety in Bus/BRT Corridors

Reports from the [National Academies Press](#) on Transportation & Health

- [Coronavirus Resources Collection](#)
- [Pandemic Resources](#)
- [Models for Population Health Improvement by Health Care Systems and Partners](#)
- [Exploring Disaster Human Services for Children and Youth](#)
- [Implementing High-Quality Primary Care](#)

- [Population Health in Rural America in 2020](#)
- [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](#)

Committees & Panels

[Sign-up to be a committee "Friend"](#)

TRB Standing Committees – Search by transportation mode and committee topic

- [AKM20](#) – Binders for Flexible Pavement
- [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

- [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
- [TJ1143](#) - Analysis of Public Transportation Health Impacts and Benefits

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.*)

[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

[TRANSED: Mobility, Accessibility, and Demand Response Transportation Conference](#)

September 12, 2022

online

[TRB Conference on Scenario Planning in Transportation](#)

September 19, 2022
Washington, D.C.

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

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

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
- **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