TRB Snap Search: Transportation & Health

TRB's involvement in research on Transportation & Health from 2021-2023

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 241 - Toward a Touchless Airport Journey
  - Report 237 - Primer and Framework for Considering an Airport Noise and Operations Monitoring System

- Conference Proceedings
  - Proceedings on the Web 28 - Introduction to Blockchain and Airport Operations in a COVID-19 Environment

- National Cooperative Highway Research Program (NCHRP)
  - Report 984 - Breaking Barriers: Alternative Approaches to Avoiding and Reducing Highway Traffic Noise Impacts
  - Report 968 - LED Roadway Lighting: Impact on Driver Sleep Health and Alertness
  - Report 963 - A Pandemic Playbook for Transportation Agencies (Also TCRP Report 225)
  - 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)
Current & Upcoming Projects

Current Projects
- 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 11-01/Topic 14-01 - Legal Considerations for Airports Responding to Pandemics
- ACRP Synthesis J 1-03/Topic S06-07 - Impacts of COVID-19 to Airport Work Models and Strategies
- BTRCP BTS-10 - E-Scooter Safety: Issues and Solutions
- NCHRP 08-149 - Estimating Benefits of Closing Gaps in Active Transportation Networks
- NCHRP 15-68 - Effective Low-Noise Rumble Strips
- NCHRP 17-101 - Applying the Safe System Approach to Transportation Planning, Design, and Operations in the United States
- NCHRP 19-19 - Sustaining a Zero Fare Public Transportation Program in a Post COVID-19 World
- NCHRP 20-44(29) - Training for Highway Construction Noise Prediction Model-RCNM2.0
- NCHRP 23-13(01) - Telecommuting, Remote Work, and Hybrid Schedules: Managing the Shift to a Flexible Work Future
- NCHRP 23-13(05) - Regulatory Relief of Commercial Vehicle Weight Requirements for Emergency Transportation of Critical Commodities
- 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 G-17 - Assessing Lifecycle and Human Costs of Bus Operator Workstation Design and Components
- TCRP Synthesis J-07/Topic SA-54 - Pedestrian and Bicycle Safety in Bus/BRT Corridors

Upcoming Projects
- ACRP 02-88 - Techniques for Modifying NextGen Flight Track Design to Reduce Noise Exposure and Annoyance
- NCHRP 08-159 - How to Assess and Address Equity of Access to Essential Goods and Services
- NCHRP 08-172 - Benefit Analysis of Private Health Sector Investments in Public/Human Transportation
- NCHRP 23-13 - Transportation Research Related to COVID-19
- NCHRP 23-13(04) - Scoping Supply Chain Challenges and Solutions amid COVID-19
- NCHRP 23-13(06) - Assessing the Equity and Workforce Mobility Implications of the Expansion of E-commerce and Direct-to-Consumer Delivery Services
- NCHRP 25-66 - Update the National REMEL Database Used in FHWA Traffic Noise Model
- TCRP D-22 - Evaluating Frog Design to Minimize Noise and Vibration and Improve Life-Cycle Costs
- TCRP J-11/Task 43 - Analysis of Public Transportation Health Impacts and Benefits

Reports from the National Academies Press on Transportation & Health
- Health and Medicine
- Coronavirus Resources Collection
- Pandemic Resources

- National Plan for Health Workforce Well-Being
- Population Health Science in the United States: Trends, Evidence, and Implications for Policy
- Community Power in Population Health Improvement
- Communities, Climate Change, and Health Equity
- Reorienting Health Care and Business Sector Investment Priorities Toward Health and Well-Being
- Civic Engagement and Civic Infrastructure to Advance Health Equity
- U.S. Health Care Expenditures: Costs, Lessons, and Opportunities
- Harnessing the Value of Co-Creating and Stewarding Places for Health, Equity, and Well-Being
- 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

Committees & Panels

Sign-up to be a committee "Friend"

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

Task Forces - Search for task force under committee here

Project Panels
  o  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
  o  D08172 - Benefit Analysis of Private Health Sector Investments in Public/Human Transportation
  o  D20112 - Research Roadmap--Public Health and Transportation
  o  DA0295 - Update ACRP Report 135: Understanding Airport Air Quality and Public Health Studies Related to Airports
  o  DB021 - Equity in Pedestrian and Bicyclist Mobility, Safety, and Health: The Impact of Racial Bias
  o  TF25 – Improving the Health and Safety of the Transit Workforce with Corresponding Impacts on the Bottom Line
  o  TF29 – Mental Health, Wellness, and Resilience for Transit System Workers
  o  TF30 - Guide for Protecting Transportation Employees and the Traveling Public from Airborne Diseases
  o  TII143 - Analysis of Public Transportation Health Impacts and Benefits

Councils
  o  A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming TRB Conferences – Use left hand menu to filter events

  National Aviation System Planning Symposium
  May 15-18, 2023
  Irving, CA

  Innovations in Travel Analysis and Planning Conference
  June 4-6, 2023
  Indianapolis, IN

  Marine Transportation System Innovative Science and Technologies Toward Greater Sustainability
  June 19-22, 2023
  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

• 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