TRB Snap Search: Transportation & Health

TRB’s involvement in research on Transportation & Health from 2018-2020

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

Specialty Webpage

• Transportation in the Face of Communicable Disease

Recent Reports & Publications

• Airport Cooperative Research Program (ACRP)
  • Legal Research Digest 34 - Airport Public Health Preparedness and Response: Legal Rights, Powers, and Duties
  • Report 185 - Airport Air Quality Management 101
  • Report 183 - User Guides for Noise Modeling of Commercial Space Operations—RUMBLE and PCBoom
  • Synthesis 88 - Airport Community, Water Quality Events, and the Aircraft Drinking Water Rule
  • Web-Only Document 43 - Improving AEDT Modeling for Aircraft Noise Reflection and Diffraction from Terrain and Manmade Structures
  • Web-Only Document 36 - Enhanced AEDT Modeling of Aircraft Arrival and Departure Profiles, Volume 1: Guidance
  • WebResource 4 - Airport Air Quality Resource Library

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

• National Cooperative Highway Research Program (NCHRP)
  • NCHRP 25-49 - Development of a Highway Construction Noise Prediction Model
  • 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

Updated 06/05/2020
- **Report 932** - A Research Roadmap for Transportation and Public Health
- **Report 882** - How Weather Affects the Noise You Hear from Highways
- **Web-Only Document 246** - Volume 2: TRAQS: A Combined Interface for Project-Level Air Quality Analysis

**Transit Cooperative Research Program (TCRP)**
- **Report 203** - Dialysis Transportation: Intersection of Transportation and Healthcare
- **Report 202** - Handbook for Examining the Effects of Non-Emergency Medical Transportation Brokerages on Transportation Coordination

**Transportation Research Circulars**
- **E-Circular 242** - A Literature Review of Rail Trespassing and Suicide Prevention Research

**Current & Upcoming Projects**

**Current Projects**
- **ACRP 02-81** - Commercial Space Operations Noise and Sonic Boom Measurements
- **ACRP 02-83** - Measuring Quality of Life in Communities Surrounding Airports
- **ACRP 02-84** - High Resolution Spatiotemporal Population Distribution Data and Modeling for Aviation Noise Research Studies
- **ACRP 03-49** - Effective Collaboration to Plan and Respond to Communicable Disease Threats
- **ACRP 04-23** - Social Media Guidebook for Emergency Management
- **ACRP Synthesis 11-03/Topic S06-06** - Supporting Employee Well-being through Workforce Programs
- **NCHRP 05-23** - Effects of LED Roadway Lighting on Driver Sleep Health and Alertness
- **NCHRP 15-68** - Effective Low-Noise Rumble Strips
- **NCHRP 17-90** - Evaluation of Roadside Crash Injury Metrics in MASH
- **NCHRP 25-55** - Assessment of Regulatory Air Pollution Dispersion Models to Quantify the Impacts of Transportation Sector Emissions
- **NCHRP 25-57** - Innovative Mitigation Strategies for Highway Noise
- **NCHRP Synthesis 20-05/Topic 51-18** - Practices for Project-Level Analyses for Air Quality
- **TCRP F-25** - Improving the Safety, Health, and Productivity of Transit Operators Through Adequate Restroom Access
- **TCRP F-26** - Improving the Health and Safety of Transit Workers with Corresponding Impacts on the Bottom Line
- **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
- **BTSCR P BTS-10** - E-Scooter Safety: Issues and Solutions

**Reports from the National Academies Press on Transportation & Health**
- [Coronavirus Resources Collection](#)
- [Pandemic Resources](#)
- [The Intersection of Behavioral Health, Mental Health, and Health Literacy](#)
- [Engaging the Private-Sector Health Care System in Building Capacity to Respond to Threats to the Public's Health and National Security](#)
- [Protecting the Health and Well-Being of Communities in a Changing Climate](#)
- [Examining Challenges and Possible Strategies to Strengthen U.S. Health Security](#)
- [Achieving Rural Health Equity and Well-Being: Proceedings of a Workshop](#)
- [Getting to Zero Alcohol-Impaired Driving Fatalities](#)
- [Examining Challenges and Possible Strategies to Strengthen U.S. Health Security: Proceedings of a Workshop](#)

**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
Task Forces - Search for task force under committee here
  - ADD55T – Arterials and Public Health

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.)

**24th National Conference on Rural Public and Intercity Bus Transportation**
*October 18-21, 2020*
*Charleston, South Carolina*

Webinars – View upcoming webinars, suggest a webinar or add registration information
  - A Research Roadmap for Transportation and Public Health – June 29, 2020
  - Transportation Experiences and Next Steps in the COVID-19 Pandemic – June 16, 2020
  - How Much Will COVID-19 Affect Travel Behavior? – June 1, 2020

Past Webinars
  - 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
  - Understanding Airport Air Quality Management and Public Health – December 12, 2018
  - Airport Response During Communicable Disease Outbreaks – December 11, 2018
  - Establishing a Coordinated Local Family Assistance Program for Airports – September 26, 2018
  - Emergency Preparedness Against Infectious Diseases on Public Transit – August 14, 2018
  - Technology Changes Influencing the Decline of Vehicle Emissions – April 25, 2018
  - Assessing Community Annoyance with Helicopter Noise – March 8, 2018

TRB’s Transportation Research Information Services (TRIS)

TRIS includes the TRB Library and the TRIS Databases (listed below) which are available for 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:

**TRID** – The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation - trid.trb.org

**Publications Index (PubsIndex) Database** – The papers, articles and reports published by the Transportation Research Board, Highway Research Board, Strategic Highway Research Programs or the Marine Board - pubsindex.trb.org
Research in Progress (RiP) Database – Current or recently completed transportation research projects - rip.trb.org

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

Snap Searches - Formerly called 'Overview Guides,' Snap Searches provide a succinct summary of activities in TRB on a given topic including: upcoming events such as conferences and webinars; names of Committees working on relevant issues; and a list of recent reports from TRB and The National Academies - www.trb.org/InformationServices/Snap.aspx

Contact the Library at TRBLibrary@nas.edu or (202) 334-2989