NATIONAL ACADEMIES Sciences Engineering Medicine

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: TRB's Involvement in Research on Communicable Diseases and Public Health from 2013-2023

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 Communicable Diseases within the past 10 years.

Research Needs Statements

- Specific to Transportation and Pandemics

Specialty Reports

- Critical Issues in Transportation for 2024 and Beyond
- Proceedings of a Workshop - Exploring Data and Metrics of Value at the Intersection of Health Care and Transportation
- 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

Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Legal Research Digest 44 - Airports Responding to Public Health Emergencies: Legal Considerations
  - Legal Research Digest 34 - Airport Public Health Preparedness and Response: Legal Rights, Powers, and Duties
- Report 253 - Airport Lessons Learned from the COVID-19 Pandemic
- Report 241 - Toward a Touchless Airport Journey
  - Report 233 - Airport Biometrics: A Primer
  - Report 135 - Understanding Airport Air Quality and Public Health Studies Related to Airports
  - Report 91 - Infectious Disease Mitigation in Airports and on Aircraft
  - Synthesis 126 - Impacts of COVID-19 on Airport Work Models and Strategies
  - Synthesis 99 - Emergency Working Groups at Airports
  - CRP-CD-137 - The Vector-Borne Disease Airport Importation Risk Tool

- Conference Proceedings
  - Proceedings 55 - Airport Roles in Reducing Transmission of Communicable Diseases
  - Proceedings on the Web 29 - The Future of Aviation
  - 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)
  - NCHRP 25-25/Task 105 - A Guidebook for Communications between Transportation and Public Health Communities
  - Report 1072 - Telecommuting, Remote Work, and Hybrid Schedules: Managing the Shift to a Flexible Work Future
  - Report 1002 - Metropolitan Planning Organizations: Strategies for Future Success
  - Report 970 - Mainstreaming System Resilience Concepts into Transportation Agencies: A Guide
  - Report 963 - A Pandemic Playbook for Transportation Agencies (Also TCRP Report 225)
  - Report 932 - A Research Roadmap for Transportation and Public Health
  - Report 769 - A Guide for Public Transportation Pandemic Planning and Response
  - Research Results Digest 393 - Selected Indirect Benefits of State Investment in Public Transportation
  - Research Results Digest 385 - The Legal Definitions of "First Responder"
  - Research Results Digest 383 - Potential Impacts of Federal Health Care Reform on Public Transit

- Special Reports / Consensus Studies
- Report 337 - The Role of Transit, Shared Modes, and Public Policy in the New Mobility Landscape

- Strategic Highway Research Program (SHRP 2)
  - Project Brief - A National Traffic Incident Management Training Course for Incident Responders and Managers

- Transit Cooperative Research Program (TCRP)
  - Legal Research Digest 50 - Public Transit Emergency Preparedness Against Ebola and Other Infectious Diseases: Legal Issues
  - Report 241 - Effective and Inclusive Virtual Public Engagement for Public Transit
  - Report 231 - Recent Decline in Public Transportation Ridership: Analysis, Causes, and Responses
  - 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
  - Synthesis 169 – Pedestrian and Bicycle Safety in Bus Rapid Transit and High-Priority Bus Corridors
  - Synthesis 167 - Partnerships for Equitable Pandemic Response and Recovery
  - Synthesis 158 - Cybersecurity in Transit Systems
  - Web-Only Document 74 - Recent Decline in Public Transportation Ridership: Hypotheses, Methodologies, and Detailed City-by-City Results

- Transportation Insights
- Transportation Insights 2 – Air Quality in Transit Buses

- Transportation Research E-Circulars
  - E-Circular 275 - Measuring and Managing Freight Resilience Workshop
  - 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

- Transportation Research Record (TRR)
  - Open Access Articles – COVID-19 and Transportation

Completed Projects (pending final reports)

- ACRP 03-49 - Effective Collaboration to Plan and Respond to Communicable Disease Threats
- TCRP E-13 - COVID-19 and Transit Air Quality Protections (Insight Event)

Current & Upcoming Projects

- Current Projects
- ACRP 01-52 - Strategic Futuring of Airports and their Role in the U.S. Airport System
- ACRP 02-94 - Update ACRP WebResource 4: Airport Air Quality Resource Library
- ACRP 02-95 - Understanding Airport Air Quality and Public Health Studies Related to Airports: An Update to ACRP Report 135

- ACRP 02-100 - Carbon Removal and Reduction to Support Airport Net-Zero Goals
- ACRP 03-60 - Incorporating Shock Events into Aviation Demand Forecasting and Airport Planning
- ACRP 03-68 - Integration of Contingency Planning for Small Airports
- ACRP 03-70 - Incorporating Technologies into Airport In-Terminal Concession Programs
- ACRP 04-25 - Airports and Communicable Diseases—Preparedness and Response
- ACRP 11-02/Task 44 - Developing an Airport Communicable Disease Response Plan Template
- ACRP Synthesis 11-03/Topic S01-26 - The Landscape of the FBO Industry in 2022
- ACRP Synthesis 11-03/Topic S06-07 - Impacts of COVID to Airport Work Models and Strategies
- ACRP Synthesis 11-03/Topic S10-20 - Identifying Military Resources and Strategies to Improve Civilian Airport Resiliency
- NCHRP 08-128 - Snapshots of Planning Practices
- NCHRP 08-142 - Virtual Public Involvement: A Manual for Effective, Equitable, and Efficient Practices for Transportation Agencies
- NCHRP 08-154 - Guidance for Agencies to Incorporate Uncertainty into Long-Range Transportation Planning
- NCHRP 17-101 - Applying the Safe System Approach to Transportation Planning, Design, and Operations in the United States
- NCHRP 19-19 - Sustaining Zero-Fare Public Transit in a Post COVID-19 World: A Guide for State DOTs
- NCHRP 20-06/Topic 26-04 - Pandemics and Contractual Issues
- NCHRP 20-102(16) - Impacts of Connected, Automated Vehicle Technologies on Traffic Incident Management Response
- NCHRP 23-13 - Transportation Research Related to COVID-19
- NCHRP 23-13(03) - Guide on Truck Rest and Service Areas for Critical Supply Chain Delivery
- 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
- NCHRP Synthesis 20-05/Topic 54-07 - Visualization for Public Involvement
- TCRP A-47 - Transit Capacity and Quality of Service Manual, 4th Edition
- TCRP C-25 - Bus Operator Barrier Design
- 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 H-60 - Lessons Learned from Covid-19: Strategies to Enhance Racial and Social Equity Through Public Transportation As A Community Lifeline
- TCRP J-11/Task 42 - Transportation Services for People With Disabilities and Older Adults during a Pandemic and Other Emergencies: Lessons Learned during the Covid-19 Pandemic
- TCRP J-11/Task 43 - Analysis of Public Transportation Health Impacts and Benefits
- TCRP Synthesis J-07/Topic SB-37 - Transit Agency Goals and Non-Traditional Performance Indicators Focused on Equity

- Upcoming Projects
- NCHRP 08-173 - Impacts of E-Commerce on Travel and Land Use Patterns
- NCHRP 17-103 - A Guide and Toolkit for Strategic Decision-Making to Improve Traffic Safety
- NCHRP 17-118 - Understanding the Impacts of Operational Changes on Safety Performance
- NCHRP 20-24(145) - Harnessing the Safe System Approach to Improve Traffic Safety
- NCHRP 20-44(47) - UAS Operations Practical Skills Pilot Program for State DOTs
- NCHRP 23-13(03) - Guide on Truck Rest and Service Areas for Critical Supply Chain Delivery
- NCHRP 23-13(04) - Scoping Supply Chain Challenges and Solutions amid COVID-19
- TCRP J-11/Task 45 - Future of Commuter Rail in North America

Reports from the National Academies Press on Communicable Diseases

- Coronavirus Resources Collection
- Pandemic Resources

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic

- AME70 - Transportation and Public Health
- AMR10 - Critical Transportation Infrastructure Protection
- AMR20 - Disaster Response, Emergency Evacuations, and Business Continuity
- AMS10 – Air Quality and Greenhouse Gas Mitigation

- AT040 – Transportation of Hazardous Materials
- AV090 - Aviation Security and Emergency Management
- AW040 – Marine Safety and Human Factors

Project Panels

- D08107 - A Guidebook for Emergency Contracting Procedures
- D20112 – Research Roadmap--Public Health and Transportation
- D20116 - Emergency Management in State Transportation Agencies
- D20128 - Organizational and Operational Models used by State DOTs for Emergency Response
- D205936 - Catastrophic Transportation Emergency Management Guidebook
- DA0295 - Understanding Airport Air Quality and Public Health Studies Related to Airports – An Update to ACRP Report 135
- DA0349 - Effective Collaboration to Plan and Respond to Communicable Disease Threats
- DA0423 – Social Media Guidebook for Emergency Management
- DA0425 - Airports and Pandemics---Reducing the Spread of Communicable Diseases
- DA110244 - ACRP Project Panel on Communicable Disease Response Plan Evaluation
- SAS0424 - Practices in Airport Emergency Plans
- STSH23 - Partnerships for Equitable Pandemic Response and Recovery
- TA36 - Command-Level Decision Making for Transit Emergency Managers
- TF30 - Guide for Protecting Transportation Employees and the Traveling Public from Airborne Diseases
- TJ1142 - Transportation Services for People With Disabilities and Older Adults during a Pandemic and Other Emergencies: Lessons Learned during the Covid-19 Pandemic
- TJ1143 - Analysis of Public Transportation Health Impacts and Benefits

Task Forces - Search for *task force* under committee here

Councils

- A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming TRB Conferences – Use left hand menu to filter events

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

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

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

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