



TRANSPORTATION RESEARCH BOARD



## TRB PANDEMIC-RELATED RESOURCES FOR TDM

[Eastern Research Group, Inc.](#) (ERG) compiled the following directory of research and resources from the Transportation Research Board (TRB) for the Association for Commuter Transportation. Each of these resources is available to the public for free via TRB's [website](#). TRB also offers additional resources geared toward a broader transportation audience on a dedicated webpage: [Transportation in the Face of Communicable Disease](#).

### Quick Links:

#### **Transportation and Public Health**

- [NCHRP Research Report 932: A Research Roadmap for Transportation and Public Health](#)
- [NASEM Proceedings of a Workshop: Exploring Data and Metrics of Value at the Intersection of Health Care and Transportation](#)

#### **Emergency Planning & Preparedness**

- [NCHRP Report 525: A Guide to Emergency Response Planning at State Transportation Agencies](#)
- [NCHRP Report 769: A Guide for Public Transportation Pandemic Planning and Response](#)
- [NCHRP Report 777: A Guide to Regional Transportation Planning for Disasters, Emergencies, and Significant Events](#)
- [TCRP Legal Research Digest 50: Public Transit Emergency Preparedness Against Ebola and Other Infectious Diseases: Legal Issues](#)
- [TRB Webinar: Emergency Preparedness Against Infectious Diseases on Public Transit](#)
- [TRB Webinar: Guide to Regional Transportation Planning for Disasters, Emergencies and Significant Events](#)
- [TRB Special Report 312: Transportation Investments in Response to Economic Downturns](#)

#### **Communications**

- [TCRP Synthesis 99: Uses of Social Media in Public Transportation](#)
- [TCRP Report 150: Communication with Vulnerable Populations: A Transportation and Emergency Management Toolkit](#)

#### **Operations**

- [NCHRP Report 525: Guide For Emergency Transportation Operations](#)
  - [NCHRP Web-Only Document 73: Emergency Transportation Operations: Resources Guide for NCHRP Report 525, Volume 6](#)

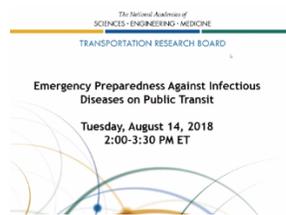
- [TCRP Report 86: Public Transportation Emergency Mobilization and Emergency Operations Guide](#)

**Resources:**



(2019) [NCHRP Research Report 932: A Research Roadmap for Transportation and Public Health](#). States and localities are beginning to recognize and act on the connection between health and transportation. A growing number of entities have produced a number of resources, guidance documents, and strategic plans on the topic. The TRB National Cooperative Highway Research Program's NCHRP Research Report 932: A Research Roadmap for Transportation and Public Health builds upon this body of work to provide a plan for funding research over the next decade that can lead to greater consideration of health issues in transportation contexts. The report includes an Implementation Plan that is outlined in the Health and Transportation

Research Roadmap presentation as well as a document on the research methods and background materials from the project. The 10-year strategic Roadmap will provide a broad overview of highly relevant research needs as well as implementable tools for state DOTs and partners at the intersection of transportation and public health in the U.S.



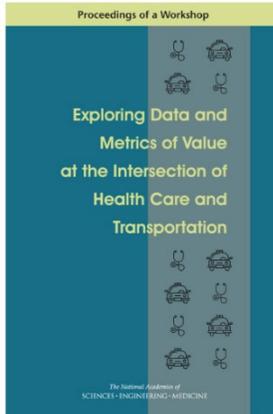
(2018) [TRB Webinar: Emergency Preparedness Against Infectious Diseases on Public Transit](#) examines legal issues that transit agencies may face when an infectious disease epidemic arises. Presenters provided an overview of federal and state laws and available court decisions affecting transit agencies' responses to infectious disease outbreaks, including potential cohesiveness among transit agencies' procedures and federal and state guidance.

Presenters will also discuss developments in infectious disease response that affects transit agencies, such as the CDC's recently revised Quarantinable Communicable Disease rule.



(2017) [TCRP Legal Research Digest 50: Public Transit Emergency Preparedness Against Ebola and Other Infectious Diseases: Legal Issues](#) examines responses to infectious disease epidemics and identifies legal issues that may be confronted by transit agencies. It considers federal and state laws and available court decisions affecting transit agencies' responses to infectious disease outbreaks, including potential cohesiveness among transit agencies' procedures and federal and state guidance. The digest also examines the legal basis for the protocols that public transit agencies and other transportation providers such as airlines have planned or implemented to respond to epidemics and pandemics. This report builds upon the 2014 NCHRP Report 769: A Guide for Public Transportation Pandemic Planning and

Response.

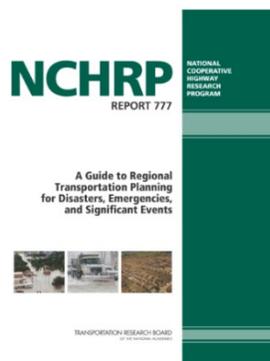


(2016) [NASEM Proceedings of a Workshop: Exploring Data and Metrics of Value at the Intersection of Health Care and Transportation](#). Evidence from the public health sector demonstrates that health care is only one of the determinants of health, which also include genes, behavior, social factors, and the built environment. These contextual elements are key to understanding why health care organizations are motivated to focus beyond their walls and to consider and respond in unprecedented ways to the social needs of patients, including transportation needs. In June 2016, the National Academies of Sciences, Engineering, and Medicine held a joint workshop to explore partnerships, data, and measurement at the intersection of the health care and transportation sectors. This publication summarizes the presentations and discussions from the workshop.

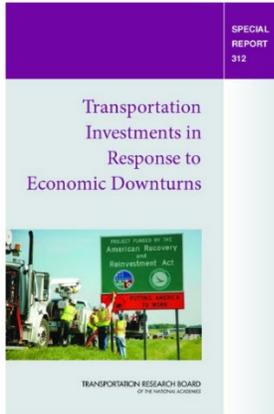
(2015) [TRB Webinar: Guide to Regional Transportation Planning for Disasters, Emergencies and Significant Events](#) provides an overview of NCHRP Report 777: A Guide to Regional Transportation Planning for Disasters, Emergencies, and Significant Events.



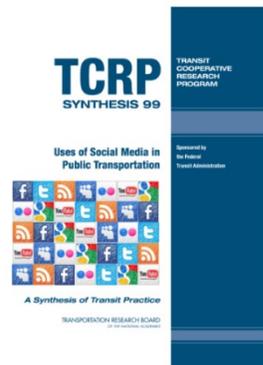
(2014) [NCHRP Report 769: A Guide for Public Transportation Pandemic Planning and Response](#) is designed to assist transportation organizations as they prepare for pandemics and other infectious diseases such as seasonal flu. Addressing decision-making challenges in pandemic response in the transportation context is a multi-dimensional task, involving not only transportation/transit organizations, but health organizations, emergency management agencies, and communications outlets as well. The guide is designed to outline broad guidance on dealing with pandemic preparedness planning, not detailed procedures. It provides information, tools, tips, and guidance on where to find up-to-date recommendations from federal agencies and other resources, prior to and during a pandemic. In addition to the guide, a methodology report and a PowerPoint presentation describing the entire project are available online.



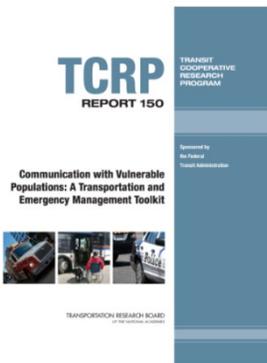
(2014) [NCHRP Report 777: A Guide to Regional Transportation Planning for Disasters, Emergencies, and Significant Events](#) uses foundational planning principles, case studies, tips, and tools to explain implementation of transportation planning for possible multijurisdictional disasters, emergencies, and other major events. In addition to the guide, there is a contractor's final research report and a PowerPoint presentation describing the entire project.



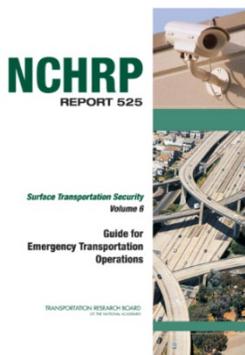
(2014) [TRB Special Report 312: Transportation Investments in Response to Economic Downturns](#) provides guidance for federal and state officials on the best ways to use stimulus funds for transportation in the future and methods for evaluating such investments. The report examines lessons learned and impacts from the states' management of the transportation component of the American Recovery and Reinvestment Act of 2009, which provided \$48.1 billion for U.S. Department of Transportation programs.



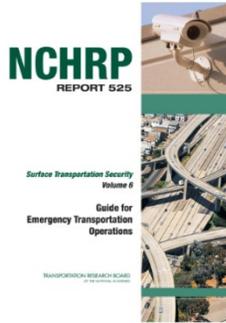
(2012) [TCRP Synthesis 99: Uses of Social Media in Public Transportation](#) explores the use of social media among transit agencies and documents successful practices in the United States and Canada. For the purposes of the report, social media are defined as a group of web-based applications that encourage users to interact with one another, such as blogs, Facebook, LinkedIn, Twitter, YouTube, Flickr, Foursquare, and MySpace.



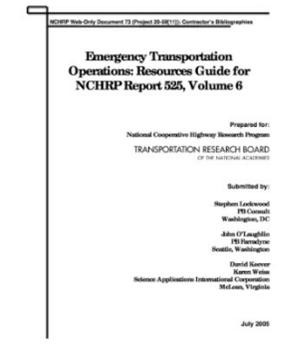
(2011) [TCRP Report 150: Communication with Vulnerable Populations: A Transportation and Emergency Management Toolkit](#) describes how to create a communication process to reach vulnerable populations regarding their transportation options in emergencies. The toolkit provides a guiding framework and tools for constructing a scalable, adaptable communication process built on a network of agencies from public, private, and nonprofit sectors. Together, these partners will form interconnected communication channels with the ability to carry out the function of emergency communication not necessarily possible by working alone.



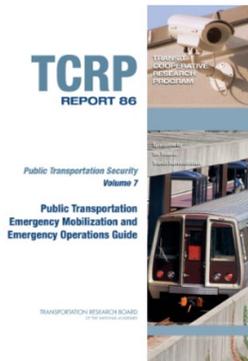
(2010) [NCHRP Report 525: A Guide to Emergency Response Planning at State Transportation Agencies](#) is designed to help executive management and emergency response planners at state transportation agencies as they and their local and regional counterparts assess their respective emergency response plans and identify areas needing improvement.



(2005) [NCHRP Report 525: Guide For Emergency Transportation Operations](#) supports development of a formal program for the improved management of traffic incidents, natural disasters, security events, and other emergencies on the highway system. It outlines a coordinated, performance-oriented, all-hazard approach called “Emergency Transportation Operations” (ETO). The guide focuses on an enhanced role for state departments of transportation as participants with the public safety community in an interagency process.



(2005) [NCHRP Web-Only Document 73: Emergency Transportation Operations: Resources Guide for NCHRP Report 525, Volume 6](#) is a resources guide on emergency transportation operations (ETO) containing bibliographical material that may be useful to readers of NCHRP Report 525, Volume 6.



(2005) [TCRP Report 86: Public Transportation Emergency Mobilization and Emergency Operations Guide](#) examines activities that may be taken by public transportation agencies working with their local communities to promote the early recognition of emergency events, expedite response to emergency events, establish multi-agency coordination, and ensure that public transportation resources are available to support the response to an emergency event.