

AME70 TRANSPORTATION AND PUBLIC HEALTH

Annual Meeting

January 13, 2021

**Exchanging Information and
Communicating**



Exchanging Information and Communicating

Zoom Room Logistics

Meeting will not be recorded

Chat will be recorded/captured

Name yourself with your full name

Use form to sign in or

use Chat

Name, Affiliation, Email

Q/A raise hand and then unmute self

Cameras are good, Let's see you

For Dial-ins

Text 6156686003

Name, Affiliation, Email

sign-in form

<http://bit.ly/signInAME70>

Exchanging Information and Communicating

Meeting slides are posted at our Committee website

<https://www.trbhealth.org>

Direct Links will be also posted in the Chat area

Use [OUR FORM](#) to sign in
On Phone TXT: 6156686003
Name, Affiliation, Email

<http://bit.ly/signInAME70>

Agenda

1. Introductions
2. Chairs' Report
3. AME70 Special Projects
4. Highlighted Reports
5. Round Robin
6. Wrap-up

1. Introductions – TRB Committee Roles

Committees Do:

1. Host a Call for Papers
2. Review Papers
3. Host Workshops and Sessions
4. Liaise and Partner with other Committees and Others
5. Host Mid-Year and Annual Meetings
6. Propose Conferences/Events

Committees Do Not:

1. Conduct Research
2. Advocate
3. Take positions

Mission

To identify, advance and publish research and information to expand and improve current understanding and evaluation of the health impacts of federal, state, regional and local transportation policies, procedures and actions.

<https://www.trbhealth.org/mission>

AME70 Introduction

Objectives

Serve as a focal point for transportation issues and their health impacts

Review, publish, sponsor and develop research to build the knowledge base

Serve as a cross-discipline convener

Use current and evolving communication media and methods

Scope Topics

Sustainable and active transportation modes

Mobility

Accessibility

Safety

Freight and aviation impacts to health

Transportation-related air pollution and noise impacts

Social cohesion

Other social, physical and mental health impacts

Distribution of health impacts in the population

Use of health impact assessments and other metrics

Scope includes a wide array of topics designed to cover diverse impacts and issues related to health, with attention given to vulnerable populations

TRB Ask

“Provide a list of five words that describe your Committee’s scope and objectives”

**Health-promoting
Evidence-based
Cross-sector
Equity
Connector**

Committee and Friends Introductions

Current Members

Members/TRB Staff

Brief Oral Introductions

Name, Org
Current Focus areas
What you are about

Friends and Guest

Use the chat area to sign in

Name, Affiliation, Email

On Phone TXT: 6156686003

or

[TRY OUR FORM](#) see Chat for link

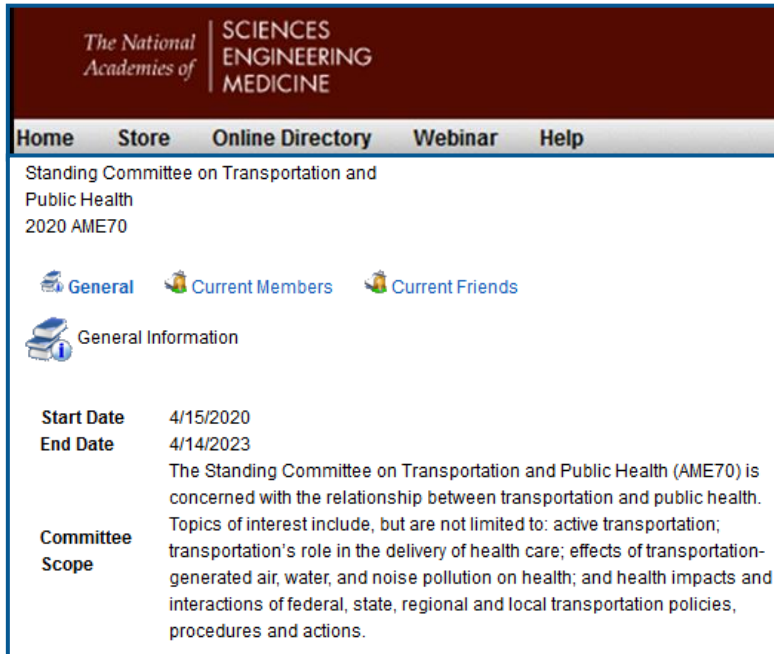
Alina Baciu (Special NASEM Liaison) <i>Health and Medicine Division</i>	Ted Mansfield <i>RSG Inc</i>
Melissa Kraemer- Badtke <i>East Central Wisconsin RPC</i>	Carolyn McAndrews <i>University of Wisconsin, Madison</i>
David Berrigan <i>National Cancer Institute</i>	Leslie Meehan <i>TN Department of Health</i>
Cassandra Gascon Bligh <i>MA Department of Transportation</i>	Keshia Pollack Porter <i>Johns Hopkins University</i>
Eleni Christofa <i>University of Massachusetts, Amherst</i>	Kelly Rodgers <i>Portland State University</i>
Ed Christopher <i>Transportation Planning Consultant</i>	Daniel Rodriguez <i>University of California, Berkeley</i>
Andrew Dannenberg <i>University of Washington</i>	Ipek Sener <i>Texas A&M Transportation Institute</i>
Preston Elliott <i>TN Department of Transportation</i>	Geoffrey Whitfield <i>Centers for Disease Control and Prevention</i>
Faith Hall <i>Federal Transit Administration</i>	Megan Wier <i>City of Oakland DOT</i>

2. Chairs' Report (the year in review)

Stood up Committee
Hit the ground running
Variety of things happening

**Review the past year while
setting the stage for the
future**




AME70 today




The National Academies of SCIENCES ENGINEERING MEDICINE

Home Store Online Directory Webinar Help

Standing Committee on Transportation and Public Health
2020 AME70

 General  Current Members  Current Friends

 General Information

Start Date 4/15/2020
End Date 4/14/2023

Committee Scope The Standing Committee on Transportation and Public Health (AME70) is concerned with the relationship between transportation and public health. Topics of interest include, but are not limited to: active transportation; transportation's role in the delivery of health care; effects of transportation-generated air, water, and noise pollution on health; and health impacts and interactions of federal, state, regional and local transportation policies, procedures and actions.

Members and Membership Plan

25 Core Members (17 filled)

Additional Members

4 Young (1 filled)

5 International (0 filled)

3 Active Emeritus (0 filled)

Additional Add-ons, State DOTs

Up to 4 (2 Core and 2 Add-ons)

Friends via mytrb.org (145 people)

<https://www.mytrb.org>

Listserve (451 emails)

<https://mailman.chrispy.net/postorius/lists/trbhealth.mailman.chrispy.net>

<http://onlinepubs.trb.org/onlinepubs/dva/chair/TRBLeadershipGuide1-35.pdf>

Paper Reviews

Papers Assigned: 32 (32 in 2020)

*** 16 of them COVID-19 related**

Papers Assigned	32 (32)	100%
Presentation only	16 (13)	50% (40%)
Publication only	0 (0)	0% (00%)
Both presentation & publication	16 (19)	50% (60%)

18 Papers Accepted (50%)
16 for Presentation only
2 for Presentation & Publication Review

2020-Last year
17 Papers Accepted (53%)
14 for Presentation only
3 for Presentation & Publication Review

Paper Review Coordinator (*Ipek N. Sener*)

TRB Paper Submission and Review Website

<https://trb.secure-platform.com/a/page/TRBPaperReview2020>

Paper Review Analysis

Received 134 reviews from 90 reviewers

1.5 reviews per reviewer (1.4 in 2020)

4.1 reviews per paper (3.8 in 2020 and 2019)

Reviewer summary

17 people did 3 reviews (committee members) (3 in 2020)

- Each paper was reviewed by at least one committee member

10 people did 2 reviews (26 in 2020)

63 people did 1 review (59 in 2020)

Annual Meeting Activities

Thurs, Jan-21 10-1:00	Workshop 1010 - Identifying Systemic Transportation-related Health Effects of COVID-19 to inform Interdisciplinary Research
Wed, Jan-27 10-11:30	Event 1276 - Understanding transportation and health linkages through examination of policy, infrastructure, and behavior (Poster)
Thurs, Jan- 28 10-11:30	Event 1346 - Transportation as a Social Determinant of Health (Session)
Fri, Jan- 29 02:30-4:00	Event 1462 - Mobility and COVID: Urban form, travel patterns, and health consequences (Poster)

Annual Meeting Activities

Improving Pedestrian Crossing Safety along Major Arterials: Issues and Innovations

Thurs. 1-21, 10-1, Workshop 1001, ACH10, ACP10, **AME70**

Identifying Systemic Transportation-related Health Effects of COVID-19 to inform Interdisciplinary Research

Thurs. 1-21, 10-1, Workshop 1010 AME70

Arrested Mobility: Exploring the Impacts of Over-policing (i.e., policy, police and polity) BIPOC Mobility in the US

Mon. 1-25, 4-5:30, Lectern Session 1123, ACH10, ACH20, ACS10, ACS30, AME20(1), **AME70**

Understanding transportation and health linkages through examination of policy, infrastructure, and behavior

Wed. 1-27, 10-11:30, Poster Session 1276 AME70

Transportation Adaptation: Response and Reflection in Times of Change

Wed. 1-27, 4-5:30, Lectern Session. 1323 AME80, AME10, **AME70**, AMR20

Transportation as a Social Determinant of Health

Thurs. 1-28, 10-11:30, Lectern Session 1346 AME70

Mobility and COVID: Urban form, travel patterns, and health consequences

Fri. 1-29, 2:30-4, Poster Session 1462 AME70

War Games: Prepare Yourself for the Next Global Pandemic

Thurs. 1-21 @ 10, Workshop 1004

Some Current Activities

Meeting with AME80 (Committee on Community Resources and Impacts). Ipek, Geoff , Kelly, Carey

Assisting with the review of a “disability mobility and machine learning data brief” for the AASHTO CTPP program. Carey, Geoff, Ted.

TRB Gender Data subcommittee. Carey

FHWA Federal Lands project on Integrating Public Health in Public Land Transportation Planning. Andy, Faith and Amy Plovnick, Volpe

Building relationship with Committee on Strategic Management Committee (AJE10)

APTA and CDC TCRP proposal on *Identifying components of transit-oriented communities (TOCs) that provide the most public health benefits and increase transit ridership while reducing costs.* Faith, et al

Some Current Activities



**Abstract Submission Deadline
February 19, 2021**

AME70 Contact: [Keshia Pollack-Porter](#)

<https://trb.secure-platform.com/a/page/transportationequity/AbstractCall>



Transportation and Health Activities

AME70 Contact: [Kelly Rodgers](#) *Trans. and Health Resource Clearinghouse
Coming Soon*

<https://www.ite.org/technical-resources/topics/transportation-and-health>

Future Activities

Workshop Circular
CHAT Extension Workgroup
Association Assembly
Research Development
2022 Annual Meeting

(workshops, session, paper calls)

Membership Development

Committee Infrastructure (TSPs, involving friends, webpage, social media, etc)

Reviewing Mission, Scope, Objectives

Webinars
Special Meetings
New stuff

*Note: Not on list
Internal TRB committee
liaising and coordination*

Coordinating Councils

Scope out, see how they work, assess AME70 involvement

Young Members

<https://www.mytrb.org/OnlineDirectory/Committee/Details/5191>

International

<https://www.mytrb.org/OnlineDirectory/Committee/Details/5195>

City Transportation Issues

<https://www.mytrb.org/OnlineDirectory/Committee/Details/5196>

Rural Transportation

<https://www.mytrb.org/OnlineDirectory/Committee/Details/6413>

3. AME70 Special Project Updates

Communications Guide Dissemination Team (Faith Hall)

CHAT Extension Team (David Berrigan)

TRB Health Roadmap (Andy Dannenberg)

Association Assembly (Eleni Christofa)

TRB Committee Communications Coordinator (Carey McAndrews)

TRB Committee Research Coordinator (Daniel Rodriguez)

Communications guidebook

Guidebook for Communications between Transportation and Public Health Communities

NCHRP 25-25/Task 105

Guidebook <http://onlinepubs.trb.org/onlinepubs/nchrp/docs/NCHRP25-25Task105/NCHRP25-25Task105Guidebook.pdf>

Quick Reference document

<http://onlinepubs.trb.org/onlinepubs/nchrp/docs/NCHRP25-25Task105/NCHRP25-25Task105QuickReference.pdf>

Brochure <http://onlinepubs.trb.org/onlinepubs/nchrp/docs/NCHRP25-25Task105/Task105-Brochure.pdf>

Presentation http://onlinepubs.trb.org/onlinepubs/nchrp/docs/NCHRP25-25Task105/NCHRP_25-25_Task105_TandH_Guidebook_PresentationWithNotes_FINAL.pptx

Recorded Presentation <https://vimeo.com/335204591>

<https://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=4101>

Communications Guide- The Team

Communications Guide Dissemination Team

(Faith Hall, lead)

Ipek Sener

Kelly Rodgers

Preston Elliott

Cassandra Gascon Bligh

Ann Steedly

Katharyn Kryda

Steve Yaffe

Ruth Rosas



NCHRP 25-25 TASK 105:

Connecting Transportation and Health: A Guide to Communication and Collaboration

Your Name Here!

Guidebook Prepared for the AASHTO Committee on Environment and Sustainability

Report Authors:

Planning Communities LLC

- Ann Steedly - Principal Investigator
- Teresa Townsend
- Brandy Huston
- Leigh Blackmon Lane, Louis Berger
- Chris Danley, Vitruvian Planning
- Ann Hartell, NCHRP Manager

Technical Working Group:

- Amber Dallman, Minnesota DOT – Panel Chair
- Noel Alcala, Ohio DOT
- Jason Broehm, USDOT
- Ed Christopher, Consultant
- Tom Hanf, Michigan DOT
- Karin Landsberg, Washington DOT
- Carolyn McAndrews, University of Wisconsin-Madison
- Ipek Sener, Texas A&M Transportation Institute
- Leslie Meehan, Tennessee Dept. of Health
- Stephanie Millar, Oregon DOT
- Victoria Martinez, FHWA Liaison, USDOT

The Goals for Developing the Guidebook



Build on best practices for transportation and health collaboration



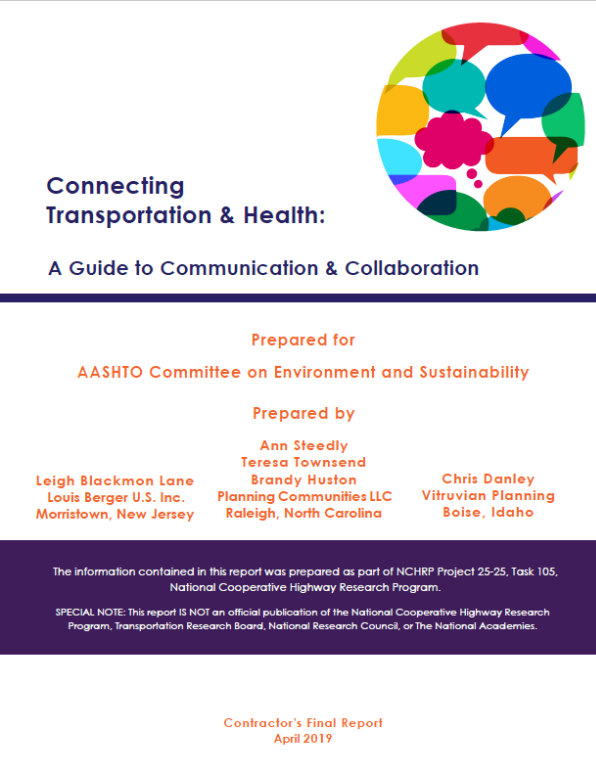
Create an accessible, practitioner-ready communications guidebook



Provide resources to support effective communications for a wide range of users

Research Products

- ➔ Communications Guidebook and Tools
- ➔ Recorded Overview Presentation
- ➔ Presentation Slides with Speaker Notes
- ➔ Summary Brochure
- ➔ Project Summary Report



**Connecting
Transportation & Health:**
A Guide to Communication & Collaboration

Prepared for
AASHTO Committee on Environment and Sustainability

Prepared by
Ann Steedly
Teresa Townsend
Leigh Blackmon Lane
Louis Berger U.S. Inc.
Morristown, New Jersey
Brandy Huston
Planning Communities LLC
Raleigh, North Carolina
Chris Danley
Vitruvian Planning
Boise, Idaho

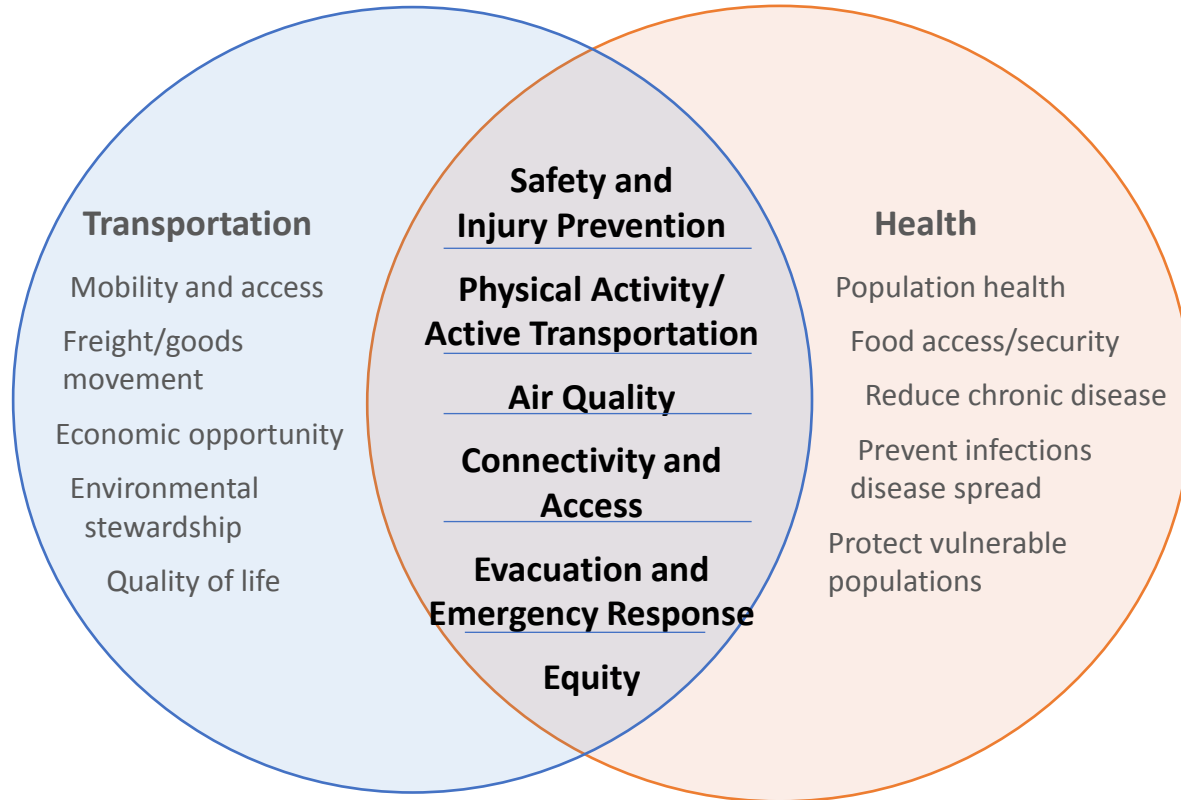
The information contained in this report was prepared as part of NCHRP Project 25-25, Task 105, National Cooperative Highway Research Program.

SPECIAL NOTE: This report IS NOT an official publication of the National Cooperative Highway Research Program, Transportation Research Board, National Research Council, or the National Academies.

Contractor's Final Report
April 2019


<http://bit.ly/TransportationHealthCommunicationsGuidebook>

Key Intersections



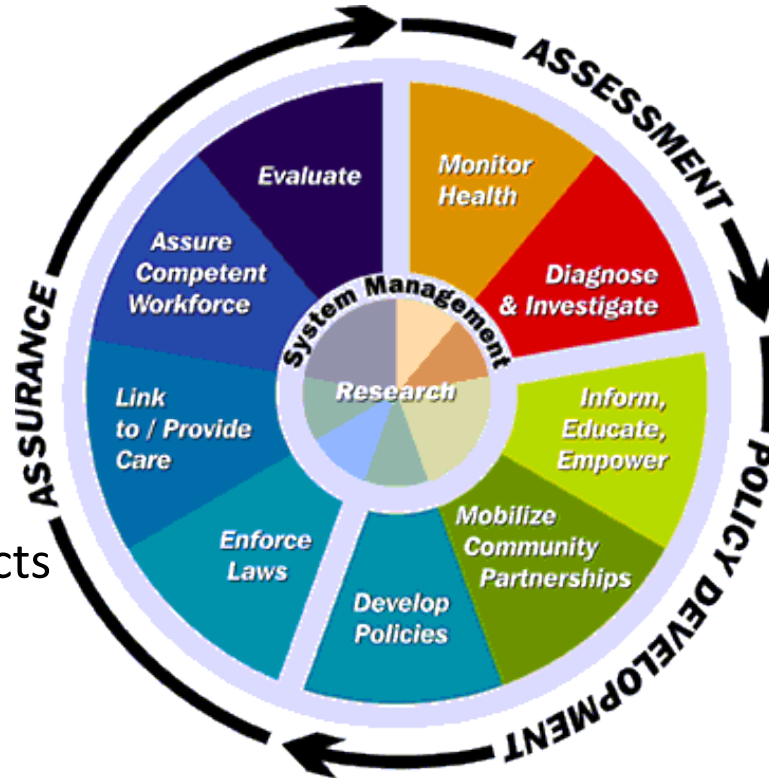
How do transportation and health relate?

 FHWA Health in Transportation Objectives






 Transportation and Health Intersections

Health Processes and Initiatives

- Health in all Policies
- Community Health Needs Assessment (CHNA)
- Community Health Improvement Plan (CHIP)
- Health Impact Assessment (HIA)
- Infrastructure Projects
- Health Districts
- Health Campaigns



What are the key goals and process steps for health?

-  Health Process Steps
-  Common Public Health Goals
-  Intersecting Transportation and Health in Clackamas County, OR
-  Spokane Regional Health District
-  Wabasso, Florida Community Infrastructure Improvements

What does Transportation & Health collaboration look like?

- Health professionals working on Safe Routes to School and increased physical activity
- Metropolitan Planning Organizations integrating health impacts into their plans and project selection criteria
- Applying tools like the FHWA Health in Corridor Planning Framework to inform decisions
- Public Health initiatives for car seat checks and helmet fittings
- Formal cooperation between Departments of Public Works, Planning, Health, and Safety
- Interdisciplinary walk audits



For More Information

NCHRP 25-25 TASK 105:
Connecting Transportation and Health



Process Steps and
Integration Opportunities



Fundamental Concepts
Defined



Tools, Tips and Resources



Case Studies

TRB Committee on Transportation and Public Health AME70

www.trbhealth.org

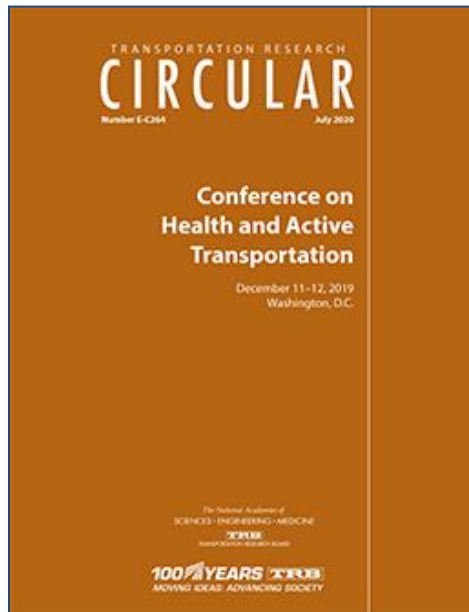
<http://bit.ly/TransportationHealthCommunicationsGuidebook>

CHAT Extension Team

The CHAT December 2019

Themes

- Building Strategic Institutional Relationships
- Research needs
- Innovative practices



**E-Circular 264
June 2020**

<http://onlinepubs.trb.org/onlinepubs/circulars/ec264.pdf>

CHAT Extension Team

The CHAT Extension Team

(David Berrigan, lead)

Janet Wojak

Andy Dannenberg

Ted Mansfield

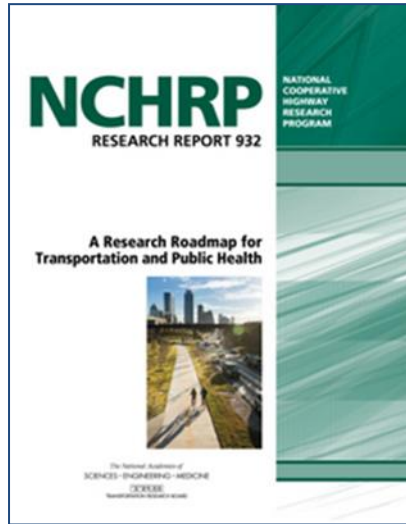
Geoff Whitfield

Kelly Rodgers

Michelle Lee

Kate Robb

Ann Steedly



A Research Roadmap for Transportation and Public Health

NCHRP Research Report 932
December 2019

[Webinar with Slides](#)

<https://www.nap.edu/catalog/25644/a-research-roadmap-for-transportation-and-public-health>

Research Activities, 2020-2021

- NCHRP Research Report 932: [A Research Roadmap for Transportation and Public Health](#). 2019. PI: Laura Sandt
- NCHRP problem statement submitted: “Evaluating and integrating emerging data sources to support health-promoting transportation planning and operations” ([VOTE Yes on Problem Number: 2022-B-27](#)) <https://apps.trb.org/nchrpballoting/BallotingDocs/B-27prob.htm>
- Manuscript - Dannenberg, Rodriguez, Sandt. Advancing research in transportation and public health: a selection of twenty project ideas from a U.S. research roadmap. *Journal of Transport and Health, in Press 2021*

Research Activities, 2020-2021

TRB Conference on Health and Active Transportation (CHAT). December 2019, Washington DC

CHAT Circular

[Transportation Research Circular E-C264.](#)

Proceedings of CHAT Conference. July 2020

Manuscript(s) based CHAT conference now in discussions. Led by David Berrigan, NCI



Research Activities, 2020-2021

[E-C267: Summary of Transportation Research Needs Related to COVID, October 2020](#) (includes public health [Problem Statements](#))

- G1. Understanding the role of transportation in the spread of COVID-19 and what could be done to lessen that role
- G2. Understanding the role of land use density in relation to the incidence of infection, and implications for planning and policy
- G3. Reconsider how streets and public spaces can be adapted to facilitate increased biking and walking
- G4. Engaging the health community in protocols for protecting transportation workers and system users
- G5. Transportation options for essential workers that are safe, widely available, and where cost is not a factor
- G6. Recovery phase: providing safe access and mobility during pandemic recovery

Research Activities, 2020-2021

[E-C267: Summary of Transportation Research Needs Related to COVID, October 2020](#) (includes public health [Research Needs Statements](#))

Adjusting to the “new normal” to protect the traveling public and transportation professionals

Carpooling during a respiratory pandemic

COVID-19 locality vulnerability assessment

Reducing the risk to passengers and operators by designing easily disinfected transit interiors

Understanding pollution’s role in the spread of COVID-19

Association Assembly

Working Concept

Establish and maintain relationships with professional organizations

Develop joint initiatives

Facilitate information exchange

Maintain directory of contacts

What do you think?

Association Assembly
Eleni Christofa
Kate Robb
Kelly Rodgers

Association Assembly Form
<https://forms.gle/Qi4DkG6isGU674H49>

Association Assembly

Current Status

Compiling a list of professional organizations

An email should be going out soon

Planning a kick-off meeting with interested organizations for March/April

TRB Coordinators

Research Coordinator (*Daniel Rodriguez*)

Committee Research Coordinator's Website

<https://sites.google.com/view/trbcrc/home>

Communication Coordinator (*Carey McAndrews*)

Committee Communications Coordinators Website

<http://www.trb.org/AboutTRB/CCC.aspx>

Research (CRC report)

2022-B27 Evaluating and Integrating Emerging Data Sources to Support Health-Promoting Transportation Planning and Operations

For AASHTO balloting in early February; April decision

FHWA:

- Impact of adjusting active transportation project scoring methodologies (based on the data) in the STIP, TIP, or other planning documents to influence project prioritization.
- Demonstrating how integrating the emerging data sources can inform performance-based planning for health in transportation.

NAS:

- Already studied extensively in the health and medicine field, this scope must include privacy, and data collection and storage considerations.

CRC meeting last week –timely update

- Writing RNS and Problem Statements
- Obtaining Funding for your Problem Statements
- Sharing Results and Value, and Implementing the Results
- Success Stories on the Research Cycle

Communications

Carey McAndrews (organizer)

Angie Byrne

Emma Vinella-Brusher

Ipek Sener

Amy Ingles

Michelle Lee

Bradyn Nicholson

Kara Peach

Ed Christopher

4. Highlighted Reports

**USDOT Health in Transportation (HinT) Work Group
(Victoria Martinez, FHWA)**

CDC (Ken Rose)

NIH (David Berrigan)

Integrating Health into Transportation Planning

Victoria Martinez, AICP

FHWA, Office of Natural Environment



The Framework



- People first
- Six steps common to corridor planning studies
- Information to integrate public health at each step
- Practitioners apply information they need into the corridor study

2015 Test Corridors



Classen Avenue, OKC



South Arlington Corridor, Akron, OH



SR 109, Nashville, TN



College Avenue, Appleton, WI



Haddon Ave., Camden, NJ

2020 Test Corridors



US 101 San Luis Obispo, CA



I-10 Corridor, Houston, TX



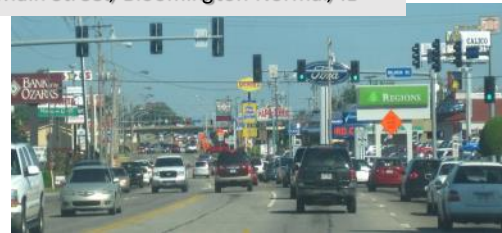
SR 224, Summit County, UT



Main Street, Bloomington-Normal, IL



Central Ave Trail, Prince George's County, MD



Rodgers Ave, Fort. Smith, AR

Source:

https://www.fhwa.dot.gov/planning/health_in_transportation/planning_framework/connections.cfm

Making the Connections – Economic Benefits of Access to Essential Services

BY THE NUMBERS

40 SPONSORED public transit systems

Minnesota DOT worked with local councils on aging to rapidly expand public transit service in the state between 2008 and 2014. Jointly sponsored public transit systems grew from 9 to 43.

14,000 ^{\$†} more jobs

When the Hiawatha light rail line in Minneapolis, Minnesota opened, transit accessible jobs increased by 14,000.

191% INCREASE [↑] in property values ^{\$\$\$}

Land use and transportation agencies in Evanston, IL, coordinated policies to increase property values, allowing the city to lower its tax rate.

\$700 MILLION in savings ^{\$}

A study from the Transit Cooperative Research Program found that coordinating transportation and health services can save millions nationwide.

Access is an essential service common to all communities. Residents need access to healthy food, healthcare, social connections, and jobs or education. Businesses need a productive workforce and consistent customer base. Workers need reliable access to jobs at an affordable commuting cost. Communities that integrate transportation and business interests tend to be economically robust – which translates into a continuously increasing tax base. When all transportation modes are safe and convenient, residents need government services less. Everyone can access a greater number and variety of jobs and support a thriving local economy.

https://www.fhwa.dot.gov/planning/health_in_transportation/outreach/

What can you do to support your local economy?

Informed transportation decisions ensure safe and reliable transportation access for the entire community. Individual transportation agency staff contribute to decisions that promote job access, improve exercise, and sustain a healthy lifestyle. In other words, decisions that positively impact health and the local economy.

The Federal Highway Administration has guidelines necessary facts and real-world examples into a series of short brochures to help transportation practitioners improve access options, while promoting health and supporting the local economy. Look for individual brochures on Active Transportation, Complete Streets, Rural and Small Town Transportation, Interagency Cooperation, and Public Transit.



ECONOMIC BENEFITS IN TRANSPORTATION

MAKING CONNECTIONS



Six brochures about the economic benefits of including safe, multi-modal access and health consideration in transportation planning and programming

https://www.fhwa.dot.gov/planning/health_in_transportation/outreach/

What Are the Economic Benefits of Transportation?

FOR COMMUNITY MEMBERS

Increased residential property values and neighborhood stability

Homes located near transportation or walkable areas see a decrease in vacancy rates, higher property values than similar properties without transit access, and, according to a survey from the National Association of Realtors, over 50% of people look for a home with sidewalks and places to walk. Several studies have also shown increased property values of homes located near transit.

Improves wellbeing of residents

Being in good health can be good for your wallet. Exercise, including walking and jogging, improves a person's overall health, and can reduce stress and related medical expenses. One study found that people using transit were shown to be more likely to exercise than those that do not exercise.

Connects people to jobs

Land use and transportation planning decisions can improve mobility for providing safe and convenient transit systems. Access to school, work, affordable housing, or critical services can make a major difference in people's lives. For example, public transit can provide up to 1.5 times more jobs to a worker with high unemployment, compared to a worker with low unemployment.



FOR LOCAL GOVERNMENTS

Increased tax revenues

Communities that have increased tax revenues provide opportunities for local governments to invest in sidewalks, blue buses, and trails can generate a multiplier effect, attracting new businesses and investments, and increasing retail sales. With increased sales and property taxes, local governments will receive more in tax revenue without raising rates.

Decreased demand for government services

Public transit can be a lifeline to finding and holding a job. Targeted public transit systems have shown a 10 and 17.0 in wage and societal benefits for every \$1 invested in the transit system. Engaged or engaged services can attract and/or retain talent, which can reduce overall operating costs.

Attracts Business Investment

Coordinating land use planning and transit services can create attractive neighborhoods for new businesses. Small businesses are more likely to choose locations in transit-oriented neighborhoods with robust transit services. Realistic transit-oriented neighborhoods depend on specific coordination between land use and transportation agencies.

FOR BUSINESSES

Increased sales and decreased vacancies

Public transit systems with fast, reliable service and transit design encourage people to get out of their cars. Many local businesses have seen sales increase just after adding sidewalks, bike lanes, transit, or public seating measures. In fact, multimodal, pedestrian-friendly commercial vacancies by 50-70%.

Expanded labor pool

Public transit connects more people to jobs, providing options for job seekers and hiring companies alike. A study of three metropolitan districts found that increasing public transit investment from their plans would reduce their labor pool by over a million employees, due to increased transit rates.

Supports tourism and related spending

Being in a new or growing industry in many areas (tourism and retail sales). Trails and other bicycle facilities can draw visitors and create opportunities for supportive services and retail.



Source

https://www.fhwa.dot.gov/planning/health_in_transportation/outreach/

4. Highlighted Reports

USDOT Health in Transportation (HinT) Work Group
(Victoria Martinez, FHWA)

CDC (Ken Rose)

NIH (David Berrigan)



Creating An Active America, Together



**Ken Rose, Acting Branch Chief
Physical Activity and Health Branch,
Centers for Disease Control and Prevention**

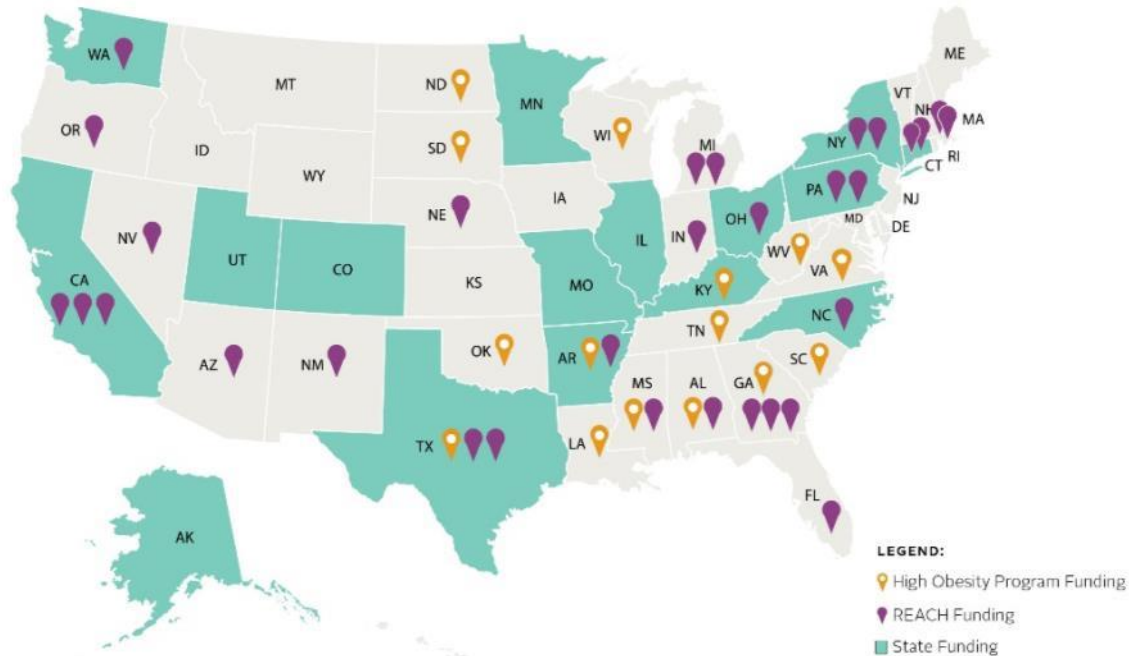


Strategies that Work





DNPAO's Funded Program Recipients



■ State Physical Activity and Nutrition (SPAN) Program

- 16 state and local recipients strengthening efforts to implement interventions that support healthy nutrition, safe and accessible physical activity, and breastfeeding

📍 High Obesity Program (HOP)

- 15 land grant universities leveraging community extension services to increase access to healthier foods and opportunities for physical activity in counties that have more than 40% of adults with obesity

📍 Racial and Ethnic Approaches to Community Health (REACH) Program

- 31 organizations aiming to improve health, prevent chronic diseases, and reduce health disparities among racial and ethnic populations with the highest risk, or burden, of chronic disease

<https://www.cdc.gov/nccdphp/dnpao/state-local-programs/>



Benefits of Physical Activity

Health Benefits of Physical Activity for Adults

IMMEDIATE

A single bout of moderate-to-vigorous physical activity provides immediate benefits for your health.

- Sleep**
Improves sleep quality
- Less Anxiety**
Reduces feelings of anxiety
- Blood Pressure**
Reduces blood pressure

LONG-TERM

Regular physical activity provides important health benefits for chronic disease prevention.

- Brain Health**
Reduces risks of developing dementia (including Alzheimer's disease) and reduces risk of depression
- Heart Health**
Lowers risk of heart disease, stroke, and type 2 diabetes
- Cancer Prevention**
Lowers risk of eight cancers: bladder, breast, colon, endometrium, esophagus, kidney, lung, and stomach
- Healthy Weight**
Reduces risk of weight gain
- Bone Strength**
Improves bone health
- Balance and Coordination**
Reduces risks of falls

Source: Physical Activity Guidelines for Americans, 2nd edition. August 2019

Regular Physical Activity Helps Lower Your Cancer Risk

Source: Physical Activity Guidelines for Americans, 2nd edition (Chapter 2, page 32). August 2019

LEARN MORE AT
www.cdc.gov/physicalactivity/basics



August 2019



Active People, Healthy Nation Champions



Champions Corner

SAMPLE MAYORAL PROCLAMATION

This Sample Mayoral Proclamation is part of the Centers for Disease Control and Prevention (CDC), Division of Nutrition, Physical Activity, and Obesity's (DNPAO) Active People, Healthy NationSM initiative that aims to help 27 million Americans become more physically active by 2027. Part of this initiative is engaging decisionmakers to become Active People, Healthy Nation Champions in order to help achieve strategies that work. This document is a sample of a proclamation that allows for choosing from a variety of strategies that can support this effort.

This sample proclamation is for informational purposes only and is not intended to influence the passage of any specific proclamation, legislation, or other measure.

WHEREAS, the mayor of [CITY, STATE] is committed to supporting a thriving, vibrant, and healthier community for residents of all ages and abilities;

WHEREAS, the government of [CITY, STATE] recognizes the importance of providing access to safe and convenient places to be physically active for people regardless of age, race, income, socio-economic status, disability status, and geographic location;

WHEREAS, approximately 1 in 5 children and 2 in 5 adults in the U.S. have obesity;

WHEREAS, 1 in 2 adults live with a chronic disease and about half of this group have two or more chronic diseases;

WHEREAS, about 1 in 4 young adults (25%) is too heavy to serve in our military;

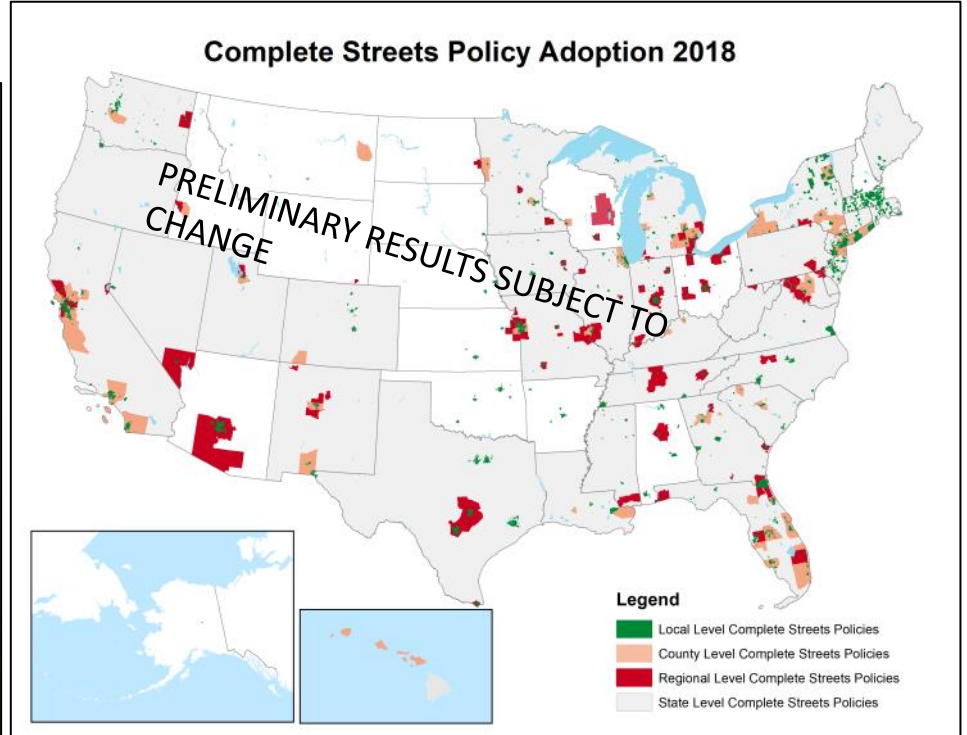
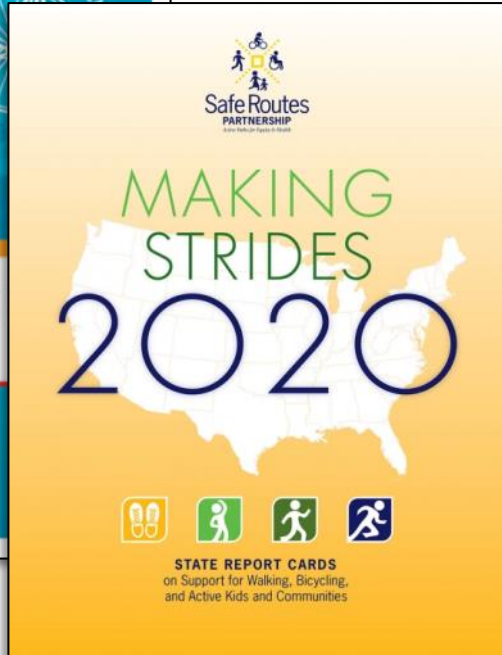
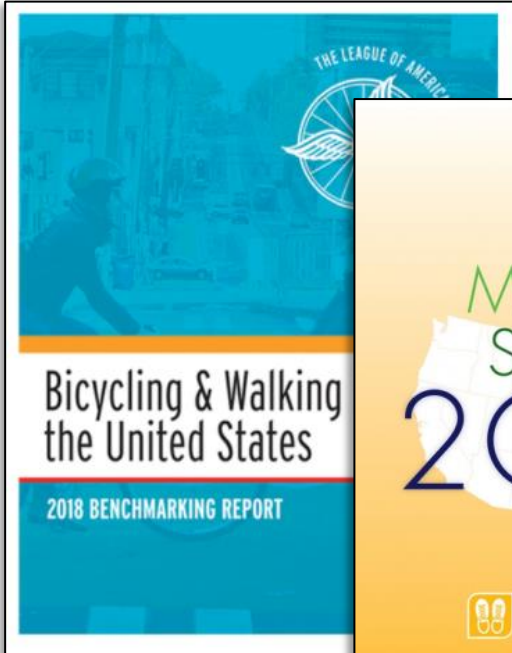
WHEREAS, the Physical Activity Guidelines for Americans recommend that children (ages 6-17 years) do 60 minutes or more of moderate-to-vigorous intensity physical activity each day and adults (ages 18 years and older) do at least 150 minutes a week of moderate intensity activity such as brisk walking;

WHEREAS, only half of adults and one quarter of youth get the recommended amounts of aerobic physical activity they need to help reduce and prevent chronic diseases;

WHEREAS, physical activity is vital for healthy aging and can reduce the burden of chronic diseases and prevent early death;



Data





Complete Streets: Ongoing Measurement Project

- Ongoing project with Smart Growth America to better measure Complete Streets Policy population and land coverage.
- Update previous map series with more granular spatial data.
- Preliminary Analysis Complete.

Using GIS to quantify:



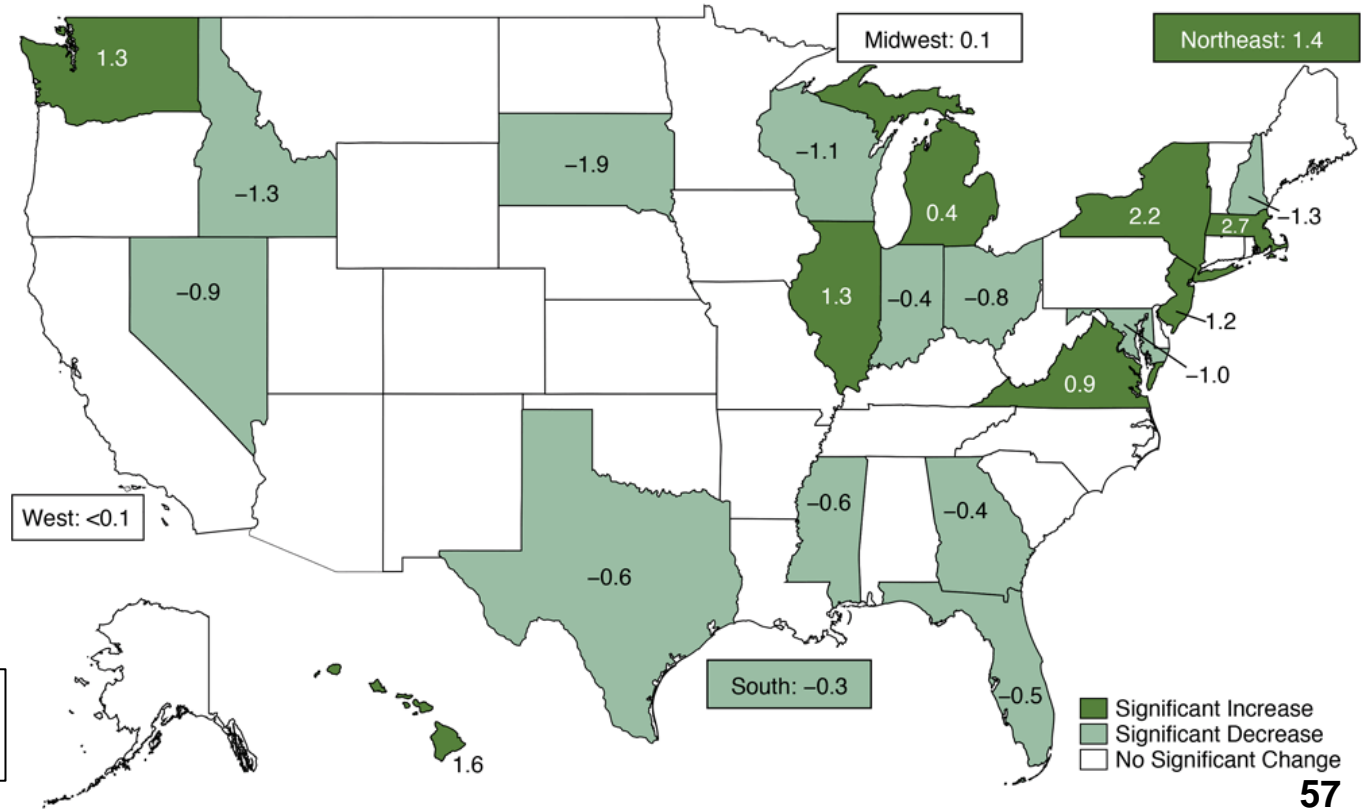
% of population and land area covered by:

- Local-level policies
- County-level policies
- Local- or County-level policies
- State-level policies



Recent Paper: Monitoring State-Level Changes in Walking, Biking, and Taking Public Transit to Work — ACS, 2006 and 2017

Significant percentage point changes in combined active commuting to work (walk, bike, or transit)



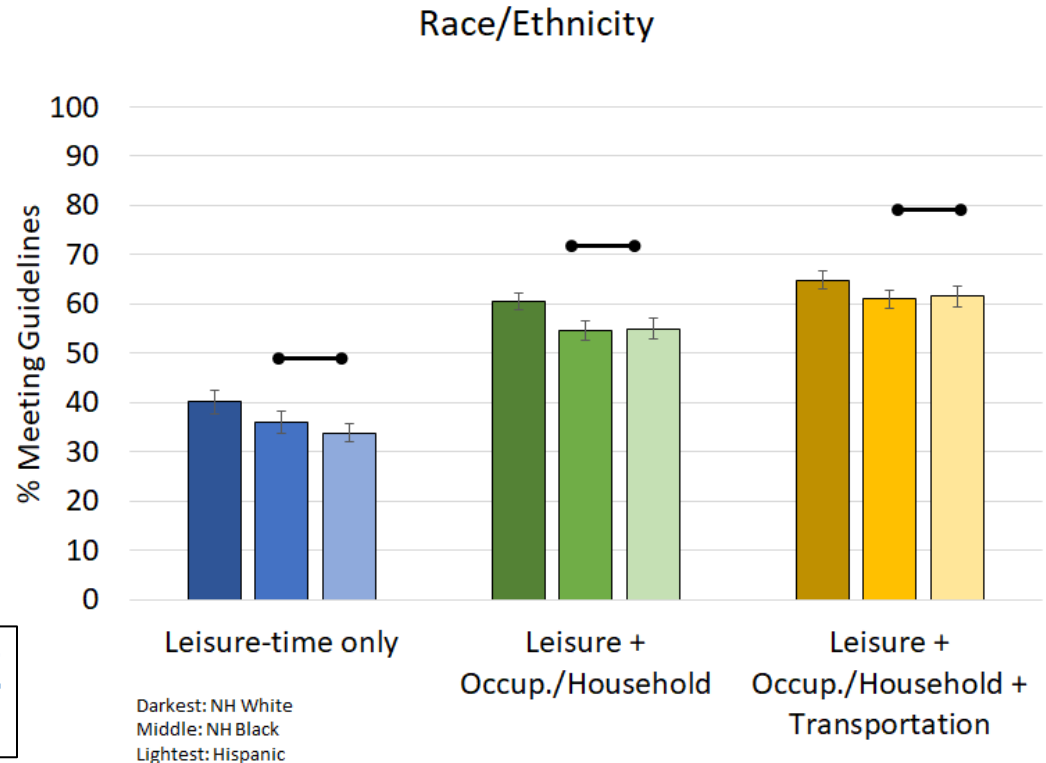
[Whitfield, et al. Preventing Chronic Disease, Oct 2020](#)



Recent Paper: Combining Data From Assessments of Leisure, Occupational, Household, and Transportation Physical Activity Among US Adults, NHANES 2011–2016

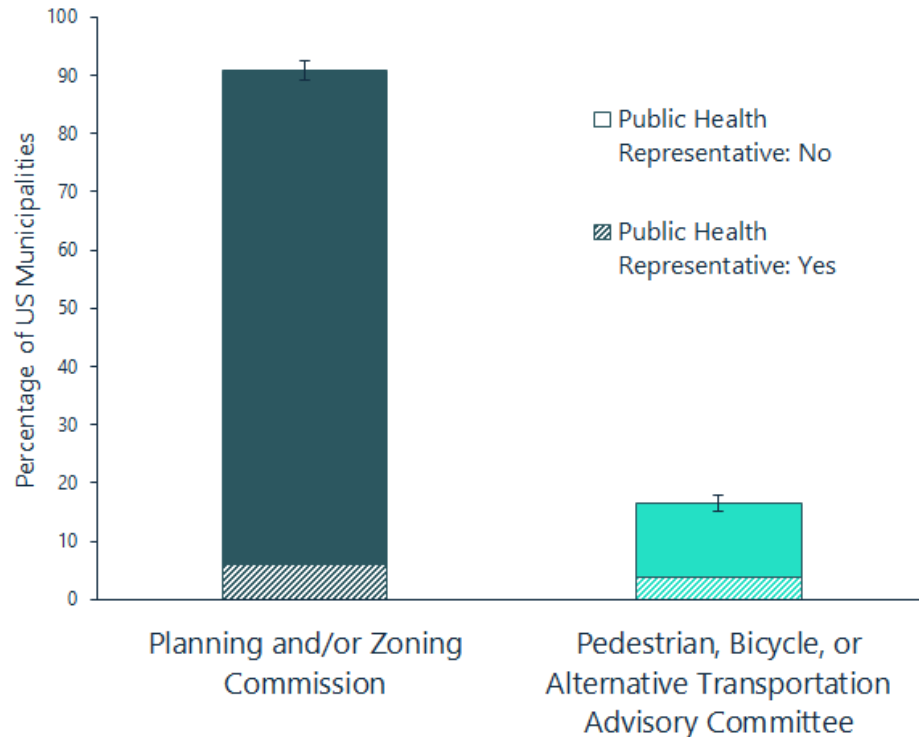
Proportion of adults meeting the aerobic guideline using three combinations of activity domains, stratified by racial/ethnic group

https://www.cdc.gov/pcd/issues/2020/20_0137.htm





Recent Paper: Public Health Representation on Active Transportation Bodies Across US Municipalities



- Most US municipalities had a planning or zoning commission, but few had an active transportation advisory committee
- Planning bodies were less common among municipalities with certain characteristics:
 - Smaller in population
 - Rural
 - Located in the South
 - Lower educational attainment
- Public health representation on both types of planning bodies was low, although more common among advisory committees than planning or zoning commissions

Omura JD *et al.* J Public Health Manag Pract. 2020

<https://pubmed.ncbi.nlm.nih.gov/32487920/>



HI-5: Public Transportation



<https://www.cdcfoundation.org/programs/hi-5>

<https://www.cdc.gov/policy/hst/hi5/publictransportation/index.html>



Public transportation drives health by moving people.

PROBLEM In the United States, 45% of people have no access to public transportation,¹ making it difficult to access jobs, food, education, healthcare services, and social connections.

SOLUTION All modes of public transportation are important, but bus routes play a special role in the lives of Americans. Frequent and reliable bus routes allow for service to more destinations over a larger area and can adapt to meet the changing needs of communities. Buses are also used by more people who depend on public transportation, thereby providing greater equity benefits.²

RESULTS Increasing access to frequent, reliable public transportation can lead to fewer traffic vehicle crashes, reduced air pollution and associated respiratory illnesses, and increased physical activity levels.³ Even people who don't use public transportation benefit from less traffic congestion, less pollution, and lower community costs for healthcare. Buses can connect more people to everyday destinations by allowing riders to get closer to their final destinations.

What is Public Transportation?

Public transportation varies by community and includes many mobility options for the public such as:

- BUSES
- LIGHT RAIL
- PARATRANSIT
- SUBWAY SYSTEMS

How Can Public Transportation Improve Economic Development and Health?

PEOPLE

- Increases access to jobs, schools, grocery stores, and medical care
- Increases physical activity
- Reduces respiratory symptoms including asthma
- Helps overcome limited resources for families who would struggle to pay for a private vehicle
- Provides personal mobility and freedom

COMMUNITIES

- Improves air quality by reducing pollution
- Reduces injuries and deaths from motor vehicle crashes
- Reduces traffic congestion, improving air quality and quality of life for all
- Revitalizes communities and stimulates local economies



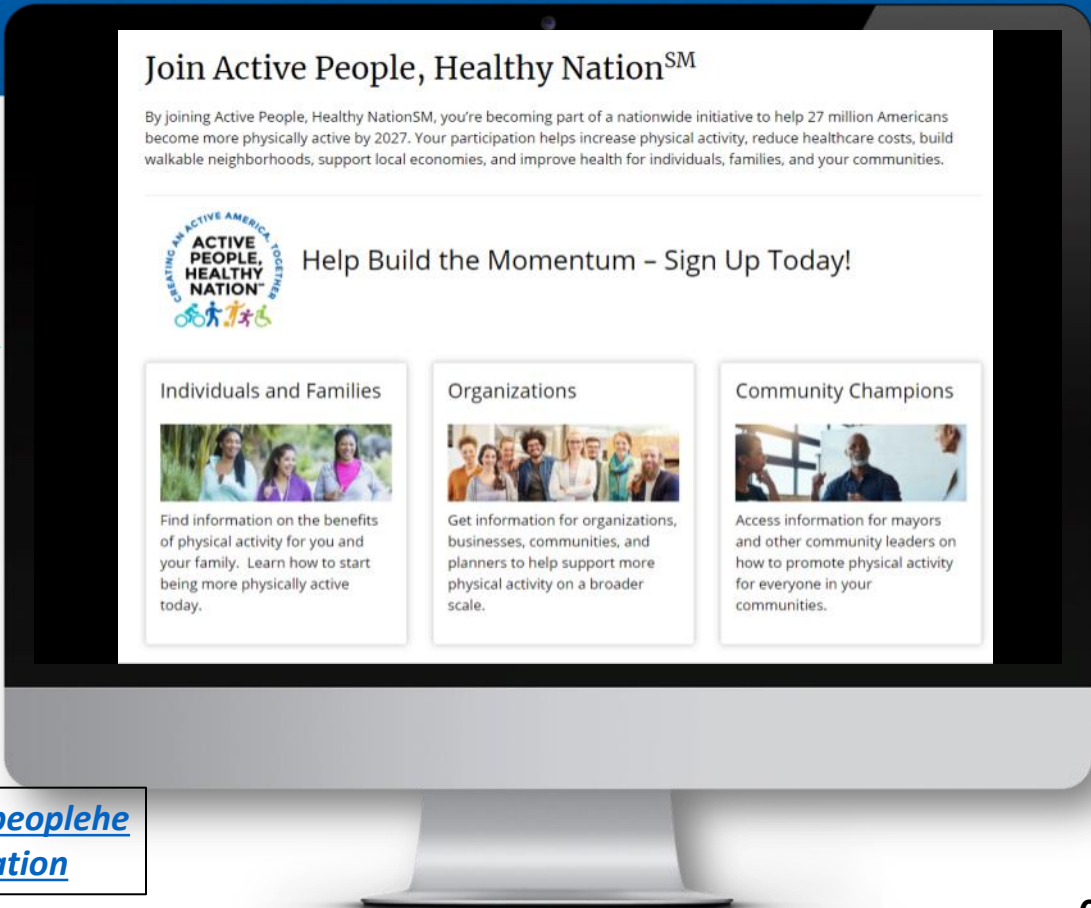
CDC Foundation
Together our impact is greater



Join today!



<https://www.cdc.gov/physicalactivity/activepeoplehealthynation/join-active-people-healthy-nation>



Join Active People, Healthy NationSM

By joining Active People, Healthy NationSM, you're becoming part of a nationwide initiative to help 27 million Americans become more physically active by 2027. Your participation helps increase physical activity, reduce healthcare costs, build walkable neighborhoods, support local economies, and improve health for individuals, families, and your communities.



Help Build the Momentum – Sign Up Today!

Individuals and Families



Find information on the benefits of physical activity for you and your family. Learn how to start being more physically active today.

Organizations



Get information for organizations, businesses, communities, and planners to help support more physical activity on a broader scale.

Community Champions



Access information for mayors and other community leaders on how to promote physical activity for everyone in your communities.

4. Highlighted Reports

USDOT Health in Transportation (HinT) Work Group
(Victoria Martinez, FHWA)

CDC (Ken Rose)

NIH (David Berrigan)

Transportation and Public Health: Selected Updates from NCI and NIH

Sample Current Grants

- NIOSH INTELLIGENT WEARABLE ANALYZER FOR VAPOR EXPOSURE (IWAVE) IN TRANSPORTATION SECTOR AGAH, MASOUD, VPI
- NIDDK VALUE AND MECHANISMS OF HOME VISITATION IN OBESITY INTERVENTIONS FOR LOW-INCOME CHILDREN APPELHANS, BRADLEY M., Rush U.
- NIA NATURALISTIC DRIVING AS A FUNCTIONAL NEUROBEHAVIORAL MARKER OF PRECLINICAL AND SYMPTOMATIC ALZHEIMER DISEASE BABULAL, GANESH M Wash. U.
- NIH OD THE HEALTH CONSEQUENCES OF URBAN SCALING. BILAL, USAMA Drexel
- NLM LARGE-SCALE NATIONALLY REPRESENTATIVE PERSON-GENERATED HEALTH DATA FOR DEVELOPMENT OF GENERALIZABLE DATA SCIENCE METHODOLOGIES FOR PRECISION PUBLIC HEALTH CHATURVEDI, RITIKA RATNAM, USC
- NIEHS METABOLOMIC SIGNATURES LINKING AIR POLLUTION, OBESITY AND DIABETES CHEN, ZHANGHUA, USC
- NIDA GEOGRAPHIC ACCESS TO MEDICATION ASSISTED TREATMENT FOR MEDICAID ENROLLEES WITH OPIOID USE DISORDER. DRAKE, COLEMAN, Pittsburgh
- NCI FIGHTING OBESITY BY REINVENTING PUBLIC TRANSPORTATION: A NATURAL EXPERIMENT LEE, CHANAM et al. TAMU
- NICHD PROMOTING TRANSPORTATION SAFETY IN ADOLESCENCE LONG, DOROTHY L et al. UAB

Other Activities

- PhenX Toolkit Social Determinants of Health Work Group
 - Core Measures Includes “Access to Health Services” but lacks transportation element - <https://www.phenxtoolkit.org/sub-collections/view/28>
 - Structural Determinants includes Air Quality Index
- Working Group currently assessing survey and GIS based measures of Transportation access and environments

Save the Date

- **Active Living Conference**
- **March 7-9th 2022**
- **Natcher Auditorium, NIH Campus, Bethesda MD**
- **Co-hosts – Active Living Conference, GPRED, NCI**
- **NCI team: Health Bowles (DCP), Frank Perna (DCCPS), David Berrigan (DCCPS)**
- **& don't forget Virtual ALC April 6-9th 2021, Theme: Now More than Ever – Active Living for All - <https://www.gpred.org/active-living-conference-2/>**





**NATIONAL
CANCER
INSTITUTE**

www.cancer.gov

www.cancer.gov/espanol

5. Round Robin

What updates/announcement do you have for the group?

What issues are you facing where the committee may help?

5. Round Robin

To Speak

Raise your hand

When recognized, unmute, state your name, affiliation and make your point

Be respectful of others time

Use Chat area for links and additional discussion. We will mine the Chat for the meeting notes.

On the phone only, be patient, we will periodically ask if anyone on the phone has something to say

What updates/announcement do you have for the group?

What issues are you facing where the committee may help?

Streetsmart (Kelly Rodgers)

Proven Outcomes



Increased Walking



Increased Bicycling



Increased Physical Activity



Reduced Risk of Injury

Active travel to school is a recommended strategy for increasing walking and bicycling, increasing physical activity, and reducing traffic-related risks of injury (**Community Guide, 2018**). Safe Routes to School and Walking School buses are scientifically supported strategies for increasing walking and bicycling and increasing physical activity (**County Health Rankings & Roadmaps, 2017**; **County Health Rankings & Roadmaps, 2019**).

Thinkstreetsmart.org

Planning for Health Equity, Advocacy, and Leadership

PHEAL Guiding Principles

COMMUNITY HEALTH & REGENERATION



Uplift Health Equity



Develop Healthy and Just Places



Establish Safe and Prosperous Communities

COMMUNITY-BASED ADVOCACY



Engage in Truthful Interactions



Acknowledge that the Community is in Charge



Figure it Out Together

HEALING THROUGH LEADERSHIP



Advance Racial Justice



Strengthen Diversity and Inclusion

- May 2020 Call to action
- Steering Committee
- First group meeting (vision, mission, values)
- Second group meeting (review)
- Finalize document
- September 2020 launch

stateofplace.co/pheal

Synthesis of Observations From Reports on Traffic Safety During the COVID-19 Public Health Emergency

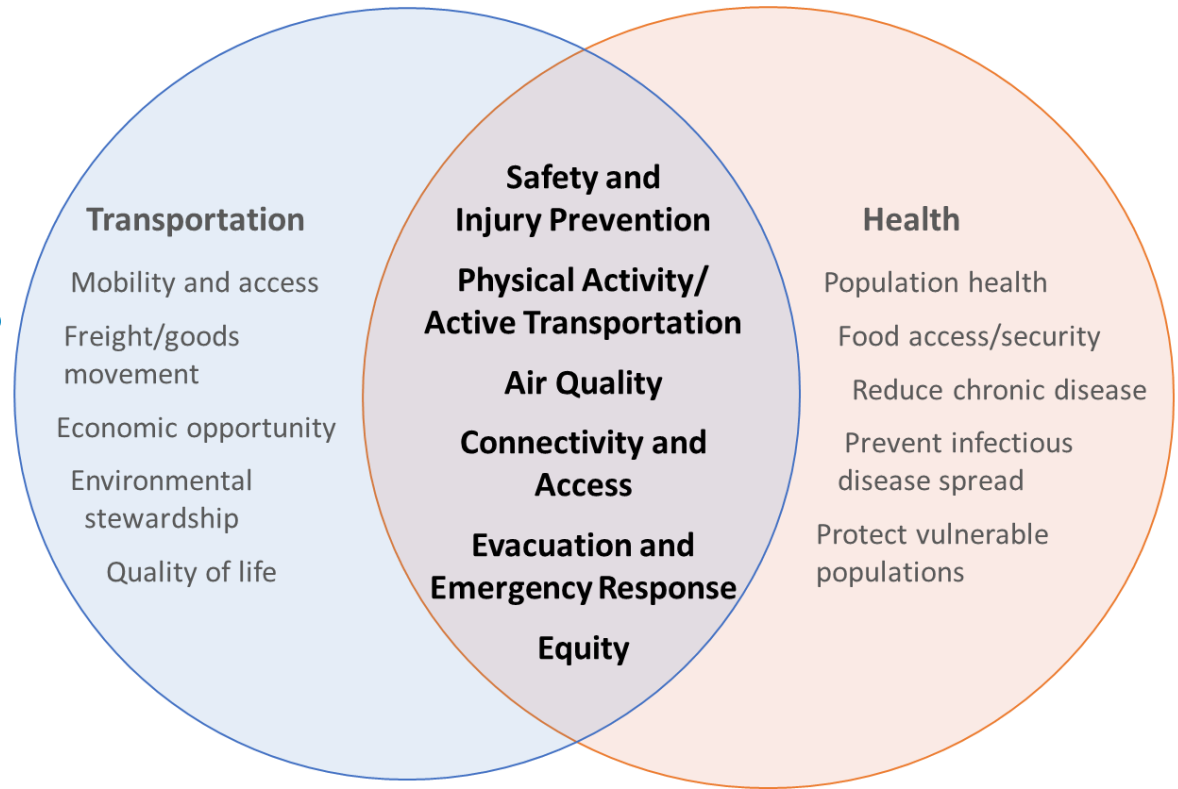


- Lower volumes and VMT, but a change in proportion of unbelted, speeding, drug- and alcohol-involved among the crash-involved drivers
- Overlap between “traditional” risk-taking groups and those who were more likely to take trips during Q2
- Deterrence requires enforcement + social norming

Examination of the Traffic Safety Environment During the Second Quarter of 2020: Special Report <https://rosap.ntl.bts.gov/view/dot/50940>

Drug and Alcohol Prevalence in Seriously and Fatally Injured Road Users Before and During the COVID-19 Public Health Emergency <https://rosap.ntl.bts.gov/view/dot/50941>

Transportation and Health: Key Intersections



More information available from **Connecting Transportation and Health: A Guide to Communication and Collaboration (NCHRP 25-25 TASK 105)**

<http://bit.ly/TransportationHealthCommunicationsGuidebook>

THANK YOU

Not to be forgotten

E-Circular 239-Arterial Roadways

7 Case Examples

5 Overarching Themes

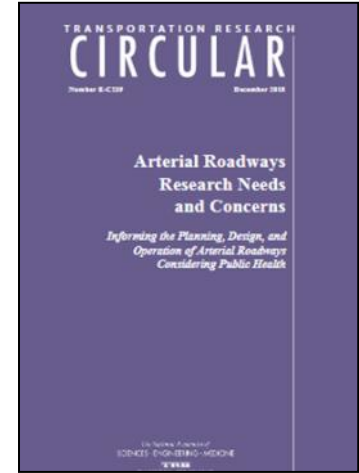
350 research ideas/topics

ITE Journal: *Improving Arterial Roads to support Public Health: How Can We Do This?*

<http://www.nxtbook.com/ygsreprints/ITE/G93877 ITE May2018/index.php#/12>

Amer. Journal of Public Health: *Understanding and Improving Arterial Roads to Support Public Health and Transportation*

<https://pubmed.ncbi.nlm.nih.gov/28640685>



Informing the Planning, Design, and Operation of Arterial Roadways Considering Public Health

<http://onlinepubs.trb.org/onlinepubs/circulars/ec239.pdf>

TRB Library Snap Searches

<http://www.trb.org/InformationServices/Snap.aspx>



TRB Snap Search: Transportation & Health

<http://onlinepubs.trb.org/onlinepubs/snap/transportationandhealth.pdf>

TRB RESEARCH

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- Click here to view [search results](#) on TRB published research on T

Specialty Report

- [Critical Issues in Transportation 2019](#)

Specialty Webpage

- [Transportation in the Face of Communicable Disease](#)

Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
 - [Report 221](#) - Measuring Quality of Life in Communities Surrounding Airports
 - [Synthesis 113](#) - Airport Workforce Programs Supporting Environmental Sustainability
 - [Web-Only Document 48](#) - Evaluating the Use of Spatially Explicit Data in Airport Planning
 - [Web-Only Document 47](#) - Commercial Space Operations Noise and Vibration Mitigation
 - [Web-Only Document 43](#) - Improving AEDT Modeling for Airports with Manmade Structures
 - [Web-Only Document 41](#) - Alternative Jet Fuels Emissions: Quantifying the Impact
- [Conference Proceedings](#)
 - [Proceedings 55](#) - Airport Roles in Reducing Transmission of Infectious Diseases
 - [Proceedings on the Web 27](#) - Flight Plan to Recovery: Preparing for the Next Crisis
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [NCHRP 25 \(Task 149\) - Creating Lookups Tables to Streamline Data](#)

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