



Incorporating health in transportation decisions

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Welcome



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AMERICAN PUBLIC HEALTH ASSOCIATION

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The environment around us matters



Photo obtained from: [www.pedbikeimages.org/Nicole Schneider](http://www.pedbikeimages.org/Nicole_Schneider)

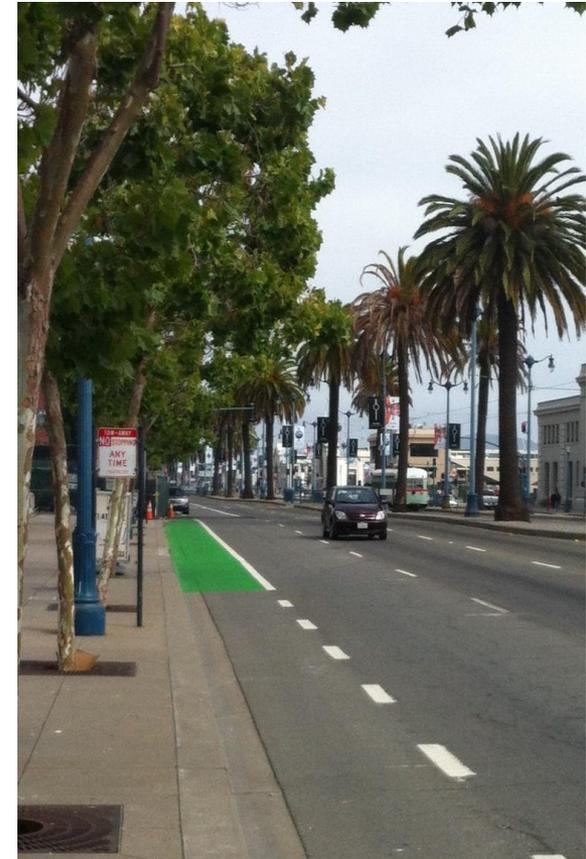


Photo obtained from: [www.pedbikeimages.org/ Kristen Langford](http://www.pedbikeimages.org/Kristen_Langford)

Infrastructure and health inequities

- Low-income communities and communities of color:
 - Have inadequate infrastructure promoting active transportation
 - Higher risk of injury or death due to motor vehicle crashes
 - Higher risk of chronic disease



Resources: Singh GK, Siahpush M, Kogan MD. Neighborhood Socioeconomic Conditions, Built Environments, and Childhood Obesity. *Health Affairs*. 2010; 29(3):503-512. doi: 10.1377/hlthaff.2009.0730.; Zimmerman S, Lieberman M, Kramer K, Sadler B. At the Intersection of Active Transportation and Equity: Joining Forces to Make Communities Healthier and Fairer, 2015. Oakland, CA: Safe Routes to School National Partnership.; Braun LM, Read A. The Benefits of Street-Scale Features for Walking and Biking, 2015 Washington, DC: American Planning Association.; Photo obtained from: www.pedbikeimages.org/ Greg Griffin

Working together to create healthy communities



Resource: Rudolph L, Caplan J, Ben-Moshe K, Dillon L. Health in All Policies: A Guide for State and Local Governments, 2013. Washington, DC and Oakland, CA: American Public Health Association and Public Health Institute.; Photos obtained from: www.pedbikeimages.org/ Mike Cynecki



Transportation and Health Tool

The screenshot shows the Transportation.gov website header with the logo and navigation menu. The main content area features a sidebar with navigation options like 'Indicator Data' and 'Strategies'. The main heading is 'Transportation and Health Tool' with a sub-heading 'Home'. Below this is a photograph of a cyclist in traffic. A 'Contact Us' sidebar on the right provides address and business hours information. Social media sharing icons are also present.

Transportation.gov
U.S. Department of Transportation

▼ About DOT ▼ Our Activities ▼ Areas of Focus

Transportation and Health Tool Home

Indicator Data

Indicator Profiles

Strategies

Literature and Resources ▼

Scoring Methodology

Background

Home

Transportation and Health Tool



Photo credit: www.pedbikeimages.org / Laura Sandt

What is the Transportation and Health Tool?

The Transportation and Health Tool (THT) was developed by the U.S. Department of Transportation and the Centers for Disease Control and Prevention to provide easy access to data that practitioners can use to examine the health impacts of transportation systems.

Contact Us

Transportation and Health Tool
Office of Policy
1200 New Jersey Avenue, SE
Washington, DC 20590
United States
tht@dot.gov

Business Hours:
9:00am-5:00pm ET, M-F

Share

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<https://www.transportation.gov/transportation-health-tool>

Goals for the Transportation and Health Tool

- Raise awareness about the links between transportation and health in both sectors
- Encourage health-supportive federal, state, and regional transportation policy and project decisions
- Support more effective and efficient collaboration between the transportation and public health sectors

Indicators

Indicators

14

Transportation

1. Commute Mode Share
2. Person Miles Traveled by Mode
3. VMT per Capita
4. Public Transportation Trips per Capita
5. Proximity to Major Roadways
6. Land Use Mix
7. Housing and Transportation Affordability

Health

8. Physical Activity from Transportation
9. Alcohol-Impaired Fatalities
10. Road Traffic Fatalities by Mode
11. Road Traffic Fatalities Exposure Rate

Policy

12. Complete Streets Policies
13. Seat Belt Use
14. Use of Federal Funds for Bicycle and Pedestrian Efforts

Graphic courtesy of Planning Communities

THT Strategies

- 25 strategies
- Related to THT indicators
- Evidence-based policies, strategies, and interventions

The following strategies are included:

- Built environment strategies to deter crime
- Child Passenger Safety laws, child safety seat distribution programs, education and enhanced enforcement
- Clean freight
- Complete Streets
- Distracted driving
- Encourage and promote safe bicycling and walking
- Expand bicycle and pedestrian infrastructure
- Expand public transportation
- Graduated driver licensing systems
- Health impact assessment (HIA)
- Health performance metrics
- High-occupancy vehicle lanes
- Impaired driving laws
- Improve roadway safety
- Improve vehicles and fuels
- Integrate health and transportation planning
- In-vehicle monitoring and feedback
- Multimodal access to public transportation
- Promote connectivity
- Ride sharing programs
- Rural public transportation systems
- Safe Routes to School programs
- Seat belt laws
- Strengthen helmet laws
- Traffic calming to slow vehicle speeds

Transportation & Health Tool Case Studies

TRANSPORTATION & HEALTH TOOL CASE STUDY

Health metrics to shape transportation investment

METROPLAN ORLANDO, FLORIDA



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CDC
CENTERS FOR DISEASE CONTROL AND PREVENTION

TRANSPORTATION & HEALTH TOOL CASE STUDY

Health priorities to shape transportation investment

DELAWARE DEPARTMENT OF TRANSPORTATION



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CDC
CENTERS FOR DISEASE CONTROL AND PREVENTION

TRANSPORTATION & HEALTH TOOL CASE STUDY

City and campus partner for active transportation

GREENSBORO DEPARTMENT OF TRANSPORTATION, NORTH CAROLINA



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THE UNIVERSITY OF NORTH CAROLINA — GREENSBORO (UNCG) has worked in close partnership with the city to promote transportation and health. Together they have established a new foundation for a number of bicycle/pedestrian and public transit initiatives that have made travel around UNCG and other parts of the city safer and more conducive to healthy lifestyles.

UNCG encourages bicycling and walking on campus by providing more than 860 bicycle parking racks, four bicycle repair stations, and a pedestrian underpass at a major railroad corridor. The city and UNCG are partners in Wauch for Me NC, a program sponsored by the North Carolina Department of Transportation to provide pedestrian and bicycle safety education and strengthen effective enforcement.

"The city and University have put considerable effort into improving bicycling and walking transportation infrastructure and safety, enhancing transit services, and promoting equity around the UNCG campus," said Tracy Meyer, Planning Division Manager at the Greensboro Department of Transportation (GDOT).

Because of its ongoing efforts to advance transportation and health, GDOT was selected by APHA, CDC, and the Federal Highway Administration to host a Transportation and Health Tool (THT) implementation workshop in August 2016. The workshop opened a transportation and health dialogue between GDOT, UNCG, public health agencies, and other valuable stakeholders in the community to support and advance transportation investments that positively impact health.

Although Greensboro has made much progress in promoting active transportation, stakeholders from academia, health, and transportation had not met to specifically address the link between transportation and health in the city's urban campus corridors. The workshop offered a way for stakeholders to share their perspectives on enhancing three corridors GDOT selected for the workshop and to foster collaboration for transportation and health initiatives in the future.

EXPLORING THE THT:
www.transportationandhealth.org

TRANSPORTATION & HEALTH TOOL CASE STUDY

Effects on health

YAKIMA COUNTY, WASHINGTON STATE



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"The Road Traffic Fatalities Exposure Rate and Housing and Transportation Affordability indicators were great additions to the data we highlight in our report."

— Elissa Fry Southward, Community Health Supervisor, Virginia Mason Memorial

Completed its 2016 **community health needs assessment (CHNA)**, a CHNA process. Memorial is examining how transportation and utility indicators from the Transportation and Health Tool to support and inform the environments in which people are born, live, and age that affect a wide range of health, functioning, and well-being. Social determinants such as housing and transportation affordability contribute to **ware Rate and Community Made Share** indicators in the Physical and Social Environment (PSE) of a CHNA. Memorial also used the THT indicators will help pinpoint opportunities for community health improvement.

Memorial obtained community input on top health priorities received from over 60 organizations including state, local, and underserved, low-income, and minority populations; and diversity in its everyday work and strategic planning. The top priority areas, Health Equity will be a top priority area, to be released in February 2017. As evidence health equity.

TRANSPORTATION & HEALTH TOOL CASE STUDY

strategies for active transportation

YAKIMA COUNTY/NORTH CAROLINA PLANNING ORGANIZATION



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This is a governmental policy or regulation that outlines the goals and objectives of a transportation plan. The plan is developed in collaboration with the community and is used to guide transportation investments that will improve the health and well-being of the community.

Use health a top focus of a major streets plan makes sense. Streets are a key element of a community's infrastructure and a major source of public health risk. Streets that are not safe for walking and biking, become a part of the problem. The plan should include strategies to improve the safety and health of streets. The plan should also include strategies to improve the safety and health of streets. The plan should also include strategies to improve the safety and health of streets.

APHA.ORG/TRANSPORTATION

