



HEALTH **IMPACT** IN 5 YEARS

www.cdc.gov/HI5

Public Health and Public Transportation from Evidence to Practice

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Centers for Disease Control and Prevention

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- School-Based Programs to Increase Physical Activity
- School-Based Violence Prevention
- Safe Routes to School
- Motorcycle Injury Prevention
- Tobacco Control Interventions
- Access to Clean Syringes
- Pricing Strategies for Alcohol Products
- Multi-Component Worksite Obesity Prevention



Changing the Context

Making the healthy choice the easy choice

Counseling and Education

Clinical Interventions

Long Lasting Protective Interventions

- Early Childhood Education
- Clean Diesel Bus Fleets
- Public Transportation System
- Home Improvement Loans and Grants
- Earned Income Tax Credits
- Water Fluoridation



Social Determinants of Health

HI-5



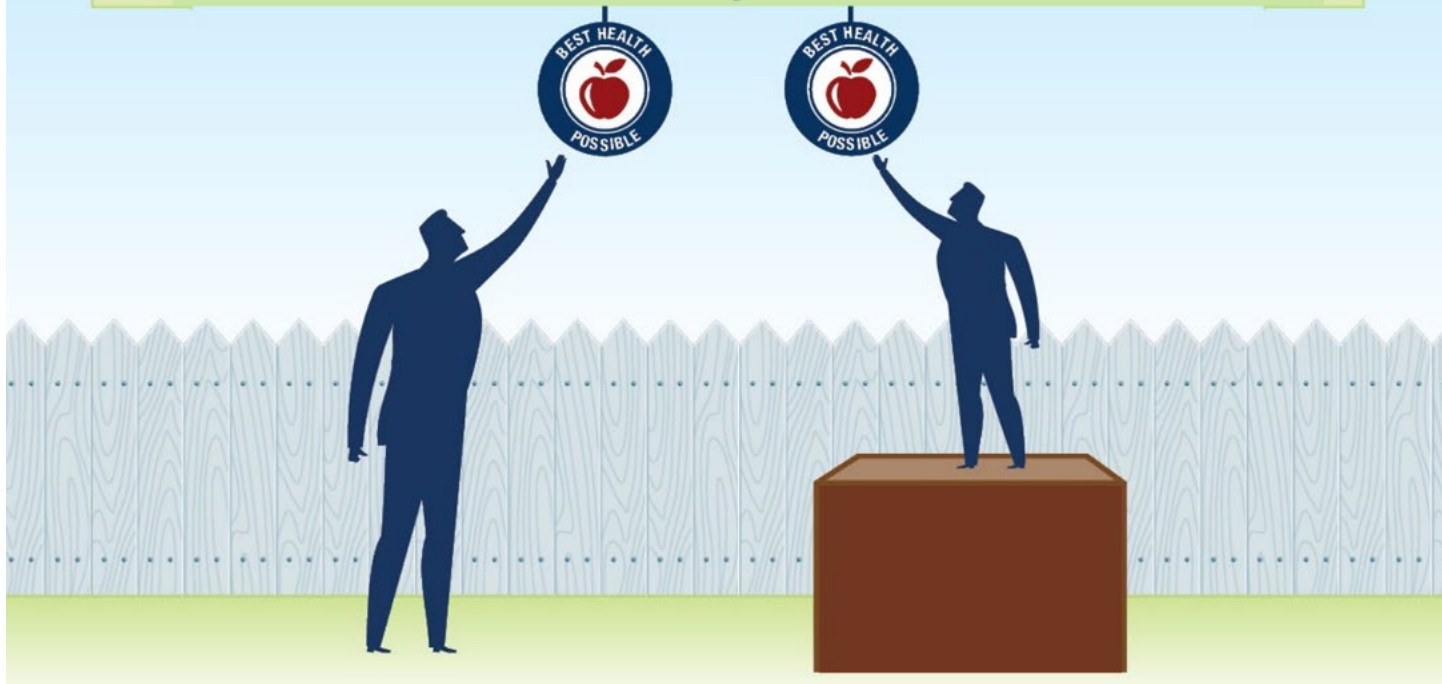
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— REACHING FOR — *Health Equity*

A world where all people have the opportunity to attain the best health possible.



<https://www.cdc.gov/chronicdisease/healthequity/index.htm>



Social Determinants of Health



The conditions in the environments where people are born, live, learn, work, play, worship, and age that affect a wide range of health, functioning, and quality-of-life outcomes and risks.

CHRONIC DISEASES IN AMERICA



6 in 10

Adults in the US
have a chronic disease

&



4 in 10

Adults in the US
have two or more



<https://www.cdc.gov/chronicdisease/center/index.htm>



Public Transportation System: Introduction or Expansion



Description

- Includes a variety of transit options such as buses, light rail, and subways
- Increases both access to and use of public transit and to reduce traffic

Health Impact

- Reductions in health risk factors such as motor vehicle crashes, air pollution, and physical inactivity
- Increases in 8 to 33 minutes of walking per day

Economic Impact

- Typical American public transit service improved to high quality urban rail or bus rapid transit service can result in per capita annual health benefits of \$355 by improving societal health
 - Accrues societal health benefits in the form of less injuries, less pollutions and more exercise

<https://www.cdc.gov/policy/hst/hi5/publictransportation>
https://www.vtpi.org/tran_health.pdf

[://www.cdc.gov/transportation/docs/transportation-fact-sheet.pdfindex.html](https://www.cdc.gov/transportation/docs/transportation-fact-sheet.pdfindex.html)



Public Transportation System: Stories from Public Health Innovators



Minnesota:
Active Transit

Massachusetts:
McGrath Bridge

North Carolina:
Safe Routes to School

Columbia, Missouri:
Health Impact Assessment (HIA)

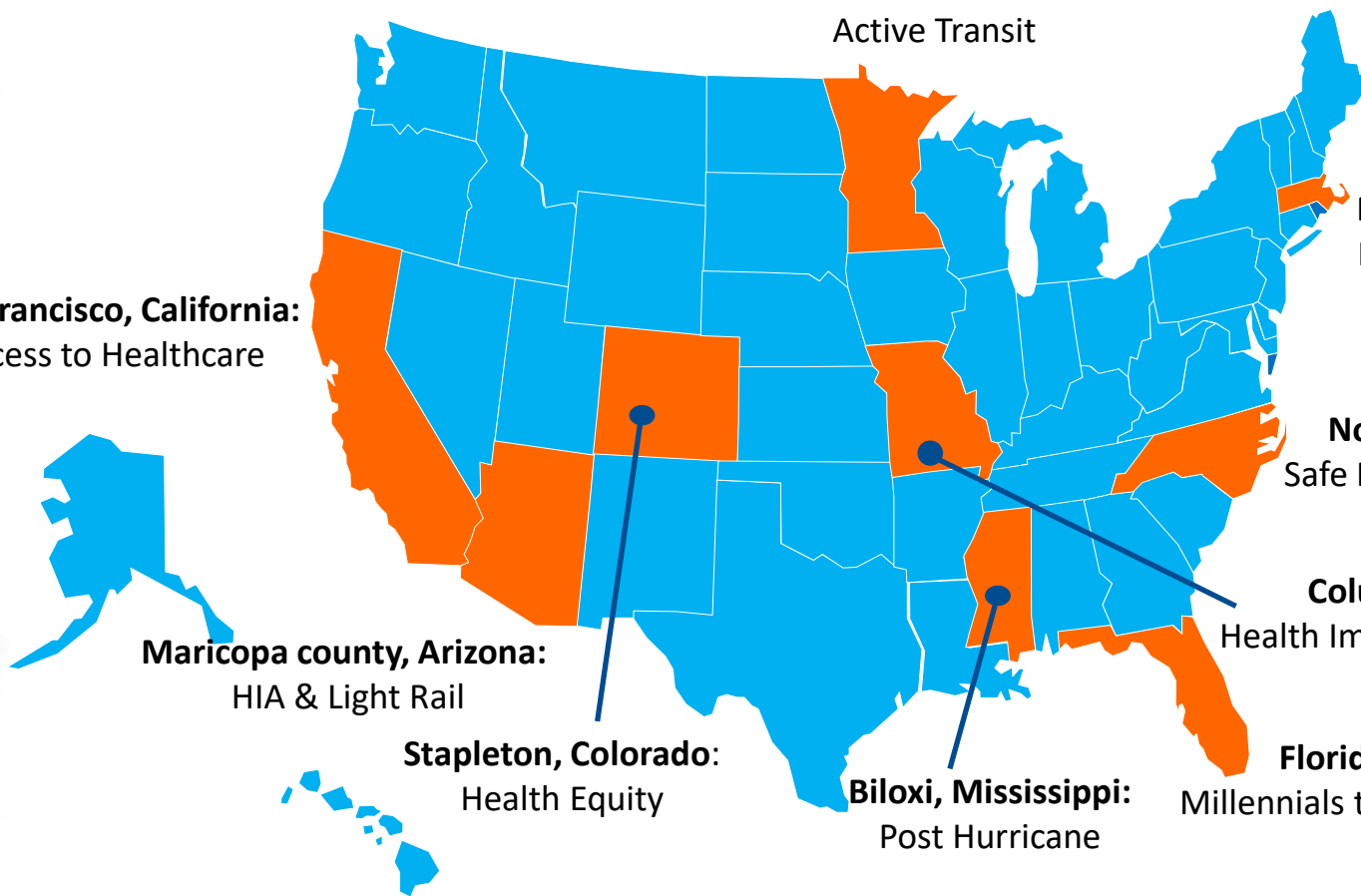
Florida:
Millennials to Seniors

Biloxi, Mississippi:
Post Hurricane

Stapleton, Colorado:
Health Equity

Maricopa county, Arizona:
HIA & Light Rail

San Francisco, California:
Access to Healthcare



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



Lessons Learned



- Health Impact Assessments (HIAs) are a starting point for conversations with stakeholders
 - Include:
 - baseline socioeconomic data
 - health information,
 - air quality,
 - noise levels,
 - public safety, access,
 - land use and economic development
- Gather qualitative data to enhance quantitative findings
- Collaborate in multi-sector partnerships especially transportation

Lessons Learned



- Public health and transit sectors can partner and learn each others jargon: “Find someone who can translate the jargon for you or learn the language”
- Catalysts for change: emergencies, revitalization, large investment projects (e.g., Maricopa, MA, or MS).
- Safe routes to school and active transportation are “easy” connections with public health to partner with transportation,
- Establish relationships with the community prior to approaching them with a project

HI-5 Partnership Consortium

CDC Foundation (CDCF) & Robert Wood Johnson Foundation (RWJF)

- CDC served as subject matter experts
- 2-year planning project
- Objectives
 - Gather, synthesize and translate existing evidence, best practices and lessons learned on the effective development, enactment and implementation of two community-wide interventions, one of which was public transportation
 - Identify community needs for implementation of interventions
 - Disseminate the findings for relevant stakeholder use



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



Competencies and Skills Identified for Cross-Sector Learning Collaborative

CDC Foundation (CDCF) – February 27, 2020

- Health equity
- Cross-sector data mapping for action
- Metric prioritization and alignment
- Convening and community engagement skills
- Needs assessment training
- Inclusive planning using participatory methods
- Co-creating a shared glossary/ shared lexicon
- Joint problem solving/group hack-a-thon / code-a-thon
- Interdisciplinary teams / land use /public health/ transportation planners, engineers



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



Public Health Action Guide



Public Health and Transit Collaborations:

Coordinating Council on Access and Mobility (CCAM)



A sample of activities:

- CDC is invited to inform the [CCAM Report to the President](#)
- CCAM [Federal Fund Braiding Guide](#) lists CDC programs
- CDC participates in stakeholder meetings to inform Federal Transit Administration (FTA) grants
- CDC and FTA introduce key grantees to each other for the first time

Public Health and Transit Collaborations: COVID-19 Response

- Webinar series: Mobilizing transit and public health partnerships for COVID-19 vaccinations: Practical Examples webinar series by National Center for Mobility and Management (NCMM)
- CDC provides consultations on essential worker vaccination issues
- CDC Essential Workers Team initiates strategies with FTA to increase vaccination of transit workers



<https://nationalcenterformobilitymanagement.org/webinars/>



Transit Promotes Public Health Resources

- [NCMM Health and Transportation Resource Center](#) : A new web page on transportation and public health, healthcare, and social determinants of health featuring CDC content to accelerate collaboration.
- The [Public Health Action guide](#) is promoted on the NCMM site.
- Case examples: NCMM web site features [case examples](#) of transit and public health working together to increase COVID-19 vaccination rates.



<https://nationalcenterformobilitymanagement.org/transportation-and-health-resource-center/>



Start the Conversation

- NACCHO local health department directory for city and county- level public health contacts <https://www.naccho.org/membership/lhd-directory>
- ASTHO state health department directory for public health contacts <https://www.astho.org/directory/>
- NCMH directories list local public health and FTA regional representatives



HI-5 Consortium and CDC Foundation Products

- CDC Foundation Public transportation and health videos
 - Moving Toward Better Health
 - Everyone Wins with Public Transportation
 - Public Transportation Boosts Health
- CDC Foundation - Public Transportation Action Guide
- CDC Foundation - Partner Promotional Package



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



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In Memory - Chris Kochtitzky

**We miss you Chris. Thank
you for your lasting
contributions to community
health and well-being.**



Thank you!

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All questions and comments are welcome

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For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



Additional Resources



Case Examples of Public Health and Transit Sector Collaborations

nc4mm.org/covid-19-resource-center

Course - TRAIN Georgia - an affil... Course - CDC TRAIN - an affiliat... An Overview of Public Health Re... COVID-19 Resource Center | Nat...
 https://nationalcenterformobilitymanagement.org/covid-19-resource-center/
 info@nc4mm.org

Transit Support for Vaccination Efforts : Sheet1

FTA Region	Location	Agency/ partner(s)	Description of Activity	For more information
<i>Statewide Efforts</i>				
1	Vermont	Vermont Public Transit Association	Free public transportation to vaccine clinics is available to VT residents who do not have access to their own transportation. The Vermont Public Transportation Association (VPTA) is the central point of contact for any part of the state. VPTA will bill the ride to the appropriate funding source (Medicaid, Elderly/Disabled program or a special federal source for C19 if no other funding source applies). The actual rides are provided by regional public transportation providers using a combination of volunteer drivers in cars or vans/buses. These rides are ADA compliant and will accommodate disabled people as well. Whenever possible, ride requests should be made 48 hours in advance. These rides are subject to the availability of transportation resources, so advance notice is necessary to ensure services will be available.	Elaine Haytko ehaytko@vptaride.com https://www.seniorsolutions.org/vaccine-clinics/
4	North Carolina	NC Department of Transportation NC Department of Health and Human Services	Today, the NC Department of Transportation and the NC Department of Health and Human Services announced that approximately \$2.5 million in Coronavirus Relief Funding is being distributed to local transit agencies Open PDF across the state to help pay for rides for individuals who need transportation assistance to receive a COVID-19 vaccine. Each local transit agency will receive a set amount of funding, and the initiative will continue until funds are exhausted for that agency. The funds can be used to offset operating costs associated with transit rides to and from vaccination sites for	N.C. Department of Transportation's Communications Office 919-707-2660 https://www.ncdhhs.gov/announce-solution-help

COVID-19 Vaccine Communication Toolkit Materials

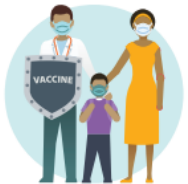
COVID-19 Vaccines

Vaccines (shots) are one of the tools we have to fight the COVID-19 pandemic.



To stop this pandemic, we need to use all of our prevention tools. Vaccines are one of the most effective tools to protect your health and prevent disease. Vaccines work with your body's natural defenses so **your body will be ready to fight the virus**, if you are exposed (also called immunity). Other steps, like wearing a mask that covers your nose and mouth and staying at least 6 feet away from other people you don't live with, also help stop the spread of COVID-19.

Studies show that COVID-19 vaccines are **very effective** at keeping you from getting COVID-19. Experts also think that getting a COVID-19 vaccine may help keep you from getting seriously ill even if you do get COVID-19. These vaccines cannot give you the disease itself.



The vaccines are safe. The U.S. vaccine safety system makes sure that all vaccines are as safe as possible. All the COVID-19 vaccines that are being used have gone through the same safety tests and meet the same standards as any other vaccines produced through the years. A system in place across the entire country that allows CDC to watch for safety issues and make sure the vaccines stay safe.



Different types of COVID-19 vaccines will be available. Most of these vaccines are given in two shots, one at a time and spaced apart. The first shot gets your body ready. The second shot is given at least three weeks later to make sure you have full protection. If you are told you need two shots, make sure that you get both of them. The vaccines may work in slightly different ways, but all types of the vaccines will help protect you.

Vacunas contra el COVID-19

Las vacunas son una de las herramientas que tenemos para luchar contra la pandemia del COVID-19.

COVID-19 疫苗

疫苗（注射）是我们抗击 COVID-19 疫情的手段之一。



为了遏制疫情蔓延，我们需要使用所有可用的预防手段。疫苗是保护健康和预防疾病的最有效手段之一。疫苗将与您的身体自然防御系统一起工作，因此，如果您暴露在病毒下，**您的身体将准备好对抗病毒**（也称为免疫）。其他措施，如戴口罩遮住口鼻，与其他不住在一起的人保持至少 6 英尺的距离，也有助于阻断 COVID-19 的传播。

研究表明，COVID-19 疫苗在防止您感染 COVID-19 方面非常有效。专家还认为，即使您感染了 COVID-19，接种 COVID-19 疫苗也可以帮助您避免感染上严重疾病。这些疫苗本身不能给您带来疾病。

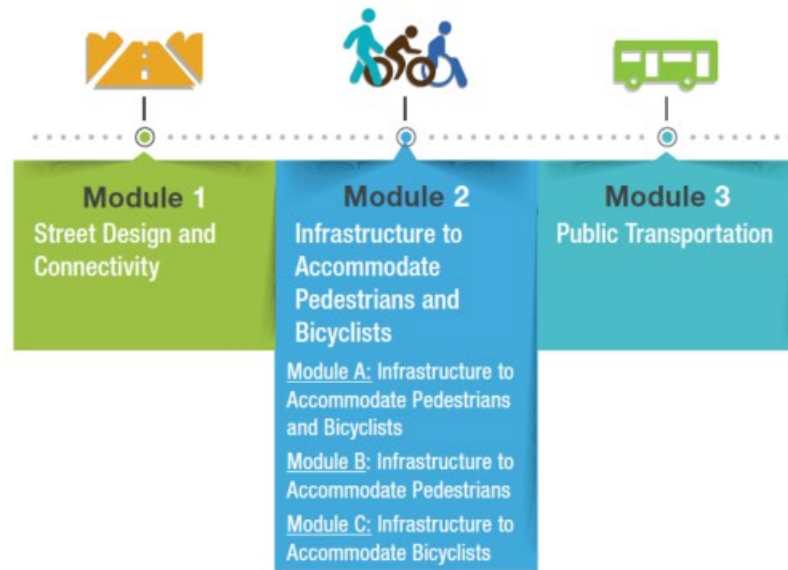
Alternative Languages: [Arabic](#) | [Spanish](#) | [Korean](#) | [Russian](#) | [Simplified Chinese](#) | [Tagalog](#) | [Traditional Chinese](#) | [Vietnamese](#)

<https://www.cdc.gov/coronavirus2019-ncov/vaccines/toolkits/community-organization.html>



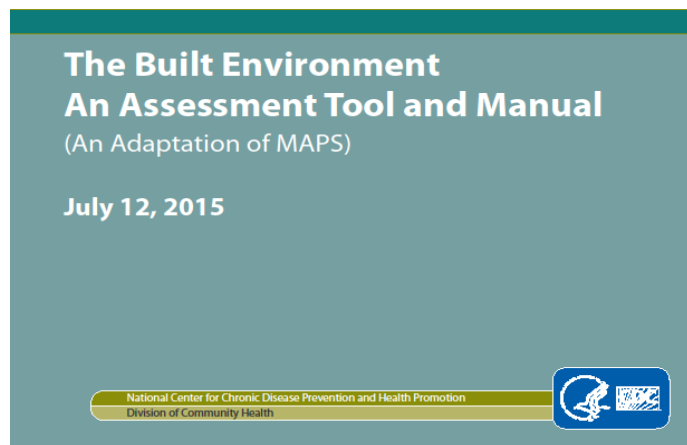
The Active Community tool Kit: Assessment

THE ACTIVE
COMMUNITY
TOOL:
ASSESSMENT
MODULES
FOR ROUTES



The Built Environment

An Assessment Tool and Manual



Transit Availability

Is there public transit on this segment?

Is there a public transit stop on this segment? Check all that apply

- None
- Bus stop
- Light Rail/Other Transit
- Senior transit/paratransit



<https://www.cdc.gov/nccdphp/dnpao/state-local-programs/built-environment-assessment/index.htm>

