Moving Active Transportation to Higher Ground:

*Opportunities for Accelerating the Assessment of Health Impacts*

**April 13-14, 2015**

Keck Center of the National Academies of Sciences

**Washington, DC**

**PRELIMINARY PROGRAM**

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Pedestrians Committee (ANF10)

Bicycle Transportation Committee (ANF20)

Health and Transportation Joint Subcommittee

Bicycle and Pedestrian Data Joint Subcommittee

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[American College of Sports Medicine](https://www.acsm.org/)

*LEADING THE WAY*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>8:00 AM - 9:00 AM</td>
<td>Registration &amp; Breakfast</td>
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<td>9:00 AM – 10:30 AM</td>
<td>Opening Plenary Session &amp; Keynote Addresses</td>
<td>Auditorium</td>
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<td>Networking Break</td>
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<td>Health Impact Assessment (HIA): Big Picture</td>
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<td>Health Impact Models: The Health Economic Assessment Tool for Walking</td>
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<td>5:30 PM – 7:00 PM</td>
<td>Poster Reception</td>
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<td>7:30 AM – 8:30 AM</td>
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Session times and dates subject to change.
Monday, April 13

8:00 AM – 9:00 AM
Registration & Breakfast

9:00 AM – 10:30 AM
Opening Plenary Session, Auditorium
Welcome & Opening Remarks
Welcome, TBD

Keynote Speakers
Susan Handy, Ph.D., Professor Department of Environmental Science and Policy, University of California at Davis
Barbara McCann, Director of the Office of Safety, Energy, and Environment, US Department of Transportation Office of the Secretary
Audrey de Nazelle, Ph.D., Faculty of Natural Sciences, Centre for Environmental Policy, Imperial College London
James F. Sallis, Ph.D., Chief, Division of Behavioral Medicine, University of California

10:30 AM – 10:45 AM
Networking Break

10:45 AM – 12:30 PM
Concurrent Sessions

Health Impact Assessment (HIA): Big Picture
Moderator: TBD

Presenters
- Endeavors in Transportation Health Impact Assessment, Arthur Wendel, CDC
- Use of Health Impact Assessment in Projects, Policies, and Plans to Promote Active Transportation, Andrew Dennenberg, University of Washington School of Public Health
- Exploring How Health Impact Assessments Monetize Health Benefits of Transportation Plans and Projects, Bethany Rogerson, Health Impact Project

Session times and dates subject to change.
Health Impact Models: The Health Economic Assessment Tool for walking and cycling (HEAT)  
Moderator: TBD  
Presenters  
- The Health Economic Assessment Tools (HEAT) for Walking and Cycling: supporting the integration of active mobility in healthy and sustainable transport solutions, Sonja Kahlmeier, Physical Activity and Health Unit, Epidemiology, Biostatistics and Prevention Institute, University of Zurich, Zurich, Switzerland  
- Modeling health benefits of active transportation in Switzerland, Thomas Götschi, University of Zurich, Switzerland  

Health Impacts of Transit Use  
Moderator: TBD  
Presenters  
- Public transit use: an unlikely panacea to solve the physical inactivity crisis in older adults? Christine Voss, University of British Columbia, Canada  
- Does Public Transit Generate New Physical Activity? Evidence from Individual GPS and Accelerometer Data Before and After Light Rail Construction in a Neighborhood of Salt Lake City, Utah, USA, Harvey Miller, The Ohio State University  
- Examining the Impact of a New Light Rail Line on Active Transportation: A Natural Experiment, Brian Saelens, Seattle Children’s Research Institute and the Department of Pediatrics, University of Washington

12:30pm – 1:45 PM  
Lunch

1:45 PM – 3:30 PM  
Concurrent Sessions

Health Impact Assessment (HIA): Drilling Down with Examples  
Moderator: TBD  
Presenters  
- Integrating Health Impact Assessment into Road Safety Audits: Lessons from a case study in Clackamas County, Oregon, Steve White, Oregon Public Health Institute  
- Monetizing Morbidity in Transportation and Climate Scenario Planning, Nicole Iroz-Elardo, PhD, Oregon Health Authority, Public Health Division  
- Are we ready to embrace Health impact assessment?: Lessons Learned from integrating HIA and transportation planning, Donald Kostelec, Kostelec Planning

Session times and dates subject to change.
Health Impact Models: The Integrated Transport and Health Impact Model (ITHIM)
Moderator: TBD

Presenters
- Cycling health and climate, James Woodcock, UKCRC Centre for Diet and Activity Research (CEDAR)
- Quantifying Health Impacts for Three Pathways in Transportation and Climate Scenario Planning, Andrea Hamberg, Oregon Health Authority, Public Health Division
- Calibrating the Integrated Transportation and Health Impact Modeling (ITHIM) tool in Nashville, Tennessee, Geoffrey Whitfield, CDC

Evaluating Transportation Infrastructure
Moderator: TBD

Presenters
- Safer Streets, Stronger Economies: Lessons in Measuring Complete Streets Performance, Laura Searfoss, National Complete Streets Coalition / Smart Growth America
- Incorporating Public Health in Transportation Corridor Planning Studies, Beverly Bowen, ICF International
- The Meaning of Mean Streets: Associations Between Crime, Casualties and Sustainable & Active Travel Choices, Bruce Appleyard, San Diego State University

3:30 PM – 3:45 PM
Networking Break

3:45 PM – 5:30 PM
Concurrent Sessions

Methods – Collecting Data with Innovative Surveys
Moderator: TBD

Presenters
- Using Mobility Panel Data to Assess Physical Activity from Active Travel of Individuals over Time: Insights from Germany, Ralph Buehler, Virginia Tech
- Incorporating health measures into Vancouver’s on-going trip diary panel survey and other initiatives as part of the Healthy City Strategy, Dylan Passmore, City of Vancouver
- Is the program working? New spatially-discrete tools for rapid assessment and program evaluation, Timothy Reardon, Metropolitan Area Planning Council

Session times and dates subject to change.
Large Scale Modeling
Moderator: TBD
Presenters
- Substitution of car trips by active transport in 6 European cities: A health impact assessment study, David Rojas-Rueda, Centre for Research in Environmental Epidemiology (CREAL), Barcelona, Spain
- Changing the Scope and Scale of Regional Travel Models to Better Estimate Pedestrian Activity: Applications for Public Health, Patrick Singleton, Department of Civil and Environmental Engineering, Portland State University
- Predicting active travel behavior and health impacts of regional plans in California, Lawrence Frank, Urban Design 4 Health; University of British Columbia

CDC, Active Transportation and Health: Findings, Recommendations and Next Steps
Moderator: Prabasaj Paul, Centers for Disease Control and Prevention
Presenters
- Federal Government in Active Transportation and Health, Edward Christopher, Federal Highway Administration
- CDC and Active Transportation: Findings, David Berrigan, National Institutes of Health
- Surveillance of Active Transportation, Dan Goodman, Federal Highway Administration
- Wayfinding and Active Transportation, Janet Fulton, Centers for Disease Control and Prevention
- Health Effects of Active Transportation, I-Min Lee, Harvard University
- Looking Ahead: Policy & Research in Health & Transportation, Ken Rose, Centers for Disease Control and Prevention

5:30 PM – 7:00 PM
Poster Reception

Presenters
The poster session provides a unique opportunity for interaction between presenters and meeting participants in an informal setting than is possible in a formal presentation. See following pages for poster titles and presenters.
Poster Presenters

1. The relationship between utilitarian walking, utilitarian cycling, and body mass index in a population based cohort study of adults: Comparing random intercepts and fixed effects models, 
   Daniel Fuller, University of Saskatchewan

2. Building Capacity in Urban Atlanta: The Environmental Health Core (EHC) and the Community-Soil-Air-Water Initiative (C-SAW) at Georgia State University, 
   Katherine Hankins, Department of Geosciences, Georgia State University

3. Health impact assessment of public bicycle schemes in Ireland, 
   David Rojas-Rueda, Centre for Research in Environmental Epidemiology (CREAL), Barcelona, Spain

4. The impacts of physical activity level on bicyclist ventilation rates and the uptake of VOC and PM air pollutants, 
   Alexander Bigazzi, Portland State University

5. Is recreational walking in rural areas a substitute for utilitarian walking in urban areas?, 
   Anne Vernez Moudon, Urban Form Lab, College of Built Environments, University of Washington

6. Differences in Walking in Small U.S. Towns by Ethnicity and Language Spoken, 
   Brian Saelens, Seattle Children's Research Institute, University of Washington

7. The Partnership for Active Transportation – creating a broad-based movement for human-powered mobility to build healthy places for healthy people, 
   Elissa Fay Southward, Rails-to-Trails Conservancy

8. Perceptions of bicycling determinants to identify active transportation planning targets, Stephanie Fowler, National Cancer Institute

9. The potential for health cost reductions related to transit induced physical activity, 
   Zachary Elgart, Texas A&M Transportation Institute

10. On Developing the Transportation Exposome: Using a Panel Study of Commuters as an Integrative Platform of Acute Health Effects from Roadway Emissions, 
    Chandresh Ladva, Emory University

11. Physical Activity through Sustainable Transport Approaches (PASTA) – a pan-European project on determinants and impacts of active transportation, 
    Thomas Götschi, University of Zurich, Switzerland

12. Trail Modeling and Assessment Platform (TMAP), 
    Thomas Götschi, University of Zurich, Switzerland

13. Physical Activity and Air Quality: A Transdisciplinary Research Opportunity, 
    Harold Kohl, University of Texas Health Science Center, Houston School of Public Health University of Texas at Austin

14. Determinants and health benefits of active commuting to school, 
    Robin DeWeese, Arizona State University

15. Models for Expanding Active Transportation for Healthier Communities, 
    Paula Reeves, Washington State Department of Transportation, Manager, Community Design and Washington State Chapter of the American Planning Association, President Elect

Session times and dates subject to change.
16. Co-benefits: a framework and case study for understanding broader health and activity benefits of major transit investments, Cameron Gordon, University of Canberra, Centre for Research and Action in Public Health (CeRAPH)

17. The Effect of Light Rail Transit on Physical Activity: Design and Methods of the Travel Related Activity in Neighborhoods (TRAIN) Study, Casey Durand, University of Texas School of Public Health

18. Modeling by committee: the State of Oregon’s efforts to coordinate modeling health impacts of transportation, Eric Main, Oregon Health Authority, Center for Protection

19. Examining Travel Mode Choice in Underserved Populations, Dangaia Sims, Penn State University

20. Integrating Health into Long Range Land Use and Transportation Planning, Sherry Ryan, Chen Ryan Associates / San Diego State University

21. GPS technology and route choice models to assess the impact of built environment characteristics on walking trips in Brazil, Julio Celso Vargas, UFRGS - Universidade Federal do Rio Grande do Sul

22. Active transportation in Portuguese adolescents: Using PALMS to detect trip modes, Andreia Nogueira Pizarro, Ciafel - UP

Session times and dates subject to change.
Tuesday, April 14

7:30 AM – 8:30 AM
Registration & Breakfast

8:30 AM – 10:15 AM
Concurrent Sessions

New Data Collection Methods and Technology
Moderator: TBD

Presenters
- Automatic Cyclists Data Collection for Transportation Health Impact Assessment, Tarek Sayed, University of British Columbia, Vancouver, BC, Canada
- Designing and Implementing a Temporary Regional Automated Bicycle Counting Program, Sherry Ryan, Chen Ryan Associates / San Diego State University
- Improving Active Transportation Data in HIAs with Automated Counters: Lessons from CA, William Riggs, California Polytechnic State University, San Luis Obispo
- BikeMaps: Citizen web-mapping for safer cycling, Meghan Winters, Simon Fraser University, Faculty of Health Sciences

Determinants of Active Travel
Moderator: TBD

Presenters
- Utilitarian and Recreational Walking Differ in Their Associations with the Built Environment, Bumjoon Kang, Department of Urban and Regional Planning, University at Buffalo, the State University of New York
- Prevalence and correlates of active transportation among adults: the 2007-2011 Canadian Health Measures Surveys, Richard Larouche, Healthy Active Living and Obesity Research Group, Children's Hospital of Eastern Ontario Research Institute
- What Moves Us: A Comparison of Perceived and Objective Predictors of Active Transportation Behaviors, Maggie Grabow, University of Wisconsin-Madison

Session times and dates subject to change.
Workshop: NCHRP Report 770 - Estimating Bicycling and Walking for Planning and Project Development

Moderator: Rich Kuzmyak, Renaissance Planning

Presenters

- Overview of planning needs, principles of effective healthy community design, how tools are valuable to this process, overview of ongoing research and implementation studies and tools, Whit Blanton, Renaissance Planning
- Introduction and overview of NCHRP Report 770. Key facts and relationships on walking and biking. Overview of tools in guidebook and their intended use. How to use the guidebook, Rich Kuzmyak, Renaissance Planning
- Introduction to the GIS Accessibility tool, data needs and application skills, and demonstration of application to planning examples, Alex Bell, Renaissance Planning
- Recent enhancements of accessibility approach and applications in greater Washington DC area, Rich Kuzmyak, Renaissance Planning
- Other planning and policy implications, Whit Blanton, Renaissance Planning

10:15 AM – 10:30 AM
Networking Break

10:30 AM – 12:15 PM
Concurrent Sessions

Applications in Practice

Moderator: TBD

Presenters

- An Integrative Approach to Regional Bicycle and Pedestrian Planning: The Utah Collaborative Active Transportation Study, Julie Bjornstad, Fehr & Peers
- Building Health Evidence to Support Complete Streets in Toronto, Sherry Biscope, Toronto Public Health
- Estimating Walking and Cycling At the State Level, Michael Sellinger, Alta Planning + Design and Krista Nordback, Portland State University
- Improving Sustainable Development: Reducing Exposure to Traffic-Related Air Pollution, Lori Zeller, U.S. EPA Office of Sustainable Communities, Community Assistance and Research Division

Session times and dates subject to change.
Health Benefits of Active Travel
Moderator: TBD

Presenters
- Health impact assessment of active transport policies: A systematic review, Natalie Mueller, Centre for Research in Environmental Epidemiology (CREAL), Barcelona, Spain
- Making the Connection Between Utilitarian Walking and Health Measures using the American Time Use Surveys, Miguel Lugo, University of Florida
- Energy demand of walkers and riders of electric-assist bicycles and traditional bicycles, Brian Casey Langford, Center for Transportation Research University of Tennessee
- An investigation of the relationship between walking and cycling and reduced risk for all-cause mortality: Systematic review and meta-analysis, Paul Kelly, University of Edinburgh

Workshop: The Health Economic Assessment Tool (HEAT)
Moderator: Sonja Kahlmeier, University of Zurich, Switzerland

Presenters
- HEAT - the idea, the approach and how it works, Sonja Kahlmeier, University of Zurich
- Using HEAT for cycling in the US: experiences from evaluating 4 pilot projects, Candace Rutt, Centres for Disease Control and Prevention
- Using HEAT in the context of research: selected examples from a systematic review, David Rojas-Rueda, Centre for Research in Environmental Epidemiology CREAL

12:15 PM – 1:30 PM
Lunch

1:30 PM – 3:15 PM
Concurrent Sessions

The Role of Safety in Active Transportation and Health
Moderator: TBD

Presenters
- The Relationship between Local Walkability, Pedestrian Danger and Active Travel to Work, Sandy Slater, University of Illinois at Chicago
- Joint effects of neighbourhood walkability and parental perceived neighbourhood safety on likelihood of active travel to school: A longitudinal follow-up of Operation Wixx, Nicoleta Cutumisu, Centre de recherche du CHUM, Département de médecine sociale et préventive, École de santé publique, Université de Montréal, Montréal, Canada
- Updating Crosswalk Policies in San Diego - Debunking the False Sense of Security Argument, Sherry Ryan, Chen Ryan Associates / San Diego State University

Session times and dates subject to change.
Advances in Measurement and Analysis  
**Moderator:** TBD  
**Presenters**  
- Calibrating Walk Score to better predict active transportation behavior, *Lawrence Frank, Urban Design 4 Health; University of British Columbia*  
- The Effects of Socio-Economic and Transportation Accessibility on Area-Level Diabetes Counts: A Latent-Variable Structural Equation Model Approach, *Yiyi Wang, Assistant Professor of Civil Engineering, Montana State University*  
- More walkable-oriented zoning and land use laws are associated with active travel to work, *Jamie Chriqui, Division of Health Policy and Administration, School of Public Health, University of Illinois at Chicago*

Workshop: The Integrated Transport and Health Impact Model (ITHIM)  
**Moderator:** *James Woodcock, Centre for Diet and Activity Research (CEDAR), MRC Epidemiology Centre, University of Cambridge*  
**Presenters**  
- *James Woodcock, Centre for Diet and Activity Research (CEDAR), MRC Epidemiology Centre, University of Cambridge*  
- *Marko Tainio, Centre for Diet and Activity Research (CEDAR), MRC Epidemiology Centre, University of Cambridge*  
- *Neil Maizlish, California Public Health Department*

3:15 PM – 3:30 PM  
**Networking Break**

3:30 PM – 4:45 PM  
**Closing “Town Hall” Session**

Session times and dates subject to change.
# Conference Planning Committee

Ralph Buehler, Chair  
David Bassett  
Paula Burkert  
Sean Co  
Jennifer Dill  
Thomas Götschi  
Janet Rankin  
Eloisa Raynault  
Robert Schneider  
Liz Stolz  
Meghan Winters

**Transportation Research Board Staff**  
Bernardo Kleiner  
Mary Kissi  
Freda Morgan

Session times and dates subject to change.