

Program

October 16-18, 2005

UCLA Conference Center at Lake Arrowhead
850 Willow Creek Road
Lake Arrowhead, California

OVERVIEW

Cities, regions, and their transportation systems are central determinants of public health. Transportation systems contribute to good health by giving mobile families access to shelter, food, recreation, education, medical care, employment, and civic participation. These same transportation systems also pollute the air with emissions, inundate adjacent properties with noise, and affect safety through crashes and spills. Finally, a new and active area of research suggests that the design of communities and their transportation systems importantly affects physical activity and health. Specifically, some argue that auto-oriented, suburban environments hurt public health by discouraging people from getting sufficient exercise; others have challenged such notions.

Accordingly, the 2005 UCLA Lake Arrowhead Symposium on the *Transportation-Land Use-Environment Connection* tackles the issue of public health in a **Healthy Regions, Healthy People** symposium. In it we examine public health trends related to transportation, land use, and air quality, as well as ways to measure the public health benefits of public policies. We also examine risks and safety, emissions and exposure, and physical activity and urban form. Along the way, we aim to balance diagnoses of problems with prescriptions for solutions: We ask, "What are the latest in transportation, land use, and environmental policies aimed at enhancing public health, and which are likely to be most effective?"

Symposium Co-Chairs:

Catherine Showalter, Director, UCLA Extension Public Policy Program

Brian D. Taylor, Visiting Scholar, Department of Civil and Environmental Engineering, University of Hawaii at Manoa

Sunday Afternoon, October 16

12:30 pm

REGISTRATION CHECK-IN AND REFRESHMENTS

1 pm

WELCOME

Catherine Showalter, Director, UCLA Extension, Public Policy Program

**PUBLIC HEALTH—THE TRANSPORTATION, LAND USE,
ENVIRONMENT CONNECTION**

This opening session lays the groundwork for the presentations and discussions to follow by exploring the unifying research and policy interests among transportation, land use, environment, and public health professionals, discussing the principal themes to be explored in the symposium. The second presentation consists of baseline information on the principal public health issues and trends in cities today. The third presents a framework for thinking about both the public health benefits and the costs of current land use/transportation systems.

Moderator: Catherine Showalter

■ **Symposium Overview: The Waxing Focus on Public Health in Transportation, Land Use, and Environmental Policy and Planning**

Brian D. Taylor, Visiting Scholar, Department of Civil and Environmental Engineering, University of Hawaii at Manoa

■ **The Demographics of Public Health: Current Trends, Future Issues**

Jonathan Fielding, Public Health Officer, County of Los Angeles, and Professor, Health Services and Pediatrics, UCLA

■ **Mobile Regions, Healthy People: Exploring the Transportation-Land Use-Environment-Public Health Connection**

Genevieve Giuliano, Professor, School of Policy, Planning and Development, USC

3 pm

BREAK

3:15 pm

MEASURING AND EVALUATING THE EFFECTS OF TRANSPORTATION SYSTEMS ON PUBLIC HEALTH

While few would disagree with the importance of public health in the transportation-land use-environment connection, how one might assess and incorporate public health into evaluations of land use developments or transportation systems remains open to debate. Accordingly, this session tackles this issue through three presentations on approaches to measuring and evaluating the effects of transportation systems on public health.

Moderator: Randall Crane, Professor of Urban Planning, UCLA School of Public Affairs

■ **Analyzing and Measuring the Public Health Costs/Benefits of Transport and the Built Environment**

Marlon Boarnet, Professor, Department of Planning, Policy and Design, UC Irvine



■ **Incorporating Environmental and Health Costs/Benefits into Measures of Transportation System Performance**

Steve Pickrell, Senior Vice President, Cambridge Systematics

■ **The Price of Regulation: Measuring the Costs of Making Transportation Systems Cleaner and Safer**

Daniel Sperling Professor, Civil and Environmental Engineering and Director, Institute of Transportation Studies, UC Davis

5 pm

ROOM CHECK-IN AND OPENING RECEPTION

6:30 pm

DINNER

Sunday Evening, October 16

7:45 pm

LAND USE AND TRANSPORTATION ASPECTS OF RISK AND PUBLIC SAFETY

Moving people and goods around neighborhoods, regions, and the globe inevitably entails risk. While significant strides have been made over the years in reducing the number and severity of crashes and other threats to public safety, transportation safety remains an important public health issue. This session examines the safety aspects of the land use/transportation system from a variety of perspectives: trends in travel risk, and the roles of land use/urban design and transportation in safety and exposure to environmental hazards.

Moderator: Martin Wachs, Roy W. Carlson Distinguished Professor in Civil and Environmental Engineering and Professor of City and Regional Planning, UC Berkeley

■ **Risky Business: Understanding Relative Risks and Safety Trends in Travel and Transportation**

Susan Herbel, Senior Associate, Cambridge Systematics

■ **Safety Considerations of Urban Design/Land Use/Transportation Planning**

Anastasia Loukaitou-Sideris, Professor and Chair, Department of Urban Planning, UCLA

■ **Exposure to Environmental Hazards: Understanding the Distribution of Risk Among Communities**

Raul Lejano, Assistant Professor, Department of Planning, Policy, and Design, UC Irvine

Commentary

Kristine Thalman, Chief Executive Officer, Building Industry Association, Orange County Chapter

Moderated Discussion

9:30 pm

INFORMAL RECEPTION AND CONTINUED DISCUSSION



Monday Morning, October 17

7:30 am BREAKFAST

8:30 am **THE HEALTH EFFECTS OF EMISSIONS AND AIR QUALITY**

While mobile source emissions and their regulation have been frequent topics in this symposium series, this session focuses on the latest information on the effects of emissions, primarily from mobile sources, on public health, and current efforts to mitigate one important aspect of these effects, goods movement-related emissions, through public policy.

Moderator: Mary Nichols, Professor of Law and Director, Institute of the Environment, UCLA

■ **Mobile Sources, Emissions, and Health**

Joan Denton, Director, Office of Environmental Health Hazard Assessment (OEHHA)

■ **Transportation-Related Air Pollution Exposure**

Arthur Winer, Professor of Environmental Health Sciences, UCLA

■ **The Rapid Growth of Goods Movement-Related Emissions**

Worldwide: Trends, Health Effects, and Needed Policy Responses

Michael Walsh, International Consultant

10:00 am BREAK

10:15 am **MITIGATING THE HEALTH EFFECTS OF MOBILE SOURCES**

The growing awareness of the effects of mobile source emissions locally, nationally, and globally has led to significant efforts to assess the environmental impacts, health effects, and the use of regulatory measures. Using mobile source emissions trends as a foundation for discussion, the long- and short-term views of global warming, air/water toxins, and conformity regulations are explored.

Moderator: Elizabeth Deakin, Director, UC Transportation Center; Professor of City and Regional Planning, UC Berkeley

■ **The Long View: Trends in Mobile Source Emissions and Regulations Around the Globe**

Miriam Lev-On, Executive Director, The LEVON Group, LLC

■ **Assessing Efforts in the U.S. and Abroad to Address Global Warming**

Abby Young, Director of Strategic Planning, International Council of Local Environmental Initiatives (ICLEI)

■ **The Future Roles of Conformity Regulations**

Hasan Ikhata, Director of Planning and Policy, Southern California Association of Governments

Commentary

Todd Campbell, City Councilman and Vice Mayor, City of Burbank, and Policy Director, Coalition for Clean Air

Angela Johnson Meszaros, Director of Policy and General Counsel, California Environmental Rights Alliance

12:15 pm LUNCH



Monday Afternoon, October 17

1:45 pm

ACCESS AND PHYSICAL ACTIVITY: THE TRANSPORTATION-URBAN FORM LINK

This session explores how land use/transportation systems affect access to goods and services, such as health care and recreational facilities, and how they support, or discourage, physically active lifestyles. The first presentation examines the latest of a burgeoning body of research on transportation, land use, and physical activity. The second focuses on nonmotorized travel among adults and children. And the third deals with the wide-ranging benefits of mobility for older adults.

Moderator: Asha Weinstein, Assistant Professor, Urban and Regional Planning, San Jose State University

■ Assessing the Relationships Among Transportation, Land Use, and Physical Activity

Susan Handy, Associate Professor, Department of Environmental Science and Policy, UC Davis

■ Opportunities for and Barriers to Nonmotorized Travel Among Adults and Children

Noreen McDonald, Assistant Professor of Planning, University of Virginia

■ The Influence of Transportation and Access on the Well-Being of Older Adults

Bill Satariano, Professor, School of Public Health, UC Berkeley

3:30 pm

FREE TIME

5:30 pm

RECEPTION

6:30 pm

DINNER

Monday Evening, October 17

7:45 pm

ROUNDTABLE ON CITY DESIGN, TRAVEL, AND PUBLIC HEALTH: WHAT SHOULD BE THE NEXT STEPS?

Given the research on the links between land use, transportation, and well-being discussed in the previous session, this evening session asks a panel of experts from widely varying disciplinary backgrounds to discuss among themselves and the audience views on the next steps to be taken—in both research and policy/planning practice—to improve public health through the transportation-land use-environment connection.

Moderator: LeRoy Graymer, Founding Director, UCLA Extension Public Policy Program



Panelists:

Eloisa Gonzalez, Director, Physical Activity Program, L.A. County Department of Public Health

Patricia Mokhtarian, Professor of Civil & Environmental Engineering, UC Davis

Ellen Greenberg Principal, Freedman Tung and Bottomley

9:30 pm INFORMAL RECEPTION AND CONTINUED DISCUSSION

Tuesday Morning October 18

7:30 am BREAKFAST

8:30 am **NEW EFFORTS AND INITIATIVES TO DEVELOP HEALTHIER CITIES**

This session presents information on an array of real-world transportation, land use, and environmental programs and projects that seek to explicitly incorporate public health goals and objectives. These presentations show how physical well-being can be made a central part of the development and transportation decision-making processes by planners, developers, and elected officials. Local, regional, national and international projects will be described.

■ **Quick Hits**

Don Chen, Executive Director, Smart Growth America

Katherine Perez, Executive Director, Transportation and Land Use Collaborative of Southern California

Acquanetta Warren, Council Member, City of Fontana

Eric Schreffler, Principal, Eric Schreffler Transportation Consultants (ESTC)

10:00 am BREAK

10:15 am **CLOSING PANEL: WHERE DO WE GO FROM HERE?**

The program concludes with synthesis presentations by leaders representing three perspectives. They share their views on the ideas, strategies, and challenges discussed during the previous two and a half days. What have we learned that will help us move forward with transportation, land use, and environmental policies that will enhance public health? What important issues were left off the table, which need to be addressed before effective and collaborative policies can come to fruition?

Moderator: Brian Taylor

Panelists:

David Calkins, Principal, Sierra Nevada Air, and Senior Consultant to Environ International

Steve Heminger, Executive Director, Metropolitan Transportation Commission

Barbara Smisko, Director of National Environmental, Health and Safety Operations, Kaiser Permanente

12 pm CONCLUDING REMARKS, LUNCH, AND ADJOURNMENT