

Yochai Eisenberg, PhD
Department of Disability and Human Development
University of Illinois at Chicago

EDUCATION

PhD in Health Policy and Administration, University of Illinois at Chicago	(June 2019)
Masters of Urban Planning and Policy (MUPP), University of Illinois at Chicago	(2008)
Bachelor of Arts B.A., University of Wisconsin – Madison,	(2005)

PROFESSIONAL EXPERIENCE

August 2008 – present; Assistant Professor – August 2019 – Present (Senior Research Specialist 2017-2019; Project Coordinator 2008-2017); UIC Department of Disability and Human Development

Specific roles and responsibilities in individual projects (*by project title*) include:

- Evaluation Lead – *National Center on Health Physical Activity and Disability (NCHPAD)*. Lead evaluation of national center activities, which focus on development of a knowledge-to-action model for implementing policy, systems, and environmental changes and increasing participation of people with disabilities in health promotion.
- Researcher and Statistical Support – *Great Lakes ADA Center*. Conduct research on ADA transition plans through a systematic review, focus groups, interviews, and GIS analysis. Provide statistical support to other research projects at the Great Lakes ADA Center.
- Principal Investigator – *Neighborhood Environment Moderation of Disability and Obesity Association*. Conducting secondary analysis of healthcare administrative data linked to GIS data as part of my dissertation work.
- Co-Principal Investigator - *Development of a Mobility Disability Algorithm*. Leading efforts and conducting the data analysis to develop a mobility disability algorithm using electronic healthcare data.
- Research Analyst – *Idaho Department of Family Services*. Assisted with design, implementation, and analysis for an evaluation of Idaho's Non-Emergency Medical Transportation (NEMT) program.
- Evaluation Consultant – *National Association of Chronic Disease Directors (NACDD)*. Lead evaluation of Disability and Health Communities project, which set out to implement inclusive policy, systems, and environmental changes in 10 pilot communities.
- GIS analyst – *Illinois WIC evaluation*. Analyze geographic factors such as accessibility that contribute to retention of women in WIC programs.
- Transportation Consultant – *Design for Disability: Access to Health and Transportation & Birmingham Transportation Health Impact Assessment*. Provided advice and feedback for a community design charrette about transportation for people with disabilities. Facilitated groups at a stakeholder charrette. Developed maps on demographics and transportation for people with disabilities in Birmingham, AL.
- Principal Investigator – *Development of a Community Health Inclusion Index (CHII)*. Managed CDC study to develop an index for communities to measure how accessible their healthy living resources are, as a tool for prioritizing improvements. Facilitated focus groups and convened expert panels to develop content validity. Trained community raters and led large scale field testing of the CHII in 5 states.
- Research Analyst - *An Independent Evaluation of Illinois Integrated Care Program*. Evaluated access to health care and transportation services as part of an evaluation of an Illinois pilot Integrated Care Program. Conducted qualitative interviews of Managed Care Organizations and data analysis of various health services.
- Co-Investigator – (1) Micro-processor controlled Knee-Ankle-Foot Orthosis (C-Brace) vs. Stance-control Knee-Ankle-Foot Orthosis (SCO): Functional Outcomes in Individuals with Lower Extremity Impairments due to Neurological Disease & (2) Microprocessor Knee vs. Mechanical Knee: Impact on Functional Outcomes in Dysvascular Transfemoral Amputees. Assessed the level of community participation and neighborhood travel patterns of people with amputations pre and post being given a microprocessor knee and foot (2 separate studies) by analyzing data collected through GPS data loggers. Co-authored paper in the *Physical Therapy Journal*.

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August 2010- 2018; Adjunct Lecturer; Department of Urban Planning and Policy at the University of Illinois at Chicago;

- Instructed graduate students from urban planning and other related disciplines in courses on Geographic Information Systems (GIS) and its applications to analyze and visualize spatial data.
- Co-Developed and taught “Web Mapping Applications”; a class that introduced students to developing online interactive web maps and web mapping applications. (Summer 2017, and summer 2018)
- Taught “Intermediate GIS” (Fall 2013 – Spring 2017). In this course, students learn advanced techniques for creating and analyzing spatial data. Students become proficient at spatial data analysis and visualization through technical exercises and projects.
- Developed and taught “GIS Project Management Studio”; a class where students applied GIS skills to real world projects for an external client. (Summer 2014,2015,2016)
- Co-Taught “Intro to GIS for planners” (fall 2010 – spring 2013). Students learn the basics of GIS. Through guided exercises and homework, students become comfortable in using this new technical skill.

PEER-REVIEWED PUBLICATIONS

- Eisenberg, Y.**, Grossman, B., (2018) Public Transportation. In Heller, T., Gill, C. J., Harris, S. P., & Gould, R. (Ed.). *Disability in American Life: An Encyclopedia of Concepts, Policies, and Controversies* (Vol2, pp 551-556) ABC-CLIO, LLC.
- Vanderbom, K. A., **Eisenberg, Y.**, Tubbs, A. H., Washington, T., Martinez, A. X., & Rauworth, A. (2018). Changing the Paradigm in Public Health and Disability through a Knowledge Translation Center. *International journal of environmental research and public health*, 15(2), 328. doi:10.3390/ijerph15020328
- Eisenberg, Y.**, Bouldin, E.D., Gell, N., Rosenberg D. (2017), Planning Walking Environments for People with Disabilities and Older Adults, in Corinne Mulley , Klaus Gebel , Ding (ed.) *Walking (Transport and Sustainability, Volume 9)* Emerald Publishing Limited, pp.187 - 209
- Eisenberg Y.**, Vanderbom, K.A., & Vasudevan, V. (2017). Does the built environment moderate the relationship between having a disability and lower levels of physical activity? A systematic review. *Preventive Medicine*, 95s:S75-s84.
- Nasseh, K., **Eisenberg Y.**, & Vujcic, M. (2017). Geographic Access to Dental Care Varies in Missouri and Wisconsin. *Journal of Public Health Dentistry*, 77(3), 197-206.
- Eisenberg Y.**, Rimmer, J.H., Mehta, T., & Fox, M.H. (2015). Development of a community health inclusion index: an evaluation tool for improving inclusion of people with disabilities in community health initiatives. *BMC Public Health Journal*, 15 (1):1050.
- Owen, R., Bonardi, A., Bradley, V., Butterworth, J., Caldwell, J., Cooper, R., **Eisenberg, Y.**, Ford, M., Hewitt, A., Larson, S.A. and Rizzolo, M.K., (2015) Long-term services and supports. *Inclusion*, 3(4), pp.233-241.
- Jayaraman A., Deeny, S., **Eisenberg Y.**, Mathur, R. & Kuiken, T. (2013). Global Position Sensing and Step Activity as Outcome Measures of Community Mobility and Social Interaction for an Individual With a Transfemoral Amputation Due to Dysvascular Disease. *Physical Therapy Journal*, 94, 401-410.
- Rimmer, J., Wang, E. , **Eisenberg, Y.**, Vasudevan V. (April 2010) Longitudinal perspective of secondary conditions and community accessibility in a predominantly African American group of women with mobility *Disability and Health Journal*, v3, 2, e6
- Tussing-Humphreys, L., Nguyen, V., Rimmer, J., Eisenberg, Y., & Braunschweig, C. (2010, October). Dietary Behavior of Urban, Physically-Disabled Adults: Preliminary Findings From the Health Empowerment Zone (HEZ) Study. *Obesity* (Vol. 18, pp. S184-S185). 7: Nature Publishing Group.

MANUSCRIPTS IN PROCESS

- Eisenberg, Y.**, Hieder, A. Gould, R. Jones, R. (in process) Findings from a systematic review of US Public Rights-of-way American with Disabilities Act (ADA) Transition Plans. Under Review by *Cities*.
- Eisenberg, Y.**, Vanderbom, K.A., Harris, K., Hefelfinger, J., Rauworth, A., Griffin-Blake, S.,(in process) Implementation of the Disability and Healthy Community project: An inclusive public health initiative to impact the health and wellness of individuals with disability. Being submitted to *Preventive Medicine Reports*.
- Eisenberg, Y.**, Crabb, C., Morales, M., Owen, R.,(in process) Having an independent rideshare driver for NEMT is not associated with ride satisfaction, but is associated with late and missed pickups. Being submitted to *Health and Place*.

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DISSERTATION

Topic: Mobility limitation, obesity and the neighborhood environment

Three papers

1. Development of a predictive algorithm for identifying veterans with mobility limitation using electronic healthcare records.
2. The effect of mobility limitation on weight change over time
3. Does the neighborhood environment moderate the relationship between mobility limitation & weight gain?

Committee:

- Dr. Lisa Powell, Distinguished Professor and Department Head, Dept. of Health Policy and Administration
- Dr. Shannon Zenk, Department of Health Systems Sciences
- Dr. Elizabeth Tarlov, Department of Health Systems Sciences
- Dr. Kiyoshi Yamaki, Department of Disability and Human Development
- Dr. Zeynep Isgor, Department of Health Policy and Administration

I received approval to use the data sets that Drs Zenk and Tarlov developed as part of an NIH RO1.

PEER-REVIEWED PRESENTATIONS

Eisenberg, Y., Tarlov, E., (Fall 2018), 'Development and Validation of a Mobility Limitation Algorithm using Healthcare Administrative Data'. Poster, APHA Annual Conference, San Diego, CA

Eisenberg, Y., Bonner, K., Mungo, S., Riley, A., (Fall 2018), 'Integrating disability inclusion into an evidence-based physical activity program at the national level to have impact on girls with disability locally'. Oral Presentation, APHA Annual Conference, San Diego, CA.

Eisenberg, Y., Lyons, S., (Fall 2017), 'Incorporating Disability into Community Health Assessments (CHAs) and Community Health Improvement Plans (CHIPs)'. Oral Presentation, APHA Annual Conference, Atlanta, GA.

Eisenberg, Y., Yamaki, K., Maass, A., (Fall 2017), 'Characteristics of organizations who are ready to make policy, systems and environmental changes towards inclusion'. Poster, APHA Annual Conference, Atlanta, GA.

Eisenberg, Y., Vanderbom, K.A., (Spring 2017), 'Community Health Inclusion Index (CHII) & Guidelines Recommendations and Adaptations Including Disability (GRAIDs)'. Workshop. Active Living Research Conference, Clearwater, FL.

Eisenberg, Y., Wilburn, K., Maass, A., (Spring 2017), 'Gathering local data on participation of people with disabilities in health promotion to further local community health planning'. Poster, Active Living Research Conference, Clearwater, FL.

Eisenberg, Y., Vanderbom, K.A., (Winter 2016), 'Using the Community Health Inclusion Index (CHII) & Guidelines Recommendations and Adaptations Including Disability (GRAIDs)'. Oral Presentation. AUCD, Washington D.C.

Eisenberg, Y., (Fall 2016), 'A spatial clustering analysis of disability prevalence and the influence of poverty, age and land use'. Round table, APHA Annual Conference, Denver, CO

Eisenberg, Y., Vanderbom, K.A., Edwards, K., Hefelfinger, J., Rauworth, A., (Fall 2016), 'Reaching People with Disabilities through Inclusive Healthy Communities: Results from Assessments of Community Health Inclusion'. Oral Presentation, APHA Annual Conference, Denver, CO

Eisenberg, Y., Vanderbom, K.A., Vasudevan V., (Fall 2016), 'Including people With and Without disabilities in studies can help to better understand the relationship of the built environment, physical activity and disability; A systematic review'. Poster, APHA Annual Conference, Denver, CO

Eisenberg, Y., Mitchel, D., Yamaki, K. Wing, C., Heller, T., Owen, R., (Fall 2015), 'Assessing the Impact of a Transition to Managed Care on Non-Emergency Transportation Services'. Oral Presentation, APHA Annual Conference, Chicago, IL.

Eisenberg, Y., Vasudevan V. Rimmer, J., (Fall 2015), 'Validation of Built Environment Constructs on the Community Health Inclusion Index'. Oral Presentation, APHA Annual Conference, Chicago, IL.

Eisenberg, Y., Vasudevan V., (Fall 2014), Development of a Community Health Inclusion Index (CHII) for Measuring

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Accessibility and Inclusion of Physical Activity and Food Environments'. Oral Presentation, APHA Annual Conference, New Orleans, LA.

Eisenberg, Y., Vasudevan V., (Fall 2013), 'Environmental & social factors impacting transportation use among persons with disabilities'. Poster, APHA Annual Conference, Boston, MA

Eisenberg, Y., Vasudevan V. Rimmer J., (Fall 2011), 'An objective time use study of people with mobility disabilities using GPS trackers'. Poster, APHA Annual Conference, Washington D.C

Eisenberg, Y., Vasudevan V. Rimmer J., Wang, E. (Fall 2010) 'Assessing the need for a neighborhood rollability index for people who use wheelchairs using geographical information systems' Oral Presentation, *APHA Annual Conference*, Denver CO.

Eisenberg, Y., Vasudevan V., Rimmer J., Wang, E. (Fall 2009) 'Using GIS to explore access to physical activity supporting spaces (A-PASS) for people with mobility limitations' Poster, *APHA Annual Conference*, Philadelphia, PA

INVITED PRESENTATIONS/T.V. SHOW

Eisenberg, Y. (March 2017), 'Healthy Communities: An Assessment and Implementation Framework to Achieve Inclusion of Persons with Disability'. *Public Health Live (TV show)*. University of Albany, School of Public Health.
URL: https://www.albany.edu/sph/cphce/phl_0317.shtml

CURRENT FUNDING

University of Alabama Birmingham (Rimmer) 4/1/16 – 3/31/21

Centers for Disease Control and Prevention (CDC), National Center on Birth Defects and Developmental Disabilities (NCBDDD), Disability and Health Branch

National Center on Health Physical Activity and Disability (NCHPAD)

The purpose of this sub-award is to be the lead evaluator of the center, to train communities across the country on using the Community Health Inclusion Index, and providing technical assistance to communities.

Role: Lead Evaluator

Sub-award amount: \$375,000

90DP0091-01-00 (Jones) 10/1/16 – 9/30/21

National Institute on Disability, Independent Living, and Rehabilitation Research

ADA National Network Regional Centers - Region V (Great Lakes ADA Center)

The purpose of the research is to enhance and complement technical assistance provided by the regional centers. I lead a study on the implementation of ADA transition plans in the U.S.

Role: Co-Investigator

COMPLETED RESEARCH SUPPORT

Center for Research on Health and Aging (Eisenberg) 11/1/17 – 10/31/18

National Institute on Aging, Roybal Center Dissertation Grant

Neighborhood Environment Moderation of Disability & Obesity Association.

The purpose of this dissertation award is to examine whether the neighborhood environment moderates the association between having a mobility disability and higher levels of obesity.

Role: Principal Investigator

Amount: \$12,500

Center of Large Data Research (Tarlov & Eisenberg) 10/1/17 – 9/31/18

Development and validation of a mobility disability algorithm.

The purpose of this pilot project is to develop and validate an algorithm that identifies people with mobility disability using electronic healthcare data.

Role: Co-Principal Investigator

Amount: \$25,000

National Association of Chronic Disease Directors (UIC PI) 7/1/2016- 5/30/2018

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Evaluation of the Disability and Health Communities Project

The purpose was to evaluate a pilot project of 10 communities working to implement policy, systems, and environmental changes.

Role: Lead Evaluator

Sub-award amount: \$29,800

Idaho Department of Health and Family Services (Owen) 7/1/17 – 6/30/2018

Evaluation of Idaho's Non-emergency medical transportation (NEMT) services

The purpose of the project was to evaluate the quality and access to care for Medicaid recipients in Idaho. The independent evaluation will include a pre-post survey and analysis of NEMT data and contracts.

Role: Lead data analyst

Illinois Department of Public Health (Heller) 7/1/11 – 7/31/16

State of Illinois Department of Healthcare and Family Service (HFS)

"An Independent Evaluation of Illinois Integrated Care Program"

The purpose of this project is to evaluate a pilot ICP program for Illinois Medicaid recipients. The independent evaluation will examine access to health care services, member satisfaction and cost effectiveness under Managed Care Organizations.

Role: Analyst

Rehabilitation Institute of Chicago (UIC PI) 11/1/13 – 10/31/16

OttoBock (private)

"Micro-processor controlled Knee-Ankle-Foot Orthosis (C-Brace) vs. Stance-control Knee-Ankle-Foot Orthosis (SCO):

Functional Outcomes in Individuals with Lower Extremity Impairments due to Neurological Disease" The purpose of this project is to assess the level of community participation of people with amputations pre and post being given a microprocessor foot by analyzing data collected through GPS data loggers to allow for an objective assessment of community participation and neighborhood travel patterns.

Role: Co- Investigator

Amount: \$36,996

Lakeshore Foundation (UIC PI) 8/1/15 – 3/15/16

National Center for Mobility Management

Design for Disability: Access to Health and Transportation

The purpose of this sub-ward was to provide advice and feedback for a community design charrette about transportation for people with disabilities, facilitated groups at a stakeholder charrette and develop maps on demographics and transportation for people with disabilities in Birmingham, AL.

Role: Consultant

Amount: \$6,000

CDC-BAA 2011-N-13396 (UIC PI) 8/22/11 – 8/21/14

Centers for Disease Control and Prevention (CDC), National Center on Birth Defects and Developmental Disabilities (NCBDDD), Disability and Health Branch

Development of a Community Health Inclusion Index

The purpose of this project is to develop a Community Health Inclusion Index for determining aspects of the community that are critical for improving healthy, active living for people with disabilities. It will provide communities with the ability to measure how well they support healthy, active living for all members of the community, including people with disabilities.

Role: Took over Principal Investigator when Dr. James Rimmer left in 2012

Amount: \$1,000,000

Rehabilitation Institute of Chicago (UIC PI) 8/1/11 – 12/31/13

OttoBock (private)

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“Microprocessor Knee vs. Mechanical Knee: Impact on Functional Outcomes in Dysvascular Transfemoral Amputees” The purpose of this project is to assess the level of community participation of people with amputations pre and post being given a microprocessor knee by analyzing data collected through GPS data loggers to allow for an objective assessment of community participation and neighborhood travel patterns.

Role: Co-Principal Investigator

PEER REVIEWER

I have been a peer reviewer for the following journals and grantors:

- American Journal of Preventive Medicine
- Biomed Central (BMC) Public Health
- British Medical Journal (BMJ) Open
- Preventive Medicine Reports
- Journal of Transport and Health
- Journal of Housing and the Built Environment
- Cities & Health
- Planning Practice and Research
- Patient Centered Outcomes Research Institute (PCORI)
- Center for Large Data Research (CLDR)

EXPERT PANELS

I have served on several expert panels that include:

- Azavea Inc. NIH Small Business Innovation Research (SBIR) (2013) - *Promoting Regular Physical Activity for Older Adults through “Wayfinding” technology*
 - I provided guidance on development of a wayfinding smart phone application that could be used by older adults to become more physically active in the local neighborhoods. The project was funded for the first phase of the NIH SBIR.
- The CDC Division of Community Health (2012) - *Built Environment Assessment tool* for walking and biking to be used in Community Transformation Grants.
 - I served on an expert working group to identify the factors that should be used in assessments of the built environment and represented aspects of the built environment that would be important for people with disabilities.
- North Carolina Department of Public Health (2011)- *The North Carolina Guide to Incorporating Health Considerations into Comprehensive Plans*
 - I served on an expert working for developing the guide and provided recommendations related to disability and health.
- The National Center on Health Physical Activity and Disability (NCHPAD) to develop a *Community Health Inclusion Sustainability Plan (CHISP)*
 - I served as an expert panel member to develop recommendations on how include individuals with disabilities in community health coalitions.

ADVISORY BOARDS

- Metropolitan Planning Council, Universal Mobility Technical Committee: 2019 - Present
- Cook County Forest Preserve ADA Advisory Committee: 2018-present
- Statewide Independent Living Council of Illinois- Housing Advisory Committee 2015-2017
- Chicago Transportation Authority ADA Advisory Board: 2010-2013
- UIC Chancellor’s Committee on the Status of People with Disabilities 2010-2015
- GeoAccess Work Group: **Data-Enabled Travel: How Geo-Data Can Support Inclusive Transportation, Tourism, and Navigation through Communities:** g3ict.org/download/p/fileId_831/productId_161

COMMITTEES/MEMBERSHIPS

- CDC Physical Activity Policy Research Network, Older Adults Working group, 2015-present

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- American Public Health Association (APHA) Disability Section, 2010 - present

GUEST LECTURES

- DHD 541, Guest lecture for Dr. Hasnain on quantitative inquiry and research methods Fall 2016-2018
- DHD 202, Guest lecture for Dr. Grossman on accessible cities and measurement, Spring 2018

STUDENT COMMITTEES

- Jacqueline Kish Beck, PhD candidate, prelim committee (2017)
- Kristen Salkas, PhD candidate, prelim committee (2016)
- Amie Lulinski Norris, PhD Dissertation Committee member, title: *Community Capacity to Provide Mental/Behavioral Health Services to People with Developmental Disabilities* (2014)

VOLUNTEER

- Equip for Equality, Voting Access Project, coordinate UIC student training, 2016-2018