Sandra E. Echeverría, PH.D.

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EDUCATION

COLUMBIA UNIVERSITY, NEW YORK, NY — PHD
MAILMAN SCHOOL OF PUBLIC HEALTH — 2006
Department of Epidemiology

COLUMBIA UNIVERSITY, NEW YORK, NY — MPH
MAILMAN SCHOOL OF PUBLIC HEALTH — 1994
Department of Sociomedical Sciences

RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ — BA
Rutgers College (Latin American Studies) — 1990

ACADEMIC POSITIONS

ASSISTANT PROFESSOR (TENURE-TRACK) — JUNE 2008-PRESENT
Dept. of Epidemiology, UMDNJ-School of Public Health, Piscataway, NJ

POSTDOCTORAL RESEARCH FELLOW — SEPT. 2006-MAY 2008
Dept. of Epidemiology, UMDNJ-School of Public Health, Piscataway, NJ

PROFESSIONAL EXPERIENCE

CONSULTANT — JAN 2005-PRESENT
Arthritis Foundation, Inc., New York City and Long Island Chapter

ASSISTANT DIRECTOR — OCT 1999-OCT 2000
Columbia University Head Start and Early Head Start , New York, NY

EVALUATION SPECIALIST — JAN 1998-OCT 1999
PRIME Project, Latin America and Caribbean Region

EVALUATION OFFICER — JUNE 1994-AUG 1997
International Planned Parenthood Federation, WHR, New York, NY

HONORS/ AWARDS

Robert Wood Johnson Foundation, New Connections, Travel Award to APHA	2010
W.K. Kellogg Scholar in Health Policy Research, Pre-doctoral Award	2000-2005
Population Fellows Summer Program, U.S. AID, Fortaleza, Brazil	2001
National Science Foundation, Rutgers University/ Dept. of Biology, Minority Supplement	1988-1990

PROFESSIONAL MEMBERSHIP

American Public Health Association.
Society for Epidemiologic Research.

PUBLICATIONS

A. PEER REVIEWED MANUSCRIPTS PUBLISHED/ IN PRESS/ UNDER REVIEW (in reverse chronological order)

Echeverría SE, O Lontok, S Hudson, P Ohman-Strickland, K Demissie, B Crabtree. Practice-level Medicaid revenue and quality of care in primary care practices. *Under review.*

Echeverría SE, L Borrell, D Brown, G Rhoads. A local area analysis of racial, ethnic, and neighborhood disparities in advanced-stage breast cancer. *Cancer Epidemiol, Biomarkers Prev 2009; 18(11): 3024-9.*

Mair C, AV Diez Roux, M Shen, S Shea, T Seeman, **S Echeverria**, ES O'Meara. Cross-sectional and longitudinal associations of neighborhood cohesion and stressors with depressive symptoms in the Multiethnic Study of Atherosclerosis. *Ann of Epi 2009; 19(1): 49-57.*

Echeverría SE, AV Diez-Roux, S Shea, L Borrell, S Jackson. Associations of neighborhood problems and neighborhood social cohesion with mental health and health behaviors: the Multi Ethnic Study of Atherosclerosis. *Health & Place.* 2008 Dec: 14(4): 853-65.

Echeverría SE, O Carrasquillo. The roles of citizenship status, acculturation and health insurance in breast and cervical cancer screening among immigrant women. *Medical Care 2006; Vol.44 (8): 788-792.*

Echeverría SE, AV Diez-Roux, B Link. Reliability of self-reported neighborhood characteristics. *J Urban Health 2004; 81(4):682-701.*

Abraido-Lanza A, E Vasquez, **SE Echeverría**. *En las manos de Dios [In God's hands]*: religious and other forms of coping among Latinos with arthritis. *J Consult & Clin Psych 2004; 72(1):91-102.*

B. PEER REVIEWED MANUSCRIPTS IN PREPARATION

Echeverría SE, A Diez-Roux, A Abraido-Lanza, A Bertoni, MR Carnethon, K Evenson, C Johnson, E Turkbey. Racial/ ethnic differences in physical activity mode and longitudinal associations with depression and BMI change in a population-based cohort: The Multi-Ethnic Study of Atherosclerosis. *Manuscript in preparation.*

Echeverría SE, K Demissie, LN Borrell, R Hingraya, M Passanante. Emergent and persistent mortality disparities in the city of Newark, NJ, 1960-2005. *Manuscript in preparation.*

Echeverria SE, A Luan. Pilot survey of children's physical activity levels and use of outdoor spaces in a high-poverty, urban neighborhood. *Manuscript in preparation.*

Echeverría SE, D Pacquiao, V Hogan. How low can we go? Data collection approaches in local community settings. *Manuscript in preparation.*

Samuel LJ, CR Dennison, AV Diez Roux, TE Seeman, **SE Echeverria**, W Post. Associations of social support, loneliness and neighborhood social cohesion with cardiovascular risk behaviors and their social patterns. *Manuscript in preparation.*

C. BOOK CHAPTERS/ SCIENTIFIC REPORTS/ MONOGRAPHS

Echeverría SE and AV Diez-Roux. *Emergent Chronic Conditions*. In Social and Structural Factors Affecting the Health of Latino Males in the United States. Aguirre-Molina M, Borrell L, and Vega W (Eds). *Rutgers University Press, 2010.*

Echeverría SE. Mortality trends in Newark, NJ, 1960-2005. Institute for the Elimination of Health Disparities, UMDNJ-SPH, 2008. Monograph 1.

Echeverría SE, A Fort, M Cordero, J Massey, A Lion-Coleman, D Jarquin. *An Assessment of Health Promoter Effectiveness in Rural El Salvador*. PRIME Project Technical Report #22, Latin America and Caribbean Region, January 2001.

Echeverría SE, ME Leon, N Ostolaza. *Evaluation of the Effects of Training Primary Health Care Providers in Huancavelica, Peru*. PRIME Project, Technical Report Series No. 11. Chapel Hill, NC. June 1999.

Ward V, **SE Echeverría**. *Self-assessment Module on Institutional Capacity for Improving Quality of Care.* International Planned Parenthood Federation/ WHR Technical Reports, New York, NY, May 1997.

INVITED LECTURES/ PRESENTATIONS (Select)

Echeverria SE. Lead session titled 'Data Collection Approaches in Disadvantaged Communities'. Active Living Research Conference, San Diego, CA, Feb 2011.

Echeverría SE. Tu Corazón Latino, First Latino Heart Health Summit sponsored by the American Heart Association, Northeast Region. Lead Panelist (1 of 4), New York, NY, Oct. 18, 2010.

Echeverría SE. Tu Corazón Latino Health Equity Breakfast, New Jersey Chapter. Sponsored by the American Heart Association. Lead Panelist (1 of 6), Jersey City, NJ, Sept. 23, 2010.

Echeverria SE, H Hamdi, S Chase. Racial/ethnic differences in the use and value attached to neighborhood parks for promoting physical activity in poor urban settings. Panel Discussion, American Public Health Association Conference. Philadelphia, PA, Oct. 2009.

Echeverría SE. Latino mortality in Newark, New Jersey, 1990-2005. Invited speaker. UMDNJ Latino Heritage Committee. UMDNJ-Newark Campus, October 16, 2008.

Echeverría SE. Cardiovascular risk factors in context: the role of neighborhood environments. Invited speaker. American Heart Association, New Jersey/ Central New York, Cultural Health Initiatives. Robbinsville, NJ, October 20, 2008.

Echeverría SE. Mortality trends in Newark, New Jersey, 1960-2004. Key panelist. Health care leadership forum in commemoration of the 1967 Newark Rebellion. Sponsored by the Office of the President, UMDNJ. Newark, NJ. April 30, 2008.

Echeverría SE, O Lontok, P Ohman-Strickland, S Hudson, K Demissie, B Crabtree. Practice-level factors influencing cancer screening in family medicine practices. Poster, NAPCRG 2007.

Echeverría SE, A Diez-Roux, B Link. Reliability of self-reported neighborhood characteristics. Top 10 student poster, Conference of the International Society for Urban Health, New York, NY, 2003.

Abraido-Lanza A, **SE Echeverría**. *Religious coping among Latinos with Arthritis.* Poster, Association of Rheumatoid Professionals, San Diego, CA, 2001.

Echeverría SE, A Fort. *Frontline Maternal and Child Health Providers Do Make A Difference: A Nationwide Rural Survey in El Salvador.* Poster, American Public Health Association Conference, Atlanta, GA 2001.

Echeverría SE, V Ward, L Campbell. *Evaluation Methodologies in the New Context of Sexual and Reproductive Health.* Panel discussant, American Public Health Conference, Indianapolis, IN, 1997.

Echeverría SE, V Ward, T Williams. *Taking on the Challenge of Unsafe Abortion: Research Examples of IPPF/ WHR.* Panel discussant, American Public Health Association Conference, Indianapolis, IN, 1997.

Echeverría SE, V Ward, T Williams. *What's Happened to Community-Based Distribution in Latin America? Case studies from Affiliates of the International Planned Parenthood Federation, WHR.* Panel discussant, American Public Health Association Conference, Washington, DC, 1996.

TEACHING ACTIVITIES

APPLIED METHODS IN EPIDEMIOLOGIC RESEARCH, UMDNJ-School of Public Health, Piscataway, NJ

This course was re-designed by Dr. Echeverria in 2008 and taught for the first time in the spring 2009. *Applied Methods* provides students with hands-on experience in the integration of epidemiologic theories and methods with the analysis of data. Students develop focused research hypotheses to investigate using publicly accessible epidemiologic data sets and learn to build analytic models in logistic regression. Students are also introduced to other regression models, including Cox regression and multi-level models. Students use SAS software to conduct all analyses and present final study findings and interpretation in written and verbal form.

SOCIAL EPIDEMIOLOGY, UMDNJ-School of Public Health, Piscataway, NJ

This course was developed by Dr. Echeverria in 2009 and taught for the first time in the Fall 2010. *Social Epidemiology* introduces students to theories, concepts, and methods for investigating the social determinants of health. The course focuses on examining social factors implicated in the development and distribution of disease and the methods used to investigate these associations. Students will critically evaluate measures used in Social Epidemiology, discuss major debates in the field, identify strengths and weaknesses of previously published studies, and examine possible solutions targeting social factors.

TEACHING ASSISTANT SPRING 2004
Epidemiology IV, Columbia University, Dept. of Epidemiology, Mailman School of Public Health

TEACHING ASSISTANT SPRING 2003
Epidemiology II, Columbia University, Dept. of Epidemiology, Mailman School of Public Health

UMDNJ Doctoral Students

Susan Gabriel	TBA	Epidemiology, 2010-present	Primary Advisor
Girishanty Krishnarajah	TBA	Epidemiology, 2010-present	Primary Advisor
Alice David	Change in neighborhood of residence and adverse birth outcomes in a racially and ethnically diverse population-based cohort	Epidemiology, 2009-present	Co-Advisor
Andrea Marcus	TBA	Epidemiology, 2009- present	Member
Rebecca Graboso	Neighborhoods and health: A capstone project	School of Nursing, Defended (Oct 2010)	Member
Daniel Gurdensen	Latinos, acculturation and smoking	Health Education & Behavioral Sciences	Member

UMDNJ Master's Student - Primary Advisor

Student, Dept, Year Admitted	**Topic**
A Alshujairi, Epidemiology, 2009-present	Intraurban variations in breast cancer staging and survival in a large urban city
R Baron , Epidemiology, 2010	TBA
L Clay, Epidemiology, 2010	TBA
M Dupont-Reyes, Epidemiology, 2010	TBA
D Ganesan, Epidemiology, 2010	TBA
E Jon, Epidemiology, 2010	TBA
G Lanke, Epidemiology, 2010	TBA
J Lee, Epidemiology, 2010	TBA
V Lelkes, Epidemiology, 2010	TBA
Y Luan, Epidemiology, 2010	TBA
M Maya, Epidemiology, 2010	TBA
N Norville, Epidemiology, 2010	TBA
S Qureshi, Epidemiology, 2010	TBA
R Shinde, Epidemiology, 2010	TBA

Student, Dept, Year Admitted	Topic
J Vergeon, Epidemiology, 2010	TBA
R Villa, Epidemiology, 2010	TBA
J Williams, Epidemiology, 2010	TBA
N Zubizarreta, Epidemiology, 2010	TBA
R Sha, Epidemiology, Graduated May 2010	The impact of distance traveled, time and socioeconomic factors on treatment choices for women with early stage breast cancer in NJ
A Hodges, Epidemiology, Graduated May 2009	Associations between parental health beliefs, neighborhood safety, and socioeconomic status and overweight/obesity status in a clinic-based sample

RESEARCH GRANTS

Ongoing Research Support

RWJ Foundation, Active Living Research, New Connections Program
(PI: Echeverria) Jan 2011-June 2012
"Parental and built environment determinants of physical activity in Latino children"
This study will examine the joint and independent contribution of parental immigrant status and neighborhood and built environment features associated with physical activity outcomes in Latino children.
Role: PI (25% FTE)

HRSA Bureau of Health Professions (PI: F Munet-Velaro) 2008-2012
The aim of this project is to meet the need for the development of community and public health nurses in leadership roles in New Jersey and to plan and implement solutions to the problems of healthcare access, health-status disparities, premature morbidity and mortality, assuring quality care and infrastructure preparedness at the local, regional, and state levels.
Role: Co-Investigator (10% FTE)

Foundation of UMDNJ (PI: SE Echeverria) 2008-2009 (no cost extension to July 2011)
"Can neighborhood parks promote children's physical activity levels in low income communities?"
Using qualitative and quantitative methodologies this pilot study examines neighborhood and cultural factors shaping Latino and African-American children's use of parks and physical activity levels.
Role: PI

Pending

NIH, Multiple Institutes, PA10-027 (PI: P Ohri-Vachaspati) 2011-2015
"Impact of environmental changes on children's BMI and behaviors: A panel study"
This study will examine the effect of policy and built environment changes in BMI and physical activity behaviors among children living across five low income communities.
Role: Co-Investigator (10% FTE, resubmitted March 2011)

NIH, NCI, R01CA149705 (PI: C Delnevo) 2011-2013
"Cell phone random digit dialing (RDD) sampling to reach young adults for tobacco control surveillance"
This study tests the feasibility of cell phone RDD sampling to obtain nationally representative estimates on smoking and tobacco control behaviors. The diversity supplement submitted under this grant will examine estimates obtained for Latino participants and factors that may explain potential discrepancies with other national surveys.
Role: PI on Diversity Supplement (60% FTE)

NIH, NCI, PAR-10-018, Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (PI: C Delnevo) 2012-2014
"Improving the quality of the nation's key tobacco surveillance systems"
The purpose of this research project is to better understand and address the challenges of existing tobacco control surveillance systems. This study will identify necessary improvements in the quality and scientific power of tobacco control surveillance data which can facilitate the planning of tobacco control strategies and initiatives.
Role: Co-Investigator (10% FTE)

Completed Support

Redes, Northeast region (National PI: A Ramirez; Regional Co-PI: Emilio Carrillo) 2007-2008
"Neighborhood-level factors influencing cancer risk among Latinas"
This pilot grant provided support for developing expertise on cancer research specific to Latinos/as.
Role: Junior Faculty Investigator

N01-HC95161 (PI: S Shea; Co-PI: A Diez-Roux) 2005-2006
NIH/ NHLBI, Multi-Ethnic Study of Atherosclerosis
"Reliability of self-reported neighborhood measures and associations with mental health and health behaviors"
Examined association between neighborhood problems and neighborhood social cohesion with mental health and health behaviors.
Role: Minority Doctoral Student Award

HRSA- 1P60MD00206 (PI: Carrasquillo) 2003-2004
Columbia Center for the Health of Urban Minorities
"Screening practices and citizenship status"
Examined the relation between citizenship status and pap smear and mammography screening.
Role: Co-Investigator

LANGUAGES

Fluency in Spanish (spoken and written); proficiency in Portuguese

SERVICE

Faculty Appointments

-Adjunct Assistant Professor, University of North Carolina, Chapel Hill, NC, Gillings School of Global Public Health, Department of Maternal and Child Health.

Technical Committees

-Member, Tu Corazon Latino Program Initiative of the American Heart Association, 2010-present;
-Member, New Brunswick, NJ Alliance for a Healthier Tomorrow, 2009-present;
-Team Leader, *Shaping New Jersey*, Physical Activity Workgroup for Center for Disease Control's Nutrition Physical Activity and Obesity (NPAO) Program in New Jersey, Department of Health, NJ, 2009-present;
-Member, *Shaping New Jersey*, Surveillance and Evaluation Workgroup for Center for Disease Control's Nutrition Physical Activity and Obesity (NPAO) Program in New Jersey, Department of Health, NJ, 2009-present;
-Member, Cross-National Initiative on Place, Migration and Health. Interinstitutional work group examining the links between migration processes and the health of immigrants. (Leader: D Acevedo-Garcia, Northeastern University), 2008-present.

Reviewer for Scientific Journals

Health and Place; Social Science and Medicine; Journal of Epidemiology and Community Health; Medical Care; Perinatal and Pediatric Epidemiology; Journal of Women's Health, BMC Cancer.

School-wide Service/ Student Service

-Coordinator of the Epidemiology Doctoral Program, UMDNJ-SPH, July 2010-present;
-Member, UMDNJ-SPH Financial Roadmap Task Force, March 2010-present;
-Member, UMDNJ-SPH Bylaws and Elections Committee;
-Member, Doctoral Program Committee, 2009-2012;
-Member, Curriculum Committee, 2011-2013;
-Faculty Coordinator, Doctoral Students Journal Club (Intermittent since 2008).

Community Service

-Member, Board of Directors, Children's Future, Trenton, New Jersey, February 2011-present
Member, Board of Directors, East Orange General Community Hospital, NJ, June 2009-present;
-Co-Founder, Community Health & Action Research Group, non-profit organization dedicated to integrating research, policy and community-based interventions for improving health. 2003-present.