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EDUCATION

- 2010 **Ph.D. in Epidemiology**
University of South Carolina, Columbia, SC (USC)
Dissertation title: "Associations of Built Food Environment with Adiposity and Dietary Intake among Youth with Diabetes."
- 2005 **M.S. in Geography and Environmental Resources / Geographic Information Systems (GIS)**
Southern Illinois University, Carbondale, IL (SIUC)
- 2000 **B.Sc. (Hons.) in Environmental and Biological Sciences**
Kathmandu University, Dhulikhel, Nepal

PROFESSIONAL EXPERIENCE

Research

- 2012-Present Research Assistant Professor, Department of Nutrition, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 2011-2012 Postdoctoral Research Associate for Global Obesity/Diabetes Prevention, Duke Global Health Institute, Duke University, Durham, NC
- 2010-2011 Research Associate, Department of Epidemiology and Biostatistics, USC, Center for Study of Nutrition and Health Disparities, Columbia, SC
- 2006-2010 Research Assistant, Department of Epidemiology and Biostatistics, USC, Center for Study of Nutrition and Health Disparities, Columbia, SC
- 2007 Consulting Practicum Student, "Development disability/ Mental Retardation among infants exposed to chemical contaminants in utero", School of Medicine, USC, Columbia, SC
- 2007 Research Assistant, Department of Epidemiology and Biostatistics, USC, Department of Health and Environmental Control, Columbia, SC
- 2005-2006 Research Assistant, Department of Epidemiology and Biostatistics, USC, Office for

Study of Aging, Columbia, SC

- 2005 Research Assistant, Department of Geology, SIUC
- 2004-2005 Research Assistant, Department of Geography and Environmental Resources, SIUC
- 2000-2003 GIS/Health Analyst, Biodiversity Conservation Center, Tiger/Rhino Conservation Project (Funded by UNDP/UNF/GEF)

Teaching

- 2011-2012 Instructor, Geographic Information Systems (GIS) and Global Health (Short course) Duke Global Health Institute, Duke University, Durham, NC
- 2007 Teaching Practicum Student, Epidemiologic Methods, Department of Epidemiology and Biostatistics, USC
- 2004-2005 Lab Instructor, GIS and Remote Sensing Lab, Department of Geography, SIUC
- 2004 Teaching Assistant, Department of Geography, SIUC
- 2003 Tutor, SIUC
- 1995-2000 Instructor, Uma Maheshwar High School, Kathmandu, Nepal

PEER-REVIEWED PUBLICATIONS

Lamichhane AP, Puett R, Porter DE, Bottai M, Mayer-Davis E, Liese AD. Associations of built food environment with body mass index and waist circumference among youth with diabetes. *International Journal of Behavioral Nutrition and Physical Activity*. 2012; 9: 81. doi: 10.1086/1479-5868-9-81.

Puett R, **Lamichhane AP**, Nichols M, Lawson AB, Standiford D, Liu L, Dabelea D, Liese AD. Neighborhood context and incidence of Type 1 Diabetes: the SEARCH for Diabetes in Youth study. *Health and Place*. 2012; 18(4): 911-916. doi: 10.1016/j.healthplace.2012.02.007

Liese AD, Puett R, **Lamichhane AP**, Nichols M, Dabelea D, Lawson AB, D'Agostino RB, Standiford D, Liu L, Mayer-Davis EJ. Neighborhood-Level Risk Factors for Type 1 Diabetes: The SEARCH Case-Control Study. *International Journal of Health Geographics*. 2012;11:1. Doi: 10.1186/1476-072X-11-1

Lamichhane AP, Mayer-Davis EJ, Puett R, Bottai M, Porter DE, Liese AD. Associations of built food environment with dietary intake among youth with diabetes. *Journal of Nutrition Education and Behavior*. 2012; 44(3): 217-224. DOI 10.1016/j.jneb.2011.08.003.

Liese AD, Colabianchi N, **Lamichhane AP**, Barnes T, Hibbert JD, Porter DE, Nichols M, Lawson AB. Validation of Three Food Outlet Databases: Completeness and Geospatial Accuracy in Rural and Urban Food Environments. *American Journal of Epidemiology*. 2010;172:1324-1333. doi: 10.1093/aje/kwq292

Liese AD, Lawson AB, Song HR, Hibbert JD, Porter DE, Nichols M, **Lamichhane AP**, Dabelea D, Mayer-Davis EJ, Standiford D, Liu L, Hamman RF, D'Agostino R. Evaluating geographic variation in type 1 and type 2 diabetes mellitus incidence in youth in four US regions. *Health and Place*. 2010;16(3): 547-556.

Dabelea D, Mayer Davis EJ, **Lamichhane AP**, D'Agostino R, Liese AD, Venkat Narayan KM, Hamman RF. Association of intrauterine exposure to maternal diabetes and obesity with type 2 diabetes in youth: SEARCH case-control (SEARCH CC) study. *Diabetes Care* 2008;31:1422-1426. doi: 10.2337/dc07-2417

Mayer Davis EJ, Dabelea D, **Lamichhane AP**, D'Agostino R, Liese AD, Thomas J, McKeown RE, Hamman RF. Breast feeding and type 2 diabetes in the youth of three ethnic groups: The SEARCH for diabetes in youth case-control study. *Diabetes Care* 2008;31:470-475. doi: 10.2337/dc07-1321.

Zhen H, Lawson AB, McDermott S, **Lamichhane AP**, Aelion CM. A spatial analysis of Mental Retardation (MR) of unknown cause and maternal residence during pregnancy. *Geospatial health* 2008; 2(2):173-182.

Pande A, Laditka S, Laditka JN, Davis DR. Aging in Place? Evidence that a state Medicaid waiver program helps frail older person avoid institutionalization. *Home Health Care Services Quarterly* 2007;26(3):39-60. doi:10.1300/J027v26n03_03.

Pande A, Williams C, Lant CL, Gibson DJ. Using map algebra to determine the mesoscale distribution of invasive plants: the case of *Celastrus orbiculatus* in Southern Illinois, USA. *Biological Invasion* 2007;9 (4):419-431. doi 10.1007/s10530-006-9049-x.

ACTIVE OR UNDER REVIEW MANUSCRIPTS

Lamichhane AP, Liese AD, Porter D, Bottai M, Puett R, Mayer-Davis E. (*revise and resubmit*). Spatial patterning of supermarkets and fast food outlets by neighborhood characteristics. *Health and Place*.

Liese AD, **Lamichhane AP**, Barnes TL, Hibbert JD, Colabianchi N, Lawson AB. (*in review*). Characterizing the food retail environment: Impact of count, type and geospatial error in two secondary data sources. *Journal of Nutrition Education and Behavior*.

Lamichhane AP, Puett R, Porter D, Dabelea D, West N, D'Agostino RB, Standiford D, Liu L, Liese AD. (*in the process of submission*). Neighborhood characteristics and Type 2 diabetes: A population based ecological and case-control study of Type 2 diabetes in youth. *Annals of Epidemiology*.

ABSTRACTS AND PRESENTATIONS

Lamichhane AP, Mayer-Davis E, Puett R, Bottai M, Porter D, Liese AD. Associations of built food environment with dietary intake among youth with diabetes. *American Public Health Association (APHA) Conference, Washington, DC. October 29-November 2, 2011.*

Lamichhane AP, Porter D, Bottai M, Mayer-Davis E, Puett R, Liese AD. Associations of built food environment with BMI and waist circumference among youth with diabetes. *The International Society for Behavioral Nutrition and Physical Activity (ISBNPA) Conference, Minneapolis, MN. June 9-12, 2010.*

Lamichhane AP, Liese AD, Puett R, Porter D. Does the availability of supermarket and fast-food outlet differ by neighborhood socioeconomic status and race composition? *The International Society for Behavioral Nutrition and Physical Activity (ISBNPA) Conference, Minneapolis, MN. June 9-12, 2010.*

Liese AD, **Lamichhane AP**, Nichols M, Colabianchi N, Barnes T. Accuracy of food outlet type designation in two secondary data sources. *The International Society for Behavioral Nutrition and Physical Activity (ISBNPA) Conference, Minneapolis, MN. June 9-12, 2010.*

Liese AD, Puett R, Nichols M, **Lamichhane AP**, Dabelea D, Lawson AB. Neighborhood-level risk factors for Type 1 Diabetes: A Case Control Study. *European Diabetes Epidemiology Group (EDEG) Conference. Greece. May 15-18, 2010.*

Lamichhane AP, Porter D, Bottai M, Mayer-Davis E, Puett R, Liese AD. Associations of built food environment with BMI and waist circumference among youth with diabetes. *"James E. Clyburn Health Disparities Lecture Series" at the University of South Carolina. April 9, 2010.*

Lamichhane AP, Porter D, Bottai M, Mayer-Davis E, Puett R, Liese AD. Associations of built food environment with BMI and waist circumference among youth with diabetes. *Graduate Student Day at the University of South Carolina. April 2, 2010.*

Pande A, Dabelea D, Liese AD, Hamman R, West NA, Mayer-Davis EJ. Low-birth weight is associated with Type 2 diabetes in youth: SEARCH for diabetes in youth study. *American Diabetes Association, 68th Annual Scientific Meeting, San Francisco, CA. June 6-10, 2008.*

Pande A, Laditka S, Laditka JN, Davis D. Aging in Place? Evidence that a state Medicaid waiver program helps frail older person avoid institutionalization. *The Gerontological Society of America, 59th Annual Scientific Meeting, Dallas, TX. Nov. 16-20, 2006.*

Pande A, Laditka JN, Laditka S, Davis D. Comparison of Health Status between Elderly and Disabled in E/D Waiver. *South Carolina Department of Health and Human Services. June 23, 2006.*

Pande A, Laditka JN, Laditka S, Davis D. Changes in Frailty in E/D Waiver: 1995 and 2005. *South Carolina Department of Health and Human Services. May 18, 2006.*

Pande A, Laditka JN, Laditka S, Davis D. Changes in Frailty between Individuals Enrolled in South Carolina CLTC program: 1995 and 2000. *3rd Aging Research Day, Yorktown, Charleston, SC. April 7, 2006.*

Pande A, Laditka JN, Laditka S, Davis D. Changes in Frailty in E/D Waiver: 1995 and 2000. *South Carolina Department of Health and Human Services. March 19, 2006.*

INVITED TALKS AND GUEST LECTURES

Lamichhane AP. Associations of built food environment with dietary intake among youth with diabetes. *Invited talk at South Asia Network for Chronic Disease (SANCD), the Public Health Foundation of India (PHFI), Delhi, India (during India research visit). February, 2012.*

Lamichhane AP. Methods for assessing nutritional status and its relevance in global context. *Guest lecture with Dr. Sara Neelon for Global Health Context Seminar Series, Duke Global Health Institute, Durham, NC. November 3, 2011.*

Lamichhane AP. Associations of built food environment with dietary intake among youth with diabetes. *Invited talk for Epidemiology Brown Bar Seminar Series, Duke University Medical Center, Durham, NC. September 1, 2011.*

Lamichhane AP. Associations of built food environment with BMI and waist circumference among youth with diabetes. *Invited talk for Childhood Obesity Research (CORE) Group Meeting, Duke Clinical Research Institute, Durham, NC. July 19, 2011.*

PROFESSIONAL MEMBERSHIPS

2011-present American Public Health Association
2010-present International Society for Behavioral Nutrition and Physical Activity
2007-present International Society of Environmental Epidemiology
2006-2010 South Carolina Public Health Association
2008-2009 American Diabetes Association
2005-2006 Gerontological Society of America
2003-2006 American Association of Geographers

TECHNICAL SKILLS

Computer applications: Microsoft office

GIS/ Remote Sensing applications: ArcView, ArcGIS, ArcInfo, AutoCAD, ERDAS Imagine, GEODA, MapInfo

Statistical software: SAS, SPSS, R

Epidemiology software: EPI Data, EPI Info

SCHOLARSHIP/ ASSISTANTSHIP

Postdoctoral Research Fellowship, Duke Global Health Institute, Duke University

2011- 2012

Graduate Research Assistant, Department of Epidemiology and Biostatistics, USC

2005- 2010

Graduate Research Fellowship, Illinois Department of Natural Resources (IDNR) for GIS mapping of exotic plant species in Southern Illinois area

2005

Graduate Research and Teaching Assistant, Department of Geography and Environmental Resources, SIUC

2003- 2005

NORAD scholarship (Management of Natural Resources and Sustainable Agriculture)

2003

Research Fellowship granted by National Trust For Nature Conservation (NTNC), for conducting undergraduate research project

2000

GRANTS AND RESEARCH FUNDINGS

Ongoing Research:

R01 DK077949 (PI: Elizabeth J. Mayer-Davis)
NIH/NIDDK

April 2008-March 2012

Nutrition and Metabolic Status in Diabetic Youth: SEARCH Nutrition Ancillary Study (SNAS)

Purpose: SNAS uses both cross-sectional and longitudinal designs, with the overall study goal being to examine associations of nutritional factors with 1) the progression of insulin secretion defects, and 2) the presence of CVD risk factors in youth with DM.

Role: Co-Investigator

R01 DA032316 (PI: Penny Gordon-Larsen)
NIH/ NIDA

April 2010-March 2015

Environmental Changes and health Outcomes across 25 Years: 4 cities study

Purpose: 4 cities study assesses the effects of the social environment on health of the participants enrolled in the CARDIA study.

Role: Research Associate

Completed Research:

Robert Wood Johnson Foundation, Active Living Research Grant (PI: Sara E. Benjamin Neelon)

January 2011-July 2012

NC on the Move Study

Purpose: Assessing a community campaign on childhood obesity. This project assessed the effects of a grass-roots intervention (natural experiment) within a high-risk community in the Southern U.S.

Role: Postdoctoral Research Associate

R01 DK078798-05 (PI: Gary Bennett)

September 2008-August 2013

Community Based Obesity Prevention Among Black (The SHAPE study)

Purpose: This study will evaluate the efficacy of a behavioral intervention, designed to prevent obesity among overweight (25-29.9 kg/m²) premenopausal Black women (aged 25-44), compared to usual care.

Role: Postdoctoral Research Associate

1 R01 DK059184-01A2 (PI: Elizabeth J. Mayer-Davis)

December 2002-November 2006

NIH/NIDDK, Subcontract to University of Colorado

Defining Diabetes in Youth

Purpose: This is a study of the demographic, behavioral, metabolic, and genetic characteristics of various types of diabetes that occur in children and to evaluate, in a case-control design, risk factors for the various types of diabetes in youth with a focus on etiology of type 2 diabetes in this age group. The study is an ancillary study to the SEARCH national project. There is no scientific or budgetary overlap.

Role: Graduate Research Assistant

1R01 DK077131-01 (PI: Angela Liese)

January 2007-December 2009

NIH

Spatial epidemiology of diabetes in the SEARCH for Diabetes in Youth Study

Purpose: This ancillary study to the SEARCH for Diabetes in Youth Study and the SEARCH Case Control study aims to (1) describe and map the spatial distribution of incident pediatric diabetes; (2) evaluate the association of diabetes incidence with geographic and neighborhood characteristics; (3) to explore the extent to which geographical and neighborhood characteristics and established individual-level risk factors are similar or different with respect to their influence of Type 1 or Type 2 diabetes.

Role: Graduate Research Assistant

1R21CA132133-01 (PIs: Angela Liese & Andrew Lawson)

June 2008-May 2011

NIH

Developing Measures of the Built Nutrition Environment

Purpose: This project aims to apply and further develop accessibility measures of the built nutritional environment using GIS technology. It will rigorously evaluate the statistical properties of the nutritional accessibility measures and explore their spatial attributes in study area comprising seven rural and one urban county.

Role: Graduate Research Assistant