

CURRICULUM VITAE

DATE: November 2016

PERSONAL INFORMATION

NAME: Angela Dorothea Liese

ADDRESS: Department for Epidemiology and Biostatistics
University of South Carolina
Arnold School of Public Health
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EDUCATION

1996 Doctor of Philosophy (Ph.D.) Epidemiology
Department of Epidemiology
School of Public Health, University of North Carolina, Chapel Hill
Dissertation title: The development of the multiple metabolic syndrome: the role of insulin, anthropometric indices, and parental history

1993 Master of Public Health (M.P.H.)
Department of Biostatistics and Epidemiology
School of Public Health, University of Massachusetts, Amherst

1991 Master of Science in Nutrition (Diplom)
Institute of Nutritional Science
University of Bonn, Germany
Thesis title: Pesticide residues in fruit and vegetables: a comparison between the US and Germany

PROFESSIONAL EXPERIENCE

2010 – Professor of Epidemiology (with tenure)
Department of Epidemiology and Biostatistics
Arnold School of Public Health
University of South Carolina

- 2008-2013 Director
Center for Research in Nutrition and Health Disparities
Arnold School of Public Health
University of South Carolina
- 2011-2012 Division Head for Epidemiology
Department of Epidemiology and Biostatistics
Arnold School of Public Health
University of South Carolina
- 2006 – 2010 Associate Professor (with tenure)
Department of Epidemiology and Biostatistics
Arnold School of Public Health
University of South Carolina
- 2002 – 2006 Assistant Professor
Department of Epidemiology and Biostatistics
Arnold School of Public Health
University of South Carolina
- 2000 – 2002 Research Assistant Professor
Department of Epidemiology and Biostatistics
Arnold School of Public Health
University of South Carolina
- 1996 – 2000 Lecturer in Epidemiology and Research Associate
Institute of Epidemiology and Social Medicine
University of Münster, Germany

WORK EXPERIENCE

Professor (tenured), August 2010 – present
Associate Professor (tenured), August 2006 – August 2010
Assistant Professor, August 2002 – August 2006
Department of Epidemiology and Biostatistics
Arnold School of Public Health
University of South Carolina, Columbia

Active research program on (1) epidemiology of childhood and adult diabetes mellitus, (2) nutritional epidemiology with a focus on dietary patterns, and (3) public health nutrition with a focus on spatial food access and food security.

Current active projects include: research on food deserts (RIDGE 2011-2012, PI Liese) and an evaluation of a natural experiment conducted in a food desert (NIH/NCI 2013-2017, PI Sharpe); food security in children (USDA/FNA/KYPRC 2011-2013, PI Jones) and expanding food security research at USC (USC ASPIRE 2013-2015); nutritional risk factors in youth with diabetes (NIH/NIDDK 2014-2018, PI Mayer-Davis); environmental and air pollution-associated with inflammation in youth with diabetes (NIH/NIEHS 2011-2015, PI Puett); the role of health care access on glycemic control in youth with diabetes (USC ASPIRE I 2014-2015). National collaborative efforts include Dietary Patterns Methods Project (NIH/NCI 2012-2016).

Director, January 2008 – 2013
Center for Research in Nutrition and Health Disparities
Arnold School of Public Health
University of South Carolina, Columbia

Advancing the Center's stated vision, mission and goals to engage interdisciplinary scholars and stakeholders in collaborative nutrition and health disparities research that advances knowledge and transforms communities by providing administrative oversight, supporting staff members, engaging steering and executive committee and affiliated scholars, providing non-formal educational opportunities for students, staff, and researchers, providing scientific leadership in engaging in collaborative activities and partnerships including but not limited to applications for funding.

Research Assistant Professor
June 2000 – August 2002
Department of Epidemiology and Biostatistics
Arnold School of Public Health
University of South Carolina, Columbia

Building research program on epidemiology of childhood obesity, nutrition and diabetes mellitus, while continuing work on risk factors for metabolic syndrome and cardiovascular disease in adults.

Co-Principal Investigator and CDC-funded multi-center *SEARCH for Diabetes in Youth* project (2000-2005) on classification, prevalence and incidence of childhood diabetes (PI-SC: Mayer-Davis). Participation in national steering committee and case ascertainment committee. Support of multiple *SEARCH* ancillary study proposals.

Pilot study of diet and physical activity as related to obesity in children conducted in 2001 funded by USC Research & Productive Scholarship Grant 2001 (PI: Liese).

International collaboration with *ISAAC (International Study of Asthma and Allergies in Childhood)*, *EPIC (European Prospective Investigation into Cancer and Nutrition)* and *EUROASPIRE* studies in Germany.

Course director of Doctoral Seminar (Spring 2002). Academic and thesis advising of USC masters students, mentoring doctoral students, including fellowship applications.

Lecturer in Epidemiology and Research Associate

June 1996 – May 2000

Institute of Epidemiology and Social Medicine
University of Münster, Germany

Co-principal investigator of *EUROASPIRE II* (Münster center), a multi-center health care quality study funded by the European Society for Cardiology aimed to evaluate whether the European recommendations on secondary prevention of coronary disease are being followed.

Additional focus on potential improvement in risk factor management of coronary patients in the last 4 years since *EUROASPIRE I*. Role in *EUROASPIRE II* included coordination of research project, project management, staff training, supervision of data analysis. Field work began in July 1999, concluded in mid-2000.

Involved in multiple research projects on cardiovascular disease. Analyzing data from the *MONICA Augsburg* project 1984-1995 (Monitoring Trends and Determinants in Cardiovascular Diseases), including cross-sectional analyses, cohort analyses of 8 and 12 year mortality and CHD morbidity follow-up, and trend analyses across three cross-sectional surveys conducted at 5 year intervals. Focus of own research on metabolic and anthropometric risk factors for myocardial infarction. Consulted on and conducted statistical analysis for other *MONICA* investigators.

Collaborative research as an investigator of the *International Study of Asthma and Allergies in Childhood (ISAAC)*, *Atherosclerosis Risk in Communities (ARIC)* Study and the *NHLBI Family Heart Study (FHS)* with the Department of Epidemiology Chapel Hill, North Carolina. Collaboration in Germany with German Institute of

Human Nutrition, using data of the European Prospective Investigation into Cancer and Nutrition (EPIC).

Assisted in evaluation of cancer registry conducted by Prof. P. Nasca, Amherst, prepared final evaluation report. Spearheaded epidemiologic analyses using registry data on leukemias and lymphomas. Evaluated completeness of leukemia and lymphoma registration in Münster by comparison with registry of Saarland, Germany, the only fully accredited, population-based German cancer registry to date. Taught third year medical students.

Taught first and third year medical students in concepts of public health and basic epidemiologic principles through lectures and seminars. Successfully introduced collaborative learning technique into curriculum. Developed teaching modules for faculty. Developed and graded exams. Mentored two doctoral students of the Institute.

ACADEMIC HONORS

2016	Breakthrough Leadership in Research Award, U of South Carolina
2011	Arnold School of Public Health Research Award
2007	James A. Keith Excellence in Teaching Award
2007	Fellow of the American Heart Association (FAHA)
1996	Delta Omega Honorary Society in Public Health, Theta Chapter
1993-1995	German Academic Exchange Service (DAAD) Fellowship for Doctorate Studies
1992	German Academic Exchange Service (DAAD) Fellowship for Post Graduate Studies

SERVICE

UNIVERSITY-WIDE SERVICE

2012 – Present	Mentor, NIH Loan Repayment Program Awardees (currently 2)
2014	Presenter, School of Social Work Seminar Professional Development seminar series, University of South Carolina
2013 – 2014	Member, Tenure and Promotion Criteria Development Committee, University of South Carolina School of Medicine at Greenville
2011 – 2015	Presenter, Annual Symposium Center for Research in Nutrition and Health Disparities, University of South Carolina

2008 – 2009	Presenter, Annual Retreat of Research Consortium for Children and Families, University of South Carolina
2007 – 2009	Member, School of Public Health Dean Search Committee
2007 – 2008	Member, Health Insurance Initiative Committee
2007 – 2008	Member, Committee on Instructional Development
2007	Member, Search Committee for Joint Position in Southern Studies & Public Health, Institute for Southern Studies, University of South Carolina
2007	Panelist – Voices of International Faculty: What They Can Teach Us about Campus Climate for International Students; IdeaPOP! 2007 “Being a Carolinian, Embracing Diversity: Knowledge, Respect, Engagement”

SCHOOL-WIDE SERVICE

2015	Presenter, New Faculty Orientation, Arnold School of Public Health
2007 – 2015	Presenter, Seminar Series of Center for Research in Nutrition and Health Disparities
2015 – Present	Member, Student Awards Committee, Arnold School of Public Health
2015 – Present	Member, Advisory Committee, Prevention Research Center
2011 – 2013	Chair, Tenure and Promotion Committee, Arnold School of Public Health
2011– 2012	Chair, Nutrition Cluster Search
2008 – 2013	Director, Center for Research in Nutrition and Health Disparities
2007 – Present	Faculty Peer Reviewer of Classroom Teaching
2007	Member, Academic Programs Committee
2007	Member, James A. Keith Teaching Awards Committee
2006 – 2013	Member, Executive Committee – Center for Research in Nutrition and Health Disparities
2006 – Present	Member, Steering Committee – Center for Research in Nutrition and Health Disparities
2006 – Present	Member, Arnold School of Public Health Tenure and Promotion Committee
2003 – 2007	Member, Seed Grant Review Committee – Center for Research in Nutrition and Health Disparities
2006-2007	Chair, Student Awards Committee
2003 – 2006	Member, Student Awards Committee

DEPARTMENT SERVICE

2015 – Present	Member, Exam Committee
2011 – Present	Member, Admissions Committee
2007 – Present	Mentor, Junior and Mid-Career Faculty (currently 4)
2007 – 2008	Member, Exam Committee

2005 – 2007 Chair, Curriculum Committee
2001 – 2005 Member, Curriculum Committee

COMMUNITY SERVICE

2015 – Present Member, South Carolina BRFSS Advisory Committee, Department of Health and Environmental Control (DHEC)
2015 – Present Member, Southeastern University Consortium on Hunger, Poverty, and Nutrition
2008 – Present External reviewer for tenure and promotion for the following institutions:
Case Western Reserve University
University of Texas
Clemson University
Saint Louis University
Arizona State University
University of Pittsburgh, School of Medicine
Wake Forest University, School of Medicine
Mount Sinai School of Medicine
2004 – 2006 DHEC South Carolina Obesity Initiative
2008 – 2011 South Carolina Nutrition Research Consortium - Scientific Council
2000 – 2008 Diabetes Initiative of South Carolina

SERVICES PROVIDED TO SCIENTIFIC COMMUNITIES

2015 – Present Member, American College of Epidemiology Mentoring Committee
2014 – Present Member, Editorial Board Journal of Health & Place
2015 – 2017 Co-mentor, NIH K01 Career Development Grant (Dr. Jill Kaar) - pending

Journal reviewer for: American Journal of Public Health (2001), American Journal of Clinical Nutrition (2003-2004, 2007), American Journal of Epidemiology (2007, 2010), Annals of Epidemiology (2001, 2013,2015), Annals of Nutrition & Metabolism (2000), Appetite (2016), Applied Geography (2014-2015), BMC Public Health (2012, 2013), British Journal of Nutrition (2001-2012,2016), Diabetes Care (2001-2012), Diabetes (2009), Diabetes Journal (2009), Diabetologia (2013), Disability and Health Journal (2015), International Journal of Epidemiology (1996-2002), European Journal of Clinical Nutrition (2004, 2007, 2010, 2013), Ecology of Food and Nutrition (2011), Environmental Health Perspectives (2013), International Journal of Behavioral Nutrition and Physical

Activity (2011), International Journal of Health Geographics (2008, 2011,2014), International Journal of Obesity (2001-2007), Journal Academy Nutrition Dietetics (2015), Journal of American Dietetic Association (2008, 2012), Journal of the American Medical Association (2012), Journal of Applied Geography (2013-2014), Journal Pediatric Psychology (2006), Journal of Pediatrics (2008), Journal of Public Health Research (2014-2015), Journal of Rural Health (2008), Journal of Nutrition (2006-2007, 2009,2015), Journal of Nutrition Education and Behavior (2010-2014), Health & Place (2009, 2012, 2014-2016), Nutrition (2006, 2009), Nutrition Journal (2010-2013), Obesity Research (2005), Pediatrics (2006, 2009), Pediatric Diabetes (2007m2016), Preventive Medicine (2007-2008), Public Health Nutrition (2006-2007, 2011, 2013,2015-2016), Rural and Remote Health (2008), Social Science & Medicine (2009-2010)

Abstract reviewer for: American Heart Association Council on Epidemiology and Prevention (2004-2007),
American Public Health Association (2006)
European Society of Cardiology Annual Meeting of the Epidemiology and Prevention Working Group (2000);
German Epidemiologic Association (2001-2002),

Grant reviewer for: American Diabetes Association (2005-2007); CDC Grants for Public Health Research Dissertation Review Panel (2007); NIH Kidney, Nutrition, Obesity & Diabetes Study Section (KNOD) 2010, 2014); NIH/NIDDK Ancillary Clinical Research Studies Panel ZDK1 GRB-9, (2007); NIH/NIDDK Special Emphasis Panel ZDK1 GRB-N O1 1, Pregnancy and Obesity (2006); NIH Social Sciences and Population Studies Study Section [SSPS], Council ZRG1 HOP-E 02 M (2008); NIH Special Emphasis Panel: Dietary and Physical Activity Assessment methods, ZRG1 HOP-D (50) (2008); USC Center for Research in Nutrition and Health Disparities (2003-2007); NIH ZDK1 GRB-N (J3) NIDDK Ancillary Studies on Nutrition and Diabetes (2015)

PROFESSIONAL ASSOCIATIONS

American Heart Association, Council on Epidemiology and Prevention
American College of Epidemiology
American Society for Nutrition

RESEARCH INTERESTS

Epidemiology and prevention of diabetes mellitus in children and adolescents, cardiovascular disease in adults; methods and applications of nutritional epidemiology with a focus on individual nutritional risk factors, dietary patterns, spatial food access and food security

TEACHING INTERESTS

Innovative, problem-based approaches to teaching epidemiologic methods, cardiovascular disease and nutritional epidemiology

PUBLICATIONS AND PRESENTATIONS

PEER REVIEWED PUBLICATIONS (underlined author is a student; *more than 50 citations according to WebofScience; **more than 100 citations according to WebofScience)

2016 (n=11)

1. Grau-Pérez M, Kuo C, Spratlen M, Thayer KA, PhD6, Mendez MA, Hamman R, Dabelea D, Adgate JL, Knowler WC, Bell RA, Miller FW, **Liese AD**, Zhang C, Douillet C, Drobná Z, Mayer-Davis EJ, Styblo M, Navas-Acien A. The Association of Arsenic Exposure and Metabolism with Type 1 and Type 2 Diabetes in Youth: The SEARCH Case-Control Study. *Diabetes Care*. In press. (IF=8.420)
2. Crume TL, Hamman RF, Isom S, Talton J, Divers J, Mayer-Davis EJ, Zhong VW, **Liese AD**, Saydah S, Standiford DA, Lawrence JM, Pihoker C, Dabelea D, for the SEARCH for Diabetes in Youth Study Group. Factors Influencing Time to Case Registration for Youth with Type 1 and Type 2 Diabetes: SEARCH for Diabetes in Youth Study. *Annals of Epidemiology*. 2016 Sep;26(9):631-7. PMID: 27664849 (IF=2.335)
3. Barnes TL, Colabianchi N, Freedman DA, Bell BA, **Liese AD**. Do GIS-derived measures of fast food retailers convey perceived fast food opportunities? Implications for food environment assessment. *Annals of Epidemiology*. 2016 Aug 20. pii: S1047-2797(16)30244-7. PMID:27617371. (IF=2.335)
4. Fleischer NL, Wu Y, Henderson AK, **Liese AD**, McLain AC. Disparities in Diabetes by Education and Race/Ethnicity in the US, 1973-2012. *American Journal of Preventive Medicine*. 2016 Aug 20. pii: S0749-3797(16)30248-3. PMID: 27554365. (IF=4.527)
5. Tabung FK, Steck S, Zhang J, Ma Y, **Liese AD**, Tylavsky F, Vitolins M, Ockene J, Hebert J. Longitudinal Changes in the Dietary Inflammatory Index: An Assessment of the

- Inflammatory Potential of Diet over Time in Postmenopausal Women. *European Journal of Clinical Nutrition*. 2016 Jul 6. [Epub ahead of print]. PMID:27380883. (IF=2.709)
6. Corathers SD, Kichler JC, Fino NF, Lang W, Lawrence JM, Raymond JK, Yi-Frazier JP, Dabelea D, **Liese AD**, Saydah SH, Seid M, Dolan LM. High health satisfaction among emerging adults with type 1 and type 2 diabetes: Factors predicting resilience. *Health Psychology*. 2016 Oct 13. [Epub ahead of print]. PMID: 27736152. (IF=3.611)
 7. Yi-Frazier, JP, Hilliard ME, Fino NF, Naughton MJ, **Liese AD**, Hockett CW, Hood KK, Pihoker C, Seid M, Lang W, Lawrence JM. Whose quality of life is it anyway? Discrepancies between youth and parent health-related quality of life ratings in type 1 and type 2 diabetes. *Quality of Life Research*. 2016 May;25(5):1113-21. PMID:26466834. PMCID: PMC4936832. (IF= 2.486)
 8. Tabung FK, Steck SE, **Liese AD**, Zhang J, Ma Y, Johnson KC, Lane DS, Qi L, Snetselaar L, Vitolins MZ, Ockene JK, Hebert JR. Patterns of change over time and history of the inflammatory potential of diet and risk of breast cancer among postmenopausal women. *Breast Cancer Res Treat*. 2016 Aug;159(1):139-49. PMID: 27475089. (IF= 3.940)
 9. Barnes TL, Colabianchi N, Hibbert JD, Lawson AB, **Liese AD**. Scale effects in food environment research: Implications from assessing socioeconomic dimensions of supermarket accessibility in an eight-county region of South Carolina. *Applied Geography. Appl Geogr*. 2016 Mar;68:20-27. PMID: 27022204. PMCID: PMC4807632. (IF=2.565)
 10. **Liese AD**, Draper CL, Martini L, Bell BA, Freedman DA, Burke MP, Younginer N, Blake CE, Probst J, Jones SJ. Recruitment strategies and participation in a study of childhood hunger. *J of Hunger and Environmental Nutrition*. 2016 May 7:1-18.
 11. Knight CK, Probst JC, **Liese AD**, Jones SJ. Household food insecurity and medication "Scrimping" among US adults with Diabetes. *Prev Med*. 2016 Feb;83:41-5. PMID: 26656403. (IF=3.086)

2015 (n=13)

12. Mondesir FL, White K, **Liese AD**, McLain AC. Gender differences in illness-related diabetes social support and glycemic control among middle-aged and older adults. *J Gerontol B Psychol Sci Soc Sci*. 2015 Aug 25. pii: gbv061. PMID: 26307487. (IF=3.213)
13. Dickson JC, **Liese AD**, Lorenzo C, Haffner SM, Watkins SM, Wagenknecht LE, Hanley AJ. Associations of coffee consumption with markers of liver injury in the Insulin Resistance Atherosclerosis Study. *BMC Gastroenterol*. 2015 Jul 28;15:88. PMID: 26215323.PMCID: PMC4515880. (IF=2.365)

14. Barnes TL, Freedman DA, Bell BA, Colabianchi N, **Liese AD**. Geographic measures of retail food outlets and perceived availability of healthy foods in neighborhoods. *Public Health Nutr.* 2016 Jun;19(8):1368-74. PMID: 26427621. (IF=2.679)
15. **Liese AD**, Crandell JL, Tooze JA, Kipnis V, Bell R, Couch SC, Dabelea D, Crume TL, Mayer-Davis EJ. Sugar-sweetened beverage intake and cardiovascular risk factor profile in youth with type 1 diabetes: Application of measurement error methodology in the SEARCH Nutrition Ancillary Study. *Br J Nutr.* 2015 Aug 14;114(3):430-8. PMID: 26177613. PMCID: PMC4817246. (IF=3.453)
16. Li C, Beech B, Crume T, D'Agostino RB Jr, Dabelea D, Kaar JL, **Liese AD**, Mayer-Davis EJ, Pate R, Pettitt DJ, Taplin C, Rodriguez B, Merchant AT. Longitudinal association between television watching and computer use and risk markers in diabetes in the SEARCH for Diabetes in Youth Study. *Pediatr Diabetes.* 2015 Aug;16(5):382-91. PMID: 25041407. PMCID: PMC4291304. (IF=2.569)
17. Oexle N, Barnes TL, Blake CE, Bell BA, **Liese AD**. Neighborhood fast food availability and fast food consumption. *Appetite.* 2015 Sep;92:227-32. PMID: 26025087. PMCID: PMC4500533 (IF=2.691)
18. Barnes TL, Bell BA, Freedman DA, Colabianchi N, **Liese AD**. Do people really know what food retailers exist in their neighborhood? Examining GIS-based and perceived presence of retail food outlets in an eight-county region of South. *Spat Spatiotemporal Epidemiol.* 2015 Apr;13:31-40. PMID: 26046635. PMCID: PMC4457938.
19. Pate RR, Taverno Ross SE, **Liese AD**, Dowda M. Associations among physical activity, diet quality, and weight status in U.S. adults. *Medicine & Science in Sports & Exercise.* 2015 Apr;47(4):743-50. PMID: 25058328. PMCID: PMC4422397. (IF=3.983)
20. **Liese AD**, Krebs-Smith SM, Subar AF, George SM, Harmon BE, Neuhouser ML, Boushey CJ, Schap TE, Reedy J. The Dietary Patterns Methods Project: Synthesis of findings across cohorts and relevance to dietary guidance. *J Nutr.* 2015 Mar;145(3):393-402. PMID: 25733454. PMCID: PMC4336525. (IF=3.875)
21. Tabung FK, Steck SE, Ma Y, **Liese AD**, Zhang J, Caan B, Hou L, Johnson KC, Mossavar-Rahmani Y, Nitin S, Wactawski-Wende J, Ockene JK, Hebert JR. The Association between Dietary Inflammatory Index and Risk of Colorectal Cancer among Postmenopausal Women: Results from the Women's Health Initiative. *Cancer Causes and Control.* 2015 Mar;26(3):399-408. PMID: 25549833. PMCID: PMC4334706. (IF=2.735)
22. Tabung FK, Steck SE, Zhang J, Ma Y, **Liese AD**, Agalliu I, Hingle M, Hou L, Hurley TG, Jiao L, Martin LW, Millen AE, Park HL, Rosal MC, Shikany JM, Shivappa N, Ockene JK, Hebert JR. Construct validation of the dietary inflammatory index among postmenopausal women. *Ann Epidemiol.* 2015 Jun;25(6):398-405. PubMed PMID: 25900255. PMCID: PMC4433562. (IF=2.000)

23. Ma X, Fleischer NL, Liu J, Hardin JW, Zhao G, **Liese AD**. Neighborhood Deprivation and Preterm Birth: An Application of Propensity Score Matching. *Ann Epidemiol*. 2015 Feb;25(2):120-5. PMID: 25523896. (IF=2.000)
24. **Liese AD**, Crandell JL, Tooze JA, Fangman MT, Couch SC, Merchant AT, Bell RA, Mayer-Davis EJ. Relative validity and reliability of a food frequency questionnaire in youth with type 1 diabetes. *Public Health Nutr*. 2015 Feb;18(3):428-37. PMID: 24679679. PMCID: PMC4353637. (IF=2.679)

2014 (n=14)

25. Tripathi A, **Liese AD**, Winniford MD, Rizvi AA, Jerrell JM, Zhang J, Duffus WA. Impact of clinical and therapeutic factors on incident cardio-cerebrovascular events in a population-based cohort of HIV-infected and non-HIV infected adults. *Clin Cardiol*. 2014 Sep;37(9):517-22. PMID: 25223811. (IF=2.586)
26. Santaren ID, Watkins SM, **Liese AD**, Wagenknecht LE, Rewers MJ, Haffner SM, Lorenzo C, Hanley AJ. Serum pentadecanoic acid (15:0), a short-term marker of dairy food intake, is inversely associated with incident type 2 diabetes and its underlying disorders. *Am J Clin Nutr*. 2014 Dec;100(6):1532-40. PMID: 25411288. PMCID: PMC4232018. (IF=6.770)
27. Lamichhane AP, **Liese AD**, Urbina EM, Crandell J, Jaacks LM, Dabelea D, Black MH, Merchant AT, Mayer-Davis EJ. Associations of Dietary Intake Patterns Identified Using Reduced Rank Regression with Markers of Arterial Stiffness among Youth with Type 1 Diabetes. *European Journal of Clinical Nutrition*. 2014 Dec;68(12):1327-33. PMID:24865480. PMCID: PMC4247344. (IF=2.709)
28. *Dabelea D, Mayer-Davis EJ, Saydah S, Imperatore G, Linder B, Divers J, Bell R, Badaru A, Talton JW, Crume T, **Liese AD**, Merchant AT, Lawrence JM, Reynolds K, Dolan L, Liu LL, Hamman RF; SEARCH for Diabetes in Youth Study. Prevalence of type 1 and type 2 diabetes among children and adolescents from 2001 to 2009. *JAMA*. 2014 May 7;311(17):1778-86. PMID: 24794371. PMCID: PMC4368900.(IF=13.116)
29. Tripathi A, **Liese AD**, Jerrell JM, Zhang J, Rizvi AA, Albrecht H, Duffus WA. Incidence of diabetes mellitus in a population-based cohort of HIV-infected and non-HIV-infected persons: the impact of clinical and therapeutic factors over time. *Diabet Med*. 2014 Oct;31(10):1185-93. PMID: 24673640. (IF=3.115)
30. Jaacks LM, Crandell J, **Liese AD**, Lamichhane AP, Bell RA, Dabelea D, D'Agostino RB Jr, Dolan LM, Marcovina S, Reynolds K, Shah AS, Urbina EM, Wadwa RP, Mayer-Davis EJ. No association of dietary fiber intake with inflammation or arterial stiffness in youth with type 1 diabetes. *J Diabetes Complications*. 2014 May-Jun;28(3):305-10. PMID: 24613131. PMCID: PMC4011131. (IF=3.005)
31. Reedy J, Krebs-Smith SM, Miller PE, **Liese AD**, Kahle LL, Park Y, Subar AF. Higher diet quality is associated with decreased risk of and all-cause, cardiovascular disease, and

- cancer mortality among older adults. *The Journal of Nutrition*. 2014 Jun;144(6):881-9. PMID: 24572039. PMCID: PMC4018951 (IF=3.875)
32. Bottai M, Frongillo EA, Sui X, O'Neill JR, McKeown RE, Burns TL, **Liese AD**, Blair SN, Pate RR. Use of quantile regression to investigate the longitudinal association between physical activity and body mass index. *Obesity (Silver Spring)*. 2014 May;22(5):E149-56. PMID: 24039223. PMCID: PMC3954962. (IF=3.734)
33. Sohi I, Bell BA, Liu J, Battersby SE, **Liese AD**. Differences in Food Environment Perceptions and Spatial Attributes of Food Shopping between Residents of Low and High Food Access Areas. *Journal of Nutrition Education and Behavior*. 2014 Jul-Aug;46(4):241-9. PMID:24560861. PMCID: PMC4205937. (IF=1.773)
34. **Liese AD**, Hibbert JD, Ma X, Bell BA, Battersby SE. Where are the food deserts? An evaluation of policy-relevant measures of community food access in South Carolina. *Journal of Hunger and Environmental Nutrition*. 2014 Mar; 9(1):16-32. DOI:10.1080/19320248.2013.873009. PMID: 26294937. PMCID: PMC4540074.
35. Choi YH, McKeown RE, Mayer-Davis EJ, **Liese AD**, Song KB, Merchant AT. Serum C-reactive Protein and Immunoglobulin G Antibodies to Periodontal Pathogens may be Effect Modifiers of Periodontitis and Hyperglycemia. *J Periodontol*. 2014 Sep;85(9):1172-81. PMID: 24410292. (IF=2.706)
36. Pettitt DJ, Talton J, Dabelea D, Divers J, Imperatore G, Lawrence JM, **Liese AD**, Linder B, Mayer-Davis EJ, Pihoker C, Saydah SH, Standiford DA, Hamman RF; SEARCH for Diabetes in Youth Study Group. Prevalence of Diabetes in U.S. Youth in 2009: The SEARCH for Diabetes in Youth Study. *Diabetes Care*. 2014 Feb;37(2):402-8. PMID: 24041677. PMCID: PMC3898760. (IF=8.420)
37. Lee CC, **Liese AD**, Lorenzo C, Wagenknecht LE, Haffner SM, Rewers MJ, Hanley AJ. Egg consumption and insulin metabolism in the Insulin Resistance Atherosclerosis Study (IRAS). *Public Health Nutr*. 2014 Jul;17(7):1595-602. PMID: 23777633. (IF=2.679)
38. **Liese AD**, Bell BA, Barnes TL, Colabianchi N, Hibbert JD, Blake CE, Freedman DA. Environmental influences on fruit and vegetable intake: Results from a path analytic model. *Public Health Nutr*. 2014 Nov; 17(11):2595-604. PMID: 24192274. PMCID: PMC4024083. (IF=2.679)
- 2013 (n=15)
39. Freedman DA, Blake CE, **Liese AD**. Developing a multicomponent model of food access and related implications for community and policy practice. *J Community Pract*. 2013;21(4):379-409. PMID:24563605. PMCID:PMC3930921
40. Ma X, Battersby SE, Bell BA, Hibbert JD, Barnes TL, **Liese AD**. Variation in low food access areas due to data source inaccuracies. *Appl Geogr*. 2013 Dec; 45:131-7. PMID: 24367136. PMCID: PMC3869099. (IF=2.650)

41. Lamichhane AP, Warren J, Puett R, Porter DE, Bottai M, Mayer-Davis EJ, **Liese AD**. Spatial patterning of supermarkets and fast food outlets with respect to neighborhood characteristics. *Health Place*. 2013 Sep;23:157-64. PMID: 23933445. PMCID:PMC3823380. (IF=2.435)
42. Mottl AK, Lauer A, Dabelea D, Maahs D, D'Agostino Jr, RB, Dolan LM, Gilliam LK, Lawrence JM, Rodriguez B, Marcovina SM, Imperatore G, Kanakatti Shankar R, Afkarian M, Reynolds K, **Liese AD**, Mauer M, Mayer-Davis EJ, for the SEARCH for Diabetes in Youth Study Group. Albuminuria according to status of autoimmunity and insulin sensitivity among youth with type 1 and type 2 diabetes. *Diabetes Care*. 2013 Nov; 36(11):3633-8. PMID: 23846811. PMCID: PMC3816857. (IF=8.570)
43. Tripathi A, Jerrell JM, **Liese AD**, Zhang J, Rizvi AA, Albrecht H, Duffus WA. Association of clinical and therapeutic factors with incident dyslipidemia in a cohort of human immunodeficiency virus-infected and non-infected adults: 1994-2011. *Metab Syndr Relat Disord*. 2013 Dec;11(6):417-26. PMID: 23909647. (IF=1.916)
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129. Liao D, Evans G, Arnett D, Pankow J, **Liese A**, Davis CE, Salomaa V, Heiss G. Multiple metabolic syndrome is associated with increased arterial stiffness - the ARIC Study. *American Heart Association 38th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, March 18-21, 1998, Santa Fe, New Mexico*. (Circulation 1998; 97:828.)
130. Bensen J, **Liese A**, Rushing J, Province M, Folsom A, Rich S, Higgins M. Validation of family history of coronary heart disease: the FHS Study. *National Society of Genetic Counselors 16th Annual Education Conference, October 25-27, 1997, Baltimore, Maryland*. (J Genetic Counseling 1997, 6 (4): 470-1.)
131. **Liese AD**, Hense HW, Hendricks P, Lydtin H, Trenkwalder P. Association of diabetes with incident, questionnaire ascertained cardio- and cerebrovascular events in an elderly population. *European Regional Meeting of the International Epidemiological Association, September 3-6, 1997, Münster, Germany*.
132. **Liese AD**, Enbergs A, Keil U. Secondary prevention of CHD in the Münster, Germany, EUROASPIRE study. *4th International Conference on Preventive Cardiology, June 29-July 3, 1997, Montreal, Canada*. (Can J Cardiol 1997; 13 Suppl B: 290B.)

133. Liao D, Sloan R, Cascio W, Folsom A, Cai J, **Liese A**, Evans G, Sharrett. Cardiac autonomic activity and multiple metabolic syndrome - the ARIC study. *4th International Conference on Preventive Cardiology, June 29-July, 3 1997, Montreal, Canada.* (Can J Cardiol 1997; 13 Suppl B: 372B.)
134. **Liese AD**, Mayer EJ, Keil U, Heiss G. Parental history of diabetes and hypertension and the multiple metabolic syndrome: the ARIC Study. *Symposium Metabolic Syndrome - Syndrome X. An Integrated Approach to a Cluster of Modern Epidemic Diseases, December 8-10, 1995, Dresden, Germany.*
135. **Liese AD**, Mayer EJ, Brancati FL, Heiss G. Elevated fasting insulin predicts incident hypertension in the Atherosclerosis Risk in Communities Study. *American Heart Association 69th Scientific Sessions, November 10-13, 1996, New Orleans, Louisiana.* (Circulation 1996; 94(8) Suppl: 214.)
136. **Liese AD**, Mayer EJ, Duncan BB, Sharrett AR, Heiss G. A prospective study of clustering of metabolic CVD risk factors: the Atherosclerosis Risk in Communities (ARIC) Study. *American Heart Association 36th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, March 13-16, 1996, San Francisco, California.* (Circulation 1996; 93(3) Suppl: 635.)
137. **Liese AD**, Mayer EJ, Tyroler HA, Schmidt MI, Brancati FL, Heiss G. Familial components of the multiple metabolic syndrome: the ARIC Study. *American Heart Association 36th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, March 13- 16, 1996, San Francisco, California.* (Circulation 1996; 93(3) Suppl: 635.)
138. Bensen J, Rushing J, Province M, **Liese A**, Folsom A, Rich S. Accuracy of proband family history reporting: the Family Heart Study (FHS) Experience. *Society for Epidemiologic Research 29th Annual Meeting, June 12-15, 1996, Boston, Massachusetts.* (Am J Epidemiol 1996 Suppl; 143 (11): S7.)

RESEARCH GRANTS 2000-2016

FUNDED AND ACTIVE

Title: Nutrition and Metabolic Status in Diabetic Youth II: The SEARCH Nutrition Ancillary Study

Principal Investigator E. Mayer-Davis/N. The (Role: Subcontract PI– Liese, 10% all years)

Funding Agency NIH/NIKKD

Dates: 04/15/2014 – 03/31/2018

Title: Provider access, glycemic control and metabolic health in youth with diabetes: Does it matter where you live?

Principal Investigator: A. Liese (donated effort)

Funding Agency: University of South Carolina ASPIRE I

Dates: 05/16/2014-9/15/2015

Title: Evaluation of Food Hub’s Impact on Food Access, Diet and Weight in a Food Desert

Principal Investigator: P. Sharpe (Role: Co-Investigator, 10% all years)

Funding Agency: NIH/NCI

Total Amount: \$2,748,847

Dates: 08/01/2013 – 07/31/2017

Title: Positioning USC for National Prominence in Food Security and Food Access Research

Principal Investigator: A Liese (donated effort)

Funding Agency: University of South Carolina (ASPIRE II)

Total Amount: \$99,969

Dates: 05/16/2013 – 08/15/2015

FUNDED AND COMPLETED

Title: Air Pollution, Subclinical CVD and Inflammatory Markers in the SEARCH Cohort

Principal Investigator: R. Puett (Role: Subcontract-PI Liese, 20% all years)

Funding Agency: University of Maryland / NIH

Total Amount: \$997,056

Dates: 10/1/2011 – 09/30/2016 (no cost extension)

Title: How can communities and households protect children from very low food security?

Principal Investigator: S. Jones (Role: Co-Investigator, 5%,5%,10%)

Funding Agency: University of Kentucky / USDA

Total Amount: \$499,326 Total

Dates: 06/16/2011 – 12/15/2013

Title: Nutrition and Metabolic Status in Diabetic Youth: SEARCH Ancillary Study

Principal Investigator: Liese (10%-10%-15%- 20%)
Funding Agency: NIH, Subcontract to UNC Chapel Hill (PI – EJ Mayer-Davis)
Total amount: \$330,266
Dates: 4/1/2008 – 3/31/2014 (NCE)

Title: Evaluating Geographical Accessibility of Health Services and Facilities Among Women With and Without Gestational Diabetes

Principal Investigator: J. Liu (Role: Co-Investigator, donated effort)
Funding Agency: USC Provost Office
Total Amount: \$19,970
Dates: 05/16/2013 – 05/15/2014

Title: Which dietary index best is most strongly associated with inflammatory markers in youth with type 1 diabetes?

Principal Investigator: A Liese (donated effort)
Funding Agency: USC SOM COBRE
Total Amount: \$9,993
Dates: 02/01/2013 – 01/31/2014

Title: Identifying Food Deserts in the Rural South: A Comparison of Food Access Measures

Principal Investigator: Liese (5% all years)
Funding Agency: SRDC/Mississippi State/USDA
Total Amount: \$31,425
Dates: 07/01/2011 – 12/31/2012

Title: Accessibility and Availability of Emergency Food Assistance and Food Insecurity Among American Children

Principal Investigator: Zhang, Old Dominion University (Role: Co-Investigator, 5% all years)
Funding Agency: University of Kentucky; FNS/USDA NIH
Total Amount: \$119,469 (direct)
Dates: 06/01/2009 – 05/31/2011

Title: Administrative Supplement: Developing Measures of the Built Nutrition Environment (Perceptions & Diet Survey)

Principal Investigator: Liese (no percent effort)
Funding Agency: NIH
Total Amount: \$119,469 (direct)
Dates: 06/01/2009 – 05/31/2012

Title: Developing Measures of the Built Nutritional Environment

Principal Investigator: Liese/Lawson (25%-25%-12.5%)
Funding Agency: NIH/NCI
Total amount: \$513,648
Dates: 6/1/2008 – 5/31/2012

Title: Biomedical-Behavioral Interface: Prevention and Developmental Sciences Training T32

Principal Investigator: Prinz (Liese, Mentor, Donated effort)
Total Amount: \$1,497,430
Dates: 08/01/08 – 07/31/10

Title: **Spatial epidemiology of diabetes in the SEARCH for Diabetes in Youth Study**
Principal Investigator: Liese (30-30-30% effort)
Funding source: NIH 1R01 DK077131-01
Total amount: \$887,249
Dates: 1/15/2007 - 12/31/2010

Title: **SEARCH for Diabetes in Youth 2: South Carolina Center**
Principal Investigator: Merchant (Liese through 09/30/2009) (20-20-25-25-5% effort)
Funding source: NIH (NIDDK) / CDC; Subcontract to University of North Carolina at Chapel Hill (Mayer-Davis PI)
Total amount: \$2,187,692
Dates: 9/30/2005 - 9/29/2010

Title: **SEARCH Proposal for Study of Monogenic Forms of Diabetes**
Principal Investigator: Liese (2%)
Funding source: JDRF, Subcontract to Wake Forest University
Total amount: \$11,529
Dates: 3/01/2008-2/28/2010

Title: **Troup Recruit Improvement (TRIM)**
Principal Investigator: Pate (Liese 7.5%)
Funding source: US Army Medical Research Acquisition Activity – USAMRAA, Subcontract to South Carolina Research Authority (SCRA) subcontract
Total amount: \$205,862
Dates: 1/16/2008 – 08/31/2010

Title: **Dietary patterns, atherosclerosis and risk of diabetes in the Insulin Resistance Atherosclerosis Study**
Principal Investigator: Liese (15% effort)
Funding source: American Heart Association Grant-in-Aid
Total amount: \$131,622
Dates: 7/1/2006 – 6/30/2008

Title: **Developing a Nutritional Environment Score in a Rural Community**
Principal investigator: Liese (donated effort)
Funding source: USC Center for Research in Nutrition and Health Disparities
Total amount: \$5,266
Dates: 7/1/2006-6/30/2007

Title: **Adiposity-Related Growth Patterns in Youth – Analyses of the DONALD Study**
Principal Investigator: Liese (donated effort)
Funding Source: USC Research Consortium on Children and Families
Total Amount: \$13,682
Dates: 9/15/2005 – 9/14/2006

Title: ***Dietary glycemic index in relation to the metabolic syndrome: An ancillary study to the Insulin Resistance Atherosclerosis Study***

Principal Investigator: Liese (15%-20%-20% effort)

Funding source: American Diabetes Association Research Award – February 1, 2002

Total amount: \$ 296,444

Dates: 7/1/2002 - 12/31/2005

Purpose: This study will assess the role of the glycemic index of usual diet in the development of insulin resistance, weight change, diabetes and progression of atherosclerosis utilizing data of the NHLBI-funded Insulin Resistance Atherosclerosis Study.

Title: ***Environmental determinants of children's diets – a pilot study on neighborhood and school nutritional characteristics***

Principal Investigator: Liese (donated effort)

Funding source: USC Center for Research in Nutrition and Health Disparities

Total amount: \$ 19,251

Dates: 7/04- 12/31/05

Title: ***Diet and physical activity as determinants of obesity and cardiovascular risk factors in children***

Principal Investigator: Liese (donated effort)

Funding Source: USC Research & Productive Scholarship

Total amount: \$12,000

Dates: 6/1/01- 11/30/02

Title: ***Exploring diabetes and depression in youth***

Principal Investigator: Robert McKeown, University of South Carolina (Liese, Co-investigator 0% effort in no-cost extension period)

Funding source: NIH/NIDDK

Date submitted: February 19, 2002

Total amount: \$1,429,521

Dates: 10/1/2002 - 08/31/2007

Title: ***Defining diabetes in youth: South Carolina site***

Principal Investigator: Richard Hamman, University of Colorado

Principal Investigator of Subcontract to University of Colorado: Mayer-Davis (Liese, Co-investigator 10% effort)

Funding source: NIH/NIDDK, Subcontract to University of Colorado

Date submitted: March 1, 2002

Total amount: \$1,440,823

Dates: 12/1/2002 - 11/30/2006

Title: ***South Carolina Diabetes Child & Adolescent Registry PA-00097 (SEARCH study)***

Principal Investigator: Mayer-Davis (Co-PI Liese, 20% effort)

Funding source: CDC/NIDDK(NIH)

Total amount: \$3,139,553

Dates: 10/1/2000 - 9/30/2005

TEACHING**COURSES TAUGHT UNIVERSITY OF SOUTH CAROLINA**

EPID 701	Concepts and Methods in Epidemiology	2003, 2004, 2005
EPID 741	Epidemiologic Methods	2007, 2008
EPID 742	Epidemiologic Concepts in Selected Disease or Health Conditions	2004, 2006
EPID 744	Cardiovascular Disease Epidemiology	2003, 2005, 2011, 2014
EPID 745	Epidemiology Seminar	2010, 2012, 2013, 2016
EPID 758	Applications of Epidemiology in Public Health	2012, 2013
EPID 798	Public Health Practicum	2006, 2007
EPID 799	Thesis	2006 - Present
EPID 800	Epidemiologic Methods II	2015, 2016
EPID 845	Doctoral Seminar in Epidemiology	2002, 2009, 2011
EPID 890	Independent Study	2005 - 2008
EPID 899	Dissertation	2007 - Present