

Logan Cowan PhD, MPH – Curriculum Vitae

Assistant Professor

Department of Biostatistics, Epidemiology,
and Environmental Health Sciences

Jiann-Ping Hsu College of Public Health
Georgia Southern University

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Statesboro, GA 30460

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EDUCATION

University of Minnesota – Minneapolis, MN

PhD – Epidemiology 2017

Dissertation: “Infection and Cardiovascular Disease”

Committee: Kamakshi Lakshminarayan, James Pankow, Pamela Lutsey, David Vock

Brigham Young University – Provo, UT

Master of Public Health 2013

Thesis: “Cell Phone Use While Driving: How Utahns’ Risk Perceptions and Attitudes
Influence Behavior across Demographic Factors”

Committee: Brianna Magnusson, Carl Hanson, Steven Thygeson

Brigham Young University – Provo, UT

BA - International Relations, Business Management/French Minors 2007

PROFESSIONAL ACADEMIC EXPERIENCE

Associate Professor, Department of Biostatistics, Epidemiology, and Environmental Health Sciences, Jiann-Ping Hsu College of Public Health, Georgia Southern University (2022-Present)

Assistant Professor, Department of Biostatistics, Epidemiology, and Environmental Health Sciences, Jiann-Ping Hsu College of Public Health, Georgia Southern University (2017-2022)

PEER-REVIEWED PUBLICATIONS:

Huang LT, Longcoy J, Wang JHY, Yin J, **Cowan LT**, Sullivan KL. Effects of educational interventions to facilitate mammography screening among Asian American women: A meta-analysis of randomized controlled trials. *Oncology Nursing Forum*. In Press.

Lutsey PL, Zineldin I, Misialek JR, Full KM, Lakshminarayan K, Ishigami J, **Cowan LT**, Matsushita K, Demmer RT. Obstructive sleep apnea and subsequent risk of hospitalization with

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pneumonia, respiratory infection, and total infection: The atherosclerosis risk in communities study. *Chest*. 2022

Cowan LT, Tome J, Mallhi AK, Tarasenko YN, Palta P, Evenson KR, Lakshminarayan K. Changes in physical activity and risk of ischemic stroke: The aric study. *Int J Stroke*. 2022.

Steffen BT, Pankow JS, Lutsey PL, Demmer RT, Misialek JR, Guan W, **Cowan LT**, Coresh J, Norby FL, Tang W. Proteomic Profiling Identifies Novel Proteins for Genetic Risk of Severe COVID-19: the Atherosclerosis Risk in Communities Study. *Hum Mol Genet*. 2022.

Muniz-Rodriguez K, Chowell G, Schwind JS, Ford R, Ofori SK, Ogwara CA, Davies MR, Jacobs T, Cheung CH, **Cowan LT**, Hansen AR, Fung I. Time-varying Reproduction Numbers of COVID-19 in Georgia, USA, March 2, 2020 to November 20, 2020. *Perm J*. 2021;25.

Cowan LT, Buck B, Schwind JS, Lutsey PL, Pankow JS, Matsushita K, Ishigami J, Lakshminarayan K. Triggering of cardiovascular disease by infection type: The atherosclerosis risk in communities study (ARIC). *Int J Cardiol*. 2020 Oct 5:S0167-5273(20)33903-6. doi: 10.1016/j.ijcard.2020.09.073. Epub ahead of print. PMID: 33031889.

Ishigami J, **Cowan LT**, Demmer RT, et al. Hospitalization With Major Infection and Incidence of End-Stage Renal Disease: The Atherosclerosis Risk in Communities (ARIC) Study. *Mayo Clin Proc*. 2020;95(9):1928-1939.

Buck BH, **Cowan LT**, Smith L, Duncan E, Bazemore J, Schwind JS. Effective Practices and Recommendations for Drive-Through Clinic Points of Dispensing: A Systematic Review. *Disaster Med Public Health Prep*. 2020:1-15.

Cowan LT, Lakshminarayan K, Lutsey PL, Beck J, Offenbacher S, Pankow JS. Endodontic therapy and incident cardiovascular disease: The Atherosclerosis Risk in Communities (ARIC) study. *J Public Health Dent*. 2020;80(1):79-91.

Ishigami J, **Cowan LT**, Demmer RT, et al. Incident Hospitalization with Major Cardiovascular Diseases and Subsequent Risk of ESKD: Implications for Cardiorenal Syndrome. *J Am Soc Nephrol*. 2020;31(2):405-414.

Nkemjika S, Ifebi E, **Cowan LT**, et al. Association between serum folate and cardiovascular deaths among adults with hypertension. *Eur J Clin Nutr*. 2020;74(6):970-978.

Walker RF, Zakai NA, MacLehose RF, **Cowan LT**, Adam TJ, Alonso A, et al. Association of Testosterone Therapy With Risk of Venous Thromboembolism Among Men With and Without Hypogonadism. *JAMA Intern Med*. 2020;180(2):190-197.

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Cowan LT, Lutsey PL, Pankow JS, Matsushita K, Ishigami J, Lakshminarayan K. Inpatient and Outpatient Infection as a Trigger of Cardiovascular Disease: The ARIC Study. *J Am Heart Assoc.* 2018;7(22):e009683.

Cowan LT, Lakshminarayan K, Lutsey PL, et al. Periodontal disease and incident venous thromboembolism: The Atherosclerosis Risk in Communities study. *J Clin Periodontol.* 2019;46(1):12-19.

Cowan LT, Lutsey PL, Pankow JS, Cushman M, Folsom AR. Hospitalization with infection and incident venous thromboembolism: The ARIC study. *Thromb Res.* 2017;151:74-78.

Cowan LT, Alonso A, Pankow JS, et al. Hospitalized Infection as a Trigger for Acute Ischemic Stroke: The Atherosclerosis Risk in Communities Study. *Stroke; a journal of cerebral circulation.* 2016;47(6):1612-1617.

Oakes JM, Andrade KE, Biyoow IM, **Cowan LT**. Twenty Years of Neighborhood Effect Research: An Assessment. *Curr Epidemiol Rep.* 2015;2(1):80-87.

Cowan LT, Van Wagenen SA, Brown BA, et al. Apps of steel: are exercise apps providing consumers with realistic expectations?: a content analysis of exercise apps for presence of behavior change theory. *Health Educ Behav.* 2013;40(2):133-139.

WORKING PAPERS:

OTHER PUBLICATIONS

Kayode I, Tovar D, **Cowan LT**, Perceived Discrimination and Racism on the Treatment and Medication Adherence of Hypertension in African Americans. *Eagles Talking About the Public's Health.* Jiann-Ping Hsu college of Public Health. Georgia Southern University. 2021

Cowan LT, Brechlin BS, Fondario A, Hedin R, Waters M. Costs of Sexual Violence in Utah. *Utah Violence and Injury Prevention Program*, Utah Department of Health. 2015

PRESENTATIONS:

~~The Association of Adequate Sleep Duration with Mental Health and Academic Performance in Children with ASD, Awolusi T, Sullivan K, **Cowan LT**, Copak-Foss J, Colquit G. Poster presentation at the annual meeting and conference of the Georgia Public Health Association. May 2022, Jekyll Island, GA~~

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The Perplexing Relationship: Colorectal Cancer and Folate. Bhattacharya A, Zhang J, Tabi, M, Yin, J, **Cowan LT**. Poster presentation at the annual meeting and conference of the Georgia Public Health Association. May 2022, Jekyll Island, GA

The Impact Of Intelligence In Youth On Cardiovascular Diseases Among 54-61 Years Old Americans. Tome J, **Cowan LT**, Poster presentation at the annual meeting of the American Heart Association Epi/Lifestyle. March 2022, Chicago, IL

Proteomics Analysis Suggests Suppression Of IL-15 Among Individuals At Greater Genetic Risk Of Covid-19-related Respiratory Failure: The Atherosclerosis Risk In Communities Study (ARIC), Steffen B, Pankow J, Lutsey P, Demmer R, Norby F, **Cowan LT**, Coresh J, Tang W. Moderated poster presentation at the annual meeting of the American Heart Association Epi/Lifestyle. May, 2021, Virtual.

Assessing biosecurity and biosafety practices on commercial farms across Nepal
Tome J, Richmond H, Kharmacharya D, Poudel A, Napit R, Pradhan S, Joshi J, Sharma A, Chaulagain R, Adhikari P, Adhikari S, Bhujel A, Oli D, **Cowan LT**, Schwind J, Poster presentation at the American Public Health Association (APHA) Annual Conference. October 2020, Virtual.

Cowan LT, Tarasenko Y, Evenson K, Palta P, Lakshminarayan K, Changes in Leisure-Time Physical Activity and Risk of Ischemic and Hemorrhagic Stroke: The Atherosclerosis Risk in Communities Study. Poster presentation at the annual meeting of the American Heart Association Epi/Lifestyle. March, 2020, Phoenix, AZ

Walker RF, Zakai NA, MacLehose RF, **Cowan LT**, Alonso A, Lutsey PL, Testosterone Therapy and Risk of Venous Thromboembolism Among Men Without Hypogonadism. Oral presentation at the annual meeting of the Society for Epidemiologic Research (SER). June, 2019, Minneapolis, MN

~~Tome J, Joshi P, **Cowan LT**, Aslan A. The Relationship Between High Consumption of Brominated Vegetable Oil-contained beverage, Cardiovascular Disease and Stroke Mortality. The Georgia Southern University Student Research Symposium. April 2019, Statesboro, GA~~

Cowan LT, Tarasenko Y, Evenson K, Palta P, Lakshminarayan K, Trajectories of Engagement in Leisure Time Physical Activity and Risk of Incident Ischemic Stroke: the Atherosclerosis Risk in Communities Study. Poster presentation at the annual meeting of the American Heart Association Epi/Lifestyle. March, 2019, Houston, TX

Ishigami J, **Cowan LT**, Demmer R, Lutsey P, Grams M, Coresh J, Matsushita K, Incidence of Major Cardiovascular Disease and Subsequent Risk of End-stage Renal Disease: the Atherosclerosis Risk in Communities (ARIC) Study. Poster presentation at the annual meeting of the American Heart Association Epi/Lifestyle. March, 2019, Houston, TX

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Walker RF, Zakai NA, MacLehose RF, **Cowan LT**, Alonso A, Lutsey PL, Testosterone Therapy and Risk of Venous Thromboembolism Among Men Without Hypogonadism. Poster presentation at the annual meeting of the American Heart Association Epi/Lifestyle. March, 2019, Houston, TX

Cowan LT, Lutsey PL, Pankow JS, Matsushita K, Ishigami J, Lakshminarayan K. Triggering of Coronary Heart Disease by Infection Type: The Atherosclerosis Risk in Communities Study. Poster presentation at the annual meeting of the American Heart Association Epi/Lifestyle. March, 2018, New Orleans, LA

Tate, A.D., **Cowan, LT.**, Ogilvie, R., Appiah, D., & Capistrant, B.D. Social Determinants of Diabetes and Disease Management in Low and Middle-Income Countries: Evidence from the Study on Global Ageing and Adult Health. Oral presentation at the annual meeting of the Population Association of America. April, 2017, Chicago, IL

Cowan LT, Pankow JS, Lutsey PL, Lakshminarayan K, Folsom AR. Periodontal Disease and Incident Venous Thromboembolism: The Atherosclerosis Risk in the Community (ARIC) study. Poster presentation at the annual meeting of the American Heart Association Epi/Lifestyle – March 2017, Portland, OR

Cowan LT, Alonso A, Pankow JS, Folsom AR, Rosamond WD, Gottesman RF, Lakshminarayan, K. Hospitalized infection as a trigger for acute ischemic stroke: The atherosclerosis risk in communities study. Oral presentation at the NHLBI trainee session and moderated poster at the annual meeting of the American Heart Association EPI/NPAM. March 2016, Phoenix, AZ.

Cowan LT, Magnusson B, Hanson C, Thygerson S. Cell Phone Use While Driving, How Utahns' Risk Perceptions and Attitudes Influence Behavior across Demographic Factors. Oral presentation at the American Public Health Association (APHA) Annual Conference. November 2013, Boston, MA.

Cowan LT, Hedin R, Linton E. Reducing C. diff in inpatient settings; a comprehensive policy analysis. Poster presentation at the American Public Health Association (APHA) Annual Conference. October, 2012, San Francisco, CA.

Cowan LT, Van Wagenen SA, Brown BA, Hedin RJ, Seino-Stephan Y, Hall PC, West J. Apps of Steel: iPhone & iPad Apps and the Implementation of Behavior Change Theory. Oral presentation at the Health Educator Association of Utah (HEAU) Spring Conference. March, 2012, Orem, UT.

Cowan LT, Van Wagenen SA, Brown BA, Hedin RJ, Seino-Stephan Y, Hall PC, West J. Apps of Steel: Are Exercise Apps Providing Consumers With Realistic Expectations: A Content Analysis of Exercise Apps for Presence of Behavior Change Theory. Poster presentation at the Digital Health Communication Extravaganza, February 2012, Orlando, FL

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PART-TIME RESEARCH EXPERIENCE

University of Minnesota – Minneapolis, MN	
<i>Pre-Doctoral Fellow - Cardiovascular Disease Epidemiology & Prevention</i>	2013-2017
Brigham Young University – Provo, UT	
<i>Research Assistant</i>	2011-2013
Utah Department of Health – Salt Lake City, UT	
<i>Intern</i>	2012-2013

PROFESSIONAL EXPERIENCE

<i>Assistant Facility Manager - Rinchem Company Dallas, TX/Hillsboro, OR</i>	2009-2011
<ul style="list-style-type: none">• Trained 20+ employees according to the Toyota Talent methodology• Implemented and enforced site-wide safety initiatives adopted company-wide• Completed monthly and annual budgets	
<i>Quality Assurance – Epic Systems Corporation Madison, Wisconsin</i>	2007-2009
<ul style="list-style-type: none">• Assisted customers in using electronic medical records to increase patient participation in prevention programs• Developed system tools to improve mammogram participation• Assisted customers in capturing clinical data within electronic medical records• Trained clinicians during EMR implementation at University of Chicago Medical Center, Illinois and Kaiser Permanente Sunnyside Medical Center, Oregon	

SERVICE AND AWARDS:

Georgia Southern University Institution Review Board	2021-Present
Georgia Southern University Faculty Development Committee – Chair	2019-2020
Como Student Community Cooperative Board of Directors – Vice President	2015-2017
Como Student Community Cooperative Board of Directors	2014-2017

Dissertation Committee Chair:

Brian Buck – DrPH – Epidemiology Awarded Spring 2020
Dissertation: Public Health Emergency Preparedness: Drive-Through Clinics and Drivers of Emergency Preparedness Capabilities

Adeyemi Adedokun – DrPH - Epidemiology Awarded Fall 2020

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Dissertation: Sleep Duration in Children with ADHD: Role of Family Social Routines among Children and Adolescents 3–17-year-olds in the United States.

Dissertation Committee Member:

Neil Mistry – DrPH – Epidemiology Awarded Fall 2022

Dissertation: Association of vitamins, caffeine, and depression using a nationally representative survey.

Blessing Odion – DrPH – Epidemiology Awarded Fall 2021

Dissertation: Search for the missing link between bench and bedside – Epidemiological relationship between folate and lung cancer death

Anunay Bhattacharya – DrPH – Epidemiology Awarded Fall 2021

Dissertation: Dietary intake, blood folate level and colorectal cancer deaths among US adults, findings from follow-up of a national cohort, 1988 to 2010.

Felix Twum – DrPH – Epidemiology Awarded Spring 2021

Dissertation: Folate and Risk of Cardiometabolic Disease Mortality

Tolulope T. Awolusi – DrPH – Epidemiology Awarded Fall 2020

Dissertation: Sleep Characteristics and Patterns in Children with Autism

Li-Ting Huang – DrPH – Epidemiology Awarded Summer 2020

Dissertation: Breast Cancer Disparities Throughout the Cancer Trajectory in Asian American Women

Felicia Yeboah – DrPH – Epidemiology Awarded Summer 2019

Dissertation: Maternal Smoking During Pregnancy and Offspring Obesity: An Association Effect-Modified by Gestational Age

PROFESSIONAL AFFILIATIONS:

American Heart Association (AHA)

Society for Epidemiologic Research (SER)

American Public Health Association (APHA)