

D. Leann Long

CONTACT INFORMATION	Department of Biostatistics School of Public Health University of Alabama at Birmingham 327F Ryals Public Health Building 1720 2nd Avenue South Birmingham, AL 35294-0022	<i>Voice:</i> (205) 975-5956 <i>Fax:</i> (205) 975-2540 leannl@uab.edu
RESEARCH INTERESTS	Zero-inflated count models, statistical methods in epidemiology	
EDUCATION	University of North Carolina-Chapel Hill , Chapel Hill, North Carolina, USA Ph.D., Biostatistics, May 2013 Dissertation Title: “Marginalized Zero-inflated Poisson Regression” Advisors: Amy H. Herring & John S. Preisser Tennessee Technological University , Cookeville, Tennessee, USA M.S., Mathematics, May 2006 Thesis Title: “Estimating Confidence Intervals for the Fay-Herriot Model” Advisor: David D. Smith Tennessee Wesleyan College , Athens, Tennessee, USA B.S., Mathematics, <i>summa cum laude</i> , With Honors, May 2004 Minor in Business Administration	
APPOINTMENTS HELD	Department of Biostatistics School of Public Health University of Alabama at Birmingham <i>Assistant Professor</i>	July 2016 to present
	Department of Biostatistics School of Public Health West Virginia University <i>Assistant Professor</i>	July 2013 to July 2016
	<i>Health Data Analyst</i>	October 2012 to July 2013
	Department of Biostatistics Gillings School of Global Public Health University of North Carolina, Chapel Hill <i>Graduate Research Assistant</i>	August 2010 to August 2012 Biostatistician for National Institute of Child Health and Human Development (NICHD) “Time to Conceive” study

Graduate Research Assistant **August 2009 to August 2010**
 Biostatistician for UNC School of Dentistry, Department of Orthodontics; performed statistical analysis for various dental faculty, staff and student projects.

Graduate Research Assistant **January 2007 to August 2009**
 Biostatistician on National Institutes of Mental Health clinical trial (“SafeTalk”) at University of North Carolina-Chapel Hill Hospital Infectious Disease Clinic

HONORS & AWARDS Faculty Membership, Delta Omega Honorary Society in Public Health, Gamma Mu Chapter, 2016

Best Contributed Poster Award, American Statistical Association Section on Statistical Consulting, 2015 Joint Statistical Meetings

Young Investigator Award from the American Statistical Association Section on Statistics in Epidemiology, 2013

University of North Carolina at Chapel Hill Department of Biostatistics
 Delta Omega Recognition of Service Award, 2009
 Training Grant Recipient, National Institutes of Health, 2006-2009, 2010-2012

Tennessee Technological University Department of Mathematics
 Graduate Teaching Assistantship, 2004-2006
 Stanley Dolzycki Memorial Scholarship, 2006

Tennessee Wesleyan College
 Athens Area Chamber of Commerce Award (Graduate with Highest GPA), 2004
 Sliger’s Jewelers Award (Graduate with Highest GPA), 2004
 Naff Award in Religion and Philosophy, 2004
 Alpha Chi National Honor Society, 2003
 Full Academic Scholarship (Harriet Reeves Neff Scholar), 2000-2004

PROFESSIONAL MEMBERSHIPS American Statistical Association 2008 to present
 International Biometric Society (Eastern North American Region) 2010 to present
 Caucus for Women in Statistics 2014 to present
 American Heart Association 2016 to present

PEER-REVIEWED PUBLICATIONS * denotes student first-author

29. Mirman, JH, Curry, AE, Elliott, MR, **Long, DL**, Pfeiffer, M. “Can Adolescent Drivers Motor Vehicle Crash Risk Be Reduced by Pre-Licensure Intervention?,” *Journal of Adolescent Health*, in press (DOI:10.1016/j.jadohealth.2017.09.015).

28. Stabler, ME*, Giacobbi, PR, Chertok, IRA, **Long, DL**, Cottrell, L, Yossuck, P. “A comparison of biologic screening and diagnostic indicators to detect in utero opiate and cocaine exposure among mother-infant dyads,” *Therapeutic Drug Monitoring*, 39(6): 640-647 (2017) (DOI:10.1097/FTD.0000000000000447).

27. Howard, G, Kleindorfer, D, Cushman, M, **Long, L**, Jasne, A, Judd, S, Higginbotham, J, Howard, V. "Contributors to the Excess Stroke Mortality in Rural Areas in the United States," *Stroke*, 48(7): 1773-1778 (2017) PMC5502731.
26. Howard, G, McClure, L, Moy, C, Howard, V, Judd, S, Yuan, Y, **Long, L**, Munter, P, Safford, M, Kleindorfer, D. "Self-Reported Stroke Risk Stratification: the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study," *Stroke*, 48(7): 1737-1743 (2017) PMC5493147.
25. Preisser, JS, **Long, DL**, Stamm, JW. "Matching the Statistical Model to the Research Question for Dental Caries Indices with Many Zero Counts," *Caries Research*, 51(3): 198-208 (2017) PMC5464970.
24. Farewell, V, **Long, L**, Tom, B, Yiu, S, Su, L. "Two-part and Related Regression Models for Longitudinal Data," *Annual Review of Statistics and its Application*, 4: 283-315 (2017) PMC5590716.
23. Stabler, ME*, **Long, DL**, Chertok, IRA, Pilkerton, C, Lander, LR, Giacobbi, PR. "Neonatal Abstinence Syndrome in West Virginia Sub-State Regions, 2007-2013," *The Journal of Rural Health*, 33(1): 92-101 (2017) PMC4987270.
22. Tanny, L, Komabayashi, T, **Long, DL**, Yahata, Y, Moffat, S, Tane, T, "The Effect of Education on Oral Health Students' Attitudes in Australia and New Zealand," *European Journal of Dentistry*, 10: 491-495 (2016) PMC5166305.
21. Sorg, MH, **Long, DL**, Abate, M, Kaplan, JA, Kraner, JC, Mock, AR, Greenwald, M, Andrew, TA, Shapiro, S, Wren, JA. "Additive Effects of Co-Intoxicants in Single Opioid-Induced Deaths," *Academic Forensic Pathology*, 6(3): 532-542 (2016).
20. Rudisill, TM*, Zhu, M, Abate MA, Davidov, D, Delagarza, V, **Long, DL**, Sambamoorthi, U, Thornton, JD. "The Characterization of Drug and Alcohol Use Among Senior Drivers Fatally Injured in U.S. Motor Vehicle Collisions, 2008-2012," *Traffic Injury Prevention*, 17(8): 788-795 (2016) PMC5039044.
19. Zhu, M, Zhao, S, **Long, DL**. "The Association of Graduated Driver Licensing with Nondriver Transport-related Injuries Among Adolescents," *Epidemiology*, 27(5): 620-623 (2016) PMC4969054.
18. Aliaga, S, Laughon, SK, **Long, DL**, Herring, AH, Laughon, M, Boggess, K, Reddy, UM, Zhang, J. "Center Variation in the Delivery of Non-spontaneous Late Preterm Births," *American Journal of Perinatology*, 33(10): 1008-1016 (2016) PMC4972671.
17. Zhu, M, Zhao, S, **Long, DL**, Curry, AE. "Association of Graduated Driver Licensing with Driver, Non-driver and Total Fatalities Among Adolescents," *American Journal of Preventive Medicine*, 51(1): 63-70 (2016) PMC4914472.
16. Rudisill, TM*, Zhu, M, Davidov, D, **Long, DL**, Sambamoorthi, U, Abate, MA, Delagarza, V. "Medication Use and the Risk of Motor Vehicle Collision in West Virginia Drivers 65 Years of Age and Older: A Case-crossover Study," *BMC Research Notes*, 9(1): 166-176 (2016) PMC4791935.
15. Preisser JS, Das K, **Long DL**, Divaris, K. "Marginalized Zero-inflated Negative Binomial Regression with Application to Dental Caries," *Statistics in Medicine*, 35(10): 1722-1735 (2016) PMC4826785.

14. **Long, DL**, Preisser, JP, Herring, AH, Golin, CE. "A Marginalized Zero-Inflated Poisson Regression Model with Random Effects," *Journal of the Royal Statistical Society: Series C (Applied Statistics)* 64(5): 815-830 (2015) PMC4664481.
13. Varghese, EM, Abate, MA, Hu, L, Kaplan, JA, Kraner, JC, **Long, DL**, Sorg, M, Mock, A, Greenwald, M, Andrew, T. "Characterization of Diphenhydramine-Related Accidental Overdose Deaths," *Academic Forensic Pathology* 5(1): 105-115 (2015).
12. Fields, RC, Abate, MA, Hu, L, **Long, DL**, Blommel, ML, Haikal, NA, Kraner, JC. "Unintentional Opioid Overdose: An Analysis of Parent and Metabolite Opioid Drug Concentrations in Deaths Involving Opioid and Benzodiazepine Combinations," *Journal of Forensic Sciences* 60(4): 950-956 (2015) PMC4944848.
11. Wiener, RC, **Long, DL**, Jurevic, RJ. "Blood Levels of the Heavy Metal, Lead, and Caries in Children Ages 24-72 Months: NHANES III," *Caries Research* 49: 26-33 (2015) PMC4323869.
10. Wiener, RC, Shockey, AT, **Long, DL**. "Dental Hygiene Students Perceptions of Older Adults," *Journal of Dental Education* 78(12): 1623-8 (2014) PMC4422979.
9. Komabayashi, T, **Long, L**, Ahn, C, Spears, R, Zhu, Q, Eberhart, RC. "Influence of Powder Composition and Morphology on Penetration of Gray and White Pro-Root Mineral Trioxide Aggregate and Calcium Hydroxide into Dentin Tubules," *Journal of Oral Science*, 56(4):287-293 (2014) PMC4320410.
8. **Long, DL**, Preisser, JP, Herring, AH, Golin, CE. "Marginalized Zero-Inflated Poisson Regression Model with Overall Exposure Effects," *Statistics in Medicine*, 33(29): 5151-5165 (2014) PMC4227945.
7. Evans-Hoeker, E, Pritchard, DA, **Long, DL**, Herring, AH, Stanford, J, Steiner, AZ. "Cervical Mucus Monitoring Prevalence and Associated Fecundability in Women Trying to Conceive," *Fertility & Sterility* 100(4): 1033-1038 (2013) PMC3787999.
6. Steiner, AZ, **Long, DL**, Herring, AH, Kesner, JS, Meadows, JW, Baird, DD. "Urinary Follicle-Stimulating Hormone as a Measure of Natural Fertility in a Community Cohort," *Reproductive Sciences*, 20(5): 549-56 (2013) PMC3635071.
5. **Long, DL**, Preisser, JP, Stamm, JW. "Statistical Analysis of Dental Caries: Different Methods for Different Outcomes," *Caries Research*, 46(4): 424-426 (2012).
4. Preisser, JP, Stamm, JW, **Long, DL**, Kincade, ME. "Review and Recommendations for Zero-inflated Count Regression Modeling of Dental Caries Indices in Epidemiological Studies," *Caries Research*, 46(4): 413-423 (2012) PMC3424072.
3. Steiner, AZ, **Long, DL**, Tanner, C, Herring, AH. "Effect of Vaginal Lubricants on Natural Fertility," *Obstetrics & Gynecology*, 120(1): 44-51 (2012) PMC3427535.
2. Gelesko, S, **Long, L**, Faulk, J, Phillips, C, Dicus, C, White RP. "Cryotherapy and Topical Minocycline as Adjunctive Measures to Control Pain After Third Molar Surgery: An Exploratory Study," *J Oral Maxillofac Surg*, 69(11): e324-32 (2011) PMC3589520.
1. Woodham, PC, Brittain, JE, Baker, AM, **Long, DL**, Haeri, S, Camargo Jr, CA, Boggess, KA, Stuebe, AM. "Midgestation Maternal Serum 25-Hydroxyvitamin D Level and Soluble Fms-Like Tyrosine Kinase 1/Placental Growth Factor Ratio as Predictors of Severe Preeclampsia," *Hypertension*, 58(6): 1120-5 (2011) PMC3600867.

TECHNICAL
REPORT

Preisser JS, Das K, **Long DL**, Stamm JW. “A Marginalized Zero-Inflated Negative Binomial Regression Model with Overall Exposure Effects,” The University of North Carolina at Chapel Hill Department of Biostatistics Technical Report Series. [Not peer-reviewed] Working Paper 43. <http://biostats.bepress.com/uncbiostat/papers/art43> (2014).

MANUSCRIPTS
CURRENTLY
UNDER REVIEW

Akinyemiju, TF, Moore, JX, Judd, S, Pisu, M, Goodman, M, Howard, VJ, **Long, L**, Safford, M, Gilchrist, SC, Cushman, M. “Pre-Diagnostic Biomarkers of Metabolic Dysregulation and Cancer Mortality,” submitted to *Cancer Epidemiology, Biomarkers & Prevention*

Cahill, C, Howard, G, McClure, L, Zakai, N, Jenny, N, Kissela, B, Safford, M, **Long, L**, Howard, V, Cushman, M. “C-reactive Protein and Stroke Risk in Blacks and Whites: the REasons for Geographic and Racial Differences in Stroke,” submitted to *International Journal of Stroke*.

INVITED TALKS

Long, DL, Preisser, JP, Herring, AH, Zhu, M. “The Changing Landscape of Zero-inflated Models with Random Effects for Count Data,” in Invited Session “Two-part Models for the Analysis of Correlated Count and Semi-continuous Data with Excess Zeros,” XXVIIIth International Biometric Conference, July 2016

PRESENTATIONS

* denotes student first-author

36. Petrov ME, **Long L**, Grandner MA, MacDonald L, Cribbet MR, Robbins R, Cundiff J, Molano JR, Hoffmann N, Howard G, Howard VJ. “Sleep Duration by Sociodemographic, Socioeconomic, and Geographical Status: The REGARDS Study,” Associated Professional Sleep Societies Conference, June 2017.
35. Jordan, KH*, McGwin, G, **Long, DL**, Childers, NK. “The dmfs Increment vs. Average Area Under the dmfs Curve,” 95th General Session & Exhibition of the International Association for Dental Research, March 2017.
34. **Long, DL**, Howard, G, Judd, S, Manly, J, McClure, L, Safford, M, Glymour, MM, Katz, R. “Racial Disparities in Cardiovascular Outcomes in REGARDS Persist After Using Inverse Probability Weighting to Account for Missing Data,” American Heart Association EPI/Lifestyle Conference, March 2017.
33. Howard, G, Kleindorfer, DO, Cushman, M, **Long, DL**, Jasne, A, Judd, SE, Higginbotham, JC, Howard, VJ. “Contributors to the Rural Excess Stroke Mortality: the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study,” International Stroke Conference, February 2017.
32. Howard, G, McClure, LA, Moy, CS, Howard, VJ, Judd, SE, Yuan, Y, **Long, DL**, Muntner, P, Safford, MM, Kleindorfer, DO. “Self-Reported Stroke Risk Stratification: the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study,” International Stroke Conference, February 2017.
31. Stabler, M*, Chertok, I, Cottrell, L, Giacobbi, P, Gurka, K, **Long, DL**, Yossuck, P. “In utero substance exposure and incidence of neonatal abstinence syndrome: retrospective medical chart review,” Council of State and Territorial Epidemiologists 2016 Annual Conference, June 2016
30. Stabler, M*, Chertok, I, Cottrell, L, Giacobbi, P, **Long, DL**, Yossuck, GA. “Assessment of in utero opiate and cocaine exposure detection: A comparison of meconium analysis to alternative mother-infant biological and diagnostic indicators,” Safe States Alliance 2016 Annual Meeting, April 2016

29. Zhu, M, Zhao, S, **Long, DL**. “The Association of Graduated Driver Licensing with Injuries as Passengers, Bicyclists, Pedestrians, or Bus Riders among Adolescents,” Transportation Research Board 2016 Annual Meeting, January 2016
28. **Long, DL**, Bruckner, MJ, Carroll, RA, Kelley, GA, “Effect Size Measures and Meta-Analysis for Alternating Treatment Single Case Design Data,” 2015 Joint Statistical Meetings, August 2015
27. Parsa, P*, Komabayashi, T, **Long, DL**, Malakpour, M, Bagby, M, Borgia, A, “Evaluation and Analysis of the Apically Extruded Gutta Percha Using Thermoplasticized Technique as Sole Obturation Method (Squirting): A Pilot Study,” 2015 American Association of Endodontists Meeting, May 2015
26. Xu, A*, Sun, J, Takagi, S, Yahata, Y, **Long, DL**, Komabayashi, T, Borgia, AT, “Residual Dental Thickness of the Danger Zone in Mandibular Molar with Variable Sizes of Nickel-Titanium Rotary Instruments,” 2015 American Association of Endodontists Meeting, May 2015
25. **Long, DL**, Bruckner, MJ, Carroll, RA, Kelley, GA, “Effect Size Measures and Meta-Analysis for Alternating Treatment Single Case Design Data,” 2015 International Biometric Society: Eastern North American Region (ENAR) Spring Meeting, March 2015
24. Tanny, L, Komabayashi, T, **Long, DL**, Yahata, Y, Moffat, S, Tane, T, “The Effect of Education on Oral Health Students Attitudes,” 2015 International Association for Dental Research General Session Meeting & Exhibition, March 2015
23. Rudisill, T*, Zhu, M, Abate, M, Davidov, D, Delagarza, V, **Long, DL**, Sambamoorthi, U, Thornton, D, “Licit and illicit drug use among elderly drivers killed in U.S. motor vehicle collisions, 2008-2012,” 2014 American Public Health Association Annual Meeting, November 2014
22. Abate, MA, Sorg, MH, **Long, DL**, Kaplan, JA, Kraner, JC, Mock, AR, Greenwald, M, Andrew, TA, Shapiro, S, Varghese E, “Characterization of Diphenhydramine-related overdose deaths,” National Association of Medical Examiners Annual Meeting, September 2014
21. Sorg, MH, Abate, MA, **Long, DL**, Kaplan, JA, Kraner, JC, Mock, AR, Greenwald, M, Andrew, TA, Shapiro, S, Wren, JA, “Postmortem Opioid Levels, Co-Intoxicant Presence, and Decedent Characteristics in Accidental, Single-Opioid Deaths in West Virginia and Northern New England,” National Association of Medical Examiners Annual Meeting, September 2014
20. **Long, DL**, Preisser, JP, Herring, AH, Golin, CE. “A Marginalized Zero-Inflated Poisson Regression Model with Random Effects,” Joint Statistical Meetings, August 2014
19. Preisser, JP, Das, K, **Long, DL**, Stamm, JW. “A Marginalized Zero-Inflated Negative Binomial Regression Model with Overall Exposure Effects,” Joint Statistical Meetings, August 2014
18. Komabayashi, T, **Long DL**, Ahn, C, Spears, R, Zhu, Q, Eberhart, RC, “Powder Morphology Influence on Penetration of Gray and White ProRoot Mineral Trioxide Aggregate and Calcium Hydroxide into Dentin Tubules,” American Association of Endodontists, April 2014
17. **Long, DL**, Wiener, RC, “Transformations to the zero-inflated negative binomial model for overall exposure effects: An analysis of blood lead and dental caries in a

- complex survey,” 2014 International Biometric Society: Eastern North American Region (ENAR) Spring Meeting, March 2014
16. Abate, MA, Fields, MD, **Long, DL**, Hu, L, Kraner, JC, Blommel, ML, “Benzodiazepine Effects on Opioid Parent and Parent to Metabolite Concentrations,” American Academy of Forensic Sciences, February 2014
 15. Sorg, MH, Abate, MA, **Long, DL**, Hu, L, Kraner, JC, Kaplan, JA, Wren, JA, “Accidental Opioid-Induced Deaths: Modeling Co-Intoxicant Benzodiazepine and Alcohol Levels and Selected Decedent Characteristics,” American Academy of Forensic Sciences, February 2014
 14. Thomas, K, Sager, R, Trickett, H, **Long, L**, “Utilization of intravenous immune globulin (IVIG) at a large teaching hospital after guideline change,” American Society of Health System Pharmacists Midyear Clinical Meeting, December 2013
 13. **Long, DL**, Preisser, JP, Herring, AH, Golin, CE. “A Marginalized Zero-inflated Poisson Regression Model with Overall Exposure Effects,” Joint Statistical Meetings, August 2013
 12. **Long, DL**, Preisser, JP, Herring, AH “A Marginalized Zero-inflated Poisson Regression Model with Overall Exposure Effects,” 2013 International Biometric Society: Eastern North American Region (ENAR) Spring Meeting, March 2013
 11. Aliaga, S, Laughon, SK, **Long, DL**, Herring, AH, Laughon M, Boggess K, Reddy, UM, Zhang, J, “Center variation in late preterm births,” Southeastern Conference on Perinatal Research, January 2012
 10. Steiner, AZ, **Long, DL**, Tanner, C, Herring, AH, “Impact of Vaginal Lubricants on Fecundability,” 45th Annual Society for Epidemiologic Research (SER) Meeting, June 2012
 9. Steiner, AZ, **Long, DL**, Herring, AH, “Repetitive ovarian reserve testing as a measure of natural fecundability,” 67th Annual Meeting of the American Society for Reproductive Medicine (ASRM), October 2011
 8. **Long, DL**, Preisser, J, Phillips, C, Long, DM, “A Quasi-Likelihood Analysis of Patient Satisfaction following Orthognathic Surgery,” Joint Statistical Meetings, August 2010
 7. Golin CE, Grodensky CA, Suchindran C, Wong AJ, **Long DL**, Groves JS, Przybyla SM, Earp JE, Chariyeva Z, “Differences in Predictors of Risks Behavior among HIV-infected Homosexual Men, Heterosexual Men, and Women,” National HIV Prevention Conference, August 2009
 6. Golin, CE, Grodensky, CA, Suchindran C, Wong AJ, **Long DL**, Groves, JS, Przybyla, SM, Earp, JE, Chariyeva, Z, “Predictors of Sexual Risk Behavior: Differences among HIV-Infected Homosexual Men, Heterosexual Men and Women,” Society of General Internal Medicine Annual Meeting, May 2009
 5. Chariyeva, Z, Golin, CE, Grodensky, CA, Suchindran, CM, **Long, DL**, Wong, AJ, Groves, JS, “Effects of motivational interviewing on sexual risk behavior and safer sex self-efficacy among HIV-infected patients in the southeastern US,” Society of General Internal Medicine Annual Meeting, May 2009
 4. Grodensky, CA, Golin, CE, Suchindran, CM, **Long, DL**, Groves, JS, “Longitudinal Relationship between ARV Adherence, Safer Sex, and Other Health-promoting Behaviors among PLWH in North Carolina,” International Conference of HIV Treatment Adherence, April 2009

3. Chariyeva, Z, Golin, CE, Grodensky, CA, Earp, JA, **Long, DL**, Groves, JS, Suchindran, CM, Patel, SN, Ramsey, K, "HIV Prevention among People Living with HIV: The Effect of Motivational Interviewing on Safer Sex Self-efficacy," 136th APHA Annual Meeting & Exposition, October 2008
2. Grodensky, CA, Golin, CE, Suchindran, CM, Groves, JS, **Long, DL**, and Przybyla, SM, "Relationship between non-adherence to antiretroviral medication and unprotected sex: Intersecting risks among HIV-infected patients in the south," Society of General Internal Medicine Annual Meeting, April 2008
1. Grodensky, CA, Golin, CE, Suchindran, CM, Groves, JS, Przybyla, SM, and **Long, DL**, "Relationship between adherence to antiretroviral medication and unprotected sex among HIV-infected patients in the southeastern US," International Conference on HIV Treatment Adherence, April 2008

TEACHING

**Department of Biostatistics
School of Public Health
University of Alabama at Birmingham**

BST 655, Categorical Data Analysis
Fall 2017, 13 students

Guest Lectures
Fall 2016, BST 655 'Poisson Regression'

**Department of Biostatistics
School of Public Health
West Virginia University**

BIOS 610, Intermediate Biostatistics
Fall 2015, 6 students

BIOS 611, Data Management and Reporting
Fall 2014, 22 students

BIOS 621, Categorical Data Analysis for the Health Sciences
Spring 2014, 8 students
Spring 2015, 16 students
Spring 2016, 4 students

CURRENT
RESEARCH
GRANTS

Co-investigator, "Etiology of Geographic and Racial Differences in Stroke (REGARDS)," NIH/NINDS, 07/27/2016-11/30/2017, PI: George Howard

Co-investigator, "Preventing Youth Soccer Injury: A Randomized Cross-Over Trial," NIH/NICHHD, 09/01/2017-07/31/2019, PI: David Schwebel

Co-investigator, "Racial and Socioeconomic Differences in Chronic Low Back Pain," NIH/NIMHHD, 04/26/2017 01/31/2022, PI: Burel Goodin

Co-investigator, "Prioritizing County-Level Social Determinants that Contribute to the Greater Burden of Diabetes and Hypertension in the US," CDC/DHHS, 09/30/2017-09/29/2022, PI: April Carson

COMPLETED
RESEARCH
GRANTS

Principal investigator, "Meta-Analysis Implementation and Other Advanced Statistical Methods for Alternating Treatment Single Case Design Data," NIH WVCTSI Pilot Grant, 08/01/2014-07/31/2015

Principal investigator, "Statistical Consultation for Surveillance Research," Contract with CDC/NIOSH, 09/15/2014-09/14/2015

Co-investigator, "Evaluating the Long-Term Effectiveness of the TeenDrivingPlan," NIH/NICHHD, 04/01/2015-03/31/2017, PI: Jessica Mirman

Co-investigator and biostatistician, "Emergency Room Utilization by Children & Adults for Dental Needs in WV," Claude Worthington Benedum Foundation, 01/01/2014-12/31/2015, PI: David Felton

Co-investigator and biostatistician, "Do Cell Phone Laws Reduce Calling, Texting, and Crashes among Young Drivers?" NIH (NICHHD), 01/01/2013-12/31/2015 (supported from 07/08/2013), PI: Motao Zhu

Co-investigator, "West Virginia IDEA-CTR," NIH IDEa-CTR, 07/01/2012-06/30/2017 (supported from 07/08/2013), PI: Sally Hodder

Co-investigator, "West Virginia University Injury Control Research Center (WVU ICRC)" US DHHS/CDC, 01/01/2013-07/31/2017 (supported from 07/08/2013), PI: Jeffrey Coben

- Co-investigator and statistician, WVU ICRC Project: "Disparities in Cell Phone Law Effectiveness across Population Subgroups and Geographic Regions," 08/01/2015-07/31/2017, Project Director: Motao Zhu
- Co-investigator and statistician, WVU ICRC Project: "Concurrent Drug, Alcohol, and Decedent Characteristics in Deaths due to Opioids," 07/08/2013-07/31/2014, Project Director: Marie Abate
- Co-investigator and statistician, WVU ICRC Project: "Translation of an Evidence-Based Fall Prevention Program into Rural West Virginia Churches," 07/08/2013-07/31/2015, Project Director: Dina Jones

Co-investigator, "Prescription Drug Overdose: Boost for State Prevention," Sub-contract of Cooperative Agreement with CDC & West Virginia Department of Health and Human Resources, 10/01/14-09/31/17, PI: Kelly Gurka

SERVICE ON
DOCTORAL
COMMITTEES

**University of Alabama at Birmingham
School of Public Health**

Completed:

Kelsey Jordan, Epidemiology, July 2017

**West Virginia University
School of Public Health**

Completed:

Toni Rudisill, Public Health Sciences (Epidemiology), May 2015, Epidemiologist,
West Virginia University Injury Control Research Center

Meagan Stabler, Public Health Sciences (Epidemiology), December 2015, Advanced
Injury Epidemiologist, Kansas Department of Health and Environment, Bureau of
Health Promotion

**PROFESSIONAL
SERVICE**

University of Alabama at Birmingham

School of Public Health

- Member, Dean Search Committee, 2017-present

Department of Biostatistics

- Member, Graduate Programs Committee, 2017-present
- Chair, Graduate Admissions Committee, 2017-present
- Member, Graduate Admissions Committee, 2016-present

West Virginia University

Health Sciences Center

- Women in Sciences & Health (WISH) Committee, 2014-2016
- Research Project Judge, School of Dentistry Annual Alumni Day, April 2014

School of Public Health

- Evaluation Committee, 2014-2016
- Judge, Delta Omega Poster Competition, 2016
- Evaluator, SPH Student Poster Presentations, December 2013 & April 2014

Department of Biostatistics

- Admissions Committee, 2013-2016
- Biostatistics Chair Search Committee, 2015-2016
- Coordinator, Biostatistics Major, PhD Public Health Sciences, 2013-2015
- Chair, Instructor Search Committee, 2015

Manuscript Reviews

Ad-hoc Reviewer

American Journal of Epidemiology, Annals of Epidemiology, Biometrics, BMJ Open, Computational Statistics, Computational Statistics and Data Analysis, Environmental and Ecological Statistics, Journal of Agricultural, Biological, and Environmental Statistics, Journal of Applied Statistics, Journal of Educational and Behavioral Statistics, Journal of Prosthodontics, Journal of Statistical Distributions and Applications, Scientific Reports, South African Statistical Journal

Other Professional Service

Session Chair, 2015 Joint Statistical Meetings

Judge, 2016 ENAR Meeting Regional Advisory Board Poster Award Competition