

CURRICULUM VITAE

Kirsten Dorans, ScD

PERSONAL INFORMATION

ADDRESS: 1440 Canal St, New Orleans, LA 70112

CITIZENSHIP: United States

LANGUAGES: English

EDUCATION

| DEGREES | YEAR | INSTITUTION |
|---------|------|---|
| ScD | 2016 | Harvard T.H. Chan School of Public Health, Boston, MA |
| BSc | 2008 | McGill University, Montreal, QC, Canada |

PROFESSIONAL POSITIONS

| | |
|--------------|---|
| 2018-Present | Assistant Professor, Department of Epidemiology, Tulane University School of Public Health and Tropical Medicine, New Orleans, LA |
| 2017 | Research Fellow (Postdoctoral Position), Department of Epidemiology, Tulane University School of Public Health and Tropical Medicine, New Orleans, LA |
| 2016-2019 | Research Fellow (Affiliate), Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA |
| 2016-2017 | National Academies of Science, Medicine, and Engineering, Gulf Research Program Science Policy Fellow, New Orleans, LA |
| 2013-2016 | Research Student, Cardiovascular Epidemiology Research Unit, Beth Israel Deaconess Medical Center, Boston, MA |
| 2012 | Research Assistant, Department of Nutrition, Harvard T.H. Chan School of Public Health, Boston, MA |
| 2009-2011 | Assistant Editor, Nature Publishing Group, New York, NY |
| 2009 | News Intern, Nature Medicine, New York, NY |
| 2008 | Legislative Intern, Office of Public Affairs, American Chemical Society, Washington, DC |
| 2008 | Media & Communications Intern, US Department of Energy, Brookhaven National Laboratory, Upton, NY |

HONORS AND AWARDS

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|-----------|---|
| 2022 | Tulane University School of Public Health and Tropical Medicine; Recognition for Outstanding Achievement and Commitment to Excellence in Total Competitive Research Funding; Kirsten Dorans, Jiang He, Mary Schultheis, "A Cluster Randomized Trial Implementing the Diabetes Prevention Program in WIC Clinics in Louisiana" |
| 2019 | Inducted into Delta Omega Society, Eta Chapter |
| 2016 | American Heart Association Epidemiology and Prevention Early Career Travel Grant |
| 2011-2016 | NIH Training Program in the Epidemiology of Cardiovascular Disease Pre-doctoral trainee, Brigham and Women's Hospital, 2011–2016 |
| 2010 | American Medical Writers Association Eric W. Martin Award for news feature, "Outpacing Cancer" |
| 2010 | American Medical Writers Association Pacific Southwest Chapter's Frances Larson Memorial Award for news feature, "Outpacing Cancer" |
| 2006-2007 | Herbert J. Brennen Scholarship – for Chemistry or Mathematics Students, McGill University |
| 2006 | Frederic J. LeMaistre Award (Scholarship), Department of Chemistry, McGill University |
| 2006 | Merck Fellowship Recipient for Summer Research in Chemistry at McGill University |

RESEARCH

GRANTS, CONTRACTS, AND OTHER FUNDING

ACTIVE GRANTS/CONTRACTS/OTHER FUNDING

| | |
|--------------------|---|
| Role: | PI (Contact PI Dorans; MPIs He and Schultheis) |
| Project: | A Cluster Randomized Trial Implementing the Diabetes Prevention Program in WIC Clinics in Louisiana |
| Period of Support: | 10/2022-9/2027 |
| Funding Source: | NIH OT2HL158287, Subcontract Westat (6793-01-RC001) |
| Percent Effort: | 45% |
| Objectives: | In this Phase II Maternal Health Community Implementation Project, we are comparing an adapted implementation strategy of 12 in-person Diabetes Prevention Program (DPP) intervention sessions supplemented with technology support to a standard strategy of 24 in-person sessions over 12 months delivered by health coaches on fidelity, effectiveness, and sustainability among postpartum women with obesity or a history of gestational diabetes mellitus. This cluster randomized trial will use a type III effectiveness-implementation hybrid design to compare a technology-assisted strategy with a standard strategy to achieve two primary goals simultaneously: (1) compare uptake of the two strategies; and (2) compare the clinical effectiveness of the two strategies on 12-month weight loss. The proposed study will generate evidence on implementation strategies of different intensity for implementing an evidence-based intervention in WIC clinics at reducing cardiometabolic risk among women using WIC services who have obesity or history of gestational diabetes. |

Role: Co-I (PI: Harville)
Project: Southern Center for Maternal Health Equity
Period of Support: 09/01/2023-08/31/2030
Funding Source: National Institutes of Health
Percent Effort: 15%
Objectives: This project will provide a strong paradigm for implementing multilevel programs to prevent maternal complications and improve access to care for Black birthing people, pregnancies in the Gulf South, and those living in maternity care deserts, consistent with the IMPROVE initiative's goal of reducing preventable causes of maternal deaths and improving health for women before, during, and after delivery.

Role: Co-I (PI: Harville)
Project: M-O-M-S on the Bayou: Implementation of an intervention for mental health in pregnancy
Period of Support: 06/01/2021-05/31/2024
Funding Source: National Academies of Sciences, Engineering, and Medicine
Percent Effort: 5%
Objectives: Experiencing natural disaster during pregnancy is associated with long-term mental and physical effects on mother and child, but few interventions address this population or circumstance. The Mentors Offering Maternal Support (M-O-M-S) intervention focus on the mother's mental health, relationships, and cognitions around pregnancy, incorporating "mentorship" by nonclinical but trained facilitators, who lead sessions over the course of pregnancy. This intervention reduced pregnancy-specific anxiety and improved birth outcomes among military women dealing with deployment. Through interviews with key stakeholders in a region (Bayou Region and River Parishes in southern Louisiana) that has been hit with multiple disasters (most recently Hurricane Ida), we will adapt the M-O-M-S intervention to determine how it can best be deployed post-disaster. We will 1) Conduct formative community-informed needs assessment interviews with pregnant and postpartum women, prenatal care providers, disaster planners, and other service providers to assess barriers and facilitators of implementing this program; and determine promising strategies for implementing the program in a disaster-affected area. 2) Assess the implementation outcomes (acceptability, adaptation, adoption, feasibility, fidelity, and sustainability) of the M-O-M-S intervention in this region and set of circumstances; 3) Assess the effectiveness of the M-O-M-S intervention for improving mental health. This project will help develop an evidence-based toolkit for mitigating effects of disaster. Without such interventions, effects of disaster will be worse than they need to be, and extend to the next generation.

COMPLETED GRANTS/CONTRACTS/OTHER FUNDING

Role: Junior Faculty Investigator, Project PI Dorans
Project: Tulane COBRE for Clinical and Translational Research in Cardiometabolic Diseases
Period of Support: 1/2018–2/2023 (*No-Cost Extension*)
Funding Source: National Institute of General Medical Sciences (NIGMS, 1P20GM109036-01A1)
Principle Investigator: Jiang He, MD, PhD
Percent Effort: 50% (first 3 years)
Objectives: The overall objective of this Center for Biomedical Research Excellence (COBRE) is to increase the quality and quantity of clinical, translational and implementation research in cardiometabolic diseases at Tulane University. Goals of the COBRE include establishment of a Center of Excellence for Clinical, Translational and Implementation Research in Cardiometabolic Diseases at Tulane University; developing and nurturing successful competitive independent investigators in clinical, translational and implementation research; motivating and facilitating multidisciplinary and interdisciplinary

interaction and collaboration in the area of cardiometabolic disease research; and building and expanding the clinical and community-based research infrastructure at Tulane University and in Louisiana. As a junior faculty investigator, I lead a randomized controlled trial evaluating the effect of a low-carbohydrate dietary intervention among individuals with or at high risk of type 2 diabetes.

Role: PI (Contact PI Dorans; Co-PI Harville)
Project: Strategies for Implementing a Diabetes Prevention Program for Low-Income Women with Recent Gestational Diabetes Mellitus
Period of Support: 8/2021-9/2022
Funding Source: NIH OT2HL158287, Subcontract Westat (6793-01-RC001)
Percent Effort: 25%
Objectives: In this planning Phase I Maternal Health Community Implementation Project, we are studying community-based implementation of a Diabetes Prevention Program (DPP)-like intervention to women with recent gestational diabetes mellitus who live in the New Orleans, Louisiana region and use in Women, Infants, and Children (WIC) services.

Role: PI
Project: Low-Carbohydrate Dietary Pattern on Glycemic Outcomes Trial
Period of Support: 5/2019–6/2020
Funding Source: Tulane University Carol Lavin Bernick Faculty Grant
Objectives: There is much interest in dietary approaches to prevent and treat type 2 diabetes. Funds from the Carol Lavin Bernick Faculty Grant will support a clinical trial investigating the effect of a behavioral intervention promoting a low-carbohydrate dietary pattern on change in a marker of blood sugar among individuals with or at high risk of type 2 diabetes. Findings may provide evidence about the role of carbohydrate restriction in people with or at high risk of type 2 diabetes. This study is supported by a National Institutes of Health Center of Biomedical Research Excellence grant awarded to Tulane.

Role: Pre-Doctoral Trainee 9/2011–7/2016
Project: Training Program in the Epidemiology of CVD
Period of Support: 7/1987–6/2020
Principle Investigators: Paul M. Ridker, MD, MPH and Julie E. Buring, ScD
Funding Source: NHLBI
Objectives: Cardiovascular disease (CVD) remains the leading cause of death and disability both in the US and world-wide. The overarching goal of this training program is to prepare the next generation of MD and PhD scientists whose careers as independent investigators will focus on improving our understanding of the causes, treatment strategies and prevention of CVD.

PEER-REVIEWED PUBLICATIONS

NCBI: <https://www.ncbi.nlm.nih.gov/myncbi/kirsten.dorans.1/bibliography/public/>

PEER REVIEWED PUBLICATIONS (PUBLISHED OR IN PRESS)

1. He J, Bundy JD, Geng S, Tian L, He H, Li X, Ferdinand KC, Anderson AH, **Dorans KS**, Vasani RS, Mills KT, Chen J. Social, Behavioral, and Metabolic Risk Factors and Racial Disparities in Cardiovascular Disease Mortality in U.S. Adults: An Observational Study. *Ann Int Med*. 2023 doi: 10.7326/M23-0507.
2. **Dorans KS**, Bazzano LA, Qi L, He H, Appel, LJ, Samet JM, Chen J, Mills KT, Nguyen BT, Hsieh M*, O'Brien MJ, Uwaifo GI, He J. Effects of a Low-carbohydrate Dietary Intervention on Hemoglobin A1c: A Randomized Clinical Trial. *JAMA Netw Open*. 2022 **5**(10):e2238645. *Student.

3. **Dorans KS***, Wright JA*, Schaubel DE, Sha D, Rahman M, Feldman HI. Anxiety in Patients with Chronic Kidney Disease during the COVID-19 Pandemic: Predictors and Consequences Among Chronic Renal Insufficiency Cohort (CRIC) Study Participants. *Kidney360*. 2022, **3** (8) 1341-1349. DOI: 10.34067/KID.0000222022. *Contributed equally.
4. **Dorans KS**, Bazzano LA, Li X, Bundy JD, Tian L, He J. Lifestyle Behaviors and Cardiovascular Risk Profiles Among Parous Women by Gestational Diabetes Status, 2007–2018. *Nutr Metab Cardiovasc Dis*. 2022. 32(5):1121-1130. doi: 10.1016/j.numecd.2022.01.012. **32**:1121-1130. PMID: 35210134.
5. He J, Zhu Z, Bundy JD, **Dorans KS**, Chen, J, Hamm, LL. Trends in Cardiovascular Risk Factors in US Adults by Race and Ethnicity and Socioeconomic Status. *JAMA*. 2021 **326**: 1286-1298. doi: 10.1001/jama.2021.15187. PMID: 34609450. PCMID: PMC8493438.
6. Razavi AC, Bazzano LA, He J, Krousel-Wood M, **Dorans KS**, Razavi MA, Fernandez C, Whelton SP, Kelly TN. Discordantly normal ApoB relative to elevated LDL-C in persons with metabolic disorders: A marker of atherogenic heterogeneity. *Am J Prev Cardiol*. 2021 **7**:100190. doi: 10.1016/j.ajpc.2021.100190. PMID: 34611635. PCMID: 34611635.
7. **Dorans KS**, Bazzano LA, Qi L, He H, Appel, LJ, Samet JM, Chen J, Mills KT, Nguyen BT, O'Brien MJ, Uwaifo GI, He J. Low-carbohydrate Dietary Pattern on Glycemic Outcomes Trial (ADEPT) among Individuals with Elevated Hemoglobin A1c: Study Protocol for a Randomized Controlled Trial. *Trials*. 2021 **108**. doi: 10.1186/s13063-020-05001-x. PMID: 33522954. PCMID: PMC7848246.
8. **Dorans KS**, He H, Chen J, Dobre M, Go AS, Hamm LL, Jaar BG, Mehta RC, Rahman M, Ricardo AC, Rosas SE, Srivastava A, He J. Change in Ankle Brachial Index with Mortality Among Individuals with Chronic Kidney Disease: Findings from the CRIC Study. *Nephrol Dial Transplant*. 2021. **36**:2224–2231. doi: <https://doi.org/10.1093/ndt/gfaa246>. PMID: 34697628. PCMID: 34697628.
9. Harville EW, Bazzano L, Qi L, He J, **Dorans KS**, Perng W, Kelly T. Branched-chain amino acids, history of gestational diabetes, and breastfeeding: The Bogalusa Heart Study. *Nutr Metab Cardiovasc Dis*. 2020 **30**: 2077–2084. doi: 10.1016/j.numecd.2020.06.015. PMID: 32819784 PCMID: PMC7606618.
10. He W, Li C, Mi X, Shi M, Gu X, Bazzano LA, Razavi AC, Nierenberg JL, **Dorans KS**, He H, Kelly TN. An Untargeted Metabolomics Study of Blood Pressure: Findings From the Bogalusa Heart Study. *J Hypertens*. 2020 **36**:1302–1311. doi: 10.1097/HJH.0000000000002363. PMID: 32004207.
11. Murray EJ, Farland LV, Caniglia EC, **Dorans KS**, DuPre NC, Hughes KC, Kim IY, Pernar CH, Tanz LJ, Zack RM. Is this a Portrait of John Graunt? An Art History Mystery. *Am J Epidemiol*. 2020 **89**:1204-1207. doi: 10.1093/aje/kwz212. PMID: 31576411. PCMID: PMC7670870.
12. Beck, MW, Sherwood ET, Henkel JR, **Dorans KS**, Ireland K, Varela P. Assessment of the Cumulative Effects of Restoration Activities on Water Quality in Tampa Bay, Florida. *Estuaries and Coasts*. 2019 **42**: 1775–1791. doi: <https://doi.org/10.1007/s12237-019-00619-w>. PMID: 31853233. PCMID: PMC6919555.
13. Li W, **Dorans KS**, Wilker EH, Rice MB, Ljungman PL, Schwartz JD, Coull BA, Koutrakis P, Gold DR, Keaney JF, Vasani RS, Benjamin EJ, Mittleman MA. Short-term Exposure to Ambient Air Pollution and Circulating Biomarkers of Endothelial Cell Activation: The Framingham Heart Study. *Environmental Research*. 2019 **171**:36-43. doi: 10.1016/j.envres.2018.10.027. PMID: 30654247. PCMID: PMC6478022.
14. **Dorans KS**, Mills KT, Liu Y, He J. Trends in Prevalence and Control of Hypertension According to the 2017 American College of Cardiology/American Heart Association (ACC/AHA) Guideline. *JAHA*. 2018 June 1. pii: e008888. doi: 10.1161/JAHA.118.008888. PMID: 29858369. PCMID: PMC6015372.

15. Rice MB, Li W, **Dorans KS**, Wilker EH, Ljungman PL, Gold DR, Koutrakis P, O'Connor GT, Mittleman MA, Washko GR. Exposure to Traffic and Fine Particulate Matter and Clinical and Radiographic Measures of Lung Disease in the Framingham Heart Study. *Epidemiology*. 2018 **29**(3): 333–341. PMID: 29384790. PMCID: PMC6095201.
16. Li W, **Dorans KS**, Wilker EH, Rice MB, Kloog I, Schwartz JD, Koutrakis P, Coull BA, Meigs JB, Fox CS, Mittleman MA. Ambient Air Pollution, Adipokines, and Glucose Homeostasis: The Framingham Heart Study. *Environment International*. **111**; 14–22 (2018). doi:10.1016/j.envint.2017.11.010. PMID: 29161632. PMCID: PMC5800943.
17. Li W, **Dorans KS**, Wilker EH, Li W, Rice MB, Ljungman PL, Schwartz J, Coull BA, Koutrakis P, Gold DR, Keaney JF, Vasan RS, Benjamin E, Mittleman MA. Short-Term Exposure to Ambient Air Pollution and Biomarkers of Systemic Inflammation: The Framingham Heart Study. *Arterioscler Thromb Vasc Biol*. **37**, 1793–1800 (2017). doi: 10.1161/ATVBAHA.117.309799. PMID: 28751572. PMCID: PMC5570664.
18. Li W, **Dorans KS**, Wilker EH, Rice MB, Long MT, Schwartz J, Coull BA, Koutrakis P, Gold DR, Fox CS, Mittleman MA. Residential Proximity to Major Roadways, Fine Particulate Matter, and Hepatic Steatosis: The Framingham Heart Study. *American Journal of Epidemiology*. **186**, 857–865 (2017). doi: <https://doi.org/10.1093/aje/kwx127>. PMID: 28605427. PMCID: PMC5860476.
19. **Dorans KS**, Wilker EH, Li W, Rice MB, Ljungman PL, Schwartz J, Coull BA, Kloog I, Koutrakis P, D'Agostino Sr. RB, Massaro JM, Hoffmann U, O'Donnell CJ, Mittleman MA. Residential proximity to major roads, exposure to fine particulate matter and aortic calcium: the Framingham Heart Study, a cohort study. *BMJ Open*. **7**:e013455 (2017). doi: 10.1136/bmjopen-2016-013455. PMID: 28302634. PMCID: PMC5372069.
20. Steinhaus DA, Mostofsky E, Levitan EB, **Dorans KS**, Håkansson N, Wolk A, Mittleman MA. Chocolate intake and incidence of heart failure: findings from the Cohort of Swedish Men. *The American Heart Journal*. **183**, 18–23 (2017). doi: 10.1016/j.ahj.2016.10.002. PMID: 27979037. PMCID: PMC5172457.
21. Li W, **Dorans KS**, Wilker EH, Rice MB, Schwartz J, Coull BA, Koutrakis P, Gold DR, Fox CS, Mittleman MA. Residential Proximity to Major Roadways, Fine Particulate Matter, and Adiposity: The Framingham Heart Study. *Obesity*. **24**, 2593–2599 (2016). doi: 10.1002/oby.21630. PMID: 27804220. PMCID: PMC5125859.
22. **Dorans KS**, Massa J, Chitnis T, Ascherio A, Munger KL. Physical activity and the incidence of multiple sclerosis. *Neurology*. **87**, 1770–1776 (2016). doi: 10.1212/WNL.0000000000003260. PMID: 27683852. PMCID: PMC5089531.
23. **Dorans KS**, Wilker EH, Li W, Rice MB, Ljungman PL, Schwartz J, Coull BA, Kloog I, Koutrakis P, D'Agostino Sr. RB, Massaro JM, Hoffmann U, O'Donnell CJ, Mittleman MA. Residential proximity to major roads, exposure to fine particulate matter and coronary artery calcium: the Framingham Heart Study. *Arterioscler Thromb Vasc Biol*. **36**, 1679–1685 (2016). doi: 10.1161/ATVBAHA.116.307141. PMID: 27312220. PMCID: PMC4965287.
24. Li W, Wilker EH, **Dorans KS**, Rice MB, Schwartz J, Coull BA, Koutrakis P, Vasan RS, Gould DR, Keaney Jr. JF, Lin H, Vasan RS, Benjamin EJ, Mittleman MA. Short-term exposure to air pollution and biomarkers of oxidative stress: the Framingham Heart Study. *Journal of the American Heart Association*. **5**. pii: e002742 (2016). doi: 10.1161/JAHA.115.002742. PMID: 27126478. PMCID: PMC4889166.
25. **Dorans KS**, Mostofsky E, Levitan EB, Håkansson N, Wolk A, Mittleman MA. Alcohol and incident heart failure among middle-aged and elderly men: Cohort of Swedish Men. *Circulation: Heart Failure*. **8**:422–427 (2015). doi: 10.1161/CIRCHEARTFAILURE.114.001787. PMID: 25872788. PMCID: PMC4511919.

26. Rice MB, Ljungman PL, Wilker EH, **Dorans KS**, Gold DR, Schwartz J, Koutrakis P, Washko GR, O'Connor GT, Mittleman MA. Long-term exposure to traffic emissions and fine particulate matter and lung function decline in the Framingham Heart Study. *American Journal of Respiratory and Critical Care Medicine*. **191**:656–664 (2015). doi: 10.1164/rccm.201410-1875OC. PMID: 25590631. PMCID: PMC4384780.
27. Bohle DS, **Dorans KS**, Fotie J. *trans*-Bis(2-amino-phenyl)diazene. *Acta Crystallographica Section E*. **E63**, o889–o890 (2007), doi: 10.1107/S1600536807002413.

PEER REVIEWED NATIONAL REPORTS

1. U.S. Department of Health and Human Services. Smoking Cessation. A Report of the Surgeon General. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2020. Available: <https://www.hhs.gov/sites/default/files/2020-cessation-sgr-full-report.pdf>. **Contributing author: Health Benefits of Smoking Cessation – Cardiovascular Disease.**

PUBLICATIONS IN PREPARATION

1. **Dorans KS***, Kumari B*, Alvarado F, Bridgeforth C, Dandridge E, Dobson T, He J, Martin C, Mills KT, Salles M, Schultheis ME, Harville EW, Bazzano AN. A Qualitative Study of Barriers and Facilitators to Implementing a Diabetes Prevention Program in the Setting of WIC Clinics in Louisiana. *In Preparation*.
*Student, contributing equally.
2. Smith L,* Bayandalai N,* Alvarado F, Bazzano AN, Bridgeforth C, Dandridge E, Dobson T, He J, Martin C, Mills KT, Schultheis ME, Harville EW, **Dorans KS**. Implementation of a Modified Diabetes Prevention Program in WIC Clinics: A Pilot Study. *In Preparation*.
*Students.
3. **Dorans KS**, Mills KT, Sheikh FA*, Feng Y*, Sethi AA*, Li X, He J. Comparative Effectiveness of Diabetes Prevention Program Implementation Strategies: A Systematic Review and Meta-Analysis. *In Preparation*.
*Students.
4. **Dorans KS**, Bazzano LA, Qi L, He H, Chen J, Mills KT, Nguyen BT, O'Brien MJ, Uwaifo GI, He J. Mediation of Effects of a Low-carbohydrate Dietary Intervention on Hemoglobin A1c Through Weight: A Randomized Clinical Trial. *In Preparation*.
5. Cueto J*, **Dorans KS***, He J, Li C, Nierenberg J, Gu X, Bazzano LA, Kelly TN. Untargeted Metabolomics Study of Glycemic Outcomes Among Bogalusa Heart Study Participants. *In Preparation*.
*PhD Student Advisee, contributing equally.

MEDIA APPEARANCES

Fall 2022: Media coverage of first-author publication: 'Effects of a Low-carbohydrate Dietary Intervention on Hemoglobin A1c: A Randomized Clinical Trial', including:

- Altmetric Attention Score of 945 as of November 16, 2022
- An estimated 146 news stories from 102 outlets (including both national and international news outlets) - <https://jamanetwork.altmetric.com/details/137702756/news>, including coverage on
 - o CBS News Boston
 - o Daily Mail
 - o Healthline
- Interviewed with:
 - o WWLTV News: <https://www.wwltv.com/article/news/local/skipping-the-sugar-could-sweeter-results-louisiana-doctors/289-5a89e55c-0960-4fa1-9c0e-1a4950c650f2>
 - o Louisiana Radio Network: <https://louisianaradionetwork.com/2022/10/27/new-study-says-low-carb-diets-alone-can-lower-blood-sugar-levels/>
 - o The Advocate: https://www.theadvocate.com/baton_rouge/news/article_119bf250-ebf9-5175-9c37-45b8212d385b.html
 - o Medscape: <https://www.medscape.com/viewarticle/983033>
 - o Cardiovascular Research Foundation

STATISTICS

- a. h-index (all and in last 5 years)
All: 16
Last 5 years: 16
- b. number of citations (all and in last 5 years)
All: 1299
Last 5 years: 1150

PRESENTATIONS

INVESTIGATOR INITIATED PRESENTATIONS (only those in which I am listed as first, presenting author):

1. Implementation of a Modified Diabetes Prevention Program in WIC Clinics: A Pilot Study/June 2023/American Diabetes Association Meeting/San Diego, CA/Oral Presentation.
Authors: **Dorans KS**, Schultheis ME, Bridgeforth C, Alvarado F, Dandridge E, Dobson T, He J, Martin C, Mills KT, Salles MM, Schoonenberg B, Uwaifo GI, Bazzano AN, Harville E.
2. Strategies for Implementing a Postpartum Lifestyle Intervention in WIC Clinics: A Clinical Trial/May 2023/National WIC Association Meeting/San Diego, CA/Oral Presentation.
Authors: **Dorans KS**, Alvarado F, Bazzano AN, Bridgeforth C, Dandridge E, Dobson T, Harville E, He H, Martin C, Redman L, Shi L, Salles MM, Rout S, Schultheis ME, He J.
3. Mediation of Effects of a Low-carbohydrate Dietary Intervention on Hemoglobin A1c Through Weight: A Randomized Clinical Trial/March 2023/American Heart Association EPI Lifestyle Scientific Sessions/Boston, MA.
Authors: **Dorans KS**, Bazzano LA, Qi L, He H, Chen J, Mills KT, Nguyen BT, O'Brien MJ, Uwaifo GI, He J.

4. A Randomized Trial of Low-Carbohydrate Diet on Hemoglobin A1c among Individuals with Elevated Hemoglobin A1c/June 2022/American Diabetes Association Meeting/New Orleans, LA.
Authors: **Dorans KS**, Bazzano LA, Qi L, He H, Appel, LJ, Samet JM, Chen J, Mills KT, Nguyen BT, O'Brien MJ, Uwaifo GI, He J.
5. A Qualitative Study of Barriers and Facilitators to Implementing a Diabetes Prevention Program in the Setting of WIC Clinics in Louisiana/May 2022/National WIC Association Meeting/New Orleans, LA/Oral Presentation.
Authors: **Dorans KS**, Kumari B*, Alvarado F, Bridgeforth C, Carter L, Dobson T, He J, Martin C, Mills KT, Schultheis ME, Harville EW, Bazzano AN. *Student.
6. Longitudinal Ankle Brachial Index and Risk of Chronic Kidney Disease Progression/November 2021/ASN Kidney Week 2021/Virtual (when in-person, held in US)/PO2359.
Authors: **Dorans KS**, Chen J, Li X, He H, Cohen JB, Go AS, Hamma LL, Horowitz E, Jaar BG, Lash JP, Mehta RC, Rosas SE, Srivastava A, Taliercio J, He J.
7. Anxiety in Patients with Chronic Kidney Disease during the COVID-19 Pandemic: Predictors and Consequences Among Chronic Renal Insufficiency Cohort (CRIC) Study Participants/ November 2021/ASN Kidney Week 2021/Virtual (when in-person, held in US)/PO0098.
Authors: **Dorans KS***, Wright JA*, Schaubel DE, Sha D, Rahman M, Feldman HI. *Contributed equally.
8. Comparative Effectiveness of Diabetes Prevention Program Implementation Strategies/June 2021/American Diabetes Association Meeting/Virtual (when in-person, held in US)/1097-P.
Authors: **Dorans KS**, Mills KT, Feng Y, Sethi A, Li X, He J.
9. Cardiovascular Risk Profiles Among Women by Gestational Diabetes Status, 2007–2016/June 2020/American Diabetes Association Meeting/Virtual (Originally planned for Chicago, IL)/1601-P.
Authors: **Dorans KS**, Bazzano LA, He J.
10. Untargeted Metabolomics Study of Glycemic Outcomes Among Bogalusa Heart Study Participants/March 2020/American Heart Association EPI Lifestyle Scientific Sessions/Phoenix, AZ/P190.
Authors: **Dorans KS**, He J, Li C, Nierenberg J, Gu X, Bazzano LA, Kelly TN.
11. Change in Ankle Brachial Index and Subsequent Risk of Heart Failure and Atrial Fibrillation in Patients with Chronic Kidney Disease/November 2019/American Heart Association Scientific Sessions/Philadelphia, PA/Abstract 10248.
Authors: **Dorans KS**, Chen J, Anderson AH, Mills KT, Bansal N, Go AS, Jaar BG, Kansal MM, Mehta RC, Rahman M, Rao P, Rincon-Coles H, Rosas SE, Weir M, He J.
12. The Relationship of Change in Ankle Brachial Index with Mortality Among Individuals with Chronic Kidney Disease: Findings from the CRIC Study/November 2019/ASN Kidney Week/Washington DC/TH-PO699.
Authors: **Dorans KS**, He H, Chen J, Dobre M, Go AS, Hamm LL, Jaar BG, Mehta RC, Rahman M, Ricardo AC, Rosas SE, Srivastava A, He J.

13. Trends in prevalence and control of hypertension according to the 2017 ACC/AHA guideline/June 2018/ NIH, NIGMS 7th Biennial National IDEa Symposium of Biomedical Research Excellence (NISBRE)/Washington DC.
Authors: **Dorans KS**, Mills KT, Liu Y, He J.
14. Trends in prevalence and control of hypertension according to the 2017 ACC/AHA guideline/June 2018/Society for Epidemiologic Research/Baltimore, MD.
Authors: **Dorans KS**, Mills KT, Liu Y, He J.
15. Applying quantile regression in the setting of zero-inflated or skewed data/June 2017/Society for Epidemiologic Research/Seattle, WA.
Authors: **Dorans KS**, Li W, Wilker EH, O'Donnell CJ, Schwartz J, Coull BA, Mittleman MA.
16. Association of traffic-related air pollution and aortic calcium in the Framingham Heart Study/March 2016/American Heart Association EPI Lifestyle Scientific Sessions/Phoenix, AZ.
Authors: **Dorans KS**, Wilker EH, Li W, Rice MB, Ljungman PL, Schwartz J, Coull BA, Kloog I, Koutrakis P, D'Agostino Sr. RB, Massaro JM, Hoffmann U, O'Donnell CJ, Mittleman MA.
17. Association of traffic-related air pollution and coronary artery calcium in the Framingham Heart Study/June 2015/Society for Epidemiologic Research Meeting/Denver, CO. Oral Presentation.
Authors: **Dorans KS**, Wilker EH, Li W, Rice MB, Ljungman PL, Schwartz J, Coull BA, Buring JE, Kloog I, D'Agostino Sr. RB, Massaro JM, Hoffmann U, O'Donnell CJ, Mittleman MA.
18. Physical activity and the incidence of multiple sclerosis/May 2015/Annual Meeting of the Consortium of Multiple Sclerosis Centers/Indianapolis, IN.
Authors: **Dorans KS**, Massa J, Chitnis T, Ascherio A, Munger KL.
19. Alcohol and incident heart failure among the Cohort of Swedish Men/March 2014/American Heart Association EPI|NPAM Scientific Sessions/San Francisco, CA/P033.
Authors: **Dorans KS**, Mostofsky E, Levitan EB, Håkansson N, Wolk A, Mittleman MA.

INVITED PRESENTATIONS

1. Strategies for Implementing a Postpartum Lifestyle Intervention in WIC Clinics (STRIVE)/May 2023/ Workshop for Tulane Center of Excellence in Maternal Child Health/New Orleans, LA/Presenters: Kirsten Dorans, Mary Schultheis, Erin Dandridge
2. Strategies for Implementing a Postpartum Lifestyle Intervention in WIC Clinics (STRIVE)/April 2023/Louisiana WIC Meeting/Oral Presentation/Lafayette, LA
3. National Academies Gulf Research Program Gulf Scholars Program Meeting/Science-Policy Networking in the Gulf Region (Invited Panel Speaker)/March 2023/New Orleans, LA
4. Strategies for Implementing a Postpartum Lifestyle Intervention in WIC Clinics (STRIVE)/January 2023/ Presentation for National WIC Association Advisory Board Visit to Crescent City Family Services WIC Clinic/Gretna, LA
5. The Effect of a Low-carbohydrate Dietary Pattern on Hemoglobin A1c among Individuals with Elevated Hemoglobin A1c/January 2022/ Tulane University: Department of Epidemiology Seminar/New Orleans, LA

6. Maternal Health Diabetes Prevention Project: Implementation of the Diabetes Prevention Program in the Setting of WIC Clinics/October 2021/Presentation for Jefferson Parish Community Action Network (through Healthy Start)/Virtual
7. National Academies Gulf Research Program Science Policy Fellows Monthly Meeting: What Next? - Post Fellowship (Panel Speaker)/July 2020/Virtual
8. Trends in Prevalence and Control of Hypertension According to the 2017 ACC/AHA Guideline/March 2018/ Tulane University: Department of Epidemiology Seminar/New Orleans, LA
9. Ambient Air Pollution and Atherosclerosis: The Framingham Heart Study/September 2019/ Tulane University: Department of Epidemiology Seminar/New Orleans, LA
10. The Air We Breathe: Air Pollution and Cardiovascular Disease/January 2017/ Southeastern Louisiana University: Department of Chemistry and Physics Seminar/Hammond, LA
11. Traffic-related Air Pollution and Atherosclerosis in the Framingham Heart Study/February 2016/ Brigham and Women's Hospital: Division of Preventive Medicine Seminar/Brookline, MA

TEACHING

INSTRUCTOR

Epidemiology for Public Health (SPHL 6060, 3 credits), Spring 2019, 30 students, Course Director
 Epidemiology for Public Health (SPHL 6060, 3 credits), Spring 2020, 25 students, Course Director
 Epidemiology for Public Health (SPHL 6060, 3 credits), Fall 2020, 65 students, Course Director
 Clinical Trials, Design, Conduct and Interpretation (EPID 7170, 3 credits), Spring 2021, 22 students, Co-Course Director
 Epidemiology for Public Health (SPHL 6060, 3 credits), Summer 2021, 59 students, Course Director
 Epidemiology for Public Health (SPHL 6060, 3 credits), Spring 2022, 44 students, Course Director
 Clinical Trials, Design, Conduct and Interpretation (EPID 7170, 3 credits), Spring 2022, 18 students, Co-Course Director
 Epidemiology for Public Health (SPHL 6060, 3 credits), Summer 2022, 30 students, Course Director
 Public Health Grant Writing (SPHU 7500, 3 credits), Fall 2022, 22 students, Co- Course Director
 Clinical Trials, Design, Conduct and Interpretation (EPID 7170, 3 credits), Spring 2023, 18 students, Co-Course Director
 Epidemiology for Public Health (SPHL 6060, 3 credits), Summer 2023, 31 students, Course Director
 Public Health Grant Writing (SPHU 7500, 3 credits), Fall 2022, 13 students, Co- Course Director

GUEST LECTURES/SEMINARS

Foundations of Epidemiology (SPHU 3170)

Fall 2018, Title: "Epidemiology of Diabetes and Strategies for Diabetes Prevention"
 Spring 2019, Title: "Epidemiology of Diabetes and Strategies for Diabetes Prevention"
 Spring 2021, Title: "Epidemiology of Diabetes and Strategies for Diabetes Prevention"
 Fall 2021, Title: "Epidemiology of Diabetes and Strategies for Diabetes Prevention"

Social Epidemiology: Mechanisms of Disparities (EPID 6600)

Spring 2021, Title: "Health Disparities in Diabetes"

Cardiovascular Disease Epidemiology (EPID 6220)

Spring 2019, Title: "Diet, Nutrition and Cardiovascular Disease"

Implementation Science in Health (EPID 6350)

Fall 2022, Title “Maternal Health Diabetes Prevention Project: Implementation of the Diabetes Prevention Program in the Setting of WIC Clinics”

Fall 2023, Title “Maternal Health Diabetes Prevention Project: Implementation of the Diabetes Prevention Program in the Setting of WIC Clinics”

Nutritional Epidemiology (EPID 6500)

Fall 2018, Title: “Dietary Interventions”

Fall 2019, Title: “Dietary Interventions”

Fall 2020, Title: “Dietary Interventions”

Spring 2022, Title: “Dietary Interventions”

Spring 2023, Title: “Dietary Interventions”

Advanced Epidemiologic Methods (EPID 8300)

Fall 2018, Title: “Causal Inference and Study Design”

Spring 2020, Title: “Causal Inference and Study Design”

Spring 2021, Title: “Causal Inference and Study Design”

Spring 2022, Title: “Causal Inference and Study Design”

Spring 2023, Title: “Epidemiology Research Strategies: Observational and Interventional Studies”

MASTERS COMMITEES

Ruisi Zhang, Fall 2019, Member (Reader)

Title: “The Association between CORIN Gene Variants and Blood Pressure and Stroke within African American and European Population”

Sarah Cruthirds, Fall 2021, Member (Reader)

Title “Association Between State-level Structural Racism Indicators and Food Insecurity Among Non-Hispanic White and Black Households in the United States”

Employment: Baptist Community Ministries

Ming-Hui Hsieh, Spring 2022, Advisor/Chair

Title “The Effect of a Low-carbohydrate Dietary Pattern on Continuous Glucose Monitor Outcomes”

Farnaaz A. Sheikh, Fall 2022, Chair

Title “Systematic Review of Diabetes Prevention Program Implementation Strategies”

DOCTORAL COMMITEES

Ling Tian, Committee Member, 2022-Present

Title “Sex differences in risk factors for cardiovascular disease”

Qiaochu Xue, Committee Member, 2022-Present

Title “Genetically proxied, microRNAs regulated circadian rhythm and cardiometabolic risk in people living with overweight and obesity”

Jenilee Cueto, Chair, 2023-Present

Title TBD

STUDENTS ADVISED

YEAR NUMBER ADVISED

2018-2019 1 (Kaitlyn Hernandez)

2019-2020 3 (Abimisola Anibaba, Bridget Dixon, Ashna Sethi)

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|-----------|---|---|
| 2020-2021 | 4 | (Abimisola Anibaba, Bridget Dixon, Ming-Hui Hsieh, Ashna Sethi) |
| 2021-2022 | 2 | (Abimisola Anibaba, Ming-Hui Hsieh) |
| 2022-2023 | 1 | (Caitlyn Cuillier, Jenilee Cueto – PhD Student) |

OTHER STUDENT MENTORSHIP

In addition to above students for whom I have formally served as advisor, I have informally advised and mentored a number of students. In addition to serving as chair or member of committees, I have mentored 8 students on research projects related to their degree. I have mentored 9 students who have served as teaching assistants for SPHL 6060 by supporting them in further developing their public health teaching skillset. As organizer of the weekly Translational Sciences Research Progress Meeting, I have also advised and supported students in presenting their ongoing and completed research projects. Below I have listed a selection of students whom I have mentored in capacities outside of formal advisor or committee chair or member role and described the type of mentoring provided.

ACADEMIC-FOCUSED MENTORSHIP

| YEAR | STUDENT NAME | PROGRAM |
|------|--------------|---------|
|------|--------------|---------|

| | | |
|------|--------------|-----------------------------------|
| 2019 | Whitley Quan | MPH, Health Policy and Management |
|------|--------------|-----------------------------------|

Description: Whitley was a student in my section of SPHL 6060 (Epidemiology for Public Health) in Spring 2019. I supported Whitley by regularly meeting with her support her in the course. She expressed to me that her experience at Tulane was enriched through my guidance of her during the course and expressed guidance for my compassion for students. Whitley graduated in 2020.

| | | |
|-----------|-------------------|---|
| 2019-2023 | MiguelAngel Lopez | MPH, Epidemiology PhD Candidate, Social, Behavioral, and Population Sciences |
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Description: As an MPH student, Miguel approached me due to his interest in nutrition and diabetes for advice regarding his next steps after his MPH degree. I mentored him and supported him in his plans to pursue a PhD degree in Social, Behavioral, and Population Sciences at Tulane. During his time as an MPH student and PhD student, I have also supported Miguel's training and experience with teaching, as he has been a teaching assistant for several of my sections of SPHL 6060 (Epidemiology for Public Health).

| | | |
|-----------|---------------|---|
| 2020-2022 | Lynn Abu Turk | MPH, International Health and Development |
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Description: Lynn was a student in my section of SPHL 6060 (Epidemiology for Public Health) in Fall 2020 and then became a teaching assistant for my section of SPHL 6060 in Summer 2021, in which I supported further development of her teaching skills. While she was a student, I advised Lynn on potential practicum positions and served as a reference for these applications. Since Spring 2022, Lynn has worked as a research student our group in the Office of Health Research and she will continue this role full-time after graduation.

| | | |
|-----------|--------------|-------------------|
| 2020-2022 | Emma Zawacki | MPH, Epidemiology |
|-----------|--------------|-------------------|

Description: Emma was a student in my section of SPHL 6060 (Epidemiology for Public Health) in Fall 2020 and then became a teaching assistant for my section of SPHL 6060 in Summer 2021, in which I supported further development of her teaching skills. Emma expressed how my teaching approach and support helped her to feel like she belonged in the Department of Epidemiology and to feel confident to transfer into the the Epidemiology MPH program. She will start work as a substance use epidemiologist for the state of South Carolina.

| | | |
|-----------|--------------|-----------------------------------|
| 2020-2022 | Leanna Badar | MPH, Health Policy and Management |
|-----------|--------------|-----------------------------------|

Description: Leanna was a student in my courses in Fall 2020 and in Spring 2022. Throughout both terms, I regularly met with her and supported her success and have since continued to support her through providing letters of support for her. She recently graduated and plans to apply to Law School.

2021 Kenlie Fiete MPH, Health Communication and Education

Description: Kenlie was a student in my section of SPHL 6060 (Epidemiology for Public Health) in Summer 2021. I regularly met with Kenlie to support her in the course. She expressed that my empathy and support helped her to succeed in the course and see an example of the type of teacher and leader she wants to be. Starting Fall 2022, she is completing a doctorate at Baylor University.

RESEARCH-FOCUSED MENTORSHIP

YEAR STUDENT NAME PROGRAM

2019-2021 Paige Pielet MPH, Epidemiology

Description: Paige was a student in my section of SPHL 6060 (Epidemiology for Public Health) in Spring 2019 and then worked as a study coordinator with a clinical trial I led, Low-carbohydrate Dietary Pattern on Glycemic Outcomes Trial (ADEPT) among Individuals with Elevated Hemoglobin A1c, while also pursuing her MPH degree in Epidemiology. I supported Paige using data from this clinical trial for her public health analysis for her degree. Paige is currently in school to become a Physician Assistant.

2020-2021 Yuan Feng MPH, Epidemiology

Description: Yuan was a student in the section of EPID 7170 (Clinical Trials) that I co-led in Spring 2021 and also collaborated with me in 2020-2021 for systematic review and meta-analysis that I led. I supported Yuan in developing skills in literature review and data extraction. Yuan expressed that my encouragement gave her confidence during her degree and with pursuing her career. She is currently a statistical programmer for a clinical trials company.

2020-2021 Ashna Sethi MPH, Epidemiology

Description: In addition to being my MPH student advisee, Ashna was a teaching assistant in the section of SPHL 6060 that I led in Summer 2021 and collaborated with me in 2020-2021 on a systematic review and meta-analysis that I led. I supported Ashna in developing skills in literature review and data extraction. She is currently a clinical research coordinator at the University of California, San Francisco.

2021-2022 Briasha Jones MPH, Maternal and Child Health

Description: As part of requirements for her MPH degree, Briasha Jones volunteered as on the ongoing Maternal Health Community Implementation Project, of which I am co-PI. In this role, she gained experience with community partnership communications, database preparation and data entry, and data collection. Briasha is a research coordinator at Woman's Hospital in Baton Rouge, Louisiana.

2021-2022 Bhavita Kumari PhD, Public Health in the Global Community

Description: Dr. Kumari served as a student worker with the ongoing Maternal Health Community Implementation Project, of which I am co-PI. With Dr. Alessandra Bazzano, I served as a mentor for her for this project. In this role, she gained experience with and led qualitative data analysis for the needs assessment. After graduation, Dr. Kumari has continued to support the completion of the project remotely.

2022-2023 Nomin Bayandalai MPH, Maternal and Child Health

Description: Nomin Bayandalai served as a student worker with the ongoing Maternal Health Community Implementation Project, of which I am co-PI. She evaluated different technology support tools for the Phase II of this project and also supporting writing the pilot study manuscript.

2023-Present Logan Smith, MS, NRP MPH, Epidemiology and MD Student

Description: Logan Smith serves as a research assistant with the ongoing Maternal Health Community Implementation Project, of which I am contact PI. He is cleaning and analyzing pilot data and contributing to the pilot study manuscript as a DeBakey Scholar.

2023-Present Denys Symonette Mitchell, MSW DrPH Student

Description: Denys Symonette Mitchell serves as a research assistant with the ongoing Maternal Health Community Implementation Project, of which I am contact PI. She is supporting the dietitian team with adaptation of study intervention material for the regional culture and postpartum WIC setting.

2023-Present Jinjie Wang MS, Biostatistics

Description: Jinjie Wang serves as a research assistant with the ongoing Maternal Health Community Implementation Project, of which I am contact PI. He is supporting the creation of study databases and plans for merging data across multiple study databases for a large effectiveness-implementation trial.

SERVICE

PROFESSIONAL MEMBERSHIPS AND OFFICES

2013-Present American Heart Association
2018-Present American Diabetes Association
2019-Present Delta Omega Society, Eta Chapter

UNIVERSITY COMMITTEES/ADVISORY BOARDS

UNIVERSITY COMMITTEES

Tulane University
2021–2022 eClinical Platform Request for Proposal Team
2021–2022 Delta Omega Tulane Chapter President
2020–2021 Delta Omega Tulane Chapter Vice President
2019–2020 Delta Omega Tulane Chapter Secretary

SCHOOL COMMITTEES

Tulane University School of Public Health and Tropical Medicine
2020–2021 Senior Associate Dean Search Committee Member
2019 Dean's Service and Leadership Award Committee
2019, 2021 Delta Omega Poster Contest Judge
2018–2019 Alternate Member-at-Large Grievance Committee
2018–2019 Communications Task Force

DEPARTMENTAL COMMITTEES

Tulane University School of Public Health and Tropical Medicine Department of Epidemiology
2022 Chair, Organizing Committee for the Dr. Paul K. Whelton 75th Birthday Symposium Poster Sessions
2018– Translational Sciences Research Progress Meeting

Harvard T.H. Chan School of Public Health Department of Epidemiology
2014–2016 Student Epidemiologic Methods Forum Treasurer
2014–2016 John Graunt Doctoral Student Society Co-organizer
2012, 2013 Epidemiology Student 'Buddy' Mentor

OTHER SERVICE

Journal and other Peer Review Activities

Journals

American Journal of Epidemiology
Annals of Internal Medicine
BMJ Open
Circulation
Contemporary Clinical Trials Communications
Diabetes Care
Diabetologia
Hypertension
Journal of Diabetes and Its Complications
Frontiers in Cardiovascular Medicine
International Journal of Hygiene and Environmental Health
Obesity
Preventing Chronic Disease
npj Digital Medicine

Conferences

Society for Epidemiologic Research Conference

Funding Agencies Reviewer

2022 National Institutes of Health Study Section; Center for Scientific Review Special Emphasis Panel ZRG1 HSS – G (50); PAR-22-132: Implementation Research to Reduce Noncommunicable Disease Burden in Low- And Middle-Income Countries and Tribal Nations During Critical Life Stages and Key Transition Periods
2020 National Academies of Science, Medicine and Engineering Gulf Research Program Early Career Research Fellowship
2018 National Academies of Science, Medicine and Engineering Gulf Research Program Science Policy Fellowship
2017 National Oceanic and Atmospheric Administration Coastal Resilience Grants Program

Community Partnership Service

Working Group or Taskforce Member

2022 – Present March of Dimes Maternal Health Collective Impact Taskforce – New Orleans Steering Committee and Access to Care Subcommittee
2022 – Present New Orleans Community Health Improvement Plan (CHIP) Chronic Disease Prevention and Management Working Group and Maternal and Child Health Working Group

Collaborative or Coalition Membership

2021 – Present Member of Louisiana Obesity and Diabetes Collaborative
2021 – Present Member of New Orleans Maternal Child Health Coalition

PROFESSIONAL DEVELOPMENT ACTIVITIES

| | |
|----------------|--|
| September 2021 | Tulane University Office of Inclusion and Equity - Equity, Diversity, & Inclusion Trainings: Microaggressions in the Workplace; Workplace Diversity, Inclusion & Sensitivity; Unconscious Bias |
| November 2020 | Global Alliance for Chronic Diseases Implementation Science School |
| July 2020 | Tulane University Center for Engaged Learning & Teaching Online Teaching Training |
| July 2018 | National Institute of Minority Health and Health Disparities Health Disparities Research Institute |
| July 2017 | National Center for Ecological Analysis and Synthesis: Open Science for Synthesis Gulf Research Program Training |

SELECTED SCIENCE WRITING SAMPLES (out of a total of 62)

Nature Medicine, Nature Biotechnology

1. **Dorans K.** “Fewer shots proposed to increase uptake of HPV vaccine” *Nat. Med.* **16**, 832–833 (2010), doi: 10.1038/nm0810-832b. Available (subscription): <http://www.nature.com/nm/journal/v16/n8/full/nm0810-832b.html>.
2. **Dorans K.** “Orphan drug workshops” *Nat. Biotech.* **28**, 389 (2010), doi: 10.1038/nbt0510-389b. Available (subscription): <http://www.nature.com/nbt/journal/v28/n5/full/nbt0510-389b.html>.
3. **Dorans K.** “Outpacing Cancer” *Nat. Med.* **15**, 718–722 (2009), doi:10.1038/nm0709-718. Available (subscription): <http://www.nature.com/nm/journal/v15/n7/full/nm0709-718.html>.

Earthzine (online science magazine)

4. **Dorans K.** “C-MORE Researchers in Hawaii probe marine microbes, train a new cadre of scientists” (*Earthzine*, January 6, 2009). Available (open access): <https://earthzine.org/c-more-researchers-in-hawaii-probe-marine-microbes-train-a-new-cadre-of-scientists-2/>.

The Bulletin (Brookhaven National Laboratory’s weekly newspaper)

5. **Dorans K.** “Programs build mentor and faculty productivity” (August 29, 2008—Special Edition). Available (open access): <https://www.bnl.gov/newsroom/news.php?a=2824>
6. **Dorans K.** “BNL, Dowling, Southern University at New Orleans team fingerprints Pine Barrens’ microbial community” (August 8, 2008). Available (open access): <https://www.bnl.gov/newsroom/news.php?a=1836>.

EQUITY, DIVERSITY AND INCLUSION ACTIVITIES

TEACHING

Instructor

Epidemiology for Public Health (SPHL 6060)

- During an example showing how age-adjusted mortality rates differ between Black and White people in the US, discuss structural reasons for why these differences exist.
- During lecture on Ethics, discuss vulnerable populations and importance of protecting them and also ethical issues related to how they are less likely to be included in research (e.g., less is known about vulnerable populations).
- During lectures on Study Design, emphasize how strict inclusion criteria may make it less likely that results are generalizable to a more diverse population.

Guest Lectures

Guest lecture on “Health Disparities in Diabetes” in Social Epidemiology: Mechanisms of Disparities (EPID 6600) – Spring 2021

- Discussed social determinants of health as related to diabetes incidence and outcomes

Guest lecture on “Epidemiology of Diabetes and Strategies for Diabetes Prevention” in Foundations of Epidemiology (SPHU 3170)

- Discussed social determinants of health at individual, organizational, policy levels as related to diabetes incidence and outcomes

RESEARCH

Project: Strategies for Implementing a Diabetes Prevention Program for Low-Income Women with Recent Gestational Diabetes Mellitus (2021-2022)

In this planning Phase I Maternal Health Community Implementation Project, we are studying community-based implementation of a Diabetes Prevention Program (DPP)-like intervention to low-income women with recent gestational diabetes mellitus who live in the New Orleans, Louisiana region and use in Women, Infants, and Children (WIC) services. This project is focused on reducing maternal health disparities. We are collaborating with a diverse set of community partners on this project including state and local government, WIC clinics, clinicians, DPP coaches, patient advocacy groups, faith-based organizations, and other maternal child health-focused groups. Community partners are involved in the design and conduct of the needs assessment, pilot study, and planning for a large-scale Phase II study.

SERVICE

- As President of the Delta Omega, Eta Chapter at Tulane University School of Public Health and Tropical Medicine, I collaborated with the Delta Omega chapter at the University of South Florida to support Crescent City Family Services in the aftermath of Hurricane Ida. Crescent City Family Services is a community-based non-profit organization located in Jefferson Parish, LA that is dedicated to providing health and nutrition services, referrals and education to women, babies and families.
- Member of Louisiana Obesity and Diabetes Collaborative (2021 – Present)
 - o The mission of this collaborative is to work to improve health outcomes related to obesity and diabetes through advocacy work, including increasing health literacy, connecting patients to programs and services, and increasing awareness of prediabetes and diabetes.

- The Maternal Health Community Implementation project, of which I am Contact PI, was highlighted at a 2021 quarterly meeting of this group.
- Member of New Orleans Maternal and Child Health Coalition (2021 – Present)
 - Mission: to improve outcomes, experiences, and access to quality, respectful care during pregnancy, birth, and the postpartum period by centering the experiences of Black birthing people and their infants in New Orleans.
- March of Dimes Maternal Health Collective Impact Taskforce – New Orleans (Steering Committee and Access to Care subcommittee; 2022 – Present)
 - Goal to support Black families in Greater New Orleans live in supportive and connected communities with optimal conditions to thrive before, during, and after pregnancy
- New Orleans Community Health Improvement Plan (CHIP) Chronic Disease Prevention and Management Working Group and Maternal and Child Health Working Group (2022 – Present)
 - Support in planning the New Orleans 5-year CHIP Sections on Chronic Disease Prevention and Management and Maternal and Child Health.
 - Chronic Disease Prevention and Management Goal: reduce risk for chronic diseases morbidity and mortality by ensuring equitable access to quality, culturally competent, and coordinated care for effective disease management and prevention
 - Maternal and Child Health Goal: address racial disparities in maternal and child health outcomes by increasing access to timely, appropriate, and quality care before, during, and after pregnancy

TRAINING

September 2021 Tulane University Office of Inclusion and Equity - Equity, Diversity, & Inclusion Trainings: Microaggressions in the Workplace; Workplace Diversity, Inclusion & Sensitivity; Unconscious Bias