

**Catherine M. Bulka, PhD**  
**Curriculum Vitae**  
[bulka@usf.edu](mailto:bulka@usf.edu)

**EDUCATION**

- 2014 – 2018 PhD, Occupational and Environmental Epidemiology, School of Public Health, University of Illinois at Chicago
- 2010 – 2012 MPH, Global Epidemiology, Rollins School of Public Health, Emory University
- 2006 – 2010 BA, Biology, College of Arts and Sciences, Emory University

**RESEARCH EXPERIENCE**

- 2022 – Present Assistant Professor, College of Public Health, University of South Florida
- 2018 – 2022 Postdoctoral Research Associate, Department of Environmental Sciences & Engineering, Gillings School of Global Public Health, University of North Carolina at Chapel Hill
- 2015 – 2018 Pre-Doctoral Trainee, Cardiovascular Disease Epidemiology & Related Chronic Diseases in Minority Populations (NHLBI T32 HL12529401), Institute for Minority Health Research, University of Illinois at Chicago
- 2014 – 2015 Pre-Doctoral Trainee, Occupational Safety and Health Education and Research Center (NIOSH T42 OH008672), School of Public Health, University of Illinois at Chicago
- 2012 – 2014 Research Analyst, Department of Anesthesiology, Vanderbilt University Medical Center
- 2012 – 2014 Research Consultant, Lymphoma Program, Winship Cancer Institute, Emory University
- 2010 – 2012 Intern, Influenza Coordination Unit, Centers for Disease Control and Prevention
- 2011 Intern, Office of Surveillance, Epidemiology, and Laboratory Services, Laboratory Science, Policy, and Practice Program Office, Centers for Disease Control and Prevention

**PROFESSIONAL TRAINING**

- 2022 – 2023 Career MODE (Careers through Mentoring and Training in Omics and Data for Early-stage Investigators) Program (NIGMS R25 GM143298)

**HONORS AND AWARDS**

- 2023-2025 National Institutes of Health Extramural Loan Repayment Program for Research in Emerging Areas Critical to Human Health (LRP-REACH) Award
- 2021 U.S. Developmental Origins of Health and Disease (DOHaD) Annual Meeting Scientific Award
- 2020 Top Reviewer, *Journal of Exposure Science and Environmental Epidemiology*
- 2017 University of Illinois at Chicago School of Public Health Annual Research and Practice Day Doctoral Student Poster Award
- 2017 Mary Hanna Memorial Journalism Award from the Journal of PeriAnesthesia Nursing, Research Category: Second Place
- 2015 Illinois Public Health Association Graduate Study in Public Health Scholarship
- 2013 Certificate and Honor Coin in Appreciation of Outstanding Commitment to the Centers for Disease Control and Prevention Response to the 2009 H1N1 Influenza A Pandemic

**TEACHING EXPERIENCE**

**Full Courses**

- Fall 2023 *Introduction to Epidemiology*  
University of South Florida, PHC 4030  
Student Assessment of Instruction (average): 4.48/5

**Guest Lectures**

2022	<i>Beginning the Job Search</i> University of South Florida, HSC 7268: Professional Foundations III
2022	<i>Arsenic and Birth Outcomes</i> University of South Florida, PHC 3302: Introduction to Environmental and Occupational Health
2021	<i>Applications of NHANES for Environmental Health Research</i> University of North Carolina at Chapel Hill, ENVR 240: Undergraduate Research Opportunities Program (UROP) Training Program
2020	<i>Running Regression Models in R: Tips &amp; Tricks</i> University of North Carolina at Chapel Hill, Folt Internship Researching Environmental Health (FIRE) Program
2020	<i>Basics of Modelling: What Does "Run a Model" and "Regression" Mean?"</i> University of North Carolina at Chapel Hill, ENVR 240: Undergraduate Research Opportunities Program (UROP) Training Program
2019	<i>NHANES as a Source of Large Data to Inform Environmentally-Influenced Disease Research</i> University of North Carolina at Chapel Hill, ENVR 630: Systems Biology in Environmental Health
2015, '16, '17	<i>Smoother, Fractional Polynomials, and Splines</i> University of Illinois at Chicago, EPID 594: Applied Methods for the Analysis of Epidemiologic Data
2015	<i>Introduction to Spatial Analysis: GIS, Clustering, and Spatial Regression Modeling</i> University of Illinois at Chicago, EPID 594: Applied Methods for the Analysis of Epidemiologic Data

**PROFESSIONAL AFFILIATIONS AND WORKING GROUPS**

2020 – Present	International Society for Environmental Epidemiology
2019 – Present	Academic Pediatric Association
2018 – Present	Society for Pediatric and Perinatal Epidemiologic Research
2015 – Present	Society for Epidemiologic Research
2018 – 2022	<i>Linking Environmental and Public Health Data to Evaluate Health Effects of Arsenic Exposure from Domestic and Public Supply Wells Working Group (Virtual and In-Person)</i> United States Geological Survey Powell Center, Fort Collins, CO
2020	<i>Environmental Epidemiology Mentoring Team (Virtual)</i> , Society for Epidemiologic Research

**PROFESSIONAL SERVICE****International/National****Ad Hoc Journal Reviewer**

*Aging; American Journal of Epidemiology; Annals of Nutrition and Metabolism; Environmental Health; Environmental Health Perspectives; Environmental Pollution; Environmental Research; Environmental Science & Technology; Environment International; Exposure and Health; Preventing Chronic Disease; Chemosphere; Circulation; Journal of Exposure Science and Environmental Epidemiology; New England Journal of Medicine; Nutrition, Metabolism and Cardiovascular Diseases; Science of the Total Environment*

**Editorial Review Board Member**

2023-	<i>Frontiers in Global Women's Health, Environmental Factors section</i>
2022-	<i>Journal of Exposure Science and Environmental Epidemiology</i>

Grant Reviewer

2022 Nazarbayev University Faculty Development Competitive Research Grants Program

Conference Organizing Committee Member

2023 International Society for Environmental Epidemiology North America Chapter, Corvallis, OR

Conference Abstract Reviewer

2023, '24 Abstract Reviewer, International Society for Environmental Epidemiology North America Chapter Annual Meeting

2020, '21 Abstract Reviewer, International Society for Epidemiologic Research Annual Meeting

2017, '18, '19 Abstract Reviewer, Society for Epidemiologic Research Annual Meeting

**Institutional**Conference Abstract Reviewer

2024 University of South Florida Graduate Student Research Symposium

Faculty Supervisor

2023, '24 University of South Florida, College of Public Health, Perinatal Epidemiology Journal Club

Poster Judge

2023, '24 University of South Florida Health Research Day

Scholarship Reviewer

2022, '23 University of South Florida, College of Public Health, Florida Public Health Student Scholarship

**ACADEMIC ADVISING AND MENTORSHIP**Undergraduate level

2023 Thesis chair for Quynh Anh "Madeline" Nguyen, Judy Genshaft Honors College, University of South Florida

Graduate level

2023- Major professor for Bianca Irimia, College of Public Health, University of South Florida

2023- Co-major professor for Rain Freeman, College of Public Health, University of South Florida

**INVITED LECTURES AND PRESENTATIONS**

- 2023 "Prenatal Exposures to Perfluoroalkyl Substances: Associations with Behavior in Childhood." Oral Presentation at the Annual Meeting of the International Society for Exposure Science, Chicago, IL.
- 2023 "Placental Metal/Metalloid Mixtures and Infant Infections: An NIH ECHO Investigation." Oral Presentation at the Annual Meeting of the International Society for Environmental Epidemiology – North American Chapter, Corvallis, OR.
- 2022 "Leveraging Birth Certificates to Investigate the Health Effects of Prenatal Exposures to Environmental Chemicals." Perinatal Research Seminar, University of South Florida, Tampa, FL.
- 2022 "Trainee Career Pathway: Job Search Tools & How to Pursue Job Opportunities." Panelist at the U.S. Developmental Origins of Health and Disease (DOHaD) Meeting, Minneapolis, MN.
- 2021 "Trash or Treasure: Using Fetal Biospecimens to Investigate the Impacts of Environmental Chemicals." University of South Florida, College of Public Health, College-Wide Lecture, Tampa, FL.
- 2021 "Sexual Differences in Placental Epigenetic Profiles Related to Gestational Age:

- An NIH ECHO Meta-Analysis." Oral Presentation at the U.S. Developmental Origins of Health and Disease (DOHaD) Conference, Chapel Hill, NC.
- 2021 "The Placental Epigenome as a Predictor of Early and Later Life Health in Children." Oral Presentation at the National Institutes of Health Environmental Influences on Child Health Outcomes (ECHO) Virtual Meeting.
- 2021 "Prenatal Exposure to Toxic Metal Mixtures and Risk of Bacterial Sepsis in Extremely Low Gestational Age Newborns." Oral Presentation at the Annual Conference of the International Society for Environmental Epidemiology, New York City, NY.
- 2021 "Trash or Treasure: Using Fetal Biospecimens to Investigate the Impacts of Environmental Chemicals." Vanderbilt University, Epidemiology Center Grand Rounds, Nashville, TN.
- 2021 "Exploring the Role of Prenatal Metal Mixtures Exposures in the Development of Neonatal Bacterial Sepsis: An Analysis of Extremely Preterm Infants." University of New Mexico METALS Superfund Research Program Center, Albuquerque, NM.
- 2021 "The Impact of Environmental Chemicals on Infectious Disease Susceptibility: Leveraging the Human Placenta as a Research Tool." University of Pittsburgh, Environmental and Occupational Health Department Seminar, Pittsburgh, PA.
- 2019 "Arsenic in Private Well Water and Birth Outcomes in the United States: A Semi-Ecologic Study." Academic Pediatric Association Environmental Health Scholars Retreat, Providence, RI.
- 2018 "Dietary Minerals and Metabolic Syndrome: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)." Moderated Poster Presentation at the National Heart, Lung, and Blood Institute Cardiovascular Epidemiology, Biostatistics and Prevention Trainee Session at the American Heart Association EPIILifestyle Scientific Sessions, New Orleans, LA.
- 2017 "Association of Occupational Exposures with Cardiovascular Disease among Hispanics/Latinos: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)." Oral Presentation at the National Heart, Lung, and Blood Institute Cardiovascular Epidemiology, Biostatistics and Prevention Trainee Session at the American Heart Association EPIILifestyle Scientific Sessions, Portland, OR.
- 2017 "Association of Occupational Exposures with Cardiovascular Disease among Hispanics/Latinos." Oral Presentation for the Hispanic Community Health Study/Study of Latinos Monthly Career Development Seminar, Chicago, IL.
- 2017 "Role of Dietary and Environmental Metal Exposures in Metabolic Syndrome." Oral Presentation at the Hispanic Community Health Study/Study of Latinos Chicago Investigators Meeting, Chicago, IL.
- 2016 "Arsenic in Drinking Water and Prostate Cancer in Illinois." Oral Presentation for the Center for Disease Control and Prevention Private Well Community of Practice Webinar, Atlanta, GA.
- 2016 "Occupational Exposures and Metabolic Syndrome among Hispanics/Latinos." Oral Presentation at the Hispanic Community Health Study/Study of Latinos Chicago Investigators Meeting, Chicago, IL.

#### ORIGINAL ARTICLES (\* INDICATES STUDENT MENTEES)

1. Freeman RE\*, Nguyen QA\*, Haaf S, Salemi JL, **Bulka CM** (2024). Florida Red Tides and Adverse Birth Outcomes: Investigating Harmful Algae as a Novel Environmental Exposure. *Environmental Health*, under review.
2. **Bulka CM**, Rajkotwala HM\*, Eaves LA, Gardner AJ, Parsons PJ, Galusha AL, O'Shea TM, Fry RC (2024). Placental Cellular Composition and Umbilical Cord Tissue Metal(loid) Concentrations: A Descriptive Molecular Epidemiology Study Leveraging DNA Methylation. *Placenta* 147: 28-30.

3. **Bulka CM**, Aydogan Mathyk B, Imudia AN (2024). Good and Uninterrupted Sleep may be Better for Eggs: Commentary on Zhang *et al.*, Effect of Obstructive Sleep Apnea on *In Vitro Fertilization* Outcomes in Women with Polycystic Ovarian Syndrome. *Journal of Clinical Sleep Medicine* 20(1); 31-38.
4. Freedman AN, Roell K, Engwell E, **Bulka C**, Kuban KC, Herring L, Mills CA, Parsons PJ, Galusha A, O'Shea TM, Fry RC (2023). Prenatal Exposure to Metals Alters the Placental Proteome in a Sex-Dependent Manner in Extremely Low Gestational Age Newborns. *International Journal of Molecular Sciences* 24(19): 14977.
5. Song AY, **Bulka CM**, Niemiec SS, Kechris K, Boyle KE, Marsit CJ, O'Shea TM, Fry RC, Lyall K, Fallin DM, Volk HE, Ladd-Acosta C (2023). Accelerated epigenetic age at birth and behavioural development in early childhood: A meta-analysis of four prospective cohort studies in ECHO. *Epigenetics* 18(1): 2254971.
6. **Bulka CM**, Everson TM, Burt AA, Marsit CJ, Karagas MR, Boyle KE, Niemiec S, Kechris K, Davidson EJ, Yang IV, Feinberg JI, Volk HE, Ladd-Acosta C, Breton CV, O'Shea TM, Fry RC (2023). Sex-Based Differences in Placental DNA Methylation Profiles Related to Gestational Age: An NIH ECHO Meta-Analysis. *Epigenetics* 18(1): 2179726.
7. Ladd-Acosta C, Vang E, Barrett ES, **Bulka CM**, Bush NR, Cardenas A, Dabelea D, Dunlop AL, Fry RC, Gao X, Goodrich JM, Herbstman J, Hivert MF, Kahn LG, Karagas MR, Kennedy EM, Knight AK, Mohazzab-Hosseini S, Morin A, Niu Z, O'Shea TM, Palmore M, Ruden D, Schmidt RJ, Smith AK, Song A, Spindel E, Trasande L, Volk H, Weisenberger DJ, Breton CV (2023). Analysis of Pregnancy Complications and Epigenetic Gestational Age of Newborns. *JAMA Network Open* 6(2): e230672.
8. Eaves LA, **Bulka CM**, Rager JE, Gardner AJ, Galusha AL, Parsons PJ, O'Shea TM, Fry RC (2023). Metal mixtures modeling identifies birth weight-associated gene networks in the placentas of children born extremely preterm. *Chemosphere* 313: 137469.
9. Ames JL, Burjak M, Avalos LA, Braun JM, **Bulka CM**, Croen LA, Dunlop AL, Ferrara A, Fry RC, Hedderson MM, Karagas MR, Liang D, Lin PD, Lyall K, Moore B, Morello-Frosch R, O'Connor TG, Oh J, Padula AM, Woodruff TJ, Zhu Y, Hamra GB; program collaborators for Environmental influences on Child Health Outcomes (2023). Prenatal exposure to per- and polyfluoroalkyl substances and childhood autism-related outcomes. *Epidemiology*, online ahead of print.
10. Clark J\*, **Bulka CM**, Martin CL, Roell KR, Santos HP Jr, O'Shea TM, Smeester L, Fry RC, Dhingra R (2022). Placental Epigenetic Gestational Aging in Relation to Maternal Sociodemographic Factors and Smoking among Infants Born Extremely Preterm: A Descriptive Study. *Epigenetics* 17(13):2389-2403.
11. **Bulka CM**, Eaves LA, Gardner AJ, Parsons PJ, Galusha AL, Roell KR, Smeester L, O'Shea TM, Fry RC (2022). Prenatal Exposure to Multiple Metallic and Metalloid Trace Elements and the Risk of Bacterial Sepsis in Extremely Low Gestational Age Newborns: A Prospective Cohort Study (2022). *Frontiers in Epidemiology* 2: 958389.
12. **Bulka CM**, Engasser AE\*, Fry RC (2022). Epigenetics at the Intersection of COVID-19 Risk and Environmental Chemical Exposures. *Current Environmental Health Reports* 9(3): 477-389.
13. **Bulka CM**, Scannell Bryan M, Lombard MA, Bartell SM, Jones DK, Bradley PM, Vieira VM, Silverman DT, Focazio M, Toccalino PL, Daniel J, Backer LC, Ayotte JD, Gribble MO, Argos M (2022). Arsenic in private well water and birth outcomes in the United States. *Environment International* 163: 107176.
14. Kresovich JK, **Bulka CM** (2021). Low serum klotho associated with all-cause mortality among a nationally representative sample of American adults. *The Journals of Gerontology, Series A, Biological Sciences and Medical Sciences* 77(3):452-456.
15. Sly PD, Trottier BA, **Bulka CM**, Cormier SA, Fobil J, Fry RC, Kim KW, Kleeberg S, Kumar P, Landrigan PJ, Lodrop Carlsen KC, Pascale A, Polack F, Ruchirawat M, Zar H, Suk WA (2021). The interplay between environmental exposures and COVID-19 risks in the health of children. *Environmental Health* 20(1):34.

16. Lombard MA, Scannell Bryan M, Jones DK, **Bulka C**, Bradley PM, Backer LM, Focazio MJ, Silverman DT, Toccalino P, Argos M, Gribble MO, Ayotte JD (2021). Machine Learning Models of Arsenic in Private Wells Throughout the Conterminous United States as a Tool for Exposure Assessment in Human Health Studies. *Environmental Science & Technology* 55(8):5012-5023.
17. **Bulka CM**, Avula V\*, Fry RC (2021). Associations of Exposure to Perfluoroalkyl Substances Individually and in Mixtures with Persistent Infections: Recent Findings from NHANES 1999-2016. *Environmental Pollution* 275: 116619.
18. Burroughs Peña MS, Uwamungu JC, **Bulka CM**, Swett K, Perreira KM, Kansal MM, Loop Hurwitz BE, Daviglius ML, Rodriguez CJ (2020). Occupational Exposures and Cardiac Structure and Function: The Echocardiographic Study of Latinos (Echo-SOL). *Journal of the American Heart Association* 9(17): e016122.
19. **Bulka CM**, Bommarito PA\*, Aiello AE, Fry RC (2020). Cytomegalovirus Seroprevalence, Recurrence, and Antibody Levels: Associations with Cadmium and Lead Exposures in the General United States Population. *Environmental Epidemiology* 4(4):e100.
20. Karagas MR, Punshon T, Davis M, **Bulka CM**, Slaughter F, Karalis D, Argos M, Ahsan H (2019). Rice Intake and Emerging Concerns on Arsenic in Rice: Rice Intake and Emerging Concerns on Arsenic in Rice: A Review of the Human Evidence and Methodologic Challenges. *Current Environmental Health Reports* 6(4):361-372.
21. Clark J\*, Martin E, **Bulka CM**, Santos HP Jr, O'Shea TM, Fry RC (2019). Associations between placental CpG methylation of metastable epialleles and childhood body mass index across ages one, two and ten in the Extremely Low Gestational Age Newborns (ELGAN) cohort. *Epigenetics* 14(11):1102-1111.
22. Addo K\*, **Bulka CM**, Dhingra R, Santos HP Jr, Smeester L, O'Shea TM, Fry RC (2019). Epigenome-Wide Assessment of Placental DNA Methylation with Maternal Acetaminophen Use During Pregnancy in a Cohort of Extremely Low Gestational Age Newborns. *Environmental Epigenetics* 5(2): dvz010.
23. **Bulka CM**, Bommarito PA\*, Fry RC (2019). Predictors of Toxic Metal Exposures Among US Women of Reproductive Age. *Journal of Exposure Science and Environmental Epidemiology* 29(5):597-612.
24. **Bulka CM**, Santos HP Jr, Smeester L, Dammann O, O'Shea TM, Fry RC (2019). Placental CpG Methylation of Inflammation, Angiogenic, and Neurotrophic Genes and Retinopathy of Prematurity. *Investigative Ophthalmology & Visual Science* 60(8):2888-2894.
25. Freundlich RE, **Bulka CM**, Wanderer JP, Rothman BS, Sandberg WS, Ehrenfeld JM (2019). Prospective Investigation of the Operating Room Time-Out Process. *Anesthesia and Analgesia* 130(3):725-729.
26. **Bulka CM**, Scannell Bryan M, Persky VW, Daviglius ML, Durazo-Arvizu RA, Slavkovich V, Graziano JH, Islam T, Baron JA, Ahsan H, Argos M (2019). Changes in Blood Pressure Associated with Lead, Manganese, and Selenium in a Bangladeshi Cohort. *Environmental Pollution* 248:28-35.
27. **Bulka CM**, Daviglius ML, Persky VW, Durazo-Arvizu RA, Elfassy T, Lash JP, Lee DJ, Ramos AR, Tarraf W, Argos M (2018). Association of Occupational Exposures with Cardiovascular Disease among Hispanics/Latinos: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). *Heart* 105(6):439-448.
28. **Bulka CM**, Daviglius ML, Persky VW, Durazo-Arvizu RA, Argos M (2018). Multiple metal exposures and metabolic syndrome: A cross-sectional analysis of the National Health and Nutrition Examination Survey 2011-2014 *Environmental Research* 24(168):397-405.
29. **Bulka CM**, Daviglius ML, Persky VW, Durazo-Arvizu RA, Aviles-Santa ML, Gallo LC, Hosgood HD, Singer RH, Talavera GA, Thyagarajan B, Zeng D, Argos M (2017). Occupational Exposures and Metabolic Syndrome among Hispanics/Latinos: Cross-Sectional Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). *Journal of Occupational and Environmental Medicine* 59(11):1047-1055.

30. Shen MS, Dodd AC, Lakomkin N, Mousavi I, **Bulka C**, Jahangir AA, Sethi MK (2017). Open Treatment of Ankle Fracture as Inpatient Increases Risk of Complication. *Journal of Orthopaedics and Traumatology* 18(4):431-438.
31. Kresovich JK, **Bulka CM**, Joyce BT, Vokonas PS, Schwartz J, Baccarelli AA, Hibler EA, Hou L (2017). The Inflammatory Potential of Dietary Manganese in a Cohort of Elderly Men. *Biological Trace Element Research* 183(1):49-57.
32. **Bulka CM**, Mabila SL, Lash JP, Turyk ME, Argos M. Arsenic and Obesity: A Comparison of Urine Dilution Adjustment Methods (2017). *Environmental Health Perspectives* 125(8): 087020.
33. Whiting PS, Rice CD, Avilucea FR, **Bulka CM**, Shen MS, Obremskey WT, Sethi MK (2017). Patients at Increased Risk of Major Adverse Events Following Operative Treatment of Distal Radius Fractures: Inpatient versus Outpatient. *Journal of Wrist Surgery* 6(3): 220-226.
34. **Bulka CM**, Davis MA, Karagas MR, Ahsan H, Argos M (2017). The Unintended Consequences of a Gluten-Free Diet. *Epidemiology* 28(3): e24-e25.
35. **Bulka CM**, Ehrenfeld JM (2017). In Reply. *Anesthesiology* 127(1): 198.
36. Chona D, Lakomkin N, **Bulka CM**, Mousavi I, Kothari P, Dodd AC, Shen MS, Obremskey WT, Sethi MK (2017). Predicting the Post-operative Length of stay for the Orthopaedic Trauma Patient. *International Orthopaedics* 41(5): 859-868.
37. **Bulka CM**, Nastoupil LJ, Koff JL, Bernal-Mizrachi L, Ward KC, Williams JN, Bayakly AR, Switchenko JM, Waller LA, Flowers CR (2016). Relations Between Residential Proximity to EPA-Designated Toxic Release Sites and Diffuse Large B-Cell Lymphoma Incidence. *Southern Medical Journal* 109(10): 606-614.
38. **Bulka CM**, Jones RM, Turyk ME, Stayner LT, Argos M (2016). Arsenic in Drinking Water and Prostate Cancer in Illinois Counties. *Environmental Research* 148: 450-456.
39. Dodd AC, Lakomkin N, **Bulka CM**, Thakore R, Collinge CA, Sethi MK (2016). Geographic Variations in Orthopedic Trauma Billing and Reimbursements for Hip and Pelvis Fractures in the Medicare Population. *Journal of Orthopaedics* 25; 13(4): 264-267.
40. **Bulka CM**, Terekhov MA, Martin BJ, Dmochowski RR, Hayes RM, Ehrenfeld JM (2016). Nondepolarizing Neuromuscular Blocking Agents, Reversal, and Risk of Postoperative Pneumonia. *Anesthesiology* 125(4): 647-655.
41. Dodd AC, **Bulka CM**, Jahangir A, Mir HR, Obremskey WT, Sethi MK (2016). Predictors of 30-day Mortality Following Hip/Pelvis Fractures. *Orthopaedics & Traumatology, Surgery & Research* 102(6): 707-710.
42. Dodd AC, Lakomkin N, Attum B, **Bulka CM**, Karhade AV, Douleh DG, Mir H, Jahangir AA, Obremskey WT, Sethi MK (2016). Predictors of Adverse Events for Ankle Fractures: An Analysis of 6800 Patients. *Journal of Foot and Ankle Surgery* 55: 762-766.
43. Switchenko JM, **Bulka CM**, Ward KC, Koff JL, Bayakly AR, Ryan PB, Waller LA, Flowers CR (2016). Resolving uncertainty in the spatial relationships between passive benzene exposure and risk of non-Hodgkin lymphoma. *Cancer Epidemiology* 41: 139-151.
44. Beazley B, **Bulka CM**, Landsman IS, Ehrenfeld JM (2016). Demographic Predictors of NPO Violations in Elective Pediatric Surgery. *Journal of PeriAnesthesia Nursing* 31(1): 36-40.
45. **Bulka CM**, Shotwell MS, Ehrenfeld JM (2015). Reply to Dr Bhatia. *Regional Anesthesia and Pain Medicine* 40(1): 86-87.
46. Thakore RV, Greenberg SE, **Bulka CM**, Ehrenfeld JM, Obremskey WT, Sethi MK (2015). Geographic Variations in Hospital Charges and Medicare Payments for Major Joint Replacement. *The Journal of Arthroplasty* 30(5): 728-732.
47. **Bulka CM**, Wanderer JP, Ehrenfeld JM (2014). Anesthesia technique and outcomes after hip fracture surgery. *Journal of the American Medical Association* 312(17): 1801.

48. **Bulka CM**, Shotwell MS, Gupta RK, Sandberg WS, Ehrenfeld JM (2014). Regional Anesthesia, Time to Hospital Discharge, and In-Hospital Mortality: A Propensity Score Matched Analysis. *Regional Anesthesia and Pain Medicine* 39(5): 381-386.
49. McDonald MR, Thakore R, Obremsky W, **Bulka CM**, Ehrenfeld JM, Jahangir A, Sethi MK (2014). Ankle Radiographs in the Early Postoperative Period: Do They Matter? *Journal of Orthopaedic Trauma* 28(9): 538-541.
50. Corey J, **Bulka CM**, Ehrenfeld JM (2014). Is Regional Anesthesia Associated with Reduced PACU Length of Stay? A Retrospective Analysis from a Tertiary Hospital. *Clinical Orthopaedics and Related Research* 472(5): 1427-1433.
51. **Bulka CM**, Cassidy EA, Sandberg WS, Ehrenfeld JM (2013). A Survey of Modified Rapid Sequence Induction and Intubation in Canadian Academic Centers. *Journal of Clinical Anesthesia* 25(6): 515-516.
52. **Bulka CM**, Nastoupil LJ, McClellan W, Ambinder AJ, Phillips A, Ward KC, Bayakly R, Switchenko JM, Waller L, Flowers CR (2013). Residence proximity to benzene release sites is associated with increased incidence of non Hodgkin lymphoma. *Cancer* 119(18): 3309-3317.

### CONFERENCE PROCEEDINGS

1. **Bulka CM**, Eaves LA, Parson PJ, Galusha AL, O'Shea TM, Fry RC (2021). Prenatal Exposure to Toxic Metal Mixtures and Risk of Bacterial Sepsis in Extremely Low Gestational Age Newborns. *Environmental Health Perspectives*. ISEE Conference Abstracts.
2. **Bulka CM**, Daviglius ML, Persky VW, Durazo-Arvizu RA, Elfassy T, Lash JP, Lee DJ, Ramos AR, Tarraf W, Argos M (2017). Association of Occupational Exposures with Cardiovascular Disease among Hispanics/Latinos: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). *Circulation* 135(Suppl 1): 072.
3. **Bulka CM**, Mabila S, Turyk ME, Argos M (2016). Inverse Associations Between Inorganic Arsenic and Obesity: Findings from the National Health and Nutrition Examination Survey. *Circulation* 133(Suppl 1): 064.
4. **Bulka CM**, Nastoupil LJ, Koff J, Bernal L, Ward K, Bayakly R, Switchenko J, Waller L, Flowers CR (2013). Relationship Between Residential Proximity to Environmental Protection Agency (EPA) Designated Toxic Release Sites and the Risk of Diffuse Large B-Cell Lymphoma (DLBCL). *Blood* 122(21): 1684.
5. **Bulka CM**, Nastoupil LJ, Switchenko J, Ward, K, Bayakly R, Waller L, Flowers CR (2013). Spatial Epidemiology of Chronic Lymphocytic Leukemia and Small Lymphocytic Lymphoma in the State of Georgia. *Blood* 122(21): 1683.
6. **Bulka CM**, Nastoupil LJ, McClellan W, Ambinder A, Phillips A, Ward K, Switchenko JM, Bayakly R, Waller L, Flowers CR (2012). Residence Proximity to Benzene Release Sites is Associated with Increased Incidence of Non-Hodgkin Lymphoma. *Blood* 120(21): 2710.

### POSTER PRESENTATIONS

1. **Bulka CM**, Eaves LA, Gardner AJ, Parsons PJ, Galusha AL, O'Shea TM, Fry RC (2022). Placental Cellular Composition and Umbilical Cord Metal Concentrations: A Descriptive Molecular Epidemiology Study Leveraging DNA Methylation. International Society for Environmental Epidemiology Virtual Conference.
2. **Bulka CM**, Scannell Bryan M, Lombard MA, Bartell SM, Jones D, Bradley P, Veira V, Silverman D, Focazio M, Toccalino P, Ayotte J, Gribble MO, Argos M (2020). Arsenic in Private Well Water and Birth Outcomes in the United States. International Society for Environmental Epidemiology Virtual Conference.
3. **Bulka CM**, Bommarito PA, Fry RC (2019). Associations of Toxic Metal Biomarkers with Cytomegalovirus in the US Population. Society for Epidemiologic Research Annual Meeting, Minneapolis, MN.
4. **Bulka CM**, Sotres-Alvarez D, Daviglius ML, Persky VW, Durazo-Arvizu RA, Mossavar-Rahmani Y, Argos M (2018). Essential Metals and Metabolic Syndrome: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). Society for Epidemiologic Research Annual Meeting, Baltimore, MD.



5. **Bulka CM**, Sotres-Alvarez D, Daviglius ML, Persky VW, Durazo-Arvizu RA, Mossavar-Rahmani Y, Argos M (2018). Dietary Minerals and Metabolic Syndrome: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). American Heart Association EPIILifestyle Scientific Sessions, New Orleans, LA.
6. **Bulka CM**, Scannell Bryan M, Durazo-Arvizu R, Slavkovich V, Graziano JH, Islam T, Yunus M, Ahsan H, Argos M (2017). Metal Exposures and Blood Pressure Changes in a Bangladeshi Cohort. Society for Epidemiologic Research Annual Meeting, Seattle, WA.
7. **Bulka CM**, Daviglius ML, Persky VW, Durazo-Arvizu RA, Elfassy T, Lash JP, Lee DJ, Ramos AR, Tarraf W, Argos M (2017). Association of Occupational Exposures with Cardiovascular Disease among Hispanics/Latinos: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). American Heart Association EPIILifestyle Scientific Sessions, Portland, OR.
8. **Bulka CM**, Mabila S, Turyk ME, Argos M (2016). Creatinine Collider Bias: A Case Study of Urinary Inorganic Arsenic and Obesity. Epidemiology Congress of the Americas, Miami, FL.
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## BOOK CHAPTERS

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## MEDIA COVERAGE

1. "High Cancer Rates in Areas Near Refineries and Industrial Plants: Why is Benzene Getting into the Environment?" Interview with Jonathan Weiss, *Medical Daily*, July 29, 2013.
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