

**Brettania O'Connor, PhD, MPH, ACUE**  
Curriculum Vitae

**Physical Location**

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Northern Arizona University  
Flagstaff, AZ 86011  
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**CURRENT POSITIONS**

2021-Present Master of Public Health (MPH) Program Director  
2024-Present Associate Clinical Professor, Public Health  
2018-2024 Assistant Clinical Professor, Public Health  
Department of Health Sciences, Northern Arizona University

2018-Present Adjunct Assistant Professor- Public Health Leadership Program  
2019-Present Adjunct Faculty- MPH@UNC  
Gillings School of Global Public Health  
The University of North Carolina at Chapel-Hill

**EDUCATION**

2017 University of North Carolina at Chapel Hill  
Gillings School of Global Public Health Chapel Hill, NC, USA

□ PhD, Epidemiology

□ Dissertation: Initiation, Retention and Survival in HIV Clinical Care: Effect of Rural Residence

2004 The George Washington University Washington D.C.,  
USA

□ Master of Public Health (MPH), Environmental & Occupational Health

□ Thesis: Effects of Maternal Intestinal Parasitic Infection on Infant Birth Outcomes in the Municipality of Viçosa, Minas Gerais, Brazil.

2003 The George Washington University Washington D.C.,  
USA

□ Graduate Certificate in International Health Policy

2001 George Mason University Fairfax, VA, USA

□ 12 graduate credits in biology completed, non-degree program

1999 George Mason University Fairfax, VA, USA

□ B.S. Biology

**OTHER TRAINING**

2022-2023 Northern Arizona University, Certificate in Effective Writing Instruction.

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2019- 2020 American College of University Educator's (ACUE) Course. Earned the certificate in Effective Teaching Practices.

### **EXPERIENCE**

Northern Arizona University,  
Department of Health Sciences  
Flagstaff, AZ, USA

**MPH Program Director**, 2021-Present

**Associate Clinical Professor**, 2024-Present

**Assistant Clinical Professor**, 2018-2024

**Teaching:** Courses taught include epidemiology and environmental health (undergraduate) and introduction to public health, biostatistics, research methods, chronic disease epidemiology, health policy, and environmental and occupational health (graduate)

**Service:** Program Director for the MPH Program. Service on NAU committees and programs include the NAU Public Health Advisory Council, MPH committee, Public Health committee, Allied/Online Public Health Committee, Interdisciplinary PhD Program, various faculty search committees, the Retention and Recruitment Task Force committee, the Faculty Status Committee, the Research committee, the Pedagogy Think Tank, Indigenous Health Think Tank, and the Mindfulness Think Tank. I have also served on the Women's Health Task Force for Coconino County.

**Research:** Currently working on 1) a systematic literature review on the topic of e-health interventions to improve maternal and child health, 2) a study of Valley Fever in Northern Arizona and 3) projects on COVID-19 for Northern Arizona.

University of North Carolina at Chapel Hill,  
Gillings School of Global Public Health,  
Department of Epidemiology and Public Health Leadership Program  
Chapel Hill, NC, USA

**MPH@UNC Adjunct Faculty**, teaching SPHG 712 Methods and Measures, 2018-present

**Adjunct Assistant Professor**, teaching EPID 758, Principles and Methods of Applied Infectious Disease Epidemiology, Public Health Leadership Program, 2014-present.

**Teaching Assistant**, for EPID 758, Principles and Methods of Applied Infectious Disease Epidemiology, 2010-2013

**Teaching Assistant**, for UNC's massive online open course (MOOC) titled Epidemiology: The Basic Science of Public Health, 2014

**Teaching Assistant**, for EPID 759, Methods in Field Epidemiology, 2011-2012

**Teaching Assistant**, for EPID 750, Fundamentals of Public Health Surveillance, 2010, 2011, 2014

**Teaching Assistant**, for EPID 600, Principles of Epidemiology for Public Health, 2006

The George Washington University,  
Department of Environmental and Occupational Health  
Washington DC, USA

**Teaching Assistant**, for Introduction to Environmental and Occupational Epidemiology, 2002-2003

□ Duties for professor/course instructor and teaching assistant positions include creating course content, setting up the courses online, teaching course content, facilitating group discussions, reviewing students' case studies and assignments, evaluating and grading group and individual projects, participating in meetings online or in person, giving lectures online or in person, answering students' questions, meeting with guest-lecturers and small-group instructors to plan the course, and developing and updating course materials, including adding new global content. For in-person courses, duties also included presenting lectures on material and administering review sessions.

### **ACCREDITATION, CURRICULUM, COURSE, and PROJECT/REPORT DEVELOPMENT EXPERIENCE**

2018-present Northern Arizona University, Department of Health Sciences Flagstaff, Arizona, USA

#### **Accreditation:**

□ 2021- present: Chair of the accreditation committee working towards the Council on Education for Public Health (CEPH) accreditation for the MPH Program.

#### **Course Development:**

- 2020: Developed a field epidemiology bootcamp for working professionals and students
- 2020: Co-developed a new undergraduate course on pandemics
- 2019-2020: Completely revised NAU's HS 404 Principles of Epidemiology course
- 2018-2019: Developed 2 new graduate courses for NAU's new MPH program

2018 Northern Arizona University, Department of Health Sciences Flagstaff, Arizona, USA

#### **Curriculum Developer:**

##### **Innovative Teaching Methods for Competency-Based Education**

□ Worked on a summer contract to develop a training module for faculty on innovative teaching methods that can be used in a competency-based MPH program.

2017-2018 University of North Carolina-Chapel Hill, North Carolina Institute for Public Health and the Center for Disease Control and Prevention (CDC)

Remote/Online

#### **Consultant and Curriculum/Workshop Developer:**

##### **Detection and Response to Novel Influenza Viruses. Best Practices Training Development.**

- Worked on a contract for UNC with the Center for Disease Control and Prevention (CDC)
- Went through all expert content for a November 2017 international 11-country workshop held in Bangkok, Thailand in order to prepare material for the international training workshop on novel influenza. Duties included editing material, preparing new interactive content and discussion questions to go with the material, preparing facilitator training guides, preparing student training guides, assisting in case

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study development, writing answer guides to go along with workshop content, and developing evaluation materials.

- Supervisory duties for 2 other employees on the contract. Supervisory duties include deciding and delegating key tasks for completion, helping to facilitate team meetings, and ensuring deliverables were met on time.
- Adapted workshop content based on feedback from workshop participants to produce global training materials on novel influenza.
- Worked on an international team in partnership with many organizations including UNC, the CDC, the World Health Organization (WHO), the World Organization for Animal Health (OIE), and the Association of Public Health Laboratories (APHL).

2015                                      University of North Carolina-Chapel Hill,                                      Chapel Hill, North Carolina,  
Department of Epidemiology  
USA

**Curriculum Development: Epidemiological Research and Information Center (ERIC) Notebooks**

- Assisted with updating and developing new content for 16 Epidemiological Research and Information Center (ERIC) Notebooks. <http://sph.unc.edu/nciph/eric/>
- Topics included: Incident vs Prevalent Cases and Measures of Occurrence; Common Statistical Tests and Applications in Epidemiological Literature; Common Measures and Statistics in Epidemiological Literature; Calculating Person Time; Case Control Studies; Cohort Studies; Risk and Rate Measures in Cohort Studies; Cross Sectional Studies; Ecologic Studies; Randomized Controlled Trials; Confounding Bias parts I and II; Selection Bias; Information Bias and Misclassification; Causality; and Assessment of Diagnostic and Screening Tests.

2013                                      University of North Carolina-Chapel Hill,                                      Chapel Hill, North Carolina,  
North Carolina Institute for Public Health  
USA

**Curriculum Development: I is for Investigation Workbook on Outbreak Investigations**

- Assisted with updating and developing new content and pre and post-tests for the "I is for Investigation" workbook. <http://sph.unc.edu/nciph/i-is-for-investigation/>
- Topics included: Recognizing an Outbreak; Study Design; Designing Questionnaires; Interviewing Techniques; Analyzing Data; Writing an Outbreak Report; and Risk and Crisis Communication.

2013                                      University of North Carolina-Chapel Hill,                                      Chapel Hill, North Carolina,  
Department of Epidemiology  
USA

**Course Development / Research Assistant**

- Research assistant for UNC's massive online open course (MOOC) titled Epidemiology: The Basic Science of Public Health. Duties included researching key topics for the course and developing course materials.

2012                                      University of Missouri, School of Health Professions                                      Columbia, Missouri,  
USA

**Program Development / Consultant**

- Developed an initial proposal for a strategic plan for the future development of online Master of Public Health course delivery at the University of Missouri.

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2011 University of North Carolina-Chapel Hill, Department of Epidemiology Chapel Hill, North Carolina, USA

**Course Development / Research Assistant**

□ Research assistant for UNC's online course EPID 750, Fundamentals of Public Health Surveillance. Duties included revising and globalizing course materials for future semesters by adding international infectious disease content, data, literature and projects to the course.

2006 World Wide Fund for Nature (WWF), European Policy Office Brussels, Belgium

**Environmental Toxicology Consultant / Event Planning / Report Preparation**

- Wrote a report on health effects linked to chemical exposures in arctic wildlife species
- Planned a political event held in Brussels, in collaboration with arctic indigenous organizations, to lobby for changes in European chemical legislation to protect public health
- Edited, designed, and contributed to a report on contamination of the Mediterranean Sea

**RESEARCH EXPERIENCE**

2018-present Northern Arizona University, Department of Health Sciences Flagstaff, Arizona, USA

**Current Research Projects:**

- Use of e-health technology to improve maternal and child health
- An ecohealth approach study of Valley Fever in Northern Arizona
- Various projects on COVID-19 specific to Northern Arizona

2012-2017 University of North Carolina-Chapel Hill, Department of Epidemiology Chapel Hill, North Carolina, USA

**Principal Research Investigator**

- Developed and conducted original clinical cohort doctoral research on the association between rural residence and HIV clinical care initiation, retention and survival.
- Duties included study planning, study design, proposal writing, preparation and submission of IRB documents, data abstraction from multiple clinical sources, data cleaning and checking, statistical coding, preparation of coding manuals, data analyses, manuscript writing, preparation and submission.

2007-2008 University of North Carolina-Chapel Hill, Department of Epidemiology Chapel Hill, North Carolina, USA

**Research Assistant**

- Participated in quantitative and qualitative research on agricultural land application of sewage sludge and associated health effects among nearby residents in rural North Carolina and Virginia. Job duties included involvement in community workshops and discussions; general study planning; preparation of study questionnaires, instruments, coding manuals, recruitment brochures, informed consent forms, and other IRB documents; and record review and abstraction.

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Summer 2007                      Tropical Disease Institute,  
Tropical Disease Biology Workshop,  
Ohio University

Ecuador

**Research Volunteer**

- Participated in infectious disease field research in several remote Amazon rainforest and coastal river communities in Ecuador
- Collected and tested drinking water samples for pathogens and chemical contamination
- Collected and identified mosquito larvae species
- Conducted qualitative verbal interviews with community members to obtain data on water contamination; cases of diarrheal disease, dengue, and malaria; demographics; behavior; and perceptions of illness
- Conducted GIS mapping of mosquito breeding sites, water sources, community locations and infrastructure
- Participated in research design and training prior to working in Ecuador and participated in data analysis

2007                                      University of North Carolina-Chapel Hill,  
Carolina Population Center                                      Chapel Hill, North Carolina,

USA

**Research Assistant**

- Researched standard indicators that can measure inter-relationships between health and the environment and wrote a module that can be used to monitor and evaluate international environmental health. This module is part of an international population-health-environment field guide that was developed in partnership with many environmental and health organizations.

2006                                      Prefeitura Municipal de Viçosa                                      Viçosa, Minas Gerais,  
Brazil

**Research Volunteer**

- Research on risk factors for low birth weight and premature infants; and on soil and water-borne intestinal parasitic infections in pregnant women

2004-2006                              World Wide Fund for Nature (WWF),  
International Arctic Programme                                      Oslo, Norway

**Toxics Project Coordinator, Researcher and Consultant on Climate Change & Health**

- Research and advocacy work on causes, effects, and solutions related to pollution of the arctic ecosystem, wildlife, and indigenous families
- Close collaboration, projects and advocacy work with other NGOs, WWF organizations in other countries, government agencies, scientists, and indigenous peoples' organizations
- Management of a grants program to fund arctic toxics research and management of research projects
- Leader for WWF's Global Toxics Programme milestone on toxics ecoregional work and field/ community-based projects
- Regular participation in international conferences and working groups related to toxics issues, as well as other public health and environmental issues (e.g. climate change, fisheries, ecotourism, protected areas, oil and gas, sustainable development, endangered species)

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- International media work in close collaboration with other WWF country offices, including writing press releases and giving radio, newspaper and television interviews
- Political lobbying work, primarily targeted at the European Union level in Brussels
- Consultancy work on climate change; effects on ecosystem, wildlife, and human health; and adaptive measures to promote health and well-being

2003-2004                      Prefeitura Municipal de Viçosa                      Viçosa, Minas Gerais,  
Brazil

**Principal Research Investigator**

- Conducted research on risk factors for low birth weight and premature infants; and on soil and water-borne intestinal parasitic infections in pregnant women
- Worked on the study "A retrospective case-control study of the association between maternal parasitic infection and infant low birth weight in the municipality of Viçosa, Minas Gerais, Brazil" in partial fulfillment of the Master of Public Health (MPH) degree
- Worked in close collaboration with the local government health department, department of epidemiology, university, and community.

2003                                      Alexandria Health Department,                                      Alexandria, Virginia, USA  
Division of Environmental Health

**Community outreach worker and researcher for Arbovirus Prevention Program (internship)**

- Conducted community outreach and education on mosquito-borne illness prevention through fieldwork, a telephone hotline and participation in special events
- Developed communications materials and gave community presentations, and media interviews
- Participated in monthly community working group meetings and met regularly with neighboring health departments to plan mosquito control and disease prevention activities

2002                                      The Futures Group International                                      Washington D.C., USA

**Researcher on the topics of gender and international reproductive health (internship)**

- Worked on the USAID sponsored POLICY Project, a project to promote access to family planning and reproductive health services and to address maternal health policy issues
- Conducted research on and assisted in writing a guide for policy makers in different country settings on effective reproductive health interventions covering safe motherhood, gender-based violence, human rights, sexually transmitted diseases, HIV/AIDS, perinatal disease transmission, malaria in pregnancy, and co-infection with HIV and tuberculosis
- Participated in interagency working groups related to gender issues and reproductive health

2001-2002                      Marion duPont Scott Equine Medical Center,                      Leesburg, Virginia, USA  
VA-MD College of Veterinary Medicine

**Research Volunteer**

- Worked on a randomized clinical trial of effects of intravenous fluid therapy versus enteral fluid therapy on horses as a treatment for colon impactions and gastrointestinal disease
- Assisted veterinarians in care of horses and manuscript writing in preparation for publication

2000–2002                      The National Cancer Institute, Center for Cancer Research,                      Bethesda, Maryland, USA  
The National Institutes of Health (NIH)

**Cancer Research Fellow in the Laboratory of Cellular Carcinogenesis and Tumor Promotion, Carcinogen-DNA Interactions Section (2-year fellowship)**

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- Analyzed blood and tissue samples from the Women and Infants Transmission Study for toxicity due to nucleoside analogue (NA) drugs used to prevent perinatal HIV transmission
- Studied mitochondrial toxicity and adduct formation in human cell lines treated with NA drugs
- Assisted in an environmental carcinogenesis study investigating polycyclic aromatic hydrocarbon exposure and esophageal cancer
- Assisted in manuscript writing and review of submitted publications

### **OTHER WORK EXPERIENCE**

1999–2000                      Shenandoah's Pride Dairy Laboratory                      Annandale, Virginia, USA

#### **Laboratory technician**

- Analyzed all products for bacterial, mold and antibiotic contamination
- Worked with local health department and authorities to ensure final product safety

### **AWARDS / HONORS**

- Innovator of the Year Award, Health Sciences Department, Northern Arizona University. 2024.
- Innovator of the Year Award, Health Sciences Department, Northern Arizona University. 2021.
- Foreign Language and Area Studies Scholarship in Brazilian Portuguese, United States Department of Education. 2008-2009
- National Institutes of Health, United States Public Health Service Predoctoral Traineeship, Environmental Epidemiology Training Grant. 2006-2008
- The George Washington University website view book (chosen as 1 of 3 students/alumni to profile to represent the Department of Environmental & Occupational Health). 2006
- The George Washington University newsletter (chosen as 1 of 4 students/alumni whose international research was profiled in a "Going Global" section). January-February 2006
- American Public Health Association (APHA), Environment Section, Student Poster Showcase at APHA annual meeting, 3rd place for poster titled "Intestinal Parasitic Infections Among Pregnant Women in Southeast Brazil". November 2004
- Student Achievement Award Winner. American Public Health Association, Environment Section, APHA annual meeting. November 2004
- Delta Omega Public Health Honor Society Induction. May 2004
- Excellence in Special Projects Award, The George Washington University, Department of Environmental and Occupational Health. May 2004
- Cancer Research Training Award, National Institutes of Health, 2000-2002



## **OTHER SKILLS / EXPERIENCE**

### **☐ Computer and online teaching:**

- Microsoft Word, Excel, PowerPoint, Access; SAS Statistical Programming/Data Analysis. Also basic ability in STATA Programming/Data Analysis and EpiInfo.
- Experience setting up courses and teaching online courses using Zoom, Bb Learn, Blackboard and Sakai.
- Experience with online video-teaching or conferencing including Elluminate Live, Blackboard Collaborate, Collaborate Ultra, Zoom, etc.

### **☐ Media:**

- Participated in public health media training and experience with talking with the media about public health issues

### **☐ Languages:**

- Fluent, native English
- Fluent in Brazilian Portuguese (speaking, understanding, reading, writing)
- Basic understanding and reading ability in Spanish

## **PARTICIPATION IN WORKING GROUPS, TRAININGS AND CONFERENCES**

- ☐ Epidemiology Bootcamp. Northern Arizona University. 2020.
- ☐ American College of University Educator's (ACUE) Course. Certificate Credential in Effective Teaching Practices. 2019-2020.
- ☐ Detection and Response to Novel Influenza Viruses. Best Practices Training Development. Bangkok, Thailand. Assisted with developing all workshop content. (November 2017)
- ☐ 2U Platform demo and working group meeting about online MPH program development. University of North Carolina-Chapel Hill. (September 2017)
- ☐ Student Representative, International Society for Ecosystem Health (2009-2010)
- ☐ Conference on the Ecology and Evolution of Infectious Diseases. The University of Georgia. Athens, Georgia, USA (May 2009)
- ☐ International EcoHealth Forum. Merida, Mexico (December 2008)
- ☐ First United Nations Conference of the Parties of the Stockholm Convention on Persistent Organic Pollutants. Punta del Este, Uruguay (May 2005)
- ☐ WWF International Toxics Programme Working Groups. Gland, Switzerland (September 2004 and October 2005) and Rome, Italy (February 2005)
- ☐ Arctic Council Working Group on Brominated Flame Retardants. Oslo, Norway (February 2005)
- ☐ Arctic Council Action Plan to Eliminate Pollutants. Helsinki, Finland (October 2004) and Stockholm, Sweden (March 2005)
- ☐ ERICA project on radioactive contaminants. Stockholm, Sweden (May 2004) and Aix-en-Provence, France (September 2004)
- ☐ Russian Persistent Toxic Substances Project, Arctic Monitoring and Assessment Programme. Moscow, Russia (June 2004)
- ☐ Barents Sea ecoregion conservation workshop. Oslo, Norway (June 2004)

**POSTERS or ABSTRACTS (former last name was Walker)**

- Romoser M, O'Donnell J, Taylor C, Magee M, Klingler C, Lopes BLW, Bates B, James A, Sempertegui C, Lascano M, Grijalva MJ, Romoser WS. An interview-based survey of perceptions about water sources, availability, use, and safety in six rural Ecuadorian communities. 56<sup>th</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene. November 2007.
- Romoser M, O'Donnell J, Taylor C, Magee M, Klingler C, Lopes BLW, Bates B, James A, Sempertegui C, Lascano M, Grijalva MJ, Romoser WS. An assessment of drinking water contamination and container-breeding mosquito habitats, in six rural Ecuadorian communities. 56<sup>th</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene. November 2007.
- Intestinal parasitic infections among pregnant women in southeast Brazil. Walker BL, Parkin RT, Vitor CFH. 132<sup>nd</sup> Annual Meeting of the American Public Health Association: Public Health and the Environment. Washington, D.C., USA. November 2004
- Effects of maternal intestinal parasitic infection on infant birth outcomes in southeast Brazil. Walker BL, Parkin RT, Vitor CFH. 132<sup>nd</sup> Annual Meeting of the American Public Health Association: Public Health and the Environment. Washington, D.C., USA. November 2004
- Treatments to promote colonic hydration in horses: enteral fluid therapy versus IV fluid therapy + magnesium sulfate. Lopes MAF, Walker BL, White NA, Ward DA. The American College of Veterinary Surgeons Annual Symposium. San Diego, California, USA. October 2002
- Treatments to promote colonic hydration in horses: enteral fluid therapy versus IV fluid therapy + magnesium sulfate. Lopes MAF, Walker BL, White NA, Ward DA. The Seventh International Colic Research Symposium. Manchester, England. July 2002
- In utero anti-retroviral nucleoside analog drug exposure. Walker BL, Divi R, Nagashima K, Poirier M. Post baccalaureate Poster Day, National Institutes of Health. Bethesda, Maryland, USA. May 2002
- Genotoxicity of antiretroviral nucleoside analog drug combinations. Olivero OA, Tejera A, Fernandez J, Walker BL, Poirier MC. 8<sup>th</sup> International Conference on Environmental Mutagens. Shizuoka, Japan. October 2001

**ORAL PRESENTATIONS OR SEMINARS (former last name was Walker)**

- Lessons from the Pandemic: Health Messaging, Culture and Pandemic Response. Arizona Biomedical Research Centre (ABRC) / NAU Center for Health Equity Research / ASU's Walter Cronkite School of Journalism and Mass Communication. Flagstaff, Arizona. March 25, 2023.
- Climate & Justice, Climate and Equity. Climate & Justice Teach-in. NAU. Flagstaff, Arizona. March 30, 2022.
- Food Sovereignty, Food Deserts: Indigenous Environmental Justices of Public Health. Oral Presentation. Northern Arizona University. 2019.
- Initiation, Retention and Survival in HIV Clinical Care: Effect of Rural Residence. Dissertation defense and presentation for the University of North Carolina-Chapel Hill, Department of Epidemiology. August, 2017
- Infecções parasitárias maternas e seus efeitos na ocorrência de Baixo Peso ao Nascer e prematuridade em Viçosa. Walker BL. Community presentation on the results of my Master's thesis (given in Portuguese) at the Serviço Municipal de Vigilância Epidemiológica, Secretaria Municipal de Saúde de Viçosa, Minas Gerais, Brazil. (English translation: Maternal parasitic infections and effects on the occurrence of low birth weight and prematurity in Viçosa) June 1 and 3, 2005

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- The tip of the iceberg: Chemical Contamination of the Arctic. Walker BL. Seminar to Members of European Parliament. European Union Parliament. Brussels, Belgium. February 16, 2005
- Effects of maternal intestinal parasitic infection on infant birth outcomes in southeast Brazil. Walker BL, Parkin RT, Vitor CFH. Oral presentation, 132nd Annual Meeting of the American Public Health Association: Public Health and the Environment. Washington, D.C., USA. November 2004
- Pollution of the Arctic Environment. Walker BL. Weekly seminar of the Department of Environmental and Occupational Health, The George Washington University. Washington, D.C., USA. 2004
- Effects of Maternal Intestinal Parasitic Infection on Infant Birth Outcomes in the Municipality of Viçosa, Brazil. Walker BL. Weekly seminar of the Department of Environmental and Occupational Health, The George Washington University. Washington, D.C., USA. 2004

### **PUBLICATIONS (former last name was Walker Lopes)**

#### **In preparation:**

- O'Connor BLW, Mugavero MJ, Eron J., Miller W, Napravnik S. *HIV Care Retention and Survival Among Rural and Urban Patients in the Southeastern United States, 1996 to 2012*. In preparation for Journal of Acquired Immune Deficiency Syndromes. (Refereed Article)

#### **Published:**

- Mead HL, Kollath D, Teixeira M, Roe CC, Keim PK, Plude C, Terriquez J, Nandurkar N, Donohoo C, O'Connor BLW, Barker B. Disease Triangle Dynamics of Coccidioidomycosis in Northern Arizona. *mSphere*. 2022 Oct 26;7(5). (Refereed Article)
- Lopes BLW, Mugavero MJ, Eron J, Miller W, Napravnik S. *HIV Care Initiation Delay among Rural Residents in the Southeastern United States*. 2017. *Journal of Acquired Immune Deficiency Syndromes (JAIDS)*. Oct 1;76(2):171-176. (Refereed Article)
- Lopes BLW. *Initiation, Retention and Survival in HIV Clinical Care: Effect of Residence*. Dissertation for the University of North Carolina at Chapel Hill, Department of Epidemiology. August 2017.
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Incident vs Prevalent Cases. *Epidemiologic Research and Information Center (ERIC) Notebook*. Second Edition. 2015. [https://sph.unc.edu/files/2015/07/nciph\\_ERIC1.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC1.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Common Statistical Tests and Applications in Epidemiological Literature. *Epidemiologic Research and Information Center (ERIC) Notebook*. Second Edition. 2015. [https://sph.unc.edu/files/2015/07/nciph\\_ERIC2-rev.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC2-rev.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Common Measures and Statistics in Epidemiological Literature. *Epidemiologic Research and Information Center (ERIC) Notebook*. Second Edition. 2015. [https://sph.unc.edu/files/2015/07/nciph\\_ERIC3.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC3.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Calculating Person Time. *Epidemiologic Research and Information Center (ERIC) Notebook*. Second Edition. 2015. [https://sph.unc.edu/files/2015/07/nciph\\_ERIC4.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC4.pdf)

- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Case Control Studies. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC5.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC5.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Cohort Studies. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC6.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC6.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Risk and Rate Measures in Cohort Studies. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC7.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC7.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Cross Sectional Studies. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
<https://sph.unc.edu/files/2015/07/nciph-ERIC8-rev.pdf>
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Ecologic Studies. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC9.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC9.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Randomized Controlled Trials. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC10.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC10.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Confounding Bias, Part I. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC11.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC11.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Confounding Bias, Part II and Effect Measure Modification. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC12.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC12.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Selection Bias. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC13.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC13.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Sources of Systemic Error or Bias: Information Bias. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC14.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC14.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Causality. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
[https://sph.unc.edu/files/2015/07/nciph\\_ERIC15.pdf](https://sph.unc.edu/files/2015/07/nciph_ERIC15.pdf)
- Alexander LK, Lopes B, Ricchetti-Masterson K, Yeatts KB. Assessment of Diagnostic and Screening Tests. Epidemiologic Research and Information Center (ERIC) Notebook. Second Edition. 2015.  
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## GRANTS SUBMITTED

- 2023 College of Health and Human Services (CHHS) Mini Grant: Summer Pathway Academy
- 2023 Elevating Excellence Proposal- Broadening Hispanic/Latino access and increasing diversity in the career-ready Master of Public Health degree to reflect Arizona's population.
- 2023 Elevating Excellence Proposal- Graduate Certificate in Diversity and Equity within Healthcare.
- 2021 New Economy Initiative Proposal- Field Epidemiology Graduate Certificate Program. NAU.
- 2020 Use of innovative technology (mHealth, eHealth) to overcome prenatal care access barriers. NAU.
- 2020 COVID Testing Innovation Modalities for Equity among Underserved Population (COVID TIMES UP). NIH R01.
- 2020 Modeling the effects of rurality on long-term SARS-COV-2 transmission dynamics and the heterogeneous efficacy of interventions. NIH.
- 2018 Vitalyst Foundation Grant Proposal- Native American Prevention Project against AIDS and Substance Abuse (NAPPASA)