

KIMBERLY ELIZABETH FRYER

University of South Florida, Morsani School of Medicine
Assistant Professor, Department of Obstetrics and Gynecology, Generalist Division

EDUCATION

- UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL Chapel Hill, NC
TECT Fellowship Program and MSCR degree from School of Public Health June 2018
- Two-year Training in Epidemiology and Clinical Trials fellowship
 - Includes a Master of Science in Clinical Research degree from the Department of Epidemiology in the Gillings School of Public Health at UNC
- GREENVILLE HEALTH SYSTEM, UNIVERSITY OF SOUTH CAROLINA AT GREENVILLE Greenville, SC
Residency Program in Obstetrics and Gynecology July 2016
- UNIVERSITY OF VIRGINIA, SCHOOL OF MEDICINE Charlottesville, VA
Doctor of Medicine May 2012
- UNIVERSITY OF VIRGINIA, SCHOOL OF ENGINEERING Charlottesville, VA
BS with High Distinction Major: Biomedical Engineering Concentration: Spanish May 2008
Study Abroad: Hispanic Studies in Valencia, Spain through the University of Virginia from Jan.– May 2006

EMPLOYMENT

- UNIVERSITY OF SOUTH FLORIDA MORSANI SCHOOL OF MEDICINE Tampa, FL
Assistant Professor July 2018 - Present
Department of Obstetrics and Gynecology, Generalist Division
- UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL Chapel Hill, NC
Clinical Fellow July 2016 - June 2018
Department of Obstetrics and Gynecology, Generalist Division
Training in Epidemiology and Clinical Trials Fellowship

RESEARCH INTERESTS

- Developing new Models of Prenatal Care
- Evidence Based Comparisons of new Models of Prenatal Care with Traditional Prenatal Care in Minority Settings
- Analysis and Mitigation of Healthcare Inequities in Obstetrics
- Implementing Telemedicine Enhanced Prenatal Care for Low Socioeconomic Status Women

PRESENTATIONS AND PUBLICATIONS

- Fryer, K., Lewis, G. Munoz, M. C., & Stuebe, A. (2020) Identifying Barriers and Facilitators to Prenatal Care for Spanish-Speaking Women. NCMJ vol. 82, no. 1. Epub ahead of print.
<https://www.ncmedicaljournal.com/sites/default/files/additional-assets/Static%20PDFs/82101.pdf>
- Fryer, K., Delgado, A., Foti, T., Reid, C. N., & Marshall, J. (2020). Implementation of Obstetric Telehealth During COVID-19 and Beyond. Maternal and Child Health Journal. <https://doi.org/10.1007/s10995-020-02967-7>

- Fryer, K., Munoz, M. C., Rahangdale, L., & Stuebe, A. M. (2020).** Multiparous Black and Latinx Women Face More Barriers to Prenatal Care than White Women. *Journal of Racial and Ethnic Health Disparities*. <https://doi.org/10.1007/s40615-020-00759-x>
- Andes, A., Ellenberg, K., Vakos, A., Collins, J., & **Fryer, K. (2020).** Hepatitis C Virus in Pregnancy: A Systematic Review of the Literature. *American Journal of Perinatology*. <https://doi.org/10.1055/s-0040-1709672>
- Peahl, A. F., Gourevitch, R. A., Luo, E. M., **Fryer, K. E.,** Moniz, M. H., Dalton, V. K., Fendrick, A. M., & Shah, N. (2020). Right-Sizing Prenatal Care to Meet Patients' Needs and Improve Maternity Care Value. *Obstetrics & Gynecology*, 135(5), 1027–1037. <https://doi.org/10.1097/aog.0000000000003820>
- Fryer KE, Vines AI, Stuebe AM.** A Multisite Examination of Everyday Discrimination and the Prevalence of Spontaneous Preterm Birth in African American and Latina Women in the United States. *Am J Perinatol*. 2019 Jul 31.
- Maldonado LY, **Fryer KE,** Tucker CM, Stuebe AM. The Association between Travel Time and Prenatal Care Attendance. *Am J Perinatol*. June 2019. doi:10.1055/s-0039-1692455
- Fryer K, Munoz C, Rahangdale L, Stuebe A.** Barriers to Prenatal Care by Race/Ethnicity in Multiparous Women [27F]. *Obstetrics & Gynecology*. 2019 May; 133:69S-69S.
- Fryer K, Vines A, Stuebe A.** A Multi-site Examination of Everyday Discrimination and the Prevalence of Spontaneous Preterm Birth in African American and Latina Women in the United States. The Society for Academic Specialists in General Obstetrics and Gynecology. Annual Meeting 2019.
- Maldonado L, **Fryer K,** Tucker C, Stuebe A. Driving Time as a Structural Barrier to Quality Prenatal Care [21M]. *Obstetrics & Gynecology*. 2018 May; 131(146S).
- Fryer K, Santos HP Jr., Pedersen C, Stuebe AM.** The Hispanic Paradox: Socioeconomic Factors and Race/Ethnicity in Breastfeeding Outcomes. *Breastfeed Med*. 2018 Apr;13(3):174-180.
- Fryer, K., Keiser, S., Trofatter, K., Eichelberger, K. Y., & Heberlein, E. (2016).** The role of race/ethnicity in cerclage efficacy. *The Journal of Maternal-Fetal & Neonatal Medicine*, 1–4.
- Sterling TR, Moro RN, Borisov AS, Phillips E, Shepherd G, Adkinson NF, Weis S, Ho C, Villarino ME. Flu-like and Other Systemic Drug Reactions Among Persons Receiving Weekly Rifapentine Plus Isoniazid or Daily Isoniazid for Treatment of Latent Tuberculosis Infection in the PREVENT Tuberculosis Study. *Clin Infect Dis*. 2015 Aug 15;61(4):527-35.
- Fryer KE, Keiser SD, Trofatter, KF, Heberlein, E.** Prevention of Preterm Birth: Does the addition of Progesterone enhance the reduction in preterm birth in patients undergoing cerclage placement? Presented at Easley Symposium. Greenville (SC): University of South Carolina at Greenville; 2015. (Oral)
- Oberhardt MA, Puchalka J, **Fryer KE,** Martins dos Santos VA, Papin JA. Genome-scale metabolic network analysis of the opportunistic pathogen *Pseudomonas aeruginosa* PAO1. *J Bacteriol*. 2008 Apr; 190(8): 2790-803.
- Fryer KE.** Analysis of a Clinical Trial to Test a Novel Tympanostomy Tube Insertion Device (thesis). Biomedical Engineering Capstone Symposium. Charlottesville (VA): University of Virginia; 2008. (Oral)

Research Support

Current Research Support

Exploring Unique Experiences and Needs of African American/ Black Pregnant Women

University of South Florida: Understanding and Addressing Blackness and Anti-Black Racism in our Local, National, and International Communities Fryer (co-PI) 07/23/18 – Present

In this pilot study, we will use mixed methods to explore the interpersonal and systemic experiences of Black women and their contribution to pregnancy outcomes and prenatal care.

Amount: \$14,875

Capacity Assessment of Prenatal Health Care and Dependency Services Access in Florida

Florida Department of Health Fryer (co-PI) 03/01/2021 – Present

This study proposes to use the secret shopper method to evaluate access to substance abuse treatment and access to prenatal care for women who are pregnant and substance dependent.

Amount: \$99,453

Department of Obstetrics and Gynecology Chair Fund Fryer (PI) 07/23/18 – Present

University of South Florida, Department of Obstetrics and Gynecology

Salary support over three years to launch new independent research projects.

Completed Research Support

University of South Florida Seed Grant Fryer (co-PI) 07/23/18 – 12/30/20

University of South Florida, Department of Obstetrics and Gynecology

Funding to support a qualitative study analyzing barriers to care for prenatal care for women in Tampa, Florida

Amount: \$46,800

Bowes/Cefalo Young Researcher Award Fryer (PI) 07/2017 – 07/2018

Reducing barriers to maternity care for Spanish-speaking women

Qualitative analysis of health system barriers to care for Spanish-speaking women in North Carolina.

Amount: \$4,370

Submitted but Not Funded

NIH NIMHD K23

Prenatal care expectations and experiences among Black and Latina women: a mixed methods investigation of patient, community and system level factors

Description: Career development award with three career and learning objectives: 1) attain skills in advanced qualitative methods including intervention assessment to be able to evaluate future prenatal care models for acceptability, feasibility and effectiveness, 2) attain skills in community engagement and community informed research to be able to apply this approach to future models of prenatal care development, and 3) attain skills in healthcare system innovation, health policy and economics in order to apply this to future healthcare innovations. The objective of the research plan is to gain skills to engage women, the community, and providers in redesigning the first prenatal care visit.

Role: PI

Amount requested: \$850,235, 75% salary support

USF COVID-19 Rapid Response Grant

Understanding the Impact of Policies Enacted to Mitigate the COVID-19 Pandemic on Pregnant Women in Florida

Aim: Examine impacts on psychosocial and physical wellbeing of pregnant women in FL as a result of policies enacted to mitigate the COVID-19 pandemic

Role: PI

Amount requested: \$ 23,850

Fast Grants

Implementation and Evaluation of Obstetric Virtual Visit Protocol

Aims: Our Aim is to evaluate the rapid transition to obstetric telemedicine in the response to COVID-19 using the Consolidated Framework for Implementation Research (CFIR) model from two distinct viewpoints: Aim 1) perspectives of patients and Aim 2) perspectives of providers.

Amount requested: \$52,172

Maternal Telehealth Access Project Collaboration and Innovation

University of North Carolina – Chapel Hill via sub-contract under HRSA CARES Act funding

Aim: Implement telehealth in a low-income, community clinic. We will implement a prenatal care system which incorporates a hybrid of in-person and virtual visits administered by prenatal care providers. The goal of the model of care is to reduce barriers to prenatal care access and decrease risk of COVID-19 exposure during pregnancy by reducing the number of in-person clinic visits. We hypothesize that we will have increased uptake in the number of prenatal care visits conducted virtually compared to our current numbers.

Role: PI

Amount requested: \$50,422

AWARDS AND RECOGNITIONS

Gold Foundation, Humanism and Excellence in Teaching Award, 2015

Award presented by the third year medical students to six residents for their commitment to teaching and compassionate treatment of patients.

Award for Excellence in Female Pelvic Medicine and Reconstructive Surgery, AUGS, 2015

Presented to one GHS resident in Obstetrics and Gynecology for excellence in Urogynecology.

Outstanding Laparoendoscopic Resident Award, 2015

Presented to one GHS resident in Obstetrics and Gynecology for excellence in Reproductive, Endocrinology, and Infertility.

Greenville Hospital System, Teaching Resident of the Year, 2014

Award presented by the fourth year medical students to one resident at Greenville Memorial Hospital annually for excellence in medical student teaching.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

The Society for Academic Specialists in General Obstetrics and Gynecology	2014 to present
American Congress of Obstetricians and Gynecologists	2012 to present
American Medical Association	2012 to present

LANGUAGES

English: Native Language

Spanish: Proficient