

UNC Research Interests and Upcoming Projects

	Faculty	Areas of Interest
Projects on the Horizon - Summer 2021	<u>Kelly Bossenbroek-Fedoriw</u>	<p>Project: Data Analysis of match trends Description: Analyze deidentified admissions data of graduates who matched in fammed. Consult with MSE regarding strategic plan for admissions and longitudinal family medicine experience.</p>
	<u>Martha Carlough</u> <u>Ellen Chetwynd</u> <u>Annie Dotson</u>	<p>Project: Chatham Maternity Care Description: In a partnership between UNC Family Medicine and Chatham Hospital in Siler City, a new rural maternity care unit opened in September 2020. To determine impact, our group is performing a comprehensive, multi-faceted evaluation. We are seeking a research assistant to help with this evaluation. The student would work with Drs. Carlough, Chetwynd, and Dotson to determine the scope of this project, but examples could be interviewing key community informants or performing data analysis of prenatal and postpartum health indicators. This project would be a particularly good fit for students interested in rural maternity care, primary care, or a Kenan Primary Care Medical Scholar.</p>
	<u>Susan Trout</u> <u>Sarah Sterling</u>	<p>Project: UNC Tobacco Treatment Program and UNC Weight Management Program (evaluation and quality improvement project)</p> <p>Program Description: The UNC Family Medicine Tobacco Treatment and Weight Management Programs have provided behavioral counseling to patients with tobacco treatment disorder and obesity since 2008 and 2015, respectively. As the two leading causes of preventable health related issues and death, tobacco use and obesity are important public health issues.</p> <p>Project Description: Assist the UNC Tobacco Treatment Program and the UNC Weight Management Program with data analysis to help evaluate the programs' current states and determine future steps to help enhance the programs and better serve UNC FMC patients. Provide support in program development projects that may include literature review, creation of patient materials, analysis of program participation and outcomes across age, race, and gender, and/or quality improvement. Through this work one can expect to gain a deeper understanding of tobacco use and obesity, the potential medical impacts from each and ways to assist patients in addressing these issues.</p>
	<u>Gaby Castro</u> <u>Caroline Roberts</u> <u>Mallory McClester Brown</u>	<p>Project: Mental health among rural Latinx populations Description: This position provides an opportunity for students to learn about mental health among Latinx communities in rural North Carolina. As part of a collaborative HRSA-funded project, the UNC Family Medicine Residency and Piedmont Health Services are expanding integrated behavioral health services at our two residency sites in Prospect Hill and Siler City. In this phase of this project, students would conduct a needs assessment around mental health conditions among the primarily Latinx populations served by these two health centers. Students will learn how to navigate the electronic medical record, perform chart reviews and run basic queries. In addition to the completed needs assessment, students interested in developing their scholarship skills would have the opportunity to submit a proposal to share their findings via poster or presentation with guidance from faculty mentors. The logistics of this project include initial site visits then remote work and weekly virtual meetings with faculty mentors to report progress and for support, guidance, and feedback.</p>

<p><u>Mallory Mcclester Brown</u></p>	<p>Project: Ageism in Primary Care Description: Ageism is one of the many prejudices that can impact the patients we serve in many ways, including the health care they receive. This project will include reviewing the literature around aging and health disparities to help in crafting a longitudinal curriculum for primary care residents around Ageism.</p>
<p><u>Brad Wright</u></p>	<p>A Mixed-Methods Pilot Study of a Novel Training Curriculum Designed to Enable Family Physicians to Independently Deliver Care to Patients with Hepatitis C. The objectives of this study are to evaluate an HCV-specific training delivered to family physicians, identify changes in HCV care delivery among trainees, and understand for whom the training is most likely to drive changes in practice. Depending on their interest, the student would have the opportunity to assist with survey design and analysis, statistical modeling of survey and electronic health record data, literature review, manuscript preparation (including co-authorship), and proposal writing.</p>
<p><u>Tim Daaleman</u></p>	<p>Medical Respite Programs for Persons Experiencing Homelessness Medical respite programs (MRPs) characterize a care model that has been developed to address the specific health care and social needs of persons experiencing homelessness. The long-term goal of our project is to strengthen the evidence base of MRPs that will promote best practices, inform policy, and improve the health and health care services of PEH. The <u>specific aims of the pilot study are:</u> (1) to demonstrate the feasibility of a method to collect data from MRPs, affiliated care staff, and PEH care recipients; (2) to estimate, on a preliminary basis, the association of MRP organizational and provider characteristics on PEH outcomes, specifically treatment completion and enrollment into housing, and; (3) to develop a PEH-centric instrument that measures the MRP care experience.</p>
<p><u>Justin Byron</u></p>	<p>Project: E-cigarette and cigarette cessation communication Description: Develop communication campaign messages to encourage adults who use both cigarettes and e-cigarettes to quit. The summer component includes a literature review and qualitative interviewing to determine what messages themes may be most promising.</p>
<p><u>Rita Lahlou</u></p>	<p>Project: Medication-Assisted Treatment Delivery Description: We are seeking a student interested in primary care and addiction medicine to analyze delivery of suboxone (medication-assisted treatment) at the UNC Family Medicine Center. Specifically, we are hoping a student can help us evaluate two new pilot programs that will launch beginning 2021, an internal consulting system and a shared model of care between residents and attendings. The student would work with Drs. Lahlou, Moore, and Dotson to determine the scope of the project in alignment with the student's interest.</p>
<p><u>Leah Ranney</u></p>	<p>Tobacco Prevention & Education: Assist with the Little cigar and cigarillo (LCC) warning label project by working with a team of researchers to pair images with previously tested warning statements. This will involve: 1. Organizing selected warning label images in preparation for online survey, 2. Contributing and reviewing online survey items, 3. Creating the online Qualtric survey, 4. Leading the internal pilot testing of the survey, revising the survey per pilot test results, participate in discussion of results, and assist with manuscript development (i.e., literature review/some writing/up load manuscript to journal website) Products = academic abstract submission, potential poster/oral presentation, and co-authorship on the manuscript.</p>
<p><u>Leah Ranney</u></p>	<p>Tobacco Prevention & Education: Assist with final study activities for Aim 1a of the Little cigar and cigarillo (LCC) project. Conduct literature review for manuscript(s) disseminating discrete choice experiment study results. This study tested a set of LCC warning statements using a discrete choice experiment among 500 adult LCC users to determine which statement characteristics (i.e., health effects and format of warnings) produced the most effective LCC warning statements. Products = academic abstract submission, potential poster/oral presentation, and co-authorship on the manuscript.</p>

Family Medicine Research Division

<u>Gary Asher</u>	Dr. Asher's research focuses on the use of Complementary and Alternative Medicine for chronic conditions such as hypertension and cancer, with a primary focus on the pharmacokinetics and pharmacodynamics of botanical agents. He has been involved in several acupuncture studies, as well as systematic reviews of acupuncture for pain and non-pharmacologic treatments for depression. He is currently leading clinical and translational trials of curcumin for prevention and treatment of colorectal cancer.
<u>Sylvia Becker-Dreps</u>	Her research focuses on childhood diarrhea and the evaluation of vaccine effectiveness. She has evaluated the impact of rotavirus immunization programs in Nicaragua and the US and is currently conducting studies to understand why rotavirus vaccines have lower effectiveness in low-income settings. She has also evaluated the impact of pneumococcal immunization programs in Nicaragua.
<u>Stephen Bogdewic</u>	Dr. Bogdewic has a PhD in Adult Education and Organizational Development. His areas of interest include behavioral health, stress management, family systems, veterans' health and leadership development.
<u>Tim Daaleman</u>	Dr. Daaleman's areas of interest include care of medically vulnerable populations and chronic illness care; social and cultural influences on chronic illness and end-of-life care including religion and spirituality, and; aging and the life course.
<u>Justin Byron</u>	Dr. Byron uses behavioral science to learn how to improve health communication to support health policies in the US and abroad. He focuses on tobacco control and is currently developing a smoking cessation campaign for people who use both e-cigarettes and cigarettes. He also studies public perceptions of a possible FDA reduced nicotine cigarette policy.
<u>Donahue</u>	Dr. Donahue's research interests include primary care practice redesign, chronic disease and prevention, health behavior change and collaboration among public health and primary care. She is co-director of the North Carolina Network Consortium (a practice-based research meta-network), and is Director of Research at UNC Department of Family Medicine.
<u>Chineme Enyioha</u>	Dr. Enyioha's research focuses on health disparities, decision science, and examining factors that affect patient engagement with the healthcare system, especially with chronic disease management.
<u>Erin Fraher</u>	Dr. Fraher's research focuses on understanding the flexible use of workers in new models of care; developing data and methodologies to project how many health workers will be needed under different possible futures; and using quantitative and qualitative data to spark discussions about redesigning healthcare workforce education systems to better align with population's health care needs and using life course theory to better understand health professionals' career trajectories.
<u>Adam Goldstein</u>	Dr. Goldstein conducts research on health policy related to tobacco regulatory science, patient-centered tobacco cessation, disparities in tobacco use, health communication and behavior change, and gun violence prevention.
<u>Jacque Halladay</u>	Dr. Halladay is the Chair for Research at UNC Health Sciences MAHEC campus. Her research interests include working in ambulatory practices and health care systems with investigative and clinical teams who collectively aim to enhance care delivery and outcomes for patients with chronic conditions, specifically cardiovascular disease, asthma, and tobacco use. She has a particular interest in understanding the practice level costs of participating in various quality improvement and practice transformation activities. She is the Co-Director of the North Carolina Network Consortium (NCNC), a statewide Practice Based Research Network (www.ncnc.unc.edu)
<u>Kistler</u>	Dr. Kistler's area of interest is decision-making around the care of older adults, particularly the appropriateness of their care. Her research has focused primarily on preventive services such as cancer screening and tobacco cessation, and around infection control.
<u>Ranney</u>	Dr. Ranney has a strong interest in prevention and health promotion research to promote healthy lifestyles and prevent chronic disease. She is also interested in regulatory science research, in particular how regulating the manufacture, distribution and marketing of tobacco products can protect the public.

<u>Shoenbill</u>	Dr. Shoenbill's primary research interests include secondary use of EHR data, natural language processing, and machine learning to inform and improve quality of care and patient outcomes.
<u>Sloane</u>	Dr. Sloane's research interests include institutional and community-based long-term care, management of Alzheimer's disease and related dementias, medical care of older persons, medical symptoms, and translational research.
<u>Brad Wright</u>	Dr. Wright's research focuses on understanding the causes and consequences of disparities in health care delivery, with an emphasis on publicly insured populations (i.e., Medicare and Medicaid), primary care, and emergency medicine. He is one of the nation's leading experts on both federally qualified health centers and hospital observation stays. His additional research interests include health politics and policy, health reform, and patient and public involvement in health care.
<u>Zolotor</u>	Dr. Zolotor's areas of interest include child abuse epidemiology and prevention. He currently serves as the co-PI of the largest evaluation of a shaken baby prevention program ever conducted. He is currently developing a cell phone-based parenting program initially for adolescent parents. The program will include informational videos, nurse case management (phone, text, and email), online and text based peer support, screening and referral for high-risk conditions (such as depression).

Learn more about primary care research and exciting success stories at:

North Carolina Network Consortium <http://ncnc.unc.edu/>

UNC Family Med Research <http://www.med.unc.edu/fammed/research>