

# Summer 2023 Family Medicine Research Fellowship



## UNC Research Interests and Upcoming Projects

	Faculty	Areas of Interest
Projects on the Horizon - Summer 2023	<a href="#"><u>Nailah Adams</u></a>	<p><b><u>My Movement:</u></b> The purpose of this pilot study is to evaluate attitudes on sports bras' accessibility/size/fit and physical activity among adolescent and young adult women, and to develop a program that will provide sports bras to high school-aged females in Durham and Orange County to increase participation in physical activity and improve health and wellness.</p> <p><b><u>The Female Athlete Triad in Underrepresented Minority Collegiate Athletes:</u></b> The purpose of this pilot study is to determine the awareness of the Female Athlete Triad among under-represented minority collegiate athletes at 4 HBCUs in North Carolina.</p>
	<a href="#"><u>Narges Farahi</u></a>	<p><b><u>Partnering to Navigate Polycystic Ovary Syndrome (PCOS)</u></b> A demonstration project aimed at reducing perinatal health inequities by improving the health of reproductive-aged persons living with PCOS. Student scholars would have the opportunity to work with a multidisciplinary research team to develop and train community clinicians on clinical algorithms for diagnosis and management of PCOS and/or work with patient stakeholders to develop patient engagement and education materials related to PCOS and related health concerns including comorbid conditions, family planning and fertility.</p>
	<a href="#"><u>Nadja Violot</u></a>	<p><b><u>Vaccination in Primary Care</u></b> Some potential tasks include:</p> <ul style="list-style-type: none"> <li>• Characterize state immunization information systems (IIS) through internet searches, contacts with state DHHS personnel</li> <li>• Download and analyze CDC data on state child/adolescent vaccination coverage</li> <li>• Create merged database of IIS and CDC data for analysis.</li> <li>• Develop preliminary manuscript text and data</li> </ul>
	<a href="#"><u>Chineme Enyioha</u></a>	<p><b><u>Development of prototype mobile health intervention for smoking cessation culturally adapted for African American smokers.</u></b></p> <ul style="list-style-type: none"> <li>- Assist with conducting focus groups and coding/analysis of transcripts</li> <li>- Work with the team to create a hypothetical intervention based on results and conduct a discrete choice experiment with 1000 participants online.</li> </ul>
	<a href="#"><u>Sarah Kowitt</u></a>	<p><b><u>Qualitative youth tobacco prevention project</u></b> Dr. Kowitt will be conducting focus groups with youth tobacco users in Spring 2023. The topics of these focus groups will include: tobacco use experiences and reasons for use, perceived risks of tobacco products, barriers and facilitators to quitting, and reactions to anti-tobacco messages. The MS1 student will help with analyzing findings from the focus groups.</p> <p><b>Duties:</b></p> <ol style="list-style-type: none"> <li>1. Assist with qualitative data analysis (work on developing the codebook, code transcripts, help synthesize results)</li> <li>2. Assist with peer-reviewed publications and presentations as a co-author</li> </ol>
	<a href="#"><u>Modjulie Moore</u></a>	<p><b><u>NC Farmworkers Health Program</u></b></p> <ul style="list-style-type: none"> <li>• Request for 1 student interested in taking on QI projects to help a collaborative team with: 1) Improving our EHR use and care delivery 2) Assist with logistics and organization of our "BRAND NEW!!" mobile bus to improve care!</li> </ul>

		<ul style="list-style-type: none"> <li>• Students should be functional in Spanish language to communicate and collaborate with our team</li> <li>• Would require driving to Benson for opportunities to work with our outreach team on community identified needs</li> <li>• QI projects available for future presentations at conferences such as East Coast Migrant Stream Forum! <ul style="list-style-type: none"> <li>○ Improving our colon cancer screening algorithm, process, and procedures for our MSFW population</li> <li>○ Helping with ongoing implementation of our new EHR (practice fusion): Topics in digital equity and inclusion for improvement of care and support of farmworkers in the state</li> <li>○ QI also possible for educational topics in priority topics in farmworker health such as MSK health, diabetes, hypertension, AND mental health</li> </ul> </li> </ul>
	<p><a href="#"><u>Sapna Varkey</u></a></p>	<p><b><u>Demographic profile of 2023 members of NC local government elected officials, central management, and health-focused boards and commissions</u></b>  Using a survey tool created by Dr. Varkey, student fellow will collect, organize and analyze the data to obtain a full count of North Carolina's:</p> <ul style="list-style-type: none"> <li>• Members of all permanent, health-focused local government boards and commissions</li> <li>• County manager, sheriff, district attorney, register of deeds, judges, and clerks – each municipality has a clerk</li> </ul>
	<p><a href="#"><u>Riley Smith</u></a></p>	<p><b><u>Family Medicine Transgender Health Program:</u></b> Student will work with Family Medicine faculty and residents to improve care for Transgender and Nonbinary patients at the Family Medicine Center. Project will include reviewing quality metrics and care gaps for Transgender patients, developing patient and provider educational resources, and engaging in community outreach. Projects may also be adapted based on clinical interests of the student.</p>
	<p><a href="#"><u>Koonce &amp; Coe</u></a></p>	<p><b><u>Student Support &amp; Curricular Improvement:</u></b> Over the past 3 years PCC4 has been implemented to improve the transition from the pre-clinical to the clinical phase of medical student education. Drs. Coe and Koonce seek to evaluate the effectiveness of PCC4 as intervention to improve medical student education. Student responsibilities will include meeting to discuss an evaluation strategy, using available survey data to implement that strategy, and outlining initial drafts of potential posters and/or manuscripts for submission. Students will also be involved in brainstorming of next steps for implementation and evaluation of PCC4.</p>
	<p><a href="#"><u>Ryan Paulus</u></a></p>	<p><b><u>Point-of-Care Ultrasound (POCUS):</u></b>  POCUS is becoming the standard of care. As with anything new in medicine, a lot of research and scholarly work is needed to set guidelines and standards. I have several projects going on that mainly includes manuscript writing, but I have a couple more traditional projects going on that includes analysis of survey and assessment data. Here our a few options I can envision for you, I am very flexible based on your interest!</p> <ol style="list-style-type: none"> <li>1) Manuscript Submission to a Journal: We will first find a topic in POCUS (i.e. tips on using POCUS, how to implement POCUS in the primary care setting, review of POCUS application, POCUS in medical school education, etc). We will then do a literature review and then write the manuscript after we select our targeted journal (most likely an STFM journal or Journal of Family Practice).</li> <li>2) Create a Poster: we can use data I have from the POCUS curriculum in the family medicine residency at UNC or obtain data from medical students on POCUS education and develop a poster.</li> <li>3) Case Report: write a case about how POCUS changed management</li> <li>4) Create a new project: data is lacking around how much training is needed to perform POCUS scans. We can develop a project looking into how much training is needed to perform a specific POCUS scan.</li> </ol>

More about Family Medicine [Research Division](#) and other faculty interests

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