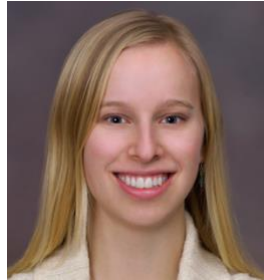# CPCRN Workgroup/Interest Group Fact Sheets

Project: Modeling Evidence-Based Intervention (EBI) Impact Workgroup

Leads:

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About: The objective of the CPCRN Modeling Evidence-Based Intervention (EBI) Impact Workgroup is to inform EBI implementation through modeling, systems mapping, and other systems science tools, including how to: select and prioritize EBIs; appropriately plan for implementation, budgeting, and resource allocation; and adapt EBIs for specific contexts. Workgroup members are interested in supporting increased cancer screening overall, as well as addressing observed disparities. To guide cancer screening-focused intervention planning, practice-level change, improvement at the health system-level, and policy at the state and national levels, members integrate best available evidence into decision support models, and conduct virtual comparative and cost effectiveness research. Using EBI models, they simulate and compare the impact of alternate "what if" scenarios on: screening rates in a given year and over time; percent of subpopulations up-to-date on routine screenings; incidence; stage at diagnosis; and deaths or life-years lost due to cancer. Workgroup members engage diverse stakeholders in discussions regarding the appropriate outcomes of focus, motivating research questions, target populations, and resource considerations. The Workgroup also aims to support others interested in applying a systems lens to their research and implementation studies (e.g., offer guidance for conducting simulation studies and systems mapping activities, as well as using findings to improve cancer screening).

Planned Products and Deliverables:

- Disseminate results of simulation studies about the comparative effectiveness and cost-effectiveness of colorectal cancer screening EBIs
- Create resources on using systems science to inform EBI implementation and sustainment
- Develop the Cancer Control PopSim (Population Simulation) website with UNC's CHAI Core
- Support CPCRN co-investigator (*and Scholar alum*) Meghan O'Leary in her dissertation work assessing how to optimize the Cancer Control PopSim website for the purpose of guiding the selection/implementation of cancer screening EBIs