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### Engagement as a Spectrum: Co-Developing and Implementing a Training Series to Enhance Researcher Capacity for Engaging Community and Patient Partners

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**OBJECTIVES/GOALS:** Community-based participatory research is a “gold standard” methodology, yet many researchers lack the experience or resources to implement this approach. To make engagement more accessible, we developed and implemented a 3-part training series highlighting engagement as a spectrum with many options to meaningfully engage partners. **METHODS/STUDY POPULATION:** Staff at UNC-Chapel Hill’s CTSA and Cancer Center collaborated with patient and community partners to co-develop training content, structure, and delivery. Sessions were free and open to the public and covered key components of research engagement and its benefits, debunked common myths and misconceptions about engagement, outlined specific methods along the spectrum of engagement (from low to high touch), and described nuances of building and maintaining partnerships. Partners determined how to best incorporate their perspectives, developed content (including videos, audio clips, and quotes), and co-presented with UNC staff. Evaluations were collected after each session and feedback was incorporated into future iterations. **RESULTS/ANTICIPATED RESULTS:** 194 individuals from over 20 institutions have participated in the training. Of all survey respondents to date (n=74), 93% were very or extremely satisfied, 77% felt the training was very or extremely relevant to their work, and 76% were very or extremely likely to use information learned in the next year. Most helpful parts of the training were differentiating research engagement from participation; explaining engagement as a spectrum with varied methodologies; providing tools and resources to implement different approaches; and hearing directly from community co-presenters about their experiences engaging in research. Based on feedback, we created a workshop for researchers to develop engagement plans and an additional training for partners to build capacity and knowledge about engaging in research. **DISCUSSION/SIGNIFICANCE:** Engaging partners who are impacted by research can be instrumental to the success of a study. This training can help researchers identify engagement approaches that align with their goals, experience, and resources, as well as the interests and capacity of potential partners, and can serve as a model for those interested in training co-development.

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### The Unheard Voices of Clinical Trials: Fostering Inclusivity for People Experiencing Homelessness in Clinical Trials

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**OBJECTIVES/GOALS:** Investigate the perspectives of people experiencing homelessness (PEH) on clinical trials to uncover knowledge gaps and attitudes. This study aims to offer insights for clinical researchers to enhance engagement with this marginalized group, ushering in a more inclusive clinical trial process. **METHODS/STUDY POPULATION:** A 14-question survey was developed in collaboration with the Street Medicine Team at the University of Southern California and other stakeholders of PEH research. Initial questions assess knowledge of clinical trials, followed by questions gauging sentiments on clinical trial participation, and final questions on the significance, benefits, and risks of clinical trials. Upon approval by the local Institutional Review Board, the survey will be administered in an interview format. Study participants will be from locations within the area of operations of the USC Street Medicine team—in and around Hollywood, South Los Angeles, and/or the Los Angeles Council District 1. **RESULTS/ANTICIPATED RESULTS:** We anticipate that the results of this study will offer valuable insights into the perspectives of PEH regarding clinical trials. Results will also provide varying levels of knowledge and understanding among PEH about clinical trials, along with their past experiences in clinical trial participation, and willingness for future involvement in such trials. Further, the results will reveal whether respondents feel they are being properly represented in clinical research projects that could impact themselves and their community. This project can also enhance our understanding of the expectations and concerns of PEH regarding their potential participation in clinical trials. **DISCUSSION/SIGNIFICANCE:** The outcomes of this research project have the potential to lay the groundwork for enhancing the involvement of PEH in translational science research, encompassing aspects from study design to participation. This improvement could benefit not only participants but also various stakeholders involved.

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### Parent Perspectives on Improving Out-of-School Activities in Low-Income Black and Latinx Communities\*

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**OBJECTIVES/GOALS:** Participating in out-of-school activities (i.e., sports) is associated with improved physical and mental health, but racial/ethnic and income disparities persist. Our goal was to describe parent perspectives to understand how to enhance family engagement in these activities, especially in low-income Black and Latinx communities. **METHODS/STUDY POPULATION:** We recruited