

parents through a large urban parks and recreation department located in Los Angeles County (LAC) and two community-based organizations who provide services primarily to low-income Black and Latinx residents in LAC. We conducted semi-structured English or Spanish interviews with parents of children ages 6-17 about the impact of activities on families, experiences making it difficult or easier for their child to be involved, and recommendations to meet their needs and facilitate family engagement. We coded the interviews using Dedoose and then performed thematic analysis. RESULTS/ANTICIPATED RESULTS: We completed 34 interviews (17 English, 17 Spanish). Parents shared these central ideas about out-of-school activities: (1) they support families and promote healthy child development; (2) they must create a safe environment and promote a sense of belonging for all families; and (3) service delivery changes reduced barriers, but activities often remained inaccessible. Barriers included lack of awareness about low-cost options, online enrollment, financial costs, waitlists, program timing, inaccessible parks/pools, safety, inconsistent quality, few opportunities for families to participate together, and a desire for more inclusive practices around race, culture, language, gender, children with special needs, and parent involvement. Parents offered recommendations to increase family engagement. DISCUSSION/SIGNIFICANCE: Involving parents in optimizing out-of-school activities may improve access, uptake, and quality of these health-promoting activities in low-income Black and Latinx communities.

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### Enhancing the Impact of a Community Feedback Session Service Through Ongoing Evaluation

Nixola Datta<sup>1</sup>, Simone C. Frank<sup>1</sup>, Mary E. Grewe<sup>1</sup>, Chloe Yang<sup>1,2</sup>, Khadeejatul-Kubraa Lawal<sup>1,2</sup> and Alicia Bilheimer<sup>1</sup>

<sup>1</sup>North Carolina Translational and Clinical Sciences (NC TraCS) Institute, University of North Carolina, Chapel Hill, NC, USA and <sup>2</sup>UNC Gillings School of Global Public Health, University of North Carolina, Chapel Hill, NC, USA

OBJECTIVES/GOALS: UNC-Chapel Hill's CTSA implemented a community feedback session (CFS) service to help researchers gather actionable, authentic, and constructive feedback on their projects from community experts. Simultaneously, we conducted an ongoing, participatory evaluation process to improve the experience for researchers and community members. METHODS/STUDY POPULATION: Informed by the Community Engagement Studio model (Yoosten, 2015), a CFS is a 2-hour consultative session that includes facilitated discussion with community experts around topics or questions posed by a research team. UNC-Chapel Hill's CTSA staff conducted 7 CFSs during the pilot phase of the service and collected evaluation surveys from researchers and community experts. We held a data party – a participatory evaluation method – to analyze and interpret survey data. Resulting recommendations were used to improve CFS materials and processes. We conducted 11 CFSs after the pilot phase, then analyzed survey data again to gauge improvement and make further adjustments to the service. We also surveyed researchers three months after their last CFS to assess the impact of community experts' feedback on their studies. RESULTS/ANTICIPATED RESULTS: Since January 2022, 108 community experts have participated in 18 CFSs spanning 9 research projects. Data party interpretations of pilot evaluation data yielded several changes in service delivery; since those changes were instituted, all researchers have highly rated the service, unanimously recommending it to colleagues. Researchers praised well-structured

sessions and productive engagement, citing direct benefits to their work and significant impact on recruitment processes 3 months post CFS. Community experts also echoed satisfaction, with 100% finding CFSs worthwhile and 95% desiring to participate again, emphasizing the sessions' supportive atmosphere. A community expert reported that the sessions 'made me feel seen and allowed for a greater understanding of what I have been dealing with.' DISCUSSION/SIGNIFICANCE: The CFS model allows research teams to elicit rapid and meaningful community input, which is key to improving research relevance and impact. Ongoing participatory evaluation of the service ensures continuous improvement, yielding more meaningful interactions and studies that reflect the perspectives of people affected by the research.

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### Caregiver Perspectives on Telehealth Assessment and Other Supports for Infants with Early Developmental Concerns

Meagan Talbott, Daltrey Schmidt and Sarah Dufek  
UC Davis Health

OBJECTIVES/GOALS: Caregivers often identify signs of autism in infancy but face multiple barriers when seeking specialized evaluations and subsequent services. This study sought to understand the experiences of families with early developmental concerns to identify acceptable and feasible strategies to support them during this period of uncertainty. METHODS/STUDY POPULATION: We interviewed 15 families participating in a larger longitudinal project developing telehealth assessments for infants with early developmental concerns. Interviews were conducted virtually following the final toddler-age assessment, and focused on caregivers' experiences navigating early concerns, appropriateness of existing supports, and suggestions for future directions. Interviews were transcribed and coded across multiple passes, focusing on both phenomenological experience and frequency of specific supports mentioned. RESULTS/ANTICIPATED RESULTS: Core themes expressed across multiple included: (1) Uncertainty; (2) Navigating Supports; (3) Community and Connection; and (4) Information is Power. Caregivers also provided specific suggestions for addressing these areas. These included suggestions for parent coaching topics, modalities for sharing information with parents (e.g., group meetings, online modules), and research practices. DISCUSSION/SIGNIFICANCE: There have been recent efforts to develop pre-diagnostic interventions for infants, but few studies have investigated the needs and priorities of families during this period. Our approach can help bridge the gap between research and practice by identifying family priorities to target when developing interventions.

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### Investigating the Transitionary Process from Pediatric to Adult Care and Improving Transitional Readiness for Youth with Sickle Cell Disease (SCD) through Co-Designing an Intervention

Janine Noorloos, Fairuz Karim, Jaspreet Randhawa, Geil Astorga and Peola Ellis  
University of Toronto

OBJECTIVES/GOALS: The goal is to use a participatory design approach involving patients and healthcare providers to create an intervention aiming to improve the transition readiness of youth with sickle cell disease (SCD) when going from pediatric to adult care