

factors and adverse maternal outcomes. Opportunities for improving personal recovery capital are accessible in residential facilities, however, further exploration of unmet social determinants of health factors are needed for recovery retention.

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### **Advancing our Communal Understanding of Rectal Cancer Disparities and Identifying Opportunities for Improvement (ACUeRDO)**

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**OBJECTIVES/GOALS:** Mechanisms underlying racial and ethnic disparities in rectal cancer care remain poorly understood. We aimed to identify barriers and facilitators to care among rectal cancer patients who identify as Hispanic/Latino (H/L) and to understand how these factors may differ based on rurality, social/physical context, and community support. **METHODS/STUDY POPULATION:** We utilized qualitative methods and a community-based participatory research framework, including partnership with a community-based organization and oversight from a community advisory board. We developed an initial semi-structured interview guide based on an ecological model of health behavior and then iteratively refined it with the assistance of our partners to incorporate unique aspects of the H/L community in a culturally appropriate manner. Eligible patients and their caregivers are invited to participate in hour-long interviews in both English and Spanish, depending on participants' preferences. All interviews are recorded, translated, transcribed, and coded. Findings will be compiled and fed back to participants and community stakeholders as a part of a community forum. **RESULTS/ANTICIPATED RESULTS:** We identified 6 areas for discussion based on our model: health beliefs (perceived severity, benefit, and barriers; self-efficacy), health literacy, others' experiences with cancer, patient-provider relationship (patient-provider communication; provider-provider communication; language; cultural competency; discrimination), sources of support, and access to care. Participants are currently being recruited by clinical providers, through flyers in the cancer center, or via outreach from our community partner. We have interviewed 8 participants to date, with discussions ranging from the shock of the initial diagnosis, difficulties with navigating specialty care, and the complexities of shared decision making. We are expecting a total of 30-40 interviews to reach thematic saturation. **DISCUSSION/SIGNIFICANCE:** We hope to improve our understanding of mechanisms underlying racial and ethnic disparities in rectal cancer care and to identify potential targets for improvement. We plan to use our results to develop community-based policy interventions to improve care delivery, patient experience, and health equity.

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### **A Qualitative Study of Black and Latine HIV Care Consumers' Perceptions of Providers' Behaviors, Medical Mistrust, and Experiences of Discrimination**

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**OBJECTIVES/GOALS:** There is a scarcity of research examining the views of Black and Latine HIV care consumers on healthcare experiences that influence medical mistrust. The present qualitative study aims to bridge the existing gaps in the literature pertaining to the experiences of Black and Latine HIV care consumers. **METHODS/STUDY POPULATION:** We conducted 21 semi-structured interviews with Black and Latine HIV care consumers from November to December 2021 to explore perceptions of provider behaviors that increase or decrease HIV care consumers' trust and mistrust, experiences of stigma, and behaviors and responses when experiencing medical mistrust. Conventional content analysis was conducted to derive meaning from the narratives shared by participants. **RESULTS/ANTICIPATED RESULTS:** Provider behaviors that increase HIV care consumers' mistrust include lack of person-centered care, lack of partnership in health decision making, perceived provider incompetence, lack of adequate follow-up to care, and lack of trustworthiness of providers and organizations. Perceived experiences of intersectional stigma in healthcare included feeling judged and discriminated against by healthcare providers regarding HIV status and observing differential care outcomes and delayed care delivery by race and ethnicity. **DISCUSSION/SIGNIFICANCE:** Findings can inform the development of provider-level interventions to address medical mistrust.

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### **Cervical Cancer Disparities: Knowledge, Screening and Willingness to adopt testing modalities among Hispanic/Latinx Women in Lake County, Indiana**

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**OBJECTIVES/GOALS:** There are notable disparities in cervical cancer screening. The objective of this study was to examine knowledge, screening practices, attitudes towards cervical cancer screening, and willingness to adopt screening innovations such as self-sampling and HPV rapid testing for cervical cancer among Hispanic women in Lake County, Indiana. **METHODS/STUDY POPULATION:** This mixed-methods study encompassed an online cross-sectional survey (n=231) and in-depth interviews (n=9) of individuals with a cervix aged 21-65 residing in Lake County, Indiana. Outcome variables focused on cervical cancer knowledge, willingness to adopt self-sampling, and willingness to adopt HPV rapid testing. Descriptive statistics included frequencies and percentages. A cervical cancer knowledge score was computed from 7 questions. Scores below the mean 3.62 were labeled 'low' while higher scores were 'high'. We also examined associations between demographic and outcome variables. Quantitative analysis was conducted using SPSS software. Qualitative analysis was conducted using NVIVO software to thematically analyze interviews using deductive and inductive coding techniques. **RESULTS/ANTICIPATED RESULTS:** Majority of participants identified as Hispanic (58%), aged 31 or older (58%). While 80.5% reported being screened for cervical cancer, only 44.6% demonstrated 'high' cervical cancer knowledge. 89.6% felt screening is important as emphasized in qualitative findings for its preventive value. Over half were willing to take their vaginal swab in clinic (55.8%) and at home (51.9%). However,