

We identified five priority topics: construction site emissions; noise; outdoor nocturnal lighting; neighborhood changes; and relocation. Long-term construction is associated with environmental and psychosocial consequences with greater negative impacts on vulnerable populations. Current NYC mitigation policies are based on general population and need revisions to consider impacts for the most vulnerable, e.g. older adults and children, to mitigate adverse health outcomes. Findings were shared with City Council members and resulted in enacting specific recommended mitigation strategies, e.g. double paned windows, etc. Seniors are highly susceptible to the effects of air pollution, noise, and environmental changes, with exposure associated with higher morbidity, mortality, and social isolation. **DISCUSSION/SIGNIFICANCE OF FINDINGS:** Long-term construction may pose serious health implications for seniors residing near construction sites. Standards and guidelines for the general population may not protect them. Community-driven coalitions, like community-academic partnerships, can successfully advance community priorities and inform strategies to protect the elderly.

21771

### **HIV Prevention among HIV-Negative Latino Males: Identifying Sociocultural Factors Associated with Pre-exposure Prophylaxis**

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**ABSTRACT IMPACT:** The broad goal of this investigation is to inform the development of culturally sensitive HIV prevention strategies to reduce specific challenges pertaining to PrEP uptake and utilization for Latino men. **OBJECTIVES/GOALS:** HIV is a significant public health concern affecting Latinos in the U.S. Daily use of pre-exposure prophylaxis (PrEP) effectively prevents HIV infection and has the potential to curb HIV epidemics. The objective of this study is to examine how sociocultural variables impact PrEP-related services among HIV-negative Latinxs. **METHODS/STUDY POPULATION:** The current study is a mixed-method investigation. Participants will include Latinx adult patients seeking services at an HIV community clinic. Approximately 150 participants will be recruited for the study. Participants who are eligible will complete sociocultural, mental health and PrEP-related measures. For the applied aim, community stakeholders will be recruited who serve the Latinx community. Upon completion of data collection, the data analytic plan is as follows: Aim 1, to establish the relationship between each sociocultural variable and PrEP uptake/utilization, preliminary analyses (i.e., correlations and regression analyses considering co-variables) will be conducted. Aim 2, grounded theory techniques will be conducted to establish community-informed practices to increase the use of PrEP. **RESULTS/ANTICIPATED RESULTS:** Relatively little is known about cultural factors that may impede PrEP uptake among Latinx MSM. Several researchers have identified specific factors such as language, acculturation, familismo, and similar cultural norms as significant barriers to care (Page et al., 2017). It is expected that each of these variables will contribute significant variance to willingness to use PrEP. Specifically, negative relationships are expected between fatalism and machismo and lower stages on the PrEP Contemplation Ladder. Comparably, a negative relationship is expected between the Hispanic acculturation subscale and lower stages on the PrEP Contemplation Ladder. It is however, hypothesized that there will be a positive relationship between familism and the non-Hispanic acculturation sub-scale. **DISCUSSION/SIGNIFICANCE OF FINDINGS:** Despite important advances in

health to prevent HIV infection, HIV rates among Latinx MSM continue to rise. This investigation will have the potential to inform the development of culturally sensitive prevention strategies. By collecting qualitative data from key community stakeholders, this project will also directly inform a CBPR prevention.

22533

### **Marshalllese Mothers' and Maternal Health Care Providers' Perspectives of the Structural and Socio-Cultural Barriers to Prenatal Care: A Comparison Article**

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**ABSTRACT IMPACT:** This study will be used to culturally tailor interventions to reduce maternal and infant health disparities in a Marshalllese community. **OBJECTIVES/GOALS:** Inadequate prenatal care is associated with adverse birth outcomes including preterm births, low birth weight infants, and neonatal mortality. Marshalllese Pacific Islanders are less likely to receive early and consistent prenatal care compared to other racial/ethnic groups and are thus at a higher risk for maternal and infant health disparities. **METHODS/STUDY POPULATION:** This article used a qualitative comparative analysis method to compare and contrast the perceived barriers to prenatal care for the prospective of Marshalllese mothers and Maternal Health Care Providers (MHCPs). **RESULTS/ANTICIPATED RESULTS:** Marshalllese mothers and MHCPs identified the same structural barriers to prenatal care: health insurance, transportation, and language. The socio-cultural barriers to prenatal care were depicted quite differently by Marshalllese mothers versus MHCPs. **DISCUSSION/SIGNIFICANCE OF FINDINGS:** While the description of structural barriers were consistent among Marshalllese mothers and MHCPs, the socio-cultural barriers and the value assigned to those barriers was quite different. Understanding the perspectives from both lenses is an important step towards addressing the barriers to prenatal care among Marshalllese.

30004

### **Examining Opioid Technical Assistance (TA) Requests for Hard-to-Reach Populations**

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**ABSTRACT IMPACT:** Analyzing the types of technical assistance (basic, targeted or intensive) provided by the Opioid Response Network (ORN) to unique and hard-to-reach populations (UHRP) informs addiction health services and translational research by identifying technical assistance needs in these populations which may require a higher level of intensity. **OBJECTIVES/GOALS:** To improve ORN dissemination and implementation efforts, the project classifies TA requests into one of three categories: basic, targeted, and intensive. This TA Framework assists the ORN project team in understanding the level of TA required in the delivery of evidence-based practices to address opioids with communities with respect to UHRP. **METHODS/STUDY POPULATION:** TA requests from April 1, 2019, to April 1, 2020, were selected. The ORN classifies TA requests in one of three categories: basic (dissemination & brief consultation), targeted (services to enhance readiness and capacity), and intensive (full incorporation of innovation considering context,