



Background

- This study focuses on increasing knowledge and improving attitudes of pre-exposure prophylaxis (PrEP) in women localized near Tarrant County using an education module.
- Women and girls made up 16% of HIV cases in Texas in 2019 (Texas Health and Human Services, 2025).
- Despite being at significant risk for HIV, many women lack adequate knowledge about HIV prevention (Auerbach et al., 2020).
- The Southeast US has a high number of HIV cases, particularly among women. Tarrant County exhibits a need for intervention (Texas Department of State Health Services, 2025).
- PrEP is a highly effective HIV prevention medication, yet its awareness and uptake among women remains low (Hull et al., 2023).
- Increasing knowledge and positive attitudes toward PrEP can empower women to take control of their sexual health and reduce HIV transmission rates (UNAIDS, 2024).

Aims

- Test the effectiveness of the novel education tool (Gonzalez et al., 2024).
- Address educational gaps for PrEP and women in Tarrant county, and the United States as a whole.
- Illustrate the ability of sex education to increase awareness about HIV prevention.
- We hypothesized that after viewing the education module, knowledge would increase and attitudes would become more positive.

Data Analytic Plan

- We measured PrEP knowledge, attitudes, and willingness (Gonzalez et al., 2024).
- To evaluate PrEP knowledge and attitudes, we used a paired samples *t*-test to evaluate change in participants' responses before and after viewing the education module.
- To evaluate PrEP willingness, we ran a frequency analysis.
- We examined participants' willingness to take PrEP if available.

Funding

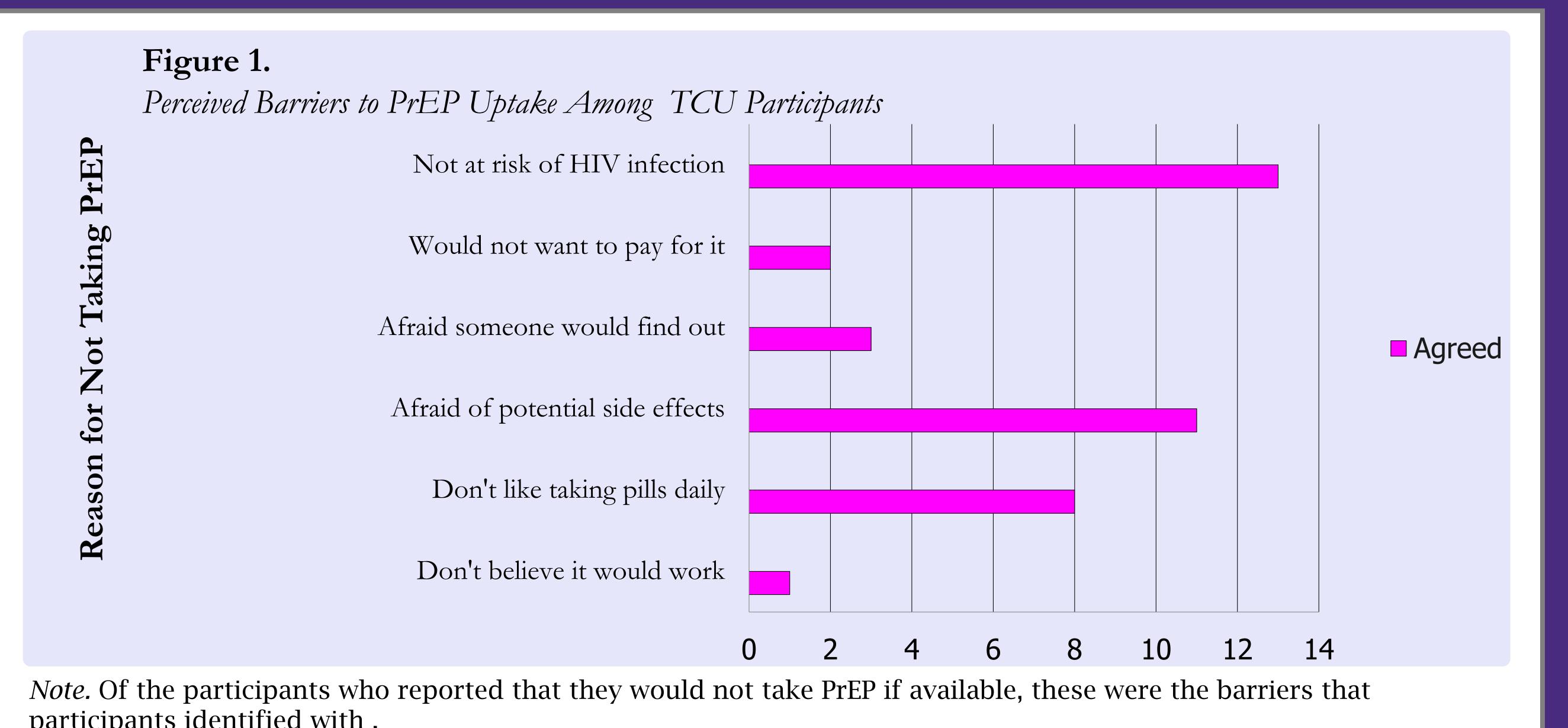
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Testing a Women & PrEP Education Tool

Esmeralda Herrera, Sarah Gonzalez², Morayma Rodriguez², Vera Farah², Ewa Olabisi², Breton Estes, Casey Chesterman, Savannah Hastings, B.S., Stephanie Villaire, M.S., Amanda L. Sease, PhD, Kevin Knight, PhD ²*indicates co-second author* Texas Christian University



participants identified with .

Method

- Intervention Test
- Gonzalez et al, 2024 designed the intervention on Articulate 360 because of its interactive platform and ability to be accessed online across phones, computers, and tablets.
- Education Module
- This curriculum covers various women's health topics, including PrEP, HIV, STIs, and cervical cancer factors, PrEP as a preventative measure, and available resources for PrEP.
- Recruitment
- Participants were eligible if they were assigned female at birth and/or identified as a woman, were 18+, and fluent in English. Recruitment was conducted via MTurk, SONA, and in-person data collection, each recruit 50-150 participants.
- Measures
- PrEP Knowledge (Walsh, 2020): 13 statements answered with True/False/I don't know.
- PrEP Attitudes (Walsh, 2020): 5 statements answered on a 5-point Likert Scale.
- PrEP Willingness (Ojikutu et al., 2020): Willingness to take PrEP if available.

Demographics

- At TCU:
- 16% of participants reported being Asian or Asian American.
- 28% of participants reported being Hispanic or Latino.
- 80% of participants reported being White.
- 4% of participants reported being Mixed.
- No participants reported being Black or
- African American, Native American, or Middle Eastern or Arab American.

screenings. Designed specifically for women, the HIV education component provides information on risk

with a dedicated Linktree for easy survey access. Participants completed a pre-survey on PrEP knowledge and attitudes, engaged with the curriculum, and then took a post-survey to assess changes. We aimed to

On MTurk:

- 9.8% of participants reported being Asian or Asian American.
- 11.5% of participants reported being Black or African American.
- 8.2% of participants reported being Hispanic or Latino.
- 72.1% of participants reported being White.
- 1.6% of participants reported being Middle Eastern or Arab American.
- No participants reported being Native American, Native Hawaiian or Pacific Islander.





Results

SONA – TCU Sample (N = 25)

- Participants showed a significant increase in PrEP knowledge from the pre- (M = 2.48, SD = 3.04) to post-test (M = 7.70, SD = 3.02), p < .001.
- Participants showed a significant decrease in negative PrEP attitudes from the pre- (M = 2.72,*SD* = .42), to post-test (*M* = 2.06, *SD* = .60), *p* < .001.
- 58.3% of participants self-reported that they would take PrEP if available (see Figure 1).

MTurk – Broader US Sample (N = 61)

- Data collection is ongoing on MTurk. These results are preliminary.
- There was a significant increase in knowledge from the pre- (M = 5.42, SD = 3.88) to post-test (M = 9.30, SD = 2.53), p < .001.
- There was also a significant decrease in negative attitudes about PrEP from the pre- (M = 2.19, SD= .81) to post-test (M = 1.74, SD = .59), p < .001.
- 65% of MTurk participants indicated that they would take PrEP if it were available.

In person data collection only yielded one response and has not been analyzed at this time.

Discussion

- PrEP Knowledge (Measured in the pre- & posttest)
- Increased knowledge shows promise for the potential of this education module to improve PrEP awareness.
- PreP Willingness (Only measured in the post-test)
- More than half of the participants showed willingness to take PrEP which may indicate desire for HIV prevention methods.
- PrEP Attitudes (Measured in the pre- & post-test)
- Reducing stigma is important in increasing access.
- Our data demonstrates that increased exposure and awareness of PrEP can improve attitudes.

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