

Developing a Women & PrEP Education Tool

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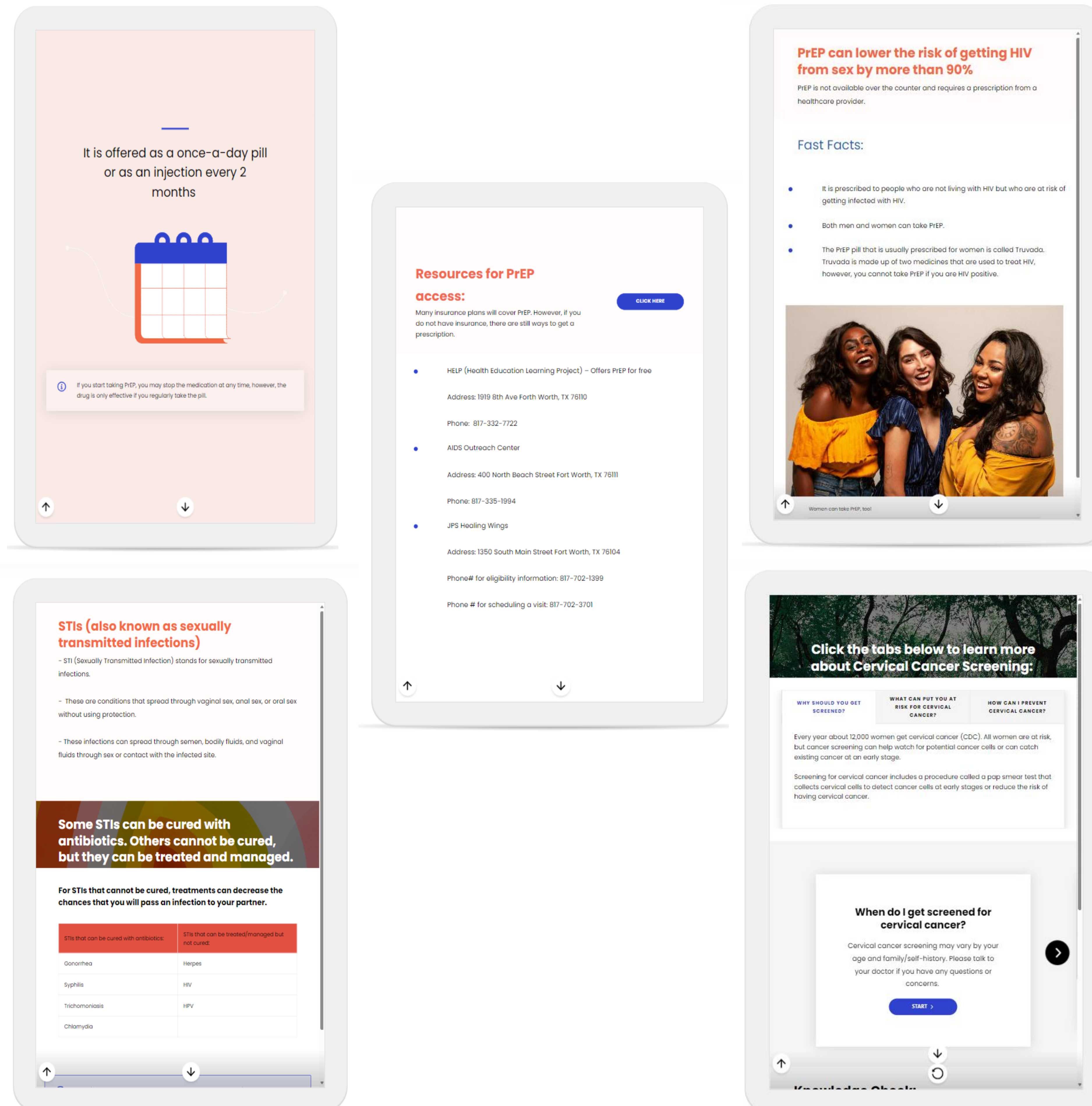
Background

- Pre-exposure prophylaxis, commonly known as PrEP, a medication that can reduce the risk of contracting HIV by up to 99%, has been under advertised to women (Arnold et al., 2022; Caplon et al., 2021; Thomann et al., 2018)
- Tarrant County Texas is deemed as a “hot spot” for new HIV infections and sexual health education is imperative to improve the health of our community
- PrEP intake is very low especially among women, therefore this study focused on a sexual health education tool targeted toward women (Johnson et al., 2021; Nydegger et al., 2021; Ojikutu et al., 2020).
- The educational tool developed with Articulate 360 is an interactive educational model including important factors such as an overview of HIV, risk factors for acquiring HIV, PrEP education and resources, and an overview of STIs and cervical cancer.

Developing an Education Tool

- This tool was chosen based on its interface design and the accessibility of our learning module via an online link that can be accessed on tablets, phones, and computers.
- This curriculum included a range of women’s health topics: PrEP, HIV, STIs, and cervical cancer screenings.
- HIV education was tailored to women as well as the preventative measures such as PrEP.
- The curriculum defined PrEP and its benefits accompanied by links to resources for accessing PrEP providers.
- STI education includes information about curative and management treatment.
- The website shares the recommended guide for cervical cancer screening to help raise awareness for this preventative screening.

Sample From the Educational Tool:



The screenshots show various educational content:

- PrEP Administration:** "It is offered as a once-a-day pill or as an injection every 2 months" with a calendar icon.
- Resources for PrEP access:** A list of providers including HELP (Health Education Learning Project), AIDS Outreach Center, and JPS Healing Wings, each with address and phone number.
- STIs (also known as sexually transmitted infections):** Information on how STIs spread and a table of STIs categorized by whether they can be cured with antibiotics or not.
- Cervical Cancer Screening:** A section titled "Click the tabs below to learn more about Cervical Cancer Screening:" with sub-sections for why to get screened, what can put you at risk, and how to prevent it.

Methods

- Recruitment will be conducted in-person at a women’s health shelter, or a non-profit committed to serving women.
- Data will be analyzed with a t-test to collect PrEP knowledge and attitudes before and after viewing the curriculum.

Measures

- PrEP Knowledge (Walsh, 2020). PrEP knowledge is assessed with 13 items.
- PrEP Attitudes (Walsh 2020). PrEP attitudes are assessed with a 5-point Likert scale.
- PrEP Willingness (Ojikutu et al., 2020). PrEP willingness is assessed with a yes or no response to the question "If a pill that could prevent transmission of HIV from an infected (HIV positive) sex partner to an uninfected (HIV negative) partner were available I would take it." and if the answer is “no” then there are 5 follow up responses.

Expected Results and Application

- We expect a increase in PrEP attitudes and PrEP knowledge.
- We created a webpage that aims to inform women on Prep, STIs, and cervical cancer.
- The page will educate, empower, and inform women on the steps to prevent these illnesses and the screenings that are provided.

References

Arnold, T., Whiteley, L., Elvy, R. A., Ward, L. M., Konkle-Parker, D. J., Brack, J. B., ... & Brown, L. K. (2023). Mapping implementation science with expert recommendations for implementing change (MIS-EBIC): Strategies to improve PrEP use among black cisgender women living in Mississippi. *Journal of Racial and Ethnic Health Disparities*, 10(6), 2744-2761.

Caplon, A., Alexander, K. A., Kershaw, T., & Willie, T. C. (2021). Assessing provider, clinic, and structural-level barriers and recommendations to pre-exposure prophylaxis (PrEP) uptake: a qualitative investigation among women experiencing intimate partner violence, intimate partner violence service providers, and healthcare providers. *AIDS and Behavior*, 25(10), 3425-3436.

Thomann, M., Gresso, A., Zapata, R., & Chasson, M. A. (2018). 'WTF is PrEP?': attitudes towards pre-exposure prophylaxis among men who have sex with men and transgender women in New York City. *Culture, health & sexuality*, 20(7), 772-786.

Johnson, L. M., Green, H. D., Koch, B., Harding, R., Stockman, J. K., & Wagner, K. D. (2021). Correlates of medical mistrust among minority women at risk for HIV and their networks. *Health Education & Behavior*, 48(6), 860-872.

Nydegger, L. A., Dickson-Gomez, J., & Ko, T. K. (2020). Structural and systemic barriers to PrEP adoption among Black women at high risk for HIV: A qualitative exploration. *Culture, Health & Sexuality*, 23(5), 659-673.

Ojikutu, B. O., Amutab-Onukagha, N., Mahoney, T. F., Tibbitt, C., Dale, S. D., Mayer, K. H., & Bogart, L. M. (2020). HIV-related mistrust (or HIV conspiracy theories) and willingness to use PrEP among Black women in the United States. *AIDS and Behavior*, 24, 2927-2934.

Walsh, J. L. (2019). Applying the information-motivation-behavioral skills model to understand PrEP intentions and use among men who have sex with men. *AIDS and Behavior*, 23(7), 1904-1916.