

Use of Preference Elicitation Methods to Inform the Design and Implementation of HIV PrEP Interventions.

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“The vast majority of people have concerns about the **care they receive not being in alignment with what matters to them most**. We [as providers] ask patients less than a quarter of the time about their priorities, and 75% of the time, we deliver care outside of their priorities. And the result is suffering.”



Every year, an astonishing
380,000 ADOLESCENT GIRLS AND YOUNG WOMEN ARE INFECTED WITH HIV.
That's more than 1,000 every day.

Consider sub-Saharan Africa, where
1 IN 4 NEW HIV INFECTIONS
occurs among young women and girls.



In the hardest hit countries,
GIRLS ACCOUNT FOR MORE THAN 80%
of all new HIV infections
among adolescents.

AIDS is the **LEADING CAUSE OF DEATH FOR GIRLS AGED 15-19** in eastern and southern Africa.



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In Tanzania

1.9 million people living with HIV.

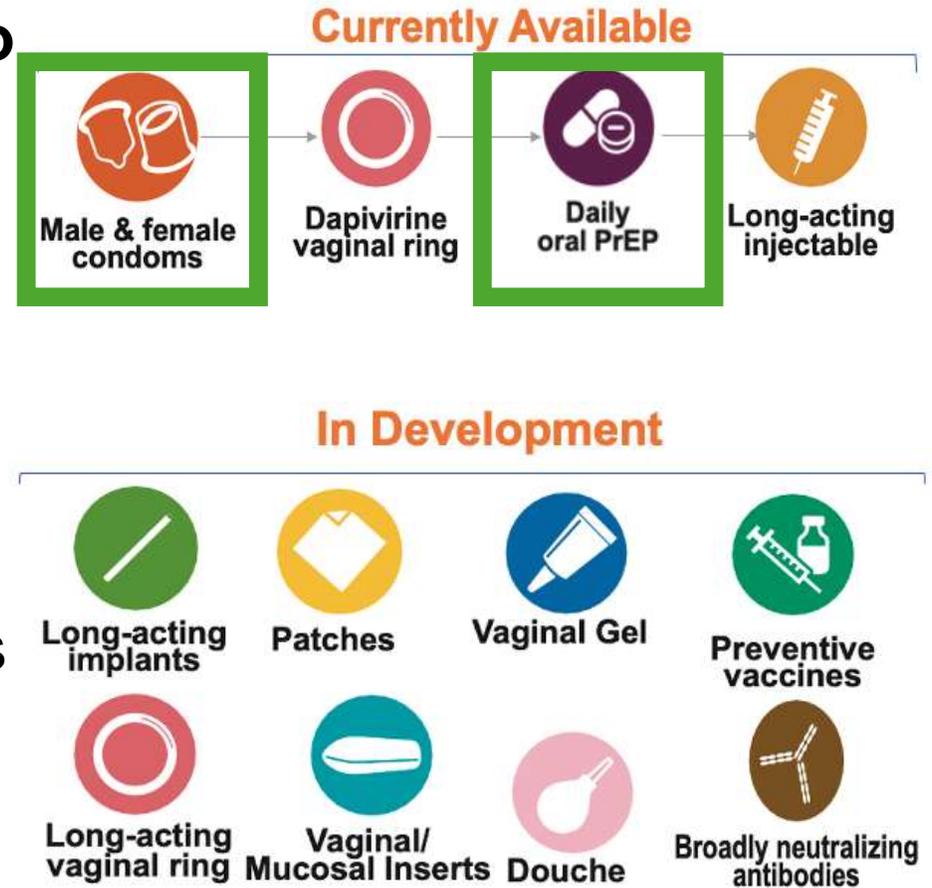
21% of the 32,000 new HIV cases occur in teens and young adults.

30-40% of new HIV infections occur in AGYW.

Only 43% of sexually active AYAs used any form of HIV prevention.

PrEP Options are Preference Sensitive

- Multiple options now more than ever exist to reduce the risk of acquiring HIV.
- People at risk of HIV differ substantially in how they **perceive their risk of HIV** and which prevention strategy they prefer.
- Ideal prevention choices will depend on patients' preferences for prevention outcomes
- **Injectable and oral HIV PrEP are more efficacious strategies** in preventing acquiring HIV in AYAs.



Study Aims

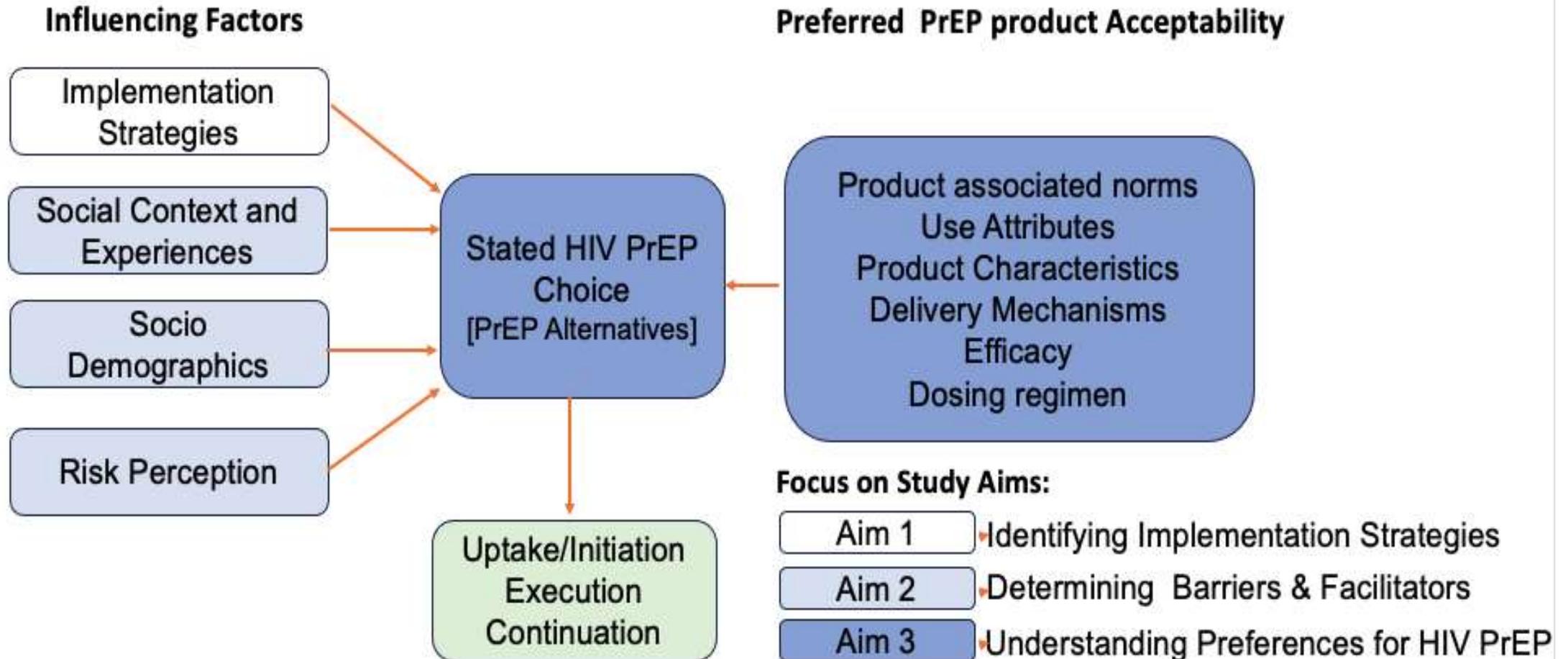
Understanding What Matters Most for Adolescent Girls and Young Women in Need of HIV PrEP

AIM 01: Identify the current implementation strategies used for HIV PrEP Interventions for AGYW in SSA through a **scoping review**

AIM 02: Determine the experiences and barriers faced by AGYW in need of HIV PrEP in Tanzania by using a **qualitative descriptive study**.

AIM 03: **Perform Discrete Choice Experiments** to understand the preference of HIV PrEP intervention options among AGYW in Tanzania

Conceptual Framework



RESEARCH GOAL:
Understanding What Matters Most for AGYW in Need of HIV PrEP

RESEARCH QUESTIONS:

What implementation strategies are used for HIV PrEP interventions in sub-Saharan Africa?
Q1

What are experiences and perceived barriers and facilitators of HIV PrEP uptake for AGYW in Tanzania?
Q2

How do AGYW in Tanzania value different attributes of HIV PrEP interventions?
Q3

OBJECTIVES: Chapter 1-3

Identify HIV PrEP interventions currents in use for AGYW, their attributes and implementation strategies
Scoping Review

Identify themes describing experiences, barriers and facilitators for HIV PrEP uptake among AGYW
Qualitative Study

Identify the most important attributes for HIV PrEP interventions for AGYW in Tanzania
Youth Engaged Approach

GOAL: Chapter 5

Determine preferences for HIV PrEP interventions among AGYW at higher risk of HIV in Tanzania
Discrete Choice Experiment

Chapter 4
DCE Survey Tool

Detour

Formative Detour: HIV PrEP Awareness Poll



Opinions

Stories

Co-Create

Join U-Report, UNICEF's digital community for young people, by young people. Your voice matters.

Join Now

<https://tanzania.ureport.in>

PrEP Awareness & Preference Poll

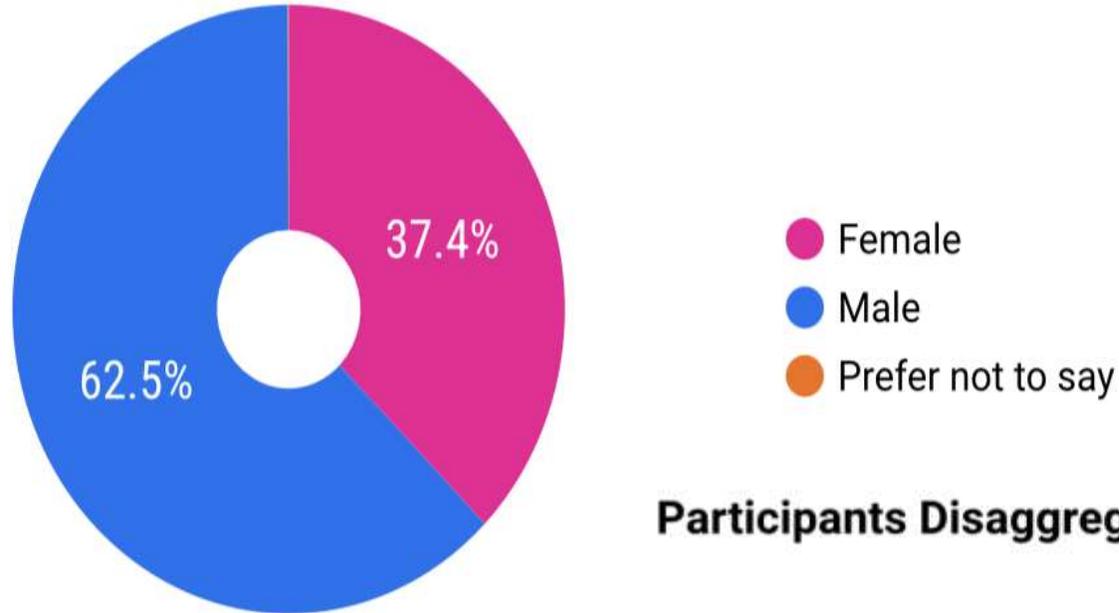
AIM 2a: Quantitative Survey: PrEP Awareness and Preferences in a National Survey of Adolescents and Young Adults in Tanzania

1. How familiar are you with PrEP?
2. Who should consider taking PrEP?
3. If you were to take PrEP, what would be more desirable?
4. And what would be least desirable?
5. If you were to take PrEP, what would you consider the most?
6. Where would you prefer to take PrEP?
7. What strategy do you think will make more adolescents and you take PrEP?

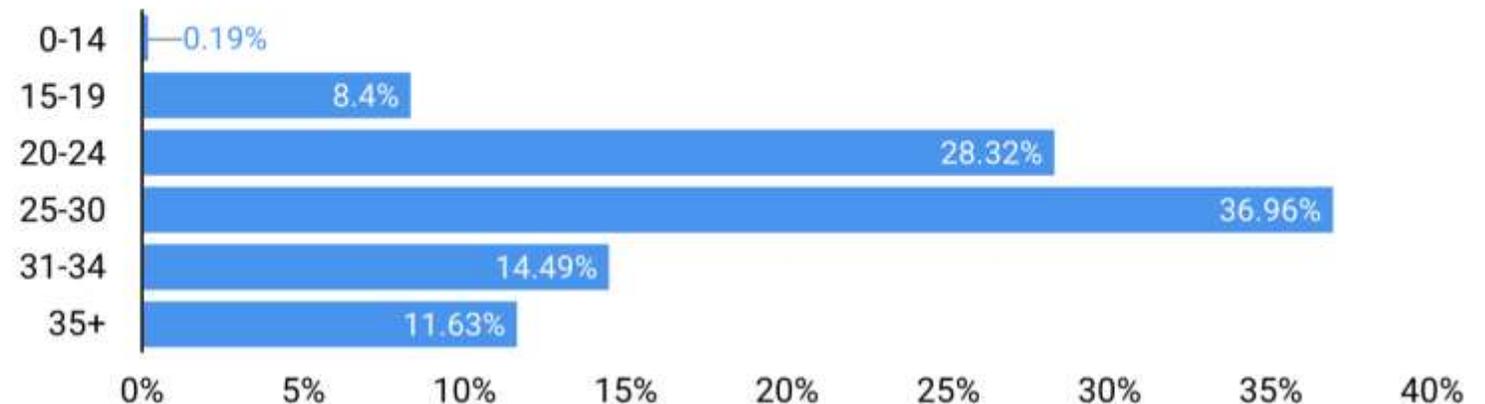
Results

6,501 respondents (11% [722] from Dar es Salaam, 2% [186] from Kilimanjaro)

Participants Disaggregated by Gender

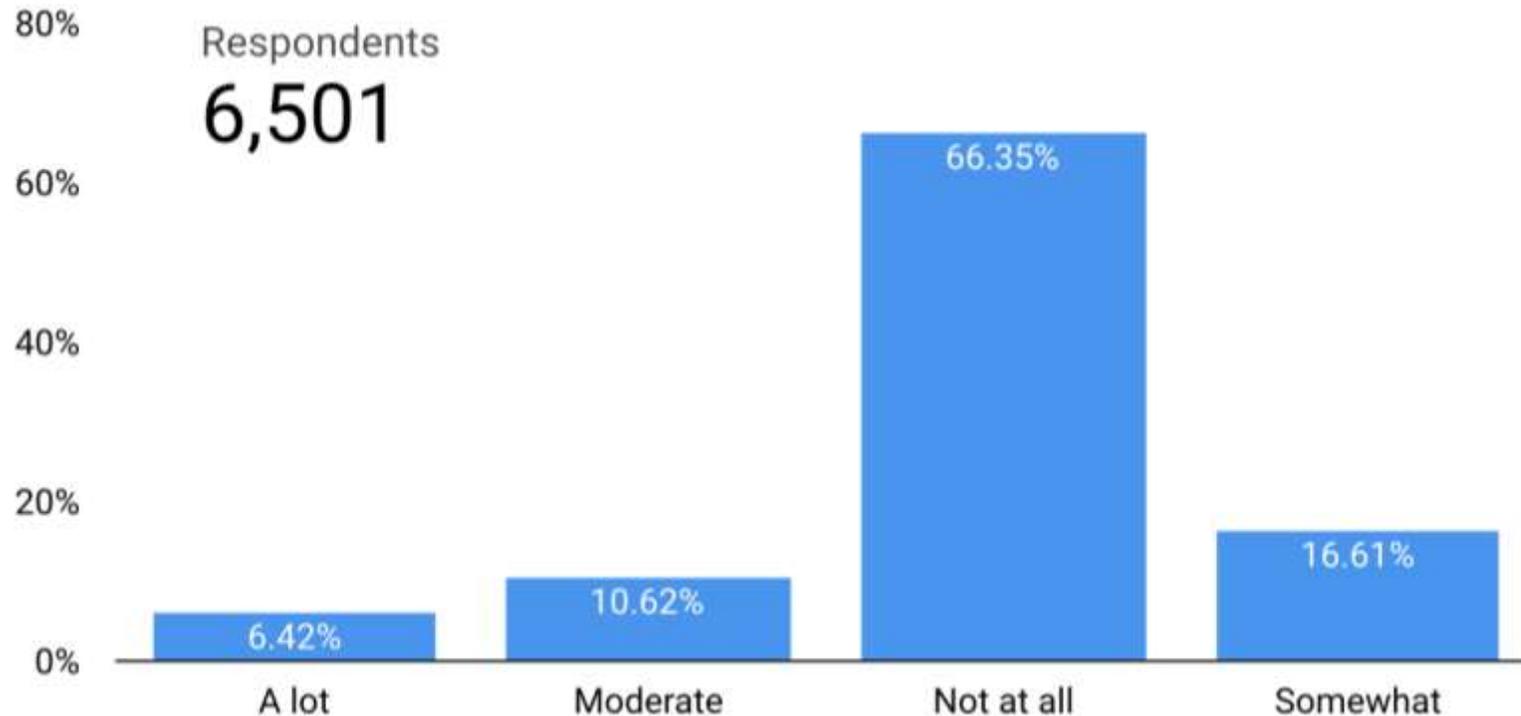


Participants Disaggregated by Age Group

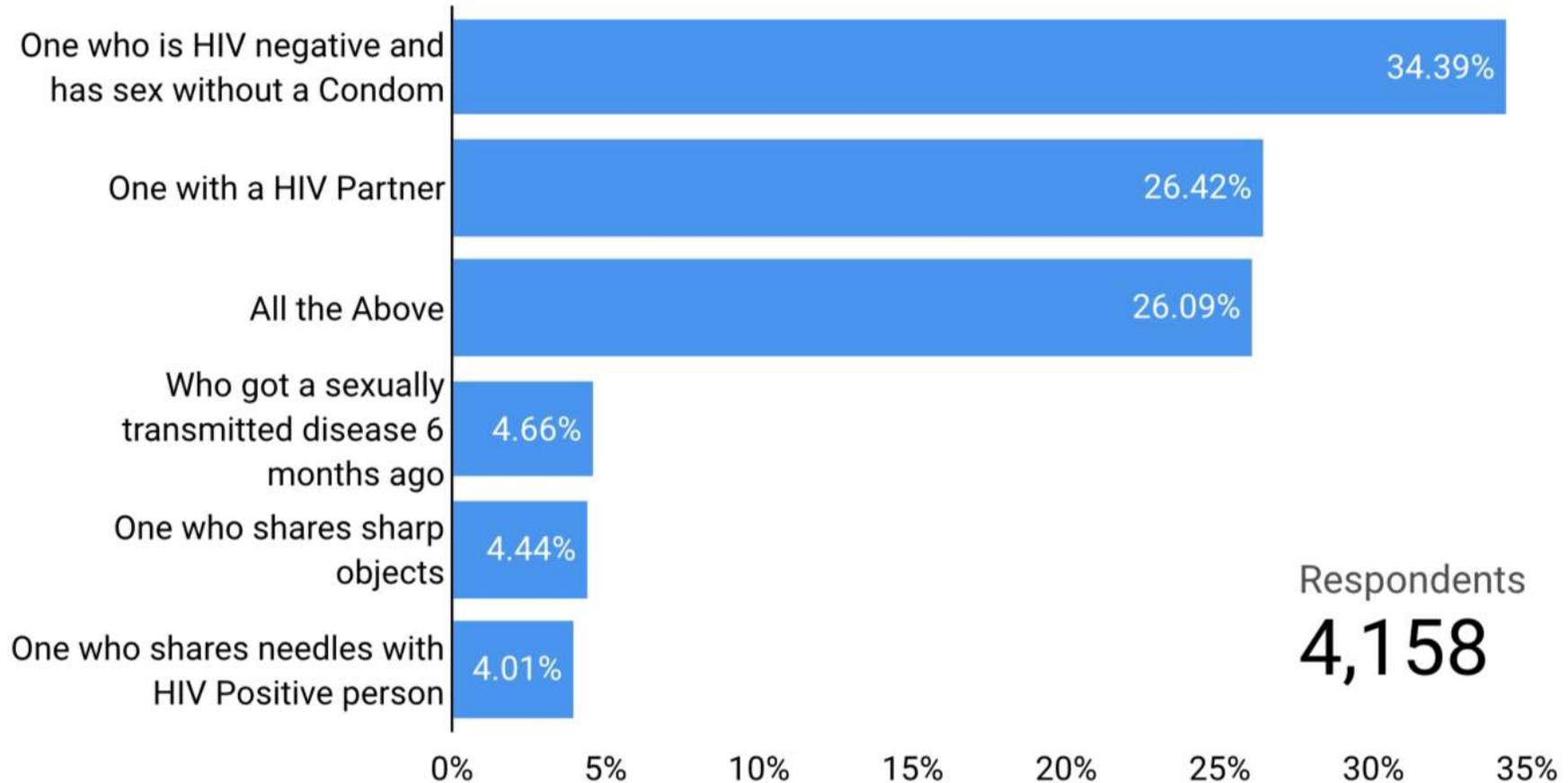


HIV PrEP Familiarity

Out of every 10 participants, 6 people reported that they were not at all familiar with HIV Pre-exposure Prophylaxis (PrEP).



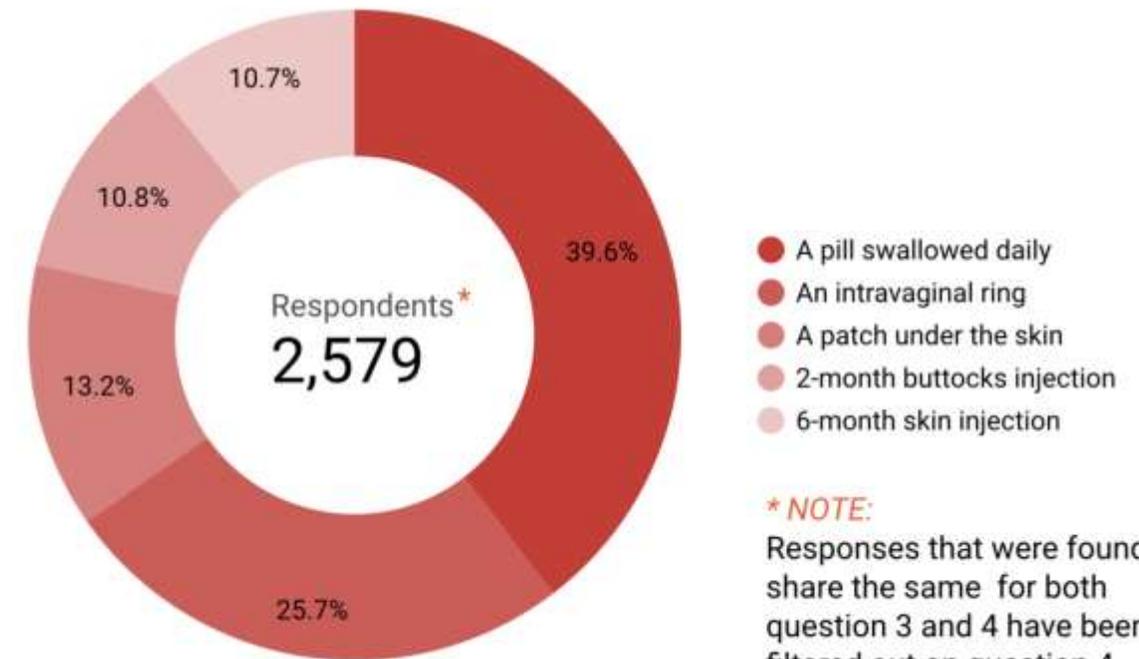
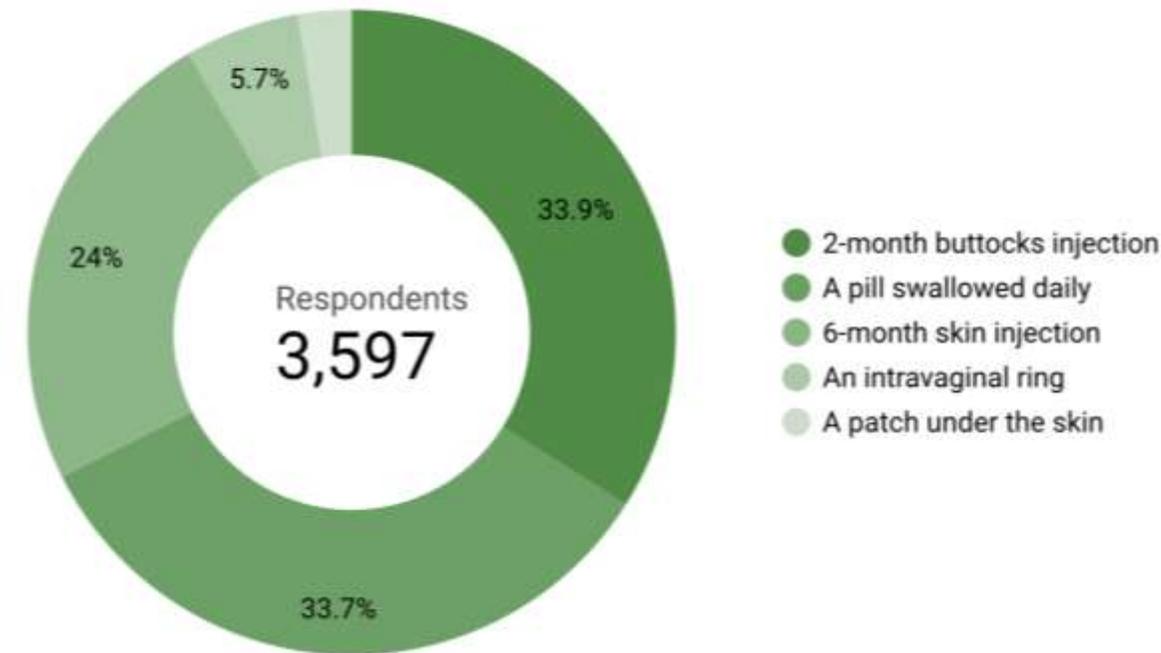
Risk Perception



Most Desirable & Least Desirable

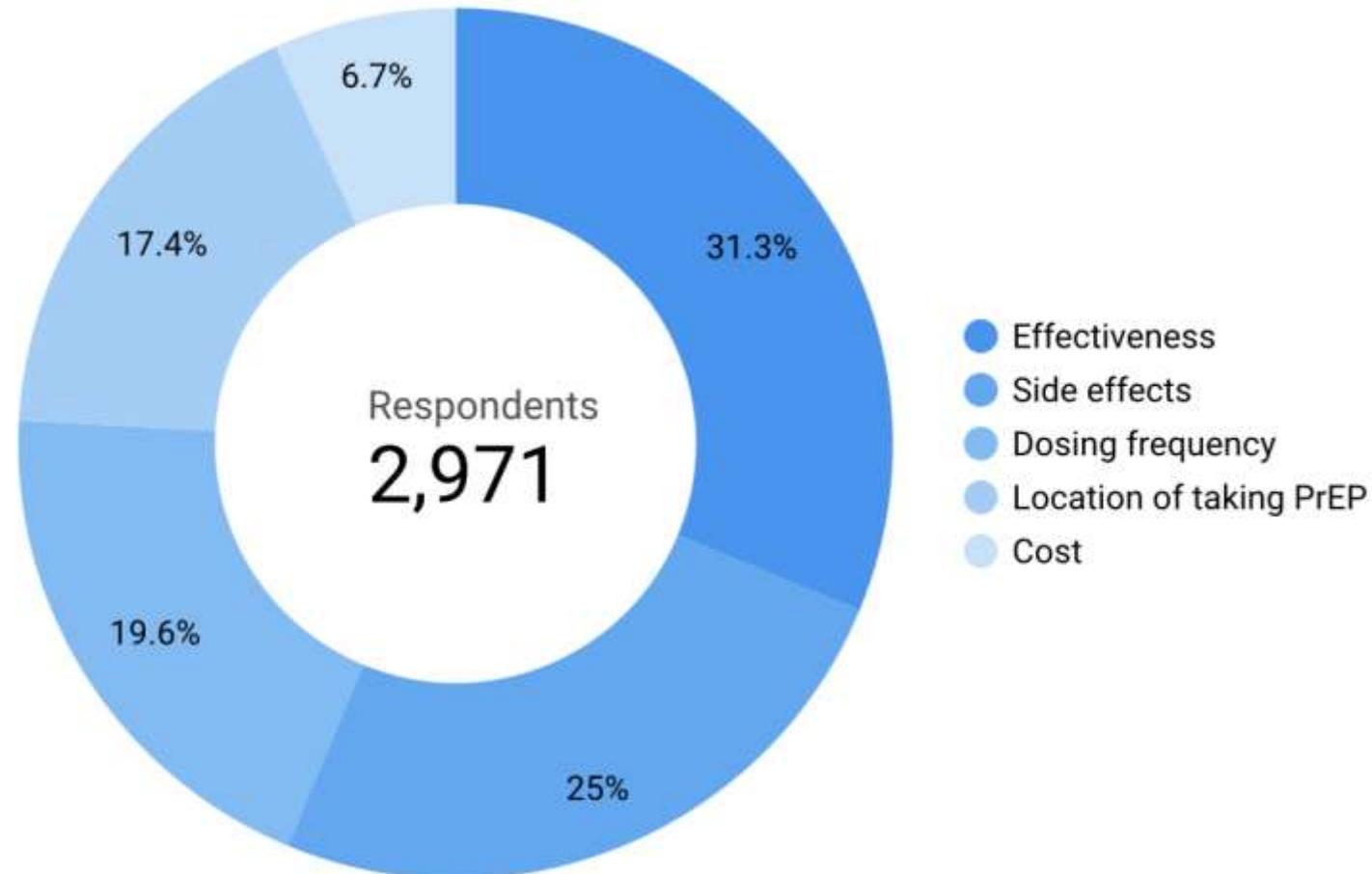
One-third of participants prefer 2-month injections or daily pills, with older individuals leaning towards long-term injection options.

...while 3 in 10 participants consider the daily pill as one of the most desirable methods, it is also the most disliked, with 4 in 10 expressing negative attitudes, reflecting polarized views...



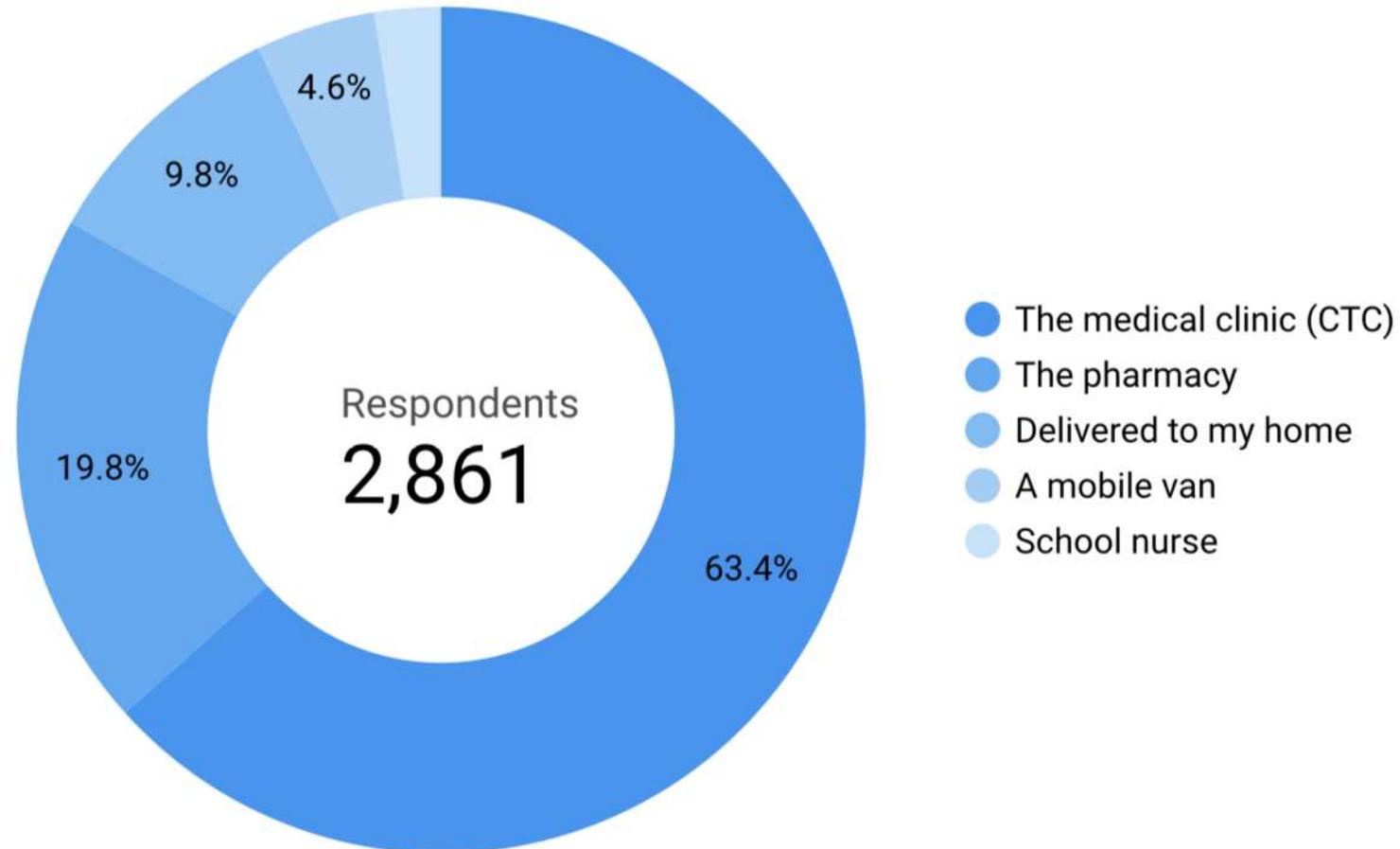
What Matters Most

Effectiveness and side effects are top priorities, while cost ranks lowest; location and dosing frequency remain relevant.



Where to get PrEP

6 in 10 participants would prefer to get PrEP from the CTC Medical Clinic.



Implementation Strategy

7 in 10 prioritize training and education to promote PrEP use among youth, with engagement and tailored interventions emphasized.



Preliminary Conclusion

- Low PrEP Awareness
- 2-month injectable most preferred, oral least preferred
- Effectiveness and side-effect mattered most
- CTC followed by pharmacy where preferred locations to get PrEP
- Training and Education is needed to reach more AYA
- Inform Policy
- Develop an interactive dashboard

Next Steps

- Complete the Scoping Review
- Further Analysis of the Survey Data
 - **Prevalence ratio** for PrEP preference using Poisson Regression
 - **Spatial analysis** for regional distribution
- Use U-Report Chatbot for Data Collection
- HIV PrEP Educational Intervention
- Design the qualitative aim.

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Asanteni Sana



Questions?
Comments?