

A Mixed Methods Study Assessing Readiness for Oral At Research PrEP in a Rural Area of KwaZulu-Natal, South Africa

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Background

Research Question: How will current awareness of and attitudes toward PrEP in a rural district of KwaZulu-Natal affect a future rollout to adolescent girls and young women (AGYW)?

Oral PrEP in AGYW

- The WHO currently recommends oral PrEP to groups at substantial risk for HIV
- Multiple RCTs of PrEP in AGYW populations have shown low rates of adherence, especially in AGYW under 21, pointing to the need for broader support
- Open label trials have shown higher levels of adherence to oral PrEP in AGYW in SSA, showing that a larger rollout to this group is possible and even feasible

Study Setting

- uMkhanyakude is a HIV hyperendemic, poor, rural area in KwaZulu Natal.
- Antenatal HIV prevalence is 40%. HIV incidence for AGYW (15-24) is >5% per annum

Local PrEP Efforts

• PrEP was provided to female sex workers (FSWs) through a community organization with funding from the PEPFAR-led DREAMS Partnership from 2016-2018. No other local coordinated efforts to disseminate the drug have been made

Objectives

Using a mixed methods study nested in a DREAMS programme evaluation in this area, we:

- Estimate the current awareness of PrEP in the general population
- Assess current attitudes to PrEP and sexual/reproductive health services (SRHS) generally among possible gatekeepers
- Identify possible barriers and facilitators to a PrEP rollout to non-FSW, AGYW

Methods

Quantitative

- The Africa Health Research Institute (AHRI) has developed the largest population-based HIV incidence cohorts in the world with a surveillance site in the study area
- We added a DREAMS-specific module to demographic surveys of this cohort, allowing us to measure PrEP awareness and uptake at the population level
- Demographic surveillance was conducted from January to November 2017

Qualitative

- We draw on a purposive sample of 52 potential gatekeepers, spanning the local departments of education and health, DREAMS stakeholders, and non-profit workers facilitating local PrEP provision to FSWs
- In-depth interviews were conducted from May to November 2017
- Interviews addressed beliefs about the HIV epidemic, awareness of PrEP and other HIV prevention tools, and attitudes toward theoretical PrEP provision for AGYW
- Interviews were transcribed, translated from Zulu, and iteratively coded

Results

Characteristics	%	
Gender		
Female	73.1	
Male	26.9	
Age		
Median (Mean, Min-Max)	34 (38.7, 15-100)	
Contraceptive Use		
(Women Only, $N = 5527$)		
Yes (in past 12 months)	39.3	
No (in past 12 months)	59.1	

Table 1: Sample Characteristics (N = 7569)

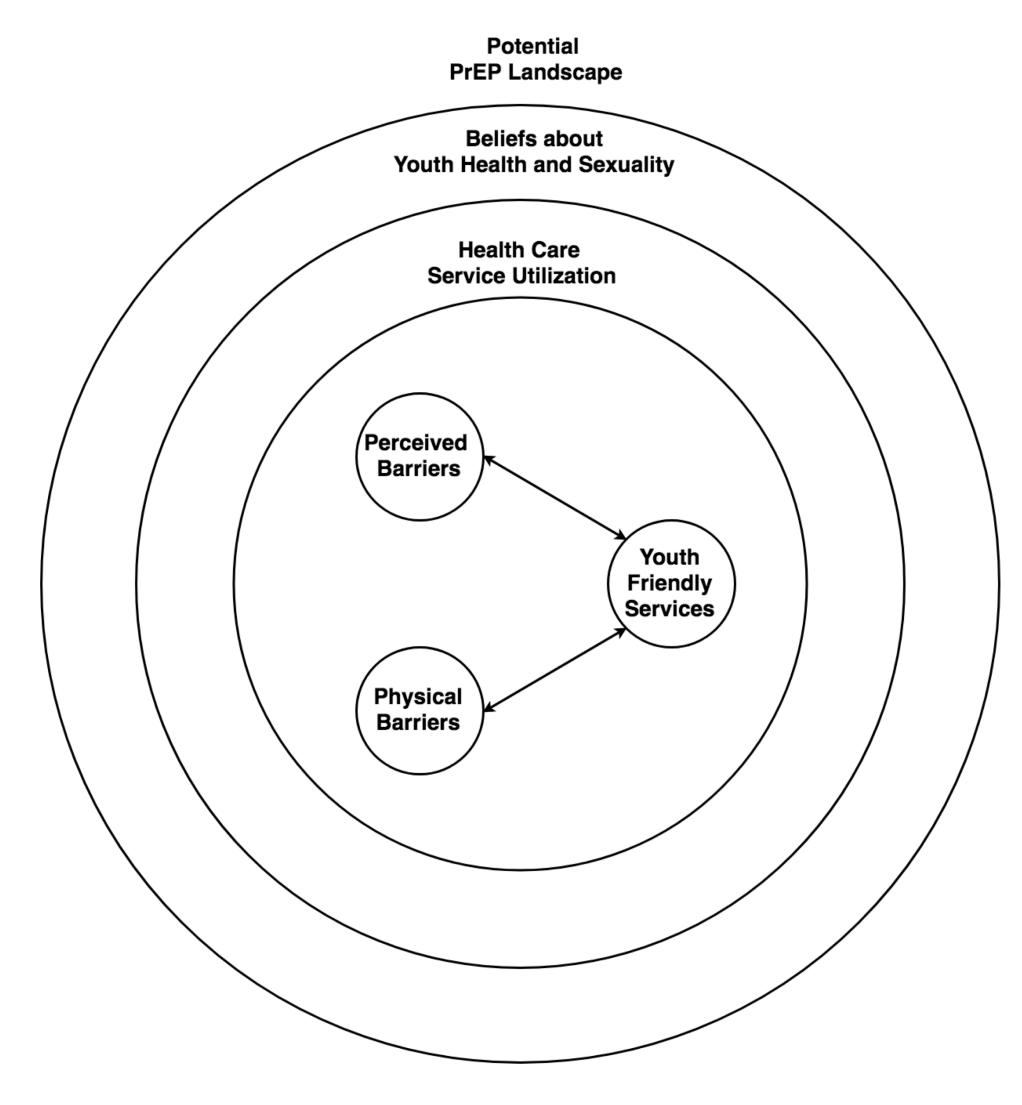


Diagram 1: Conceptual Grouping of **Emerging Codes**

	Male	Female	Total
Yes	24	101	126
	1.18%	1.83%	1.66%
No	1,999	5,397	7,402
	98.28%	97.65%	97.79%
Prefer not to answer	11	29	41
	0.54%	0.52%	0.54%

Table 2: "Have you heard of PrEP?" (N = 7569)

Barriers to PrEP Use in AGYW

- Guardianship: Many interviewed see youth as unable to determine their health needs and see themselves as responsible for making sure youth do the "right" thing
- Health Resource Constraints: Health care workers (HCWs), especially, see the DoH as lacking the resources to handle a PrEP rollout and believe youth avoid clinics because of delays in service provision
- "Scolding Nurses": Many interviewed believe that AGYW avoid seeking SRHS because of fears that they will be shamed by providers

Facilitators to PrEP Use in AGYW

- Abstract Enthusiasm: Community leaders saw a need for PrEP, especially among AGYW, and were not aware of current rollouts to FSWs
- Youth Friendly Services Movement: DoH officials recognize that adolescents perceive clinics as stigmatizing and inefficient and have begun training HCWs to provide fast, tolerant services.
- Peer Support: PrEP initiation among FSWs benefitted from using former sex workers as frontline recruiters and educators

Conclusions

- PrEP could be a critical tool for HIV negative AGYW, but low population awareness presents a major barrier. The disparate rates of knowledge between potential users and community leaders will likely heighten a gatekeeping dynamic during an initial PrEP rollout.
- Community leaders largely approved of PrEP in the abstract but may not be ready to support a rollout to AGYW, especially given that many believed PrEP could make young women more sexually promiscuous, creating a tension between their desires to protect youth from HIV and their fear of unleashing sex and sexuality.
- Given this tension, it may be helpful to market PrEP using narratives of protection that focus on decreasing HIV rates instead of narratives of female empowerment with a more implicit sexual connotation.
- Further support should be given for establishing youth friendly services in clinics. Their existence may help address stated barriers to PrEP and encourage adherence after PrEP initiation.