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Missed opportunities for PrEP uptake: Insights from a London e-service

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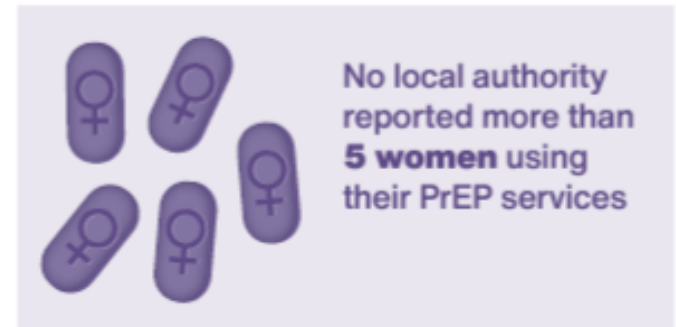
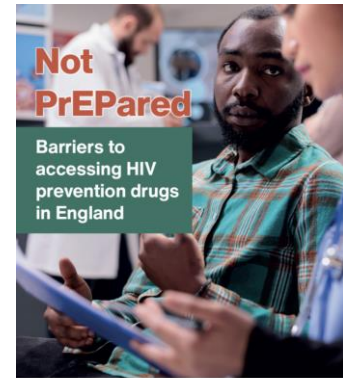
PrEP (In)Equity: London Context

- Equity in PrEP awareness, access and provision is key to achieving 2030 targets of zero transmission.
- PrEP adoption by white GBMSM has been significant and transformed the HIV acquisition landscape.
- However, awareness and uptake has been suboptimal in certain at-risk groups; including **women, trans and non-binary people, racially minoritised groups and heterosexual men.**



PrEP (In)Equity: London Context

- Early reports in the English PrEP IMPACT trial signalled a concerning disparity in PrEP uptake.
- PrEP was nationally commissioned in England in Autumn 2020 – available and free from NHS sexual health clinics.
- Disparities in PrEP uptake continue to persist.



Tight PrEP eligibility assessment should be changed in favour of wider risk-based criteria

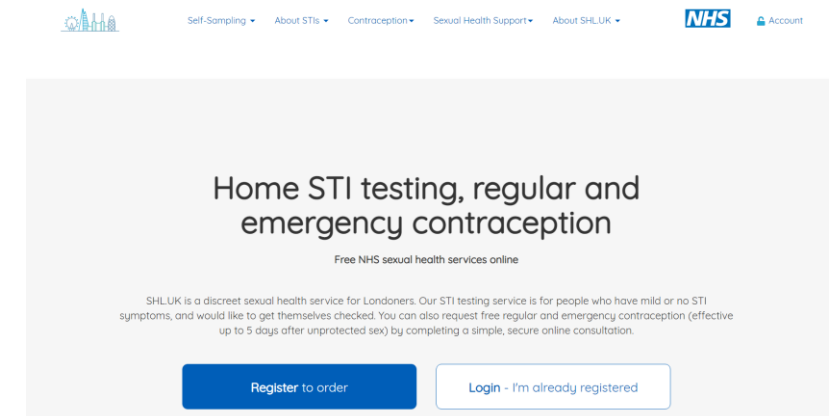
PrEP Uptake and Delivery Cascade



A London e-Service

- London sexual health transformation programme
- Sexual health London
 - Online postal self-sampling service
 - Hybrid Healthcare Solution - Integrates physical sexual health clinics via shared EPR
- Collaboratively commissioned model funded by 30/33 London Boroughs
- Delivered by a consortium: Preventx, Chelsea and Westminster, Lloyds Pharmacy and City of London

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The screenshot shows the top navigation bar of the Sexual Health London website. It includes a logo on the left, a menu with items like 'Self-Sampling', 'About STIs', 'Contraception', 'Sexual Health Support', and 'About SHL.UK', the NHS logo, and an 'Account' link. The main content area features the headline 'Home STI testing, regular and emergency contraception' and the subtext 'Free NHS sexual health services online'. Below this is a paragraph of text describing the service as a discreet STI testing service for Londoners. At the bottom of the main content area are two buttons: 'Register to order' and 'Login - I'm already registered'.



SEXUAL HEALTH LONDON

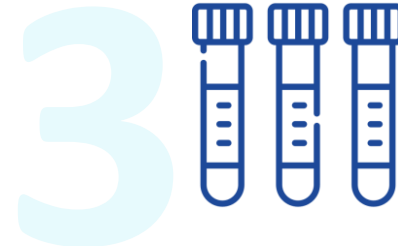
What is OPSS?



A user who wants a test logs on to SH portal and goes through a triage



A kit is offered tailored to need and dispatched to the user



On receiving, the user "self-samples" and returns the kit by post



We receive and test samples, and notify users on results

Triage questions prompting PrEP eligible signposting

- When ordering an online STI kit individuals complete an e-questionnaire which captures **current PrEP use, HIV risk and PrEP eligibility.**
- **If deemed eligible they are signposted to PrEP advice.**

Condomless vaginal/anal sex with HIV+ partner (recent/intention)

MSM/gender minorities and condomless anal sex (recent/intention)

Sex parties, fisting, group sex or anonymous sex

Injects drugs (service user/partner)

MSM/gender minorities treated for rectal STI <12m.

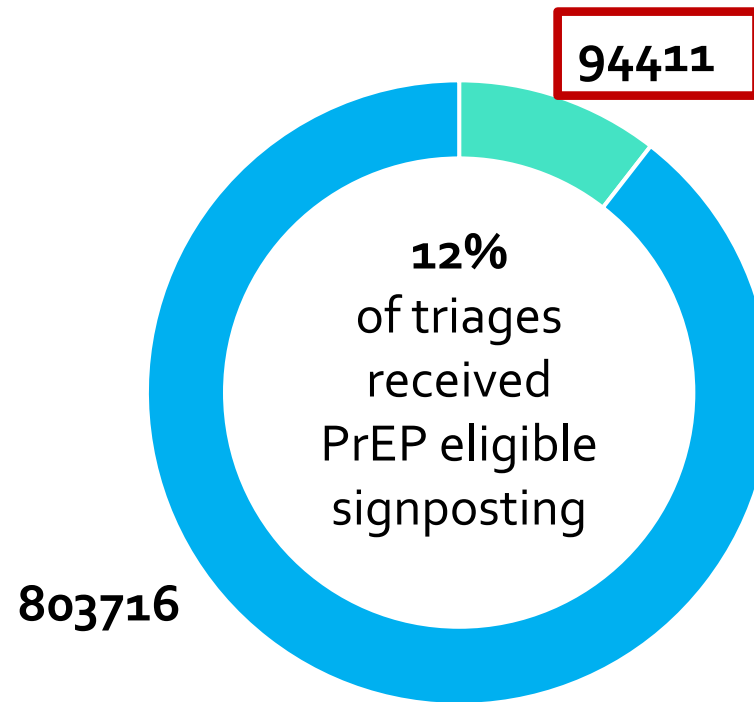
AIM: We sought to quantify and characterise PrEP users and non-PrEP users deemed PrEP eligible and signposted to PrEP advice.

METHODS

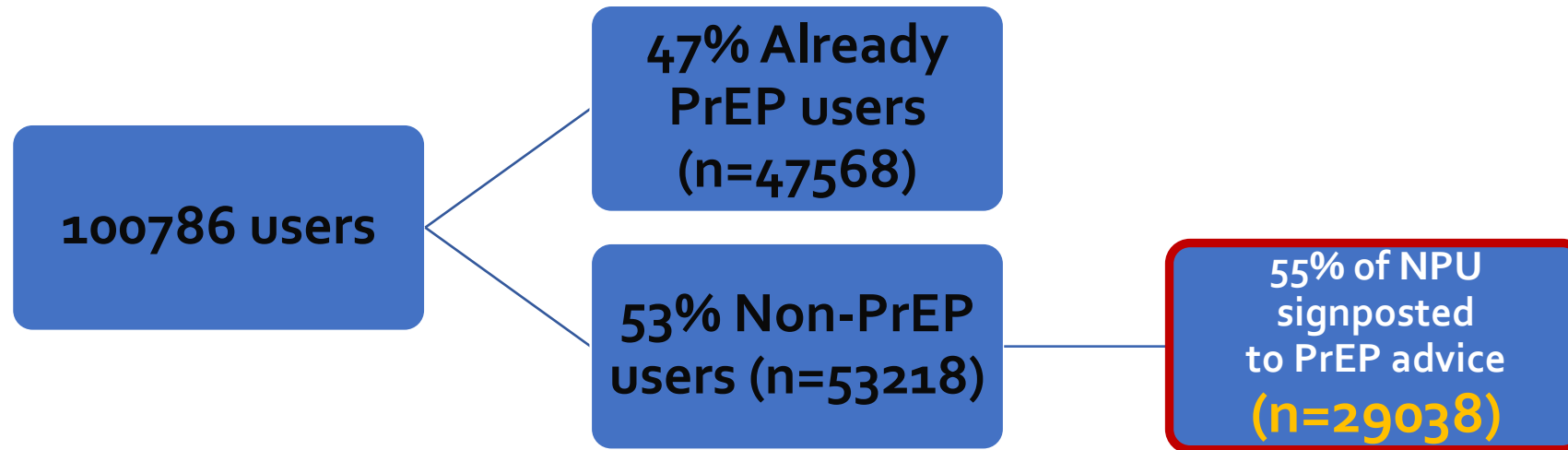
- We conducted a retrospective analysis, between April 2022 and April 2023, to explore the demographics of **PrEP users** and **Non-PrEP users**.
- Focus – **MSM and Black women**
- Stratified by:
 - Age
 - Ethnicity
 - Testing outcomes
 - Reactive HIV test
 - Neisseria gonorrhoeae (NG) positivity
 - Chlamydia trachomatis (CT) positivity

Key Findings

- **395718** unique users requested at least one STI test kit during the study period, completing **803716** triages in total.



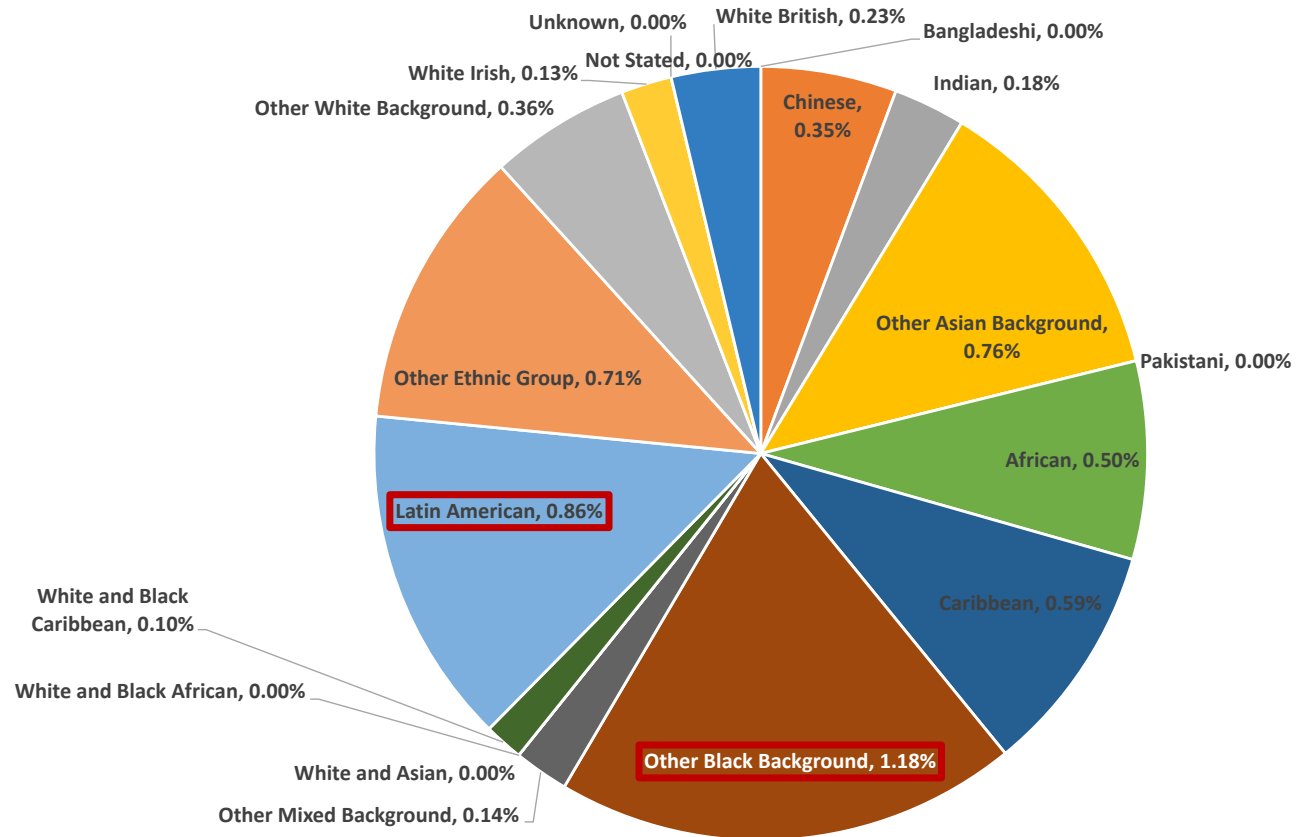
Key Findings: MSM



	PU	NPU
Proportion with reactive HIV test	0.23%	0.32%

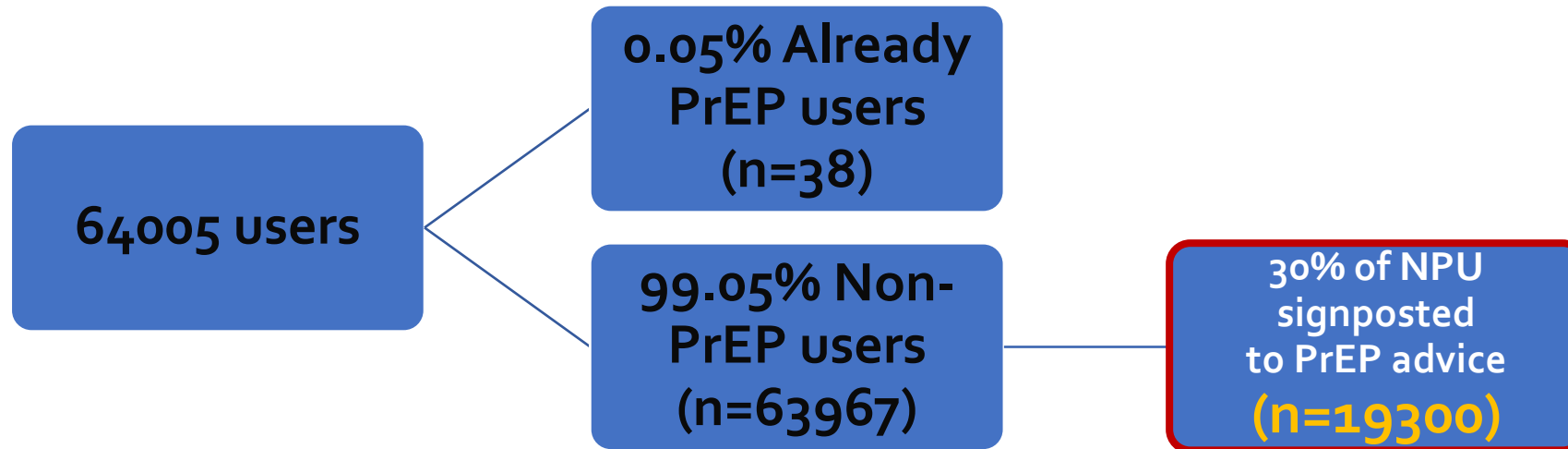
Key Findings: MSM

Proportion of reactive HIV tests amongst NPU: Across ethnic groups



	PU	NPU
Proportion with reactive HIV test	0.23%	0.32%
GC Positivity	8.3%	4.9%
CT Positivity	7.49%	4.39%

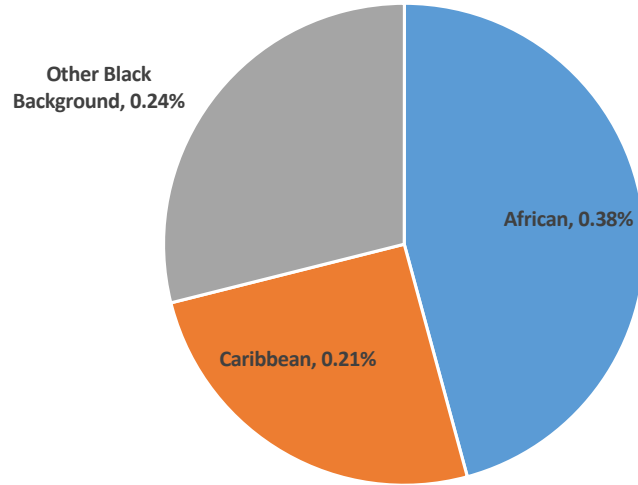
Key Findings: Black Women



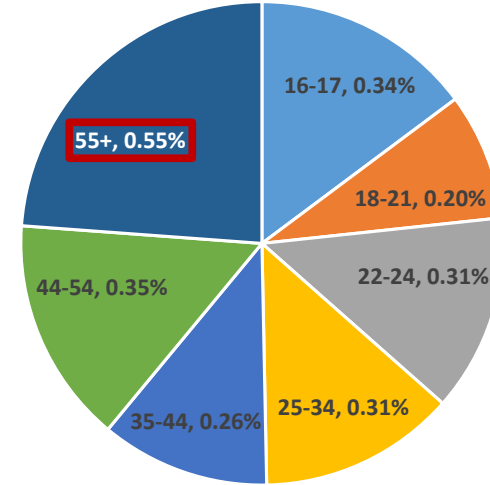
	PU	NPU
Proportion with reactive HIV test	0.0%	0.29%

Key Findings: Black Women

Proportion with reactive HIV test amongst NPU:
Across ethnicities



Proportion with Reactive HIV Test amongst NPU: Across Age groups



	PU	NPU
Proportion with reactive HIV test	0.0%	0.29%
GC Positivity	2.6%	0.5%
CT Positivity	2.63%	3.51%

Key Takeaways

- Data from an London e-service provides insight into the potential magnitude and demographics of missed opportunities within HIV prevention.
 - Over one year
 - **29038 MSM**
 - **19300 Black women**
- More work needs to be done to harness this data into the modelling of services and tailoring interventions.
- A clear need to optimise in-person - Access/Triage/Eligibility/Care experience.
- A clear need to optimise digital PrEP pathways - Awareness and access.

Acknowledgements

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Thank you

Preventx.