



The Impact of Structural Racism and Discrimination on the HIV Pre-exposure Prophylaxis Continuum: **Evidence from a Systematic Review of the Published Literature**



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BACKGROUND

Pre-exposure prophylaxis (PrEP) is an evidence-based intervention shown to effectively reduce HIV infection and is one of the pillars to ending the HIV Epidemic in the US.

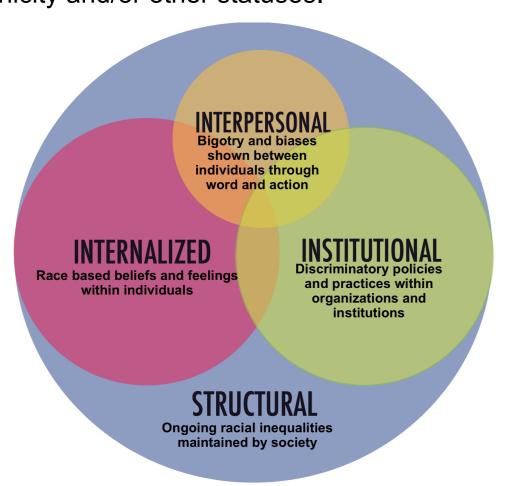
- > PrEP is under-utilized, especially among racial and ethnic minority groups where HIV incidence is the highest.
- > Racial inequities across the PrEP continuum of care exist, which in large part, can be explained by structural barriers.
- > We aim to describe the impact of structural racism and discrimination (SRD) on the pre-exposure prophylaxis continuum.

MATERIALS AND METHODS

We performed a systematic review of the published literature using MEDLINE database for keywords including and related to HIV, PrEP, racism, and healthcare disparities.

Included Studies	Excluded Studies
·	Studies involving only qualitative methods
	Conference proceedings, reviews, and commentaries

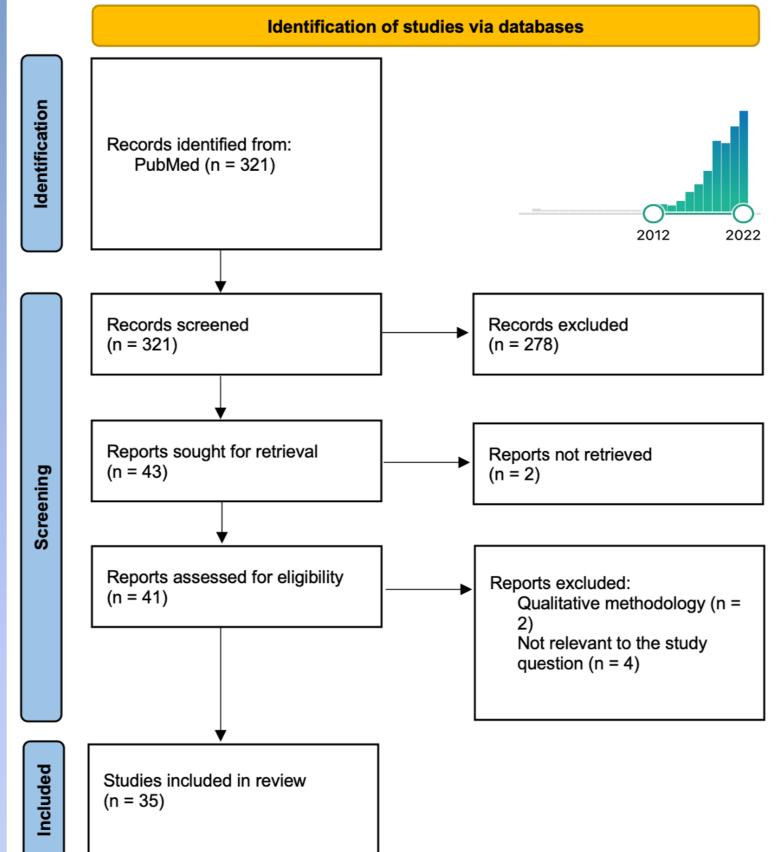
> Main exposure was structural racism and discrimination (SRD) defined as a socially structured action that is unfair or unjustified and harms individuals and groups on the basis of race, ethnicity and/or other statuses.



Outcome measures: PrEP continuum of care including PrEP awareness, access, uptake, adherence and retention in PrEP care.

RESULTS

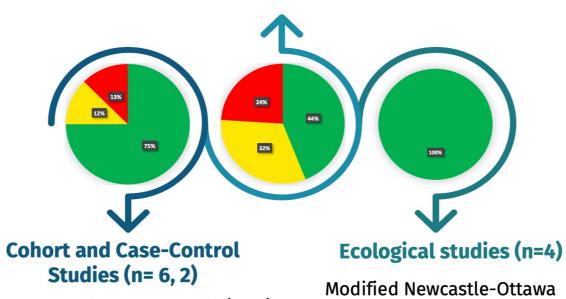
> The search returned 321 papers, from which 35 studies met inclusion criteria.



Quality assessment of the included studies:

Cross-Sectional Studies (n= 23)

The NIH Quality Assessment



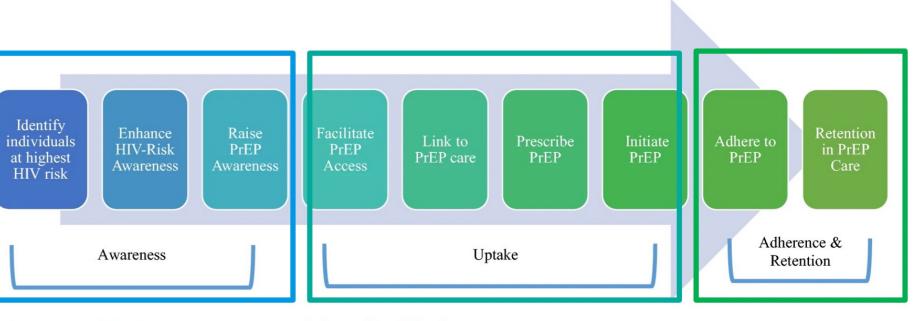
The Newcastle-Ottawa Scale (NOS)

Scale (NOS)

Green=Good Yellow= Fair Red= Poor

RESULTS

Key PrEP outcomes



Interpersonal Racism

- were less willing to discuss and prescribe PrEP to Black patients.

Institutional Racism

 Medical students were far less Structural Racism willing to prescribe PrEP to Black

- decreased intention to prescribe PrEP. (Hull et. al, 2021, Calabrese et. al, 2018, Calabrese et. a

- Access to health insurance was associated with increased use. (Okafor et. al, 2017 Fitch et. al, 2021, Siegler et al, 2018)

increased. (p= 0.034) (Kimball et. al, 2020)

Structural Racism

composition (Pyra et. consisting largely of Black and Latinx communities having

DISCUSSION

- > We found significant race-based differences across all the steps of the PrEP continuum of care with Black and Hispanic patients experiencing worse outcomes compared to White patients.
- > Potential mediators to poor PrEP continuum outcomes include medical mistrust, internalized homonegativity, perceived healthcare-related discrimination, provider related implicit bias and racial stereotypes, and structural factors such as housing instability, food insecurity, insurance status, history of incarceration and poor access to health care.
- > Facilitators to optimal PrEP continuum outcomes included social support, health care access and trust in the medical provider.

CONCLUSIONS

- ➤ SRD → PrEP Continuum impediments at all stages
 - Worsened HIV/PrEP Outcomes
- > Limited data across the board, but especially at the internalized and institutional levels
- > Structural factors worsen disparities in susceptible populations at all stages

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