Updated WHO guidance on pre-exposure prophylaxis (PrEP)

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Presenting on behalf of the WHO HHS PrEP team: Robin Schaefer, Michelle Rodolph, Rachel Baggaley

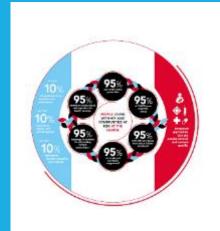




WHO RECOMMENDS ORAL PREP FOR HIV PREVENTION

- ✓ Recommended by WHO for all individuals at substantial risk of HIV since 2015
- ✓ High quality evidence from clinical trials, open-label extension studies and realworld implementation for oral PrEP:
 - ✓ Highly effective when used as directed (effectiveness correlated with adherence)
 - ✓ Safe with few side effects
- ✓ Not protective against other STIs or pregnancy
- ✓ Large-scale uptake, as part of combination prevention, has been associated with population-level decreases in new HIV diagnoses





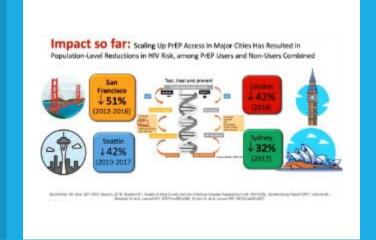
Anderson et al. Sci Transl Med. 2012 Sep 12; 4(151): 151ra125.

Grulich et al. Lancet HIV. 2018 Nov;5(11):e629-e637.

Eastcourt et al. AIDS. 2021 Mar 15;35(4):665-673.

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Zimmerman et al Arch Sex Behav. 2021 Feb 22. doi: 10.1007/s10508-020-01833-5



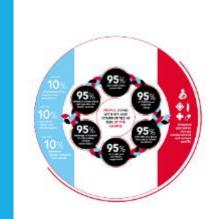




WHO RECOMMENDS ORAL PREP FOR HIV PREVENTION

- ✓ PrEP is empowering and has psychological benefits including reduced shame and fear
- ✓ PrEP is an additional prevention option; filling a prevention gap
- ✓ PrEP is an important HIV prevention tool, featuring in the political declaration 2021 and Global AIDS strategy, and is integral to the global 95% target for comprehensive prevention for 2025





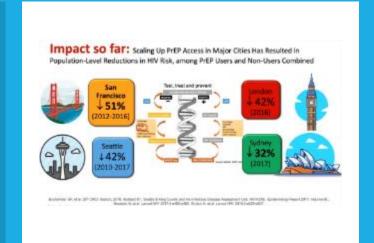
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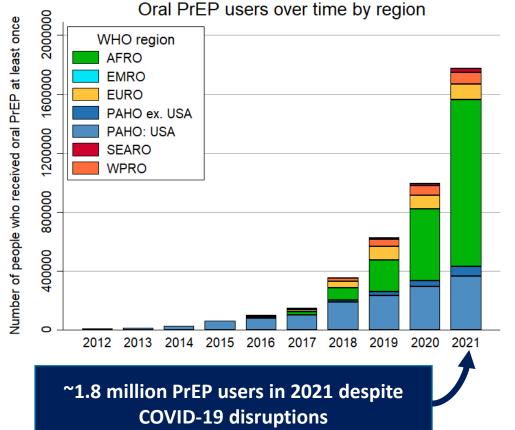


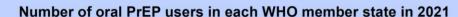


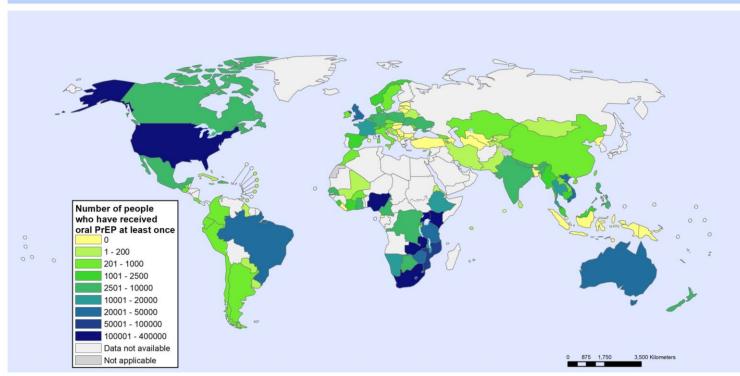


Number of people who received oral PrEP at least

once in a year







The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

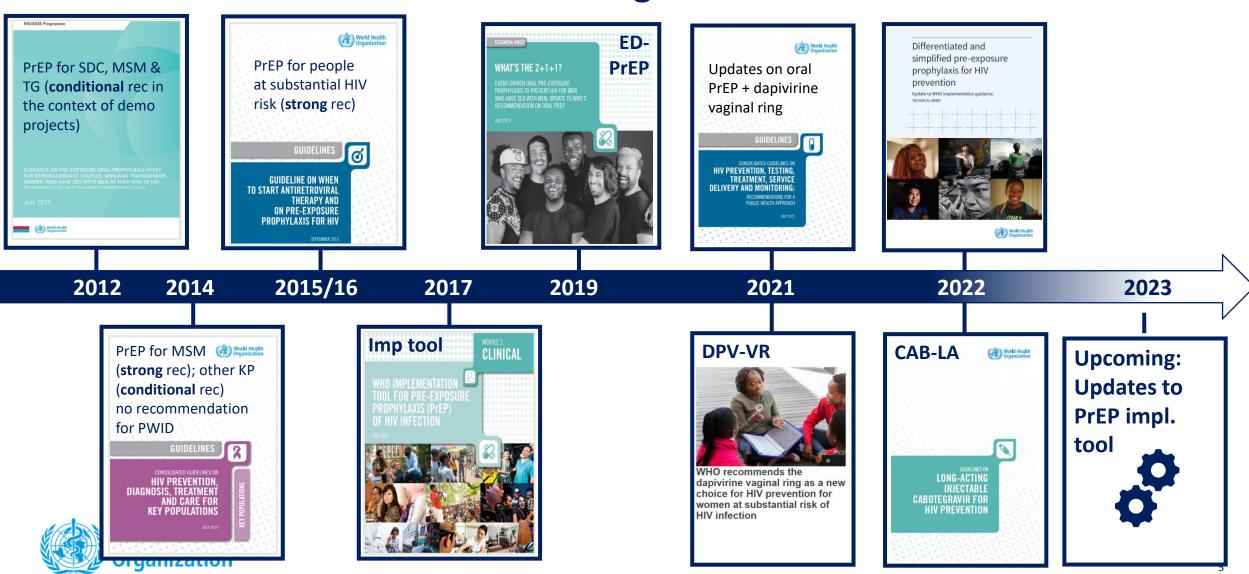
Data Source: WHO; GAM Map Production: HQ UCN/HHS/TPP World Health Organization



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WHO PrEP recommendations and guidance

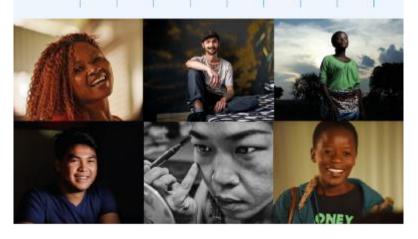


Accelerate PrEP scale-up through differentiated and simplified PrEP services

- > Technical brief includes guidance on:
 - ➤ Starting, stopping and ED-PrEP
 - > Kidney function monitoring
 - ➤ Viral hepatitis
 - ➤ HIV self-testing
 - ➤ Differentiated service delivery models
- The focus of the technical brief is **oral PrEP**
 - Guidance on CAB-LA (and DVR) as relevant

Differentiated and simplified pre-exposure prophylaxis for HIV prevention

Update to WHO implementation guidance TECHNICAL BRIEF





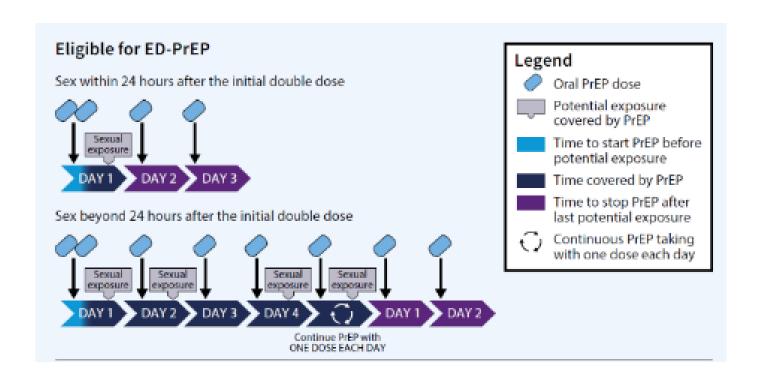


Starting, using and stopping TDF-based oral PrEP: ED-PrEP dosing

Population	Starting oral PrEP	Using oral PrEP	Stopping oral PrEP
Cisgender men¹ with sexual exposure, irrespective of the gender of the partner (i.e. including gay, bisexual and heterosexual men) Transgender women and other trans and gender diverse people assigned male at birth who: • have sexual exposure AND • not taking exogenous estradiol-based hormones	Double dose 2–24* hours before sexual exposure * ideally closer to 24 hours	1 dose per day	1 dose per day until 2 days after day last potential sexual exposure



Starting, using and stopping TDF-based oral PrEP: ED-PrEP dosing



Individuals eligible for event driven (ED-PrEP) dosing start and stop PrEP using the same approach, whether they intend to use PrEP:

- every day (daily)
- for one event (ED-PrEP) or
- multiple events (ED-PrEP)



Starting, using and stopping TDF-based oral PrEP: ED-PrEP dosing

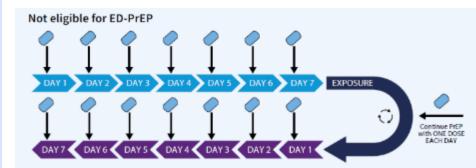
	Population Broader eligibility	Starting oral PrEP	Using oral PrEP	Stopping oral PrEP
	Cisgender men ¹ with sexual exposure, irrespective of the gender of the partner (i.e. including gay, bisexual and heterosexual men)	Double dose 2–24* hours before sexual		1 dose per day until
	Transgender women and other trans and gender diverse people assigned male at birth who:	exposure	1 dose per day	2 days after day last potential sexual exposure
	• have sexual exposure AND	* ideally closer to 24		poteritiai sexuai exposure
•	not taking ex Key points			

- Expanded eligibility for ED-PrEP to prevent sexual acquisition of HIV: no longer just for MSM
- HBV infection no longer a contraindication for oral ED-PrEP dosing



Starting, using and stopping oral PrEP: daily dosing

Population	Starting oral PrEP	Using oral PrEP	Stopping oral PrEP
Cisgender women and trans and gender diverse people assigned female at birth (including transgender men) Cisgender men and trans and gender diverse people assigned male at birth (incl. transgender women) taking exogenous estradiol-based hormones	1 dose daily for 7 days before exposure	1 dose per day plified startin stopping	1 dose per day for 7 days after last potential exposure g and
People using oral PrEP to prevent HIV			



Key points

If not eligible for ED-PrEP: Start daily oral
 PrEP with 7 doses and stop with 7 doses

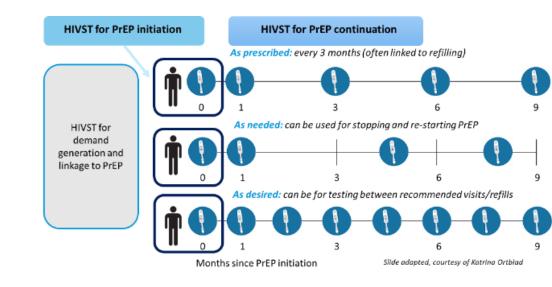


acquisition from injecting practices

including men who inject drugs

Other key messages: PrEP is part of a service

- PrEP as part of a service should be flexible to the needs and preferences of the clients:
 - Regular HIV testing is required before and during use
 - HIVST can be used to complement existing testing strategies
 - HIVST may be preferred for convenience, privacy, and self-managed care
 - HIVST may reduce clinic visit
 - **Kidney function** testing MAY be required (within 1-3 months of initiation) depending on age and co-morbidities
 - Testing for hepatitis B and C viruses is encouraged within
 1-3 months of initiation but not required
 - Regular testing for STIs is highly encouraged





Differentiated service delivery supports scale-up, access, acceptability

Differentiated PrEP services:

- Person- and community centred (i.e. adapted to end user needs & preferences)
- Support making services more accessible and acceptable
- May improve uptake, persistence, effective use

DSD building blocks provide a framework for: initiation, follow-up, re-initiation and switching between PrEP products

What do MEN NEED and VALUE from a service?



	PrEP initiation and re-initiation	, initial follow-u	p (0–3 months),	PrEP continuation (3+ months)	
Building block	Initiation	Initial follow- up (0–3 months) (if required)	Re-initiation after discontinuation	PrEP refill	Follow-up
Where: Service location (e.g., primary health care facility, community setting, virtual setting)	Locations for PrEP assessment and initiation	Locations for initial follow- up	Locations for PrEP re-initiation	Locations where PrEP refills can be collected	Locations where follow- up services will be provided
Who: Service provider (e.g., physician, nurse, pharmacist, peer)	Service provider/s authorized to assess for and initiate PrEP	Service providers who can carry out initial follow- up visit/s	Service provider/s authorized to re- initiate PrEP	Service provider/s who can dispense PrEP refills	Service provider/s who conduct follow-up
When: Service frequency (e.g., monthly, every 3 months)	Timing of PrEP assessment and initiation	Timing of initial follow- up	Timing of PrEP re-initiation	Frequency of PrEP refill visits (length of supply)	Frequency of follow-up services
What: Service package (including HIV testing, clinical monitoring, PrEP prescription and dispensing, and comprehensive services)	Service package for PrEP assessment and initiation	Service package at initial follow- up	Service package for PrEP re- initiation	Service package with PrEP refill	Service package with follow-up

Differentiated services for PrEP for men:

what are the options?

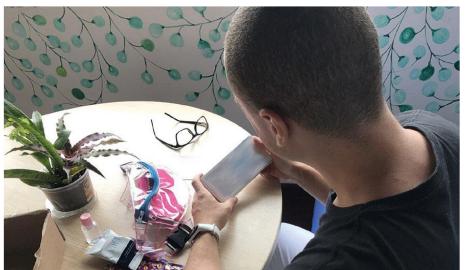
WHERE: service location

WHO: service provider

WHEN: service frequency

WHAT: service package









Offering choice in PrEP products may increase demand, uptake and effective use of HIV prevention

New recommendation

Long-acting injectable cabotegravir may be offered as an additional prevention choice for people at substantial risk of HIV infection, as part of combination prevention approaches (conditional recommendation; moderate certainty of evidence).

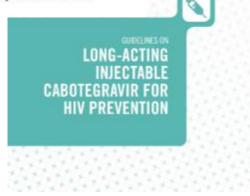
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28 July 2022 | News release
WHO recommends long-acting
cabotegravir for HIV prevention



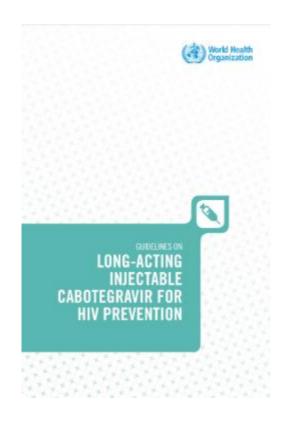


Offering choice in PrEP products may increase demand, uptake and effective use of HIV prevention

New recommendation

Long-acting injectable cabotegravir may be offered as an additional prevention choice for people at substantial risk of HIV infection, as part of combination prevention approaches (conditional recommendation; moderate certainty of evidence).

- Highly efficacious (HPTN083 included MSM)
- Has a good safety profile
- Delivered as an intramuscular gluteal injection every 2 months (first 2 injections delivered 1 month apart)
- Often acceptable to communities and may be preferred to oral PrEP by some people: choice is critical
- Priority to support CAB-LA as an additional option for PrEP <u>alongside</u> oral PrEP (and DVR) and other prevention
- Implementation science urgently needed to fill evidence gaps





Consider when providing PrEP to men

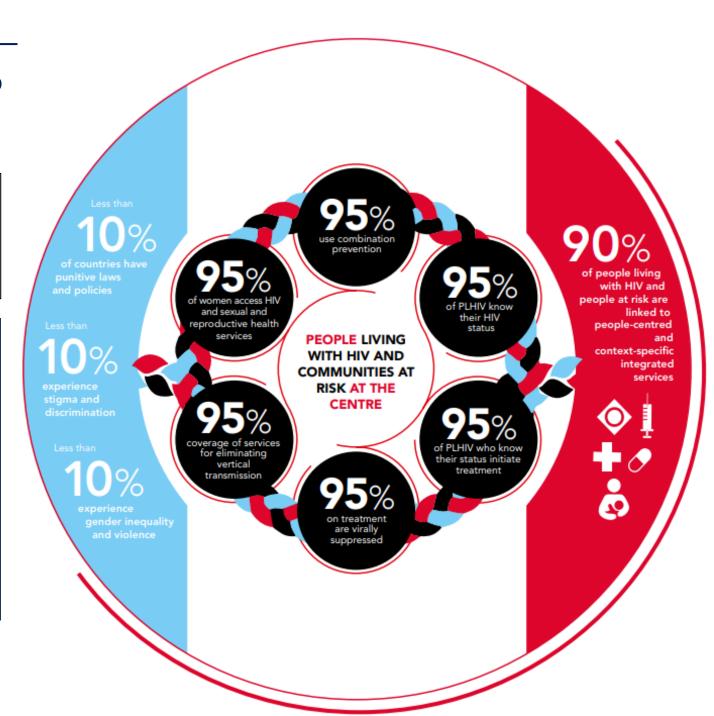
Differentiated and simplified services for PrEP and **product choice** contribute to **scale-up**, **uptake** and **persistence** and **effective use**

Addressing
stigma,
discrimination,
and
criminalization is
critical to create
enabling
environment





https://www.who.int/publications/i/item/9789240052390



Thank you!

Thanks to the WHO HHS Testing, Prevention, and Populations team for contributions to this presentation.

Contact the PrEP team for questions or comments:

- Rachel Baggaley: baggaleyr@who.int
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- Robin Schaefer: schaeferr@who.int
- Heather-Marie Schmidt: schmidth@unaids.org
- Maeve Britto de Mello demellmae@who.int For STIs

WHO's global work on PrEP:

https://www.who.int/teams/global-hiv-hepatitis-and-stis-programmes/hiv/prevention/pre-exposure-prophylaxis WHO Global PrEP Network webinars:

https://www.who.int/groups/global-prep-network



Find the new Technical Brief here: https://www.who.int/publications/i/item/9789240053694

Other new and upcoming WHO PrEP & PEP guidance

- Guidelines on long-acting injectable cabotegravir (CAB-LA): out now!
- Updates to the WHO PrEP Implementation Tool
 - Clinical module 2023
- WHO is looking into ways to expand community access to PEP

Thanks to everyone who contributed to the Technical brief (too many to list – please check the acknowledgement of the document!)