

Selected References and Resources for PrEP

Updated November 2024

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Ending the HIV Epidemic in the U.S

[HRSA webpage](#)

AIDS Education and Training Centers

[The AIDS Education and Training Center \(AETC\) National Coordinating Resource Center \(NCRC\)](#)

[Regional AIDS Education and Training Centers](#)

IAS/CROI Summary/Updates

IAS 2024 [PrEP in All Shapes and Sizes at AIDS 2024](#)

Paul Sax and Dr Laura Waters [IAS 2024 Summary](#) (PrEP is at the beginning of the video)

AVAC [Highlights from CROI 2024](#) and [Highlights from CROI 2023](#)

Paul E Sax: [Really Rapid CROI 2024 Review](#) and [Really Rapid CROI 2023 Review](#)

Clinical Curricula, Guidelines, Other Capacity-Building

CDC: PrEP 2021 [Clinical Practice Guidelines](#) and [Provider's Supplement](#):

New York State: [PrEP to Prevent HIV and Promote Sexual Health Guideline](#)

AIDS Education and Training Centers (AETC)

- [HIV Care Tools](#): app with point-of-care tools for HIV screening, prevention, and care

Alameda County Public Health Department | San Francisco Department of Public Health

- [Provider Handout on PrEP](#) (with useful tables, quick reference guide for prescribing, labs, etc)

Black Public Health Academy

- [For Us, By Us: A Master Plan for PrEP in Black America](#)

i-base^[HS1]

UK Guide to PrEP: https://www.healio.com/news/infectious-disease/20240305/prep-use-up-hiv-incidence-down-data-show?utm_source=AVAC+Email+Updates&utm_campaign=0072993751-EMAIL_CAMPAIGN_2024_03_08_04_47&utm_medium=email&utm_term=0_-0072993751-%5BLIST_EMAIL_ID%5D^[HS2]

Note: Different toolkits/guidelines may have different recommendations related to on-demand dosing, “loading doses”, time to protection, and discontinuing PrEP. Eg UK PrEP Guidelines + on-demand/event-driving dosing, based on newer modeling data (see Collins, S. (2024). *Modelling study challenges links between gender and PrEP: event-based dosing and easier daily dosing should work for all*. Retrieved from: <https://i-base.info/htb/47163>)

Training/Capacity Building

National HIV Curriculum (University of Washington)

- [Non-occupational Post-Exposure Prophylaxis](#)

National HIV PrEP Curriculum (University of Washington)

- <https://www.hivprep.uw.edu/> (Free CE, includes an app for HIV PrEP tools)

Black AIDS Institute

- [Black Women and PrEP Toolkit](#)

APhA

- [Pharmacy-based HIV Prevention Services: 12 hour certificate training program](#)

National LGBTQIA+ Health Education Center

- [HIV ECHO Program](#)

icap Global Health

- [icap's Pre-exposure Prophylaxis \(PrEP\) Package for Providers: PrEParing for Choice](#)

*Note: Different toolkits/guidelines may have different recommendations related to on-demand dosing, “loading doses”, time to protection, and discontinuing PrEP. For example, icap does not recommend on-demand dosing for **anyone** on gender-affirming hormones, which is different from our recommendations and UK PrEP Guidelines recommendations (also see [Gender Affirming Hormones Do Not Affect the Exposure and Efficacy of F/TDF or F/TAF for HIV Preexposure Prophylaxis: A Subgroup Analysis from the DISCOVER Trial](#)) and Prep-rx website re transgender women and on-demand dosing [here](#). Please call us on the PrEP line for any questions.

PrEP-Rx:

- PrEP-Rx aims to educate health care providers on PrEP and assist providers in the appropriate targeting of patients at increased risk for HIV, initiating PrEP when appropriate, and providing guidance on the ongoing monitoring and adherence counseling of patients on PrEP-also has helpful tools/patient handouts.

Clinical Care Options

The STD Prevention Training Center at Johns Hopkins:

Pharmacy-based PrEP Programs – A virtual community of practice (uw.edu)

[The Intersection of Misogynoir: Obstetric Racism & HIV, a 3-part series](#), Dr. Karen A. Scott, MD, MPH, FACOG

Cabotegravir-Long Acting Injectable PrEP

California PTC

AAHIV: [Long-Acting Injectable PrEP](#) from AAHIV

NCCC PrEP Champion Preceptorship

[Alternative Site Administrators \(ASA\)](#) to refer patients out to receive injection at another office

[Coordinating Implementation Science for CAB for PrEP: HIV Testing](#) by AVAC/BioPIC and WHO

Pregnancy and PrEP-Ception

[Antiretroviral Pregnancy Registry](#)

[CTSI Distinguished Speaker Series I Karen Scott](#)

American College of Obstetricians and Gynecologists (2014) (Reaffirmed 2020).
Number 595. [Preexposure Prophylaxis for the Prevention of Human Immunodeficiency Virus.](#)

Guidelines Working Groups of the NIH Office of AIDS Research Advisory Council (2021). [Pre-exposure Prophylaxis \(PrEP\) to Prevent HIV During Periconception, Antepartum, and Postpartum Periods \(section updated January 2024\).](#)

Guidelines Working Groups of the NIH Office of AIDS Research Advisory Council (2021). [Pre-pregnancy Counseling and Care for Persons of Childbearing Age with HIV. See Section: Pre-Exposure Prophylaxis \(PrEP\) and Other Options for Partners with Differing HIV Statuses and Inconsistent and Unknown Viral Suppression \(section updated January 2024\).](#)

HIVE (2022). [Fertility](#)

Mofenson, Lynne M.; Baggaley, Rachel C.; Mameletzis, Ioannis Tenofovir disoproxil fumarate safety for women and their infants during pregnancy and breastfeeding, AIDS: January 14, 2017 - Volume 31 - Issue 2 - p 213-232
doi: 10.1097/QAD.0000000000001313

Mugwanya, K. K., Hendrix, C. W., Mugo, N. R., Marzinke, M., Katabira, E. T., Ngure, K., ... & Baeten, J. M. (2016). Pre-exposure prophylaxis use by breastfeeding HIV-uninfected women: a prospective short-term study of antiretroviral excretion in breast milk and infant absorption. PLoS medicine, 13(9), e1002132

On-Demand/2-1-1 Dosing

[Prep-Rx](#)

Saberi P, Scott HM. [On-Demand Oral Pre-exposure Prophylaxis with Tenofovir/Emtricitabine: What Every Clinician Needs to Know.](#) J Gen Intern Med. 2020 Apr;35(4):1285-1288. doi: 10.1007/s11606-020-05651-2. Epub 2020 Jan 21. PMID: 31965523; PMCID: PMC7174437.

Collins, S. (2024). [Modelling study challenges links between gender and PrEP: event-based dosing and easier daily dosing should work for all.](#)

Molina, Jean-Michel, et al. [*Daily and on-demand HIV pre-exposure prophylaxis with emtricitabine and tenofovir disoproxil \(ANRS PREVENIR\): a prospective observational cohort study*](#). The lancet HIV 9.8 (2022): e554-e562.

Drug Interaction Websites

[University of Liverpool HIV Drug Interaction Checker](#)

[University of Toronto Immunodeficiency Clinic Drug Interaction Tables](#)

[IBM Micromedex](#)

Lexicomp Drug Interactions tool

<https://www.wolterskluwer.com/en/solutions/lexicomp/resources/lexicomp-user-academy/drug-interactions-analysis> ^[HS3]

Sexual Health History Taking

[National Coalition for Sexual History Taking: Asking Essential Sexual Health Questions](#)

[New York State Department of Health: GOALS Framework for Sexual History Taking in Primary Care](#)

Johnson, Megan Mueller, Noah Brooks, and K. Rivet Amico. [*Missed Opportunities When We Focus only on Risk: Using the Concerns Based Conversation Starter to Identify Potential PrEP Candidates*](#). AIDS and Behavior (2023): 1-8.

Pronouns

<https://www.mypronouns.org/>

Care for Transgender and Gender Non-Binary People

Center for Health Equity Research University of North Carolina School of Medicine

- PrEP and Transgender Communities: Evidence Informed Practices: Slide Deck (<https://fenwayhealth.org/wp-content/uploads/Saturday-Session-8.pdf>)

UCSF Center of Excellence for Transgender Health

- [Acknowledging Gender and Sex](#)
- [Terminology and Definitions](#)

National LGBTQIA+ Health Education Center (Fenway Institute):

- [Transgender Health ECHO](#)
- [Learning Resources-Publications](#)

The Body Pro

- [Improving Sexual Health Screening for Trans Folks](#)

Mayo Clinic Article: [Renal considerations in transgender and gender-diverse people \(2022\)](#)

Millington K, Barrera E, Daga A, Mann N, Olson-Kennedy J, Garofalo R, Rosenthal SM, Chan YM. [The effect of gender-affirming hormone treatment on serum creatinine in transgender and gender-diverse youth: implications for estimating GFR.](#) *Pediatr Nephrol.* 2022 Sep;37(9):2141-2150. doi: 10.1007/s00467-022-05445-0. Epub 2022 Jan 26. PMID: 35083530; PMCID: PMC9629364.

Articles about BIPOC and PrEP/HIV

Conley C, Johnson R, Bond K, Brem S, Salas J, Randolph S. *US Black cisgender women and pre-exposure prophylaxis for human immunodeficiency virus prevention: A scoping review.* *Womens Health (Lond).* 2022 Jan-Dec;18:17455057221103098. doi: 10.1177/17455057221103098. PMID: 35699104; PMCID: PMC9201306.

Peinado S, Treiman K, Uhrig JD, Taylor JC, Stryker JE. *Effectively Communicating About HIV and Other Health Disparities: Findings From a Literature Review and Future Directions.* *Front Commun (Lausanne).* 2020 Jun;5:10.3389/fcomm.2020.539174. doi: 10.3389/fcomm.2020.539174. PMID: 33594338; PMCID: PMC7884094.

Mimiaga MJ, Closson EF, Battle S, et al. *Reactions and Receptivity to Framing HIV Prevention Message Concepts About Pre-Exposure Prophylaxis for Black and Latino Men Who Have Sex with Men in Three Urban US Cities.* *AIDS Patient Care STDS.* 2016;30(10):484-489. doi:10.1089/apc.2016.0123

Ayangeakaa SD, Kerr J, Combs RM, et al. *Sociocultural and structural influences on HIV Pre-Exposure Prophylaxis (PrEP) Engagement and Uptake among African American Young adults.* *BMC Public Health.* 2023;23(1):1427. Published 2023 Jul 26. doi:10.1186/s12889-023-16273-8

Bonacci RA, Smith DK, Ojikutu BO. *Toward Greater Pre-exposure Prophylaxis Equity: Increasing Provision and Uptake for Black and Hispanic/Latino Individuals in the U.S.* *Am J Prev Med.* 2021;61(5 Suppl 1):S60-S72. doi:10.1016/j.amepre.2021.05.027

HIV Testing: Ambiguous Results, False Reactive Testing with Heterophile Antibodies

Smith DK, Switzer WM, Peters P, et. al. [A strategy for PrEP clinicians to manage ambiguous HIV test results during follow-up visits.](#) *Open Forum Infect Dis.* 2018 Jul 21;5(8):ofy180. doi: 10.1093/ofid/ofy180.

Lavoie S, Caswell D, Gill MJ, et. al. (2018). [Heterophilic interference in specimens yielding false-reactive results on the Abbott 4th generation ARCHITECT HIV Ag/Ab Combo assay.](#) *Journal of Clinical Virology,* 104, 23-28.

Morton A. (2014). [When lab tests lie... heterophile antibodies.](#) *Australian Family Physician,* 43(6), 391-393.

Calculating estimated creatinine clearance

[MDCalc](#)

Other PrEP Resources

[PrEP Rx: Provider resources](#)

[PrEP Rx: How to ask patients if they want PrEP](#)

getSFcba: Roles and Responsibilities in Providing PrEP- an outline

[\(https://getsfcba.org/resources/roles-and-responsibilities-in-providing-prep-an-outline/\)](https://getsfcba.org/resources/roles-and-responsibilities-in-providing-prep-an-outline/) ^[HS4]

Using provider dash boards to implement PrEP

- Storholm ED, Ober AJ, Mizel ML, et. al. [Primary Care Providers' Knowledge, Attitudes, and Beliefs About HIV Pre-Exposure Prophylaxis \(PrEP\): Informing Network-Based Interventions.](#) AIDS Educ Prev. 2021 Aug;33(4):325-344. doi: 10.1521/aeap.2021.33.4.325. PMID: 34370571; PMCID: PMC8559721.

PrEP Implementation: [BLUPrint](#)

PrEP Implementation: PrEP Watch (LAI PrEP): <https://californiaptc.com/prep-learning-collaboratives/long-acting-injectable-prep/> ^[HS5]

Conley C, Johnson R, Bond K, Brem S, Salas J, Randolph S. US Black cisgender women and pre-exposure prophylaxis for human immunodeficiency virus prevention: A scoping review.

Womens Health (Lond). 2022 Jan-Dec;18:17455057221103098. doi: 10.1177/17455057221103098. PMID: 35699104; PMCID: PMC9201306.

PEP Resources

Pacific AIDS Education and Training Center Program

- [HIV Essentials and Quick HIV Clinical Guides on HIV testing, PEP/PrEP, rapid ART and HIV primary care](#)

National Clinician Consultation Center (NCCC)

- [PEP Quick Guide for Occupational Exposures](#)
- [National PEPline \(888\) 448-4911](#)

Patient Assistance Programs/Discounted PrEP

- [National Alliance of State and Territorial AIDS Directors: State PrEP Assistance Programs](#)
- [Good Rx](#)
- Patient Advocate Foundation: [Co-Pay Relief](#)
- [Ready, Set, PrEP](#)
- [CostPlus Drugs](#)
- Good Days Co-Pay Assistance: <https://www.mygooddays.org/patients/diseases-covered/hiv-aids-treatment-and-prevention> ^[HS6]
- [PAN Foundation](#)

STI Testing at Home

- [Molecular Testing Labs](#)

- Patient education | [video by MISTR](#): at-home PrEP and STI testing kit instructional video with Billy Francesca
- Poz Article: [California Requires Health Plans to Cover At-Home Tests for HIV and STIs](#), January 2022:

Doxy-PEP

- AIDSMap Article: "[Sexually transmitted infections in San Francisco have fallen since doxyPEP roll-out](#)" (CROI 2024)
- See CROI 2023 CROI Updates for information on DoxyPrEP
- San Francisco Department of Public Health: Doxycycline Post-Exposure Prophylaxis Reduces Incidence of Sexually Transmitted Infections, Oct 2022 | <https://www.sfdcp.org/wp-content/uploads/2022/10/Health-Update-Doxycycline-Post-Exposure-Prophylaxis-Reduces-Incidence-of-Sexually-Transmitted-Infections-SFDPH-FINAL-10.20.2022.pdf>^[HS7]

Confidentiality and Disclosures-Resources

- AmfAR (2019). Expanding Access to Pre-Exposure Prophylaxis (PrEP) for Adolescents and Young Adults: Models for Addressing Consent, Confidentiality, and Payment Barriers. [Issue Brief](#).
- Centers for Disease Control and Prevention (2021). US Public Health Service: Preexposure prophylaxis for the prevention of HIV infection in the United States—2021 Update: [a clinical practice guideline](#). See: Adolescent Minors, pp 62-63.
- CDC (2022). [State Laws that Enable a Minor to Provide Informed Consent to Receive HIV and STD Services](#).
- Guttmacher Institute (2023). State Laws and Policies as of September 1, 2023. [Minors' Access to STI Services](#)
- [Stanford Virtual Pre-exposure Prophylaxis \(PrEP\) Program](#) (CA Only):
- Straube, Trent. (2022). [California Requires Health Plans to Cover At-Home Tests for HIV and STIs](#).

Risk Reduction-Resources

- CDC (2021). How to Clean Your Syringes. Patient Handout and Pocket Guide.
 - [Patient handout](#)
 - [Pocket guide](#)
- Find a Needle Exchange via the North American Syringe Exchange Network ([NASEN](#)).
- Harm Reduction Coalition. [Getting Off Right: A Safety Manual for Injection Drug Users](#).
- Harm Reduction Coalition. [Resource Library](#).
- National Clinician Consultation Center website. [Harm Reduction Resources and Toolkits](#).

Articles about Transgender Women on Gender Affirming Hormones and PrEP

Michelle S. Cespedes, Moupali Das, Jenna Yager, Maria Prins, Ivanka Krznaric, Jan de Jong, Deqing Xiao, Yongwu Shao, Pamela Wong, Alexander Kintu, Christoph Carter, Elske Hoornenborg, Peter Ruane, John Phoenix, Islam Younis, and Jason Halperin. [Gender Affirming Hormones Do Not Affect the Exposure and Efficacy of F/TDF or F/TAF for HIV Preexposure Prophylaxis: A Subgroup Analysis from the DISCOVER Trial](#). Transgender Health. Feb 2024.46-52.

Articles on Pharmacists and PrEP

Farmer EK, Koren DE, Cha A, et. al. *The pharmacist's expanding role in HIV pre-exposure prophylaxis*. AIDS Patient Care STDs. 2019 May;33(5):207-13.

Zhao A, Dangerfield DT 2nd, Nunn A, et. al. *Pharmacy-based interventions to increase use of HIV pre-exposure prophylaxis in the United States: a scoping review*. AIDS Behav. 2022 May; 26(5):1377-92.

Lopez MI, Cocohoba J, Cohen SE, et. al. *Implementation of pre-exposure prophylaxis at a community pharmacy through a collaborative practice agreement with San Francisco Department of Public Health*. J Am Pharm Assoc (2003). 2020 Jan-Feb; 60(1): 138-44.

Adams AJ, Klepser M, Klepser D. *Physician-pharmacist collaborative practice agreements: a strategy to improve adherence to evidence-based guidelines*. Evidenced-based Medicine & Public Health 2015;1:e923.

Tung EL, Thomas A, Eichner A, Shalit P. *Implementation of a community pharmacy-based pre-exposure prophylaxis service: a novel model for pre-exposure prophylaxis care*. Sex Health. 2018 Nov;15(6):556-61.

Hita Bhagat, PharmD, BCPS, BCIDP Clinical Pharmacy Specialist, Infectious Diseases Ambulatory Care Community Health Network | [Community Health Network Ambulatory Care Pharmacy Services HIV Pre-Exposure Prophylaxis \(PrEP\) Monitoring Protocol](#)

Articles about Cisgender Women and PrEP

Marrazzo J, Tao L, Becker M, et al. [HIV Preexposure Prophylaxis With Emtricitabine and Tenofovir Disoproxil Fumarate Among Cisgender Women](#). JAMA. Published online March 01, 2024.

Articles on Advanced Practice Nurses, PAs, and PrEP

Nelson LE, McMahon JM, Leblanc NM, et. al. [Advancing the case for nurse practitioner-based models to accelerate scale-up of HIV pre-exposure prophylaxis](#). J Clin Nurs. 2019 Jan;28(1-2):351-361.

Zhang C, Mitchell W, Xue Y, et. al. [Understanding the role of nurse practitioners, physician assistants and other nursing staff in HIV pre-exposure prophylaxis care in the United States: a systematic review and meta-analysis](#). BMC Nurs. 2020 Dec 9;19(1):117.

O'Byrne P, MacPherson P, Orser L, et. al. [PrEP-RN: clinical considerations and protocols for nurse-led PrEP](#). J Assoc Nurses AIDS Care. 2019 May-Jun;30(3):301-11.

Articles about PrEP Uptake

Dean LT, Chang HY, Goedel WC, Chan PA, Doshi JA, Nunn AS. [Novel population-level proxy measures for suboptimal HIV preexposure prophylaxis initiation and persistence in the USA](#). AIDS. 2021 Nov 15;35(14):2375-2381. doi: 10.1097/QAD.0000000000003030. PMID: 34723852; PMCID: PMC8564020.

Huang, Ya Lin A., et al. [Abandonment of Human Immunodeficiency Virus Preexposure Prophylaxis Prescriptions at Retail Pharmacies—United States, 2019](#). Clinical Infectious Diseases 75.3 (2022): 512-514.

Johnson M, Brooks N, Amico K. [Missed Opportunities When We Focus only on Risk: Using the Concerns Based Conversation Starter to Identify Potential PrEP Candidates | SpringerLink](#)

Stulpin, C. *PrEP Use Up, HIV incidence Down, Studies Show*. March 5, 2024. [Helio](#)

Articles about PrEP Discontinuation

Guo, Yan, et al. [PrEP Discontinuation In A US National Cohort Of Sexual And Gender Minority Populations, 2017–22: Study examines PrEP discontinuation among sexual and gender minority populations](#). Health Affairs 43.3 (2024): 443-451.

Examples of PrEP Delivery Models, Including TelePrEP and Same-Day PrEP Initiation

Aaron J Siegler, Kenneth H Mayer, Albert Y Liu, Rupa R Patel, Lauren M Ahlschlager, Colleen S Kraft, Rossi Fish, Sarah E Wiatrek, Patrick S Sullivan, [Developing and Assessing the Feasibility of a Home-based Preexposure Prophylaxis Monitoring and Support Program](#), Clinical Infectious Diseases, Volume 68, Issue 3, 1 February 2019, Pages 501–504,

Touger R, Wood BR. [A review of telehealth innovations for HIV pre-exposure prophylaxis \(PrEP\)](#). Curr HIV/AIDS Rep. 2019 Feb; 16(1):113–119

Klausner J. [Using innovations in telehealth to accelerate biomedical HIV prevention](#). CFAR Seminar, February 2018.

Kamis KF, Marx GE, Scott KA, Gardner EM, Wendel KA, Scott ML, Montgomery AE, Rowan SE. [Same-Day HIV Pre-Exposure Prophylaxis \(PrEP\) Initiation During Drop-in Sexually Transmitted Diseases Clinic Appointments Is a Highly Acceptable, Feasible, and Safe Model that Engages Individuals at Risk for HIV into PrEP Care](#). Open Forum Infect Dis. 2019 Jun 27;6(7):ofz310. PMID: 31341933; PMCID: PMC6641790.

[Prime Health TelePrEP Hub](#)

Collaborative Practice Agreements and Pharmacy Implementation Reports

- Centers for Disease Control and Prevention: Collaborative Practice Agreements and Pharmacists' Patient Care Services: A Resource for Pharmacists. (https://www.cdc.gov/dhdsp/pubs/docs/translational_tools_pharmacists.pdf)^[HS8])
- Centers for Disease Control and Prevention: Advancing Team-Based Care Through Collaborative Practice Agreements: A Resource and Implementation Guide for Adding Pharmacists to the Care Team. (<https://www.cdc.gov/dhdsp/pubs/docs/CPA-team-based-care.pdf>)^[HS9]
- American Pharmacists Association. Pharmacist Collaborative Practice Agreements: Who, What, Why, and How (home study activity) (<https://elearning.pharmacist.com/products/5399/pharmacist-collaborative-practice-agreements-who-what-why-and-how>)^[HS10]
- National Alliance of State Pharmacy Associations. [Collaborative Practice Agreements](#): Resources and More.

- Weaver KK. Collaborative practice agreements: explaining the basics. Pharmacy Today 2018. ([https://www.pharmacytoday.org/article/S1042-0991\(18\)30260-3/fulltext](https://www.pharmacytoday.org/article/S1042-0991(18)30260-3/fulltext))^[HS11]

Medical Spanish Training and References

- [Medical Spanish](#):
 - Courses to help various healthcare professions communicate in Spanish
 - Medical vocabulary
 - Medical Spanish dictionary
 - Medical Spanish Illustrations
- [Spanish for Healthcare Professionals Online Course | Rice U.](#)

Patient Educational Resources

- [Talk PrEP Together | HIV Prevention | Let's Stop HIV Together | CDC](#): has a variety of HIV educational resources in English and Spanish including patient brochures
 - [PrEP 101 \(cdc.gov\)](#): simple flyer in English and Spanish
- [Pre-Exposure Prophylaxis \(PrEP\) | NIH](#): basic information about PrEP available in English and Spanish.
- [HIV | HIV Symptoms | AIDS | MedlinePlus](#): has a variety of HIV topics with specific information for target audiences (children, teenagers, men, women, and older adults). Many resources are available in English and Spanish
 - [How to Protect Yourself from Getting HIV Through Sex \(nnlm.gov\)](#)
 - [English](#)
 - [Spanish](#)
 - [How to Protect Yourself from Getting HIV Through Drug Use \(nnlm.gov\)](#)
 - [English](#)
 - [Spanish](#)
- HIVE: [Is PrEP Right for Me? A Guide for Cis-Women](#)
- [We R Native](#): HIV education information for Native Youth by Native Youth.