

Let's PrEP: Law Updates on Pharmacist Prescriptive Authority in HIV Prevention

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Disclosure

- Relevant Financial Conflicts of Interest
 - **CE Presenter: Chloe Ortals**
 - None
 - **Mentor: Gary Huynh**
 - None
 - **Mentor: Karen Gunning**
 - None
- Off-Label Uses of Medications
 - None



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Abbreviations

- HIV: human immunodeficiency virus
- AIDS: acquired immunodeficiency syndrome
- ART: antiretroviral therapy
- PrEP: Pre-exposure prophylaxis
- PEP: Post-exposure prophylaxis
- NRTI: nucleoside reverse transcriptase inhibitor
- INSTI: integrase strand transfer inhibitor
- WNL: within normal limit
- F/TDF: Tenofovir Disoproxil Fumarate (TDF) + Emtricitabine (FTC)
- F/TAF: Tenofovir Alafenamide Fumarate (TDF) + Emtricitabine (FTC)



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Pharmacist Learning Objectives

- Discuss medical and social concerns HIV PrEP and PEP patients face.
- Apply guideline-directed medication therapy for HIV prevention.
- Review the Utah Pharmacy Practice Act law updates surrounding HIV PrEP and PEP.
- Employ the steps a pharmacist would need to take to prescribe HIV PrEP or PEP for a patient.
- Demonstrate knowledge of resources for medical care for HIV PrEP and PEP.



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Technician Learning Objectives

- Discuss medical and social concerns HIV PrEP and PEP patients face.
- Recognize common medications used in the prevention of HIV.
- Demonstrate knowledge of resources for medical care for HIV PrEP and PEP.



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Background

Based on 2019 data, approximately 1.2 million individuals live with HIV in the U.S. with approximately 37,000 new HIV diagnoses.

The most common age group to receive a new HIV diagnosis:

25-29 yo
(N= 7,396)

The most common race/ethnicity to receive a new HIV diagnosis:

Black/African American
(N= 15,340)

The most common transmission category:

Male-to-male sexual contact
(N= 24,084)



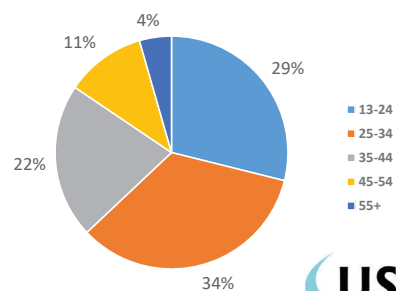
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Utah Background

In 2019, Utah had 135 new cases of HIV

Table 1: HIV Cases per Age Group

Age Group	Cases	Rate per 100,000
13-24	39	6.2
25-34	46	9.7
35-44	29	6.5
45-54	15	4.6
55+	6	0.9



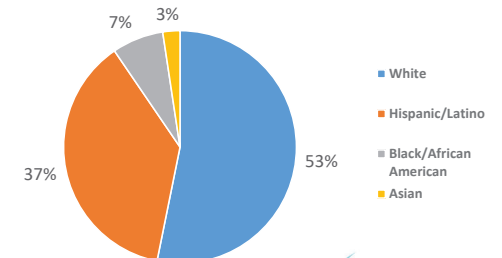
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Utah Background

In 2019, Utah had 135 new cases of HIV

Table 2: HIV Cases per Race/Ethnicity

Race/Ethnicity	Cases	Rate per 100,000
White	67	3.3
Hispanic/Latino	47	9.7
Black/African American	9	30.5
Asian	3	4.3
Others (combined)	9	-



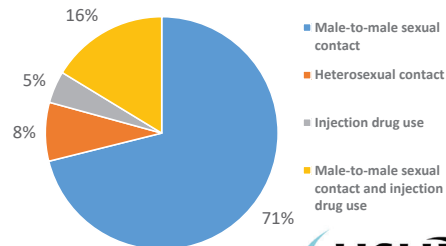
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Utah Background

In 2019, Utah had 135 new cases of HIV

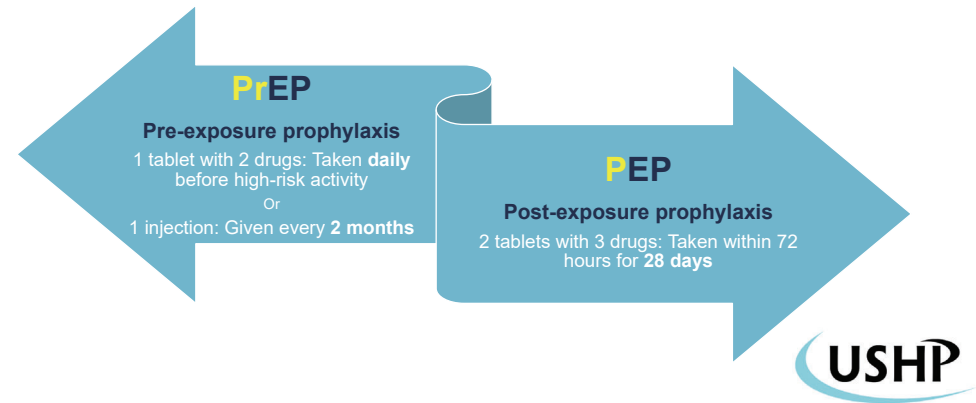
Table 3: HIV Cases per Transmission Category

Transmission Category	Cases
Male-to-male sexual contact	96
Heterosexual contact	11
Injection drug use	6
Male-to-male sexual contact and injection drug use	22



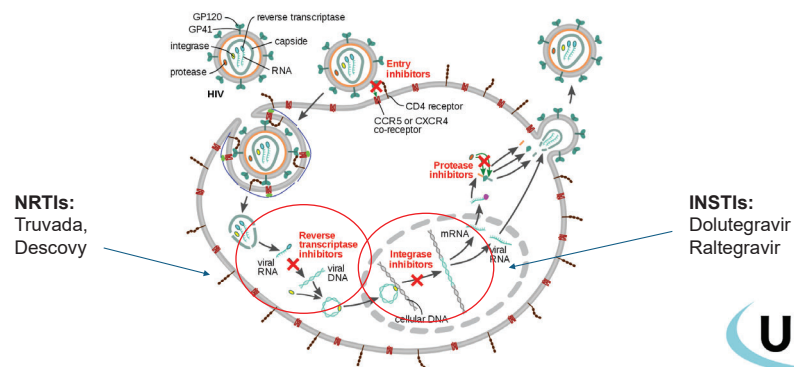
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Medication Therapy in HIV Prevention



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HIV Prevention Mechanism of Action



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Just how effective is PrEP?

99%

when taken as prescribed

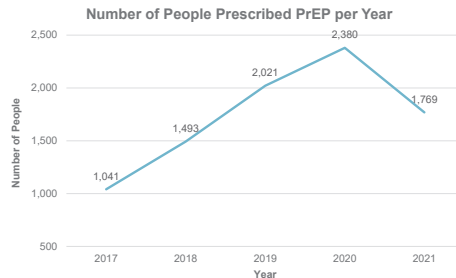


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PrEP Coverage in the State of Utah

Table 4: Number of People Prescribed PrEP per Year

Year	Number of Persons Prescribed
2017	1,041
2018	1,493
2019	2,021
2020	2,380
2021	1,769



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Medical & Social Barriers Preventing Access

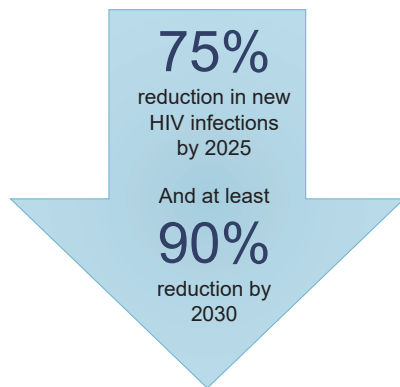
- Knowledge/awareness of PrEP
- Perception of HIV risk
- Social Stigma
- Provider bias and distrust of healthcare providers/systems
- Lack of access to medical care
- Lack of access (or awareness) of financial assistance options
- Side effects/medication interaction concerns



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Mayer, K. H., Ageu, A., & Malebranche, D. (2020). Barriers to the Wider Use of Pre-exposure Prophylaxis in the United States: A Narrative Review. *Advances in Therapy*, 37(5), 1778–1811.

Ending the HIV Epidemic Initiative



Diagnose all people with HIV as early as possible after infection.



Prevent new HIV transmissions by using proven interventions.



Treat the infection rapidly and effectively to achieve viral suppression.



Respond quickly to potential HIV outbreaks.



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Getting to Zero

Getting to Zero is a collaborative initiative that aims to reduce new HIV infections and HIV-related stigma, with the ultimate goal of zero HIV-related deaths in Utah.



TEST



TREAT



PREVENT

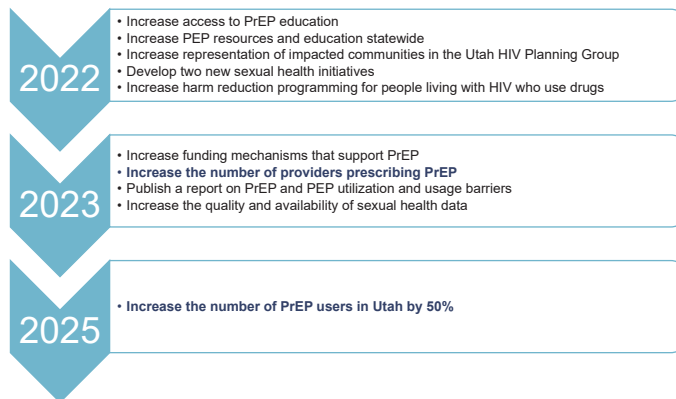


RESPOND



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Getting to Zero HIV Prevention Strategies

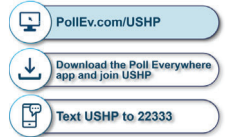


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Audience Response Question

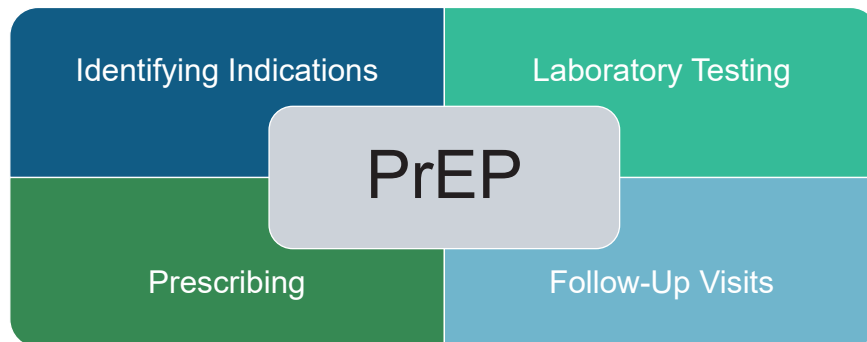
What are common medical and social barriers HIV PrEP and PEP patients face?

- A. Knowledge/awareness
- B. Social Stigma
- C. Lack of access to medical care or financial assistance
- D. Side effects/medication interactions
- E. All of the above



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HIV Prevention Guideline Directed Treatment



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Indications for PrEP

Sexually Active Adults and Adolescents

Anal or vaginal sex in the past 6 months **AND** any of the following:

- HIV-positive sexual partner
- Bacterial STI in past 6 months
- History of inconsistent or no condom use with sexual partner

Persons Who Inject Drugs

HIV-positive injecting partner

OR

Sharing injection equipment



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Baseline PrEP Laboratory Testing

All of the following conditions must be met:

- ☐ Documented negative HIV Ag/Ab test result within 1 week before initially prescribing PrEP
- ☐ No signs/symptoms of acute HIV infection
- ☐ Estimated CrCl ≥ 30 mL/min (for oral medication only)
- ☐ No contraindicated medications

Highly Recommended:

- ☐ HBV Ag/Ab test
- ☐ STI Testing (syphilis, gonorrhea, chlamydia)
- ☐ Lipid Profile (F/TAF only)



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Prescription Medications

Generic	Brand	Dosing	When to Use	Considerations	Precautions	Common Side Effects ($\geq 2\%$)
Tenofovir Disoproxil Fumarate (TDF) + Emtricitabine (FTC)	Truvada®	1 tablet by mouth daily	Any healthy adult or adolescent at risk for HIV	<ul style="list-style-type: none"> Available Generic ≤ 90 day supply Weight ≥ 35 kg CrCl ≥ 60 mL/min Adherence 	<ul style="list-style-type: none"> New onset or worsening renal impairment Decrease in bone mineral density Lactic acidosis or severe hepatomegaly with steatosis 	<ul style="list-style-type: none"> Headache Abdominal Pain Weight loss



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Prescription Medications

Generic	Brand	Dosing	When to Use	Considerations	Precautions	Common Side Effects ($\geq 5\%$)
Tenofovir Alafenamide Fumarate (TAF) + Emtricitabine (FTC)	Descovy®	1 tablet by mouth daily	<ul style="list-style-type: none"> Men and transgender women Preferred in persons with osteoporosis or related bone disease 	<ul style="list-style-type: none"> No generic ≤ 90 day supply Weight ≥ 35 kg CrCl ≥ 30 mL/min Adherence 	<ul style="list-style-type: none"> New onset or worsening renal impairment Lactic acidosis or severe hepatomegaly with steatosis 	<ul style="list-style-type: none"> Diarrhea



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Prescription Medications

Generic	Brand	Dosing	When to Use	Considerations	Precautions	Common Side Effects ($\geq 2\%$)
Cabotegravir Extended-Release Injectable Suspension	Apretude®	(Optional) 30 mg by mouth daily x 4 week lead-in prior to injection then 600 mg injected into gluteal muscle every 2 months	<ul style="list-style-type: none"> Persons with difficulty adhering to oral regimens Significant renal disease 	<ul style="list-style-type: none"> Must be given in clinic Weight ≥ 35 kg 	<ul style="list-style-type: none"> Hypersensitivity Hepatotoxicity Depressive Disorders 	<ul style="list-style-type: none"> Injection site reactions Diarrhea Headache Pyrexia Fatigue Nausea Dizziness Abdominal Pain Myalgia Rash Appetite Changes Back Pain Resp. Tract Infection



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Follow-Up

F/TDF and F/TAF	Cabotegravir
Every 3 months: <ul style="list-style-type: none"> <input type="checkbox"/> HIV Ag/Ab test and HIV-1 RNA assay <input type="checkbox"/> Medication adherence <input type="checkbox"/> Behavioral risk reduction support Every 6 months: <ul style="list-style-type: none"> <input type="checkbox"/> Assess renal function if age ≥ 50 or CrCl ≤ 90 mL/min at PrEP initiation <input type="checkbox"/> Bacterial STI testing for sexually active patients Every 12 months: <ul style="list-style-type: none"> <input type="checkbox"/> Assess renal function for all patients <input type="checkbox"/> Chlamydia screening for heterosexually active patients <input type="checkbox"/> For patients on F/TAF, assess weight, triglyceride, and cholesterol levels 	1 month after first injection: <ul style="list-style-type: none"> <input type="checkbox"/> HIV Ag/Ab test and HIV-1 RNA assay Every 2 months (starting with third injection): <ul style="list-style-type: none"> <input type="checkbox"/> HIV Ag/Ab test and HIV-1 RNA assay Every 4 months (starting with third injection): <ul style="list-style-type: none"> <input type="checkbox"/> Bacterial STI screening for MSM and transgender women Every 6 months (starting with fifth injection): <ul style="list-style-type: none"> <input type="checkbox"/> Bacterial STI screening for heterosexually active patients Every 12 months (starting with first injection): <ul style="list-style-type: none"> <input type="checkbox"/> Chlamydia screening for heterosexually active patients



Q: How long does it take for PrEP to be effective?

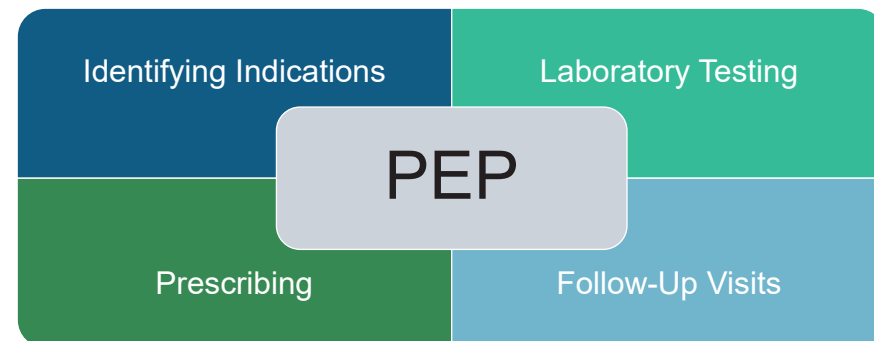
A: Receptive anal sex = 7 days

Receptive vaginal sex and injection drug use = 21 days



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HIV Prevention Guideline Directed Treatment



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Indications for PEP

Nonoccupational Exposure ≤ 72 hours (nPEP)

After sex without a condom

OR

After injection drug use or some other type of nonoccupational bodily fluid exposure

Occupational Exposure ≤ 72 hours (oPEP)

Personnel exposed to body fluids that could be infectious like a needlestick



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Baseline PEP Laboratory Testing

- ☐ HIV Ag/Ab testing
- ☐ Hepatitis B serology including:
 - ☐ Hep B surface antigen
 - ☐ Hep B surface antibody
 - ☐ Hep B core antibody
- ☐ Hepatitis C antibody test
- ☐ Serum creatinine
- ☐ ALT/AST
- ☐ STI testing
- ☐ Pregnancy test (if applicable)



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Prescription Medications

Generic	Brand	Dosing	Considerations	Precautions	Common Side Effects (≥2%)
Tenofovir Disoproxil Fumarate (TDF) + Emtricitabine (FTC) PLUS Raltegravir OR Dolutegravir	Truvada® + Isentress® Or Tivicay®	Once daily (D) or twice daily (R) x 28 days	<ul style="list-style-type: none"> Weight ≥ 35 kg CrCl ≥60 mL/min Separation of cations Adherence 	<ul style="list-style-type: none"> New onset or worsening renal impairment Decrease in bone mineral density Lactic acidosis or severe hepatomegaly with steatosis Hypersensitivity reactions 	<ul style="list-style-type: none"> Headache Abdominal Pain Weight Changes Insomnia Dizziness



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Follow-Up

F/TDF + Raltegravir or Dolutegravir

2 weeks post-exposure:

- ☐ Complete blood counts
- ☐ Renal and hepatic function tests

6 weeks, 3 months, and 6 months post-exposure:

- ☐ HIV Ag/Ab testing



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Patient Case

24-year-old male with 5 male sexual partners; engages in both oral and anal sex; condom use inconsistent

- No chronic medical conditions
- No prior sexually-transmitted infections
- Physical examination unremarkable
- HIV and STI testing one month ago was negative
- Patient preference is to start on an oral regimen

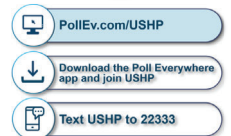


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Audience Response Question

Which tests should be sent prior to starting PrEP?

- A. HIV antibody, hepatitis B surface antibody, urinalysis, STI testing, lipid panel
- B. HIV antibody, hepatitis B surface antibody, serum creatinine, STI testing, lipid panel
- C. HIV RNA, hepatitis B surface antibody, urinalysis, STI testing, lipid panel
- D. HIV RNA, hepatitis B surface antibody, serum creatinine, STI testing, lipid panel



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Results of Testing

- HIV negative
- HBV negative
- STI negative
- CrCl 82 mL/min
- Lipid Panel: WNL

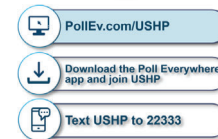


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Audience Response Question

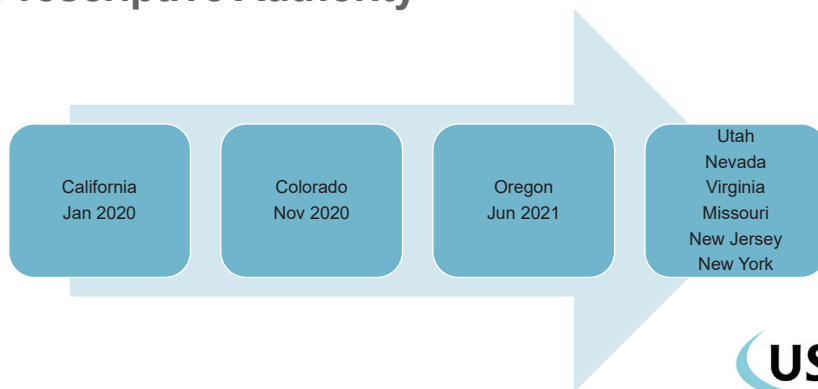
Which medication should we start?

- A. Tenofovir Disoproxil Fumarate + Emtricitabine (Truvada®)
- B. Tenofovir Alafenamide Fumarate + Emtricitabine (Descovy®)
- C. Cabotegravir Extended-Release Injectable Suspension (Apretude®)
- D. Either A or B
- E. Any of the above



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Timeline of HIV PrEP and PEP Pharmacist Prescriptive Authority



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Utah Timeline

1 **PHARMACY PRACTICE MODIFICATIONS**
2 2021 GENERAL SESSION
3 STATE OF UTAH
4 **Chief Sponsor: Norman K. Thurston**
5 Senate Sponsor: Curtis S. Bramble
6
7 **LONG TITLE**
8 **General Description:**
9 This bill amends the Pharmacy Practice Act.
10 **Highlighted Provisions:**
11 This bill:
12 • amends the definition of the practice of pharmacy to include issuing a prescription
13 for certain prescription drugs and devices;
14 • defines the types of prescription drugs and devices that may be prescribed by a
15 pharmacist; and
16 • authorizes the Division of Occupational and Professional Licensing to make rules to
17 implement the provisions of this bill.

Pharmacy Practice Act

- ✓ **Date Passed:** February 25, 2021
- ✓ **Date Governor Signed:** March 16, 2021
- ✓ **Date Effective:** May 5th, 2021

Pharmacy Practice Act Rule

- ✓ **Open Comment:** January 14th, 2022
- ✓ **Date Effective:** January 27th, 2022



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58-17b-627(3)(a) Pharmacy Practice Act

58-17b-627 Prescription of drugs or devices by a pharmacist.

- (1) Beginning January 1, 2022, a pharmacist may prescribe a prescription drug or device if:
- (a) prescribing the prescription drug or device is within the scope of the pharmacist's training and experience;
 - (b) the prescription drug or device is designated by the division by rule under Subsection (3)(a); and
 - (c) the prescription drug or device is not a controlled substance that is included in Schedules I, II, III, or IV of:
 - (i) Section 58-37-4; or
 - (ii) the federal Controlled Substances Act, Title II, P.L. 91-513.
- (2) Nothing in this section requires a pharmacist to issue a prescription for a prescription drug or device.
- (3) The division shall make rules in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, to:
- (a) designate the prescription drugs or devices that may be prescribed by a pharmacist under this section, beginning with prescription drugs or devices that address a public health concern that is designated by the Department of Health, including:
 - (i) post-exposure HIV prophylaxis;
 - (ii) pre-exposure HIV prophylaxis;
 - (iii) self-administered hormonal contraceptives;
 - (iv) smoking cessation; and
 - (v) naloxone;



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Let's dive deeper...

- ✓ A pharmacist can prescribe PrEP and PEP because it addresses a public health concern designated by the Department of Health
- ✓ A pharmacist must follow guidelines when prescribing a prescription drug (e.g., Statewide Protocol)
- ✓ A pharmacist must refer a patient to an appropriate health care provider or encourage patient to seek further medical care when applicable
- ✓ A pharmacist must always follow the laws and regulations



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R156-17b-627 Pharmacy Practice Act Rule

Patient Assessment (provided in the statewide protocol)

- Current health status
- Past medical history
- Allergies
- Medication sensitivities
- Rationale for care
- Current medications
- Determination if referral is needed

Guideline-Directed Treatment

- Centers for Disease Control and Prevention
- Nationally accepted guidelines
- Utah Guidance for Pre-Exposure and Post-Exposure Prophylaxis of HIV



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R156-17b-627 Pharmacy Practice Act Rule

Monitoring and Follow Up

- Develop and implement an appropriate follow-up care plan
 - Monitoring parameters for efficacy and safety
 - Adverse reactions
 - Further medical care
- Compliance with requirements in Sections 58-17b-602 & 58-17b-609

Notification of Prescription (provided in the statewide protocol)

- Notify patient's primary care provider or other health care provider within 5 business days of prescribing
- Must be conveyed by telephone, electronic transmission, or writing
- If no PCP, then prescription notification will be provided to patient



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R156-17b-627 Pharmacy Practice Act Rule

Prescription Requirements

- Must be maintained in patient record for at least 5 years from the date of notification
- Prescribing pharmacist
- Pharmacy name
- Pharmacy phone number
- Patient name
- Patient date of birth
- Drug or device
- Dispense quantity
- Directions for use
- Refills
- Identity of the patient's primary care or other health care provider, if any



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PrEP Protocol

Recommended Counseling (at minimum):

- Proper use of medication (dosing, schedule, side effects)
- Importance of medication adherence
- Signs/symptoms of acute HIV infection and recommended actions
- Consistent and correct use of condoms and prevention of STIs
- The necessity of follow up care with PCP for usual care
- Importance and requirement of testing for HIV, renal function, HBV, and STIs

Considerations:

- Limit NSAID use as it may increase the risk of kidney damage
- Offer vaccination for Hepatitis B if unvaccinated
- Pregnancy and breastfeeding are not a contraindication to PrEP



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PrEP Protocol

Indications	Labs	Medication	Follow-Up
Per CDC Guidelines: Anyone who has one or more risk factors for HIV Referral Required: <ul style="list-style-type: none"> • Existing HIV infection • Existing HBV infection • CrCl \leq 30 mL/min or under care for chronic kidney disease • Contraindicated home medications 	Required: <ul style="list-style-type: none"> • HIV Ag/Ab (within 14 days) • Serum Creatinine • STI testing (3 sites) <ul style="list-style-type: none"> • Syphilis • Gonorrhea • Chlamydia • HBV surface antigen Screening Required: <ul style="list-style-type: none"> • Signs/symptoms of STI • Condomless sex in the past two weeks 	Based on pharmacist judgement after patient assessment: <ul style="list-style-type: none"> • Truvada® or generic • Descovy® Duration: <ul style="list-style-type: none"> • 30 days with no refills if baseline testing not completed • 90 days otherwise • Refill quantity only until next scheduled follow-up 	Every 3 months: <ul style="list-style-type: none"> • HIV Ag/Ab Every 6 months: <ul style="list-style-type: none"> • STI testing • Serum creatinine Annually: <ul style="list-style-type: none"> • STI testing • For patients on Descovy®, assess weight, triglyceride, and cholesterol levels



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PEP Protocol

Indications	Labs	Medication	Follow-Up
Exposure within 72 hours and no known HIV infection Referral Required: <ul style="list-style-type: none"> • Exposure > 72 hours • Patients <13 years old • Existing HIV infection • Existing HBV infection • No established primary care provider for follow-up • Reduced renal function or chronic kidney disease 	The pharmacist is required to contact the patient's primary care provider or other appropriate provider to provide written notification of PEP prescription and to facilitate establishing care for baseline testing: <ul style="list-style-type: none"> • HIV Ag/Ab • Serum creatinine • AST/ALT • HBV serology • HCV antibody • STI testing • Pregnancy (if applicable) 	Only regimen permitted for pharmacist prescribing at this time: Truvada® PLUS Raltegravir AND Written individualized care plan Duration: <ul style="list-style-type: none"> • 28-30 days with no refills 	Pharmacist will contact patient approximately 1 month after initial prescription: 6 Weeks: <ul style="list-style-type: none"> • HIV Ag/Ab • HBV/HCV test • CMP • STI testing • Pregnancy (if applicable) 3 Months: <ul style="list-style-type: none"> • HIV Ag/Ab • HCV antibody



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PEP Protocol

Recommended Counseling (at minimum):

- Same as PrEP counseling **PLUS**:
- Separation of vitamins or supplements with calcium or magnesium by 2 hours
- Importance of taking both medications together to prevent resistance
- Instructions on correct and consistent use of HIV exposure precautions including condoms and not sharing injection equipment
- Emergency contraception (if applicable)

Considerations:

- If the case involves sexual assault, patient should also be examined and co-managed by professionals specifically trained for these types of circumstances
- Child protective services must be contacted if a child is potentially a victim of child abuse



Information updated as of February 14th, 2022

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Patient Case



A 42-year-old female comes into the pharmacy you work at requesting PEP due to an exposure that happened yesterday after sharing a needle with a stranger who she came to find out is HIV positive.

After a patient assessment you find out:

- **PMH:** hypertension, GERD, substance abuse (heroin) x1 year with last use yesterday
- **Allergies:** NKDA
- **Medications:** Lisinopril 10 mg daily (last use >1 month ago), Tums 1 tablet daily PRN (last use yesterday)
- **Social History:** homeless but does have a PCP

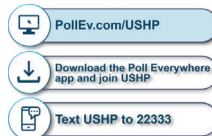


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Audience Response Question

What testing would we want in addition to prescribing PEP?

- A. HIV, serum creatinine, STI testing, AST/ALT, HBV/HCV, pregnancy
- B. HIV, serum creatinine, STI testing, HBV/HCV, urinalysis, pregnancy
- C. HIV, serum creatinine, STI testing, lipid panel, pregnancy
- D. HIV, serum creatinine, STI testing, lipid panel, HBC/HCV, urinalysis, pregnancy



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Results of Testing

- HIV negative
- HBV/HCV negative
- STI negative
- Pregnancy negative
- CrCl 63 mL/min
- AST 13
- ALT 24

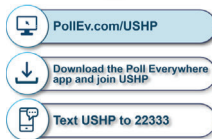


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Audience Response Question

Are we able to prescribe PEP for this patient?

- A. Yes
- B. No, she needs a referral to a PCP

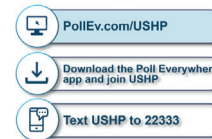


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Audience Response Question

What medication regimen would be BEST for this patient?

- A. F/TDF + Raltegravir, twice daily
- B. F/TDF + Dolutegravir, once daily

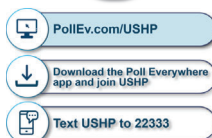


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Audience Response Question

What medication regimen can we prescribe for this patient?

- A. F/TDF + Raltegravir, twice daily
- B. F/TDF + Dolutegravir, once daily

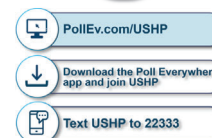


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Audience Response Question

What counseling points needs to be discussed with the patient?

- A. She needs to follow up with the pharmacist or her PCP in 6 weeks for repeat HIV testing.
- B. She needs to separate her PEP from her Tums by at least 2 hours.
- C. Instructions on HIV prevention including not sharing injection equipment.
- D. Importance of medication adherence.
- E. All the above



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Barriers with Required Labs

Up to the individual pharmacy to establish access to labs

- Salt Lake County Health Department
- Public health services that already provide these types of services

Unfortunately, these services may cost the patient additional money

Health Department Fees:

- HIV test: free
- STI testing: \$40/test
- HBV: \$45
- HCV: \$50



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What about Cabotegravir?



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ELSEVIER

Contents lists available at ScienceDirect

Journal of the American Pharmacists Association

journal homepage: www.japha.org



RESEARCH NOTES

Patient perspectives of pharmacists prescribing HIV pre-exposure prophylaxis: A survey of patients receiving antiretroviral therapy

- Over 90% of participants stated they would be willing to consult a pharmacist for HIV PrEP information or testing.
- Almost 20% of participants expressed discomfort having a pharmacist prescribe their first HIV PrEP prescription. Reasons include:
 - Rather consulting their physicians
 - Reservations about adequate pharmacist training



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Resources for Patients

Basic Information about PrEP/PEP

- Salt Lake County Health Department- PrEP
- Utah AIDS Foundation- HIV and STI Info Hotline (English & Spanish)
- CDC PrEP/PEP Page

Online tool for deciding about taking PrEP

- The Stigma Project- Is PrEP Right for Me?

Guides to discussing PrEP with your provider

- Salt Lake County Health Department- PrEP Checklist
- CDC- Talk to your Doctor about PrEP

Tools for finding a PrEP provider near you

- Utah AIDS Foundation – PrEP referral form
- PrEPLocator.org

Tools to estimate and pay PrEP costs

- Gilead Sciences- Truvada PrEP Access and Assistance Programs
- Patient Advocate Foundation- Copay Relief
- PrEPCost.org



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Lutz, S., Heberling, M., & Goodlet, K. J. (2021). Patient perspectives of pharmacists prescribing HIV pre-exposure prophylaxis: A survey of patients receiving antiretroviral therapy. *Journal of the American Pharmacists Association*, 61(2), 75–79.

Resources for Clinicians

Basic Information

- HIV.gov
- CDC PrEP/PEP Page
- Project Inform- PrEP Clinical Study Data Sheet

Assessment tool for starting a patient on PrEP

- TheBodyPro- Assessment Tool: Is PrEP indicated?

Training Opportunities

- Utah AIDS Education and Training Center
- National Association of County and City Health Official PrEP for HIV Prevention Modules

If Cost is an Issue

- "SLC PrEP is Free" through the University of Utah Health

Questions?

- HIV Warmline offers consultations for providers from HIV specialists (855)-448-7737

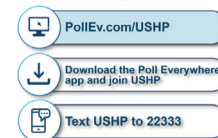


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Audience Response Question

You have a patient interested in starting PrEP; however, they have a history of chronic kidney disease and you decide to refer them to a primary care physician. What is one resource to locate a provider for this patient?

- A. CDC
- B. The Stigma Project
- C. PrEPlocator.org
- D. Project Inform



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Summary

Barriers

- Few people are using PrEP even though eligible
- There are many medical and social barriers preventing eligible people from getting on PrEP

Updates

- Licensed Utah pharmacists are now eligible to prescribe PrEP and PEP as of January 2022
- Guideline-directed treatment must be used in addition to the statewide protocol

Resources

- There are many resources available for both patients and clinicians in the pursuit of HIV prevention.



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References

1. Statistics Overview | Statistics Center | HIV/AIDS | CDC. (2021, June 24). Centers for Disease Control and Prevention. Retrieved February 9, 2022, from <https://www.cdc.gov/hiv/statistics/overview/index.html>
2. AtlasPlus - Tables. (2021, February). Centers for Disease Control and Prevention. Retrieved February 9, 2022, from <https://gis.cdc.gov/grasp/ncshspatlas/tables.html>
3. PrEP Effectiveness | PrEP | HIV Basics | HIV/AIDS | CDC. (2021, May 13). Centers for Disease Control and Prevention. Retrieved February 9, 2022, from <https://www.cdc.gov/hiv/basics/prep/prep-effectiveness.html>
4. Overview. (2021, June 2). HIV.gov. Retrieved February 9, 2022, from <https://www.hiv.gov/federal-response/ending-the-hiv-epidemic/overview>
5. HIVandMe. (2021). Getting to Zero. https://hivandme.com/wp-content/uploads/2021/01/GTZ_Full-Plan.pdf
6. Mayer, K. H., Ayaya, A., & Malebranche, D. (2020). Barriers to the Wider Use of Pre-exposure Prophylaxis in the United States: A Narrative Review. *Advances in Therapy*, 37(5), 1778-1811. <https://doi.org/10.1007/s12325-020-01295-0>
7. Centers for Disease Control and Prevention. (2021). Pre-exposure Prophylaxis for the Prevention of HIV Infection in the United States - 2021. <https://www.cdc.gov/hiv/pdf/risk/prep/cdc-hiv-prep-guidelines-2021.pdf>
8. Truvada Package Insert. (2004). https://www.gilead.com/-/media/files/pdfs/medicines/hiv/truvada/truvada_pi.pdf
9. Descovy Package Insert. (2015). https://www.gilead.com/-/media/Files/pdfs/medicines/hiv/Descovy/descovy_pi.pdf
10. Apretude Package Insert. (2021). https://www.accessdata.fda.gov/drugsatfda_docs/label/2021/215499s000b1.pdf
11. Centers for Disease Control and Prevention. (2016). Updated Guidelines for Antiretroviral Post-exposure Prophylaxis After Sexual, Injection Drug Use, or Other Nonoccupational Exposure to HIV—United States, 2016. <https://www.cdc.gov/hiv/pdf/programresources/cdc-hiv-npep-guidelines.pdf>
12. Isentress Package Insert. (2007). https://www.merck.com/product/usa/pi_circulars/i/sentress/isentress_pi.pdf
13. Trivacy Package Insert. (2013). https://www.merck.com/product/usa/pi_circulars/i/sentress/isentress_pi.pdf
14. Kuhar, D. (2013, September). Updated US Public Health Service Guidelines for the Management of Occupational Exposure to Human Immunodeficiency Virus and Recommendations for Post-exposure Prophylaxis. *The Society for Healthcare Epidemiology of America*. Retrieved February 9, 2022, from [https://www.jstor.org/stable/10.1086/672271/meded.000.000.000.000](https://www.jstor.org/stable/10.1086/672271/meded.000.000.000)
15. National LGBT Health Education Center. (2016, April). Case Studies in PrEP Management. <https://www.umc.edu/UMMC/Outreach-Programs/MS-AIDS-Education-Training-Center/images/prep-case-studies-kevin-and-j.pdf>
16. Nevada Laws Expand Patients' Access to Pharmacist Services. (2021, June 2). American Society of Health-System Pharmacists. Retrieved February 9, 2022, from https://www.ashp.org/news/2021/06/02/nevada-laws-expand-patients-access-to-pharmacist-services?utm_source=ur&utm_medium=ss&utm_campaign=SSOCheckOnly
17. Utah-specific PrEP information, resources, and tools |. (2021). PleasePrEPMe. Retrieved February 9, 2022, from <https://www.pleaseprepmep.org/Utah>
18. State of Utah Department of Commerce. (2021, September). Utah Guidance For Pre-Exposure and Post-Exposure Prophylaxis of HIV.
19. Division of Occupational and Professional Licensing. (2021). *Utah Pharmacy Practice Act*. https://lic.utah.gov/codes/Title8/Chapter17b/C38-17b_1800010118000101.pdf
20. Utah Division of Occupational and Professional Licensing. (2021). *Utah Pharmacy Practice Act Rule*. <https://rules.utah.gov/wp-content/uploads/156-17b.pdf>
21. Lutz, S., Heberling, M., & Goodlet, K. J. (2021). Patient perspectives of pharmacists prescribing HIV pre-exposure prophylaxis: A survey of patients receiving antiretroviral therapy. *Journal of the American Pharmacists Association*, 61(2), 75-79. <https://doi.org/10.1016/j.japh.2020.09.020>
22. Testing & Treatment. (2016, January 8). Health Department | SLCO. Retrieved February 9, 2022, from <https://slco.org/health/stl-clinic/testing-treatment/>



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