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

### **Chloe Ortbals, PharmD**

PGY-1 Health System Pharmacy Administration and Leadership Resident
University of Utah Health
Chloe.Ortbals@hsc.utah.edu

### **Disclosure**

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



### **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)



# 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.



# **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.



# 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:

**American** (N= 15,340)

The most common transmission category:

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

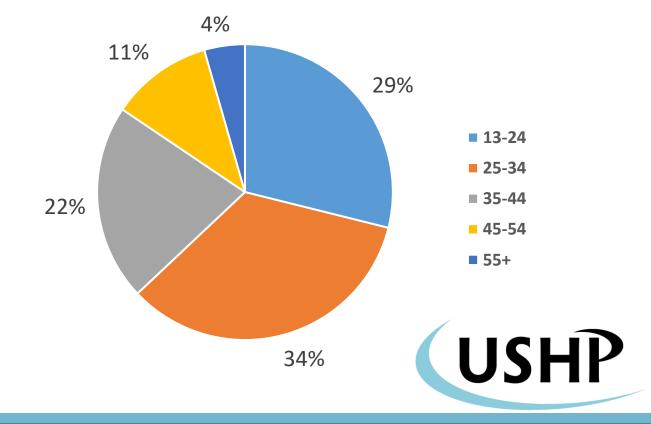


# **Utah Background**

### 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

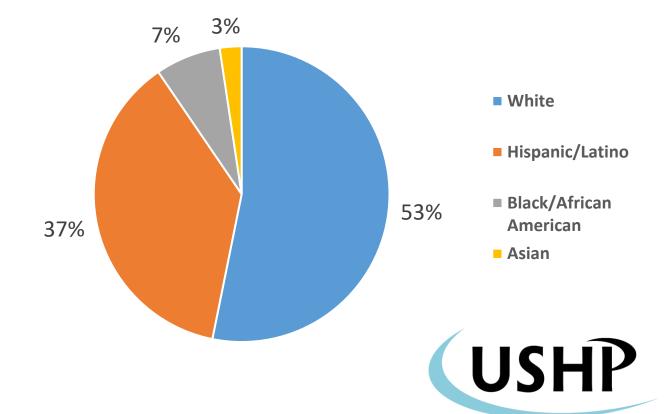


# **Utah Background**

### 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	-

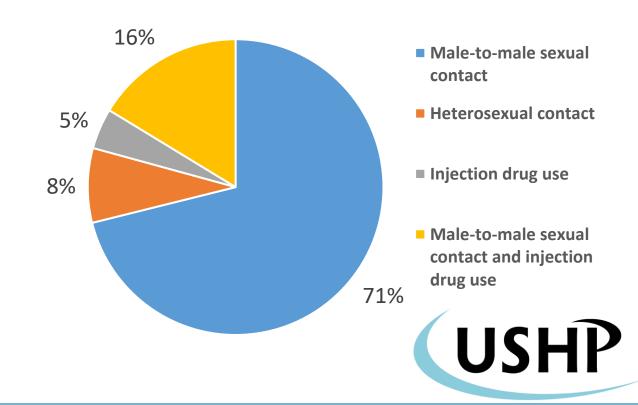


# **Utah Background**

### 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



# **Medication Therapy in HIV Prevention**



### **Pre-exposure prophylaxis**

1 tablet with 2 drugs: Taken daily before high-risk activity

1 injection: Given every 2 months

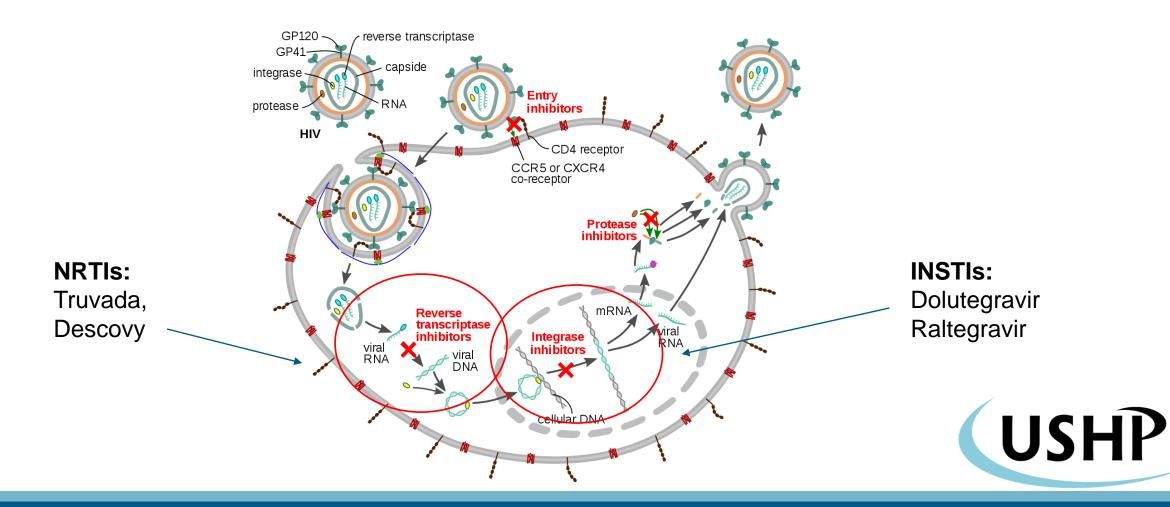


### Post-exposure prophylaxis

2 tablets with 3 drugs: Taken within 72 hours for **28 days** 



### **HIV Prevention Mechanism of Action**



### Just how effective is PrEP?

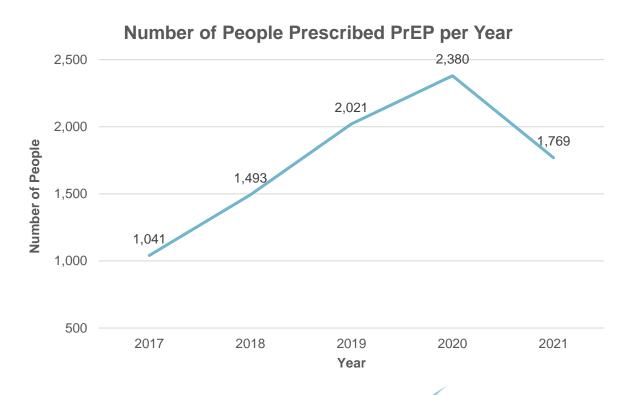
when taken as prescribed



# 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





# 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



# **Ending the HIV Epidemic Initiative**

75%

reduction in new HIV infections by 2025

And at least

90%

reduction by 2030



**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.



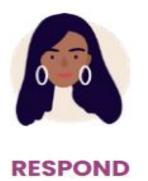
### **Getting to Zero**

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.











# Getting to Zero HIV Prevention Strategies

2022

- Increase access to PrEP education
- Increase PEP resources and education statewide
- Increase representation of impacted communities in the Utah HIV Planning Group
- Develop two new sexual health initiatives
- Increase harm reduction programming for people living with HIV who use drugs

2023

- Increase funding mechanisms that support PrEP
- Increase the number of providers prescribing PrEP
- Publish a report on PrEP and PEP utilization and usage barriers
- Increase the quality and availability of sexual health data

2025

Increase the number of PrEP users in Utah by 50%



### **Audience Response Question**

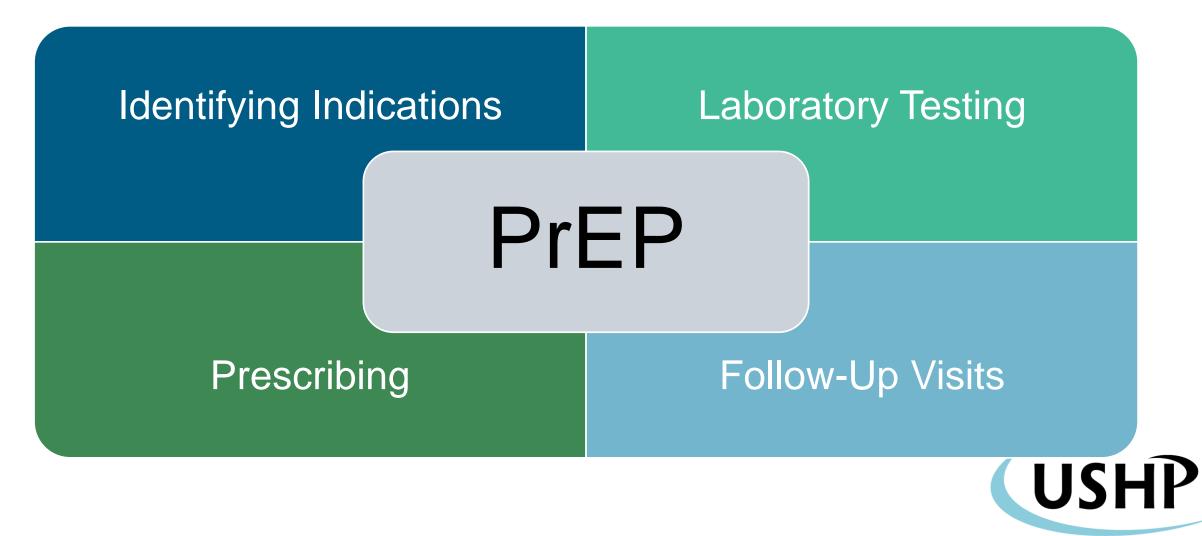
What are common medical and social barriers HIV PrEP and PEP patients face?

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





### **HIV Prevention Guideline Directed Treatment**



### **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



# **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)



Generic	Brand	Dosing	When to Use	Considerations	Precautions	Common Side Effects (≥2%)
Tenofovir Disoproxil Fumarate (TDF) + Emtricitabine (FTC)	Truvada®	1 tablet by mouth daily	Any healthy adult or adolescent at risk for HIV	<ul> <li>Available Generic</li> <li>≤ 90 day supply</li> <li>Weight ≥ 35 kg</li> <li>CrCl ≥60 mL/min</li> <li>Adherence</li> </ul>	<ul> <li>New onset or worsening renal impairment</li> <li>Decrease in bone mineral density</li> <li>Lactic acidosis or severe hepatomegaly with steatosis</li> </ul>	<ul><li>Headache</li><li>Abdominal Pain</li><li>Weight loss</li></ul>



Generic	Brand	Dosing	When to Use	Considerations	Precautions	Common Side Effects (≥5%)
Tenofovir Alafenamide Fumarate (TAF) + Emtricitabine (FTC)	Descovy®	1 tablet by mouth daily	<ul> <li>Men and transgender women</li> <li>Preferred in persons with osteoporosis or related bone disease</li> </ul>	<ul> <li>No generic</li> <li>≤ 90 day supply</li> <li>Weight ≥ 35 kg</li> <li>CrCl ≥30 mL/min</li> <li>Adherence</li> </ul>	<ul> <li>New onset or worsening renal impairment</li> <li>Lactic acidosis or severe hepatomegaly with steatosis</li> </ul>	• Diarrhea



Generic	Brand	Dosing	When to Use	Considerations	Precautions	Common Side Effects (≥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> <li>Persons with difficulty adhering to oral regimens</li> <li>Significant renal disease</li> </ul>	<ul> <li>Must be given in clinic</li> <li>Weight ≥ 35 kg</li> </ul>	<ul><li>Hypersensitivity</li><li>Hepatotoxicity</li><li>Depressive Disorders</li></ul>	<ul> <li>Injection site reactions</li> <li>Diarrhea</li> <li>Headache</li> <li>Pyrexia</li> <li>Fatigue</li> <li>Nausea</li> <li>Dizziness</li> <li>Abdominal Pain</li> <li>Myalgia</li> <li>Rash</li> <li>Appetite Changes</li> <li>Back Pain</li> <li>Resp. Tract Infection</li> </ul>



# Follow-Up

F/TDF and F/TAF	Cabotegravir
Every 3 months:	1 month after first injection:
□ HIV Ag/Ab test and HIV-1 RNA assay	□ HIV Ag/Ab test and HIV-1 RNA assay
■ Medication adherence	
□ Behavioral risk reduction support	Every 2 months (starting with third injection):
	□ HIV Ag/Ab test and HIV-1 RNA assay
Every 6 months:	
Assess renal function if age ≥50 or CrCl ≤90 mL/min at PrEP	Every 4 months (starting with third injection):
initiation	□ Bacterial STI screening for MSM and transgender women
■ Bacterial STI testing for sexually active patients	
	Every 6 months (starting with fifth injection):
Every 12 months:	□ Bacterial STI screening for heterosexually active patients
□ Assess renal function for all patients	
☐ Chlamydia screening for heterosexually active patients	Every 12 months (starting with first injection):
□ For patients on F/TAF, assess weight, triglyceride, and cholesterol levels	☐ Chlamydia screening for heterosexually active patients

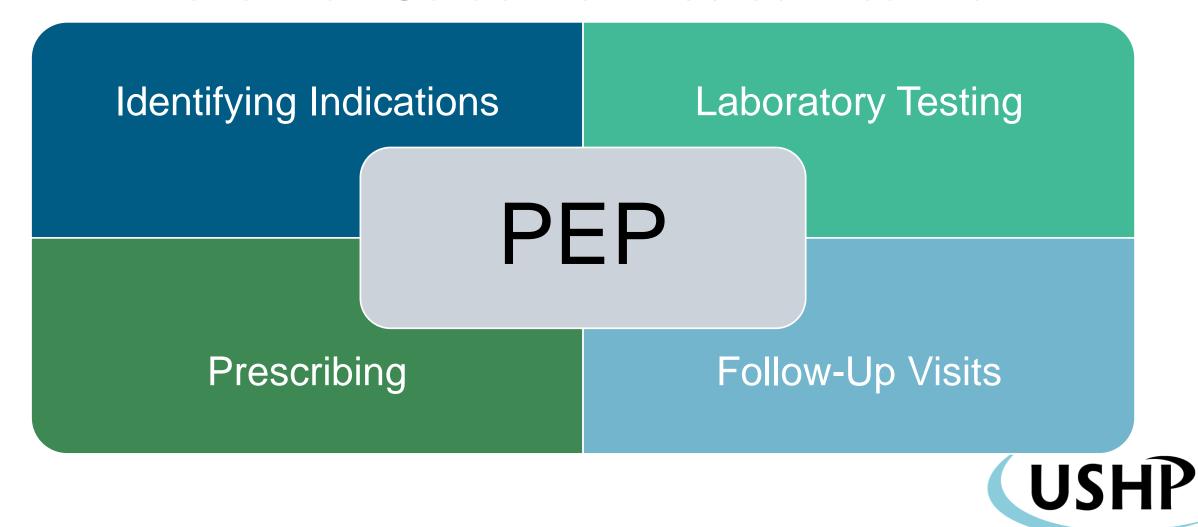


Q: How long does it take for PrEP to be effective?

A: Receptive anal sex = 7 days
Receptive vaginal sex and injection drug use = 21 days



### **HIV Prevention Guideline Directed Treatment**



### 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



# **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)



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> <li>Weight ≥ 35 kg</li> <li>CrCl ≥60 mL/min</li> <li>Separation of cations</li> <li>Adherence</li> </ul>	<ul> <li>New onset or worsening renal impairment</li> <li>Decrease in bone mineral density</li> <li>Lactic acidosis or severe hepatomegaly with steatosis</li> <li>Hypersensitivity reactions</li> </ul>	<ul> <li>Headache</li> <li>Abdominal Pain</li> <li>Weight Changes</li> <li>Insomnia</li> <li>Dizziness</li> </ul>



# 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



### **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



### **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





# **Results of Testing**

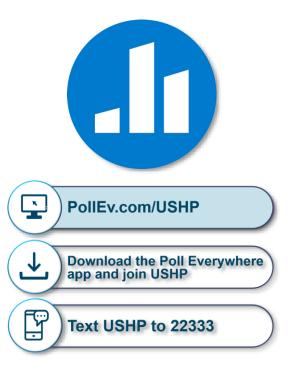
- HIV negative
- HBV negative
- STI negative
- CrCl 82 mL/min
- Lipid Panel: WNL



### **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





# Timeline of HIV PrEP and PEP Pharmacist Prescriptive Authority

California
Jan 2020

Colorado Nov 2020 Oregon
Jun 2021

Utah
Nevada
Virginia
Missouri
New Jersey
New York



### **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	<ul> <li>amends the definition of the practice of pharmacy to include issuing a prescription</li> </ul>
13	for certain prescription drugs and devices;
14	<ul> <li>defines the types of prescription drugs and devices that may be prescribed by a</li> </ul>
15	pharmacist; and
16	<ul> <li>authorizes the Division of Occupational and Professional Licensing to make rules to</li> </ul>
17	implement the provisions of this bill.

### **Pharmacy Practice Act**

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

### **Pharmacy Practice Act Rule**

- ✓ **Open Comment:** January 14<sup>th</sup>, 2022
- ✓ **Date Effective:** January 27<sup>th</sup>, 2022



# 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;



# 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 USHP

# 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



# 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



# 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



# **PrEP Protocol**

Indications	Labs	Medication	Follow-Up
Per CDC Guidelines: Anyone who has one or more risk factors for HIV	<ul><li>Required:</li><li>HIV Ag/Ab (within 14 days)</li><li>Serum Creatinine</li><li>STI testing (3 sites)</li></ul>	Based on pharmacist judgement after patient assessment:  • Truvada® or generic	<ul><li>Every 3 months:</li><li>HIV Ag/Ab</li><li>Every 6 months:</li></ul>
<ul> <li>Referral Required:</li> <li>Existing HIV infection</li> <li>Existing HBV infection</li> <li>CrCl ≤ 30 mL/min or</li> </ul>	<ul> <li>Syphilis</li> <li>Gonorrhea</li> <li>Chlamydia</li> <li>HBV surface antigen</li> </ul>	<ul><li>Descovy®</li><li>Duration:</li><li>30 days with no refills if</li></ul>	<ul><li>STI testing</li><li>Serum creatinine</li></ul> Annually:
under care for chronic kidney disease  Contraindicated home medications	<ul> <li>Screening Required:</li> <li>Signs/symptoms of STI</li> <li>Condomless sex in the past two weeks</li> </ul>	<ul> <li>baseline testing not completed</li> <li>90 days otherwise</li> <li>Refill quantity only until next scheduled follow-up</li> </ul>	<ul> <li>STI testing</li> <li>For patients on         Descovy®, assess         weight, triglyceride, and cholesterol levels     </li> </ul>



Information updated as of February 14th, 2022

### **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



Information updated as of February 14<sup>th</sup>, 2022

# **PEP Protocol**

Indications	Labs	Medication	Follow-Up
Exposure within 72 hours	The pharmacist is required	Only regimen permitted for	Pharmacist will contact
and no known HIV infection	to contact the patient's	pharmacist prescribing at	patient approximately 1
Referral Required:	primary care provider or other appropriate provider to	this time:	month after initial prescription:
• Exposure > 72 hours	provide written notification	Truvada® <b>PLUS</b> Raltegravir	prescription.
<ul> <li>Patients &lt;13 years old</li> </ul>	of PEP prescription and to	AND	6 Weeks:
<ul> <li>Existing HIV infection</li> </ul>	facilitate establishing care	Written individualized care	<ul> <li>HIV Ag/Ab</li> </ul>
Existing HBV infection	for baseline testing:	plan	HBV/HCV test
No established primary	HIV Ag/Ab     Serum exectining	Duration.	• CMP
care provider for follow-	<ul><li>Serum creatinine</li><li>AST/ALT</li></ul>	<ul><li>Duration:</li><li>28-30 days with no refills</li></ul>	<ul><li>STI testing</li><li>Pregnancy (if applicable)</li></ul>
<ul><li>up</li><li>Reduced renal function</li></ul>	HBV serology	20-50 days with no remis	i regulaticy (ii applicable)
or chronic kidney	<ul> <li>HCV antibody</li> </ul>		3 Months:
disease	STI testing		<ul> <li>HIV Ag/Ab</li> </ul>
	<ul> <li>Pregnancy (if applicable)</li> </ul>		HCV antibody

**USHP** 

Information updated as of February 14th, 2022

### **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 comanaged 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

USHP

Information updated as of February 14<sup>th</sup>, 2022

### **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.

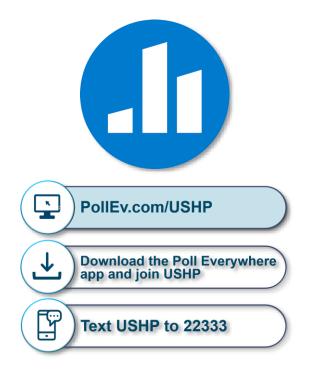
After a patient assessment you find out:

- 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



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





# **Results of Testing**

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



Are we able to prescribe PEP for this patient?

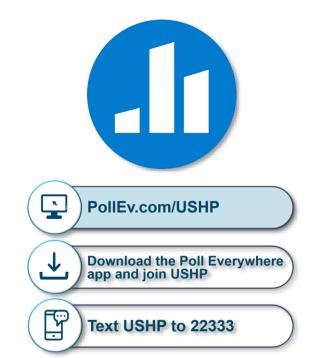
- A. Yes
- B. No, she needs a referral to a PCP





What medication regimen would be BEST for this patient?

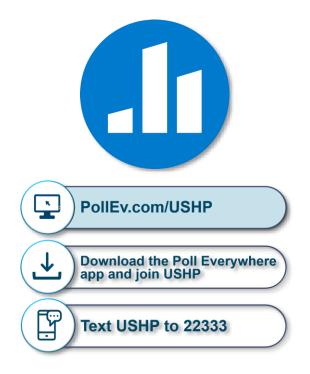
- A. F/TDF + Raltegravir, twice daily
- B. F/TDF + Dolutegravir, once daily





What medication regimen can we prescribe for this patient?

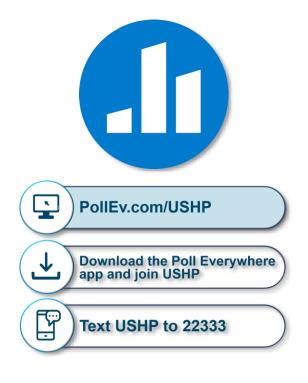
- A. F/TDF + Raltegravir, twice daily
- B. F/TDF + Dolutegravir, once daily





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.
- Instructions on HIV prevention including not sharing injection equipment.
- Importance of medication adherence.
- E. All the above





# **Barriers with Required Labs**

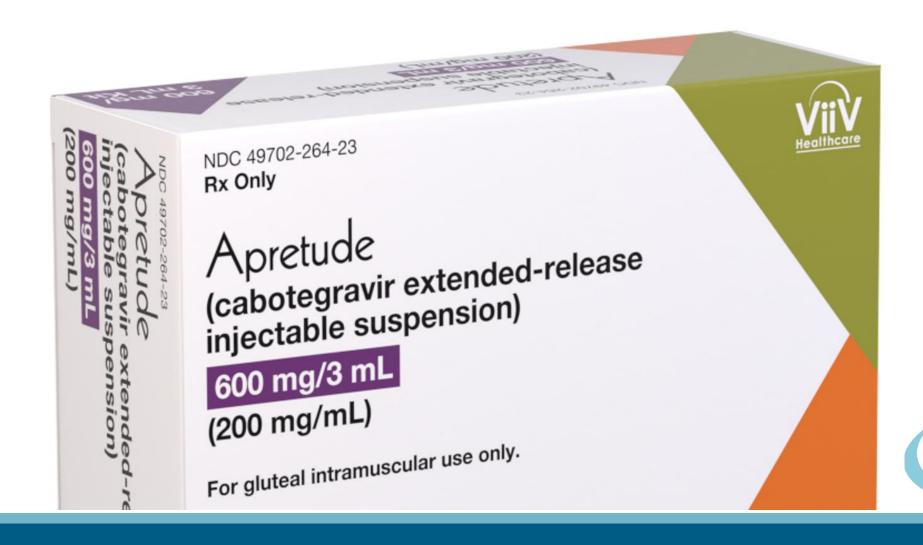
Up to the individual pharmacy to establish access to labs

- 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



# What about Cabotegravir?









#### 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



### **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



### **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

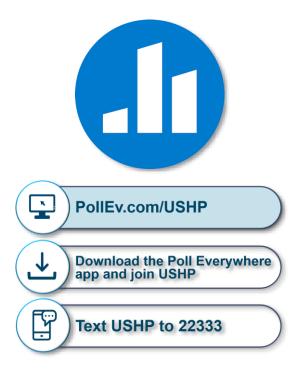
#### Questions?

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



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





# 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.



### References

- 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
- AtlasPlus Tables. (2021, February). Centers for Disease Control and Prevention. Retrieved February 9, 2022, from https://gis.cdc.gov/grasp/nchhstpatlas/tables.html
- 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
- 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
- Mayer, K. H., Agwu, 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 6.
- Centers for Disease Control and Prevention. (2021). Preexposure 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
- 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
- Apretude Package Insert. (2021). https://www.accessdata.fda.gov/drugsatfda\_docs/label/2021/215499s000lbl.pdf
- Centers for Disease Control and Prevention. (2016). Updated Guidelines for Antiretroviral Postexposure 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 11.
- Isentress Package Insert. (2007), https://www.merck.com/product/usa/pi\_circulars/i/isentress/isentress pi.pdf 12.
- Tivicay Package Insert. (2013). https://www.merck.com/product/usa/pi\_circulars/i/isentress/isentress\_pi.pdf 13.
- Kuhar, D. (2013, September). Updated US Public Health Service Guidelines for the Management of Occupational Exposures to Human Immunodeficiency Virus and Recommendations for Postexposure Prophylaxis. The Society for Healthcare Epidemiology of America. Retrieved February 9, 2022, from https://www.jstor.org/stable/10.1086/672271#metadata\_info\_tab\_contents 14.
- 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-15. ard.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-lawsexpand-patients-access-to-pharmacist-services?loginreturnUrl=SSOCheckOnly
- Utah-specific PrEP information, resources, and tools |. (2021). PleasePrEPMe. Retrieved February 9, 2022, from https://www.pleaseprepme.org/Utah 17.
- State of Utah Department of Commerce. (2021, September). Utah Guidance For Pre-Exposure and Post-Exposure Prophylaxis of HIV. 18.
- 19. Division of Occupational and Professional Licensing. (2021). Utah Pharmacy Practice Act. https://le.utah.gov/xcode/Title58/Chapter17b/C58-17b 1800010118000101.pdf
- 20. Utah Division of Occupational and Professional Licensing. (2021). Utah Pharmacy Practice Act Rule. https://rules.utah.gov/wp-content/uploads/r156-17b.pdf
- 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 21. USHP
- 22. Testing & Treatment. (2016, January 8). Health Department | SLCo. Retrieved February 9, 2022, from https://slco.org/health/std-clinic/testing-treatment/