



### **Pre-Exposure Prophylaxis for HIV**

# Patient Education, Adherence and Risk Reduction

Sherise Stogner RN ACRN Nurse Case Manager, Vanderbilt Comprehensive Care Center April 19, 2018







### Disclosures

None Declared





## A Tale of Two Clinics

Vanderbilt Comprehensive Care Clinic



Infectious disease experts Katie White, M.D., Ph.D., and Sean Kelly, M.D., are working to raise awareness of effective way to prevent HIV infection, including the combination drug therapy called pre-exposure prophylaxis, or PEP. (photo by Daniel Dubiol)

Katie White MD Sean Kelly MD

### My House

Neighborhood Health HRSA Supported Health Center



Kim Rivers FNP-C





# Agenda

- Building Trust
- Why Adherence Matters
- Barriers to Adherence
- Patient Education
- Financial Support





## **Building Trust**

- Building trust is crucial to patient education, adherence and risk reduction.
- Starts at the Call Center
  - Create an environment of safety and trust throughout your clinic.







### **Building Trust**



### 🔁 Full Access

# The importance of the patient–clinician relationship in adherence to antiretroviral medication

Alex Molassiotis RN PhD🗙, Kate Morris B. Pharm, Ian Trueman RN MSC

First published: 15 November 2007 | https://doi.org/10.1111/j.1440-172X.2007.00652.x | Cited by:13



# CDC Emphasizes Importance of Building Trust

https://effectiveinterventions.cdc.gov/docs/default-source/pfhma/medadherencewaysbuildtrust.pdf?sfvrsn=2

### Partnership for Health - Medication Adherence Ways to Build Trust and Communication

One goal of the Partnership for Health - MA strategy is to increase your patients' knowledge about ART and the importance of adherence. Patients may not fully understand or have misconceptions about how ART works to keep them healthy. This lack of understanding or misconceptions about ART and adherence could lead to skipped doses or stopping medication. In addition, side effects associated with ART may also lead to skipped doses. Describing how the medication works, possible side effects and their duration, and the consequences of missed doses engages the patient as an informed participant in this partnership.

Establishing trust and communication is a core component of the Partnership for Health - MA strategy. Fostering a respectful, open, and honest relationship will enhance your patients' willingness to speak truthfully about their struggles with adherence. Ways to encourage open communication and build trust include the following.











### **Barriers to Adherence**

- Stigma
- Educational
- Motivation
- Financial
- Social Determinants of Health
  - Be aware of local resources for transportation, housing, food, etc
- Mental Health / Substance Abuse Concerns
  - Don't assume that mental illness will result in poor adherence
  - Know local resources for substance abuse and mental health services







## Barriers to Adherence - Stigma

- Stigma regarding HIV in general
- Stigma regarding PrEP
  - Judgment from providers
  - Judgment from partners
  - Partner could find out about sex outside of the relationship
  - Partner would misinterpret taking PrEP as having HIV





# Stigma

A preventative measure against the consequences of sexual activity

# ... condones sexual activity ... promotes sexual activity

... causes sexual activity







# Stigma

### PrEP is a "party drug"

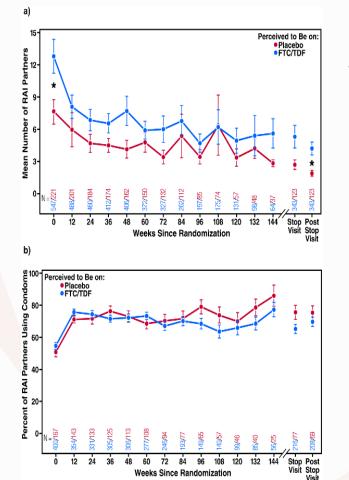
- PrEP promotes "bareback sex"
- PrEP users will stop using condoms
- PrEP users will acquire more STIs







# No evidence of sexual risk compensation in the View in



For patients believing they were on PrEP, the number of receptive anal intercourse partners decreased.

For patients believing they were on PrEP, condom use increased.

Syphilis incidence also decreased in both study arms

Julia L. Marcus, David V. Glidden, Kenneth H. Mayer, Albert Y. Liu, Susan P. Buchbinder, K. Rivet Amico, Vanessa McMahan, Esper Georges Kallas, Orlando Montoya-Herrera, Jose Pilotto, Robert M. Grant. PLoS One. 2013 Dec 18;8(12):e81997





### Stigma

# As a society, we treat any HIV-related health care activities differently.

# As healthcare providers, we need to accept our responsibility to protect our patients.

Sean Kelly, MD

Assistant Professor Vanderbilt Division of Infectious Diseases







Set realistic expectations.

My personal mantra: People are people and they are going to have sex.







Role of Adherence

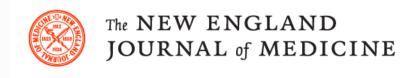
### PrEP Works......WHEN YOU TAKE IT







### Risk Reduction iPrEX



ISSUES \*

HOME ARTICLES & MULTIMEDIA \*

SPECIALTIES & TOPICS \* FOR AUTHORS \*

CME >

#### ORIGINAL ARTICLE

### Preexposure Chemoprophylaxis for HIV Prevention in Men Who Have Sex with Men

Robert M. Grant, M.D., M.P.H., Javier R. Lama, M.D., M.P.H., Peter L. Anderson, Pharm.D., Vanessa McMahan, B.S., Albert Y. Liu, M.D., M.P.H., Lorena Vargas, Pedro Goicochea, M.Sc., Martín Casapía, M.D., M.P.H., Juan Vicente Guanira-Carranza, M.D., M.P.H., Maria E. Ramirez-Cardich, M.D., Orlando Montoya-Herrera, M.Sc., Telmo Fernández, M.D., Valdilea G. Veloso, M.D., Ph.D., Susan P. Buchbinder, M.D., Suwat Chariyalertsak, M.D., Dr.P.H., Mauro Schechter, M.D., Ph.D., Linda-Gail Bekker, M.B., Ch.B., Ph.D., Kenneth H. Mayer, M.D., Esper Georges Kalás, M.D., Ph.D., K. Rivet Amico, Ph.D., Kathleen Mulligan, Ph.D., Lane R. Bushman, B.Chem., Robert J. Hance, A.A., Carmela Ganoza, M.D., Patricia Defechereux, Ph.D., Brian Postle, B.S., Furong Wang, M.D., J. Jeff McConnell, M.A., Jia-Hua Zheng, Ph.D., Jeanny Lee, B.S., James F. Rooney, M.D., Howard S. Jaffe, M.D., Ana I. Martinez, R.Ph., David N. Burns, M.D., M.P.H., and David V. Glidden, Ph.D., for the iPrex Study Team<sup>\*</sup>

N Engl J Med 2010; 363:2587-2599 | December 30, 2010 | DOI: 10.1056/NEJMoa1011205

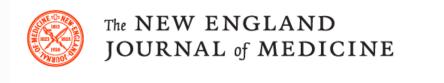
### 44% HIV risk reduction

But, 92% risk reduction when taken consistently among MSM and transgender women





### Risk Reduction TDF2 Study Group



HOME ARTICLES & MULTIMEDIA \* ISSUES \* SPECIALTIES & TOPICS \* FOR AUTHORS \* (CME)

#### ORIGINAL ARTICLE

#### Antiretroviral Preexposure Prophylaxis for Heterosexual HIV Transmission in Botswana

Michael C. Thigpen, M.D., Poloko M. Kebaabetswe, Ph.D., M.P.H., Lynn A. Paxton, M.D., M.P.H., Dawn K. Smith, M.D., M.P.H., Charles E. Rose, Ph.D., Tebogo M. Segolodi, M.Sc., Faith L. Henderson, M.P.H., Sonal R. Pathak, M.P.H., Fatma A. Soud, Ph.D., Kata L. Chillag, Ph.D., Rodreck Mutanhaurwa, M.B., Ch.B., Lovemore Ian Chirwa, M.B., Ch.B., M.Phil, Michael Kasonde, M.B., Ch.B., Daniel Abebe, M.D., Evans Buliva, M.B., Ch.B., Roman J. Gvetadze, M.D., M.S.P.H., Sandra Johnson, M.A., Thom Sukalac, Vasavi T. Thomas, M.P.H., R.Ph., Clyde Hart, Ph.D., Jeffrey A. Johnson, Ph.D., C. Kevin Malotte, Dr.P.H., Craig W. Hendrix, M.D., and John T. Brooks, M.D., for the TDF2 Study Group<sup>o</sup> N Engl J Med 2012; 367:423-434 [August 2, 2012] DOI: 10.1056/NEJMoa1110711

62.2% HIV risk reduction among heterosexual men and women

(100% in open-label extension with regular follow-up)





### Risk Reduction Partners PrEP Study Team



ARTICLES & MULTIMEDIA \*

ISSUES \* SPECIALTIES & TOPICS \*

FOR AUTHORS \* CME >

#### ORIGINAL ARTICLE

HOME

### Antiretroviral Prophylaxis for HIV Prevention in Heterosexual Men and Women

Jared M. Baeten, M.D., Ph.D., Deborah Donnell, Ph.D., Patrick Ndase, M.B., Ch.B., M.P.H., Nelly R. Mugo, M.B., Ch.B., M.P.H., James D. Campbell, M.D., Jonathan Wangisi, M.B., Ch.B., Jordan W. Tappero, M.D., M.P.H., Elizabeth A. Bukusi, M.B., Ch.B., Ph.D., Craig R. Cohen, M.D., M.P.H., Eliy Katabira, M.B., Ch.B., Alan Ronald, M.D., Elioda Tumwesigye, M.B., Ch.B., Edwin Were, M.B., Ch.B., M.P.H., Kenneth H. Fife, M.D., Ph.D., James Kiarie, M.B., Ch.B., M.P.H., Carey Farquhar, M.D., M.P.H., Grace John-Stewart, M.D., M.D., Aloysious Kakia, M.B., Ch.B., Josephine Odoyo, M.P.H., Kenneth Ngure, Ph.D., Cosmas Apaka, B.Sc., Harrison Tamooh, M.B., Ch.B., Fridah Gabona, M.B., Ch.B., M.P.H., Kenneth Ngure, Ph.D., Cosmas Apaka, B.Sc., Harrison Tamooh, M.B., Ch.B., Fridah Gabona, M.B., Ch.B., Andrew Mujugira, M.B., Ch.B., Dana Panteleeff, B.S., Katherine K. Thomas, M.S., Lara Kidoguchi, M.P.H., Meighan Krows, B.A., Jennifer Revall, B.A., Susan Morrison, M.D., M.P.H., Harald Haugen, M.S., Mira Emmanuel-Ogier, B.A., Lisa Ondrejcek, M.A., Robert W. Coombs, M.D., Ph.D., Lisa Frenkel, M.D., Chug Hendrix, M.D., NE., Ph.D., David Bangsberg, M.D., M.P.H., Jessica E. Haberer, M.D., M.P.H., Wendy S. Stevens, M.D., F.C.Path., Jairam R. Lingappa, M.D., Ph.D., and Connie Celum, M.D., M.P.H., Kenfer S PLE Study Team<sup>\*</sup>

### 75% HIV risk reduction among heterosexual sero-discordant couples

90% among those with detectable drug levels





### Risk Reduction Bangkok Tenofovir Study Group

### THE LANCET



Volume 381, Issue 9883, 15–21 June 2013, Pages 2083–2090

#### Articles

Antiretroviral prophylaxis for HIV infection in injecting drug users in Bangkok, Thailand (the Bangkok Tenofovir Study): a randomised, double-blind, placebo-controlled phase 3 trial

Kachit Choopanya, MD<sup>a</sup>, Dr Michael Martin, MD<sup>b. c.</sup> ▲· ■, Pravan Suntharasamai, MD<sup>a</sup>, Udomsak Sangkum, MD<sup>a</sup>, Philip A Mock, MAppStats<sup>b</sup>, Manoj Leethochawalit, MD<sup>d</sup>, Sithisat Chiamwongpaet, MD<sup>d</sup>, Praphan Kitisin, MD<sup>d</sup>, Pitinan Natrujirote, MD<sup>d</sup>, Somyot Kittimunkong, MD<sup>e</sup>, Rutt Chuachoowong, MD<sup>b</sup>, Roman J Gvetadze, MD<sup>c</sup>, Janet M McNicholl, MD<sup>b. c</sup>, Lynn A Paxton, MD<sup>c</sup>, Marcel E Curlin, MD<sup>b. c</sup>, Craig W Hendrix, MD<sup>f</sup>, Suphak Vanichseni, MD<sup>a</sup>, for the Bangkok Tenofovir Study Group

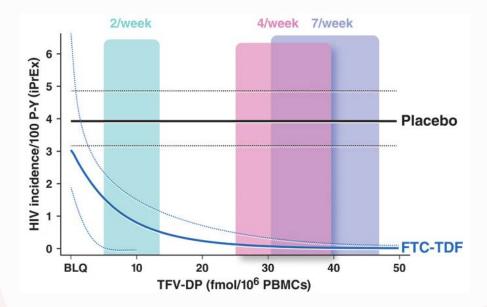
#### 48.9% risk reduction

But, 74% HIV risk reduction when taken consistently, among IDUs (TDF only)





### Risk Reduction Dosing matters



Using drug concentrations in iPrEX and STRAND, pharmacokinetic models predict:

76% risk reduction with 2 doses/week

96% with 4 doses/week

99% with 7 doses/week.

Anderson PL, Glidden DV, Liu A, Buchbinder S, Lama JR, Guanira JV, et al. Emtricitabine-tenofovir concentrations and pre-exposure prophylaxis efficacy in men who have sex with men. Sci Transl Med. 2012;4: 151ra125. doi: 10.1126/scitranslmed.3004006. pmid:22972843





### Risk Reduction Studies Summary

Study	Population	Dosing	Risk Reduction
iPrEX	MSM	Daily	44% (92% with ideal adherence)
TDF2	Heterosexual men and women	Daily	62.2% (100% in open- label extension with regular follow-up)
Partners	Sero-discordant heterosexual couples	Daily	75% (90% with ideal adherence)
Bangkok Tenofovir Study Group	Intravenous drug users	Daily	48.9% (74% with ideal adherence)





### Probability of Acquiring HIV from an Infected Source

Estimated Per-Act Probability of Acquiring HIV from an Infected Source, by Exposure Act\*

Type of Exposure	Risk per 10,000 Exposures	
Parenteral		
Blood Transfusion	9,250	
Needle-Sharing During Injection Drug Use	63	
Percutaneous (Needle-Stick)	23	
Sexual		
Receptive Anal Intercourse	138	
Insertive Anal Intercourse	11	
Receptive Penile-Vaginal Intercourse	8	
Insertive Penile-Vaginal Intercourse	4	
Receptive Oral Intercourse	Low	
Insertive Oral Intercourse	Low	
Other^		
Biting	Negligible	
Spitting	Negligible	
Throwing Body Fluids (Including Semen or Saliva)	Negligible	
Sharing Sex Toys	Negligible	

\* Factors that may increase the risk of HIV transmission include sexually transmitted diseases, acute and late-stage HIV infection, and high viral load. Factors that may decrease the risk include condom use, male circumcision, antiretroviral treatment, and pre-exposure prophylaxis. None of these factors are accounted for in the estimates presented in the table.

^ HIV transmission through these exposure routes is technically possible but unlikely and not well documented.

#### Source

- Patel P, Borkowf CB, Brooks JT. Et al. Estimating per-act HIV transmission risk: a systematic review. AIDS. 2014. doi: 10.1097/QAD.00000000000298.
- Pretty LA, Anderson GS, Sweet DJ. Human bites and the risk of human immunodeficiency virus transmission. Am J Forensic Med Pathol 1999;20(3):232-239.







### Probability of Acquiring HIV from an Infected Source

Sexual	
Receptive Anal Intercourse	138
Insertive Anal Intercourse	11
Receptive Penile-Vaginal Intercourse	
Insertive Penile-Vaginal Intercourse	
Receptive Oral Intercourse	
Insertive Oral Intercourse	

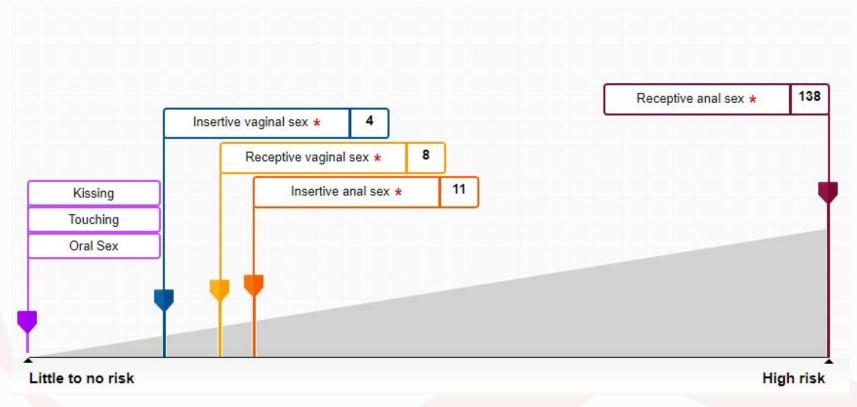
### https://www.cdc.gov/hiv/risk/estimates/riskbehaviors.html







Probability of HIV Transmission per every 10,000 sex acts without protective barriers



### https://wwwn.cdc.gov/hivrisk/estimator.html#-~sb







### Receptive Vs Insertive Sex

#### **Receptive Versus Insertive Sex**

During anal sex, the partner inserting the penis is called the insertive partner (or top), and the partner receiving the penis is called the receptive partner (or bottom).

Receptive anal sex is much riskier for getting HIV. The bottom partner is 13 times more likely to get infected than the top. However, it's possible for either partner to get HIV through anal sex from certain body fluids—blood, semen (*cum*), pre-seminal fluid (*pre-cum*), or rectal fluids—of a person who has HIV. Using condoms or medicines to protect against transmission can decrease this risk.

- Being a receptive partner during anal sex is the highest-risk sexual activity for getting HIV. The *bottom's* risk of getting HIV is very high because the lining of the rectum is thin and may allow HIV to enter the body during anal sex.
- The insertive partner is also at risk for getting HIV during anal sex. HIV may enter the *top* partner's body through the opening at the tip of the penis (or urethra) or through small cuts, scratches, or open sores on the penis.

### https://www.cdc.gov/hiv/risk/analsex.html







### Condom Use

Education from a perspective of pleasure / quality of life vs fear.





More and more smart men are alipping into condonistonight. Protocting themselves and their partners. And, enjoying sex all over again. Shouldn't you?

Use condoms. There's living proof they stop AIDS. HERO

945-AIDS - 251-1164 - 1-809-638-6252







# Risk Reduction Barrier to Condom Use

- Power issues and self esteem are often barriers to condom use.
  - Dominant partner
  - Domestic violence
  - Sex workers
  - People trading sex for housing, food or drugs
- Teach negotiation skills
  - International Planned Parenthood Federation
    - https://www.ippf.org/blogs/condom-negotiation







### **Condom Negotiation**

Here are some lines you could use to persuade a partner to use a condom:

She says, "I'm on the pill, don't worry." You say, "I trust you. But I want to protect both of us just in case."

He says, "We already did it without a condom once." You say, "And that was a mistake. I worried about being pregnant all month!"



She says, "What — a condom? Are you trying to say that I've cheated on you?" You say, "I trust you. I use condoms because I care about you, and me, and our future together."

He says, "I always pull out in time, don't worry."

You say, "I know, but when we use a condom you don't have to pull out. It can feel even better."

She says, "I can't feel anything when you wear a condom."

You say, "That's awful! Let's wait then and try another brand or size that fits me better and some special 'warming' lubricant tomorrow."

He says, "I can't keep a hard on with a condom." You say, "I can't relax and enjoy sex without a condom. So I'll help you stay hard."





**Ineffective Strategy** 

#### Serosorting for HIV-Negative Persons

Population	Effectiveness Estimate	Source	Interpretation
MSM	54%	Kennedy, 2013	When compared to condomless anal sex with either HIV-positive or unknown status partners, HIV- negative MSM who self-report serosorting reduce their risk of HIV acquisition by 54%. When compared to no condomless anal sex, serosorting results in increased risk of acquiring HIV.
Heterosexual Men and Women	54%	Kennedy, 2013	There is no direct evidence for effectiveness of serosorting in reducing the risk of acquiring HIV among HIV-negative heterosexual men and women. There is no reason, however, to believe serosorting wouldn't also be effective in heterosexual men and women. When compared to condomless sex with either HIV-positive or unknown status partners, HIV- negative heterosexual men and women who self-report serosorting may reduce their risk of HIV acquisition by 54%. When compared to no condomless sex, serosorting may result in increased risk of acquiring HIV.

https://www.cdc.gov/hiv/risk/estimates/preventionstrategies.html





# Risk Reduction Ineffective Strategy

#### Circumcision of Adult Males Effectiveness Population Estimate Source Interpretation Based on observational studies of circumcision among adult males, there is insufficient evidence at MSM. Inconclusive Wlysonge. 2011: this time to conclude that male circumcision reduces the risk of the insertive partner acquiring HIV Insertive Anal Sex Sanchez. during anal sex among MSM. 2011: Doerner. 2013 MSM. Inconclusive Wlysonge, Based on observational studies of circumcision among adult males, there is insufficient evidence at Receptive 2011; this time to conclude that male circumcision (of the insertive partner) reduces the risk of the receptive partner acquiring HIV during anal sex among MSM. Anal Sex Schneider. 2012 Heterosexual 50% Slegfried, Based on trials of circumcision among adult males, male circumcision reduces the risk of 2009 heterosexual men acquiring HIV during sex by 50%. Men Wawer. Heterosexual Inconclusive Based on several trials and observational studies of circumcision among adult males, there is 2009: insufficient evidence at this time to conclude that male circumcision reduces the risk of Women Welss. heterosexual women acquiring HIV during sex. 2009: Baeten. 2010

https://www.cdc.gov/hiv/risk/estimates/preventionstrategies.html







## **Patient Education**

- Establish Trust
- Assessment
- Face to Face
- Tailor the education to your patient
- Printed Material / Web Resources
- Life happens situations change





# V

# Patient Education - Assessment

- Great education starts with a great assessment.
- Get to know your patient and establish trust.
- Things to look for:
  - Cognitive Barriers
  - Stigma
  - Treatment Concerns
  - Social Support
  - Mental Health Concerns
  - Structural Barriers
    - i.e. housing, transportation, insurance, etc
  - Baseline Knowledge of HIV and how to prevent it







### Patient Education - Face to Face

- Pick up on visual cues.
- Helps to establish rapport.
- Helps to engage patient is communicating about their care.
- Helps make active listening more effective.





# Patient Education – Face to Face

https://effectiveinterventions.cdc.gov/docs/default-source/pfhma/medadherencewaysbuildtrust.pdf?sfvrsn=2

Key Elements of Active Listening		
Ask open-ended questions	Closed-ended questions make it easy for patients to dismiss concerns or questions they may have had about their treatment or adherence. Closed-ended questions also make it easy for the provider to quickly assess the patient's immediate needs and make it possible to keep the visit and conversation short. However, open-ended questions invite the patient to discuss their concerns. Providers might ask: "What makes it difficult to take every dose, every day?" "Tell me more about what has changed in your daily routine that may be making it difficult for you take every dose, every day."	
Reflect	"I understand how frustrating it can be to forget taking your doses every day."	
Restate	"You're finding it difficult to take your pill with food because you're not able to wake up early enough to fix breakfast."	
Redirect	Redirecting involves bringing the patient back to the discussion when he or she has strayed off track. Most providers are quite skilled at redirecting. The trick is to redirect, so that the patient feels like he or she is still being heard.	
Affirm	"You recognized the importance of getting back to taking your dose every day."	
Non-verbal communication	Maintain eye contact when the patient speaks, nod your head, and wait for him or her to finish speaking before responding.	





### Patient Education Materials CDC Downloadable Documents



https://www.cdc.gov/actagainstaids/campaigns/starttalking/materials/prepresources.html







### **Patient Education Materials**

#### New Patient Folder







#### Patient Education Materials AIDSinfonet.org

Fact Sheet Number 160



TREATMENT TO PREVENT HIV INFECTION (PrEP)

www.aidsinfonet.org

#### PROPHYLAXIS?

PrEP stands for Pre-exposure prophylaxis. Prophylaxis means disease prevention. PrEP is a new HIV prevention option for HIV-negative individuals to reduce their risk of HIV infection. PrEP for HIV prevention is the use of antiretroviral medications (ARVs) by HIV-negative individuals to reduce risk. Large research studies showed that PrEP could help prevent new HIV infections when used by people at high risk of aettina HIV.

The only research on PrEP is based on using the combination pill Truvada (see fact sheet 421). Research showed over 90% reduction in HIV infections when taken four times a week PrEP taken daily reduced HIV infections by 99%. There is not enough information on other medications. We don't know yet if other drugs or dose timing (like a few times a week instead of every day) might also be a good way to reduce risk of HIV

Truvada as PrEP was studied in people who were at high risk of HIV infection. HIV-negative men who have sex with men, transgender women and heterosexuals at high risk were studied Results in these studies have varied The studies showed that PrEP worked best for people who took the medication every day.

#### HOW IS PrEP TAKEN?

PrEP is currently one tablet of Truvada daily. It can be taken with food, or between meals. There is research ongoing to look at other medications for

Truvada contains two medications, tenofovir (Viread) and emtricitabine (Emtriva) Truvada is only available with a prescription.

WHO SHOULD USE PrEP? PrEP is more than simply taking HIV

pills. The US Centers for Disease

WHAT IS PRE-EXPOSURE Control and Prevention (CDC) has issued guidelines for the use of PrEP. One set of guidelines is for men who have sex with men. Another is for heterosexuals. PrEP should be used by people

> who are at high risk of becoming infected with HIV by sexual activity PrEP should be part of an overall HIV prevention program including condoms and counseling Before taking PrEP, people should be tested to confirm that they are

not already infected with HIV People using PrEP should continue to be tested to make sure they have

not been infected They should also be tested for kidney damage, hepatitis B and any sexually transmitted diseases

#### HOW SHOULD PEOPLE USING

#### PrEP BE MONITORED? The CDC quidelines recommend that

people taking PrEP be seen every 2-3 months in order to: Test for HIV infection

Check for side effects of Truvada . Check for problems taking PrEP every day Reinforce condom use and other

prevention messages

#### WHAT ARE THE LIKELY SIDE EFFECTS?

The most common side effects seen in the studies of Truvada as PrEP include headache, nausea, vomiting, rash and loss of appetite. In some people, tenofovir can increase creatinine and transaminases. These are enzymes related to the kidneys and liver. High levels can indicate damage to these organs. Long-term use of tenofovir can damage the kidneys.

Tenofovir can reduce bone mineral density (see fact sheet 557). Calcium or vitamin D supplements may be helpful This is especially true for people with osteopenia or osteoporosis

A Project of the International Association of Providers of AIDS Care. Fact Sheets can be downloaded from the Internet at http://www.aidsimfonet.org

Levels of lactic acid in the blood (lactic acidosis, see Fact Sheet 556) increase in some people taking tenofovir and emtricitabine. Liver problems including "fatty liver" may also occur.

In rare cases, people taking emtricitabine had some temporary changes in skin color

#### DOES PrEP HAVE RISKS?

People with HIV have used Truvada, tenofovir and emtricitabine, for severa years. They are generally easy to take. Possible long-term side effects include loss of hone mineral density and kidney damage.

Some people worry that people taking PrEP might think they are totally protected. They might be less careful about their sexual behavior. So far, this does not appear to be true.

#### THE BOTTOM LINE

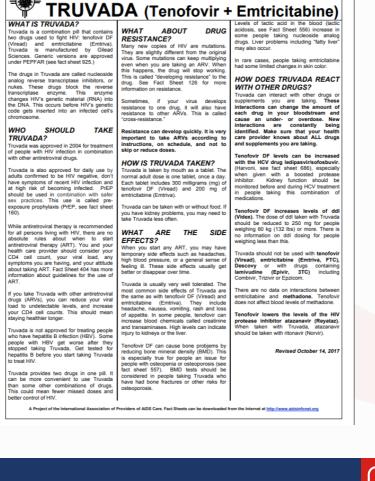
Pre-exposure prophylaxis (PrEP) is the use of the antiretroviral medication Truvada before exposure to HIV, to reduce the risk of HIV infection. When Truvada as PrEP is used correctly and consistently it can reduce the rate of HIV infection by sexual activity by as much as 90%

The benefits of PrEP are potentially very high for reducing new HIV infections in people who recognize their risk of infection and can take Truvada to protect themselves. Some people fear PrEP may encourage unsafe behaviors but this has not been seen.

#### FOR MORE INFORMATION

CDC guidelines on PrEP are on the Intern niv/prep/. Additional at: http://www.cdc.gov/h information on www.prepwatch.org

Reviewed August 28, 2014



www.aidsinfonet.org

Fact Sheet Number 421

AIDS InfoNet



### V

## **Patient Education**

Adherence Tools

- Med boxes
- Key fobs
- Cell phone reminders
- Apps
- Accountability partner

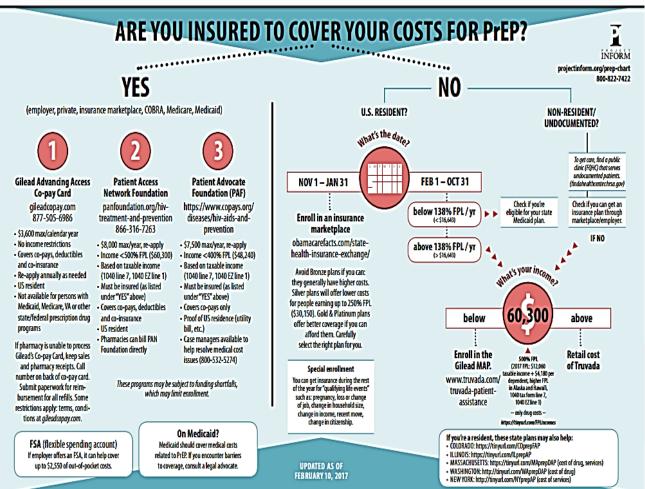








**Financial Support** 







Co Pay Card

- Assess your patient's ability to facilitate obtaining a co pay card.
  - They may need assistance navigating this process.
- Two ways to obtain a co pay card:
  - Phone
    - 1-877-505-6986
  - On line
    - www.gileadadvancingaccess.com







Co Pay Card

Your personal information is required for security purposes and is used to confirm your identity as a cardholder.

Are you a current resident of the United States, Puerto Rico, or U.S. Territories?	Yes	No
Are your prescriptions paid for in part or in full under any state or federally funded program, including but not limited to Medicare or Medicald, Medigap, VA, DOD, or TRICARE?	Yes	No
Are you in the Medicare Part D coverage gap (Donut Hole)?	Yes	No
If you begin receiving prescription benefits from such state, federal, or government-funded program at any time, you will no longer be eligible to use the Gilead Advancing Access <sup>®</sup> co-pay coupon card.	Yes	No
Do you acknowledge your agreement with this statement?		







Co Pay Card

ADVANCING ACCESS®		FINANCIAL SUPPORT	INSUF
Enroll	ment		
Step 2 of	3		
*First nan	ie:		
*Last nan	ie:		
*Date of bir	th: MM - DD -		
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*CI	ty:		
*Sta	te: Select	•	
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	[Optional]		







### **Additional Adherence Tactics**

- Follow up phone calls
  - My House
    - Walgreens Specialty Pharmacy
    - PrEP Navigator
- Appointment Reminders
  - VCCC automated text messaging







#### Conclusion

In order for any of this to work, building a trusting relationship with your patient is essential.







### Conclusion

- PrEP is an extremely effective preventive strategy
- Look at the whole person
- Above all create a culture of safety and trust
- Ask for help! Sherise.stogner@vumc.org





#### Thank You!!

# Questions??





#### Sources

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