

DISCLOSURES	
Dr. Smolynets has provided no disclosures.	
WDO FDC 42	
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OBJECTIVES	
▶ Indications for HIV screening	
▶ Prevention counseling	
► Prophylaxis: PrEP, PEP and nPEP	
▶ Diagnosis	
▶ Basic management	
▶ Follow up	
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RECOMMENDATIONS FOR HIV SCREENING FOR ADULTS AND ADOLESCENTS AND PREGNANT WOMEN In healthcare settings, should be performed routinely from ages 13-64, unless prevalence of undiagnosed HIV infection documented <0.1%</p> ▶ All patients initiating TB treatment ▶ All patients seeking treatment for STDs All patients with signs and symptoms c/w acute retroviral syndrome (also obtain HIV RNA PCR), HIV infection or Opportunistic Infection Suspicion in all patients with high risk behavior (MSM highest risk) ▶ All pregnant women **RECOMMENDATIONS FOR HIV SCREENING FOR ADULTS AND** ADOLESCENTS AND PREGNANT WOMEN ▶ Repeat screening High risk: MSM, injection drug users and their sex partners, sex partners of HIV infected individuals, persons who exchange sex for money or drugs ▶ Before new sexual relationship ► Clinical judgment Occupational exposure/significant exposure to bodily fluids

CONSENT AND PRETEST INFORMATION

- Screening should be voluntary, only with patient's knowledge and understanding
- ▶ Informed orally or in writing unless declines (opt-out testing)
- Consent for HIV screening should be incorporated into general informed consent for medical care, a separate consent form for HIV screen is not recommended
- If patient declines the test, it should be documented in the medical record
- Multiple common languages/translation services should be available

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PREVENTION COUNSELING
 ▶ Discussion of HIV Ab tests ▶ Window period <=3 months ▶ Screening and confirmatory testing are both performed before positive diagnosis ▶ Discuss medical treatment options if results are positive ▶ Referrals for patient and family ▶ Emphasize positive effects of follow up for HIV positive patients ▶ Ensure that the person is making an informed decision to test ▶ Understanding and appropriate consent age ▶ Emphasize the need for f/u results ▶ Discuss with the patient what to do to reduce anxiety while waiting for results ▶ Ask if anyone will come with patient ▶ Emphasize the benefits and courage it to took to come in for testing and come back for results
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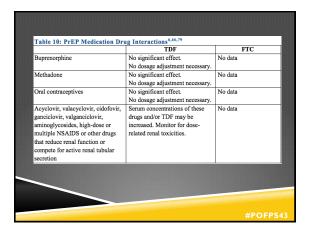
PREVENTION COUNSELING
Sexual risk factors Has the patient had sex, have infected sexual contact, any other h/o STDs, h/o nonconsensual sex, methods of protection, sexual practices/preferences Drug use risk factors h/o drug use, type of drug, method, sharing, environment Medical/traditional practices with contaminated instruments or blood h/o blood transfusion, traditional practices of exchanging blood, sharing razors Mother to child transmission Is the woman pregnant or planning educate Other Does the patient identify other risk factors or concerns, correct misconceptions
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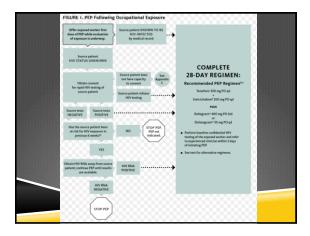
PREVENTION COUNSELING FOLLOW UP Ask the patient and/or observe if ready to receive results Give time for initial reaction If HIV positive Acknowledge, listen, avoid speculation on prognosis, anticipate negative response/denal, help recognize positive coping mechanisms, prepare patient, provide referrals, discuss lifestyle adjustments, provide realistic hope If HIV negative Charify, listen to thoughts and fears, congratulate, discuss risk-reduction methods If HIV inconclusive Educate, provide referrals, reinforce risk-reducing behaviors or abstinence until test results are back

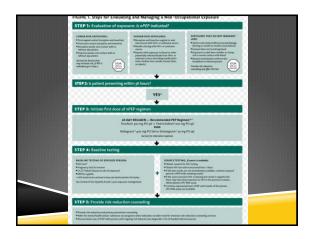
	Men Who Have Sex with Men Heterosexual Women and Men Injection Drug Us				
Detecting substantial risk of acquiring HIV infection	HIV-positive sexual partner Recent bacterial STI High number of sex partners History of inconsistent or no condom use Commercial sex work	HIV-positive injecting partner Sharing injection equipment Recent drug treatment (but currently injecting)			
Clinically eligible	Norm	Inted negative HIV test result before prescrib. No signs/symptoms of acute HIV infection nal renal function, no contraindicated medicated hepatitis B virus infection and vaccinate.	ations		
Prescription	Daily, contin	nuing, oral doses of TDF/FTC (Truvada), <9	0-day supply		
Other services	HIV test, medica	visits at least every 3 months to provide the tion adherence counseling, behavioral risk r de effect assessment, STI symptom assessment he and every 6 months thereafter, assess ren Every 6 months, test for bacterial STIs	eduction support, ent		
	Do oral/rectal STI testing Assess pregnancy intent Access to clean needles/syringe Pregnancy test every 3 months drug treatment services				

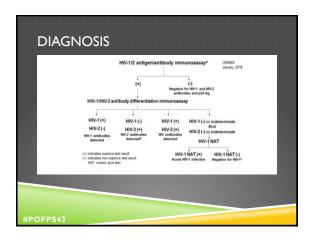
PrEx Trial Phas US MSM Safety Phas		Agent TDF/FTC (n = 1251)	Control Among Men Who hi Placebo (n = 1248)		(See Table 14, Appendix 2)
US MSM Safety Phas		TDF/FTC (n = 1251)			
US MSM Safety Phas		TDF/FTC (n = 1251)	Placebo (n = 1248)		
	ise 2			Adherence	High
		TDF (n = 201)	Placebo (n = 199)	Minimal	High
	-		Among Heterosexual	Men and Women	
Partners PrEP Phas		TDF (n = 1589) TDF/FTC (n = 1583)	Placebo (n = 1586)	Minimal	High
TDF2 Phas	ise 2	TDF/FTC (n = 611)	Placebo (n = 608)	High loss to follow-up; modest sample size	Moderate
			Among Heterose		
FEM-PrEP Phas	ise 3	TDF/FTC (n = 1062)	Placebo (n = 1058)	Stopped at interim analysis, limited follow-up time; very low adherence to drug regimen	Low
West African Phas	ise 2	TDF (n = 469)	Placebo (n = 467)	Stopped early for operational concerns; small sample size; limited follow-up time on assigned drug	Low
VOICE Phas		TDF (n = 1007) TDF/FTC (n = 1003)	Placebo (n = 1009)	TDF arm stopped at interim analysis (futility); very low adherence to drug regimen in both TDF and TDF/FTC arms	Low
			Among Injection	n Drug Users	
BTS Phas	ise 3	TDF (n = 1204)	Placebo (n = 1207)	Minimal	High

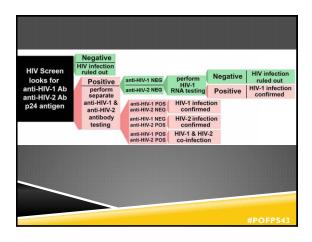
Generic Name	Trade Name	Dose	Frequency	Common Side Effects ⁶⁶
Tenofovir disoproxil fumarate (TDF)	Viread	300 mg	Once a day	Nausea, flatulence
Emtricitabine (FTC) ^a	Emtriva	200 mg	Once a day	Rash, headache
TDF + FTC	Truvada	300mg/200 mg	Once a day	_











	Overall	Male	Female	Sexual (n =	
Features (%)	(n = 375)	(n = 355)	(n = 23)	324)	(n = 34)
Fever	75	74	83	77	50
Fatigue	68	67	78	71	50
Myalgia	49	50	26	52	29
Skin rash	48	48	48	51	21
Headache	45	45	44	47	30
Pharyngitis	40	40	48	43	18
Cervical adenopathy	39	39	39	41	27
Arthralgia	30	30	26	28	26
Night sweats	28	28	22	30	27
Diarrhea	27	27	21	28	23



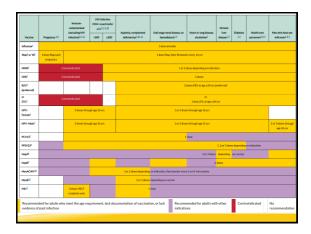
PRIMARY CARE APPROACH	
Routine lab testing Virologic assessment Immunologic assessment TB evaluation STD screening Cytological screening Risk reduction Education	
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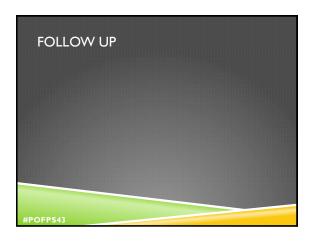
PRIMARY CARE APPROACH
► Tobacco use assessment and counseling
► Reproductive counseling
► Domestic violence screen
► Psychosocial assessment
► Standard health maintenance
► OI prophylaxis
► Immunizations
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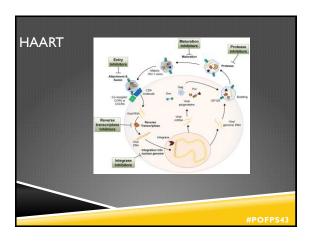
MANAGEMENT
1 D (1 V) (GEI IEI 11
➤ Baseline testing
► HIV RNA PCR (viral load) with genotype
► CD4 count and percent ► CBC
► CBC ► CMP
> Syphilis serology
Hepatitis serologies
► IGRA
➤ G6-PD (especially patients at risk African or Mediterranean descent)
► GC/chlamydia
 General preventive care (pap smear, mammogram, hemoccult, BP screen, fasting glucose, PSA, colonoscopy as recommended for HIV negative pts)
► HLAB5701 assay if tx with abacavir is being considered
➤ Toxoplasma IgG
Fasting lipid profile
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MANAGEMENT
► Initial evaluation
date of infection, CD4, VL, OI, Sxs
PMH include prior TB exposure, chicken pox, shingles, residence and travel, mental health, weight change
Meds/OTC
Vaccinations
Substance use
Sexual history
Social
Allergies
FH
Women: menstrual history, contraception, pregnancy history, osteoporosis dx and tx
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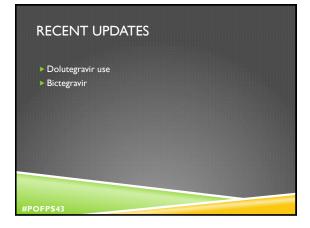
MANAGEMENT
▶ PE
Men: MSM include rectal/genital/anal pap
➤ Skin
➤ Body habitus
Lymphadenopathy
► Neurologic
▶ Oropharyngeal
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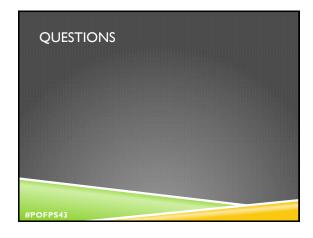






 An antiretroviral (ARV) regimen for a treatment-naive patient generally consists o nucleoside reverse transcriptase inhibitors (NRTIs) in combination with a third ac drug from one of three drug classes: an integrase strand transfer inhibitor (INSTI) nucleoside reverse transcriptase inhibitor (NNTII), or a protease inhibitor (PI) wit pharmacokinetic (PK) enhancer (booslet) (cobicistat or ritonavir). 	ctive ARV), a non-
The Panel on Antiretroviral Guidelines for Adults and Adolescents (the Panel) class following regimens as Recommended Initial Regimens for Most People with HIV alphabetical order):	
 Dolutegravir/abacavir/lamivudine^a—only for patients who are HLA-B*5701- (A1) Dolutegravir plus tenofovir/emtricitabine^{a,b} (A1) Elvitegravir/cobicistat/tenofovir/emtricitabine^b (A1) Raltegravir plus tenofovir/emtricitabine^{a,b} (A1 for tenofovir disoproxil fumal tenofovir alafenamide)^{a,b} 	
To address individual patient characteristics and needs, the Panel also provides a Recommended initial Regimens in Certain Clinical Situations (Table 6). Given the many excellent options for initial therapy, selection of a regimen for a p patient should be guided by factors such as virologic efficacy, toxicity, pill burden frequency, drug-drug interaction potential, resistance testing results, comorbid coacess, and cost. Table 7 provides guidance on choosing an ARV regimen based clinical case scenarios. Table 8 highlights the advantages and disadvantages of components in a regimen.	articular n, dosing onditions, on selected
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RESOURCES Primary Care Guidelines for the Management of Persons Infected with HIV:2013 Update by the HIV Medicine Association of the Infectious Disease Society of America. Clinical Infectious Diseases Vol 58, Issue 1, Jan 2014, pages e1-e34. Updated Guidelines for Antiretroviral Postexposure Prophylaxis After Sexual, Injection Drug Use, or Other Nonoccupational Exposure to HIV—United States, 2016. CDC. Published 41/18/16. https://www.cdc.gov/hiv/pdf/programresources/cdc-hiv-npep-guidelines.pdf. Postexposure Prophylaxis for the Prevention of HIV Infection in the United States—2017 Update Clinical Practice Guideline. CDC. Published 2016. #POFPS43

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RESOURCES Laboratory testing for the diagnosis of HIV infection: updated recommendations. Published 6/27/14. https://stacks.cdc.gov/view/cdc/50872. Revised Recommendations for HIV Testing of Adults Adolescents and Pregnant Women in Health Care Settings. MMWR 9/22/2006 55 (rr 14); 1-17.