Sexual Health for Men who have Sex with Men

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Objectives

- Discuss issues contributing to increased STI risk among lesbian, gay, bisexual, transgender (LGBT) community
- Review STI and HIV epidemiology among men who have with men (MSM)
- Discuss guidelines for STI screening and most common STIs among MSM
- Discuss HIV pre-exposure prophylaxis (PrEP)











- Substance use during sex is often associated with HIV and STD in MSM in many countries
- Common drug combinations associated with risk include: meth, cocaine, poppers
- May 个 libido, sensation, sense of invulnerability, but impairs negotiation, associated with 个 risky networks
- \downarrow pain threshold \rightarrow traumatic sex
- For HIV+ pts, SU may decrease medication adherence

(Colfax, Lancet, 2010; van Griensven, J Int AIDS Soc, 2010; Johnston, Int J Drug Pol, 2010; Bautista, STI, 2004; Parry, Drug Alcohol Dep, 2008; Koblin, AIDS, 2006; Cochran, Sub Use Misuse, 2007; Shoptaw, J Sub Abuse Treat, 2008; Mausbach, Drug Alcohol Depend, 2007; Mansergh, PLOS Med, 2010)











Resilience in the Face of Stress? Majority of MSM and other LGBT people are not infected or at increased risk

	No. of Psychosocial Health Problems					
	0	1	2	3 or 4		
	(<i>n</i> = 1,392)	(<i>n</i> = 812)	(<i>n</i> = 341)	(<i>n</i> = 129)		
Recent high risk sex	7%	11%	16%	23%		
HIV prevalence	13%	21%	27%	22%		

All associations have p's < 0.001. All p values are two-tailed. From Stall et al., 2003

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HIV	2.3%	Site setting in a fina fishi		a trode stand	Prevaluese of MSSI Deputing in Disc Behavior Who Theoret Line
HCV	2.2%	IA.	10	Interior (50° Annug 3153	Their Rak of HPT Infection 444-bet High
Syphilis	2.0%	Ya	Τr.	11.0	- 614
GUCT	1.0%	Yes	No.	83	75.6
		201	100	- 575 H	



STI Testing Guidelines for MSM

STD Treatment Guidelines, 2015

The following screening tests should be performed AT LEAST ANNUALLY for sexually active MSM, including those with HIV infection.

- **HIV serology**, if HIV status is unknown or negative and the patient himself or his sex partner(s) has had more than one sex partner since most recent HIV test.
- **Syphilis serology** to establish whether persons with reactive tests have untreated syphilis, have partially treated syphilis, are manifesting a slow serologic response to appropriate prior therapy, or are serofast.





Gonorrhea among MSM

In MSM, 3 sites are commonly infected:

- pharynx, rectum, and urethra
- In a Seattle clinic, the proportion of MSM with pharyngeal gonorrhea was 6.5%, rectal gonorrhea 9.7%, and urethral gonorrhea 5.5% .
- Almost all urethral infections were symptomatic (96%), but most pharyngeal and rectal infections were asymptomatic.
- Most pharyngeal or rectal infections (58%) were not associated with urethral infection
- Treatment: **Ceftriaxone** 250 mg IM in a single dose PLUS **Azithromycin** 1 g orally in a single dose



LGV Diagnosis and Treatment

 Patients presenting with proctocolitis should be tested with rectal NAATs (chlamydia). Additional molecular testing (PCR based genotyping) can be performed.

Criteria used in LGV diagnosis

- Complement fixation titers >1:64 can support diagnosis in the appropriate clinical context.
- Serologic test interpretation for LGV is not standardized.
- Clinical syndrome consistent with proctocolitis should receive presumptive treatment. In addition, if painful perianal ulcers or mucosal ulcers (anoscopy), give presumptive therapy for herpes.
- Treat with doxycycline or erythromycin for 21 days. Evaluate and treat sexual partners within 60 days.



HIV Pre-exposure Prophylaxis

What is pre-exposure prophylaxis?

Use of antiretroviral medications **before** an exposure, to reduce the risk of becoming infected

Tenofovir (TDF) is the most studied agent for PrEP

- Once-daily dosing
- Few drug-drug interactions
- Safe and well tolerated

FDA approved in 2012 USPHS guidelines in 2014

(emtricitabine / tenofovir DF = Truvada)









South		Northeast		Midwest		West	
TX	6.8%	NY	15.9%		5.4%	CA	16.7%
FL	5.7%	MA	5.1%	MN	2.5%	WA	3.5%
GA	3.7%	PA	4.7%	OH	2.1%	AZ	1.8%
DC	3.3%	NJ	2.5%	MO	1.2%	CO	1.5%
NC	1.7% 🗲		0.8%	MI	1.2%	OR	1.2%
MD	1.5%	RI	0.5%	IN	1.0%	NV	0.6%
VA	1.2%	NH	0.2%	WI	0.6%	UT	0.5%
TN	1.0%	ME	0.2%	KS	0.5%	NM	0.4%
LA	0.9%	VT	0.1%	IA	0.3%	HI	0.2%
AL	0.5%			NE	0.2%	ID	0.2%
SC	0.4%			ND	0.1%	MT	0.1%
KY	0.4%			SD	0.0%	WY	0.1%
ОК	0.4%					AK	0.0%
MS	0.3%						
DE	0.3%						
AR	0.2%						
WV	0.1%						





Can PrEP be delivered in NC's HD clinics?

May 2016 - survey of all 85 NC local HDs

- 56 directors (66%) responded
 - 2 prescribing PrEP (now 4-5: Cabarrus, Orange, Surry, Wake ± Durham)
 - 7 externally refer, 11 considering services
- Main barriers among 47 without any services:
 - lack of local PrEP providers, lack of PrEP awareness, perceived lack of PrEP candidates
- · Needs assessment for training/support:
 - Help identifying clients, prescribing & mgm't, outreach and educational materials for clients

Zhang, Rhea, Fleischauer, Hurt, Mobley, Seña, Swygard, McKellar. Unpublished data.











Summary

- The MSM population is diverse and risks will vary greatly.
- MSM similar health concerns as others, but some are at increased risk for STIs because of biological, behavioral, social/structural issues.
- MSM continue to be affected by high rates of gonorrhea, chlamydia syphilis and HIV.
- STD screening should be annual, conduct oral and rectal testing for gonorrhea and chlamydia
- PrEP offer new opportunities to engage at risk persons and providers in STD diagnosis and disease control.

