Extragenital Testing and HIV Risk in MSM

Juval Tomas STD/HIV Clinic Hawaii State Department of Health

Extragenital Testing

- Nucleic Acid Amplification Test (NAAT) is a molecular technique that detects the presence of chlamydia-specific DNA or gonorrhea-specific DNA that is amplified (DDPH, 2018).
- Testing for STIs at any body site other than urogenital site (Roberts, 2015; Hologic, 2018):
 - Male and female urine (Aptima Combo 2 Assay for CT/GC Urine Specimen Collection Kit, Hologic ®)
 - Male urethra and endocervix (Aptima Combo 2 Assay for CT/GC Unisex Swab Specimen Collection Kit, Hologic ®)
 - Vagina (Aptima Combo 2 Assay for CT/GC Vaginal Swab Specimen Collection Kit, Hologic ®)

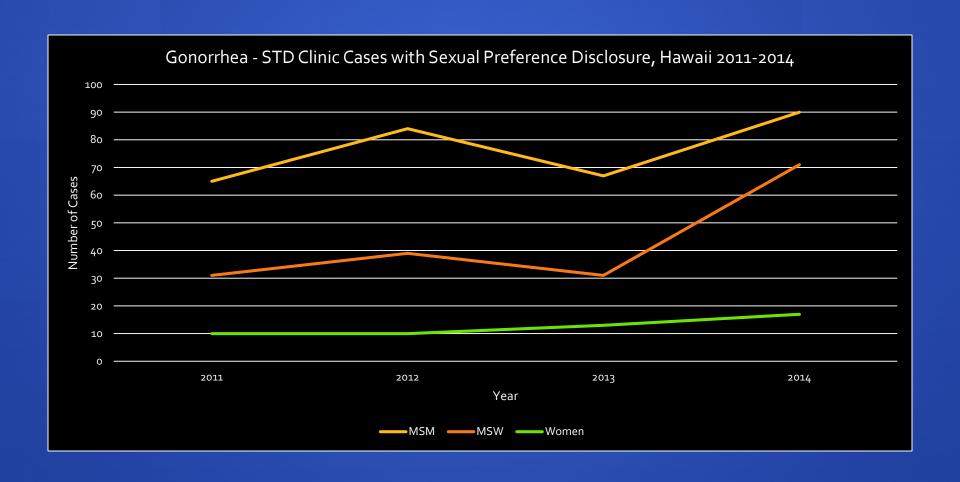
Extragenital Testing

- Usually refers to rectum and oropharynx
- Tests for neisseria gonorrhea (GC) and/or chlamydia trachomatis (CT) only
- Routinely done only for men who have sex with men (MSM)

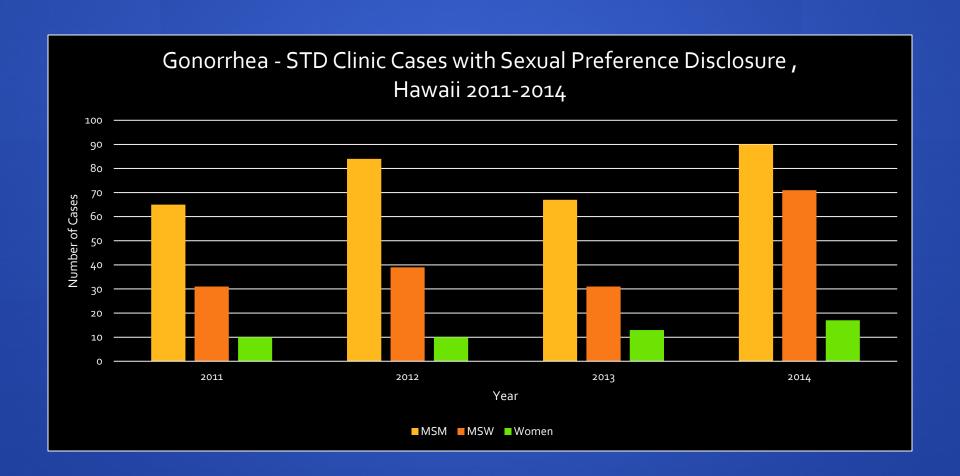
Goals of Extragenital Testing (Bacon, 2017)

- To prevent morbidity
- To reduce transmission
- To identify patients at risk for HIV
- To identify patients who might benefit from PrEP

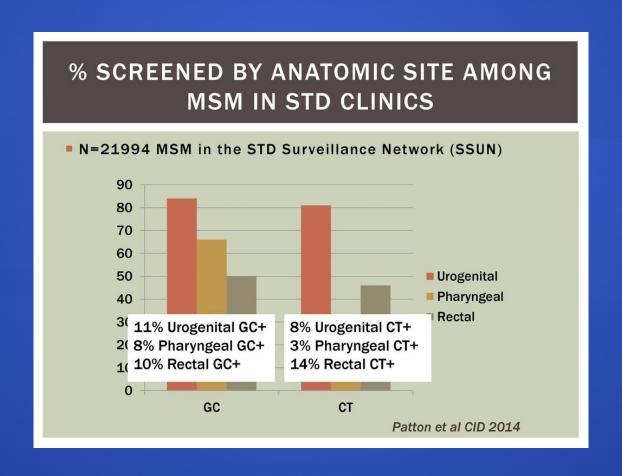
GC, STD Clinic Cases with Sexual Preference Disclosure, Hawaii 2011-2014 (Komeya and Sung, 2016)



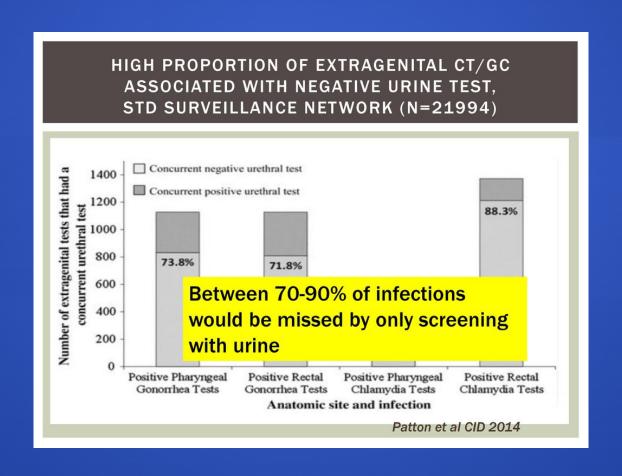
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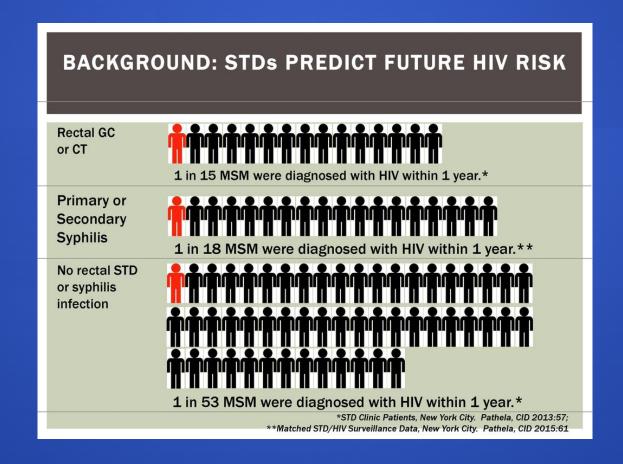
GC and CT Screening by Anatomic Site SSuN, 2011-2012 (Patton, et al, 2014)



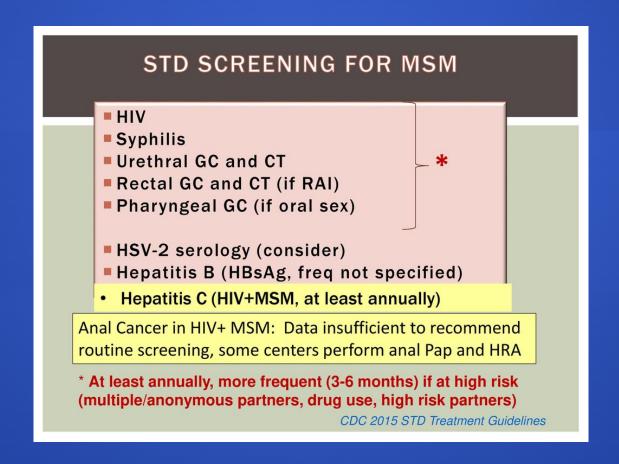
Extragenital GC and CT Associated with Negative Urine Test, SSuN, 2011-2012 (Patton, et al,2014)



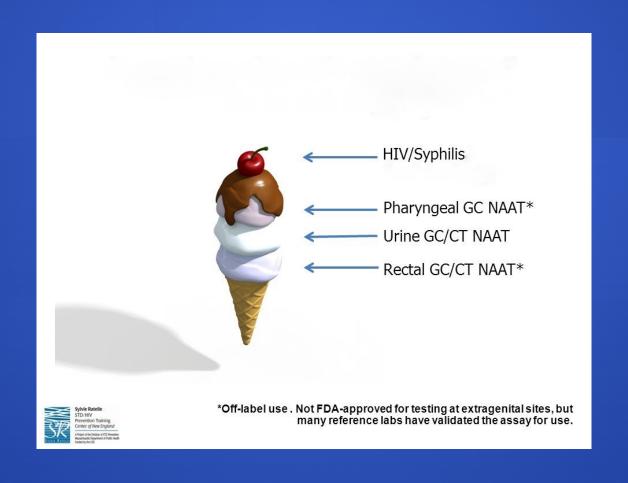
HIV Risk from Extragenital GC and CT (Park, 2016)



Recommended STD Screening for MSM (Park, 2016)



"Triple Dip" (Hsu, 2015)



Barriers to Extragenital Screening

(Barbee, 2015)

- Provider-related
 - Lack of testing and treatment knowledge (25-32%)
 - Lack of time (68%)
 - Discomfort with sexual history taking and genital exam (21%)
- Patient-related
 - Patient reluctance (39%)

Endorsement (CDC, 2015, NASTAD & NCSD, 2017)



MAKE EXTRAGENITAL TESTING A PRIORITY

STD screening of gay men/MSM, specifically of the throat and rectum, needs to improve. This is a **call to action** for health departments and medical providers to normalize 3-site testing.





Food for Thought



Food for Thought (Rompalo, n.d.)

- "If rectal STDs cause HIV, then preventing STDs is good HIV prevention."
- "Even if rectal STDs do not cause HIV, MSM with rectal STDs are at higher risk for HIV."

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Mahalo

- Kat Sung, BS
- Alan Komeya, MPH
- Alan Katz, MD, MPH