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References	
Centers for Disease Control and Prevention (CDC)	
CDC Sexually Transmitted Infections Treatment Guidelines, 2021	
National STD Curriculum (highly recommend)	
Will site if from other source	
National Overview: 2023	
Over 2.4 m illion cases of syphil is, gon or hea, and chiamydia	
20 9,00 cases of syp hills     0. 18 20 cases of congenited syp hills, it eading to 279 s tillb irth a and ne one talf inf and d eaths     Over 600,000 cases of gloran he a     Over 18 0,000 cases of gloran he a	
39 201 new HI V da grosses am ong 13 ylo and old er     81 % m alse sand 6 6% at the buts d to maile to-males se us al c ont act	
38 % Black /f Koon A merican persons     51% washing in 50 what time of dilagnosis     4.466 HI Verilate did with s	
1, 132, 739 persons 1 3 y/o a nd o lide riskin ger ith HIV	
	-
	]
CDC Screening Guidelines	
Gene al STI testing recommendations All sexua lya citye persons 13-64 a nnual HIV testing All sexua lya citye women - 25 yo annual gonorrhea and chlamydia	
Net settle system wither 1-25 yournus gonorme and chargose     With risk factors (new/mailpie partners, exposure to SII, positive SII) >25 y/o     Everyone who is pregnant: syphile, HIVI, hepatitis B&C early in pregnan cy     Repeat if needed later in per gnancy	
Helpest (Heebee start in pis granty)     Hat risk, test for genorm-kes hiamydia     Men who have sex with men a musi. HIV,syphilis, gen orrhea, chlamydia     Every 3-6 mon this film tillip ie or ano nymo us partne s	
very 3-b months is multiple or anonymous partners     Annual HIVI's fances in jection drug equipment     Throat an drectal testing if engage in oral or anal sex	

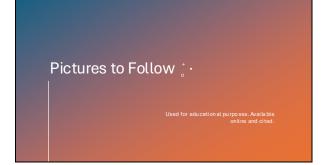
# CDC Screening Guidelines Specific population categories • Women • Pregnant women • Men who have sex with women • Men who have sex with men • Transgender and gender diverse persons • Persons with HIV

### To understand your risk for STIs, I am going to ask you some specific questions Partners • Partners • Areyou currently having sex of any kind? • What is the gen ders of your partners? AMAB? AFAB? Both? • Mynet partners since the last time you were tested for STIs? • What kind of sex do you have? Vaginal (penis in vagina)? Ana (Ipenis in rec tum/anus)? Oral (mouth on penis/As gin a)?

# Risk Assessment: The Five P's To understand your risk for STIs, I am going to ask you some specific questions To understand you'r sik for still plant predictions and provided the prediction of the provided provided provided the provided provided the provided provi

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### Chlamydia (CT)

- Intercellular bacterium similar to gram-negative organism Chlamydia trachomatis
- Oklahoma: 19,104 in 2023
- 25th in US with a rate of 471.3/100,000 population
- Na tional average rate of 492.2
- Most frequently reported baderial infectious disease in US
   Prevalence highest ≤24 y/o
   Transmitted via sexual contact with incubation 7-21 days

### Chlamydia (CT)

- Can lead to pelvic inflam matory disease (PID), ectopic pregnancy, and infertility
- · Clinicalsxs:

  - Dinical six:

    Cervicins, wethirs, procitiis, conjunctivis

    AFAE: Huoppurulentendocervical discharge, endocervical bleding, dysuria, urinaryfrequency

    Vagai-subdominal discomorts, apotting

    AMAB: Dysuria, urefurt discharge (slear, mucoid, mucopusulent)

    Epididymis: scratla plani, peldid ymal swilding, tenderness

    Oropharynges: usually asymptomatic, acute tonsil kis/pharyngkis, dry/purktic thosat

    Recisic usually asymptomatic, procidis with ectal pain, mucoid/hemorrhagic discharge,
    fever, remeriants (prigit to have EM)

### Chlamydia (CT)

### Testing

- o AFAB: vaginal/cervical swabs (optimal) or first-void urine
- o AMAB: first-void urine (optimal) or urethral swab
- o NAATs (nucleic acid amplification test) are most sensitive tests o Vaginal swabs collected by clinician or <u>self-swab</u> o Can perform NAAT in cytology specimens for Pap smears

- Consider rect al (self-swab) and oropharyngeal if receptive anal/oral intercourse

### Chlamydia (CT)

- - o Recommended: Doxycycline 100 mg po 2 times/day for 7 days
  - Alternative: Azithromycin 1g po single dose (pregnancy, allergy, adherence concerns)
    - Levofloxacin 500 mgpo once daily for 7 day
  - $\circ \ \mathsf{Doxycycline} \ \mathsf{more} \ \mathsf{efficacious} \ \mathsf{forrectaVoropharyngeal}$

### Chlamydia (CT) • Follow-up: $_{\odot}$ Abstain from intercourse for 7 days after single-dose or until 7-day regimen + sxs resolve o All sex partners treated if sexual contact within 60 days of sxs on set or CT diagnosis Treat m ost re cent sex partner regardless of timing Consider expedited partner treatment (EPT) o No test of cure n eede d unless pregnancy (4 weeks post-treatment) NAATs at <4 weeks after treatment not recommended d/t presence of nonviable organisms and false-positive results Retest in 3 months after treatment

### Gonorrhea (GC)

- Gram-ne gative bacte rium Ne isseri a go nor rhoe ae
- · Oklah oma: 6,905 in 2023
- 20 th in U S with a rate of 170.3/100,000 p opulation
- Na tion al average rate of 17 9.5
- + 2n d m ost freque ntly reported bac teria l infectio us d isea se i n U S
- Transmitted via sexual contact with incubation 1-14 days
- · Antim icro bi al-resi stanc e
  - Fluoroquin olon es no longer u sed, c eph alosporin s on ly
     Ce fixime effective ness w an ing (n ote this)

### Gonorrhea (GC)

- Can lead to pelvic inflammatory disease (PID), ectopic pregnancy, and infertility

- Asymptomatic infection common
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  Oraviolistic size of all prints of under the under the under under under under the under

### Gonorrhea (GC)

- Testing
  - o AFAB: vaginal/cervical swabs (optimal) or first-void urine
  - o AMAB: first-void urine (optimal) or urethral swab
  - o NAATs (nucleic acid amplification test) are most sensitive tests
  - Vaginal swabs collected by clinician or self-swab
  - NAAT in cytology specimensfor Pap smears not in CDC guidelines
  - Consider rect al (self-swab) and oropharyngeal if receptive anal/oral intercourse
  - o Culture and antimicrobial susceptibility testing if treatment failure

Gonorrhea (	GC)

- Treatment:
  - $_{\odot}$  Recommended: Ceftriaxone 500mg IM single dose (<150kg or ~330lbs)
    - Ceft riaxone 1g IM single dose if >150kg
    - Treat for CT if not excluded
  - o Alternative dueto cephalospor in allergy: Gentamicin 240 mg IM single dose AND Azithromycin 2g po single dose o If ceft nixonenot available/feasible: Cefixime 800 mgpo single dose (do not
  - use with phary rigidal infection)

     Refer to infectious disease if phary rigidal and cephalos porinal lengy

     PCN cross-reactivity rare with third-generation cephalos porins (<1%)

### Gonorrhea (GC)

- Follow-up:
  - o Abstain from intercours e for 7 days after single-dose + sxs resolve
  - All sex partners treated if sexual contact within 60 days of sxs onset or GC diagnosis
    - Treat most recent sex part ner regardless of timing
    - Consider expedited partner treatment (EPT)
  - o No test of cure needed for urogenital/rectal
  - o Test of cure for pharyngeal at 7-14 (recommended) days post treatment
  - o If treatment failure, refer to infectious disease o Retest in 3 months after treatment

### Trichomoniasis (Trich)

- Pro tozoan parasite Trich omo na s vagin al is
- Esti mate d to be most common curable STI world wide
- 2.6 million persons in US (based on population surveys)
- Pre valence is 2.1% of females and 0.5% of males
- Prevalence at STD clinic in Birmingham, AL was 14.6% of women and 9.8% of men
- Pre valence rate same for >24 y/o and <24 y/o
- Transmitted via sexual contact with incubation 5-28 days
- . Fo mite transmission possible (think sex tovs)
- Higher risk for women with BV and lower risk for men who have sex with men

### Trichomoniasis (Trich)

- · Associated with preterm birth, premature rupture of membranes, and infants who are small for gestational age
- · Asymptomatic infection common
- Clinical sxs:
  - o AFAB: Frothy gray or yellow-green vaginal discharge, pruritus, and dyspareunia
  - Cervical punctate hemorrhages or "strawberrycervix" (<5%)

  - AMAB: Usually asymptomatic
     Rarely prostatit is or epididymitis

### Trichomoniasis (Trich)

- - o AFAB: vaginal/cervical swabs (optimal) or first-void urine
  - Immediately viewed wet mount (low sensitivity at 44%-68%)
  - o AMAB: first-void urine (optimal) or urethral swab
    o NAATs (nucleic acid amplification test) are most sensitive tests

  - o Vaginal swabs collected by clinician or self-swab
  - $\circ$  Can perform NAAT in cytology specimens for Pap smears
    - If incidental finding, not considered diagnostic, should be retested
  - $\circ$  Should be performed for women seeking care for vaginal discharge

### Trichomoniasis (Trich) • Treatment: o AFAB: Metronidazole 500mgpo 2 times/day for 7 days o AMAB: Metronidazole 2gpo single dose o Alternative: Tinidazole 2g single dose o Nitroimidazoles only class with clinically demonstrated efficacy o Note: Metronidazole gel DOES NOT reach therapeutic levels o Pregnancy: test and treat with metronidazole Trichomoniasis (Trich) • Follow-up: Abstain from intercours e for 7 days after single-dose or until 7-day regimen + sxs resolve $\circ$ All sex partners treated if sexual contact within 60 days of sxs on set or CT diagnosis Treat most recents ex partner regardless of timing Consider expedited partnert reatment (EPT)

### Urethritis

- Urethralinflammation
- Clinical sxs: dysuria, urethral prurit is, discharge (mucoid, mucopurulent, purulent)
- STI causes: GC/CT/Mgen/trich (rare in men)

 $_{\odot}$  Retest in 3 months after treatment

o If persistent infection, request kit from CDC for drug-resistance testing

- Test and treat for GC/CT
- If suspect nongonococcal urethritis: doxycycline 100mg po 2 times/dayfor 7 days o Alternative: Azithromycin 1g po single dose

### Cervicitis

- Two diagnostic sxs (can have either/both): 1) purulent or muco purulent en doc ervic al exud ate visible in en doc ervical can all and 2) e asily induced by gentle passage of cotton swabthroughce rvical os
- Clin ica l sxs: ab no rmal vagi nal d isch arge and in termen strua lva gina l bleeding, e specially
  after sex
- STI causes: G C/CT/trich/Mgen/HSV
- Assess for PID
- Test for GC/CT/trich, consider Mgen
- If high risk, treat with doxycyc line 100mg po 2 time s/day for 7 days
   Alter native: Azithromycin 1g po single dose
   Consider GCt reatment

### **Proctitis**

- · Inflammation of rectum
- Clinical sxs: anorectal pain, tenesmus, and rectal discharge
- Associated with receptive anal exposure (oral-anal, digital-anal, or genital-anal)
- STI causes: GC/CT/syphilis/HSV
- Should be examined by anos copy if possible
- TestforGC/CT/syphilis/HSV
- Treat acute proctitis for GC/CT
  - If bloody discharge, perianal ulcers, or mucos all ulcers with positive rectal CT, extend treatment to doxycycline to 21 days

### **Epididymitis**

- Ac ute: pain, swelling, and inflammation of epididymis that has lasted < 6 weeks
- Clinical sxs: uni lateral testicular pa in/tenderness, hydro cele, and swelling
- Consider testicular to raion if sudden onset STI causes: GC/CT/Mge n
- Associated with insertive partner during anal sex
- Test for G C/CT
- The at acute epidi dymits most likely due to GC/CT
   Ceftriaxone 500mg I Msingle dose and doxycycline 100mg p o 2 times/da yfor 10 days
   If practice in sertive sex addlesofoxacin 500mg po daily for 10 days for enteric organisms

### Pelvic Inflammatory Disease (PID)

- Inflammatory disorder of upperfemale genital tractincluding endometritis, salpingitis, tubo-ovarian abscess, and pelvic peritonitis
- Commonly caused by GC/CT although trend is decreasing with  $\sim\!50\%$  testing positive
  - $\circ$  Other causes: vaginal flora, BV, trich, Mgen
- May be subtle sxs or asymptomatic
- Diagnosis: Pelvic/lower abdominal pain + one or more of the following on pelvic exam 1) cervical motion tenderness, 2) uterine tenderness, and/or3) adnexal tenderness

### Pelvic Inflammatory Disease (PID)

- Diagnosis: pelvic/lower ab domin al pain + one or more of the following on pelvic e xa m 1) cer vical motion tenderness, 2) uterine tenderness, and/or 3) ad nexal tenderness
- Other c on side ratio ns:

  - O Dal temperature >38.3°C (> 101°F)
    Abnormal c ervical muc opurulent discharge or cervical friability
  - o Presence of abundant numbers of WBCs on salinemicroscopy of vaginal fluid
  - o Elevated erythrocyte sedimentation rate o Elevated C-reactive protein

  - o Positive GC/CT

### Pelvic Inflammatory Disease (PID)

- Treatment: empiric, board-spectrum coverage
- If mild-to-moderate (severe refer to ER for IV therapy):
  - o Ceft riaxone 500mg IMs ingle dose PLUS
  - o Doxycycline 100mg po 2 times/day for 14 days WITH
  - $_{\odot}$  Metronidazole 500 mg po 2 times/day for  $\underline{14 \text{ days}}$
- Follow-up: clinical improvement <72 hours  $\circ$  Refer for hospit alization if no improvement
- If IUD, greatest risk within 3 weeks of insertion
  - $\circ$  Do not need to remove, can treat

### Peshepattis (Fiz.-Hugh-Cutis Syndroms) Intiammas on of Sverdue to CT/GC RUQ pain, n/v, fewr, PID Reactive at rist sa (Reithr's Syndrome) 3-6-week safter ungenital CT C onjunctifs s, usethist s, dijoathrist, skin lesions, balants swith red, ring-shaped lesions Disseminated gonococal infection (DIC) More common in women after mentirution and dusingpregnancy Pesschiat/puttular skin lesions no attemities, agemmatic polyarfird gla, tenosynovitis, oligoaticulurs septic athritis, endocardis s, meningilis Requires hospitalization

### Syphilis

- Systemic disease caused by spirochete bacterium Treponema pallidum
- Oklahoma: 1,121 in 2023
- 6th in US with a rate of 27.7/100,000 population
- National average rate of 15.8
- Transmission when lesions and rash present (usually within first year)
- Transmission during pregnancy via transplacental passage or contact during delivery

## Syphilis - Course Thingstorman - Does on thingstorm

### Syphilis

- Clinical sxs of neurosyphilis, ocular syphilis, and oto syphilis

  - o Severe head ache
    o Musc le wea kness a nd /or trou ble with musc le move ments
  - Orliss to wateriess a mutor trouterwin in scientification in the Stiff neck.

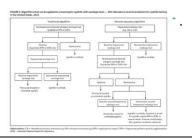
    Changes toyour mental state (trouble focusing, confusion, personality change) and/or dementia (problems with memory, thinking, and/or decision making)

    Eye pain and/or redness

  - Changes in your vision or even blind ness
     Hearing loss

  - o Ringing, buzzing, roaring, or hissing in the ears ("tinnitus")
    o Dizziness or vertigo (feeling like you or your surroundings are moving or spin ning)

### **Syphilis**



### Syphilis

- False positive nontreponemal may be due to HIV, autoimmune conditions, vaccinations, IV druguse, pregnancy, and older age o Confirmation with treponemal test
- Use nontreponemal test antibody titers for disease activity, monitoring treatment response, and reinfection
- Titers usually decrease after treatment (at least by fourfold) and might become nonreactive over time

	Syphilis	_			
	Treatment:  o Primary/secondary:Benzathine penicillin (BCN) G 2.4 milli on units IM single dose  • Alternative: Doxycycline 100mg2 times/day for 14 days				
	Early Ideant BCN2.4 million units M single dose     Late latent or unknown dusation: BCN 2.4 million units M single dose for 3 doses at 1-week intervals     (total 72 million units)     Alternative for latent or unknown duration: Doxycycline 100 mg 2 times/day for 28 days     Terfary reads CSF examination	_			
	Jassch-Hex heimer Reaction     Acuse febrile seaction within first 24 hours aftertreatment     Fever, headache, mysigia     Supportive care and and pyretics				
		_			
I	Syphilis	_			
	Follow-up:     Abstain from intercourse for 7 days after treatment completion and lesions have resolved	_			
	All sex partner streated if sexual contact within 90 days of diagnosis     If sexual contact >90 days, testor treat if testing not possible     Retest in 6 and 12 months after treatment     24 months if latent and unknown duration	_			
	Contact Oklahoma Health Department Disease Intervention Services for guidance	_			
		_			
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Human Immunodeficiency Virus (HIV)

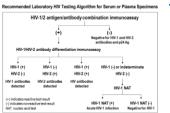
Retrovirus that infects CD4+Tlymphocytes
 Oklahoma: 380 new HIV infections in 2022
 Rate of 11.4/100,000 population

### Human Immunodeficiency Virus (HIV)

- Acute sxs: fever, malaise, lymphadenopathy, pharyngitis, art hritis, skin rash  $\circ$  Can be asymptomatic
  - $_{\odot}$  Highly infectious
- Chronic depletes CD4+ Tlymphocytes
- o Cantake years-decade
- Untreated HIV leads to symptomatic, life-threatening immunodeficiency or acquired immunodeficiency syndrome (AIDS)

### Human Immunodeficiency

Virus (HIV)



### Human Immunodeficiency Virus (HIV)

- Antigen/antibody tests: detect in 18-45 days after exposure

   Fingerstick: 18-90 days
- Antibody tests: detect in 23-90 days after exposure
- NATs (RNA): detect in 10-33 days after exposure

	deficiency Vin	`
Refer for treatme	ent to HIV clinical care provi	der
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HIVISON	Any line itseth Tiem.	is afficience with DECourse
Home About Guidelines Drug-Distatione Glossary No.	nes Resources Contactités	Language (EN)
HOME GUIDELINES HIV CLINICAL GUIDELINES; ABULT AND AD-	DUBSCENT ARY Special Populations Carty (Acute and Recent) HTV	refection
Guidelines for the Use of and Adolescents With H		n Adults
The information in the brief version is excerpted compilation of the tables and boxed recommen		l version is a

# PrEP: Pre-Exposure R cphylaxis • Medication to prevent HIV • Daily oral or long-acting inject ables • Can reduce r isk from sex by 99% and by 74% if from IV drug use (hivgov) PEP: Prost-Exposure R cphylaxis • 28-day course of cral HIV medications • Start as soon as possible and up to 72 hours • Can reduce r isk by more than 80% (hivinfo.nih.gov)

# Perpes Simplex Virus (HSV) Chronic lifelong viral infection: HSV-1 and HSV-2 Genital herpes cause by HSV prevalence unknown HSV-1 has replaced HSV-2 as leading cause of first-episode genital herpes Likely sever al million prevalent genital HSV-1 infections In 2018, 572,000 per sons 18-48-90 vinewly acquired HSV-2 infections with an estimated 18.6 million persons living with HSV-2 Data from National Health and Nutrition Examination Survey (NHANES)

### Herpes Simplex Virus (HSV) Clinical sxs: o Pa inful we sicular or ulcerative lesions, dysuria, itch in g, va gin al/urethral d isc harge, ten der ade nop athy o Prima rv outbreak most severe o Lesi on s la st 2-3 weeks with out treatment o Sexual contact or subclinical viral shedding Cycles between latent infection and reactivation • Viral shedding more frequent the first year of infection then decreases over time · Recurrences and viral shedding more common with HSV-2

### Herpes Simplex Virus (HSV)

- Testing:

  O type-go circle virsing gist testing is to min a soin writh NAAT gis to terred ) or cut use

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  Had/ I may be so as the date on acquire claim that the base of the olders and in the control of the olders and the ole

### Herpes Simplex Virus (HSV)

- Tre atment:

  - Antiviral medication
     Acyclovir
     Valacyclovir (better absorption, less frequent dosing)
  - Valacyclovir better absorption, less frequent dosi
    Famciclovir (less effective for viral shedding)
    I Initial outbreak for 7-10 days
    Long-term therapy for episodic treatment for 1-5 days
    Cong-term therapy with dailysu ppressive treatment
    Reduces recurrences by 70%-80%
    Valacyclovir has one de daily do sing
    To pical not recommend ed

### Human Papillomavirus (HPV)

- -150 types dHPV travebenident fied
   o 30 infect; pint dia as a
   o 30 infect; pint dia as a
   o Most sell-imited and asymptomatic
   o High-risk-on-caganic HPV(eg., types 16.18) cause most carvical, penile, vulvar, veginal, and, and oropharyngesi cancers.
- oncers
  Othertypes (e.g., 6/11) causegent id warts
  FPV per dence unknown
  Othertypes (e.g., 6/11) causegent id warts
  FPV per dence unknown
  Other in factions are dinical silent and will recolve on the irown
  Other in factions are dinical silent and will recolve on the irown
  Other in the individual silent individual silent in the individual silent individual silent in the individual silent individual sile
- Estimate d34800 new HPV-attributable cancers per vear 201 220 16
- Trans mission through skin-to-skin contact

### Human Papillomavirus (HPV)

- Prevention with HPV vaccines
  - $_{\odot}$  9-valent vaccine (Gardasil) prevents types 6, 11, 16, 18, 31, 33, 45, 52, and 58
    - Types 16/18 66% of all cervical cancers

    - 5 additional types for another 15%
       Types 6/11 >90% of genital warts
       Recommend routine HPV vaccination for all adolescents at 11 or 12 y/o
    - $\blacksquare$  Catch until 26 y/o and clinical decision-making for 27-45 y/o
    - 2 doses if > 15 y /o and 3 doses < 15 y/o</li>

### Human Papillomavirus (HPV)

- ASCC PApp for cervical cancer guidelines and recommendations
- USPSTF screening guidelines:

  Paponly 21-29 y/o every 3 years

  Pap+ HPV 30-64 y/o every 5 years

  Do NOT screen younger than 21 y/o



ı	Human Papillomavirus (HPV)			
	Types of an ogenital warts:			
	hyp erpigmented) o Smooth papules (do me-sha ped an d skin-colored) o Flat papules (macular or slightly raised, skin-colored, sm ooth surfa ce)			
	Ke ratoti c warts (resem ble common warts)     Treatment:			
	<ul> <li>Pa tien t-ap plie d: Imiqui mod cre am, p odo filox solu tion /ge l, sinec atech in s ointme nt</li> <li>Provid er-ad min istere d: tri chloro ace tic (TCA)/bi chloro ace tic (BCA) ac id, cryoth erapy, surgi cal rem oval</li> </ul>			
		1		
		1		
	Hepatitis B and C			
	Hepatitis B: Soreen all adults > 18 y/o at least once in their lifetime with triple panel test Hepatitis C: Soreen all adults > 18 y/o at least once in their lifetime			
		j	_	
		1		
	Trends: Mycoplasma Genitalium (Mgen)			
	nends. Tycoptasma o emadam (Tigen)			
	Member of Mollicute Class of bacteria			
	Prevalence lower than CT but higher than GC     Data from National Health and Nutrition Examination Survey (NHANES)			
	Transmission through sexual contact Cinical sxs:  A STAN periodic localistic production of the standard standa			
	<ul> <li>AFAB: vagʻinitis/cervicitis, urethritis/dysuria, PID</li> <li>AMAB: urethritis/dysuria</li> </ul>			

	7
Torondo Maranda como Osmitaliano (Maran)	
Trends: Mycoplasma Genitalium (Mgen)	
Testing:  NAAT for Mgen	
<ul> <li>AFAB: endocervical and vaginal swab</li> <li>AMAB: urine and urethral swab</li> </ul>	
<ul> <li>Test men with recurrent uret hritis</li> <li>Test women with recurrent cervicitis and consider with PID</li> </ul>	
o Screening of asymptomatic is NOT recommended	
	_
Trends: Mycoplasma Genitalium (Mgen)	
Treatment:	
<ul> <li>Limited available antimicrobials available to treat (no rigid cell wall)</li> <li>If resistance testing is NOT available</li> </ul>	
<ul> <li>Doxycycline 100mgpo 2 times/day for 7 days FOLLOWED BY</li> <li>Moxifloxacin 400mgpo once daily for 7 days</li> </ul>	
• Follow up:	
<ul> <li>Test of cure not recommended</li> <li>Test partner sif symptomatic, can treat partners if testing not possible</li> </ul>	
	7
Torondo Maranda con Osmitaliano (Maran)	
Trends: Mycoplasma Genitalium (Mgen)	
<ul> <li>Ureaplasma urealyticum and Ureaplasma parvum is a subclass</li> <li>Not enough evidence to linkwith diseases yndromes</li> </ul>	
o Per UpToDate: does not cause vaginitis o Partof normal genital flora	
Has been linked to complications in pregnancy     Treatment per UpToDate: doxycycline 100mg po 2 times/dayfor 14 days	
po. oproduci dayoyanio loung po _ anodady ioi 14 dayo	

### Trends: Is Bacterial Vaginosis a STI?

- Vaginal infection when normal Lactobacil lus is replaced with anaerobic bacteria, G. vaginalis and other species
- Associated with multiple sexpartners, female partners, new sexpartner, lack of condom use, douching, menses
- Protective factors: condom use, circumcised male partners, oral contraceptives
- Diagnosi swith Am sel criteria (requires 3 out of 4):

  - Jagios a with Am selectricin (equires) out of 4).

    Homogeneous, thin dehales quilet-like consistency) that smoothly costs the vaginal walls

    Clue colls leg, waginal epithelial calls studded with adherent bacteriaj on microscopic examination

    p H of vaginal fluid > 4.5

    A flishy oddord vaginal discharge before orafler addition of 10% KOH (i.e., the whiff test)

Trends	I٥	Bacterial	Vagin	oeie	a	STI2
nenus.	15	Dacterial	vagiii	0515	a	SIII

### • Treatment:

- o Metronidazole 500 mg po 2 times/day for 7 days
- o Metronidazole gel 0.75% intravaginally once daily for 5 days
- Treatment in men?
  - o Penile flora may harbor BV causing bacterial species
  - Study found that recurrence rate of 35% if both partners were treated vs 63% recurrence rate if only female treated
  - o Twice daily 400mg po metronidazole + 2% topical clindamycin applied to penisglans and upper shaft for 7 days o Vodstrcil, LA et al. N Engl J Med. 2025

### Trends: Expedited Partner Therapy (EPT)

- EPT permissible in OK as of 11/1/2024
- "[A] health care provider who clinically diagnosed a patient with a sexually transmitted infection may provide expedited partner therapy if, in the professional judgment of the health care provider, the patient's sexual partner is unlikely or unable to present for examination, testing, and treatment."

### Trends: Doxy-PEP

- CDC sites 3 large randomized controlled trails among men who have sex with men (MSM) and transgender women (TGW) that demonstrated significant reduction in risk of bacterial STIs (CT/GC/syphilis)
- Counsel with at risk populations: gay, bis exual, and other MSM and TGW with his tory of at least one bacterial STI in past 12 months
   Use shared-decision making with other at risk populations
- Doxycycline 200mg po once within 72 hours of condomless sex

### Innovative Practices

- POCT CT/GC/trich: Results in ~30 minutes
- POCT HIV/syphilis: Results in 15-25 minutes
- $\bullet \ \, {\sf Oklahoma\, Health\, Department\, Rapid\, Start\, Program\, for\, HIV}$
- Oklahoma PEP/PrEP Hotline
- Centralized follow-up
- Others?

### **Mandated Reporting**

• Do not forget to report!



Questions?	