

Speaker Disclosure

• Nothing to disclose

Learning Objectives

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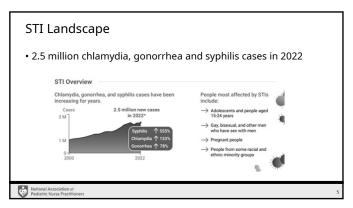
- List unusual presenting symptoms for sexually transmitted infections.
- Identify changes in the most recent 2021 CDC testing and treatment guidelines.
- Define appropriate test-of-cure and test of reinfection guidelines for reviewed STIs.

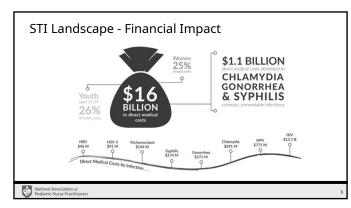
Outline

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- Definitions
- STI Landscape
- Why talk about youth?
- Social context
- Definitions
- Cases

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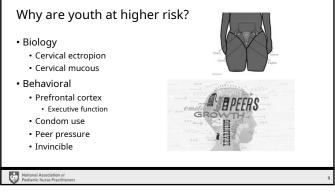


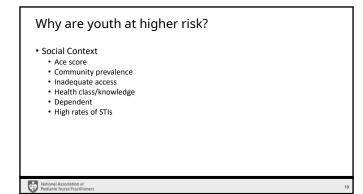


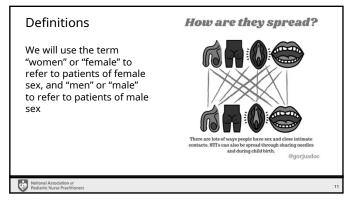
Why talk about youth? • ½ of ALL new STI infections in youth • Condom use declining • 60% in 2011 → 52% in 2021 • Testing rates declining • 20% of new HIV diagnoses

Why talk about youth?

• Substance use linked to STI infection
• Substance use before sex
• Early age of sex
• 30% of HS students ever had sex
• 6% of HS student > 4 lifetime partners









Case study -Evan

13 yo M with PMH of asthma presents to your clinic complaining of penile bump.



Case study - Evan

- PRN albuterol, NKDA
- Fhx/Surgical hx: non-contributory
- \bullet Social: Lives with both parents, younger brother, 2 cats. 10^{th} grade at local high school.
- Additional history: Denies dysuria, pain, penile discharge, rash. Denies ever having sex. Completed HPV vaccine series.
- Exam: Tanner stage IV, testes without lumps/bumps, no visible changes on penile shaft/glans, no pearly penile papules, no vesicles/ulcerations, no papules/warts, no inguinal LAD

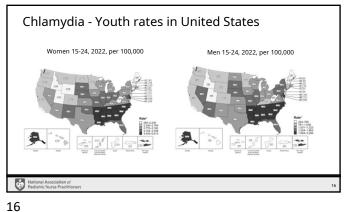
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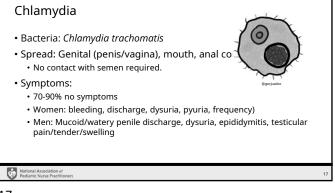
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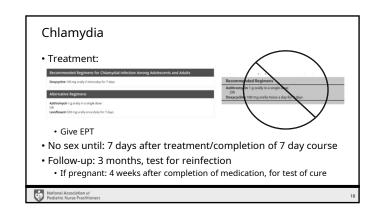
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Case study - Evan Labs • Urine GC/CT testing







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Concerns near genital site, even with negative HPI Consider in early teen years

Chlamydia treatment now Doxy 100mg BID

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Case Study – Jenn

• 17 yo F presents to clinic c/o rash on legs.

• Medications: No medications

• Allergies: NKDA

 Additional history: Denies PMH eczema, nodules in vaginal area. Denies new lotions, soaps, detergents, razors, hair removal.
 Denies new vaginal hygiene products. Denies dysuria, vaginal bleeding. Reports in vaginal feels "really sweaty or something" because always wet.

• Exam: diffuse patches on upper legs/inguinal area, hyperpigmented, with white, dried discharge on upper legs, no fissures, no pitting, no nodules, no vesicles, no erythema



Case Study - Jenn

Labs

• Wet mount of vaginal swab



- Whiff test

- Motile or non-motile trichomonas



• Swab GC/CT okay too



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Trichomoniasis

• Protozoa parasite: Trichomonas vaginalis

• Spread: vagina to vagina, vagina to penis

• Symptoms:

• 70% no symptoms

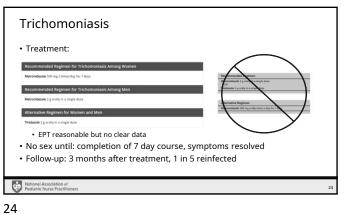
• Genital itching/burning, irritation, redness/soreness

• Discomfort or burning while peeing

• Women: increased, thin discharge with fishy smell (white/gray or yellow/green) strawberry cervix

• Men: burning after ejaculation, penile discharge

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@gorjusdoo

Take Home

Upper leg rash legs can be STI rash Discharge can feel like dampness/wetness

F trichomonas treatment now Metronidazole x 7 days

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Case Study – Olive

 16 yo F presents to clinic alone c/o recurrent sore throat. Mom is at work but available on the phones. Onset a few days ago, no other viral symptoms. Has been recurrent for almost a year. Multiple negative strep tests, and ENT referral is pending.



Cast Study - Olive

- PMH depression
- Medications: Zoloft
- NKDA
- Additional history: no fever, no increased drooling, no rash, + headache, + sexarche with at least one person but pt declines to discuss further, last urinary STI testing 6 months ago normal/negative
- Physical exam: tonsils 2+ bilaterally, mildly erythematous, no ulcerations, no exudate, no petechiae, no cobblestoning, nares without nasal drainage and not boggy, R NT tonsillar LAD

National Association of Pediatric Nurse Practitioner Case Study - Olive

Labs

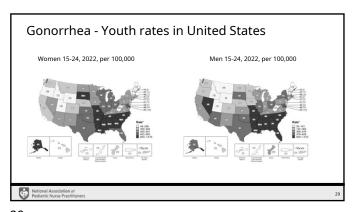
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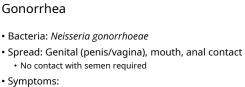
- Rapid strep
- Throat culture
- Oropharyngeal GC/CT
- Urine GC/CT

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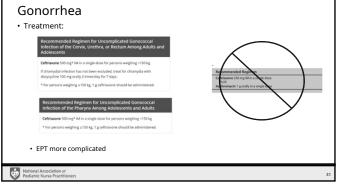
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- Dysuria
- Rectal: bleeding, painful BMs, itching, soreness
- Women: increased vaginal discharge, vaginal bleeding
- Men: green/yellow penile discharge and testicular pain/swelling

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Gonorrhea

- No sex until: 7 days after treatment, symptoms resolved
- - 7-14 days after treatment for repeat oropharyngeal swab
 - NAAT if positive, obtain culture to direct treatment
 - Culture if positive, retreat
 - 3 months after treatment

Take Home

Sore throat, especially recurrent, may be STI Oropharyngeal Gonorrhea requires test of cure Gonorrhea treatment now 500mg Ceftriaxone IM (1g if weight > 150 kg), may be two needles



Case Study – Nevaeh

• 16 year old female presents to clinic in a wheelchair, she is accompanied by Mother. She is c/o right knee pain x2 -3 days, swollen, unprovoked, no known injury



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Case Study - Nevaeh

- Medication: Albuterol prn wheezing, Hydrocortisone 2.5% ointment for eczema flare up, oral contraception for dysmenorrhea, Ibuprofen prn
- NKDA
- • As you obtain a history.....PMH: Eczema, Mild Intermittent asthma, FH: Mom – Arthritis and HTN, MGM – HTN, T2DM
- \bullet Confidential: SA with 1 new male partner, sexarche 15< 3 lifetime partners, Hx of Chlamydia 8 months ago, negative sti screen 2 months ago.
- Exam: R knee swelling and limited ROM, no erythema/warmth, pustule on R wrist



Case Study - Olive

Labs:

- ANA titer
- CBC
- ESR
- Urine GC/CT

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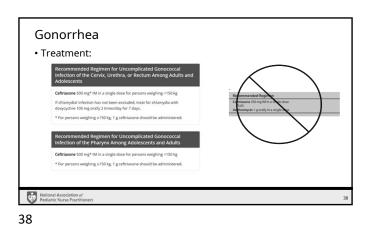
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Case Study - Olive

- \bullet Schedule F/U 2 days for appointment with sports medicine doctor
- \bullet Next day lab results: call Mom, she shares with you patient is in ER for fever
- 2nd day, returns to clinic for f/u, fever, HA she is ill appearing, sent to ER, and admitted for Meningitis



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Case Study – Joe

• 19-year-old male presents to clinic for c/o mouth sores x 3-4 days, denies fever, no sore throat



Case Study - Joe

- Denies any other concerns, No PMH, No medications.
- College student 2nd year
- Social Hx: SA w/ male partners, use condoms most of the time, Sexarche: 17, 2 lifetime partners, no hx of STIs, ETOH and marijuana, 1-2/week
- \bullet Physical exam: 2-3 oral lesions oral mucosa, translucent, round, painless lesions, no exudate, no erythema noted

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