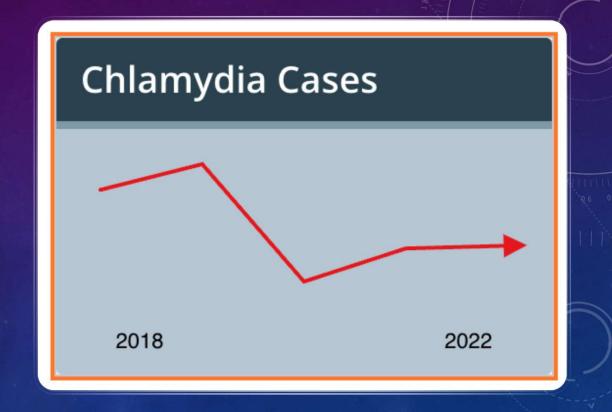


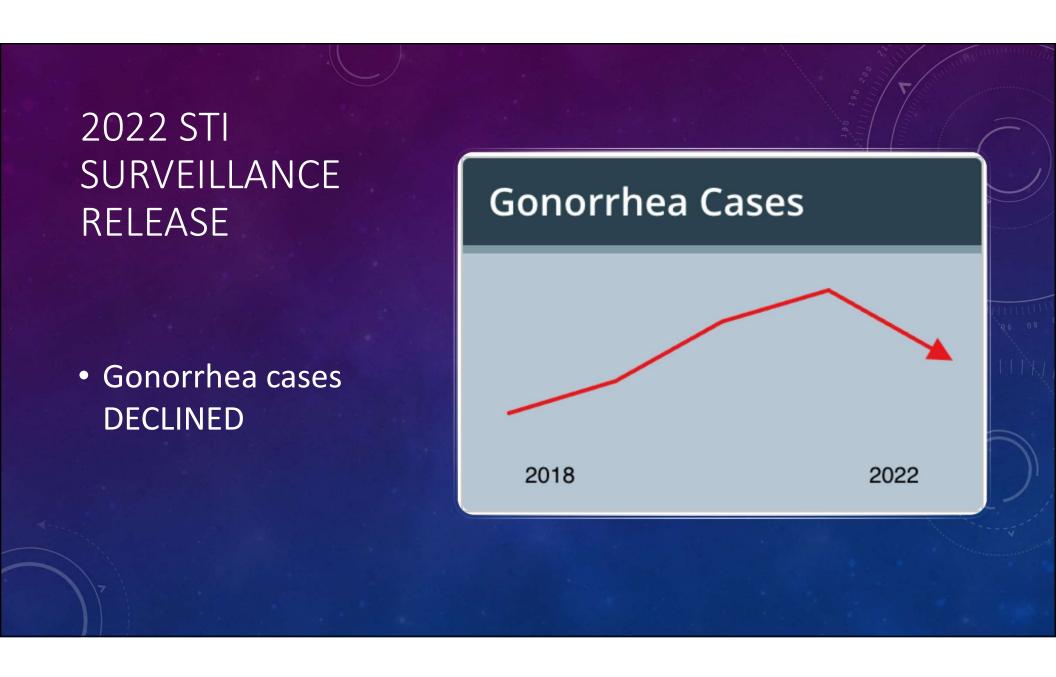
OBJECTIVES

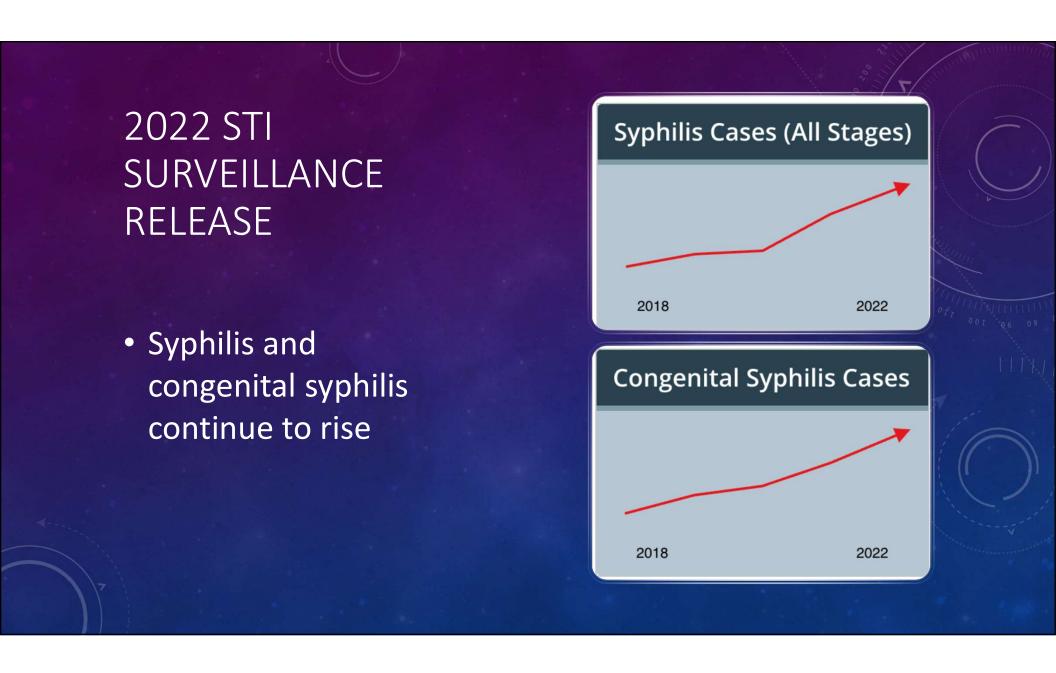
- Identify the population of patients that should be screened for sexually transmitted infections.
- Discuss how to perform tailored physical exams to identify and test for sexually transmitted infections.
- Describe how to produce accurate treatment plans for persons with sexually transmitted infections.

2022 STI SURVEILLANCE RELEASE

- January 30,2024
- Highlights:
 - Between 2021-2022, chlamydia cases reporting leveled







UNCHANGED TRENDS

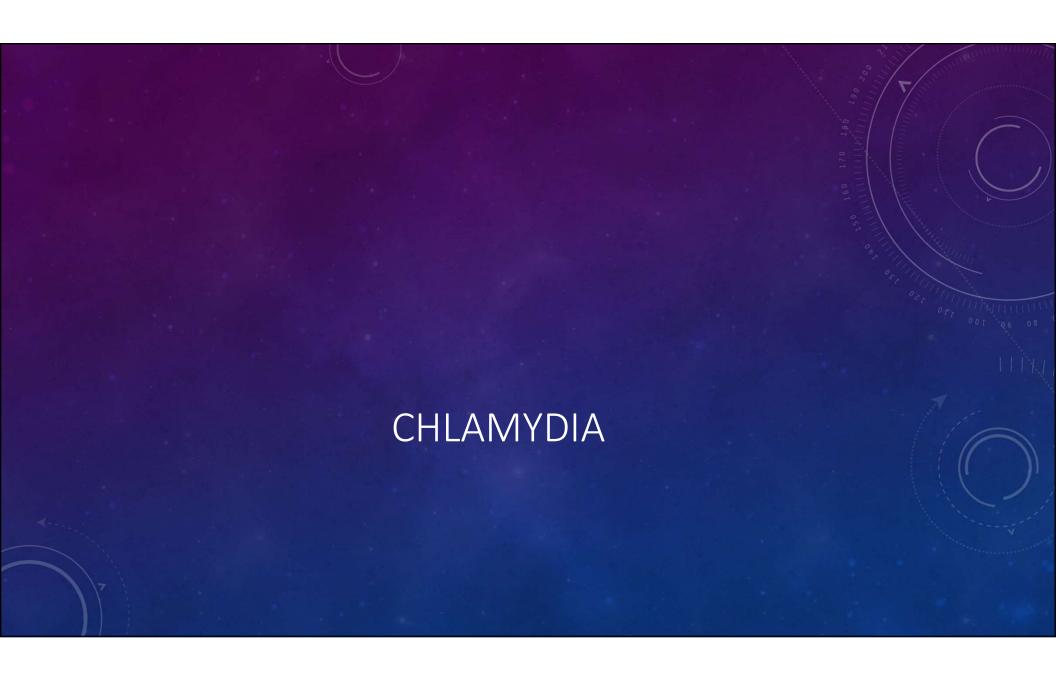
- The majority of STIs (chlamydia and trichomonas in particular) continue to be asymptomatic infections.
 - Screening practices are exceptionally important.
- The majority of STIs occur in those < 25 years of age.
 - Education and prevention must start early
- Sex happens.
- A lot.

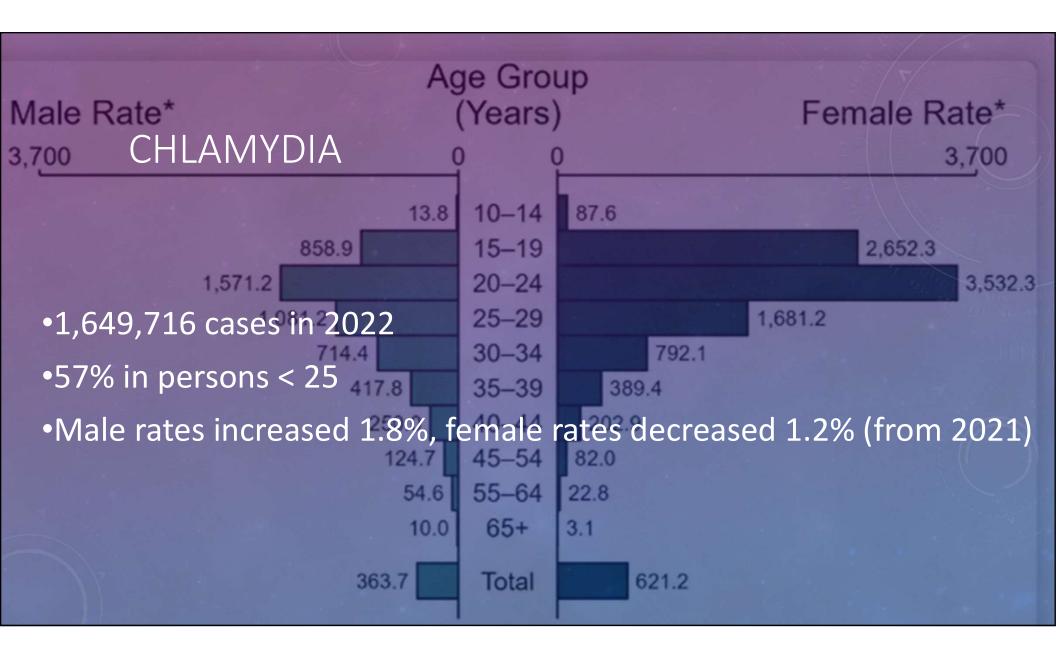
DISPARITIES

- Black/AA persons make up 12.1% of population, but incurred 31.1% of chlamydia/gonorrhea/P&S syphilis cases
 - Not due to different sexual behaviors than other ethnicities, due to lack of access to healthcare
- MSM incur disproportionate numbers of STI cases, more likely to be co-infected with HIV.

DIXON ET AL, 2024

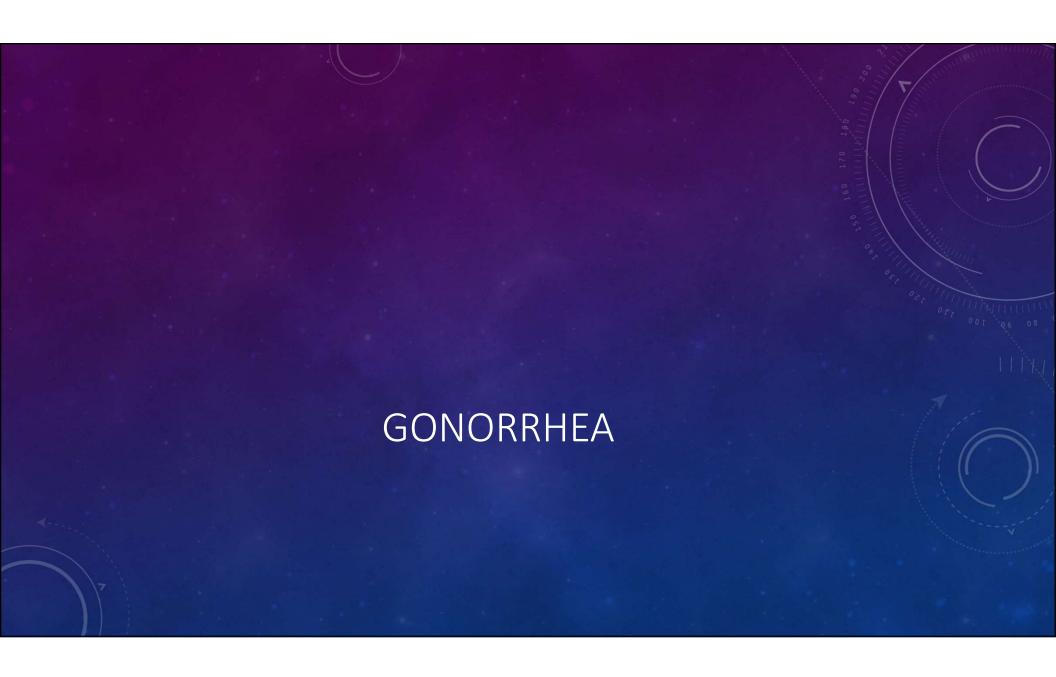
- Between 2016-2020, 52,946 people diagnosed with chlamydia and 25,699 people were diagnosed with gonorrhea in Indianapolis
- Chlamydia: 19% public, 81% public, Gonorrhea: 24% public, 76% private
- Untreated chlamydia: 18% total, 6% public, 20% private, however treatment was guideline driven in both setting
- Untreated gonorrhea: 26% total, 5% public, 33% private, however
 21% of private cases were not treated using guidelines
- Analysis: Public providers of STI care are completing more treatment using guideline suggested methods.





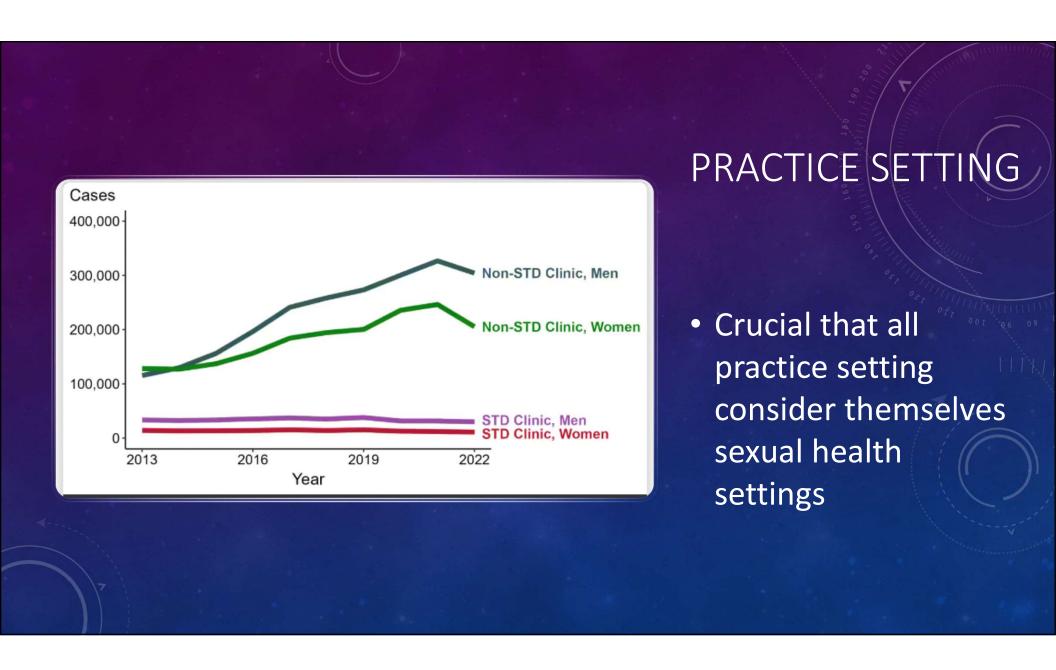
CHLAMYDIA TAKEAWAYS

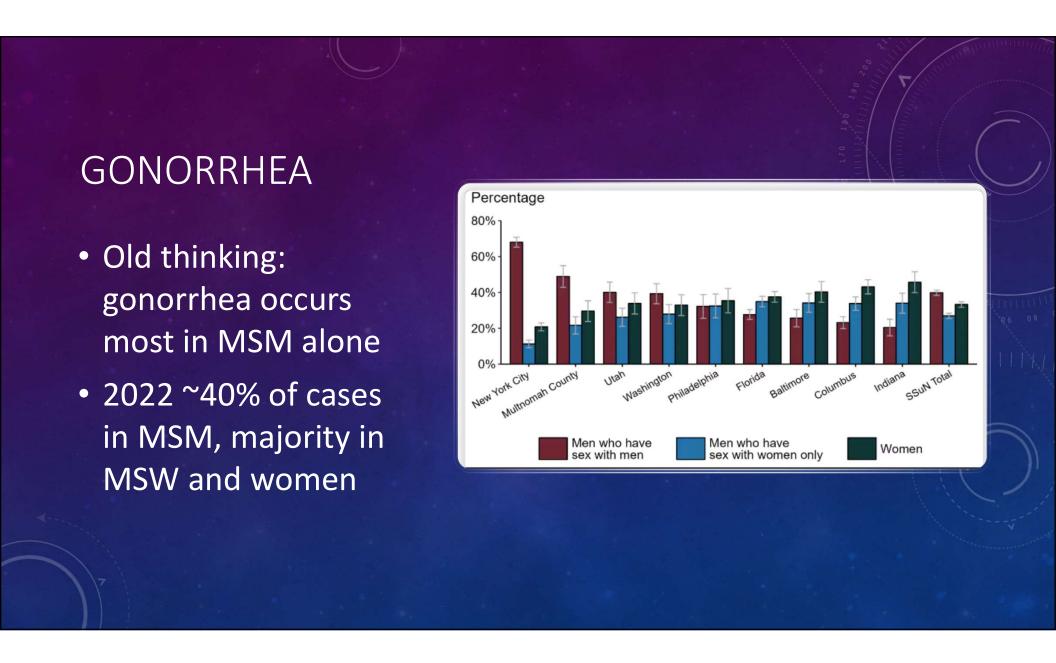
- Chlamydia is best discovered using universal screening techniques
- Screening occurs more in women; thus, more cases are detected in women. True prevalence in men is unknown.
- No evidence that the switch to doxycycline decreased treatment completion rates.*
- SCREEN!

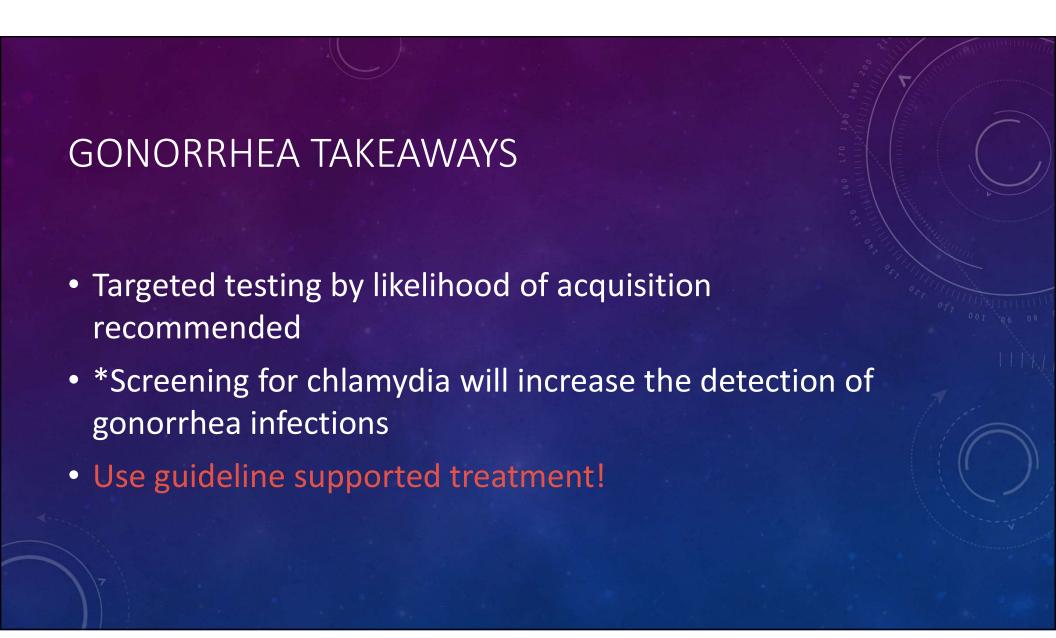


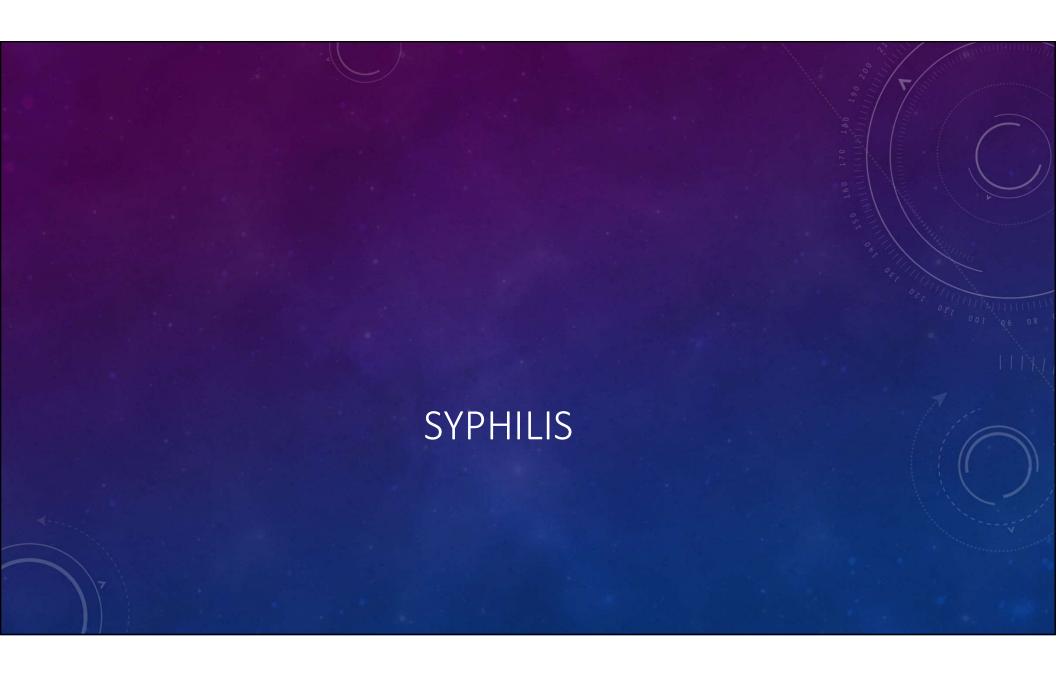
GONORRHEA

- 648,056 national cases
- 9.2% decrease from 2021
 - Women & men, across races/ethnicities, all age groups
 - Largest decreases seen in women (14.5%), women aged 20-24 (18.1%) and women tested in a non-STI specific setting (16.7%)
- Practice setting, patient population and geographic location matter! (next slides)



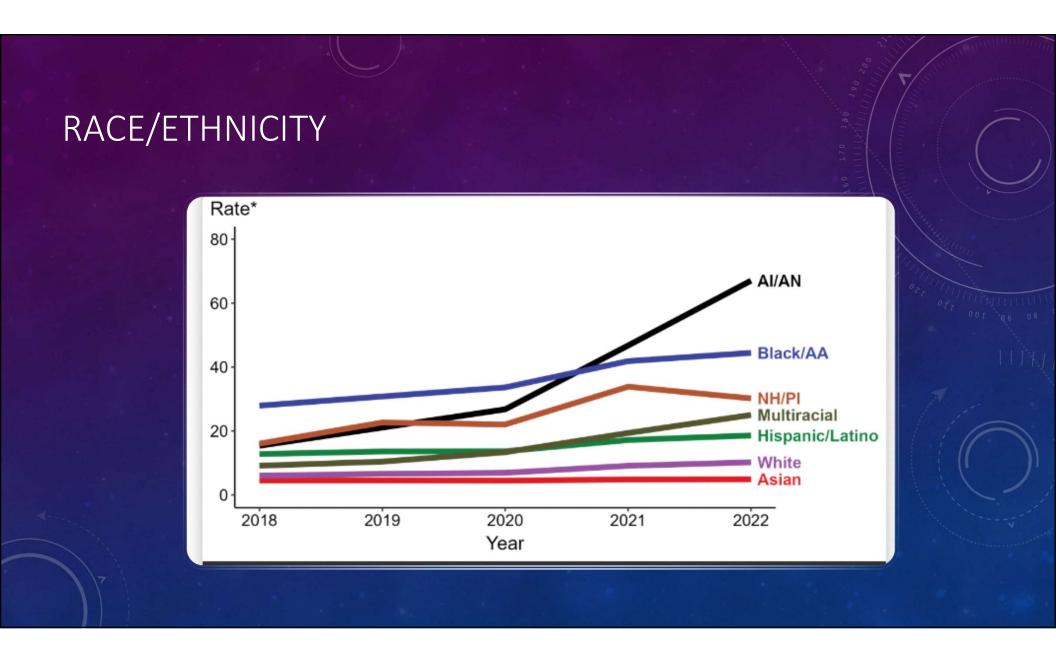


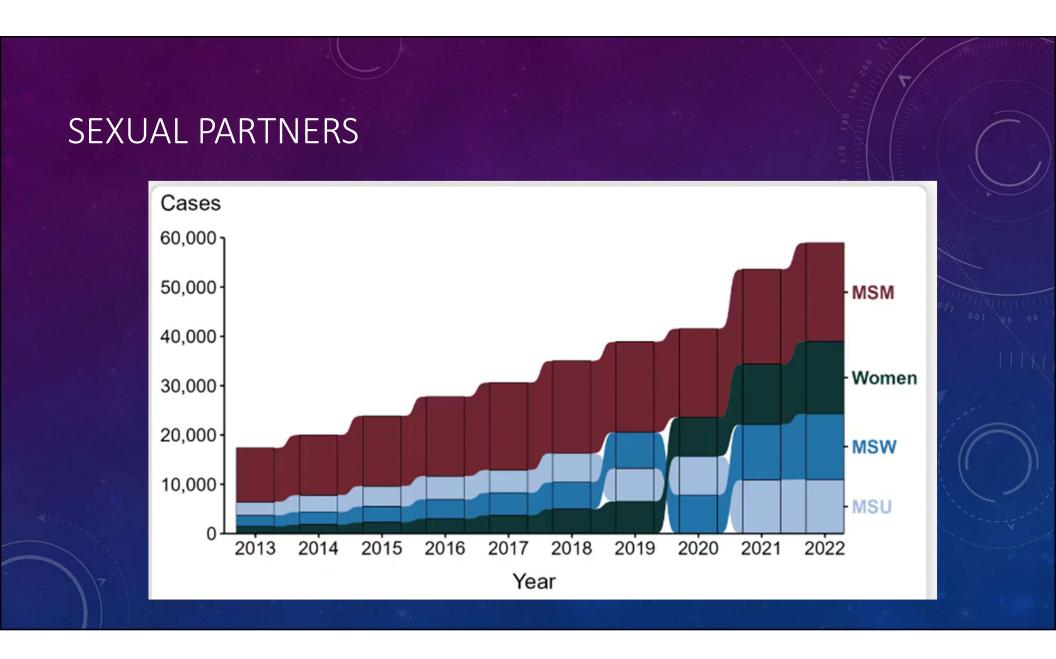




SYPHILIS

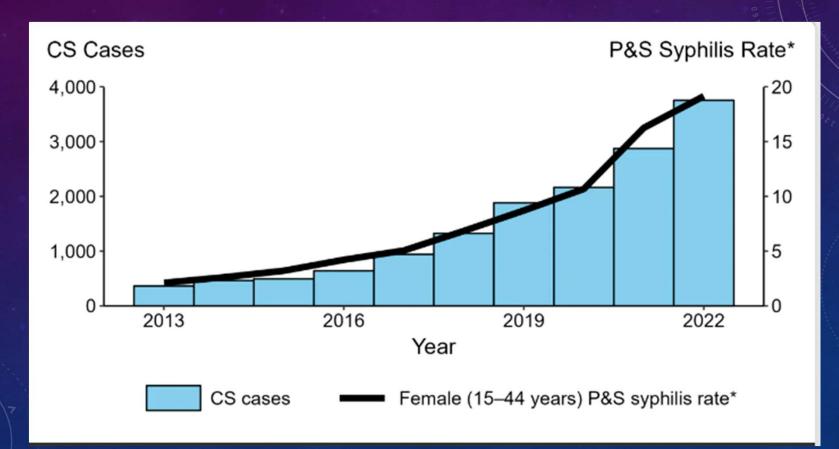
- 207,255 national cases
 - Most cases since 1950 and increase of 17.1% since 2021
- 59,016 cases of primary/secondary syphilis (most contagious phases)
- Increased among women & men and within all race/ethnicity groups, but most in American Indian/Native Alaskans

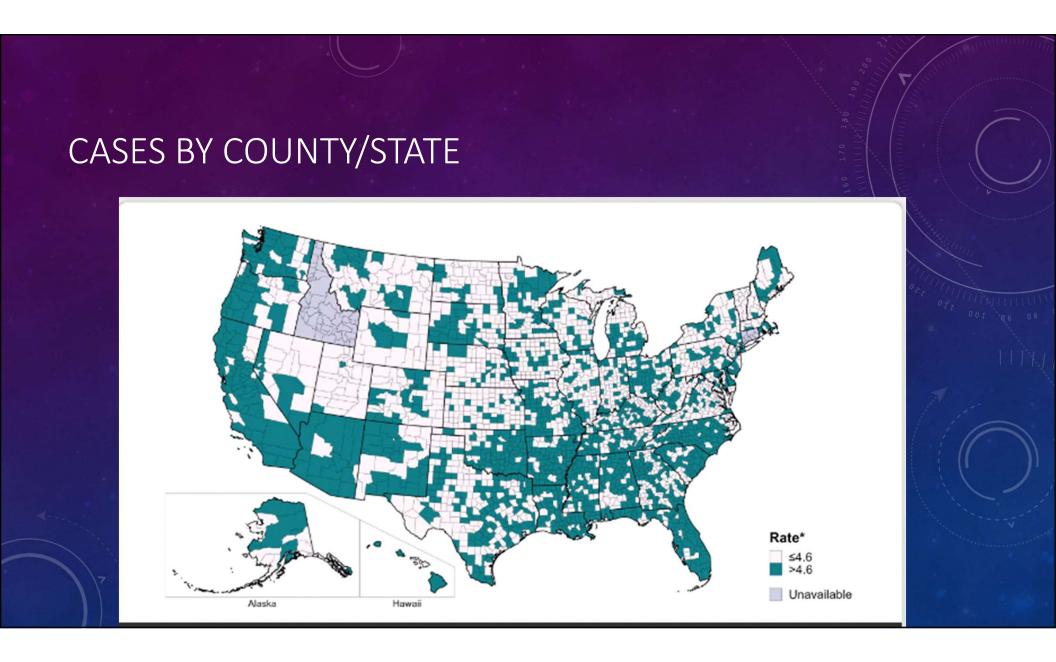






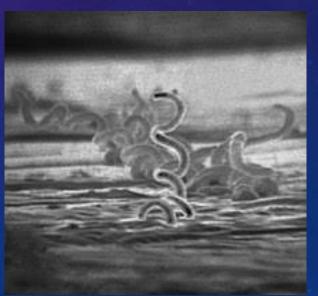






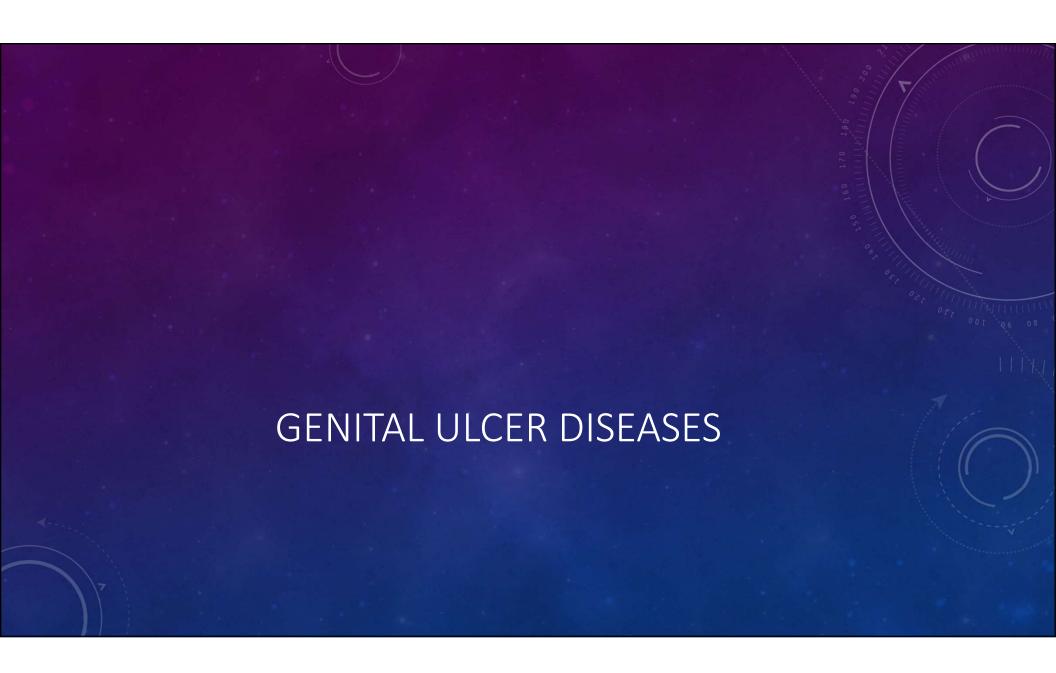
PREGNANT PERSONS AND SYPHILIS

- 2021: Retest for syphilis at 28 weeks and again at delivery if high syphilis prevalence rates or risk
 - Drug use
 - Another STI during pregnancy
 - Multiple sex partners
 - New sex partner
 - Sex partner with STI



SYPHILIS TAKEAWAYS

- Syphilis testing should be included in most persons seeking STI testing and offered to those receiving routine health care maintenance.
- Bicillin (long-acting penicillin-G) shortage remains an issue
 - Pfizer the only manufacturer
 - 2 ml and 4 ml syringes available in limited supply, 1 ml syringes expected February 2025

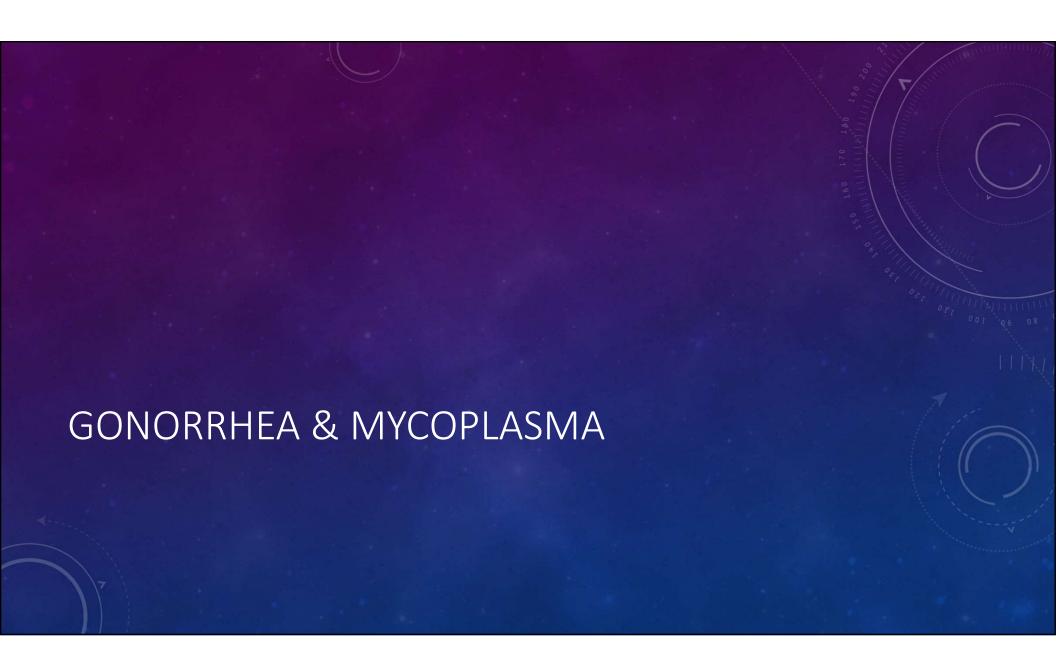


HERPES

- Shifting epidemiology worldwide:
 - HSV 1 now the predominant strain causing genital herpes, particularly in women < 30
 - HSV 1 recurs less in the genitals, HSV 2 recurs less in the oropharynx
- Testing issues persist:
 - No recommendation to screen using serology
 - PCR testing of lesion within 48 hours of development most sensitive/specific
 - Available, but not widely

HERPES IN PREGNANCY

- Women should not be screened in pregnancy using HSV serologies
- Women with a history of genital HSV should have an excellent physical exam at the time of delivery. If no lesions are present and no prodrome, vaginal delivery possible
- Providers should discuss suppressive therapy throughout pregnancy or starting at 36 weeks, particularly for those with frequent recurrences of genital lesions



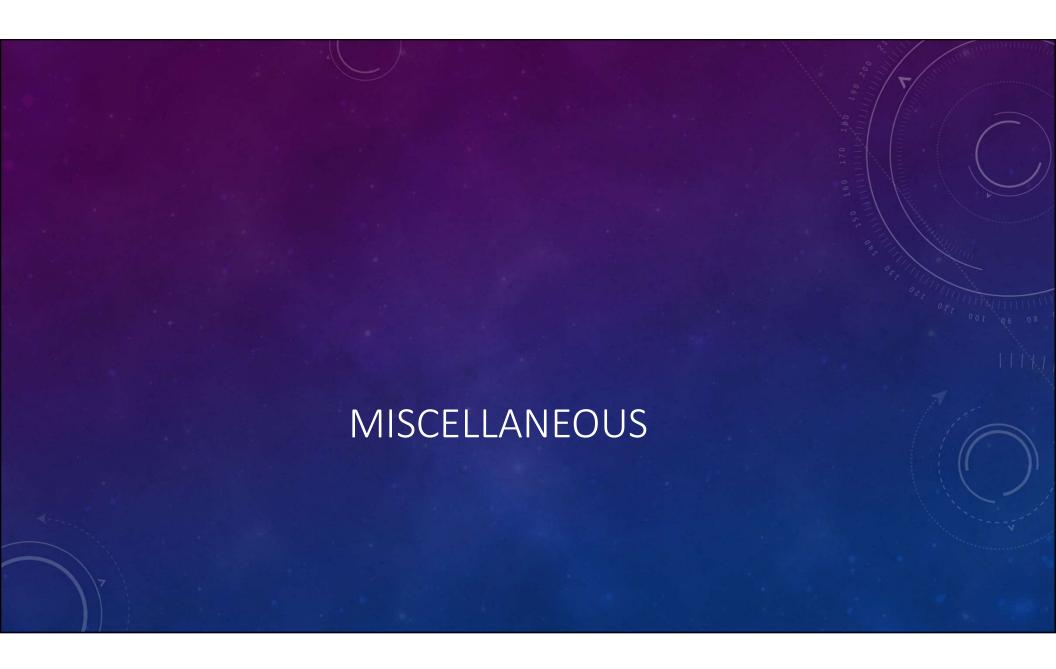
MYCOPLASMA TESTING

- It's still complicated
- CDC:
 - Test men with unresolved urethritis after covering for GC/chlamydia, women with PID
 - No screening recommendations
 - Significant antibiotic resistance (macrolides)
- Health and wellness space:
 - At home test kits, do not reliably report sensitivities
 - High burden of asymptomatic mycoplasma presence in the genitalia
 - No evidence-based treatment regimens for asymptomatic persons and persons "exposed" by a partner

MYCOPLASMA GENITALIUM

- Treat like BASHH guidelines:
 - In areas where macrolide resistance is high:
 - Doxycycline 100 mg PO BID x 7 days then moxifloxacin
 400 mg PO BID x 7 days
 - In areas where macrolide resistance is low:
 - Doxycycline 100 mg PO BID x 7 days, then
 azithromycin 1 G PO on day 1, 500 mg PO QD x 3 days

*British Association for Sexual Health and HIV



VAGINITIS

- Product-driven vulvar hygiene regimens increase the rates of BV
- Genital hair removal increases the risk of BV and chlamydia/gonorrhea in women
- Candidiasis, especially recurrent infections, are overdiagnosed by both patients and providers.
 - Fluconazole resistance is increasing

PERSONS IN CORRECTIONAL FACILITIES

• 2021:

- Opt-out screening for chlamydia/gonorrhea for women < 35, men < 30
- Opt-out screening for trichomoniasis in women < 25
- Opt-out screening for syphilis based on local syphilis prevalence
- Screen for HAV, HBV & HCV, vaccinate for HAV, HBV
- Opt-out HIV screening, start PrEP if warranted

