Sexually Transmitted Diseases

- **BACTERIA-PID**
- **PARASITES**
  - PROTOZOAN
  - ECTOPARASITES
- **VIRUSES**

**Chlamydia trachomatis**

- Most common in US, 75% unreported
- Symptoms rare-65% no symptoms
- Causes PID, infertility
- 3-4 million people/yr

![Chlamydia trachomatis](image)

- In women:
  - unusual vaginal discharge
  - burning when urinating
  - lower abdominal pain
  - bleeding between periods
  - low fever
- In men:
  - discharge from the penis
  - burning when urinating
  - pain and swelling in the testicles
Neissera gonorrhea

- Second most common STD
- 650,000 cases/yr
- neonatal ophthalmia
- Similar symptoms to chlamydia

Gonorrhea

Pelvic Inflammatory Disease
Treponema pallidum: Syphilis

- 1400’s
- Spirochete bacteria
- 4 stages
  - 1-chancre
  - 2-rash
  - 3-latent
  - 4-severe

Sexually Transmitted Parasites

Trichomonas vaginalis

- Pathology and symptoms:
  - Female: vaginal inflammation, creamy to yellowish frothy vaginal discharge, burning on urination, itching, irritation
  - Male: asymptomatic
  - Prostatitis, urethritis, epididymitis with hematuria, incomplete bladder emptying, WBC and RBC in urine
- Treatment: metronidazole, tinidazole

Phthirus pubis

Pubic Lice
- Itchy skin
- Black powder (lice droppings) in underwear
- White eggs on the hair

- Occasionally, visible lice and eggs
- Spots of blood are sometimes seen as lice feed from blood vessels close to the surface of the skin

5,000,000 cases/yr
**Viral STD’s: Herpes**

- 45 m infections in US
- Lesions shed (cast off) viruses that can infect another person
- 1st symptoms w/in 2 to 10 days
  - Itching or burning
  - Pain in the legs, buttocks, or genital area
  - Discharge of fluid

Treatments: (NO CURE)
- Acyclovir (Zovirax)
- Famciclovir (Famvir)
- Valacyclovir (Valtrex)

**Viral STD’s: Papilloma (HPV)**

- 100 types; 30 types are STIs
- 20 m people in the US; 6m new/yr
- 50% of active, 80% of women 50+
- Often no symptoms
- Skin-to-skin contact
- 2/3 will get warts
- Antiviral creams and Acid treatments
- Linked to cervical cancer

**Viral STD’s: HIV**

- Human Immunodeficiency Virus
- AIDS-Acquired Immune Deficiency Syndrome
- blood, vaginal fluid, semen, and breast milk
- 800,000 to 900,000 people who are HIV-positive
- 300,000 people with AIDS
- signs of HIV disease like fevers, night sweats, diarrhea, or swollen lymph nodes