

## Sexually Transmitted Diseases

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

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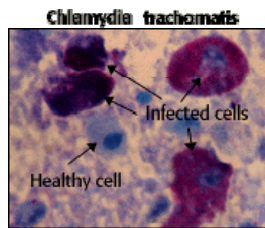
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### *Chlamydia trachomatis*

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



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- 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



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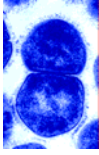
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## *Neisseria gonorrhoea*

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



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## Gonorrhea



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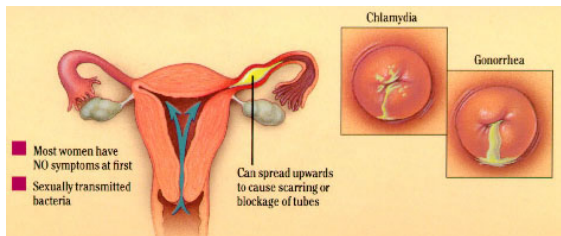
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## Pelvic Inflammatory Disease



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## Treponema pallidum: Syphilis

- 1400's
- Spirochete bacteria
- 4 stages
  - 1-chancere
  - 2-rash
  - 3-latent
  - 4-severe



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## Sexually Transmitted Parasites

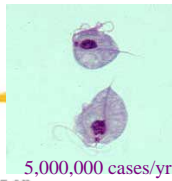
### Trichomonas vaginalis

#### ◆ 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

- ◆ tinadazole



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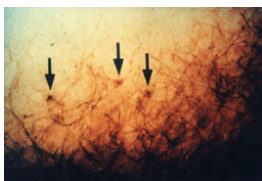
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## Phthirus pubis

### 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

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## 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)

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## 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



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## 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

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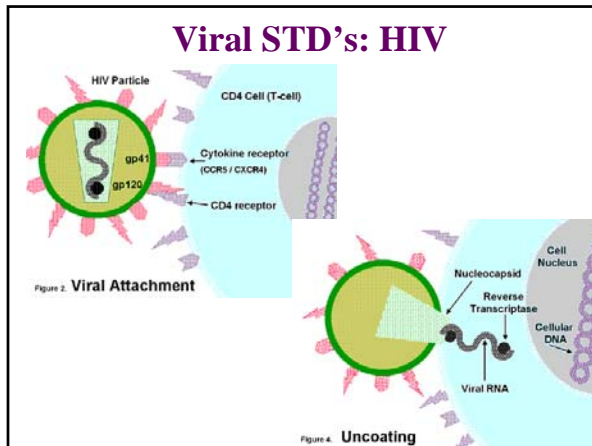
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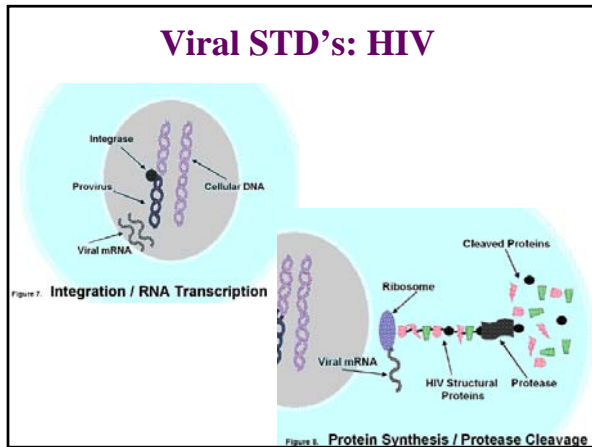
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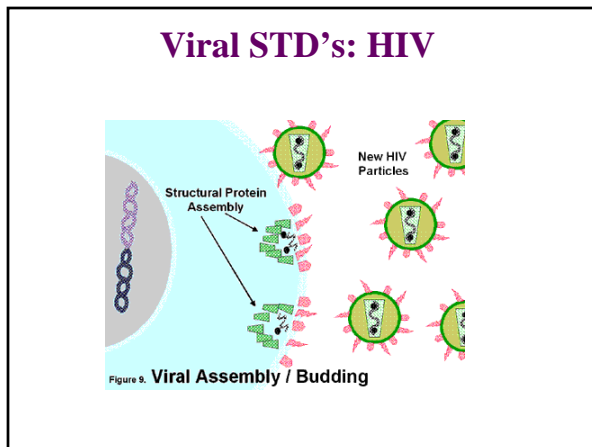
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