Sexually Transmitted Disease & You
Lorrainine Pedro
Florida Department of Health
Broward County
## Broward County Statistics

<table>
<thead>
<tr>
<th></th>
<th>Jan.-Dec. 2013</th>
<th>% Change</th>
<th>Ranking in Florida</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chlamydia</strong></td>
<td>8,123</td>
<td>+ 10.2%</td>
<td>2 (Miami-Dade #1)</td>
</tr>
<tr>
<td><strong>Gonorrhea</strong></td>
<td>2,368</td>
<td>+ 8.3%</td>
<td>2 (Miami-Dade#1)</td>
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<tr>
<td><strong>Syphilis</strong></td>
<td>880</td>
<td>- 8.9%</td>
<td>2 (Miami-Dade #1)</td>
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<tr>
<td><strong>Total STDs</strong></td>
<td>11,371</td>
<td>+ 7.9%</td>
<td></td>
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</tbody>
</table>
Common STD’s

- Gonorrhea
- Chlamydia
- Syphilis
- Herpes
- Genital Warts
- Hepatitis A, B & C
- HIV
Gonorrhea

• From Greek "gonos" (seed) + "rhoea" (to flow)
• Term "clap" derived from French "clapiers" (rabbit warrens - houses of prostitution used during Middle Ages)
• Organism: *Neisseria gonorrhoea*
Gonorrhea

- Gonorrhea is sometimes called clap, drip, dose, strain, gleet or the whites. **Gonorrhea generally affects the genitals, reproductive system, and (in some cases) other parts of the body of men and women.**

- The *Neisseria Gonorrhoeae* is the bacteria that causes Gonorrhea

- Incubation period: 1 – 14 days

- An infected person can easily pass it on to his/her sex partners and cause infections in these sex partners

- If a woman is pregnant and is infected with Gonorrhea, she can pass the infection onto her newborn during childbirth
Clinical Manifestations

• **Urethritis - male**
  – Incubation: 1-14 d (usually 2-5 d)
  – Sx: Dysuria and urethral discharge (5% asymptomatic)
  – Dx: Gram stain urethral smear (+) > 98% culture
  – Complications

• **Urogenital infection - female**
  – Endocervical canal primary site
  – 70-90% also colonize urethra
  – Incubation: unclear; sx usually in 10 d
  – Sx: majority asymptomatic; may have vaginal discharge, dysuria, labial pain/swelling, abd. pain
  – Dx: Gram stain smear (+) 50-70% culture
  – Complications
Easily detected by a urine test or swab; and

Easily cured with antibiotics;

Any damage to the body cannot be repaired.

Testing & Treatment is available at the Broward Wellness Center
954-STD-TEST
Chlamydia

- Is a common sexually transmitted disease (STD) caused by the bacterium, *Chlamydia trachomatis*, which can damage a woman's reproductive organs. Even though symptoms of Chlamydia are usually mild or absent, serious complications that cause irreversible damage, including infertility, can occur "silently" before a woman ever recognizes a problem. Chlamydia also can cause discharge from the penis of an infected man.
Symptoms

• Chlamydia is known as a "silent" disease because about three quarters of infected women and about half of infected men have no symptoms. If symptoms do occur, they usually appear within 1 to 3 weeks after exposure.
Symptoms

- **Male**
  
  white discharge from the penis
  
  burning sensation when urinating

- **Female**
  
  abnormal vaginal discharge or a burning sensation when urinating
Testing & Treatment for Chlamydia

• Easily detected by a urine test or a swab; and
• Easily cured with antibiotics; but
• Any damage to the body cannot be repaired

• Testing & Treatment is available at the Broward Wellness Center
  954-STD-TEST
Graphic Pictures

• Close your eyes if you are offended by pictures of the male and female sex organs
• Syphilis – “The Great Imitator”
Syphilis

• Caused by the organism *treponema pallidum* – a spirochete bacteria

• Spread sexually by contact with sores or mucous lesions etc.

• Incubation 10 – 90 days…

  Average 21 days
Primary Syphilis

• Chancre
  • early: macule/papule → erodes
  • late: clean based, painless, indurated ulcer with smooth firm borders
  • unnoticed in 15-30% of patients (anal/vaginal)
  • lasts 1-5 weeks, 3 week average
  • Appears at site of initial contact
  • HIGHLY INFECTIOUS
ALERT

• PLEASE turn your head
  or
• Shut your eyes 😊

• If you feel you might be offended by graphic pictures of genitalia containing examples of syphilis symptoms
Syphilis - Primary
Secondary Syphilis

- Spirochetes spread throughout the body
- Usually 2-8 weeks after chancre appears
- Symptoms examples:
  - rash - whole body (includes palms/soles)
  - mucous patches
  - Condylomata lata - **HIGHLY INFECTIOUS**
  - Hair loss
- Signs/symptoms 2-6 weeks average 4 weeks
- Symptoms go away even without treatment
Early Latent Syphilis

- Infected with Syphilis –
- Have no signs or symptoms
- Period between primary and secondary syphilis
- 0-10 weeks – average 4 weeks
Early Latent Syphilis

- Period between primary and secondary syphilis when no symptoms are present.
- Period after secondary syphilis has resolved, still infected, less than 1 year’s duration.
- **NOTE**: Late syphilis is untreated syphilis greater than 12 months.
Complications of untreated syphilis

• Stillbirth in pregnant females
• Congenital syphilis (many babies die from major complications)
• There are long term complications if adequate treatment not received
• Many times, damage done can **NOT** be corrected even if appropriate medicine is received
• Include Blindness, cardiovascular (heart) problems, paresis, insanity, death
Late Stage Syphilis - Ulcerating Gumma

Source: CDC/NCHSTP/Division of STD Prevention, STD Clinical Slides
Testing & Treatment for Syphilis

• Easily detected by a blood test; and

• Easily cured with antibiotics;

• Any damage done to the body cannot be repaired.

• Testing & Treatment is available at the Broward Wellness Center.

   954-STD-TEST
Herpes (HSV)

- Genital herpes is a sexually transmitted disease (STD) caused by the herpes simplex viruses type 1 (HSV-1) and type 2 (HSV-2). Most genital herpes is caused by HSV-2. Most individuals have no or only minimal signs or symptoms from HSV-1 or HSV-2 infection. When signs do occur, they typically appear as one or more blisters on or around the genitals or rectum. The blisters break, leaving tender ulcers (sores) that may take two to four weeks to heal the first time they occur. Typically, another outbreak can appear weeks or months after the first, but it almost always is less severe and shorter than the first outbreak. Although the infection can stay in the body indefinitely, the number of outbreaks tends to decrease over a period of years.
What is Genital Warts?

- Human papillomavirus (HPV).
• Is a sexually transmitted disease (STD) that is caused by human papillomavirus (HPV). Human papillomavirus is the name of a group of viruses that includes more than 100 different strains or types. More than 30 of these viruses are sexually transmitted, and they can infect the genital area of men and women including the skin of the penis, vulva (area outside the vagina), or anus, and the linings of the vagina, cervix, or rectum. Most people who become infected with HPV will not have any symptoms and will clear the infection on their own.
HPV

• Some of these viruses are called "high-risk" types, and may cause abnormal Pap tests. They may also lead to cancer of the cervix, vulva, vagina, anus, or penis. Others are called "low-risk" types, and they may cause mild Pap test abnormalities or genital warts. Genital warts are single or multiple growths or bumps that appear in the genital area, and sometimes are cauliflower shaped.
Flat genital warts of male
HIV

- *HIV* stands for human immunodeficiency virus. This is the virus that causes AIDS.
- HIV is different from most other viruses because it attacks the immune system.
- The immune system gives our bodies the ability to fight infections. HIV finds and destroys a type of white blood cell (T cells or CD4 cells) that the immune system must have to fight disease.
History: United States

- First identified in the United States in 1981 after a number of gay men became sick with a rare type of cancer (GRID).
- In the early 1980’s, as many as 150,000 people became infected with HIV each year.
- By the early 1990’s, the rate dropped to 40,000 new cases a year and has stayed at that rate.
- AIDS cases fell dramatically in 1996, when new drugs became available.
Broward County HIV Stats

- Broward County is ranked number one in Florida for HIV/AIDS cases in the Black Community. 1 out of 35 are infected.
- Broward County is ranked 2nd (Miami-Dade is ranked #1) in the Nation with number of new HIV cases.
- From Jan. to Dec. 2013, there were 1,044 new HIV cases
How is HIV transmitted?

- HIV is primarily found in the blood, semen, or vaginal fluid of an infected person. HIV is transmitted in 3 main ways:
  - Having sex (anal, vaginal, or oral) with someone infected with HIV
  - Sharing needles and syringes with someone infected with HIV
  - Being exposed (fetus or infant) to HIV before or during birth or through breast feeding
How is HIV not Transmitted?

• The virus **is not transmitted** through day-to-day activities such as:
  – shaking hands
  – hugging
  – casual kiss
  – You cannot become infected from a toilet seat, drinking fountain, doorknob, dishes, drinking glasses, food, or pets.
  – You also cannot get HIV from mosquitoes.
Risk Factors for HIV

- Injected drugs or steroids, during which equipment (such as needles, syringes, cotton, water) and blood were shared with others
- Unprotected vaginal, anal, or oral sex (that is, sex without using condoms) with men who have sex with men, multiple partners, or anonymous partners
- Exchanged sex for drugs or money
- Been given a diagnosis of, or been treated for, hepatitis, tuberculosis (TB), or a sexually transmitted disease (STD) such as syphilis
- Received a blood transfusion or clotting factor during 1978–1985
- Had unprotected sex with someone who has any of the risk factors listed above
The following **may be** warning signs of advanced HIV infection:
• Rapid weight loss
• Dry cough
• Recurring fever or profuse night sweats
• Profound and unexplained fatigue
• Swollen lymph glands in the armpits, groin, or neck
• Diarrhea that lasts for more than a week
• White spots or unusual blemishes on the tongue, in the mouth, or in the throat
• Pneumonia
• Red, brown, pink, or purplish blotches on or under the skin or inside the mouth, nose, or eyelids
• Memory loss, depression, and other neurological disorders
Wasting Syndrome

A patient with wasting syndrome associated with HIV/AIDS
Key Summary Points about the Domestic Epidemic

• 25 years of HIV/AIDS

• Tremendous successes in the U.S. including
  – significant reduction in new infections since the 1980s
  – antiretroviral treatment and people living longer
  – reduction in mother to child transmission

• But the U.S. epidemic is not over - troubling signs, potential increases among some populations

• Impact varies across country – complex & “local”
  – Minority Americans, particularly African Americans, women, young people, men who have sex with men

• Many challenges remain for prevention, care, treatment, and research
STD Prevention

- Abstain from sex
- Monogamous Relationship
- Get tested on a regular basis (2x year)
- Use condoms (male & female condoms are available)
- Dental Dams (Saran wrap)
- Finger cots
Prevention

• If you see symptoms like those above on you or your partners, see a medical provider immediately.

• If infected, inform your partners to seek medical treatment so they will be ok and won’t re-infect (give it back to) you
It is OK to use condoms

Standing Up for my colours!

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Questions?