

*TESH 2012-2013*

*Sexually-transmitted Diseases and  
Youth:  
Considerations for the School Nurse  
November 15, 2012*

Dr. M. Scott Applegate, MD, FAAP

**IMPORTANT INFORMATION**

**If you experience technical difficulties  
during our presentation, please call:  
402-481-5674 (Carol Brandl)  
402-416-7583 (Kathy Karsting)**

Please keep your microphone on MUTE unless you wish to speak to our presenter.

*Thank you for not interrupting our presentation with background noise or technical difficulties.*

**TESH**

Program materials are available at:

[http://dhhs.ne.gov/publichealth/Pages/schoolhealth\\_tesh.aspx](http://dhhs.ne.gov/publichealth/Pages/schoolhealth_tesh.aspx)

Sexually-transmitted Diseases and Youth  
Requirements for Credit

- To receive contact hours for attending today's event you **must**:
  - Sign in, completing all fields of the sign in sheet
  - Be present for the entire event
  - Complete and return an evaluation
  - Keep our program "Green!" Please give us your email address and we will issue your certificate electronically!

Sexually-transmitted Diseases and Youth  
Requirements for Credit

- Contact hours are available for independent study.
- **Contact hour approval for the recording of this event expires October 23, 2014.**
- For more information about TESH, Telehealth Education for School Health, please contact: [kathy.karsting@nebraska.gov](mailto:kathy.karsting@nebraska.gov).

Sexually Transmitted Diseases and Youth  
Required Disclosures

- The members of the TESH planning committee and our presenter today disclose they have no real or perceived conflicts of interest, or financial or commercial influences, that might bias the content of our program.
- There will be no discussion of off-label or unapproved used of medication in this program.

### Sexually-transmitted Diseases and Youth Disclaimer

- The opinions and viewpoints expressed in this program are the sole responsibility of the presenter, and do not necessarily reflect the views, policies, or positions of:
  - The Nebraska Department of Health and Human Services;
  - The Nebraska Statewide Telehealth Network or our participating member locations; or
  - The Georgia Nurses' Association, the accredited continuing education approver for our presentation today.

## Sexually Transmitted Disease Surveillance 2010

National Center for HIV/AIDS, Viral Hepatitis, STD & TB Prevention  
Division of STD Prevention

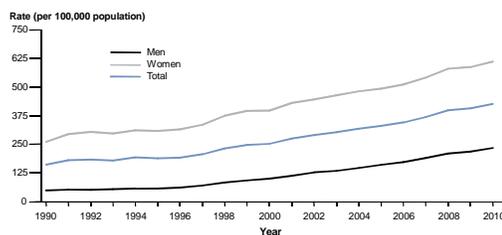


## CHLAMYDIA

Sexually Transmitted Disease Surveillance 2010  
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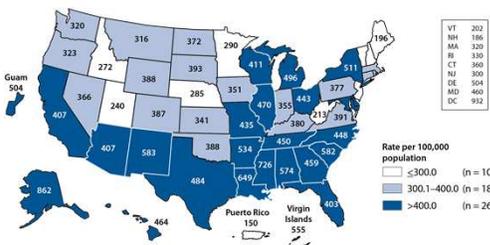
### Chlamydia—Rates by Sex, United States, 1990–2010



NOTE: As of January 2000, all 50 states and the District of Columbia have regulations that require the reporting of chlamydia cases.



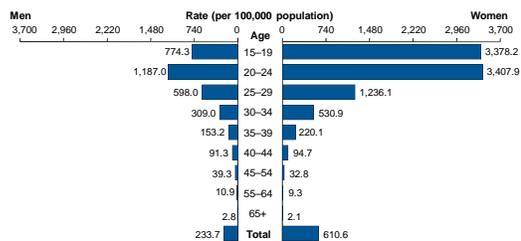
### Chlamydia—Rates by State, United States and Outlying Areas, 2010

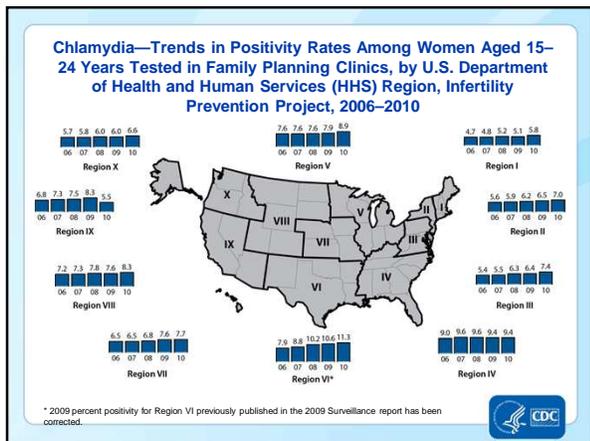
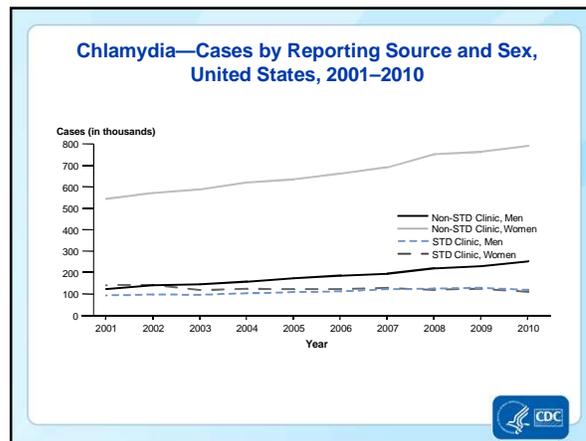
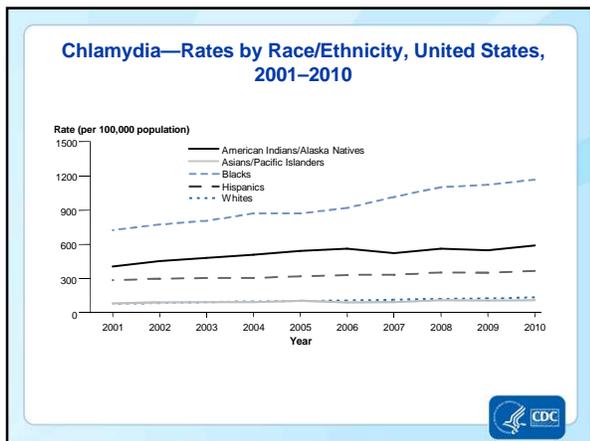


NOTE: The total rate of chlamydia for the United States and outlying areas (Guam, Puerto Rico, and Virgin Islands) was 422.6 per 100,000 population.



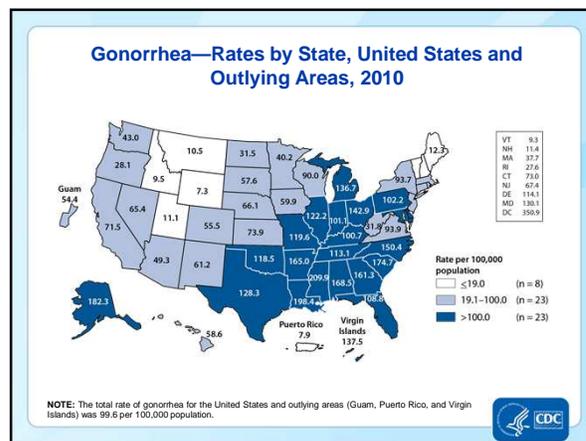
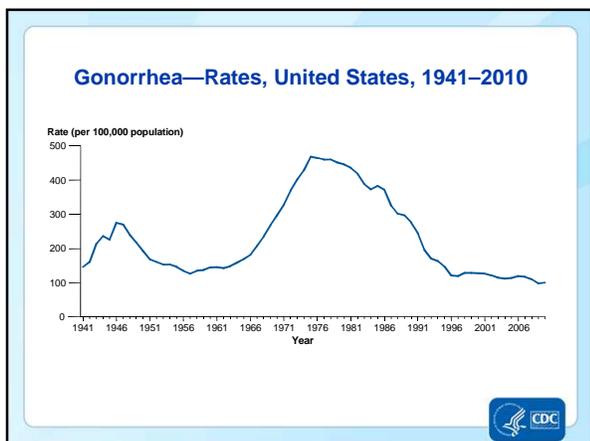
### Chlamydia—Rates by Age and Sex, United States, 2010

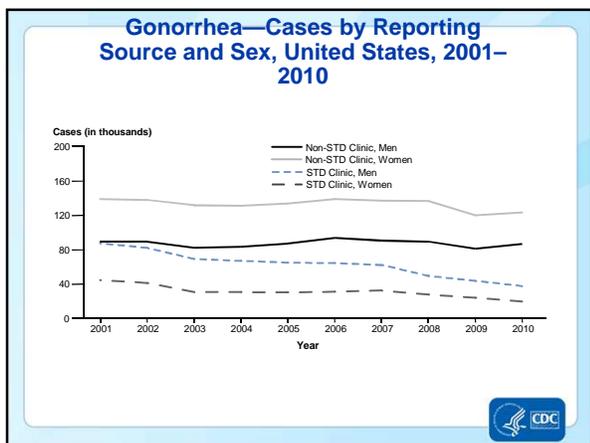
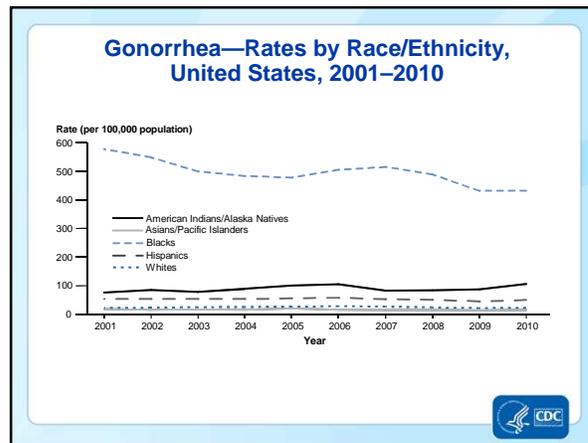
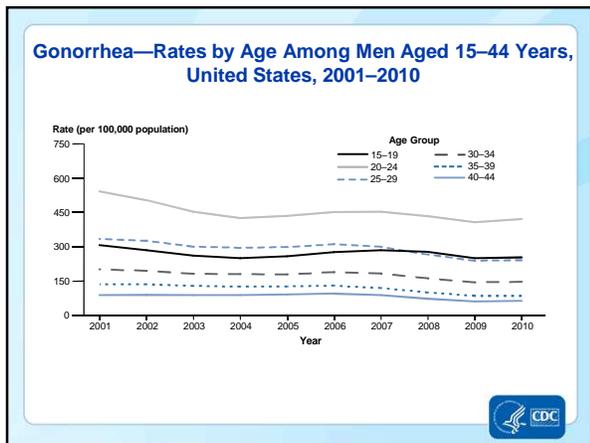
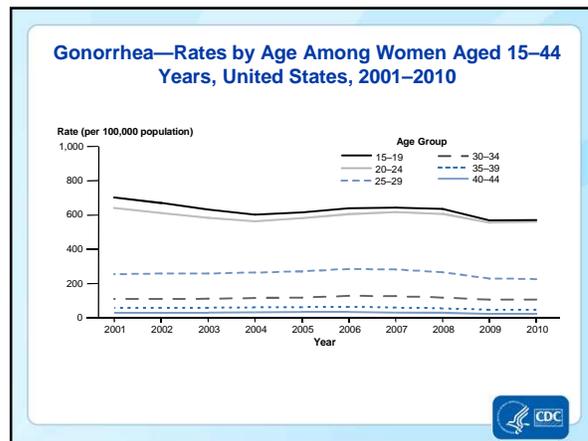
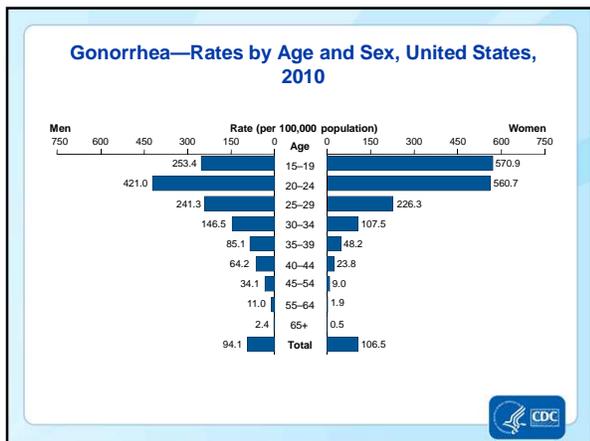




## GONORRHEA

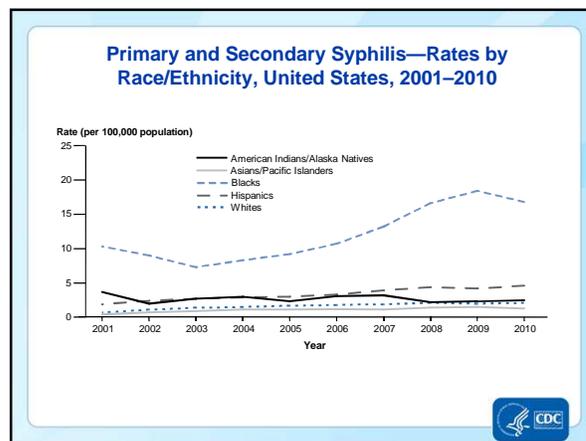
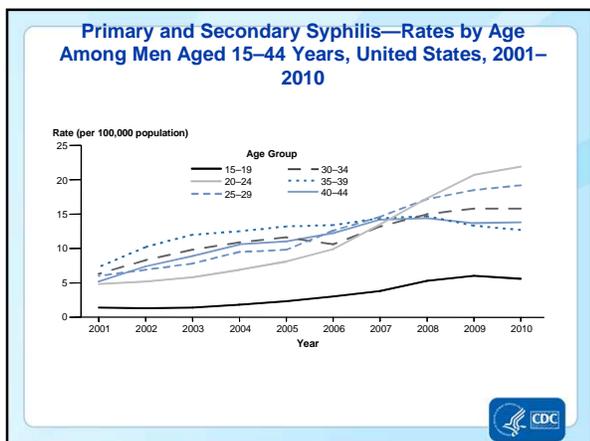
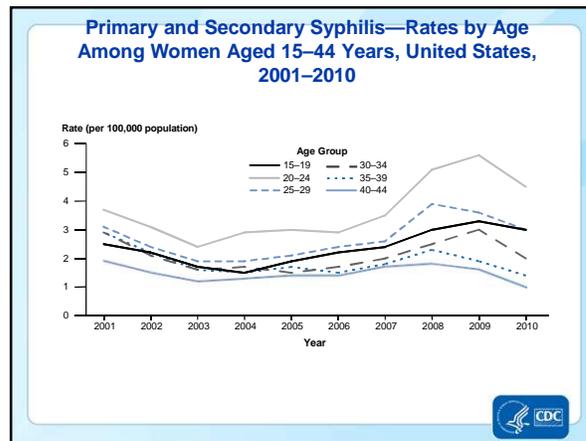
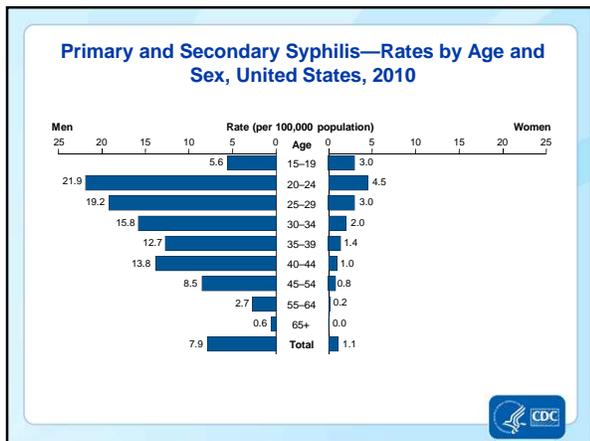
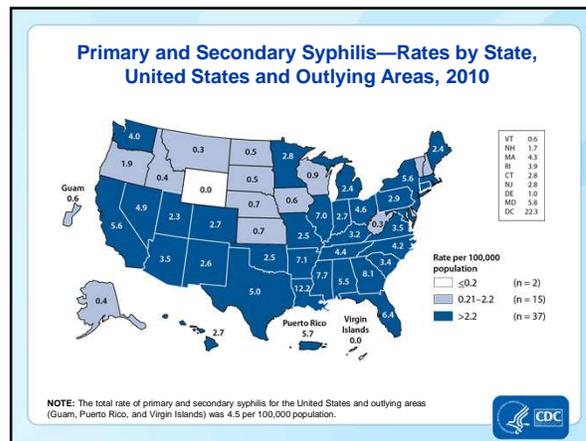
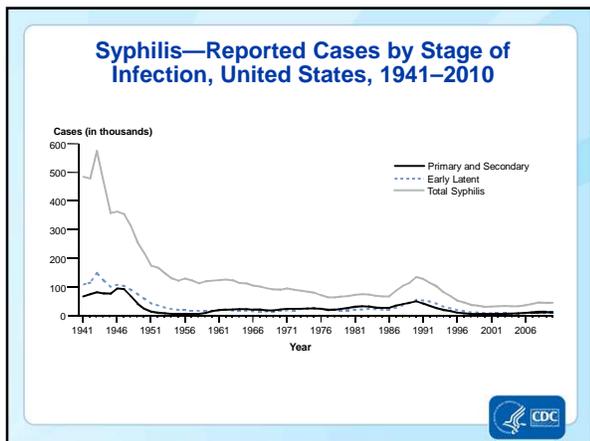
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Division of STD Prevention

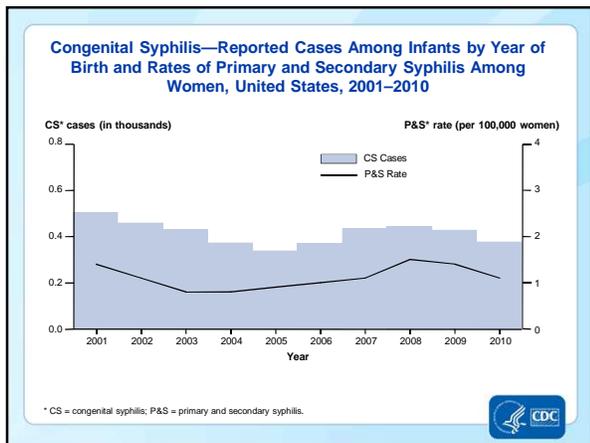
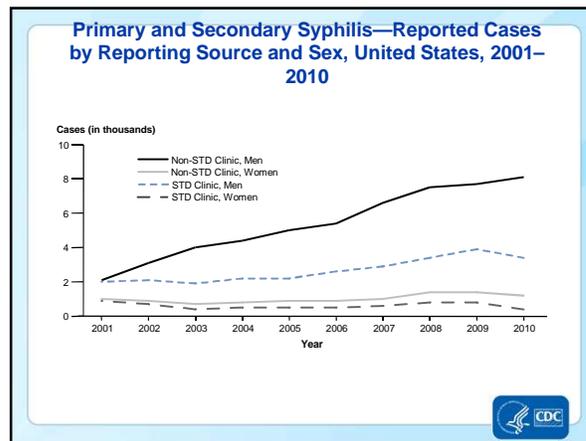
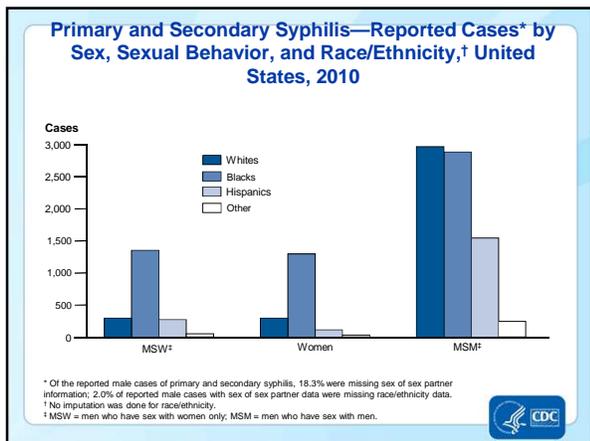




# SYPHILIS

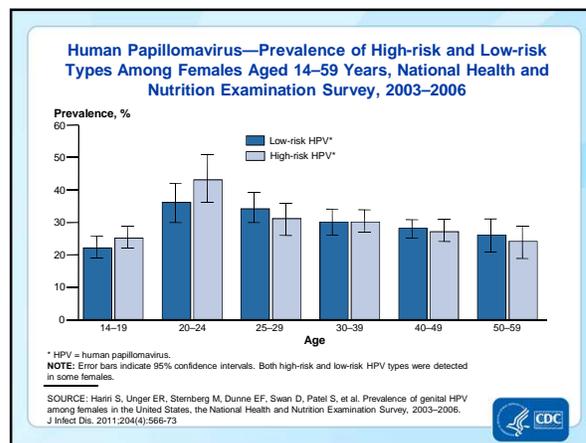
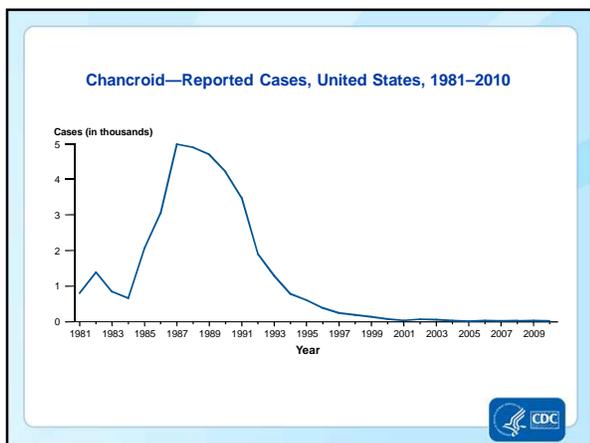
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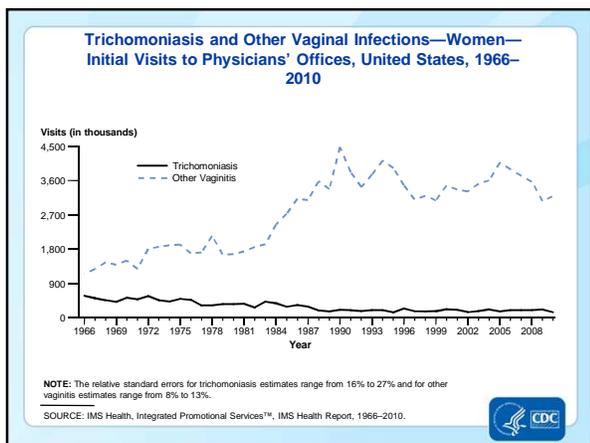
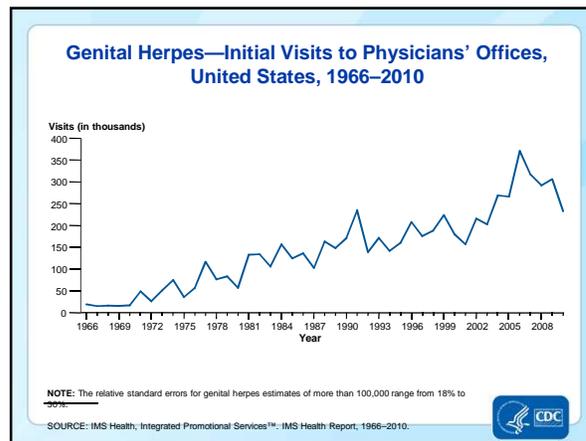
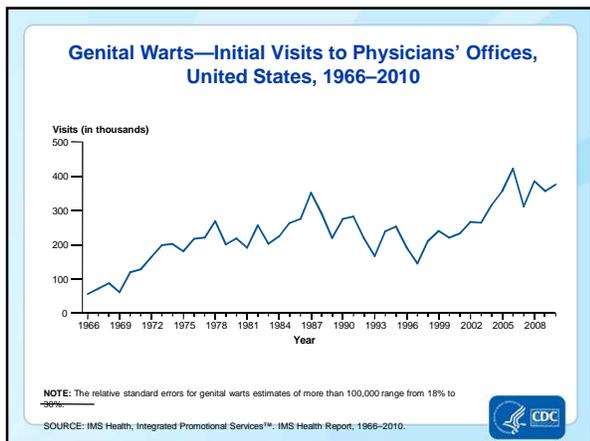




## Other Sexually Transmitted Diseases

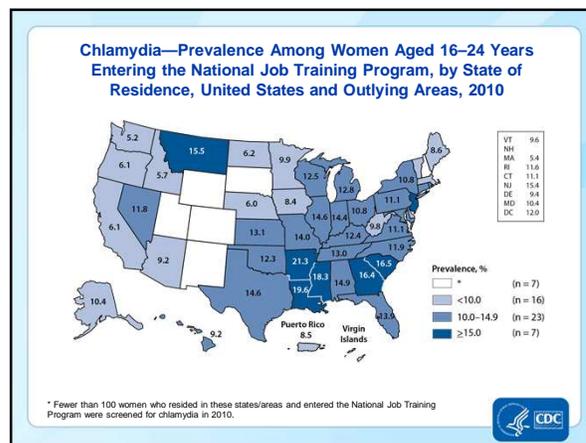
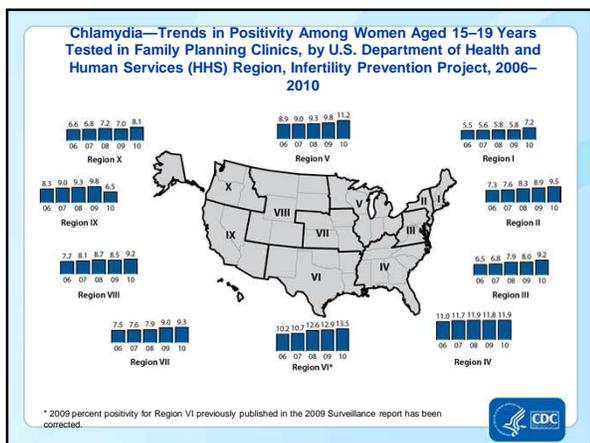
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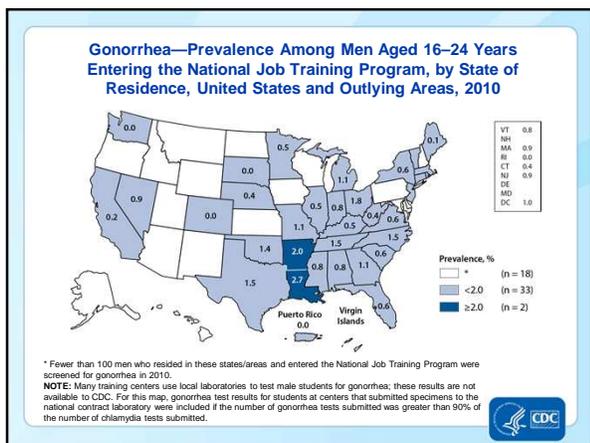
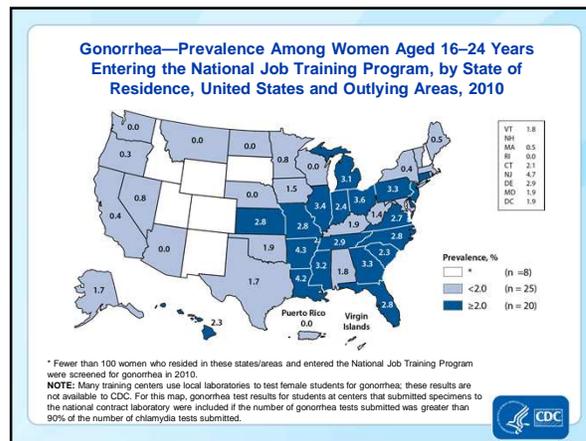
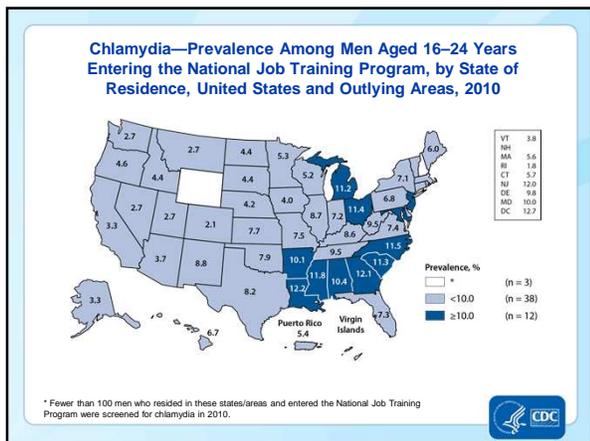




## STDs in Adolescents and Young Adults

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- ✦ Trichomoniasis
- ✦ The most common curable STD in the US
- ✦ 3.7 million current infections

- ✦ Herpes
- ✦ Type 1 (above the belt). Cold sores.
- ✦ Type 2 (below the belt). Genital lesions.

- ✦ Chlamydia and Gonorrhea
- ✦ More than a million cases a year of Chlamydia are reported.
- ✦ Less than 1/2 of Gonorrhea infections are reported.

- ✦ Syphilis

- ✦ Primary-Latent-Tertiary
- ✦ Famous known or suspected cases
  - ✦ Adolf Hitler
  - ✦ Scott Joplin
  - ✦ Al Capone
  - ✦ Vincent Van Gogh

- ✦ HIV

- ✦ people with other STD's are 2-5 times more likely to acquire HIV infection if they are exposed. Likely due to breaks in the skin barrier.
- ✦ Treatment of concurrent STD can slow the spread of HIV to partners.

- ✦ Human Papillomavirus (HPV)

- ✦ The most common sexually transmitted infection.
- ✦ Infects genitals, mouth, throat, anus

- ✦ HPV disease

- ✦ Genital warts
- ✦ Cervical Cancer
- ✦ Cancers of vulva, vagina, penis, anus, oropharynx, tongue, tonsils.

- ✦ HPV THIS YEAR

- ✦ Another 6 million people will be infected
- ✦ 12,000 women will get cervical cancer. All of them associated with HPV
- ✦ 1500 women will get HPV Vulvar cancer
- ✦ 500 women will get HPV vaginal cancer
- ✦ 400 men will get HPV penile cancer
- ✦ I'm not done yet!

- ✦ HPV THIS YEAR continued

- ✦ 2700 women and 1500 men will get HPV associated anal cancer
- ✦ 1500 women and 5600 men will get HPV oropharyngeal cancers.
- ✦ 4000 women will die of cervical cancer.
- ✦ AND all of them are preventable!

✦ HPV Vaccine

- ✦ Prevents the HPV types that cause malignant cervical cancer.
- ✦ Prevents the two most common strains that cause genital warts
- ✦ Prevents the two most common causes of anal cancers
- ✦ May protect against up to 50% of head and neck cancers. Data still pending.

✦ HPV Vaccine Safety

- ✦ multiple countries over thousands of people initially studied.
- ✦ Over 46 million doses to date.
- ✦ No serious side effects.
- ✦ Dizziness, pain, fever, nausea.

✦ School vaccination requirements

- ✦ Virginia only state to mandate HPV vaccine
- ✦ two other states mandate education on the disease and prevention.