
http://www.medinstiute.org/content.php?name=stifacts, 1/2008

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Pamphlet 479

Facts about Sexually Transmitted Diseases/Infections

How many STIs are there and what are their names?

The number of STIs (sexually transmitted infections) will vary depending on what is counted as an STI and whether sexually transmissible infections are also counted. The Medical Institute uses a list of STIs that is adapted from chapter headings in a standard STI textbook (usually referred to by the name of its primary editor, KK Holmes).

This list, which appears below in alphabetical order, has 29 different infections.

Bacterial:
1 bacterial vaginosis
2 campylobacteriosis
3 chancroid
4 chlamydia
5 Donovanosis
6 gonorrhea
7 lymphogranuloma venereum
8 mycoplasmas, genital
9 salmonellosis
10 syphilis
11 treponematoses, endemic

Ectoparasitic:
12 lice, pubic
13 scabies

Fungal:
14 candidiasis, vulvovaginal

Protozoal:
15 amebiasis
16 cryptosporidium
17 giardiasis

Protozoal:
15 amebiasis
16 cryptosporidium
17 giardiasis
18 trichomoniasis

Viral:
19 cytomegalovirus
20 Epstein Barr virus
21 hepatitis A
22 hepatitis B
23 hepatitis C
24 hepatitis D
25 herpes simplex virus (HSV-1 & HSV-2)
26 human immunodeficiency virus (HIV)
27 human papillomavirus (HPV)
28 human T-cell lymphotropic virus (HTLV-1)
29 molluscum contagiosum

How common are STIs?
The United States has an epidemic of sexually transmitted infections (STIs). Over 70 million Americans currently have an STI.[1] 19 million new cases occur each year. Half of these are in people under 25.[2,3]

What causes STIs?
STIs can be caused by bacteria (eg, chlamydia, gonorrhea, syphilis), viruses (eg, HIV/AIDS, hepatitis, herpes, HPV), or parasites (trichomoniasis).

Chlamydia is the most common bacterial STI. Human papillomavirus (HPV) infection is the most common viral STI.[1,2]

How do you get them?
You get STIs during sexual activity. This includes vaginal sex, oral sex[4-9] and anal sex.[9-12] A few—HPV and herpes—can even be spread by contact with infected skin. Others, such as HIV and hepatitis, can be spread through needle-sharing.

You can get STIs from someone who has no symptoms.

What are the symptoms?
Most people with STIs have no symptoms. Even without symptoms, they can still pass on the infection. Some STIs cause symptoms such as an abnormal discharge from the penis or vagina, burning sensation when urinating and abdominal pain. Skin changes can also occur; these include rashes, ulcers and warts.

What are the complications?
In women, complications from infection include pelvic inflammatory disease (PID), tubal pregnancy, infertility and cervical cancer.

In pregnant women, STIs can lead to miscarriage, stillbirths, preterm delivery and birth defects. In men, HPV infection can cause penile cancer.[13] Some STIs, such as HIV, can be life-threatening.

Can they be treated?
Most bacterial STIs can be treated and cured with antibiotics. Treatment does not guarantee that complications have not already occurred. A few viral STIs can be treated and occasionally cured. These are hepatitis C and B.[14,15]

However, other viral STIs can be treated for symptoms, but not cured. These include HPV and herpes. Vaccine research on viral STIs is ongoing. Vaccination for hepatitis B is effective and widely available. An HPV vaccine has recently become available. An HPV vaccine recently became available and another is being studied by the FDA.[16] However, these vaccines do not protect against all types of HPV that cause cancer and warts. How long it works is also unknown.[16,17]

Can they be prevented?
Yes, STIs can be prevented. Avoid all sexual activity if you are single or be faithful to one uninfected partner for life. This is the only way to avoid the risk of an infection.

There are also a number of ways to reduce the risk of infection. The fewer people you have sex with, the lower your risk of getting STIs. Correct and consistent condom use can also reduce (but not eliminate) your risk of getting most STIs.

Waiting to have sex until you are in a faithful, lifelong relationship (such as marriage) is the only certain way to avoid being infected sexually.

References: