



DuPage County Health Department R E V I E W

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Contact Information

Communicable Disease
(630) 682-7979, ext. 7553

Environmental Health
(630) 682-7979, ext. 7046

Immunizations
(630) 682-7400

Sexually Transmitted Diseases
(630) 682-7979, ext. 7575

HIV/AIDS
(630) 682-7979, ext. 7310

Tuberculosis
(630) 682-7522

School Health
(630) 682-7979, ext. 7300

Travel Clinic
(630) 682-7979, ext. 7590

Animal Control
(630) 407-2800

The purpose of this two-page surveillance update is to promote the control and prevention of **communicable disease (CD)** by providing clinically relevant information and resources to healthcare professionals in DuPage County.



Under the Microscope *Chlamydia trachomatis*

More information about chlamydia is available at
<http://www.cdc.gov/std/chlamydia/default.htm>

Chlamydia trachomatis infection is the most frequently reported notifiable disease in the United States. In 2004, 929,462 chlamydia infections were reported to the Centers for Disease Control and Prevention (CDC) from 50 states and the District of Columbia. This case count corresponds to a rate of 319.6 cases per 100,000 population, an increase of 5.9% compared with the rate of 301.7 in 2003. The reported number of chlamydia infections was more than 2.5 times the number of reported cases of gonorrhea (330,132 gonorrhea cases were reported in 2004).¹

Underreporting is substantial because most people with chlamydia are not aware of their infections and do not seek testing. Also, testing is often not done if patients are treated empirically for their symptoms. An estimated 2.8 million Americans are infected with chlamydia each year. Women are frequently re-infected if their sex partners are not treated.¹

In women, chlamydia infections (often asymptomatic) may result in pelvic inflammatory disease (PID), which is a major cause of infertility, ectopic pregnancy, and chronic pelvic pain. Data from a randomized controlled trial of chlamydia screening in a managed care setting suggest that *screening programs can lead to a reduction in the incidence of PID by as much as 60%.*²

As with other inflammatory sexually transmitted diseases (STDs), chlamydia infection can facilitate the transmission of HIV infection. In addition, pregnant women infected with chlamydia can pass the infection to their infants during delivery, potentially resulting in ophthalmia neonatorum and pneumonia.

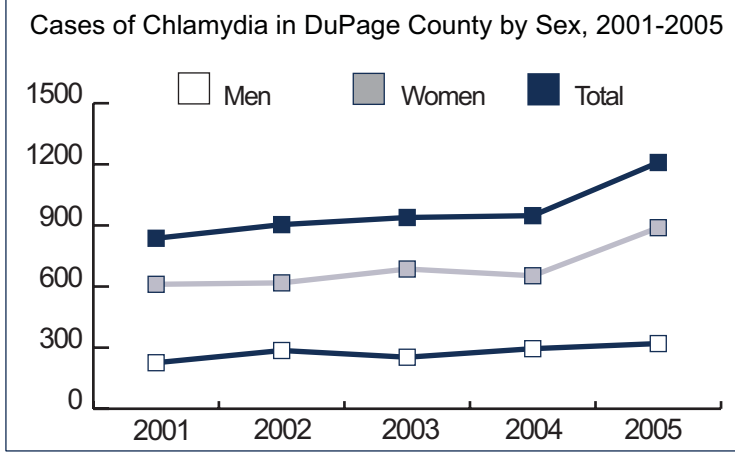
If a person has been treated for chlamydia (or any other STD), he or she should notify all recent sex partners so they can see a healthcare provider and be treated. The person and all of his or her sex partners must *avoid sex until they have completed their treatment for chlamydia.*

Women whose sex partners have not been appropriately treated are at high risk for re-infection, increasing their risk of serious reproductive health complications, including infertility. *Retesting should be considered for women, especially adolescents, three to four months after treatment. This is especially true if a woman does not know if her sex partner received treatment.*

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Annual chlamydia screening is recommended for all sexually active women **25 years of age and younger** and **older women with risk factors** for chlamydia (a new sex partner or multiple sex partners). **All pregnant women** should have a screening test for chlamydia. Persons may be evaluated and treated by their personal physician, or may be referred to STD Services at (630) 682-7979, ext. 7575.

Prevention: The surest way to avoid transmission of STDs is to *abstain from sexual contact*, or to be *in a long-term mutually monogamous relationship with a partner* who has been tested and is known to be uninfected. *Latex male condoms*, when used *consistently and correctly*, can reduce the risk of transmission of chlamydia.



¹ Centers for Disease Control and Prevention. Sexually Transmitted Disease Surveillance, 2004. Atlanta, GA: U.S. Department of Health and Human Services, September 2005.

² Scholes D, Stergachis A, Heidrich FE, Andrilla H, Holmes KK, Stamm WE. Prevention of pelvic inflammatory disease by screening for cervical chlamydial infection. *N Engl J Med* 1996;34(21): 1362-66.

Please contact Shaun Nelson, MPH at (630) 682-7979, ext. 7175 or snelson@dupagehealth.org to send suggestions or to be added to the distribution list.

DUPAGE COUNTY HEALTH DEPARTMENT

CASES¹ OF REPORTABLE DISEASES*

Required by the Illinois Department of Public Health (IDPH)

* Last updated July 2002

CD REVIEW

Volume 2, No. 2 February 2006

Vaccine Preventable Diseases	Report Within	2006		2005		2004		2003		2002		Median	
		Jan 2006	YTD	YTD	Total	YTD	Total	YTD	Total	YTD	Total	YTD	Total ('02-'05)
Chickenpox in those < 20 yrs old	7 days	15	15	44	225	57	273	86	342	144	939	57	308
Chickenpox in those ≥ 20 yrs old	24 hrs	0	0	0	7	2	13	2	10	1	28	1	12
Diphtheria	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Haemophilus influenzae	24 hrs	2	2	3	10	0	6	0	4	1	11	1	8
Hepatitis A	24 hrs	0	0	1	9	1	27	0	20	1	11	1	16
Hepatitis B	7 days	1	1	0	6	1	8	0	12	1	7	1	8
Hepatitis B (carriers)	7 days	15	15	11	147	7	146	8	136	13	199	11	147
Measles	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Mumps	7 days	0	0	0	0	1	1	0	3	1	3	0	2
Neisseria meningitidis	24 hrs	1	1	1	4	1	1	0	1	1	5	1	3
Pertussis	24 hrs	8	8	4	29	2	127	1	13	2	12	2	21
Polio	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	7 days	0	0	0	0	0	0	0	0	0	1	0	0
Streptococcus pneumoniae, invasive disease	7 days	8	8	4	64	5	62	9	97	10	65	7	64
Tetanus	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Other Communicable Diseases													
Amebiasis	7 days	0	0	0	0	0	3	1	2	0	5	0	3
Anthrax	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Blastomycosis	7 days	0	0	1	5	0	5	1	8	1	5	1	5
Botulism, foodborne	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Botulism, other	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Brucellosis	7 days	0	0	0	1	0	0	0	0	0	1	0	1
Campylobacteriosis	7 days	3	3	13	151	12	143	6	136	6	146	6	145
Cholera	24 hrs	0	0	0	0	0	0	0	1	0	0	0	0
Cryptosporidiosis	7 days	0	0	0	3	0	2	1	4	0	4	0	4
Cyclosporiasis	7 days	0	0	0	2	0	23	0	0	0	0	0	1
Diarrhea of the newborn	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Ehrlichiosis	7 days	0	0	0	0	0	0	0	1	0	0	0	0
Encephalitis ²	7 days	1	1	2	7	0	0	0	1	0	2	0	2
Enteric E. coli infections ³	24 hrs	0	0	0	17	0	11	0	4	1	25	0	14
Giardiasis	7 days	1	1	8	47	3	64	12	88	5	79	5	72
Glomerulonephritis	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Hantavirus pulmonary syndrome	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Hemolytic uremic syndrome	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis C (cases & carriers)	7 days	5	5	24	232	20	189	15	193	28	223	20	208
Hepatitis, viral, other ⁴	7 days	0	0	0	0	0	1	0	0	0	0	0	0
Histoplasmosis	7 days	0	0	0	2	6	0	2	0	4	0	3	3
Legionnaires' disease	7 days	0	0	2	4	0	5	0	8	0	5	0	5
Leprosy	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis	7 days	0	0	0	1	0	0	0	0	0	1	0	1
Listeriosis	7 days	0	0	0	2	0	2	0	2	0	0	0	2
Lyme disease	7 days	0	0	0	12	0	9	0	9	0	8	0	9
Malaria	7 days	0	0	1	5	0	8	1	4	0	3	0	5
Meningitis, aseptic ²	7 days	3	3	7	123	3	116	5	174	6	122	5	123
Ophthalmia neonatorum	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Plague	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Psittacosis	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Q fever ⁵	3 hrs	0	0	0	0	0	1	0	0	1	1	0	1
Rabies, human case	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rabies, potential exposure	24 hrs	0	0	0	24	0	18	0	10	0	26	0	21
Reye syndrome	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Rheumatic fever	24 hrs	0	0	0	1	0	0	0	0	0	0	0	0
Rocky Mountain spotted fever	7 days	0	0	0	0	0	1	0	0	0	0	0	0
Salmonellosis	7 days	2	2	6	119	0	107	9	99	5	111	5	109
Shigellosis	7 days	0	0	0	29	0	15	10	44	1	44	0	37
Smallpox	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Staphylococcus aureus (in those < 28 days old)	7 days	0	0	0	3	0	4	0	2	0	1	0	3
Staphylococcus aureus (vancomycin-resistant)	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Streptococcal infections, group A invasive	24 hrs	4	4	1	10	0	15	2	23	1	12	1	14
Streptococcal infections, group B invasive (in those < 3 mos old)	7 days	1	1	0	5	0	1	0	3	1	1	0	2
Toxic shock syndrome ⁶	24 hrs	0	0	0	3	0	6	1	4	1	2	0	4
Trichinosis	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	7 days	0	0	3	33	7	50	3	67	2	33	3	42
Tularemia	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Typhoid fever	24 hrs	0	0	1	2	1	2	0	1	0	3	0	2
Typhus	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
West Nile disease	7 days	0	0	0	47	0	5	0	4	0	44	0	25
Yersiniosis	7 days	0	0	0	2	0	2	0	0	0	1	0	2
STDs, HIV and AIDS													
AIDS ⁷	7 days	---	---	---	---	---	21	---	20	---	28	---	---
Chancroid	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	7 days	94	94	123	1209	71	948	82	939	62	904	82	944
Gonorrhea	7 days	15	15	24	206	13	210	25	209	14	234	15	210
HIV infection ⁷	7 days	---	---	---	---	---	26	---	28	---	23	---	---
Syphilis	7 days	3	3	0	15	0	9	1	18	0	10	0	13

DuPage County healthcare providers and hospitals **must report any suspected or confirmed case of these diseases** to the local health authorities within the number of hours or days indicated.

REPORTING NUMBERS:

Communicable Diseases
(630) 682-7979, ext. 7553
24 hours: (630) 682-7400

Tuberculosis
(630) 682-7522

STDs
(630) 682-7979, ext. 7575

HIV/AIDS:
(630) 682-7979, ext. 7310

- ¹ Provisional cases, based on date of onset
- ² Excludes West Nile disease
- ³ O157:H7, STEC, EHEC, ETEC, EPEC
- ⁴ Includes hepatitis D and E
- ⁵ Q fever cases in 2002 and 2004 not related to any suspected bioterrorism threat or event
- ⁶ Includes streptococcal (reportable within 24 hours) and presumed staphylococcal (reportable within 7 days)
- ⁷ HIV/AIDS data are provided quarterly by IDPH and are provisional, based on date of diagnosis

Websites

CDC:
www.cdc.gov

IDPH:
www.idph.state.il.us

DuPage:
www.dupagehealth.org