



# DuPage County Health Department R E V I E W

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111 North County Farm Road  
Wheaton, IL 60187  
(630) 682-7400  
www.dupagehealth.org

Linda Kurzawa  
President, Board of Health

Maureen McHugh  
Executive Director

Rashmi Chugh, MD, MPH  
Medical Officer

## General 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) 682-7400

Tuberculosis  
(630) 682-7979, ext. 7522

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

Travel Clinic  
(630) 682-7400

Animal Care & Control  
(630) 407-2800

Please contact  
Disease Control at  
(630) 682-7979, ext. 7553 or  
ebarajas@dupagehealth.org  
to send suggestions  
or to be added to the  
distribution list.

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 HIV/AIDS

To report suspect or known cases of HIV/AIDS, please call the DuPage County Health Department at (630) 682-7979, ext. 7553.

Since 1998, December 1<sup>st</sup> has marked the observance of World AIDS Day, drawing attention to the human immunodeficiency virus/acquired immunodeficiency syndrome (HIV/AIDS) pandemic. The global theme for this year's observance is **Universal Access and Human Rights**.<sup>1</sup>

Various biologic, cultural, and political factors combine to make women especially vulnerable to HIV. In 2008, an **estimated 16.5 million women worldwide were living with HIV infection, and women and girls accounted for nearly 60% of new infections**. Additional programs are needed to reduce the risk for infection in women, including programs that reduce economic dependence and gender-based violence and increase legal protections and educational opportunities for women and girls.<sup>1</sup>

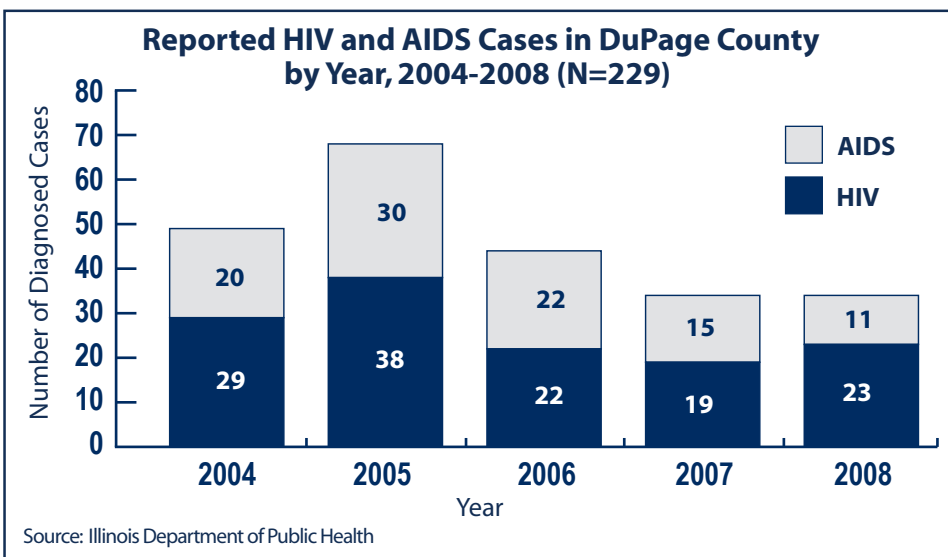
Worldwide, progress continues in providing access to treatment. At the end of 2008, approximately 4 million persons in low- and middle-income countries were receiving antiretroviral therapy, an increase of 36% from the previous year.<sup>1</sup>

In the U.S., in 2006, an estimated 1.1 million persons were living with HIV infection, and 56,300 persons were newly infected. More than 14,000 people with AIDS still die each year in the U.S. HIV infection in the U.S. disproportionately affects blacks, Hispanics, and men who have sex with men.<sup>1,2</sup>

According to estimates by Centers for Disease Control and Prevention

(CDC), **one in five persons living with HIV in the U.S. is unaware of his or her infection and may be unknowingly transmitting the virus to others**.<sup>2</sup> Since anyone can be at risk for HIV, CDC recommends that **adults and adolescents between the ages of 13 and 64 years of age be routinely screened for HIV infection in healthcare settings**.<sup>3</sup> Pregnant women in the U.S. should be screened for HIV infection as part of their **routine prenatal testing**.<sup>3</sup> With the latest CDC recommendations and the move toward HIV testing as a routine part of care, **CPT® coding guidelines for routine HIV testing in healthcare settings** have been developed for provider reimbursement.<sup>4</sup>

Once tested and HIV status is known, individuals can take steps to **protect their health through risk reduction** or, if infected, they can gain **access to clinical care**, and **help prevent the spread** of HIV to others.<sup>2</sup> Earlier diagnosis of HIV infection will **enable more persons to receive life-saving treatment**, resulting in improved health and extended life. In addition, the majority of persons who learn they have HIV infection **adopt safer behaviors**, thereby **reducing HIV transmission to others**. Finally, making HIV testing a routine part of medical care might help **reduce the stigma** that some associate with an HIV test.<sup>5</sup>



### References:

1. [www.cdc.gov/mmwr/PDF/wk/mm5846.pdf](http://www.cdc.gov/mmwr/PDF/wk/mm5846.pdf)
2. [www.cdc.gov/Features/WorldAIDSDay/](http://www.cdc.gov/Features/WorldAIDSDay/)

3. [www.cdc.gov/mmwr/pdf/rr/r5514.pdf](http://www.cdc.gov/mmwr/pdf/rr/r5514.pdf)

4. [www.ama-assn.org/ama1/pub/upload/mm/36/hiv\\_cpt\\_guidance.pdf](http://www.ama-assn.org/ama1/pub/upload/mm/36/hiv_cpt_guidance.pdf)
5. [www.cdc.gov/hiv/topics/testing/resources/qa/qa\\_professional.htm](http://www.cdc.gov/hiv/topics/testing/resources/qa/qa_professional.htm)

DUPAGE COUNTY HEALTH DEPARTMENT

CASES<sup>1</sup> OF REPORTABLE DISEASES\*

\* Last updated by the Illinois Department of Public Health in March 2008

CD REVIEW

Volume 5, No. 12 December 2009

Vaccine Preventable Diseases	Report Within	2009		2008		2007		2006		2005		Median	
		Nov	Jan - Nov	Jan - Nov	Total	Jan - Nov	Total	Jan - Nov	Total	Jan - Nov	Total	Jan - Nov	('05-'08)
Chickenpox (varicella)	24 hrs	10	138	143	173	157	177	230	252	219	232	157	205
Diphtheria	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
<i>Haemophilus influenzae</i> , invasive	24 hrs	1	9	5	6	5	5	7	7	9	10	7	7
Hepatitis A	24 hrs	3	13	15	16	23	26	10	12	8	9	13	14
Hepatitis B	7 days	2	7	4	4	8	9	3	4	6	6	6	5
Hepatitis B (carriers)	7 days	8	95	113	128	155	168	148	159	225	245	148	164
Influenza, deaths in < 18 yrs old	7 days	0	1	0	0	NR	NR	NR	NR	NR	NR	--	--
Measles (rubeola)	24 hrs	0	1	15	15	0	0	0	0	0	0	0	0
Mumps	24 hrs	0	2	2	2	13	13	123	130	0	0	2	8
<i>Neisseria meningitidis</i> , invasive	24 hrs	1	5	4	4	1	1	2	2	3	4	3	2
Pertussis (whooping cough)	24 hrs	1	22	8	13	9	9	23	26	26	29	22	28
Polioymyelitis	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
<i>Streptococcus pneumoniae</i> , invasive disease, in those < 5 yrs old	7 days	1	8	4	6	8	10	7	8	7	9	7	8
Tetanus	7 days	0	0	0	0	0	0	0	0	0	0	0	0
<b>Other Communicable Diseases</b>													
Anaplasmosis <sup>2</sup>	7 days	0	0	0	0	NR	NR	NR	NR	NR	NR	--	--
Anthrax	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Botulism, foodborne	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Botulism, other	24 hrs	0	0	0	0	1	1	0	0	0	0	0	0
Brucellosis	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
California encephalitis <sup>3</sup>	7 days	0	0	0	0	NR	NR	NR	NR	NR	NR	0	--
Cholera	24 hrs	0	0	1	1	0	0	0	0	0	0	0	0
Creutzfeldt-Jakob disease	7 days	0	0	0	0	NR	NR	1	1	NR	NR	--	--
Cryptosporidiosis	7 days	0	4	2	2	4	5	9	9	3	3	4	4
Cyclosporiasis	7 days	0	1	0	0	0	0	0	0	2	2	0	0
Ehrlichiosis <sup>2</sup>	7 days	0	0	0	0	1	1	2	2	0	0	0	1
Enteric <i>E. coli</i> infections <sup>4</sup>	24 hrs	0	9	21	21	7	7	8	8	20	20	9	14
Giardiasis	7 days	1	37	55	57	68	68	44	47	45	49	45	53
Glomerulonephritis <sup>5</sup>	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Hantavirus pulmonary syndrome	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Hemolytic uremic syndrome	24 hrs	0	0	1	1	0	0	0	0	0	0	0	0
Hepatitis C (cases & carriers)	7 days	4	201	243	261	285	301	248	272	218	235	243	267
Hepatitis D	7 days	0	0	0	0	NR	NR	NR	NR	NR	NR	--	--
Histoplasmosis	7 days	0	1	6	6	4	6	1	1	0	0	1	4
Influenza A, novel virus	3 hrs	46	172	0	0	NR	NR	NR	NR	NR	NR	--	--
Legionellosis	7 days	0	13	5	5	12	13	8	9	2	2	8	7
Leprosy	7 days	0	1	0	0	0	0	1	1	0	0	0	0
Leptospirosis	7 days	0	0	0	0	1	1	0	0	1	1	0	1
Listeriosis	7 days	0	3	1	1	1	1	5	6	2	2	2	2
Lyme disease <sup>2</sup>	7 days	0	18	16	17	16	16	10	10	11	12	16	14
Malaria	7 days	0	4	5	5	7	7	5	6	5	5	5	6
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 <sup>6</sup>	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rabies, human case	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rabies, potential exposure	24 hrs	1	14	46	46	51	52	28	28	23	24	28	37
Reye syndrome	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Rheumatic fever <sup>5</sup>	24 hrs	0	0	0	0	0	0	1	1	1	1	0	1
Rocky Mountain spotted fever <sup>2</sup>	7 days	0	0	0	0	0	0	1	1	0	0	0	0
Salmonellosis	7 days	5	83	105	108	132	140	96	103	114	120	105	114
Severe Acute Respiratory Syndrome	3 hrs	0	0	0	0	NR	NR	NR	NR	NR	NR	--	--
Shigellosis	7 days	1	13	28	28	18	18	26	27	27	29	26	28
Smallpox	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Smallpox vaccination, complications	24 hrs	0	0	0	0	NR	NR	NR	NR	NR	NR	--	--
St. Louis encephalitis <sup>3</sup>	7 days	0	0	0	0	NR	NR	NR	NR	NR	NR	--	--
<i>Staphylococcus aureus</i> , methicillin resistant (MRSA), in those < 61 days old	24 hrs	0	6	1	3	NR	NR	NR	NR	NR	NR	--	--
<i>Staphylococcus aureus</i> , methicillin resistant (MRSA), community cluster <sup>7</sup>	24 hrs	0	1	3	4	NR	NR	NR	NR	NR	NR	--	--
<i>Staphylococcus aureus</i> (vancomycin-resistant)	24 hrs	0	0	0	0	1	1	0	0	0	0	0	0
Streptococcal infections, group A invasive disease <sup>8</sup>	24 hrs	2	14	13	16	11	11	18	18	7	12	13	14
Toxic shock syndrome <sup>9</sup>	7 days	0	0	1	1	2	2	1	1	1	1	1	1
Trichinosis	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis (Category III)	7 days	1	27	42	43	27	27	39	44	29	29	29	36
Tularemia	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Typhoid fever	24 hrs	0	5	3	3	7	7	2	2	2	2	3	3
Typhus	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Vibriosis (non-cholera)	7 days	0	2	0	0	1	1	1	2	1	1	--	--
West Nile disease <sup>3</sup>	7 days	0	0	1	1	10	10	43	43	47	47	10	27
Yersiniosis	7 days	0	4	1	1	1	1	0	0	2	2	1	1
<b>STDs, HIV and AIDS</b>													
AIDS <sup>10</sup> (January - September)	7 days	--	10	0	11	5	15	10	22	18	30	10	19
Chancroid	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	7 days	59	1278	1459	1587	1311	1522	1263	1346	1194	1241	1278	1434
Gonorrhea	7 days	9	188	247	268	209	251	180	192	201	211	201	231
HIV infection <sup>10</sup> (January - September)	7 days	--	14	6	23	11	19	16	22	18	38	14	23
Syphilis	7 days	1	25	14	18	15	18	23	24	15	16	15	18

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, STDs, and HIV/AIDS**  
 (630) 682-7979, ext. 7553  
 24 hours: (630) 682-7400

**Tuberculosis**  
 (630) 682-7979, ext. 7522

- <sup>1</sup> Provisional cases, based on date of onset
  - <sup>2</sup> Listed in CD Rules and Regulations under "Tickborne Disease"
  - <sup>3</sup> Listed in CD Rules and Regulations under "Arboviral Infections"
  - <sup>4</sup> O157:H7, STEC, EIEC, ETEC, EPEC
  - <sup>5</sup> Listed in CD Rules and Regulations under "Streptococcal infections, group A invasive disease sequelae"
  - <sup>6</sup> Q fever case in 2004 not related to any suspected bioterrorism threat or event
  - <sup>7</sup> Two or more laboratory-confirmed cases of community onset MRSA infection during a 14 day period
  - <sup>8</sup> Includes streptococcal toxic shock syndrome and necrotizing fasciitis
  - <sup>9</sup> Due to *Staphylococcus aureus*
  - <sup>10</sup> HIV/AIDS data are provided quarterly by IDPH and are provisional, based on date of diagnosis
- NR = Not reported

**Websites**

- CDC:**  
[www.cdc.gov](http://www.cdc.gov)
- IDPH:**  
[www.idph.state.il.us](http://www.idph.state.il.us)
- DuPage:**  
[www.dupagehealth.org](http://www.dupagehealth.org)

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[www.dupagehealth.org/health\\_data/cd-review.html](http://www.dupagehealth.org/health_data/cd-review.html)