



El Paso County Monthly Communicable Disease Report – April, 2007

(Please distribute to all providers in your office)

Colorado Department of Public Health and Environment has analyzed **West Nile Virus (WNV)** data from mosquito and human surveillance over the past four years, which has led to a change in environmental testing plans. About half of CO human cases are infected between July and August each year, with nearly a 5 week delay before diagnosis is established and cases are reported. Previously, mosquito and bird testing was driven by onset of human cases; instead this testing should be used to help predict when human disease will occur. As a result, mosquito pool surveillance will now be conducted from June to August. The **Vector Index (VI)** can be a useful indicator of high risk of WNV transmission to humans. VI is a measure of mosquito WNV infection rate adjusted for insect population density within a given area. A VI greater than 0.75 has been used as a threshold for occurrence of human infection. VI and mosquito infection rates can also guide dissemination of prevention messages and implementation of mosquito abatement programs. For more information, go to <http://www.elpasocountyhealth.org/environment/environmentalquality.asp>.



Vaccine Preventable Diseases	FEB 2007	MAR 2007	2007 YTD	2006 Total
Diphtheria (24 hr)				
Hepatitis B (new chronic & acute)	2	4	8	81
Measles (24 hr)				
Influenza	6	15	24*	104**
Mumps	2	1	3	3
Pertussis syndrome	1	1	4	21
Poliomyelitis (24 hr)				
Rubella (24 hr)				
Rubella, congenital				
Smallpox				
Tetanus				
Varicella	17	5	28	127
Foodborne and Enteric Diseases				
Amebiasis				
Botulism (24 hr)				
Campylobacteriosis	2	2	5	58
Cholera (24 hr)				
Cryptosporidiosis	0	0	1	7
Cyclospora	0	0	0	0
E.coli 0157:H7 & other shiga toxin producing E. coli (STEC)	0	0	0	13
Giardiasis	4	4	12	41
Group Outbreaks – all causes including food poisoning (24 hr)	1	2	6	21
Hemolytic uremic synd. If ≤18 yrs	0	0	0	1
Hepatitis A (24 hr)	0	0	0	5
Listeriosis				
Salmonellosis	1	8	11	69
Shigellosis	0	0	0	12
Trichinosis				
Typhoid Fever (24 hr)	0	0	0	1#
Sexually Transmitted Diseases				
HIV infection (newly diagnosed)	1	2	3	26
Chancroid				
Gonorrhea, any site	37	28	132	702
Lymphogranuloma venereum				
Syphilis, early (1°, 2°, early latent) (24 hr)	0	0	0	4
Chlamydia trachomatis	113	83	385	2350

Zoonotic Diseases	FEB 2007	MAR 2007	2007 YTD	2006 Total
Anthrax (24 hr)				
Brucellosis	0	0	0	1
Hantavirus				
Lyme Disease				
Plague (24 hr)				
Psittacosis				
Q Fever				
Human Rabies (suspected) (24 hr)				
Relapsing Fever				
Rocky Mt. Spotted Fever				
Tularemia				
West Nile Virus	0	0	0	5
Other Meningitis/Encephalitis & Invasive Disease				
Encephalitis	1	1	3	1
Aseptic Meningitis	3	3	12	44
Haemophilus influenzae invasive disease (24 hr)	2	1	4	3
Neisseria meningitidis invasive disease (24 hr)	1	0	1	2
Transmissible Spongiform encephalopathy				
Strep. Pneumo Invasive	3	7	16	45
Other Important Reportable Diseases				
Hepatitis C (contact the STD Prog. at # below for data)				
Hepatitis, other viral	0	0	0	1
Kawasaki Syndrome	0	0	0	2
Legionnaire's Disease	1	0	1	7
Leprosy				
Malaria	0	0	1#	1#
SARS				
Toxic Shock Syndrome				
Tuberculosis (new active case) (24 hr)	1	1	3	10

*2006-2007 flu season (hospitalized cases & pediatric deaths only)

**2005-2006 flu season # not locally acquired

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 Lynn Plummer, RN, CD specialist 719 575-8612
 Tracey Lemm, RN, TB specialist 719-578-3279
 After Hours 719 385-9622

Immunizations: 719 578-3272
Environmental Health Info Line: 719 575-8636
Colorado State Health Department (CDPHE):
 Regular Weekday Hours 303 692-2700
 After Hours 303 370-9395

For questions regarding HIV/AIDS, Hepatitis C, other sexually transmitted diseases (STD), and blood-borne disease exposures, contact the **STD Program** at: **719-578-3148**

Note: 2007 reported cases are provisional.