

# WESTCHESTER COUNTY DEPARTMENT OF HEALTH QUARTERLY MORBIDITY REPORT\*

Reporting Period: First Quarter 2010 (Data as of May 27th, 2010)	Quarterly (Jan-Mar)			Cumulative (Jan. 1 - Mar. 31)			Annual Totals	
	2010	2009	2008	2010	2009	2008	2009	2008
<b>A. Vaccine-Preventable Diseases</b>								
Mumps	1	0	0	1	0	0	5	1
Pertussis	15	3	1	15	3	1	20	20
<b>B. CNS Diseases and Bacteremias</b>								
Encephalitis	1							
<i>West Nile Encephalitis (lab positive)</i>	0	0	0	0	0	0	0	2
<i>Non-West Nile Encephalitis</i>	1	2	2	1	2	2	4	3
Listeriosis	1	0	1	1	0	1	9	7
Meningitis	9	13	10	9	13	10	80	44
<i>Aseptic Meningitis</i>	6	10	4	6	10	4	62	19
<i>Meningococcal Diseases</i>	0	0	0	0	0	0	0	1
<i>Other Meningitis/Bacteremias</i> <sup>(1)</sup>	3	3	6	3	3	6	18	24
Group A Strep	11	9	9	11	9	9	25	30
Group B Strep	14	15	12	14	15	12	56	68
Invasive Strep Pneumoniae <sup>(2)</sup>	32	33	38	32	33	38	99	97
<i>Invasive Strep Pneumoniae</i>	31	33	37	31	33	37	97	93
<i>Drug-Resistant Strep Pneumoniae</i>	1	0	1	1	0	1	2	4
<b>C. Enteric Infections</b>								
Amebiasis	6	10	6	6	10	6	37	20
Campylobacteriosis	24	25	23	24	25	23	153	148
Cryptosporidiosis	3	3	0	3	3	0	9	11
Cyclosporidiosis	0	0	0	0	0	0	4	2
Giardiasis	18	28	22	18	28	22	107	83
Salmonellosis	34	24	21	34	24	21	129	149
Shigellosis	7	7	4	7	7	4	38	26
STEC (E. Coli 0157) <sup>(3)</sup>	3	3	2	3	3	2	17	22
Hemolytic Uremic Syndrome <sup>(4)</sup>	0	0	0	0	0	0	2	1
Typhoid	0	0	0	0	0	0	0	1
Vibriosis	0	0	0	0	0	0	6	0
Yersiniosis	0	0	0	0	0	0	1	1
<b>D. Viral Hepatitis</b>								
Hepatitis A	0	3	5	0	3	5	7	14
Hepatitis B	5	8	86	5	8	86	38	173
<i>Acute</i>	0	1	2	0	1	2	3	9
<i>Chronic</i> <sup>(5,6)</sup>	5	7	84	5	7	84	35	164
Hepatitis C	0	0	223	0	0	223	29	411
<i>Acute</i>	0	0	0	0	0	0	0	0
<i>Chronic</i> <sup>(5,6)</sup>	0	0	223	0	0	223	29	411
<b>E. Sexually Transmitted Diseases</b>								
Chlamydia <sup>(7)</sup>	650	690	649	650	690	649	2,761	2,560
Lymphogranuloma Venereum	0	0	0	0	0	0	3	2
Gonorrhea	126	86	83	126	86	83	376	375
Syphilis (All Stages) <sup>(8)</sup>	27	45	46	27	45	46	161	187
<i>All other</i>	18	33	33	18	33	33	106	135
Early Syphilis	9	12	13	9	12	13	55	52
<i>Primary and Secondary</i>	5	8	7	5	8	7	27	26
<i>Early Latent</i>	4	4	6	4	4	6	28	26
Congenital Syphilis	1	1	2	1	1	2	1	2

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	2010	2009	2008	2010	2009	2008	2009	2008
<b>F. Tuberculosis</b>	9	14	11	9	14	11	40	62
<b>G. Vector-Borne, Zoonoses</b>								
Babesiosis <sup>(6)</sup>	0	1	1	0	1	1	57	36
Ehrlichiosis <sup>(6)</sup>	0	1	2	0	1	2	35	35
Lyme Disease <sup>(9)</sup>	17	16	26	17	16	26	207	263
<i>Sentinel Surveillance Cases</i>	17	13	21	17	13	21	164	221
<i>Non-Sentinel Surveillance Cases</i>	0	3	5	0	3	5	43	42
Malaria	0	1	0	0	4	0	7	3
Post-Exposure Prophylaxis for Rabies <sup>(10)</sup>	37	20	32	37	20	32	258	359
<b>H. Others</b>								
Legionellosis	4	2	4	4	2	4	22	31
Toxic Shock Syndrome <sup>(11)</sup>	3	3	0	3	3	0	0	0

\*The Quarterly Morbidity Report lists the diseases that are reportable according to the New York State law. Cases are reported by the month of diagnosis if available. If not, a report date is assigned to the case by first symptom date, date reported to the Health Department, date when a supplemental file was created, or date when the Health Department received the record. Diseases with no cases reported for two years prior, are not included. Some disease categories may include probable cases.

1. As of January 2009, "other meningitis/bacteremias" do not include meningitis caused by Haemophilus influenzae Type B, Group A Strep, Group B Strep or Strep Pneumo.

2. Beginning in January 2000, Invasive Strep Pneumoniae includes Invasive Strep Pneumoniae (Sensitive), Bacteremia and Meningitis. In prior years, only Pneumococcal Meningitis was reportable.

3. Shiga toxin producing E. Coli (STEC); may include non-0157 shiga toxin producing strains of E. Coli.

4. Some Hemolytic Uremic Syndrome cases are also reported as STEC (E. coli 0157).

5. Chronic Hepatitis B and C became reportable in NYS in June 2002.

6. Incomplete data due to surveillance limitations.

7. Total Chlamydia cases do not include LGV.

8. Total syphilis cases do not include congenital syphilis.

9. Lyme disease totals includes number of confirmed cases from sentinel surveillance, erythema migrans (EM) rash and provider reporting. Sentinel surveillance randomly extracts 20% of cases reported to WCDOH through the Electronic Clinical Laboratory Reporting System (ECLRS)

10. The number of individuals to whom rabies post-exposure prophylaxis has been distributed.

11. Some Toxic Shock Syndrome cases are also reported as Group A Strep and Group B Strep.

## Comments from the Division of Disease Control

### Jan – Mar 2010 QMR Comments

- Changes for a single reporting period must generally be further monitored to assess significance.
- When numbers are low, minor variations can appear significant.
- The incidence of most diseases fluctuate naturally, are often temporally clustered without necessarily having any significance.

**Pertussis:** An increase in cases (15) was identified during the first quarter of 2010, compared with 3 and 1 cases during the same time period in 2009 and 2008. This likely represents the natural periodic increase in disease every 3-5 years that has been observed since the early 1980s; the last peak in pertussis cases was observed in 2004 (with 81 cases for that year).

**Chronic Hepatitis -** Decreases in 2009 and 2010 compared with 2008 reflects NYSDOH's inability to assist with the investigation and data entry of such reports, beginning in 2009.

The decreases in total syphilis cases and increase in gonorrhea cases in 2010 compared with 2009 and 2008 may represent natural fluctuations in disease incidence and will be monitored. Early syphilis has been increased for the past several years in NYC and surrounding areas; the decrease in syphilis, but not the increase in GC, year to date, has been observed throughout the region.