

**County of Orange Health Care Agency**

**Epidemiology and Assessment**

CASES AND CASE RATES (PER 100,000 POPULATION) OF REPORTABLE DISEASES THROUGH THE SECOND QUARTER OF  
2004-2008

<b>Quarter 2 through June 28<sup>1</sup></b>	<b>2004</b>		<b>2005</b>		<b>2006</b>		<b>2007<sup>2</sup></b>		<b>2008<sup>2</sup></b>	
<b>JANUARY 1 POPULATION*</b>	<b>3,017,390</b>		<b>3,045,218</b>		<b>3,066,483</b>		<b>3,089,707</b>		<b>3,121,251</b>	
<b>DISEASE</b>	<b>NUMBER</b>	<b>RATE<sup>3</sup></b>	<b>NUMBER</b>	<b>RATE<sup>3</sup></b>	<b>NUMBER</b>	<b>RATE<sup>3</sup></b>	<b>NUMBER</b>	<b>RATE<sup>3</sup></b>	<b>NUMBER</b>	<b>RATE<sup>3</sup></b>
Amebiasis	7	0.5	6	0.4	1	--	6	0.4	8	0.5
Botulism	0	--	0	--	2	--	4	--	1	--
Botulism-Infant	0	--	0	--	0	--	1	--	0	--
Brucellosis	0	--	0	--	2	--	0	--	2	--
Campylobacteriosis	103	6.8	77	5.1	93	6.1	150	9.7	145	9.3
Chancroid	0	--	0	--	0	--	0	--	0	--
Chlamydial Infection	3,161	209.5	3,678	241.6	3,404	222.0	3,912	253.2	4,303	275.7
Cholera	0	--	0	--	0	--	0	--	0	--
Coccidioidomycosis	16	1.1	15	1.0	21	1.4	15	1.0	21	1.3
Conjunctivitis, Newborn	0	--	0	--	0	--	1	--	0	--
Creutzfeldt-Jakob Disease <sup>4</sup>	NA	--	NA	--	NA	--	NA	--	0	--
Cryptosporidiosis	3	--	3	--	5	0.3	4	--	6	0.4
Cysticercosis	3	--	6	0.4	6	0.4	1	--	3	--
Dengue	2	--	0	--	0	--	1	--	2	--
Encephalitis, Total	12	0.8	16	1.1	13	0.8	9	0.6	14	0.9
Encephalitis, Bacterial	0	--	0	--	0	--	0	--	0	--
Encephalitis, Fungal	0	--	0	--	0	--	0	--	0	--
Encephalitis, Unknown	10	0.7	12	0.8	10	0.7	8	0.5	11	0.7
Encephalitis, Viral	2	--	4	--	3	--	1	--	3	--
<i>Escherichia coli</i> / Shiga Toxin Producing Infection - Total	5	0.3	1	--	2	--	22	1.4	4	--
<i>E. coli</i> O157:H7 Infection	3	--	0	--	2	--	20	1.3	3	--
<i>E. coli</i> Shiga Toxin Producing	1	--	0	--	0	--	1	--	1	--
<i>E. coli</i> / Shiga Toxin Producing Infection with Hemolytic Uremic Syndrome	1	--	1	--	0	--	1	--	0	--
Giardiasis	47	3.1	39	2.6	49	3.2	62	4.0	68	4.4
Gonococcal Infection	462	30.6	551	36.2	557	36.3	437	28.3	464	29.7
<i>Haemophilus influenzae</i> , Invasive Disease, less than 18 years of age	3	--	3	--	8	0.5	0	--	4	--
Hemolytic Uremic Syndrome	1	--	0	--	0	--	0	--	0	--
Hepatitis A	21	1.4	19	1.2	22	1.4	15	1.0	10	0.6
Hepatitis B, Acute	13	0.9	5	0.3	8	0.5	8	0.5	4	--
Hepatitis B, Chronic <sup>5</sup>	499	33.1	271	17.8	684	44.6	483	31.3	177	11.3
Hepatitis B, Perinatal	2	--	2	--	0	--	1	--	2	--
Hepatitis C, Acute	4	--	0	--	0	--	3	--	1	--
Hepatitis C, Chronic <sup>6</sup>	736	48.8	63	4.1	77	5.0	117	7.6	12	0.8
Hepatitis D (Delta)	0	--	0	--	0	--	0	--	0	--
Hepatitis, Other/Unspecified	2	--	1	--	3	--	1	--	4	--
Kawasaki Syndrome	11	0.7	14	0.9	11	0.7	13	0.8	10	0.6
Legionellosis	4	--	5	0.3	8	0.5	6	0.4	7	0.4
Leprosy (Hansen's Disease)	0	--	0	--	0	--	0	--	0	--
Listeriosis	7	0.5	3	--	3	--	2	--	3	--
Lyme Disease	0	--	0	--	2	--	0	--	1	--
Malaria	6	0.4	5	0.3	7	0.5	1	--	0	--
Measles (Rubeola)	0	--	0	--	0	--	0	--	0	--
Meningitis, Total	211	14.0	90	5.9	74	4.8	78	5.0	98	6.3
Meningitis, Bacterial	5	0.3	11	0.7	11	0.7	6	0.4	6	0.4
Meningitis, Fungal	11	0.7	6	0.4	4	--	7	0.5	5	0.3
Meningitis, Parasitic	0	--	0	--	0	--	0	--	0	--
Meningitis, Unknown	3	--	0	--	1	--	1	--	0	--
Meningitis, Other	0	--	0	--	0	--	0	--	0	--
Meningitis, Viral (Aseptic)	192	12.7	73	4.8	58	3.8	64	4.1	87	5.6
Meningococcal Disease, Total	13	0.9	6	0.4	10	0.7	10	0.6	4	--
Mumps	1	--	1	--	0	--	0	--	0	--
Outbreaks, Total	27	1.8	18	1.2	40	2.6	36	2.3	38	2.4
Foodborne Disease Outbreaks	16	1.1	8	0.5	10	0.7	3	--	1	--
Other Outbreaks	11	0.7	10	0.7	30	2.0	33	2.1	37	2.4
Paragonimiasis	0	--	0	--	0	--	1	--	1	--
Pelvic Inflammatory Disease	22	1.5	25	1.6	20	1.3	27	1.7	23	1.5

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JANUARY 1 POPULATION*	3,017,390		3,045,218		3,066,483		3,089,707		3,121,251	
DISEASE	NUMBER	RATE <sup>3</sup>	NUMBER	RATE <sup>3</sup>	NUMBER	RATE <sup>3</sup>	NUMBER	RATE <sup>3</sup>	NUMBER	RATE <sup>3</sup>
Pertussis (Whooping Cough)	41	2.7	34	2.2	27	1.8	8	0.5	12	0.8
Psittacosis	0	--	0	--	0	--	0	--	0	--
Q-fever	0	--	0	--	0	--	0	--	0	--
Relapsing Fever	0	--	0	--	0	--	0	--	0	--
Reye Syndrome	0	--	0	--	0	--	0	--	0	--
Rheumatic Fever, Acute	0	--	0	--	0	--	0	--	0	--
Rocky Mountain Spotted Fever	0	--	0	--	0	--	0	--	0	--
Rubella (German Measles)	0	--	0	--	0	--	0	--	0	--
Rubella Syndrome, Congenital	0	--	0	--	0	--	0	--	0	--
Salmonellosis (Non-Typhoid Fever)	118	7.8	80	5.3	103	6.7	115	7.4	90	5.8
Scombroid Fish Poisoning	1	--	0	--	0	--	0	--	0	--
Shigellosis, Total	36	2.4	38	2.5	27	1.8	16	1.0	26	1.7
<i>Shigella dysenteriae</i> - A	0	--	0	--	1	--	0	--	0	--
<i>Shigella flexneri</i> - B	16	1.1	19	1.2	14	0.9	10	0.6	10	0.6
<i>Shigella boydii</i> - C	3	--	0	--	0	--	0	--	0	--
<i>Shigella sonnei</i> - D	17	1.1	19	1.2	12	0.8	6	0.4	16	1.0
<i>Shigella</i> , Species Unknown	0	--	0	--	0	--	0	--	0	--
Streptococcal Infection, Invasive Group A	13	0.9	24	1.6	20	1.3	26	1.7	22	1.4
<i>Streptococcus pneumoniae</i> Invasive Disease	85	5.6	60	3.9	67	4.4	78	5.0	82	5.3
Syphilis, Total, All Stages	144	9.5	179	11.8	144	9.4	204	13.2	142	9.1
Syphilis, Congenital	2	--	2	--	1	--	2	--	1	--
Syphilis, Early Latent	11	0.7	27	1.8	28	1.8	41	2.7	30	1.9
Syphilis, Latent	7	0.5	8	0.5	11	0.7	12	0.8	5	0.3
Syphilis, Late Latent	106	7.0	93	6.1	62	4.0	77	5.0	58	3.7
Syphilis, Primary	5	0.3	17	1.1	12	0.8	15	1.0	14	0.9
Syphilis, Secondary	13	0.9	32	2.1	30	2.0	57	3.7	34	2.2
Syphilis, Other	0	--	0	--	0	--	0	--	0	--
Taeniasis	0	--	2	--	0	--	0	--	1	--
Tetanus	0	--	1	--	1	--	0	--	0	--
Toxic Shock Syndrome (TSS)	5	0.3	2	--	1	--	2	--	4	--
Staphylococcal TSS	2	--	1	--	1	--	1	--	2	--
Streptococcal TSS	3	--	1	--	0	--	1	--	2	--
Toxoplasmosis	1	--	0	--	2	--	4	--	2	--
Tuberculosis <sup>7</sup>	59	3.9	46	3.0	83	5.4	63	4.1	78	5.0
Tularemia	0	--	0	--	0	--	0	--	0	--
Typhoid Fever, Carrier	2	--	0	--	0	--	0	--	1	--
Typhoid Fever, Case	0	--	3	--	0	--	3	--	1	--
Typhus Fever	0	--	0	--	0	--	1	--	8	0.5
Varicella hospitalization	3	--	2	--	2	--	4	--	1	--
<i>Vibrio</i> Infections	1	--	1	--	0	--	2	--	1	--
Waterborne Outbreaks	0	--	0	--	0	--	0	--	0	--
West Nile Infections, Total	0	--	0	--	0	--	0	--	0	--
West Nile Neuroinvasive Disease	0	--	0	--	0	--	0	--	0	--
West Nile Fever	0	--	0	--	0	--	0	--	0	--
West Nile Asymptomatic	0	--	0	--	0	--	0	--	0	--
West Nile Acute Flaccid Paralysis	0	--	0	--	0	--	0	--	0	--
Yersiniosis	1	--	5	0.3	5	0.3	8	0.5	5	0.3

<sup>1</sup> Quarters correspond to CDC disease weeks, which approximate calendar quarters but may include or omit the first/last week of each.

<sup>2</sup> 2007 and 2008 data are considered preliminary.

<sup>3</sup> Rates are annualized quarterly rates per 100,000 population; rates are not calculated for diseases with less than five reported cases.

<sup>4</sup> Creutzfeldt-Jakob Disease became reportable as of August 2007

<sup>5</sup> From September 2004 through October 2005, and from July 2007 to the present, E&A stopped reporting chronic hepatitis B except for cases that meet selected criteria.

<sup>6</sup> In September 2004, E&A stopped reporting chronic hepatitis C except for cases that meet selected criteria.

<sup>7</sup> The number of tuberculosis cases is higher since 2006 due to more timely case report completion and reporting to California Department of Public Health.

\*Source: Population Data from State of California, Department of Finance, E-4 Population Estimates for Cities, Counties and the State, 2001-2008, with 2000 Benchmark. Sacramento, California, May 2008.

Communicable Diseases Data from County of Orange Health Care Agency, Epidemiology & Assessment Unit, Weekly Morbidity Data, October 2008