County of Orange Health Care Agency
Epidemiology and Assessment
CASES AND CASE RATES (PER 100,000 POPULATION) OF REPORTABLE DISEASES
THROUGH THE FIRST QUARTER OF 2007-2011

Quarter 1 through April 2 [1]	2007		2008		2009 [2]		2010		2011 [3]	
JANUARY 1 POPULATION*	2,960,659		2,974,321		2,990,805		3,008,855		3,029,859	
DISEASE	NUMBER	RATE [4]	NUMBER	RATE [4]	NUMBER	RATE [4]	NUMBER	RATE [4]	NUMBER	RATE [4]
Amebiasis	1	--	4	--	3	--	2	--	1	--
Botulism	1	--	0	--	0	--	0	--	1	--
Brucellosis	0	--	1	--	0	--	0	--	0	--
Campylobacteriosis	46	6.2	59	7.9	50	6.7	93	12.4	68	9.0
Chancroid	0	--	0	--	0	--	0	--	0	--
Chlamydial Infection	1,832	247.5	1,926	259.0	2,032	271.8	2,159	287.0	1,959	258.6
Cholera	0	--	0	--	0	--	0	--	0	--
Coccidioidomycosis	8	1.1	7	0.9	3	--	5	0.7	13	1.7
Creutzfeldt-Jakob Disease [5]	NA	--	0	--	0	--	0	--	0	--
Cryptosporidiosis	2	--	3	--	2	--	5	0.7	2	--
Cysticercosis	1	--	2	--	0	--	2	--	1	--
Dengue	1	--	2	--	0	--	0	--	0	--
Encephalitis, Total	2	--	4	--	4	--	5	0.7	2	--
Encephalitis, Bacterial	0	--	0	--	1	--	0	--	0	--
Encephalitis, Fungal	0	--	0	--	0	--	0	--	0	--
Encephalitis, Unknown	2	--	2	--	2	--	2	--	1	--
Encephalitis, Viral	0	--	2	--	1	--	3	--	1	--
Escherichia coli / Shiga Toxin Producing Infection - Total	1	--	3	--	2	--	0	--	2	--
E. coli O157:H7 Infection	0	--	2	--	2	--	0	--	0	--
E. coli Shiga Toxin Producing (non-O157)	1	--	1	--	0	--	0	--	2	--
E. coli / Shiga Toxin Producing Infection with Hemolytic Uremic Syndrome	0	--	0	--	0	--	0	--	0	--
Giardiasis	35	4.7	28	3.8	33	4.4	28	3.7	41	5.4
Gonococcal Infection	195	26.3	230	30.9	211	28.2	236	31.4	255	33.7
Haemophilus influenzae, Invasive Disease, less than 15 years of age	0	na	3	na	1	na	0	na	0	na
Hemolytic Uremic Syndrome (non-*E. coli*)	0	--	0	--	0	--	0	--	0	--
Hepatitis A	6	0.8	5	0.7	3	--	5	0.7	1	--
Hepatitis B, Acute	5	0.7	1	--	3	--	5	0.7	1	--
Hepatitis B, Perinatal	1	na	2	na	0	na	2	na	2	na
Hepatitis C, Acute	0	--	0	--	0	--	1	--	0	--
Hepatitis D (Delta)	0	--	0	--	0	--	1	--	0	--
Legionellosis	2	--	3	--	1	--	4	--	7	0.9
Leprosy (Hansen's Disease)	0	--	0	--	0	--	0	--	0	--
Listeriosis	1	--	0	--	0	--	0	--	0	--
Lyme Disease	0	--	1	--	0	--	0	--	0	--
Malaria	0	--	0	--	0	--	0	--	1	--
Measles (Rubeola)	0	--	0	--	0	--	0	--	0	--
Meningitis, Total	30	4.1	41	5.5	24	3.2	35	4.7	49	6.5
Meningitis, Bacterial	1	--	3	--	1	--	5	0.7	6	0.8
Meningitis, Fungal	3	--	1	--	1	--	0	--	4	--
Meningitis, Parasitic	0	--	0	--	0	--	0	--	0	--
Meningitis, Unknown	0	--	0	--	0	--	0	--	0	--
Meningitis, Other	0	--	0	--	0	--	0	--	0	--
Meningitis, Viral (Aseptic)	26	3.5	37	5.0	22	2.9	30	4.0	39	5.1
Meningococcal Disease, Total	5	0.7	4	--	0	--	2	--	1	--
Mumps	0	--	0	--	0	--	0	--	0	--
Outbreaks, Total	15	na	24	na	14	na	21	na	10	na
Foodborne Disease Outbreaks	0	na	0	na	1	na	2	na	0	na
Other Outbreaks	15	na	24	na	13	na	19	na	10	na
Paragonimiasis	1	--	0	--	0	--	0	--	0	--
Pelvic Inflammatory Disease	11	na	7	na	7	na	1	na	3	na
Pertussis (Whooping Cough)	1	--	9	1.2	0	--	9	1.2	53	7.0
Psittacosis	0	--	0	--	0	--	0	--	0	--
Q-fever	0	--	0	--	0	--	0	--	0	--

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JANUARY 1 POPULATION*	2,960,659		2,974,321		2,990,805		3,008,855		3,029,859	
DISEASE	NUMBER	RATE [4]	NUMBER	RATE [4]	NUMBER	RATE [4]	NUMBER	RATE [4]	NUMBER	RATE [4]
Relapsing Fever	0	--	0	--	0	--	0	--	0	--
Reye Syndrome	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)	40	5.4	47	6.3	37	4.9	45	6.0	50	6.6
Scombroid Fish Poisoning	0	--	0	--	0	--	0	--	0	--
Shigellosis, Total	5	0.7	6	0.8	11	1.5	3	--	4	--
Shigella dysenteriae - A	0	--	0	--	0	--	0	--	0	--
Shigella flexneri - B	4	--	1	--	5	0.7	1	--	2	--
Shigella boydii - C	0	--	0	--	0	--	0	--	0	--
Shigella sonnei - D	1	--	5	0.7	6	0.8	2	--	2	--
Shigella, Species Unknown	0	--	0	--	0	--	0	--	0	--
Streptococcal Infection, Invasive Group A	9	1.2	11	1.5	11	1.5	4	--	14	1.8
Streptococcus pneumoniae Invasive Disease	43	5.8	55	7.4	27	3.6	23	3.1	54	7.1
Syphilis, Total, All Stages	82	11.1	99	13.3	73	9.8	69	9.2	71	9.4
Syphilis, Congenital	1	--	1	--	1	--	1	--	0	--
Syphilis, Early Latent	17	2.3	21	2.8	15	2.0	15	2.0	5	0.7
Syphilis, Latent	2	--	4	--	7	0.9	8	1.1	22	2.9
Syphilis, Late Latent	30	4.1	47	6.3	22	2.9	25	3.3	33	4.4
Syphilis, Primary	8	1.1	7	0.9	7	0.9	4	--	3	--
Syphilis, Secondary	24	3.2	19	2.6	21	2.8	16	2.1	12	1.6
Syphilis, Other	0	--	0	--	0	--	0	--	0	--
Taeniasis	0	--	0	--	0	--	0	--	1	--
Tetanus	0	--	0	--	0	--	0	--	0	--
Toxic Shock Syndrome - Staphylococcal	1	--	1	--	0	--	0	--	1	--
Tuberculosis	22	3.0	29	3.9	19	2.5	24	3.2	43	5.7
Tularemia	0	--	0	--	0	--	0	--	0	--
Typhoid Fever, Carrier	0	--	1	--	0	--	0	--	0	--
Typhoid Fever, Case	0	--	0	--	0	--	0	--	0	--
Typhus Fever	1	--	8	1.1	0	--	1	--	3	--
Varicella Hospitalization	1	--	1	--	1	--	1	--	1	--
Vibrio Infections	0	--	0	--	0	--	1	--	0	--
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	2	--	2	--	4	--	1	--	3	--

[1] Quarters correspond to CDC disease weeks, which approximate calendar quarters but may include or omit the first/last week of each.
[2] Due to CDC Calendar for 2009 Q1=weeks 1-12, Q2=weeks 13-25, Q3= 26-39 and Q4= 40-52.
[3] 2011 data is considered preliminary.
[4] Rates are annualized quarterly rates per 100,000 population; rates are not calculated for diseases with less than five reported cases and for conditions without the same denominator such as *H. influenzae*, perinatal hepatitis B, pelvic inflamatory disease and outbreaks.
[5] Creutzfeldt-Jakob Disease became reportable as of August 2007.

*Source: State of California, Department of Finance, E-4 Population Estimates for Cities, Counties and the State, 2001-2010, with 2000 & 2010 Census Counts. Sacramento, California, August 2011. (These DOF Estimates are updated to be based on 2010 US Census data)
State of California, Department of Finance, E-1 Population Estimates for Cities, Counties and the State with Annual Percent Change—January 1, 2010 and 2011. Sacramento, California, May 2011. (These DOF Estimates are updated to be based on 2010 US Census data)
Communicable Diseases Data from County of Orange Health Care Agency, Epidemiology & Assessment Unit, Weekly Morbidity Data, October 2011