



**COUNTY OF ORANGE
HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
EPIDEMIOLOGY & ASSESSMENT**

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Number of Cases & Incidence Rates of Reportable Diseases, 2011-2015

MID-YEAR POPULATION*	2011 3,051,472		2012 3,086,260		2013 3,113,370		2014 3,139,615		2015 3,165,203	
	NUMBER	RATE ¹	NUMBER	RATE ¹	NUMBER	RATE ¹	NUMBER	RATE ¹	NUMBER	RATE ¹
Amebiasis	7	0.2	15	0.5	16	0.5	19	0.6	13	0.4
Botulism - Total	1	--	0	--	0	--	3	--	3	--
Brucellosis	0	--	1	--	0	--	2	--	5	0.2
Campylobacteriosis	333	10.9	423	13.7	358	11.5	403	12.8	398	12.6
Chancroid	0	--	0	--	0	--	0	--	0	--
Chlamydial Infection	7,861	257.6	8,690	281.6	8,565	275.1	9,313	296.6	11,459	362.0
Cholera	0	--	0	--	0	--	0	--	0	--
Coccidioidomycosis	94	3.1	123	4.0	80	2.6	78	2.5	186	5.9
Chikungunya ²	--	--	--	--	--	--	8	--	24	0.8
Creutzfeldt-Jakob Disease	4	--	2	--	2	--	1	--	4	--
Cryptosporidiosis	23	0.8	29	0.9	22	0.7	24	0.8	27	0.9
Cysticercosis	1	--	0	--	0	--	3	--	4	--
Dengue	4	--	6	0.2	7	0.2	17	0.5	12	0.4
Encephalitis, Total	28	0.9	21	0.7	21	0.7	19	0.6	17	0.5
Encephalitis, Bacterial	0	--	4	--	1	--	2	--	2	--
Encephalitis, Fungal	1	--	0	--	0	--	3	--	1	--
Encephalitis, Other/Unknown	21	0.7	7	0.2	9	0.3	6	0.2	13	0.4
Encephalitis, Viral	6	0.2	10	0.3	11	0.4	8	0.3	1	--
<i>Escherichia coli</i> / Shiga Toxin Producing Infection - Total	37	1.2	54	1.7	50	1.6	29	0.9	52	1.6
<i>E. coli</i> O157:H7 Infection	5	0.2	19	0.6	22	0.7	9	0.3	13	0.4
<i>E. coli</i> Shiga Toxin Producing (non-O157)	32	1.0	33	1.1	27	0.9	20	0.6	39	1.2
<i>E. coli</i> / Shiga Toxin Producing Infection with Hemolytic Uremic Syndrome (HUS)	0	--	2	--	1	--	0	--	0	--
Giardiasis	138	4.5	105	3.4	152	4.9	125	4.0	126	4.0
Gonococcal Infection	975	32.0	1,165	37.7	1,454	46.7	1,780	56.7	2,317	73.2
<i>Haemophilus influenzae</i> , Invasive Disease, less than 15 years of age	1	--	1	--	0	--	1	--	2	--
Hemolytic Uremic Syndrome (non- <i>E. coli</i> or STEC)	0	--	2	--	0	--	0	--	0	--
Hepatitis A	15	0.5	24	0.8	24	0.8	15	0.5	17	0.5
Hepatitis B, Acute	12	0.4	8	0.3	12	0.4	8	0.3	10	0.3
Hepatitis B, Perinatal	3	--	3	--	1	--	2	--	2	--
Hepatitis C, Acute	7	0.2	8	0.3	14	0.4	6	0.2	5	0.2
Hepatitis D (Delta)	2	--	1	--	0	--	0	--	0	--
Legionellosis	31	1.0	22	0.7	16	0.5	33	1.1	33	1.0
Leprosy (Hansen's Disease)	1	--	4	--	1	--	0	--	2	--
Listeriosis	11	0.4	4	--	6	0.2	13	0.4	12	0.4
Lyme Disease	10	0.3	1	--	0	--	0	--	0	--
Malaria	8	0.3	6	0.2	7	0.2	2	--	9	0.3
Measles (Rubeola)	1	--	0	--	1	--	23	0.7	35	1.1
Meningitis, Total	198	6.5	262	8.5	329	10.6	287	9.1	275	8.7
Meningitis, Bacterial	31	1.0	28	0.9	38	1.2	41	1.3	40	1.3
Meningitis, Fungal	11	0.4	5	0.2	14	0.4	14	0.4	13	0.4
Meningitis, Parasitic	0	--	0	--	0	--	0	--	1	--
Meningitis, Unknown	0	--	0	--	0	--	0	--	0	--
Meningitis, Other	0	--	0	--	0	--	0	--	0	--
Meningitis, Viral (Aseptic)	156	5.1	229	7.4	277	8.9	232	7.4	221	7.0
Meningococcal Disease, Total	9	0.3	4	--	5	0.2	3	--	2	--
Mumps	3	--	3	--	2	--	8	0.3	5	0.2
Outbreaks, Total	161	--	156	--	173	--	130	--	150	--
Foodborne Disease Outbreaks	39	--	37	--	23	--	25	--	33	--
Other Outbreaks	122	--	119	--	150	--	105	--	117	--
Waterborne Outbreaks	0	--	0	--	0	--	0	--	0	--

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DISEASE	NUMBER	RATE ¹	NUMBER	RATE ¹	NUMBER	RATE ¹	NUMBER	RATE ¹	NUMBER	RATE ¹
Pelvic Inflammatory Disease	6	--	2	--	4	--	5	--	7	--
Pertussis (Whooping Cough)	153	5.0	53	1.7	93	3.0	407	13.0	138	4.4
Psittacosis	0	--	0	--	0	--	0	--	0	--
Q-Fever	1	--	1	--	1	--	1	--	1	--
Relapsing Fever	0	--	0	--	0	--	3	--	0	--
Reye Syndrome	0	--	0	--	0	--	0	--	0	--
Rocky Mountain Spotted Fever	0	--	1	--	0	--	1	--	2	--
Rubella (German Measles)	0	--	0	--	0	--	0	--	0	--
Rubella Syndrome, Congenital	0	--	0	--	0	--	0	--	0	--
Salmonellosis (Non-Typhoid Fever)	318	10.4	448	14.5	398	12.8	417	13.3	489	15.4
Scombroid Fish Poisoning	4	--	4	--	6	0.2	6	0.2	3	--
Shigellosis, Total	64	2.1	66	2.1	70	2.2	83	2.6	69	2.2
<i>Shigella dysenteriae</i> , Group A	0	--	0	--	0	--	0	--	0	--
<i>Shigella flexneri</i> , Group B	17	0.6	16	0.5	31	1.0	21	0.7	14	0.4
<i>Shigella boydii</i> , Group C	1	--	1	--	5	0.2	1	--	0	--
<i>Shigella sonnei</i> , Group D	46	1.5	46	1.5	32	1.0	61	1.9	54	1.7
<i>Shigella</i> - Species Unknown	0	--	3	--	2	--	0	--	1	--
Streptococcal Infection, Food & Dairy Workers ³	0	--	0	--	0	--	0	--	0	--
Syphilis, Total, All Stages	239	7.8	235	7.6	563	18.1	552	17.6	742	23.4
Syphilis, Congenital	0	--	0	--	4	--	3	--	4	--
Syphilis, Early Latent	42	1.4	49	1.6	113	3.6	140	4.5	208	6.6
Syphilis, Latent	45	1.5	26	0.8	79	2.5	69	2.2	63	2.0
Syphilis, Late Latent	86	2.8	54	1.7	144	4.6	137	4.4	201	6.4
Syphilis, Primary	18	0.6	28	0.9	63	2.0	72	2.3	92	2.9
Syphilis, Secondary	48	1.6	78	2.5	137	4.4	128	4.1	164	5.2
Syphilis, Other	0	--	0	--	23	--	3	--	10	0.3
Taeniasis	2	--	0	--	0	--	0	--	0	--
Tetanus	1	--	1	--	0	--	2	--	1	--
Toxic Shock Syndrome - <i>Staphylococcus</i>	1	--	1	--	1	--	2	--	1	--
Tularemia	0	--	0	--	0	--	0	--	0	--
Typhoid Fever, Carrier	0	--	0	--	0	--	0	--	0	--
Typhoid Fever, Case	4	--	5	0.2	4	--	3	--	2	--
Typhus and Other Non-Spotted Fever Rickettsioses ⁴	15	0.5	29	0.9	32	1.0	16	0.5	17	0.5
Varicella Hospitalization	3	--	7	0.2	2	--	5	0.2	8	0.3
<i>Vibrio</i> Infections (non-Cholera)	13	0.4	14	0.5	17	0.5	21	0.7	29	0.9
West Nile Infections, Total	11	0.4	48	1.6	12	0.4	280	8.9	97	3.1
West Nile Neuroinvasive Disease	10	0.3	26	0.8	9	0.3	198	6.3	71	2.2
West Nile Fever	0	--	16	0.5	1	--	66	2.1	21	0.7
West Nile Asymptomatic/Blood Donor Positive	1	--	6	0.2	2	--	16	0.5	5	0.2
Yersiniosis	14	0.5	20	0.6	9	0.3	1	--	14	0.4
Zika Virus Infection ⁵	--	--	--	--	--	--	--	--	0	--

¹ Rates are per 100,000 population; rates are not calculated for diseases with less than five reported cases and for conditions with different denominators such as *H. influenzae*, perinatal hepatitis B, pelvic inflammatory disease and outbreaks.

² Beginning January 2014, CA-DPH made Chikungunya became a reportable disease.

³ In July 2011, CA-DPH changed this condition to include only reports of dairy workers and food handlers.

⁴ In July 2011, CA-DPH expanded the reportable disease criteria to include Rickettsial diseases other than Typhus Fever. Prior to July 2011, the Rickettsial Disease (non-RMSF) category only contained reports of Typhus Fever.

⁵ Beginning March 2016, CA-DPH made Zika Virus Infection became a reportable disease.

Tuberculosis (TB) case counts and rates are available on the TB Fact Sheet, which can be found on the Pulmonary Disease Services website at <http://ohealthinfo.com/phs/about/dcepi/tb>

Human Immunodeficiency Virus and Acquired Immune Deficiency Syndrome (HIV/AIDS) case counts and rates are available on the HIV/AIDS fact sheet, which can be found on the HIV Planning and Coordination website at <http://ohealthinfo.com/phs/about/dcepi/hiv>

*Source: State of California, Department of Finance, Population Estimates and Components of Change by County, July 1, 2010-2015. Sacramento, California, December 2015.

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