

County of Orange Health Care Agency
Epidemiology and Assessment
CASES AND CASE RATES (PER 100,000 POPULATION) OF REPORTABLE DISEASES
2003-2007

| MID-YEAR POPULATION* | YEAR | | 2003 | | 2004 | | 2005 | | 2006 | | 2007** | |
|---|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|--------|------|
| | 3,001,168 | | 3,033,026 | | 3,056,814 | | 3,075,341 | | 3,098,183 | | | |
| DISEASE | NUMBER | RATE | NUMBER | RATE | NUMBER | RATE | NUMBER | RATE | NUMBER | RATE | NUMBER | RATE |
| Amebiasis | 11 | 0.4 | 16 | 0.5 | 11 | 0.4 | 11 | 0.4 | 18 | 0.6 | | |
| Botulism | 1 | 0.0 | 1 | 0.0 | 5 | 0.2 | 11 | 0.4 | 6 | 0.2 | | |
| Botulism-Infant | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 0.1 | | |
| Brucellosis | 0 | 0.0 | 2 | 0.1 | 0 | 0.0 | 4 | 0.1 | 1 | 0.0 | | |
| Campylobacteriosis | 245 | 8.2 | 234 | 7.7 | 195 | 6.4 | 237 | 7.7 | 345 | 11.1 | | |
| Chancroid | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Chlamydial Infection (corrected) ¹ | 6,405 | 213.4 | 6,214 | 204.9 | 7,813 | 255.6 | 7,969 | 259.1 | 8,322 | 268.6 | | |
| Cholera | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Coccidioidomycosis | 24 | 0.8 | 33 | 1.1 | 40 | 1.3 | 41 | 1.3 | 30 | 1.0 | | |
| Conjunctivitis, Newborn | 4 | 0.1 | 2 | 0.1 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | | |
| Cryptosporidiosis | 21 | 0.7 | 14 | 0.5 | 8 | 0.3 | 16 | 0.5 | 24 | 0.8 | | |
| Cysticercosis | 13 | 0.4 | 12 | 0.4 | 8 | 0.3 | 11 | 0.4 | 7 | 0.2 | | |
| Dengue | 2 | 0.1 | 4 | 0.1 | 5 | 0.2 | 1 | 0.0 | 2 | 0.1 | | |
| Echinococcosis (Hydatid Disease) | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | | |
| Encephalitis, Total | 16 | 0.5 | 31 | 1.0 | 39 | 1.3 | 30 | 1.0 | 25 | 0.8 | | |
| Encephalitis, Fungal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | | |
| Encephalitis, Unknown | 14 | 0.5 | 28 | 0.9 | 32 | 1.0 | 23 | 0.7 | 21 | 0.7 | | |
| Encephalitis, Viral | 2 | 0.1 | 3 | 0.1 | 7 | 0.2 | 6 | 0.2 | 4 | 0.1 | | |
| <i>Escherichia Coli</i> O157:H7 Infection | 24 | 0.8 | 17 | 0.6 | 8 | 0.3 | 11 | 0.4 | 37 | 1.2 | | |
| <i>Escherichia Coli</i> Shiga Toxin Producing | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 0.2 | | |
| Foodborne Disease Outbreaks | 44 | 1.5 | 49 | 1.6 | 29 | 0.9 | 43 | 1.4 | 36 | 1.2 | | |
| Giardiasis | 124 | 4.1 | 95 | 3.1 | 107 | 3.5 | 140 | 4.6 | 184 | 5.9 | | |
| Gonococcal Infection (corrected) ¹ | 920 | 30.7 | 908 | 29.9 | 1,243 | 40.7 | 1,048 | 34.1 | 996 | 32.1 | | |
| <i>Haemophilus influenzae</i> | 5 | 0.2 | 3 | 0.1 | 6 | 0.2 | 10 | 0.3 | 2 | 0.1 | | |
| Hemolytic Uremic Syndrome | 4 | 0.1 | 2 | 0.1 | 1 | 0.0 | 0 | 0.0 | 4 | 0.1 | | |
| Hepatitis A | 77 | 2.6 | 39 | 1.3 | 58 | 1.9 | 39 | 1.3 | 32 | 1.0 | | |
| Hepatitis B ² | 28 | 0.9 | 32 | 1.1 | 10 | 0.3 | 26 | 0.8 | 23 | 0.7 | | |
| Hepatitis B, Chronic ³ | 1,298 | 43.2 | 1,021 | 33.7 | 764 | 25.0 | 1,528 | 49.7 | 861 | 27.8 | | |
| Hepatitis C | 3 | 0.1 | 5 | 0.2 | 2 | 0.1 | 1 | 0.0 | 5 | 0.2 | | |
| Hepatitis C, Chronic ⁴ | 1,841 | 61.3 | 994 | 32.8 | 125 | 4.1 | 192 | 6.2 | 170 | 5.5 | | |
| Hepatitis D (Delta) | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Hepatitis Non-A, Non-B | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | | |
| Hepatitis, Other | 11 | 0.4 | 4 | 0.1 | 1 | 0.0 | 5 | 0.2 | 5 | 0.2 | | |
| Hepatitis, Unspecified | 2 | 0.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Kawasaki Syndrome | 24 | 0.8 | 26 | 0.9 | 26 | 0.9 | 24 | 0.8 | 26 | 0.8 | | |
| Legionellosis | 5 | 0.2 | 9 | 0.3 | 11 | 0.4 | 16 | 0.5 | 17 | 0.5 | | |
| Leprosy (Hansen's Disease) | 0 | 0.0 | 0 | 0.0 | 4 | 0.1 | 1 | 0.0 | 0 | 0.0 | | |
| Leptospirosis | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Listeriosis | 5 | 0.2 | 14 | 0.5 | 7 | 0.2 | 12 | 0.4 | 7 | 0.2 | | |
| Lyme Disease | 2 | 0.1 | 1 | 0.0 | 2 | 0.1 | 4 | 0.1 | 2 | 0.1 | | |
| Malaria | 12 | 0.4 | 14 | 0.5 | 11 | 0.4 | 8 | 0.3 | 6 | 0.2 | | |
| Measles (Rubeola) | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | | |
| Meningitis, Total | 648 | 21.6 | 559 | 18.4 | 342 | 11.2 | 209 | 6.8 | 266 | 8.6 | | |
| Meningitis, Bacterial | 34 | 1.1 | 16 | 0.5 | 29 | 0.9 | 26 | 0.8 | 26 | 0.8 | | |
| Meningitis, Fungal | 17 | 0.6 | 18 | 0.6 | 12 | 0.4 | 8 | 0.3 | 13 | 0.4 | | |
| Meningitis, Parasitic | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Meningitis, Unknown | 1 | 0.0 | 4 | 0.1 | 0 | 0.0 | 2 | 0.1 | 6 | 0.2 | | |
| Meningitis, Other | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Meningitis, Viral (Aseptic) | 596 | 19.9 | 521 | 17.2 | 301 | 9.8 | 173 | 5.6 | 221 | 7.1 | | |
| Meningococcal Disease, Total | 16 | 0.5 | 18 | 0.6 | 8 | 0.3 | 14 | 0.5 | 13 | 0.4 | | |
| Meningococcal Meningitis | 4 | 0.1 | 7 | 0.2 | 2 | 0.1 | 5 | 0.2 | 8 | 0.3 | | |
| Meningococcal Infection, Other Invasive | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Meningococccemia | 12 | 0.4 | 11 | 0.4 | 6 | 0.2 | 9 | 0.3 | 5 | 0.2 | | |
| Mumps | 3 | 0.1 | 2 | 0.1 | 3 | 0.1 | 2 | 0.1 | 0 | 0.0 | | |

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|--|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|--------|------|
| | 3,001,168 | | 3,033,026 | | 3,056,814 | | 3,075,341 | | 3,098,183 | | | |
| DISEASE | NUMBER | RATE | NUMBER | RATE | NUMBER | RATE | NUMBER | RATE | NUMBER | RATE | NUMBER | RATE |
| Non-Gonococcal Urethritis ⁵ | 554 | 18.5 | 468 | 15.4 | 444 | 14.5 | 618 | 20.1 | 198 | 6.4 | | |
| Pelvic Inflammatory Disease | 38 | 1.3 | 46 | 1.5 | 61 | 2.0 | 41 | 1.3 | 46 | 1.5 | | |
| Pertussis (Whooping Cough) | 92 | 3.1 | 111 | 3.7 | 120 | 3.9 | 58 | 1.9 | 24 | 0.8 | | |
| Psittacosis | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | | |
| Q-fever | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Rat Bite Fever | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Relapsing Fever | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | | |
| Reye Syndrome | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Rheumatic Fever, Acute | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Rocky Mountain Spotted Fever | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | | |
| Rubella (German Measles) | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Rubella Syndrome, Congenital | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Salmonellosis (Non-Typhoid Fever) | 250 | 8.3 | 305 | 10.1 | 327 | 10.7 | 356 | 11.6 | 286 | 9.2 | | |
| Schistosomal Dermatitis | 0 | 0.0 | 3 | 0.1 | 1 | 0.0 | 0 | 0.0 | 1 | 0.0 | | |
| Scombroid Fish Poisoning | 6 | 0.2 | 7 | 0.2 | 3 | 0.1 | 2 | 0.1 | 5 | 0.2 | | |
| Shigellosis, Total | 121 | 4.0 | 124 | 4.1 | 140 | 4.6 | 84 | 2.7 | 74 | 2.4 | | |
| Shigella A - Dysenteriae | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | | |
| Shigella B - Flexneri | 47 | 1.6 | 38 | 1.3 | 46 | 1.5 | 33 | 1.1 | 25 | 0.8 | | |
| Shigella C - Boydii | 3 | 0.1 | 5 | 0.2 | 1 | 0.0 | 0 | 0.0 | 2 | 0.1 | | |
| Shigella D - Sonnei | 70 | 2.3 | 81 | 2.7 | 92 | 3.0 | 50 | 1.6 | 47 | 1.5 | | |
| Shigella, Species Unknown | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Streptococcal Infection, Invasive Group A | 46 | 1.5 | 39 | 1.3 | 41 | 1.3 | 40 | 1.3 | 42 | 1.4 | | |
| Streptococcus Pneumoniae Invasive Disease ⁶ | 19 | 0.6 | 141 | 4.6 | 96 | 3.1 | 106 | 3.4 | 109 | 3.5 | | |
| Syphilis, Total, All Stages | 262 | 8.7 | 284 | 9.4 | 354 | 11.6 | 283 | 9.2 | 382 | 12.3 | | |
| Syphilis, Congenital | 3 | 0.1 | 5 | 0.2 | 3 | 0.1 | 6 | 0.2 | 3 | 0.1 | | |
| Syphilis, Early Latent | 25 | 0.8 | 28 | 0.9 | 49 | 1.6 | 56 | 1.8 | 69 | 2.2 | | |
| Syphilis, Latent | 11 | 0.4 | 15 | 0.5 | 17 | 0.6 | 25 | 0.8 | 33 | 1.1 | | |
| Syphilis, Late Latent | 182 | 6.1 | 191 | 6.3 | 187 | 6.1 | 116 | 3.8 | 136 | 4.4 | | |
| Syphilis, Primary | 18 | 0.6 | 15 | 0.5 | 26 | 0.9 | 25 | 0.8 | 35 | 1.1 | | |
| Syphilis, Secondary | 20 | 0.7 | 29 | 1.0 | 71 | 2.3 | 54 | 1.8 | 106 | 3.4 | | |
| Syphilis, Other | 3 | 0.1 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | | |
| Taeniasis | 2 | 0.1 | 0 | 0.0 | 2 | 0.1 | 0 | 0.0 | 0 | 0.0 | | |
| Tetanus | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | | |
| Toxic Shock Syndrome | 6 | 0.2 | 13 | 0.4 | 5 | 0.2 | 2 | 0.1 | 3 | 0.1 | | |
| Toxoplasmosis | 1 | 0.0 | 1 | 0.0 | 3 | 0.1 | 6 | 0.2 | 6 | 0.2 | | |
| Trichinosis | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Tularemia | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Typhoid Fever, Carrier | 0 | 0.0 | 3 | 0.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| Typhoid Fever, Case | 9 | 0.3 | 6 | 0.2 | 9 | 0.3 | 3 | 0.1 | 6 | 0.2 | | |
| Typhus Fever | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 6 | 0.2 | | |
| Varicella Hospitalizations or Deaths | 1 | 0.0 | 7 | 0.2 | 5 | 0.2 | 8 | 0.3 | 9 | 0.3 | | |
| Vibrio Infections | 6 | 0.2 | 8 | 0.3 | 8 | 0.3 | 13 | 0.4 | 13 | 0.4 | | |
| Waterborne Outbreaks | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | | |
| West Nile Infections - Total | NA | NA | 62 | 2.0 | 17 | 0.6 | 7 | 0.2 | 10 | 0.3 | | |
| West Nile Neuroinvasive Disease | NA | NA | 33 | 1.1 | 11 | 0.4 | 4 | 0.1 | 6 | 0.2 | | |
| West Nile Fever | NA | NA | 28 | 0.9 | 4 | 0.1 | 2 | 0.1 | 3 | 0.1 | | |
| West Nile Asymptomatic/Blood Donor Positive | NA | NA | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | | |
| West Nile Acute Flaccid Paralysis | NA | NA | 1 | 0.0 | 2 | 0.1 | 0 | 0.0 | 0 | 0.0 | | |
| Yersiniosis | 6 | 0.2 | 12 | 0.4 | 9 | 0.3 | 11 | 0.4 | 19 | 0.6 | | |

¹ Significant delays in reporting resulted in 2004 incident cases being reported in 2005; this report reallocated cases from 2005 to 2004.

² Includes cases of perinatal Hepatitis B: 2 in 2003, 3 in 2004, 4 in 2005, 2 in 2006 and 4 in 2007.

³ From September 2004 through October 2005, and July 2007, E&A temporarily stopped reporting chronic hepatitis B except for mothers of childbearing age

⁴ In September 2004, E&A stopped reporting chronic hepatitis C except for cases that meet selected criteria.

⁵ In August 2007, non-gonococcal urethritis stopped being a reportable condition in the state of California.

⁶ Streptococcus Pneumoniae Invasive Disease became a reportable disease in Orange County as of August 2003.

** 2007 data is considered preliminary

AIDS and HIV statistics can be obtained by referring to the HIV Planning and Coordination website at <http://www.ochealthinfo.com/public/hiv/>

*Source: Population Data from State of California, Department of Finance, California County Population Estimates, July 1, 2000-2007.

Sacramento, CA, December 2007.

Reportable Diseases Data from County of Orange Health Care Agency, Epidemiology & Assessment Unit, Weekly Morbidity Data, 2003-2007.