State of Alaska Epidemiology



Bulletin

Department of Health and Social Services

William J. Streur, Commissioner

3601 C Street, Suite 540 Anchorage, AK 99503

http://www.epi.Alaska.gov

Division of Public Health

Ward B. Hurlburt, MD, MPH, CMO/Director

Local (907) 269-8000

24 Hour Emergency 1-800-478-0084

Editors:

Michael Cooper, MD, MS Louisa Castrodale, DVM, MPH

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2011 Annual (January–December) Infectious Disease Report

Confirmed cases of infectious diseases reported to the Alaska Section of Epidemiology (SOE) from January 1 – December 31, 2011 are presented in the following Table. There were no cases of several reportable diseases; for a complete list of diseases mandated by regulation to be reported to Alaska public health authorities, see: http://www.epi.alaska.gov/pubs/conditions/

In many instances, case-patients had illness onset in 2011; however, cases without a known onset date are attributed to the date of specimen collection, diagnosis, or report to SOE, whichever was earliest. National reporting standards assign cases to the patient's state of residence. Case definitions are available at: http://www.cdc.gov/osels/ph_surveillance/nndss/casedef/case_definitions.htm

This Table includes both military and civilian reports. Because not all reportable conditions are diagnosed or reported, these figures represent trends for some diseases rather than the actual incidence or burden.

| | Southwest | | Northern | | Interior | | Anch/Mat-Su | | Gulf Coast | | Southeast | | Total* | |
|--|-----------|------|----------|------|----------|------|-------------|------|------------|------|-----------|------|---------|------|
| Disease Name | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| AIDS† | 0 | 2 | 0 | 0 | 3 | 1 | 8 | 6 | 4 | 2 | 1 | 1 | 34 | 28 |
| Botulism | 5 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 |
| Campylobacteriosis | 19 | 6 | 0 | 2 | 15 | 21 | 59 | 61 | 17 | 18 | 4 | 17 | 114 | 126§ |
| Chicken Pox | 2 | 0 | 1 | 0 | 6 | 10 | 26 | 11 | 3 | 8 | 8 | 6 | 46 | 35 |
| Chlamydia trachomatis infection | 732 | 732 | 593 | 555 | 908 | 900 | 3087 | 2994 | 281 | 293 | 433 | 339 | 6034 | 5813 |
| Cryptosporidiosis | 1 | 2 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 1 | 4 | 5 | 8 | 12 |
| Echinococcosis | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 2 |
| Escherichia coli O157:H7 infection | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 2 | 4 |
| GAS invasive disease | 3 | 8 | 2 | 6 | 6 | 6 | 18 | 45 | 3 | 4 | 7 | 4 | 39 | 73 |
| GBS invasive disease | 3 | 1 | 3 | 0 | 2 | 5 | 32 | 21 | 1 | 5 | 5 | 6 | 46 | 39§ |
| Giardiasis | 3 | 3 | 2 | 2 | 8 | 9 | 48 | 46 | 9 | 10 | 28 | 30 | 98 | 101§ |
| Gonorrhea | 344 | 265 | 197 | 131 | 173 | 244 | 538 | 327 | 14 | 17 | 11 | 9 | 1277 | 993 |
| Haemophilus influenzae invasive disease | 12 | 10 | 5 | 0 | 3 | 1 | 6 | 10 | 1 | 3 | 1 | 2 | 28 | 26 |
| Hepatitis A | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 1 | 4 | 4 |
| Hepatitis B | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 3 | 0 | 0 | 5 | 3 |
| Hepatitis C¶ | 16 | 31 | 10 | 17 | 75 | 96 | 398 | 416 | 79 | 117 | 85 | 113 | 663 | 961§ |
| HIV infection (includes AIDS cases above)† | 1 | 2 | 0 | 0 | 4 | 8 | 33 | 13 | 4 | 3 | 2 | 2 | 79 | 61 |
| Legionellosis | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Listeriosis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Lyme Disease** | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 4 | 3 | 0 | 2 | 8 | 8 |
| Malaria** | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 2 | 0 | 1 | 0 | 0 | 5 | 5 |
| Meningococcal invasive disease | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 2 |
| Mumps | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Paralytic shellfish poisoning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 13 | 6 | 13 |
| Pertussis | 1 | 0 | 0 | 1 | 4 | 1 | 26 | 13 | 8 | 6 | 5 | 3 | 44 | 24 |
| Pneumococcal invasive disease | 19 | 11 | 6 | 3 | 20 | 20 | 47 | 77 | 8 | 16 | 10 | 11 | 110 | 138 |
| Rabies (animal) | 3 | 2 | 10 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 13 | 14 |
| Rheumatic fever | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Salmonellosis | 4 | 2 | 3 | 3 | 10 | 8 | 49 | 33 | 12 | 2 | 2 | 7 | 80 | 55 |
| Shigellosis | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 1 | 3 | 5 |
| Syphilis | 0 | 1 | 0 | 0 | 1 | 2 | 14 | 12 | 2 | 0 | 1 | 0 | 18 | 15 |
| Tuberculosis | 15 | 18 | 11 | 7 | 11 | 6 | 18 | 30 | 0 | 5 | 2 | 1 | 57 | 67 |
| Tularemia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vibriosis | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 2 | 2 |
| Yersiniosis | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| Population estimates as of July 1, 2011 | 41,613 | | 26,965 | | 112,170 | | 387,894 | | 80,022 | | 73,526 | | 722,190 | |

Notes:

- *Counts are provisional and may be updated as additional data become available.
- †Individuals reported during this period for the first time with HIV or AIDS.
- §Annual case counts include illnesses diagnosed in patients for whom official residence was unknown; therefore statewide totals may not equal the sum by region.
- ¶Numbers for hepatitis C represent prevalent cases during each time period not incidence of new cases.
- **Most infections were acquired in Alaska; however, there are some infectious pathogens that are not known to be naturally present in Alaska.

