

National Notifiable Infectious Diseases and Conditions: United States

TABLE 5. Reported cases of notifiable diseases and rates per 100,000, by sex, excluding U.S. territories - - United States, 2017
(Accessible Version: <https://wonder.cdc.gov/nndss/static/2017/annual/2017-table5.html>)

Disease	Female		Male		Sex not stated	Total
	No.	Rate	No.	Rate	No.	No.
Anthrax	—	—	—	—	—	—
Arboviral diseases						
Chikungunya virus disease	80	0.05	76	0.05	—	156
Eastern equine encephalitis virus disease						
Neuroinvasive	3	0.00	2	0.00	—	5
Non-neuroinvasive	—	—	—	—	—	—
Jamestown Canyon virus disease						
Neuroinvasive	25	0.02	33	0.02	—	58
Non-neuroinvasive	4	0.00	13	0.01	—	17
La Crosse virus disease						
Neuroinvasive	29	0.02	34	0.02	—	63
Non-neuroinvasive	—	—	—	—	—	—
Powassan virus disease						
Neuroinvasive	5	0.00	28	0.02	—	33
Non-neuroinvasive	1	0.00	—	—	—	1
St. Louis encephalitis virus disease						
Neuroinvasive	2	0.00	4	0.00	—	6
Non-neuroinvasive	1	0.00	4	0.00	—	5
West Nile virus disease						
Neuroinvasive	515	0.31	910	0.57	—	1,425
Non-neuroinvasive	281	0.17	391	0.24	—	672
Western equine encephalitis virus disease						
Neuroinvasive	—	—	—	—	—	—
Non-neuroinvasive	—	—	—	—	—	—
Babesiosis						
Total	827	0.65	1,540	1.24	1	2,368
Confirmed	674	0.53	1,320	1.06	—	1,994
Probable	153	0.12	220	0.18	1	374
Botulism						
Total	83	0.05	94	0.06	—	177
Foodborne	8	0.00	11	0.01	—	19
Infant *	69	3.59	68	3.37	—	137
Other (wound & unspecified)	6	0.00	15	0.01	—	21
Brucellosis	59	0.04	81	0.05	—	140
Campylobacteriosis	31,857	19.27	35,549	22.16	131	67,537
Chancroid	3	0.00	4	0.00	—	7
<i>Chlamydia trachomatis</i> infection	1,127,651	682.14	577,644	360.11	3,274	1,708,569
Cholera	3	0.00	7	0.00	—	10
Coccidioidomycosis †	5,919	8.92	8,423	12.96	22	14,364
Cryptosporidiosis						
Total	6,031	3.65	5,366	3.35	17	11,414
Confirmed	4,220	2.55	3,808	2.37	15	8,043
Probable	1,811	1.10	1,558	0.97	2	3,371
Cyclosporiasis	666	0.44	522	0.36	6	1,194
Dengue virus infections §						
Dengue	212	0.13	225	0.14	—	437
Dengue-like illness	3	0.00	5	0.00	—	8
Severe dengue	4	0.00	5	0.00	—	9
Diphtheria	—	—	—	—	—	—
Ehrlichiosis and Anaplasmosis						
<i>Anaplasma phagocytophilum</i> infection	2,190	1.37	3,564	2.31	8	5,762
<i>Ehrlichia chaffeensis</i> infection	651	0.41	988	0.64	3	1,642
<i>Ehrlichia ewingii</i> infection	13	0.01	32	0.02	—	45

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Disease	Female		Male		Sex not stated	Total
	No.	Rate	No.	Rate	No.	No.
Undetermined ehrlichiosis/anaplasmosis	123	0.08	146	0.10	—	269
Giardiasis	5,792	4.46	9,354	7.43	47	15,193
Gonorrhea	232,587	140.70	322,169	200.84	852	555,608
<i>Haemophilus influenzae</i> , invasive disease						
All ages, all serotypes	3,082	1.86	2,443	1.52	23	5,548
Age <5 years ¶¶						
Serotype b	17	0.17	16	0.16	—	33
Non-b serotype	81	0.83	108	1.06	—	189
Nontypeable	89	0.91	111	1.09	—	200
Unknown serotype	91	0.93	110	1.08	2	203
Hansen's disease	27	0.02	50	0.03	17	94
Hantavirus infection, non-hantavirus pulmonary syndrome	1	0.00	1	0.00	—	2
Hantavirus pulmonary syndrome	14	0.01	19	0.01	—	33
Hemolytic uremic syndrome post-diarrheal	173	0.11	165	0.11	—	338
Hepatitis **						
A, acute	1,149	0.70	2,208	1.38	8	3,365
B, acute	1,301	0.79	2,095	1.31	13	3,409
B, perinatal infection ††	13	0.34	18	0.45	—	31
C, acute	1,824	1.16	2,381	1.56	20	4,225
Confirmed	1,428	0.91	1,775	1.16	10	3,213
Probable	396	0.25	606	0.40	10	1,012
Human immunodeficiency virus diagnoses	6,428	3.89	27,510	17.15	—	33,938
Influenza-associated pediatric mortality §§	70	0.19	56	0.15	—	126
Invasive pneumococcal disease ¶¶¶						
All ages	9,573	7.76	10,109	8.47	98	19,780
Confirmed	9,499	7.70	10,024	8.40	97	19,620
Probable	74	0.06	85	0.07	1	160
Age <5 years ¶¶	528	0.40	700	0.55	6	1,234
Confirmed	522	6.69	692	8.48	6	1,220
Probable	6	0.08	8	0.10	—	14
Legionellosis	2,865	1.73	4,589	2.86	4	7,458
Leptospirosis	18	0.01	54	0.04	—	72
Listeriosis	482	0.29	401	0.25	4	887
Lyme disease						
Total	17,710	10.76	24,392	15.27	641	42,743
Confirmed	12,152	7.38	16,920	10.60	441	29,513
Probable	5,558	3.38	7,472	4.68	200	13,230
Malaria	756	0.46	1,296	0.81	4	2,056
Measles						
Total	52	0.03	66	0.04	2	120
Indigenous	40	0.02	57	0.04	2	99
Imported	12	0.01	9	0.01	—	21
Meningococcal disease						
All serogroups	168	0.10	184	0.11	1	353
Serogroups ACWY	54	0.03	53	0.03	—	107
Serogroup B	44	0.03	46	0.03	—	90
Other serogroups	11	0.01	14	0.01	—	25
Unknown serogroup	59	0.04	71	0.04	1	131
Mumps	2,766	1.67	3,336	2.08	7	6,109
Novel Influenza A virus infections	34	0.02	32	0.02	—	66
Pertussis	10,348	6.26	8,589	5.35	38	18,975
Plague	2	0.00	3	0.00	—	5
Poliomyelitis, paralytic	—	—	—	—	—	—
Poliovirus infection, nonparalytic	—	—	—	—	—	—
Psittacosis	4	0.00	1	0.00	—	5
Q fever						
Total	51	0.03	142	0.09	—	193

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Disease	Female		Male		Sex not stated	Total
	No.	Rate	No.	Rate	No.	No.
Acute	35	0.02	118	0.07	—	153
Chronic	16	0.01	24	0.02	—	40
Rabies						
Human	2	0.00	—	—	—	2
Rubella	4	0.00	3	0.00	—	7
Rubella, congenital syndrome *	2	0.10	3	0.15	—	5
Salmonellosis	28,850	17.45	25,195	15.71	240	54,285
Severe acute respiratory syndrome-associated coronavirus disease	—	—	—	—	—	—
Shiga toxin-producing <i>Escherichia coli</i> ***	4,527	2.74	4,127	2.57	18	8,672
Shigellosis	6,628	4.01	8,232	5.13	52	14,912
Smallpox	—	—	—	—	—	—
Spotted fever rickettsiosis						
Total	2,289	1.39	3,956	2.48	3	6,248
Confirmed	64	0.04	112	0.07	—	176
Probable	2,225	1.35	3,844	2.41	3	6,072
Streptococcal toxic shock syndrome	167	0.16	205	0.20	—	372
Syphilis						
Total, all stages	18,146	10.98	82,314	51.32	1,107	101,567
Congenital *	—	—	—	—	918	918
Primary and secondary	3,722	2.25	26,885	16.76	37	30,644
Tetanus	17	0.01	16	0.01	—	33
Toxic shock syndrome (other than Streptococcal)	20	0.02	9	0.01	1	30
Trichinellosis	5	0.00	10	0.01	—	15
Tuberculosis	3,515	2.13	5,584	3.48	6	9,105
Tularemia	94	0.06	145	0.09	—	239
Typhoid fever	191	0.12	227	0.14	1	419
Vancomycin-intermediate <i>Staphylococcus aureus</i>	43	0.03	65	0.05	1	109
Vancomycin-resistant <i>Staphylococcus aureus</i>	—	—	3	0.00	—	3
Varicella morbidity	4,281	3.17	4,446	3.39	48	8,775
Varicella mortality	U	U	U	U	U	U
Vibriosis						
Total	812	0.50	1,266	0.80	7	2,085
Confirmed	525	0.32	965	0.61	7	1,497
Probable	287	0.18	301	0.19	—	588
Viral hemorrhagic fevers						
Crimean-Congo hemorrhagic fever virus	—	—	—	—	—	—
Ebola virus	—	—	—	—	—	—
Guanarito virus	—	—	—	—	—	—
Junin virus	—	—	—	—	—	—
Lassa virus	—	—	—	—	—	—
Lujo virus	—	—	—	—	—	—
Machupo virus	—	—	—	—	—	—
Marburg virus	—	—	—	—	—	—
Sabia virus	—	—	—	—	—	—
Yellow fever	—	—	—	—	—	—
Zika virus						
Zika virus disease, congenital *,†††	7	0.36	15	0.74	—	22
Zika virus disease, non-congenital	324	0.20	173	0.11	—	497
Zika virus infection, congenital *,†††	8	0.42	9	0.45	—	17
Zika virus infection, non-congenital	599	0.36	42	0.03	—	641

—: No reported cases — The reporting jurisdiction did not submit any cases to CDC.

U: Unavailable — The data are unavailable.

* The rate is calculated using population less than 1 year of age.

† Reportable in <25 states.

§ Total number of reported laboratory-positive dengue cases, including all confirmed cases [by anti-dengue virus (DENV) molecular diagnostic methods or seroconversion of anti-DENV IgM] and all probable cases (by a single, positive anti-DENV IgM).

¶ The rate is calculated using population less than 5 years of age.

** Chronic hepatitis B and C data are not included in NNDSS tables but reported case counts are included in the annual Summary of Viral

Hepatitis, published online by CDC's Division of Viral Hepatitis, available at <https://www.cdc.gov/hepatitis/statistics/2016surveillance/index.htm>.

†† The rate is calculated using population less than 2 years of age.

§§ The rate is calculated using population less than 18 years of age.

¶¶¶ Includes drug resistant and susceptible cases of Invasive Pneumococcal Disease. This condition was previously named *Streptococcus pneumoniae* invasive disease and cases were reported to CDC using different event codes to specify whether the cases were drug resistant or in a defined age group, such as <5 years.

*** Includes *Escherichia coli* O157:H7 and Shiga toxin-positive *Escherichia coli* (including O157, non-O157, and not serogrouped).

††† Data reported to ArboNET using the national surveillance case definition for congenital Zika virus disease or infection (CSTE Position Statement 16-ID-01). Additional data reported to the US Zika Pregnancy Registry for outcomes of pregnancies with laboratory evidence of possible Zika virus infection are available at <https://www.cdc.gov/pregnancy/zika/data/pregnancy-outcomes.html>. Cases reported to the US Zika Pregnancy Registry might not meet the national surveillance case definition for congenital Zika virus disease or infection.

Notes:

- These are **annual** cases of selected infectious national notifiable diseases from the National Notifiable Diseases Surveillance System (NNDSS). NNDSS data reported by the 50 states, New York City, the District of Columbia, and the U.S. territories are collated and published. Cases are reported by state health departments to CDC weekly. Because source datasets may be updated as additional information is received, statistics in publications based on that source data may differ from what is presented in these tables.
- The list of national notifiable infectious diseases and conditions for 2017 and their national surveillance case definitions are available at <https://www.cdc.gov/nndss/conditions/notifiable/2017/infectious-diseases/>. This list incorporates the Council of State and Territorial Epidemiologists (CSTE) position statements approved in 2016 by CSTE for national surveillance, that were implemented in January 2017, including updated surveillance case definitions for salmonellosis, shigellosis, vibriosis, perinatal hepatitis B virus infection, invasive pneumococcal disease, Lyme disease, and tularemia reported through August 7, 2018. Publication criteria for the finalized 2017 data are available at https://wonder.cdc.gov/nndss/documents/2017_NNDSS_Publication_Criteria.pdf. See also [Guide to Interpreting Provisional and Finalized NNDSS Data](#).
- Population estimates for incidence rates are July 1st, 2017 estimates obtained from the National Center for Health Statistics (NCHS) postcensal estimates of the resident population of the United States for April 1, 2010 - July 1, 2017, by year, county, single year of age (range: 0 to 85 years), bridged-race (white, black or African American, American Indian or Alaska Native, Asian, or Pacific Islander), Hispanic ethnicity (not Hispanic or Latino, Hispanic or Latino), and sex (Vintage 2017), prepared under a collaborative arrangement with the U.S. Census Bureau. Population estimates for states released June 27, 2018 are available at https://www.cdc.gov/nchs/nvss/bridged_race/data_documentation.htm. Population estimates for territories are the 2017 mid-year estimates from the U.S. Census Bureau International Data Base, accessed on October 2, 2018 at <https://www.census.gov/data-tools/demo/idb/informationGateway.php>. The choice of population denominators for incidence is based on the availability of population data at the time of publication preparation.
- Annual tables for 2016 and later years are available on [CDC WONDER](#).
- Annual summary reports from 1993-2015 are available as published in the *MMWR*.
- NNDSS annual tables since 1952 are available at [CDC Stacks](#) (once in CDC Stacks select "Annual Reports" in the "Genre" box to the left).

Suggested Citation:

- Centers for Disease Control and Prevention. National Notifiable Diseases Surveillance System, 2017 Annual Tables of Infectious Disease Data. Atlanta, GA. CDC Division of Health Informatics and Surveillance, 2018. Available at: <https://www.cdc.gov/nndss/infectious-tables.html>.

National Notifiable Diseases Surveillance System

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