

# Nationally Notifiable Infectious Diseases and Conditions, United States: Annual Tables

TABLE 6. Reported cases of notifiable diseases and rates per 100,000, by race\*, excluding U.S. territories - - United States, 2016  
(Accessible Version: <https://wonder.cdc.gov/nndss/static/2016/annual/2016-table6.html>)

Disease	American Indian or Alaska Native		Asian or Pacific Islander		Black		White		Other Race	Race not stated	Total
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	No.	No.
Anthrax	—	—	—	—	—	—	—	—	—	—	—
Arboviral diseases											
Chikungunya virus disease	—	—	65	0.32	14	0.03	79	0.03	18	71	247
Eastern equine encephalitis virus disease											
Neuroinvasive	S	S	S	S	S	S	S	S	S	S	7
Non-neuroinvasive	—	—	—	—	—	—	—	—	—	—	—
Jamestown Canyon virus disease											
Neuroinvasive	S	S	S	S	S	S	S	S	S	S	7
Non-neuroinvasive	S	S	S	S	S	S	S	S	S	S	8
La Crosse virus disease											
Neuroinvasive	—	—	—	—	—	—	25	0.01	—	6	31
Non-neuroinvasive	S	S	S	S	S	S	S	S	S	S	4
Powassan virus disease											
Neuroinvasive	S	S	S	S	S	S	S	S	S	S	21
Non-neuroinvasive	S	S	S	S	S	S	S	S	S	S	1
St. Louis encephalitis virus disease											
Neuroinvasive	S	S	S	S	S	S	S	S	S	S	7
Non-neuroinvasive	S	S	S	S	S	S	S	S	S	S	1
West Nile virus disease											
Neuroinvasive	11	0.24	12	0.06	63	0.14	920	0.36	35	267	1,308
Non-neuroinvasive	5	0.11	6	0.03	21	0.05	600	0.24	11	198	841
Western equine encephalitis virus disease											
Neuroinvasive	—	—	—	—	—	—	—	—	—	—	—
Non-neuroinvasive	—	—	—	—	—	—	—	—	—	—	—
Babesiosis											
Total	7	0.26	44	0.28	41	0.14	1,150	0.63	19	649	1,910
Confirmed	4	0.15	44	0.28	36	0.12	947	0.52	16	538	1,585
Probable	3	0.11	—	—	5	0.02	203	0.11	3	111	325
Botulism											
Total	5	0.11	9	0.04	19	0.04	123	0.05	3	42	201
Foodborne	3	0.06	2	0.01	12	0.03	9	0.00	—	5	31
Infant †	1	1.29	7	2.80	5	0.73	96	3.24	3	32	144
Other (wound & unspecified)	1	0.02	—	—	2	0.00	18	0.01	—	5	26
Brucellosis	2	0.04	4	0.02	3	0.01	85	0.03	15	18	127
Campylobacteriosis	479	10.35	1,582	7.72	2,721	6.01	36,747	14.54	3,189	15,402	60,120
Chancroid §	S	S	S	S	S	S	S	S	S	S	7
<i>Chlamydia trachomatis</i> infection §	18,735	404.63	25,594	124.92	452,165	998.00	519,401	205.54	80,410	502,049	1,598,354
Cholera	S	S	S	S	S	S	S	S	S	S	15
Coccidioidomycosis ¶	167	7.03	332	3.45	431	3.02	3,659	3.49	542	6,698	11,829
Cryptosporidiosis											
Total	106	2.29	154	0.75	1,283	2.83	9,052	3.58	471	2,387	13,453
Confirmed	75	1.62	101	0.49	864	1.91	5,663	2.24	306	1,628	8,637
Probable	31	0.67	53	0.26	419	0.92	3,389	1.34	165	759	4,816
Cyclosporiasis	1	0.03	14	0.07	14	0.03	370	0.16	28	110	537

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Disease	American Indian or Alaska Native		Asian or Pacific Islander		Black		White		Other Race	Race not stated	Total
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	No.	No.
Dengue virus infections **											
Dengue	1	0.02	161	0.79	60	0.13	396	0.16	57	228	903
Dengue-like illness	—	—	6	0.03	2	0.00	13	0.01	8	11	40
Severe dengue	5	5	5	5	5	5	5	5	5	5	10
Diphtheria	—	—	—	—	—	—	—	—	—	—	—
Ehrlichiosis and Anaplasmosis											
<i>Anaplasma phagocytophilum</i> infection	35	0.85	29	0.15	17	0.04	2,686	1.10	36	1,348	4,151
<i>Ehrlichia chaffeensis</i> infection	8	0.19	4	0.02	24	0.05	963	0.40	18	360	1,377
<i>Ehrlichia ewingii</i> infection	5	5	5	5	5	5	5	5	5	5	22
Undetermined ehrlichiosis/anaplasmosis	2	0.05	2	0.01	1	0.00	131	0.05	7	57	200
Giardiasis	93	2.60	430	2.45	1,333	3.89	8,049	4.06	728	5,677	16,310
Gonorrhea §	6,059	130.86	6,208	30.30	192,977	425.93	144,335	57.12	20,565	98,370	468,514
<i>Haemophilus influenzae</i> , invasive disease											
All ages, all serotypes	62	1.34	75	0.37	671	1.48	3,183	1.26	144	760	4,895
Age <5 years ††											
Serotype b	5	1.30	—	—	1	0.03	19	0.13	1	4	30
Non-b serotype	15	3.89	3	0.23	38	1.11	79	0.53	3	21	159
Nontypeable	4	1.04	4	0.31	36	1.06	111	0.75	9	32	196
Unknown serotype	7	1.81	9	0.70	31	0.91	96	0.65	15	29	187
Hansen's disease	—	—	12	0.06	5	0.01	36	0.02	1	24	78
Hantavirus infection, non-hantavirus pulmonary syndrome	5	5	5	5	5	5	5	5	5	5	6
Hantavirus pulmonary syndrome	8	0.18	—	—	—	—	19	0.01	1	3	31
Hemolytic uremic syndrome post-diarrheal	2	0.04	7	0.04	7	0.02	239	0.10	21	31	307
Hepatitis §§											
A, acute	3	0.06	301	1.47	141	0.31	1,073	0.42	142	347	2,007
B, acute	15	0.33	56	0.27	389	0.87	2,187	0.87	131	440	3,218
B, perinatal infection ¶¶	—	—	18	3.54	4	0.29	1	0.02	1	8	32
C, acute	71	1.77	25	0.13	135	0.31	2,221	0.93	82	408	2,942
Human immunodeficiency virus diagnoses	219	4.73	801	3.91	15,632	34.50	9,398	3.72	8,725	—	34,775
Influenza-associated pediatric mortality ***	1	0.07	6	0.13	9	0.07	55	0.10	1	10	82
Invasive pneumococcal disease											
All ages	309	10.75	218	1.84	2,821	7.58	10,403	5.51	457	3,418	17,626
Confirmed	308	10.71	218	1.84	2,817	7.57	10,388	5.50	457	3,415	17,603
Probable	5	5	5	5	5	5	5	5	5	5	23
Age <5 years ††	18	0.53	41	0.32	223	0.56	591	0.29	42	227	1,142
Confirmed	17	5.85	41	4.93	222	7.42	589	4.98	42	226	1,137
Probable	5	5	5	5	5	5	5	5	5	5	5
Legionellosis	26	0.56	99	0.48	1,068	2.36	3,891	1.54	242	815	6,141
Leptospirosis	—	—	8	0.05	1	0.00	38	0.02	13	18	78
Listeriosis	9	0.19	70	0.34	68	0.15	533	0.21	20	86	786
Lyme disease											
Total	81	1.75	303	1.55	298	0.66	18,841	7.47	990	15,916	36,429

TABLE 6. Reported cases of notifiable diseases and rates per 100,000, by race\*, excluding U.S. territories - - United States, 2016  
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Disease	American Indian or Alaska Native		Asian or Pacific Islander		Black		White		Other Race	Race not stated	Total
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	No.	No.
Confirmed	57	1.23	210	1.07	205	0.45	13,381	5.30	776	11,574	26,203
Probable	24	0.52	93	0.48	93	0.21	5,460	2.16	214	4,342	10,226
Malaria	6	0.13	91	0.44	1,052	2.32	248	0.10	67	491	1,955
Measles											
Total	—	—	8	0.04	5	0.01	37	0.01	1	34	85
Indigenous	—	—	2	0.01	2	0.00	32	0.01	—	32	68
Imported	5	5	5	5	5	5	5	5	5	5	17
Meningococcal disease											
All serogroups	9	0.19	12	0.06	60	0.13	229	0.09	15	50	375
Serogroups ACWY	7	0.15	4	0.02	22	0.05	70	0.03	6	17	126
Serogroup B	1	0.02	1	0.00	15	0.03	58	0.02	2	9	86
Other serogroups	5	5	5	5	5	5	5	5	5	5	21
Unknown serogroup	1	0.02	6	0.03	19	0.04	90	0.04	6	20	142
Mumps	20	0.43	2,140	10.45	220	0.49	2,980	1.18	135	874	6,369
Novel Influenza A virus infections	5	5	5	5	5	5	5	5	5	5	23
Pertussis	123	2.66	312	1.52	775	1.71	11,694	4.63	649	4,419	17,972
Plague	5	5	5	5	5	5	5	5	5	5	4
Poliomyelitis, paralytic	—	—	—	—	—	—	—	—	—	—	—
Poliovirus infection, nonparalytic	—	—	—	—	—	—	—	—	—	—	—
Psittacosis	5	5	5	5	5	5	5	5	5	5	12
Q fever											
Total	1	0.02	3	0.01	7	0.02	99	0.04	10	44	164
Acute	1	0.02	2	0.01	6	0.01	83	0.03	8	32	132
Chronic	—	—	1	0.00	1	0.00	16	0.01	2	12	32
Rabies											
Human	—	—	—	—	—	—	—	—	—	—	—
Rubella	5	5	5	5	5	5	5	5	5	5	1
Rubella, congenital syndrome <sup>†</sup>	5	5	5	5	5	5	5	5	5	5	2
Salmonellosis	532	11.49	1,671	8.16	4,401	9.71	34,546	13.67	2,456	10,244	53,850
Severe acute respiratory syndrome-associated coronavirus disease	—	—	—	—	—	—	—	—	—	—	—
Shiga toxin-producing <i>Escherichia coli</i> <sup>†††</sup>	58	1.25	174	0.85	341	0.75	5,563	2.20	361	1,672	8,169
Shigellosis	320	6.91	328	1.60	3,982	8.79	11,547	4.57	1,039	3,881	21,097
Smallpox	—	—	—	—	—	—	—	—	—	—	—
Spotted fever rickettsiosis											
Total	42	0.93	16	0.08	112	0.25	2,927	1.16	62	1,110	4,269
Confirmed	3	0.07	—	—	8	0.02	98	0.04	4	41	154
Probable	39	0.87	16	0.08	104	0.23	2,829	1.12	58	1,069	4,115
Streptococcal toxic shock syndrome	1	0.04	6	0.06	43	0.14	194	0.12	14	25	283
Syphilis											
Total, all stages <sup>§,§§§</sup>	613	13.24	2,353	11.49	30,820	68.02	41,719	16.51	6,062	6,475	88,042
Congenital <sup>†</sup>	12	15.49	26	10.39	261	38.32	281	9.49	14	34	628
Primary and secondary <sup>§</sup>	219	4.73	768	3.75	9,341	20.62	14,103	5.58	1,673	1,710	27,814
Tetanus	—	—	1	0.00	3	0.01	21	0.01	2	7	34
Toxic shock syndrome (other than Streptococcal)	—	—	1	0.01	1	0.00	25	0.01	2	11	40
Trichinellosis	5	0.11	8	0.04	2	0.00	8	0.00	—	3	26
Tuberculosis	127	2.74	3,212	15.68	2,026	4.47	3,676	1.45	132	99	9,272

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	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	No.	No.
Tularemia	23	0.50	—	—	5	0.01	152	0.06	7	43	230
Typhoid fever	4	0.09	185	0.90	31	0.07	61	0.02	29	66	376
Vancomycin-intermediate <i>Staphylococcus aureus</i>	1	0.03	2	0.02	23	0.06	61	0.03	6	15	108
Vancomycin-resistant <i>Staphylococcus aureus</i>	—	—	—	—	—	—	—	—	—	—	—
Varicella morbidity	84	2.40	404	2.31	556	1.51	5,583	2.77	375	1,951	8,953
Varicella mortality	U	U	U	U	U	U	U	U	U	U	U
Vibriosis											
Total	9	0.20	45	0.22	76	0.17	856	0.34	36	251	1,273
Confirmed	9	0.20	42	0.21	71	0.16	837	0.34	36	246	1,241
Probable	—	—	3	0.01	5	0.01	19	0.01	—	5	32
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	S	S	S	S	S	S	S	S	S	S	1
Zika virus											
Zika virus disease, congenital †,¶¶¶¶	—	—	—	—	3	0.44	5	0.17	6	16	30
Zika virus disease, non-congenital	7	0.15	77	0.38	432	0.95	2,516	1.00	492	1,608	5,132
Zika virus infection, congenital †,¶¶¶¶	—	—	—	—	1	0.15	4	0.14	8	32	45
Zika virus infection, non-congenital	—	—	27	0.13	218	0.48	240	0.09	120	306	911

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

U: Unavailable — The data are unavailable.

S: Suppressed

\* Conditions with <25 cases reported in the year were not broken down by race.

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

§ Race data were collected using current Office of Management and Budget (OMB) standards for race/ethnicity data and were mapped to bridged race categories.

¶ 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/2015surveillance/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 *Escherichia coli* O157:H7; shiga toxin-positive, serogroup non-O157; and shiga toxin positive, not serogrouped.

§§§ Includes syphilis of all stages, including cases where stage of syphilis is not stated.

¶¶¶¶ 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/zika/reporting/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 nationally notifiable infectious diseases and conditions for 2016 and their national surveillance case definitions are available by navigating to the

[Surveillance Case Definitions](#) | CDC web page, selecting "2016" for the notifiable condition list year, checking "infectious" conditions, and clicking "Get Notifiable List by Year". This list incorporates the Council of State and Territorial Epidemiologists (CSTE) position statements approved in 2015 by CSTE for national surveillance, that were implemented in January 2016, including updated surveillance case definitions for acute hepatitis C and chronic hepatitis C virus infections. 2016 data are reported through June 30, 2017. Publication criteria for the finalized 2016 data are available at [/nndss/documents/2016\\_NNDSS\\_Publication\\_Criteria.pdf](#). See also [Guide to Interpreting Provisional and Finalized NNDSS Data](#).

- Population estimates for incidence rates are July 1st, 2016 estimates obtained from the National Center for Health Statistics (NCHS) postcensal estimates of the resident population of the United States for July 1, 2011 - July 1, 2016, 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 2016), prepared under a collaborative arrangement with the U.S. Census Bureau. Population estimates for states as of June 26, 2017 are available at [https://www.cdc.gov/nchs/nvss/bridged\\_race/data\\_documentation.htm](https://www.cdc.gov/nchs/nvss/bridged_race/data_documentation.htm). Population estimates for territories are the 2016 mid-year estimates from the U.S. Census Bureau International Data Base accessed on July 24, 2017 at <https://www.census.gov/population/international/data/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).

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### **National Notifiable Diseases Surveillance System**

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