

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

TABLE 4. Annual reported cases of notifiable diseases and rates, by age group, United States, excluding U.S. Territories and Non-U.S. Residents, 2020

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Disease	<1 yr		1-4 yrs		5-14 yrs		15-24 yrs		25-39 yrs		40-64 yrs		≥65 yrs		Age not stated	Total No.
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
Anthrax	—	—	—	—	—	—	—	—	1	0.00	—	—	—	—	—	1
Arboviral diseases																
Chikungunya virus disease	—	—	6	0.04	7	0.02	5	0.01	9	0.01	10	0.01	—	—	—	37
Eastern equine encephalitis virus disease																
Neuroinvasive	—	—	3	0.02	—	—	—	—	1	0.00	7	0.01	2	0.00	—	13
Non-neuroinvasive	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jamestown Canyon virus disease																
Neuroinvasive	—	—	1	0.01	1	0.00	—	—	1	0.00	7	0.01	—	—	—	10
Non-neuroinvasive	—	—	—	—	—	—	—	—	1	0.00	2	0.00	—	—	—	3
La Crosse virus disease																
Neuroinvasive	2	0.05	77	0.49	—	—	1	0.00	2	0.00	2	0.00	—	—	—	84
Non-neuroinvasive	—	—	4	0.03	—	—	—	—	—	—	—	—	—	—	—	4
Powassan virus disease																
Neuroinvasive	1	0.03	1	0.01	—	—	1	0.00	3	0.00	12	0.01	1	0.00	—	19
Non-neuroinvasive	—	—	—	—	—	—	—	—	—	—	1	0.00	—	—	—	1
St. Louis encephalitis virus disease																
Neuroinvasive	—	—	—	—	—	—	—	—	2	0.00	8	0.01	4	0.01	—	14
Non-neuroinvasive	—	—	—	—	—	—	—	—	1	0.00	1	0.00	—	—	—	2
West Nile virus disease																
Neuroinvasive	—	—	10	0.06	11	0.03	31	0.07	92	0.14	352	0.34	62	0.11	—	558
Non-neuroinvasive	—	—	9	0.06	12	0.03	19	0.04	45	0.07	80	0.08	7	0.01	—	172
Western equine encephalitis virus disease																
Neuroinvasive	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Non-neuroinvasive	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Babesiosis																
Total	4	0.12	7	0.05	23	0.07	40	0.11	134	0.23	708	0.80	904	1.88	—	1,820
Confirmed	3	0.09	6	0.04	20	0.06	32	0.09	105	0.18	634	0.71	831	1.73	—	1,631
Probable	1	0.03	1	0.01	3	0.01	8	0.02	29	0.05	74	0.08	73	0.15	—	189
Botulism																
Total	144	3.86	1	0.01	—	—	—	—	8	0.01	32	0.03	3	0.01	1	189
Foodborne	—	—	—	—	—	—	—	—	—	—	6	0.01	2	0.00	—	8
Infant	144	3.86	1	—	—	—	—	—	—	—	—	—	—	—	1	146
Other (wound & unspecified)	—	—	—	—	—	—	—	—	8	0.01	26	0.03	1	0.00	—	35
Brucellosis	—	—	3	0.02	3	0.01	8	0.02	15	0.02	30	0.03	25	0.04	3	87
Campylobacteriosis	1,351	36.17	4,974	31.95	4,234	10.33	4,910	11.54	8,798	12.96	16,410	15.92	10,743	19.30	344	51,764
<i>Candida auris</i> , clinical *	—	—	—	—	—	—	2	0.01	25	0.04	110	0.12	118	0.24	—	255
Carbapenemase-producing carbapenem-resistant Enterobacteriaceae	11	0.32	5	0.03	7	0.02	31	0.08	132	0.21	712	0.75	942	1.88	8	1,848
Chancroid	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Chlamydia trachomatis</i> infection	412	11.03	121	0.78	10,119	24.69	962,077	2,260.75	519,590	765.25	81,090	78.67	2,305	4.14	4,123	1,579,837
Cholera	—	—	—	—	—	—	—	—	—	—	—	—	1	0.00	—	1
Coccidioidomycosis	16	1.00	54	0.81	458	2.59	1,437	7.86	3,616	12.50	7,807	17.93	5,808	24.68	24	19,220
Coronavirus Disease 2019 (COVID-19)																
Total	89,730	2,402.40	294,453	1,891.61	1,257,495	3,067.65	3,552,000	8,346.71	5,522,780	8,133.94	7,351,930	7,132.42	3,045,462	5,471.61	35,881	21,149,731
Confirmed	80,471	2,154.51	265,924	1,708.33	1,126,811	2,748.85	3,210,144	7,543.40	5,012,320	7,382.14	6,674,754	6,475.46	2,782,190	4,998.60	26,742	19,179,356
Probable †	9,259	247.90	28,529	183.27	130,684	318.80	341,856	803.31	510,460	751.80	677,176	656.96	263,272	473.01	9,139	1,970,375
Cryptosporidiosis																
Total	58	1.55	779	5.00	752	1.83	1,218	2.86	2,046	3.01	1,871	1.82	892	1.60	32	7,648
Confirmed	52	1.39	620	3.98	596	1.45	959	2.25	1,618	2.38	1,416	1.37	578	1.04	22	5,861

TABLE 4. Annual reported cases of notifiable diseases and rates, by age group, United States, excluding U.S. Territories and Non-U.S. Residents, 2020

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Disease	<1 yr		1-4 yrs		5-14 yrs		15-24 yrs		25-39 yrs		40-64 yrs		≥65 yrs		Age not stated	Total
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	No.
Probable	6	0.16	159	1.02	156	0.38	259	0.61	428	0.63	455	0.44	314	0.56	10	1,787
Cyclosporiasis	2	0.06	3	0.02	14	0.04	112	0.29	500	0.81	1,316	1.40	709	1.41	33	2,689
Dengue virus infections §																
Dengue	—	—	75	0.48	58	0.14	59	0.14	113	0.17	124	0.12	12	0.02	—	441
Dengue-like illness	—	—	1	0.01	1	0.00	2	0.00	1	0.00	4	0.00	—	—	—	9
Severe dengue	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria	—	—	—	—	—	—	—	—	—	—	1	0.00	—	—	—	1
Ehrlichiosis and Anaplasmosis																
<i>Anaplasma phagocytophilum</i> infection	—	—	7	0.05	62	0.16	72	0.18	274	0.42	1,441	1.45	1,781	3.32	—	3,637
<i>Ehrlichia chaffeensis</i> infection	—	—	3	0.02	21	0.05	38	0.09	115	0.18	491	0.49	506	0.94	4	1,178
<i>Ehrlichia ewingii</i> infection	—	—	—	—	—	—	—	—	2	0.00	10	0.01	9	0.02	—	21
Undetermined ehrlichiosis/anaplasmosis	—	—	—	—	3	0.01	5	0.01	3	0.00	21	0.02	18	0.03	—	50
Giardiasis	58	2.02	540	4.51	706	2.24	1,015	3.08	2,229	4.20	3,283	4.05	1,571	3.52	51	9,453
Gonorrhea	146	3.91	139	0.89	3,065	7.48	286,265	672.68	303,665	447.24	80,730	78.32	2,948	5.30	793	677,751
<i>Haemophilus influenzae</i> , invasive disease																
All ages, all serotypes	199	5.33	117	0.75	49	0.12	95	0.22	323	0.48	826	0.80	1,384	2.49	3	2,999
Age <5 years																
Serotype b	10	0.27	5	0.03	—	—	—	—	—	—	—	—	—	—	—	15
Non-b serotype	46	1.23	30	0.19	—	—	—	—	—	—	—	—	—	—	—	76
Nontypeable	66	1.77	38	0.24	—	—	—	—	—	—	—	—	—	—	—	104
Unknown serotype	77	2.06	44	0.28	—	—	—	—	—	—	—	—	—	—	—	121
Hansen's disease	—	—	—	—	1	0.00	7	0.02	14	0.02	26	0.03	20	0.04	—	68
Hantavirus infection, non-hantavirus pulmonary syndrome ¶	—	—	—	—	—	—	—	—	1	0.00	1	0.00	—	—	—	2
Hantavirus pulmonary syndrome	—	—	—	—	1	0.00	1	0.00	2	0.00	8	0.01	2	0.00	—	14
Hemolytic uremic syndrome post-diarrheal	10	0.27	64	0.42	54	0.13	13	0.03	4	0.01	7	0.01	15	0.03	—	167
Hepatitis, Viral Disease **																
Hepatitis A	6	0.16	13	0.08	38	0.09	461	1.08	4,464	6.57	4,294	4.17	667	1.20	3	9,946
Hepatitis B																
Acute	—	—	—	—	2	0.00	66	0.16	555	0.82	1,319	1.29	212	0.38	1	2,155
Perinatal infection	5	0.13	5	0.13	—	—	—	—	—	—	—	—	—	—	—	10
Hepatitis C																
Acute	2	0.06	2	0.01	1	0.00	566	1.37	2,915	4.43	2,119	2.12	416	0.77	4	6,025
Confirmed	1	0.03	1	0.01	1	0.00	467	1.13	2,343	3.56	1,655	1.65	329	0.61	1	4,798
Probable	1	0.03	1	0.01	—	—	99	0.24	572	0.87	464	0.46	87	0.16	3	1,227
Perinatal infection	55	1.64	110	1.61	—	—	—	—	—	—	—	—	—	—	—	165
Human immunodeficiency virus diagnoses	30	0.80	5	0.03	22	0.05	4,959	11.65	11,943	17.59	7,436	7.21	612	1.10	—	25,007
Influenza-associated pediatric mortality	17	0.46	53	0.34	83	0.20	18	0.14	—	—	—	—	—	—	—	171
Invasive pneumococcal disease ††																
All ages	216	7.73	316	2.72	241	0.79	194	0.61	1,181	2.36	5,368	6.96	4,419	10.47	11	11,946
Confirmed	206	7.37	302	2.60	231	0.76	184	0.58	1,165	2.33	5,261	6.82	4,359	10.33	10	11,718
Probable	10	0.36	14	0.12	10	0.03	10	0.03	16	0.03	107	0.14	60	0.14	1	228
Age <5 years	225	7.49	336	2.68	—	—	—	—	—	—	—	—	—	—	—	561
Confirmed	214	7.12	322	2.57	—	—	—	—	—	—	—	—	—	—	—	536
Probable	11	0.37	14	0.11	—	—	—	—	—	—	—	—	—	—	—	25
Legionellosis §§	11	0.29	1	0.01	1	0.00	44	0.10	431	0.63	2,967	2.88	2,839	5.10	16	6,310
Leptospirosis	—	—	—	—	2	0.01	7	0.02	13	0.02	21	0.03	8	0.02	—	51
Listeriosis ¶¶																
Total	41	1.10	3	0.02	4	0.01	18	0.04	59	0.09	185	0.18	469	0.84	1	780

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	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	No.
Confirmed	35	0.94	3	0.02	4	0.01	13	0.03	55	0.08	181	0.18	462	0.83	1	754
Probable	6	0.16	—	—	—	—	5	0.01	4	0.01	4	0.00	7	0.01	—	26
Lyme disease																
Total	7	0.19	653	4.21	2,574	6.30	1,504	3.55	2,487	3.68	6,443	6.28	4,326	7.81	6	18,000
Confirmed	6	0.16	545	3.52	1,937	4.74	983	2.32	1,616	2.39	4,344	4.23	2,686	4.85	6	12,123
Probable	1	0.03	108	0.70	637	1.56	521	1.23	871	1.29	2,099	2.04	1,640	2.96	—	5,877
Malaria	—	—	14	0.09	37	0.09	86	0.20	178	0.26	240	0.23	48	0.09	—	603
Measles ***																
Total	—	—	3	0.02	—	—	2	0.00	5	0.01	2	0.00	—	—	—	12
Indigenous	—	—	1	0.01	—	—	—	—	3	0.00	2	0.00	—	—	—	6
Imported	—	—	2	0.01	—	—	2	0.00	2	0.00	—	—	—	—	—	6
Meningococcal disease																
All serogroups	16	0.43	20	0.13	14	0.03	35	0.08	38	0.06	77	0.07	42	0.08	—	242
Serogroups ACWY	4	0.11	5	0.03	5	0.01	7	0.02	10	0.01	32	0.03	17	0.03	—	80
Serogroup B	5	0.13	4	0.03	1	0.00	12	0.03	7	0.01	5	0.00	6	0.01	—	40
Other serogroups	1	0.03	2	0.01	1	0.00	2	0.00	3	0.00	5	0.00	2	0.00	—	16
Unknown serogroup	6	0.16	9	0.06	7	0.02	14	0.03	18	0.03	35	0.03	17	0.03	—	106
Mumps	2	0.05	23	0.15	74	0.18	234	0.55	171	0.25	152	0.15	38	0.07	—	694
Novel Influenza A virus infections	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pertussis	698	18.69	983	6.31	1,828	4.46	1,078	2.53	366	0.54	774	0.75	388	0.70	9	6,124
Plague ***	—	—	—	—	—	—	—	—	3	0.00	5	0.00	1	0.00	—	9
Poliomyelitis, paralytic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Poliovirus infection, nonparalytic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Psittacosis	—	—	—	—	2	0.01	—	—	1	0.00	2	0.00	2	0.00	1	8
Q fever																
Total	—	—	2	0.01	1	0.00	6	0.01	14	0.02	52	0.05	44	0.08	1	120
Acute	—	—	2	0.01	—	—	4	0.01	12	0.02	41	0.04	30	0.05	1	90
Chronic	—	—	—	—	1	0.00	2	0.00	2	0.00	11	0.01	14	0.03	—	30
Rabies																
Human	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rubella	—	—	—	—	—	—	2	0.00	2	0.00	2	0.00	—	—	—	6
Rubella, congenital syndrome	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Salmonella Paratyphi infection §§§	—	—	6	0.04	6	0.01	16	0.04	26	0.04	16	0.02	5	0.01	—	75
Salmonella Typhi infection ¶¶¶	1	0.03	26	0.17	34	0.08	22	0.05	44	0.06	48	0.05	7	0.01	—	182
Salmonellosis (excluding S. Typhi infection and S. Paratyphi infection) ****	5,000	133.87	6,554	42.10	4,270	10.42	3,475	8.17	5,703	8.40	11,503	11.16	8,708	15.65	229	45,442
Severe acute respiratory syndrome-associated coronavirus disease	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Shiga toxin-producing Escherichia coli (STEC)	309	8.27	1,561	10.03	1,164	2.84	1,433	3.37	1,661	2.45	2,041	1.98	1,704	3.06	49	9,922
Shigellosis	111	2.97	1,216	7.81	1,091	2.66	837	1.97	2,431	3.58	2,588	2.51	824	1.48	10	9,108
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spotted fever rickettsiosis																
Total	1	0.03	6	0.04	28	0.07	67	0.16	183	0.27	541	0.53	343	0.62	6	1,175
Confirmed	—	—	—	—	5	0.01	3	0.01	13	0.02	21	0.02	19	0.03	3	64
Probable	1	0.03	6	0.04	23	0.06	64	0.15	170	0.25	520	0.51	324	0.59	3	1,111
Streptococcal toxic shock syndrome	2	0.08	1	0.01	17	0.07	4	0.01	41	0.10	93	0.14	66	0.18	—	224
Syphilis																
Total, all stages ****	2,155	57.70	3	0.02	81	0.20	22,814	53.61	68,708	101.19	36,833	35.73	2,436	4.38	903	133,933
Congenital §§§§	2,148	55.88	—	—	—	—	—	—	—	—	—	—	—	—	—	2,148
Primary and secondary	1	0.03	—	—	26	0.06	8,133	19.11	21,721	31.99	11,173	10.84	548	0.98	52	41,654
Tetanus	—	—	—	—	2	0.00	3	0.01	4	0.01	4	0.00	4	0.01	—	17

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	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	No.
Toxic shock syndrome (other than Streptococcal)	1	0.04	—	—	7	0.02	7	0.02	2	0.00	6	0.01	1	0.00	—	24
Trichinellosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis	43	1.15	122	0.78	152	0.37	690	1.62	1,646	2.42	2,638	2.56	1,882	3.38	1	7,174
Tularemia	—	—	9	0.06	18	0.04	11	0.03	26	0.04	49	0.05	35	0.06	2	150
Vancomycin-intermediate <i>Staphylococcus aureus</i>	2	0.07	1	0.01	—	—	—	—	5	0.01	18	0.02	17	0.04	2	45
Vancomycin-resistant <i>Staphylococcus aureus</i> ¶¶¶¶	—	—	—	—	—	—	—	—	—	—	—	—	1	0.00	—	1
Varicella morbidity	337	10.59	628	4.74	819	2.35	291	0.80	342	0.59	256	0.29	47	0.10	207	2,927
Varicella mortality	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vibriosis																
Total	12	0.33	37	0.24	130	0.32	141	0.34	352	0.53	649	0.64	526	0.96	5	1,852
Confirmed	2	0.05	21	0.14	108	0.27	89	0.21	197	0.29	396	0.39	318	0.58	2	1,133
Probable	10	0.27	16	0.10	22	0.05	52	0.12	155	0.23	253	0.25	208	0.38	3	719
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 *****	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Zika virus disease, non-congenital	—	—	—	—	—	—	1	0.00	1	0.00	2	0.00	—	—	—	4
Zika virus infection, congenital *****	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Zika virus infection, non-congenital	—	—	3	0.02	9	0.02	6	0.01	1	0.00	—	—	—	—	—	19

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

U: Unavailable — The data are unavailable.

\* *Candida auris* colonization/screening cases are not included in this table. These data are available on the Mycotic Diseases Branch's Tracking *Candida auris* page (<https://www.cdc.gov/fungal/candida-auris/tracking-c-auris.html>)

† Please see Note #11.

§ Counts include confirmed and probable dengue cases.

¶ Case counts may include Old World hantavirus infections, such as Seoul virus.

\*\* Chronic hepatitis B and chronic hepatitis C data are not included in NNDSS tables but reported case counts are included in the annual Viral Hepatitis Surveillance Report, 2020, published online by CDC's Division of Viral Hepatitis, available at <https://www.cdc.gov/hepatitis/statistics/SurveillanceRpts.htm>.

†† Counts include 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.

§§ In 2020, the CSTE case definition changed such that cases diagnosed by PCR were classified as confirmed, whereas previously those cases were classified as suspect and did not meet the publication/print criteria.

¶¶ Before 2019, probable cases were not reported, and cases in neonates ≤60 days of age were counted as one case in a mother-infant pair. Beginning in 2019, confirmed and probable cases are being reported, and maternal and neonatal cases are being counted separately.

\*\*\* Measles is considered imported if the disease was acquired outside of the United States and is considered indigenous if the disease was acquired anywhere within the United States or it is not known where the disease was acquired.

††† Beginning in 2020, confirmed and probable plague cases are being combined and published. In 2019, only confirmed plague cases were published.

§§§ Beginning in January 2019, cases began to be reported as *Salmonella* Paratyphi infection. In 2018, cases were reported as paratyphoid fever. Prior to 2018, cases of paratyphoid fever were considered salmonellosis.

¶¶¶ Beginning in January 2019, cases began to be reported as *Salmonella* Typhi infection. In previous years, cases were reported as typhoid fever.

\*\*\*\*\* Beginning in January 2019, cases began to be reported as salmonellosis (excluding *Salmonella* Typhi infection and *Salmonella* Paratyphi infection). In 2018, cases were reported as salmonellosis (excluding paratyphoid fever and typhoid fever). Prior to 2018, cases of paratyphoid fever were considered salmonellosis.

†††† Includes the following categories: primary; secondary; early non-primary non-secondary (includes cases previously reported as early latent); unknown duration or late (includes cases previously reported as late latent syphilis and cases previously reported as late syphilis with clinical manifestations) and congenital syphilis.

§§§§ Congenital syphilis cases are usually assigned to the mother's state of residence at the time of delivery. Data for congenital syphilis are aggregated by the infant's year of birth.

¶¶¶¶ Vancomycin-resistant *Staphylococcus aureus* cases reported in this table may not have been verified by CDC. CDC verified 0 vancomycin-resistant *Staphylococcus aureus* cases in 2020.

\*\*\*\*\* Data reported to ArboNET using the national surveillance case definition for congenital Zika virus infection (CSTE Position Statement 16-ID-01).

## Notes:

1. 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. Source datasets for the 2020 annual tables were officially closed on September 27, 2022.
2. The list of national notifiable Infectious diseases and conditions for 2020 and their national surveillance case definitions are available by navigating to the [Surveillance Case Definitions | CDC](#) web page, selecting "2020" 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 2019 by CSTE for national surveillance that were implemented in January 2020. Revised case definitions were implemented for the following conditions: plague, legionellosis, acute hepatitis C, spotted fever rickettsiosis, and pertussis. In addition, CSTE adopted the first coronavirus disease 2019 (COVID-19) national surveillance case definition on April 5, 2020, and they approved a revision to the COVID-19 national surveillance case definition, effective August 5, 2020. Publication criteria for the finalized 2020 data are available at [https://wonder.cdc.gov/nndss/documents/2020\\_NNDSS\\_Publication\\_Criteria\\_03162022.pdf](https://wonder.cdc.gov/nndss/documents/2020_NNDSS_Publication_Criteria_03162022.pdf). See also [Guide to Interpreting Provisional and Finalized NNDSS Data](#).
3. Population estimates for incidence rates are July 1st, 2020, estimates obtained from the National Center for Health Statistics (NCHS) postcensal estimates of the resident population of the United States for April 1, 2010, to July 1, 2020, 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 2020), prepared under a collaborative arrangement with the U.S. Census Bureau. Population estimates for states released September 21, 2021, 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 2020 mid-year estimates from the U.S. Census Bureau International Data Base, accessed on March 15, 2022, at [https://www.census.gov/data-tools/demo/idb/#/country?YR\\_ANIM=2022](https://www.census.gov/data-tools/demo/idb/#/country?YR_ANIM=2022). The choice of population denominators for incidence is based on the availability of population data at the time of publication preparation.
4. Annual tables for 2016 and later years are available on [CDC WONDER](#).
5. Annual summary reports from 1993–2015 are available as published in the [Morbidity and Mortality Weekly Report](#).
6. NNDSS annual tables since 1952 are available at [CDC Stacks](#) (once in CDC Stacks, select "Annual Reports" in the "Genre" box to the left).
7. For most conditions, national incidence rates are calculated as the number of reported cases for each infectious disease or condition divided by the U.S. resident population for the specified demographic population or the total U.S. resident population, multiplied by 100,000. When a national notifiable infectious condition is associated with a specific age restriction, the same restriction was applied to the population in the denominator of the incidence rate calculation. In addition, population data from reporting jurisdictions in which the disease or condition was not reportable or not available were excluded from the denominator of the incidence rate calculations.

Age restrictions in the numerator and denominator are applied for the following childhood conditions:

- Zika virus disease, congenital (age restriction in numerator and denominator is <1 year)
- Zika virus infection, congenital (age restriction in numerator and denominator is <1 year)
- Haemophilus influenzae*, invasive disease <5 years (age restriction in numerator and denominator is <5 years)
- Invasive pneumococcal disease <5 years (age restriction in numerator and denominator is <5 years)
- Influenza associated pediatric mortality (age restriction in numerator and denominator is <18 years)
- Infant botulism (age restriction in numerator and denominator is <1 year)
- Congenital rubella syndrome (age restriction in numerator and denominator is <1 year)
- Perinatal hepatitis B infection (age restriction in numerator is ≤24 months, denominator is <24 months)
- Perinatal hepatitis C infection (age restriction in numerator is ≤36 months, denominator is <36 months).

Data for congenital syphilis are aggregated by the infant's year of birth. The rate for congenital syphilis is based upon the number of reported cases per 100,000 live births, using natality data for 2020 (National Center for Health Statistics [Natality 2020](#), as compiled from data provided by the Vital Statistics Cooperative Program). Congenital syphilis cases are usually assigned to the mother's state of residence at the time of delivery. The mother's race and ethnicity are used for race- and ethnicity-specific rates of congenital syphilis cases.

8. Surveillance data reported by other CDC programs might vary from data reported in these tables because of differences in 1) the date used to aggregate the data, 2) the timing of reports, 3) the source of the data, 4) surveillance case definitions, and 5) policies regarding case jurisdiction (i.e., which jurisdiction should submit the case notification to CDC).
9. The following reporting areas may have incomplete data, due to technical or programmatic challenges while reconciling data during the COVID-19 pandemic: California, Guam, and Minnesota.
10. The following reporting areas may have incomplete data due to updates made to their data after the 2020 reconciliation period ended and there was not sufficient time before publication of the annual tables to confirm the updated counts: Idaho, Kansas, Maryland, Vermont, and Virgin Islands.
11. Of the reporting areas that submitted 2020 aggregate COVID-19 data to CDC, three did not submit probable cases. New York (excluding New York City) and Utah did not collect probable cases. U.S. Virgin Islands collected probable cases, but did not report them to CDC.
12. Disease data presented in the 2020 tables reflect impacts of the COVID-19 pandemic, such as changes in exposure-related behavior, healthcare-seeking behavior, disease reporting, and public health investigations.

## Suggested Citation:

- Centers for Disease Control and Prevention. National Notifiable Diseases Surveillance System, 2020 Annual Tables of Infectious Disease Data. Atlanta, GA. CDC Division of Health Informatics and Surveillance, 2023. Available at: <https://www.cdc.gov/nndss/data-statistics/infectious-tables/index.html>.

## Acknowledgment:

- CDC acknowledges the local, state, and territorial health departments that collected the data from a range of case ascertainment sources (e.g., healthcare providers, hospitals, laboratories) and reported these data to CDC's National Notifiable Diseases Surveillance System.

## National Notifiable Diseases Surveillance System

Provided by [CDC WONDER](#)