

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

TABLE 8. Population Denominators by Age Subgroup for Rate Calculations, United States and U.S. Territories, 2022
(Accessible Version: <https://wonder.cdc.gov/nndss/static/2022/annual/2022-table8.html>)

Reporting Area	Total Resident Population	US Resident Population, by Age Subgroup			Live Births in Year 2022¶
		Age <1 year*	Age <5 years†	Age <18 years§	
United States	333,287,557	3,683,113	18,538,353	72,450,827	3,613,647
New England	15,129,548	147,104	730,185	2,887,955	138,452
Connecticut	3,626,205	35,870	181,607	731,030	33,460
Maine	1,385,340	12,002	61,744	247,898	11,539
Massachusetts	6,981,974	70,623	343,596	1,337,434	66,428
New Hampshire	1,395,231	12,713	62,944	252,924	11,791
Rhode Island	1,093,734	10,532	52,700	203,912	10,101
Vermont	647,064	5,364	27,594	114,757	5,133
Middle Atlantic	41,910,858	449,208	2,246,877	8,607,862	437,985
New Jersey	9,261,699	102,910	516,455	1,994,109	97,954
New York (excluding New York City)	11,341,254	114,021	586,153	2,310,265	112,697
New York City	8,335,897	100,725	473,064	1,679,023	96,641
Pennsylvania	12,972,008	131,552	671,205	2,624,465	130,693
East North Central	47,097,779	505,584	2,595,755	10,207,928	505,773
Illinois	12,582,032	131,093	680,341	2,720,131	133,298
Indiana	6,833,037	79,786	404,946	1,569,923	78,616
Michigan	10,034,113	104,605	536,425	2,109,695	104,074
Ohio	11,756,058	128,822	661,421	2,562,550	129,191
Wisconsin	5,892,539	61,278	312,622	1,245,629	60,594
West North Central	21,689,816	251,207	1,277,232	4,953,008	248,528
Iowa	3,200,517	36,786	186,200	724,489	36,114
Kansas	2,937,150	34,772	175,442	690,832	34,376
Minnesota	5,717,184	64,755	330,126	1,294,162	63,443
Missouri	6,177,957	69,009	353,605	1,364,908	69,285
Nebraska	1,967,923	24,347	123,837	476,677	24,291
North Dakota	779,261	10,093	49,929	182,775	10,059
South Dakota	909,824	11,445	58,093	219,165	10,960
South Atlantic	67,452,940	726,447	3,638,921	14,117,251	704,470
Delaware	1,018,396	10,785	53,766	208,127	10,392
District of Columbia	671,803	8,261	39,099	124,475	8,874
Florida	22,244,823	220,782	1,106,804	4,296,354	209,671
Georgia	10,912,876	124,954	631,545	2,510,123	122,473
Maryland	6,164,660	69,158	349,844	1,346,589	68,554
North Carolina	10,698,973	121,554	596,490	2,294,879	116,730
South Carolina	5,282,634	56,849	285,883	1,117,872	55,704
Virginia	8,683,619	96,728	487,493	1,866,910	94,749
West Virginia	1,775,156	17,376	87,997	351,922	17,323
East South Central	19,578,002	226,200	1,132,951	4,332,335	223,477
Alabama	5,074,296	57,882	290,299	1,111,562	57,647
Kentucky	4,512,310	52,123	262,713	1,004,575	51,668
Mississippi	2,940,057	34,735	174,518	678,061	35,473
Tennessee	7,051,339	81,460	405,421	1,538,137	78,689
West South Central	41,685,250	519,157	2,606,719	10,168,296	508,392
Arkansas	3,045,637	35,980	180,389	697,119	35,251
Louisiana	4,590,241	56,702	280,020	1,061,693	57,328
Oklahoma	4,019,800	47,793	243,671	953,146	47,623
Texas	30,029,572	378,682	1,902,639	7,456,338	368,190
Mountain	25,514,320	282,280	1,423,641	5,712,755	278,151
Arizona	7,359,197	78,579	395,006	1,589,010	76,947
Colorado	5,839,926	62,867	309,020	1,215,575	61,494
Idaho	1,939,033	22,368	113,283	463,404	21,533
Montana	1,122,867	11,201	57,646	233,753	10,791

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Reporting Area	Total Resident Population	US Resident Population, by Age Subgroup			Live Births in Year 2022¶
		Age <1 year*	Age <5 years†	Age <18 years§	
Nevada	3,177,772	33,611	174,244	689,778	33,653
New Mexico	2,113,344	20,830	110,028	459,513	21,903
Utah	3,380,800	46,679	233,074	931,608	45,702
Wyoming	581,381	6,145	31,340	130,114	6,128
Pacific	53,229,044	575,926	2,886,072	11,463,437	568,419
Alaska	733,583	9,490	46,805	176,523	9,469
California	39,029,342	425,149	2,127,764	8,506,027	420,259
Hawaii	1,440,196	15,804	79,600	297,326	15,785
Oregon	4,240,137	41,052	206,074	836,988	39,820
Washington	7,785,786	84,431	425,829	1,646,573	83,086
U.S. Territories	3,469,840	30,080	147,618	624,533	23,372
American Samoa	45,443	689	3,518	13,312	—
Commonwealth of Northern Mariana Islands	51,475	782	3,769	15,169	628
Guam	169,086	3,103	15,401	53,665	2,935
Puerto Rico	3,098,423	24,278	118,549	518,243	18,933
U.S. Virgin Islands	105,413	1,228	6,381	24,144	876

* Use this population for Zika virus disease, congenital; Zika virus infection, congenital; infant botulism; and congenital rubella syndrome.

† Use this population for *Haemophilus influenzae*, invasive disease and invasive pneumococcal disease.

§ Use this population for influenza associated pediatric mortality.

¶ Use this population for congenital syphilis.

Please also see note #7 .

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 2022 annual tables were officially closed on March 29, 2024.
2. The list of national notifiable Infectious diseases and conditions for 2022 and their national surveillance case definitions are available by navigating to the [Surveillance Case Definitions | CDC](#) web page, selecting "2022" for the notifiable condition list year, checking "Infectious" conditions, and clicking "Get Notifiable List by Year". Publication criteria for the finalized 2022 data are available at https://wonder.cdc.gov/nndss/documents/NNDSS_Publication_Criteria_2022.pdf. See also [Guide to Interpreting Provisional and Finalized NNDSS Data](#).
3. Population estimates for incidence rates are July 1st, 2022 postcensal estimates of the resident population of the United States for July 1, 2020, to July 1, 2022, by year, county, single year of age (range: 0 to 85+ years), bridged-race (American Indian or Alaska Native, Asian or Pacific Islander, Black or African American, White), Hispanic ethnicity (Hispanic or Latino, not Hispanic or Latino), and sex (Female, Male), prepared under a collaborative arrangement with the U.S. Census Bureau and the National Cancer Institute (NCI). The "Vintage 2022" population estimates for years 2020-2022 were released March 2024 by the National Cancer Institute at <https://seer.cancer.gov/popdata/>. For more information, see <https://seer.cancer.gov/popdata/singleages.html> Population estimates for territories are the 2022 mid-year estimates from the U.S. Census Bureau International Data Base, accessed on May 02, 2024, at 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](#). To find them, search for "NNDSS" under Collections. Once in NNDSS Collections, navigate to the "Genre" box on the left-hand side and select "Annual Reports".
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 is ≤24 months)
- Perinatal hepatitis C infection (age restriction 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 2022 (National Center for Health Statistics [Natality 2022](#), 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. Disease data presented in the 2022 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, 2022 Annual Tables of Infectious Disease Data. Atlanta, GA. CDC Office of Public Health Data, Surveillance, and Technology, 2024. 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](#)