

# 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, 2021  
(Accessible Version: <https://wonder.cdc.gov/nndss/static/2021/annual/2021-table8.html>)

Reporting Area	Total Resident Population	US Resident Population, by Age Subgroup					Live Births in Year 2021††
		Age <1 year*	Age <24 months†	Age <36 months§	Age <5 years¶	Age <18 years**	
United States	329,484,123	3,735,010	7,508,894	11,361,919	19,301,292	72,822,113	3,613,647
New England	14,847,468	143,118	288,181	436,339	739,895	2,876,792	138,452
Connecticut	3,557,006	34,232	69,325	105,516	179,591	718,952	33,460
Maine	1,350,141	12,272	24,926	37,368	63,380	248,168	11,539
Massachusetts	6,893,574	68,824	137,812	208,415	351,815	1,341,523	66,428
New Hampshire	1,366,275	12,058	24,413	36,873	63,089	253,134	11,791
Rhode Island	1,057,125	10,402	20,808	31,797	53,762	201,849	10,101
Vermont	623,347	5,330	10,897	16,370	28,258	113,166	5,133
Middle Atlantic	41,002,401	453,533	909,877	1,374,289	2,311,380	8,543,646	437,985
New Jersey	8,882,371	99,506	200,908	304,277	513,951	1,934,535	97,954
New York (excluding New York City)	11,083,563	114,738	231,865	352,327	597,353	2,294,451	112,697
New York City	8,253,213	106,234	208,967	311,007	510,972	1,693,903	96,641
Pennsylvania	12,783,254	133,055	268,137	406,678	689,104	2,620,757	130,693
East North Central	46,834,910	523,426	1,053,402	1,597,548	2,712,713	10,298,385	505,773
Illinois	12,587,530	140,052	281,203	427,044	727,519	2,777,968	133,298
Indiana	6,754,953	80,450	161,856	245,727	415,418	1,566,439	78,616
Michigan	9,966,555	107,849	217,123	328,975	559,139	2,126,813	104,074
Ohio	11,693,217	132,316	266,389	404,275	684,358	2,568,641	129,191
Wisconsin	5,832,655	62,759	126,831	191,527	326,279	1,258,524	60,594
West North Central	21,481,834	257,524	518,160	784,042	1,331,515	4,970,076	248,528
Iowa	3,163,561	36,974	74,403	113,145	192,582	725,559	36,114
Kansas	2,913,805	35,281	70,995	107,600	183,104	696,746	34,376
Minnesota	5,657,342	66,390	133,789	202,513	345,991	1,301,219	63,443
Missouri	6,151,548	71,649	144,397	217,943	367,578	1,371,429	69,285
Nebraska	1,937,552	24,961	50,171	75,742	128,717	475,015	24,291
North Dakota	765,309	10,459	20,794	31,262	53,079	181,629	10,059
South Dakota	892,717	11,810	23,611	35,837	60,464	218,479	10,960
South Atlantic	66,392,969	723,735	1,456,506	2,204,333	3,732,923	14,065,857	704,470
Delaware	986,809	10,497	21,157	32,041	54,461	204,656	10,392
District of Columbia	712,816	9,225	18,140	26,914	44,300	129,588	8,874
Florida	21,733,312	219,558	442,382	669,471	1,135,005	4,250,732	209,671
Georgia	10,710,017	124,993	251,252	380,723	647,544	2,499,950	122,473
Maryland	6,055,802	69,583	140,376	212,537	358,879	1,333,919	68,554
North Carolina	10,600,823	118,309	237,709	359,238	606,821	2,306,400	116,730
South Carolina	5,218,040	56,371	113,623	171,821	291,296	1,117,925	55,704
Virginia	8,590,563	97,752	196,571	297,991	503,465	1,866,420	94,749
West Virginia	1,784,787	17,447	35,296	53,597	91,152	356,267	17,323
East South Central	19,252,403	224,067	451,051	683,290	1,151,069	4,295,734	223,477
Alabama	4,921,532	56,246	113,581	172,597	291,920	1,087,283	57,647
Kentucky	4,477,251	52,511	105,789	160,287	270,088	1,001,917	51,668
Mississippi	2,966,786	35,419	71,325	107,959	181,663	693,133	35,473
Tennessee	6,886,834	79,891	160,356	242,447	407,398	1,513,401	78,689
West South Central	41,017,382	518,863	1,044,277	1,582,013	2,704,620	10,169,646	508,392
Arkansas	3,030,522	36,035	72,450	109,911	186,292	699,714	35,251
Louisiana	4,645,318	57,134	114,751	174,090	295,905	1,081,280	57,328
Oklahoma	3,980,783	48,675	98,143	148,467	253,516	953,520	47,623
Texas	29,360,759	377,019	758,933	1,149,545	1,968,907	7,435,132	368,190
Mountain	25,213,395	289,431	581,826	878,268	1,501,999	5,809,622	278,151
Arizona	7,421,401	81,409	164,403	248,377	424,755	1,646,423	76,947
Colorado	5,807,719	63,076	126,141	190,397	324,583	1,250,035	61,494
Idaho	1,826,913	21,547	43,380	65,803	113,848	451,043	21,533
Montana	1,080,577	11,365	22,802	34,679	59,914	229,683	10,791

TABLE 8. Population Denominators by Age Subgroup for Rate Calculations, United States and U.S. Territories, 2021  
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Reporting Area	Total Resident Population	US Resident Population, by Age Subgroup					Live Births in Year 2021††
		Age <1 year*	Age <24 months†	Age <36 months§	Age <5 years¶	Age <18 years**	
Nevada	3,138,259	35,704	71,967	108,316	184,656	697,580	33,653
New Mexico	2,106,319	22,576	45,739	69,393	118,725	472,491	21,903
Utah	3,249,879	47,431	94,722	141,867	241,733	929,276	45,702
Wyoming	582,328	6,323	12,672	19,436	33,785	133,091	6,128
Pacific	53,441,361	601,313	1,205,614	1,821,797	3,115,178	11,792,355	568,419
Alaska	731,158	9,706	19,275	29,163	49,749	178,731	9,469
California	39,368,078	446,864	895,731	1,352,608	2,310,380	8,791,234	420,259
Hawaii	1,407,006	16,244	32,672	49,505	84,040	295,818	15,785
Oregon	4,241,507	42,018	84,433	128,197	221,046	860,778	39,820
Washington	7,693,612	86,481	173,503	262,324	449,963	1,665,794	83,086
U.S. Territories	3,564,432	31,121	62,018	92,736	155,180	675,035	23,372
American Samoa	47,392	831	1,674	2,533	4,282	15,193	—
Commonwealth of Northern Mariana Islands	51,851	767	1,523	2,272	3,749	14,876	628
Guam	168,489	3,144	6,284	9,427	15,728	53,945	2,935
Puerto Rico	3,190,410	25,095	49,944	74,577	124,755	566,238	18,933
U.S. Virgin Islands	106,290	1,284	2,593	3,927	6,666	24,783	876

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

† Use this population for perinatal hepatitis B infection.

§ Use this population for perinatal hepatitis C infection.

¶ 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 2021 annual tables were officially closed on March 29, 2023.
2. The list of national notifiable Infectious diseases and conditions for 2021 and their national surveillance case definitions are available by navigating to the [Surveillance Case Definitions | CDC](#) web page, selecting "2021" for the notifiable condition list year, checking "Infectious" conditions, and clicking "Get Notifiable List by Year". 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. On June 17, 2021, a revision to the COVID-19 national surveillance case definition was approved, effective September 1, 2021. Publication criteria for the finalized 2021 data are available at [https://wonder.cdc.gov/nndss/documents/2021\\_NNDSS\\_Publication\\_Criteria\\_03162022.pdf](https://wonder.cdc.gov/nndss/documents/2021_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 22, 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 and denominator is  $\leq 24$  months)

Perinatal hepatitis C infection (age restriction in numerator and denominator is  $\leq 36$  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 2021 (National Center for Health Statistics [Natality 2021](#), 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 2021 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, 2021 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>.

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- 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](#)