



National Center for Health Statistics

Weekly Updates by Select Demographic and Geographic Characteristics

Provisional Death Counts for Coronavirus Disease 2019 (COVID-19)

Contents

[Daily Updates of Totals by Week and State](#)

[Weekly Updates by Select Demographic and Geographic Characteristics](#)


[Health Disparities: Race and Hispanic Origin](#)

[Excess Deaths Associated with COVID-19](#)

[Index of Available Data Files](#)

[Technical Notes](#)

Updated: October 7, 2020

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of October 7, 2020. Death counts are delayed and may differ from other published sources (see Technical Notes). Counts will be updated every Wednesday by 5pm. Additional information will be added to this site as available.

List of Topics

- [1. Age and sex](#)
- [2. Race and Hispanic origin](#)
- [3. Place of death](#)
- [4. Comorbidities](#)
- [5. Excess deaths](#)
- [6. State and county data files](#)

For the Index of Provisional COVID-19 Mortality Surveillance and Ad-hoc Data Files, [click here](#).

Age and sex

Table 1 has counts of death involving COVID-19 and select causes of death by sex and age group for the United States. For data on sex and age at the state level, [Click here to download](#). For data on sex and age by week,

[Click here to download](#).

NOTICE TO USERS: The data file for deaths by sex and age at the state level has been updated on September 2, 2020 to include the following age groups in addition to the age groups that are routinely included: 0-17, 18-29, 30-49, and 50-64. The new age groups are consistent with categories used across CDC COVID-19 surveillance pages. When analyzing the file, the user should make sure to select only the desired age groups. Summing across all age categories provided will result in double counting deaths from certain age groups.

Data on deaths involving COVID-19 among ages 0–18 are available here: [Click here to download](#).

Table 1. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by sex and age group. United States. Week ending 2/1/2020 to 10/3/2020

Updated October 7, 2020

Sex	Age group	All Deaths involving COVID-19 (U07.1) ¹	Deaths from All Causes	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0-J18.9) ²	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0-J18.9) ²	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09-J11) ³	Deaths involving Pneumonia, Influenza, or COVID-19 (U07.1 or J09-J18.9) ⁴	Population ⁵
Total								
	All ages	198,809	2,150,188	203,068	89,981	6,713	317,608	328,239,523
	Under 1 year	22	12,092	113	3	16	148	3,783,052
	1–4 years	15	2,307	77	2	42	132	15,793,631
	5–14 years	35	3,597	106	7	52	186	40,994,163
	15–24 years	369	23,153	470	132	55	758	42,687,510
	25–34 years	1,541	47,522	1,703	686	151	2,695	45,940,321
	35–44 years	4,039	67,177	3,843	1,798	249	6,303	41,659,144
	45–54 years	10,627	123,171	10,003	4,980	580	16,125	40,874,902
	55–64 years	25,421	281,571	26,746	12,429	1,241	40,760	42,448,537
	65–74 years	42,950	426,332	45,198	20,858	1,457	68,506	31,483,433
	75–84							

years	52,618	519,488	55,444	24,576	1,482	84,759	15,969,872
85 years and over	61,172	643,778	59,365	24,510	1,388	97,236	6,604,958
Males							
All ages	107,472	1,122,212	111,343	50,798	3,459	170,862	161,657,324
Under 1 year	15	6,692	68	2	8	89	1,935,117
1-4 years	7	1,352	38	1	25	69	8,074,090
5-14 years	23	2,135	53	6	23	93	20,941,023
15-24 years	226	17,171	290	82	27	458	21,810,359
25-34 years	1,021	33,556	1,058	443	76	1,703	23,359,180
35-44 years	2,747	44,289	2,431	1,221	133	4,067	20,792,080
45-54 years	7,232	77,465	6,260	3,405	345	10,360	20,171,966
55-64 years	16,473	173,369	16,313	8,004	705	25,338	20,499,219
65-74 years	26,345	247,634	27,192	12,891	813	41,304	14,699,579
75-84 years	28,937	269,961	31,041	13,906	738	46,692	6,998,223
85 years and over	24,446	248,588	26,599	10,837	566	40,689	2,376,488
Females							
All ages	91,332	1,027,893	91,718	39,179	3,253	146,737	166,582,199
Under 1 year	7	5,380	45	1	8	59	1,847,935
1-4 years	8	955	39	1	17	63	7,719,541
5-14 years	12	1,462	53	1	29	93	20,053,140
15-24 years	143	5,981	180	50	28	300	20,877,151
25-34 years	520	13,964	645	243	75	992	22,581,141
35-44 years	1,292	22,883	1,412	577	116	2,236	20,867,064
45-54 years	3,394	45,703	3,742	1,574	235	5,764	20,702,936
55-64 years	8,948	108,194	10,432	4,425	535	15,420	21,949,318

65-74 years	16,604	178,689	18,005	7,966	644	27,201	16,783,854
75-84 years	23,680	249,513	24,401	10,669	744	38,065	8,971,649
85 years and over	36,724	395,169	32,764	13,672	822	56,544	4,228,470

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. Counts of death occurring before or after the reporting period are not included in the table.

*Data during this period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more, depending on the jurisdiction and cause of death.

¹Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1

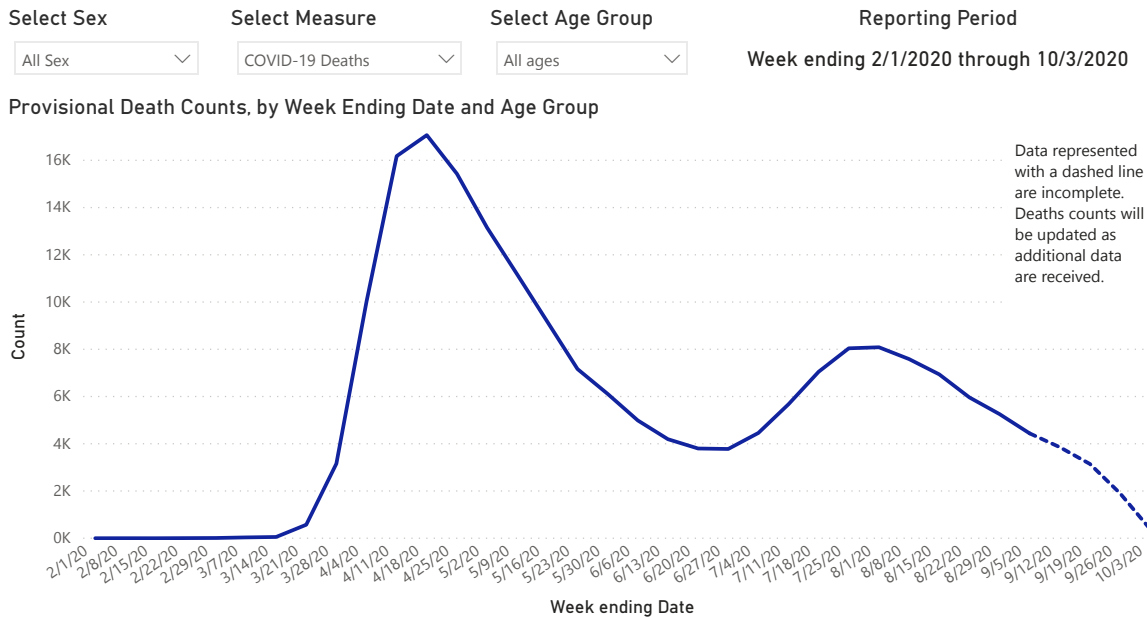
²Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

³Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

⁴Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

⁵Population is based on 2019 postcensal estimates from the U.S. Census Bureau.

Provisional Death Counts for Coronavirus Disease 2019 (COVID-19) By Week of Death



NOTE: Provisional death counts are based on death certificate data received and coded by NCHS as of the date of analysis and do not represent all deaths that occurred in that period. Data for the most recent 5 weeks (shown with dashed line) are typically less than 90% complete, with lower levels of completeness in more recent weeks. Death counts are updated as additional deaths are received and coded.

SOURCE: NCHS National Mortality Public Health System (NMPHS) COVID-19 Mortality Data

Data by race and Hispanic origin are available at the national, state, and county level. Data by race and Hispanic origin is also available by age at the national and state level. [Click here](#) to visit the NCHS Health Disparities: Race and Hispanic origin page.

Place of death

Table 2 presents death counts of COVID-19 and other select causes of death by the place of death. For data on place of death at the state level, [Click here to download](#).

For data on place of death by age group, state, and HHS Region, [Click here to download](#).

Table 2. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by place of death, United States. Week ending 2/1/2020 to 10/3/2020.*

Updated October 7, 2020

Place of death	All Deaths involving COVID-19 (U07.1) ¹	Deaths from All Causes	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0–J18.9) ²	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0–J18.9) ²	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09–J11) ³
Total	198,809	2,150,188	203,068	89,981	6,713
Healthcare setting, inpatient	129,473	628,547	145,170	71,772	4,068
Healthcare setting, outpatient or emergency room	6,945	127,622	6,636	2,266	242
Healthcare setting, dead on arrival	188	6,152	142	47	11
Decedent's home	10,741	728,182	13,849	2,232	1,447
Hospice facility	5,934	134,662	9,740	2,742	317
Nursing home/long term care facility	42,005	376,091	24,157	9,972	529
Other	3,451	146,615	3,309	924	99
Place of death unknown	72	2,317	65	26	0

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. Counts of deaths occurring before or after the reporting period are not included in the table.

*Data during this period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more, depending on the jurisdiction and cause of death.

¹Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

²Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

³Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

Comorbidities

diseases	I60-I69	9,679	7	29	103	360	1,107	2,205	2,815	3,052
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	11,177	51	119	261	640	1,481	2,512	2,800	3,313
Sepsis	A40-A41	18,293	45	172	454	1,377	3,211	5,082	4,581	3,371
Malignant neoplasms	C00-C97	9,148	32	41	125	350	1,248	2,393	2,730	2,229
Diabetes	E10-E14	32,372	54	210	742	2,224	5,387	8,776	8,622	6,357
Obesity	E65-E68	7,400	98	352	793	1,299	1,866	1,804	926	262
Alzheimer disease	G30	7,097	0	0	0	2	61	473	2,104	4,457
Vascular and unspecified dementia	F01, F03	22,192	0	0	2	24	338	2,087	6,607	13,134
Renal failure	N17-N19	17,565	23	143	371	1,141	2,696	4,565	4,592	4,032
Intentional and unintentional injury, poisoning and other adverse events	S00-T98, V01-X59, X60-X84, X85-Y09, Y10-Y36, Y40-Y89, U01-U03	6,659	52	185	249	415	805	1,295	1,600	2,058
All other conditions and causes (residual)	A00-A39, A42-B99, D00-E07, E15-E64, E70-E90, F00, F02, F04-G26, G31-H95, K00-K93, L00-M99, N00-N16, N20-N99, O00-O99, P00-P96, Q00-Q99, R00-R08, R09.0, R09.1, R09.3, R09.8, R10-R99	99,330	334	910	2,050	5,486	13,525	23,309	26,011	27,697

NOTE: Number of conditions reported in this table are tabulated from deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. Data for this table are derived from a cut of the NVSS database taken at a particular time, separate from other surveillance tables on this page which are tabulated on the date of update. As a result, the total number of COVID-19 deaths in this table may not match other surveillance tables on this page.

*Data during the period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more.

¹Conditions contributing to the death were identified using the International Classification of Diseases, Tenth Revision (ICD-10). Deaths involving more than one condition (e.g., deaths involving both diabetes and respiratory arrest) were counted in both totals. To avoid counting the same death multiple times, the numbers for different conditions should not be summated.

²Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1



Excess deaths

See the [NCHS Excess Deaths Data Visualization](#).

This data visualization presents data on weekly counts of all-cause mortality by jurisdiction of occurrence. Counts of deaths in the most recent weeks are compared with historical trends to determine whether the number of deaths in recent weeks is significantly higher than expected.

State and County Data Files

Weekly Counts of Deaths by State and Select Causes

- [Final data for 2014–2018](#)  – Weekly counts of leading causes of death based on final underlying cause mortality data for years 2014–2018.
- [Provisional data for 2019–2020](#)  – Weekly counts of leading causes of death based on provisional underlying cause mortality data for 2019–2020, updated weekly.

[Provisional COVID-19 Death Counts in the United States by County](#)

- This file includes deaths involving COVID-19 (coded to ICD-10 code U07.1) and total deaths per county. Counties included in this table had 10 or more COVID-19 deaths at the time of analysis.

Understanding the Numbers: Provisional Death Counts and COVID-19

Provisional death counts deliver the most complete and accurate picture of lives lost to COVID-19. They are based on death certificates, which are the most reliable source of data and contain information not available anywhere else, including comorbid conditions, race and ethnicity, and place of death.

How it Works

The National Center for Health Statistics (NCHS) uses incoming data from death certificates to produce provisional COVID-19 death counts. These include deaths occurring within the 50 states and the District of Columbia.

NCHS also provides summaries that examine deaths in specific categories and in greater geographic detail, such as deaths by county and by race and Hispanic origin.

COVID-19 deaths are identified using a new ICD-10 code. When COVID-19 is reported as a cause of death – or when it is listed as a “probable” or “presumed” cause — the death is coded as **U07.1**. This can include cases with or without laboratory confirmation.

Why These Numbers are Different

Provisional death counts may not match counts from other sources, such as media reports or numbers from county health departments. Counts by NCHS often track 1–2 weeks behind other data.

- **Death certificates take time to be completed.** There are many steps to filling out and submitting a death certificate. Waiting for test results can create additional delays.
- **States report at different rates.** Currently, 63% of all U.S. deaths are reported within 10 days of the date of death, but there is significant variation between states.
- **It takes extra time to code COVID-19 deaths.** While 80% of deaths are electronically processed and coded by NCHS within minutes, most deaths from COVID-19 must be coded by a person, which takes an average of 7 days.
- **Other reporting systems use different definitions or methods for counting deaths.**

Things to know about the data

Provisional counts are not final and are subject to change. Counts from previous weeks are continually revised as more records are received and processed.

Provisional data are not yet complete. Counts will not include all deaths that occurred during a given time period, especially for more recent periods. However, we can estimate how complete our numbers are by looking at the average number of deaths reported in previous years.

Death counts should not be compared across states. Some states report deaths on a daily basis, while other states report deaths weekly or monthly. State vital record reporting may also be affected or delayed by COVID-19 related response activities.

For more detailed technical information, visit the [Provisional Death Counts for Coronavirus Disease 2019 \(COVID-19\) Technical Notes](#) page.

