



National Center for Health Statistics

Weekly Updates by Select Demographic and Geographic Characteristics

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

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Updated: December 2, 2020

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of December 2, 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.

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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 11/28/2020.*

Updated December 2, 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	249,570	2,635,214	249,148	113,943	6,852	390,588	328,239,52
	Under 1 year	29	14,843	139	4	15	179	3,783,05
	1–4 years	16	2,768	91	2	42	147	15,793,63
	5–14 years	44	4,453	120	7	53	210	40,994,16
	15–24 years	439	28,554	576	154	55	912	42,687,51
	25–34 years	1,852	58,354	2,047	821	154	3,217	45,940,32
	35–44 years	4,771	82,459	4,610	2,112	251	7,490	41,659,14
	45–54 years	12,701	150,178	12,042	6,004	593	19,223	40,874,90
	55–64 years	30,875	344,229	32,479	15,295	1,263	49,099	42,448,53
	65–74 years	53,579	523,408	55,835	26,534	1,492	84,118	31,483,43
	75–84 years	67,305	637,516	68,697	31,766	1,516	105,532	15,969,87

85 years and over	77,959	788,452	72,512	31,244	1,418	120,461	6,604,95
Males							
All ages	135,078	1,376,260	137,312	64,683	3,543	210,613	161,657,32
Under 1 year	20	8,206	84	3	7	108	1,935,11
1-4 years	8	1,617	44	1	25	76	8,074,09
5-14 years	29	2,671	63	6	24	110	20,941,02
15-24 years	267	21,114	352	92	27	551	21,810,35
25-34 years	1,192	41,297	1,252	515	79	1,998	23,359,18
35-44 years	3,208	54,255	2,877	1,422	133	4,774	20,792,08
45-54 years	8,573	94,263	7,473	4,054	355	12,272	20,171,96
55-64 years	19,905	211,901	19,780	9,793	721	30,462	20,499,21
65-74 years	32,798	303,799	33,601	16,405	835	50,664	14,699,57
75-84 years	37,255	331,437	38,759	18,161	758	58,488	6,998,22
85 years and over	31,823	305,700	33,027	14,231	579	51,110	2,376,48
Females							
All ages	114,485	1,258,860	111,828	49,255	3,308	179,964	166,582,19
Under 1 year	9	6,613	55	1	8	71	1,847,93
1-4 years	8	1,151	47	1	17	71	7,719,54
5-14 years	15	1,782	57	1	29	100	20,053,14
15-24 years	172	7,437	224	62	28	361	20,877,15
25-34 years	660	17,055	795	306	75	1,219	22,581,14
35-44 years	1,563	28,201	1,733	690	118	2,716	20,867,06
45-54 years	4,126	55,911	4,568	1,949	238	6,949	20,702,93

55–64 years	10,970	132,319	12,698	5,502	541	18,635	21,949,31
65–74 years	20,780	219,599	22,233	10,128	657	33,453	16,783,85
75–84 years	30,048	306,063	29,935	13,603	758	47,041	8,971,64
85 years and over	46,134	482,729	39,483	17,012	839	69,348	4,228,47

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.

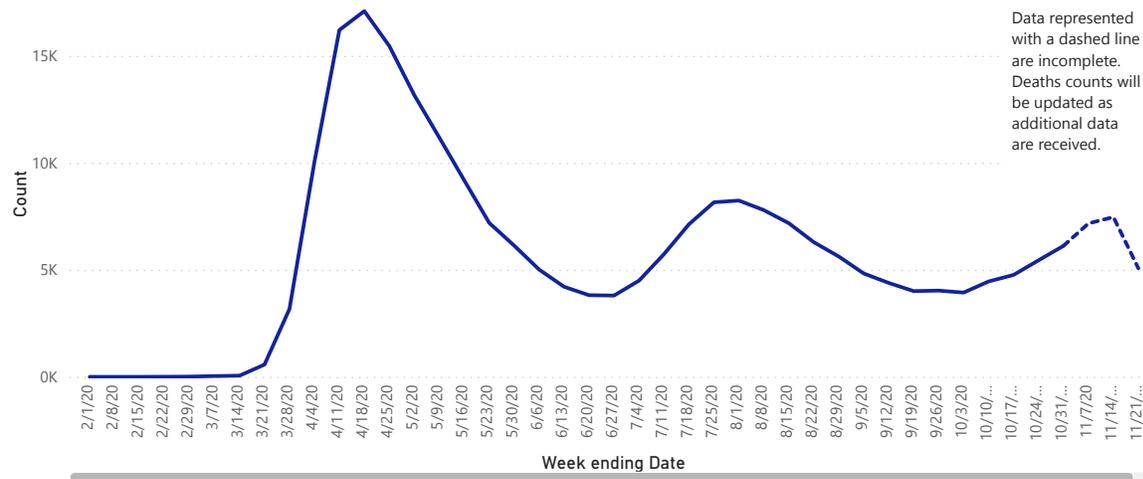
⁴Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

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

Select Sex: All Sex | Select Measure: COVID-19 Deaths | Select Age Group: All ages | Reporting Period: Week ending 2/1/2020 through 11/28/2020

Provisional Death Counts, by Week Ending Date and Age Group



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.

Race and Hispanic origin

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 11/28/2020.***

Updated December 2, 2020

Place of death	All Deaths involving COVID-19	Deaths from All	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths	Deaths involving COVID-19 and Pneumonia, excluding	All Deaths involving Influenza, with or without COVID-19 or Pneumonia
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certificate ¹										
Total COVID-19 deaths ² , as of 11/28/2020	U071	243,575	520	1,828	4,706	12,470	30,211	52,336	65,542	75,956
Respiratory diseases		-	-	-	-	-	-	-	-	-
Influenza and pneumonia	J09-J18	105,728	169	828	2,114	6,033	14,670	24,522	28,678	28,711
Chronic lower respiratory diseases	J40-J47	21,930	34	85	197	571	2,234	5,313	7,110	6,385
Adult respiratory distress syndrome	J80	30,082	82	322	867	2,467	5,420	8,056	7,387	5,479
Respiratory failure	J96	86,217	148	591	1,536	4,577	11,322	20,296	24,388	23,357
Respiratory arrest	R09.2	4,975	10	37	88	228	555	1,017	1,332	1,708
Other diseases of the respiratory system	J00-J06, J20-J39, J60-J70, J81-J86, J90-J95, J97-J99, U04	9,450	25	86	207	517	1,225	2,146	2,583	2,661
Circulatory diseases		-	-	-	-	-	-	-	-	-
Hypertensive diseases	I10-I15	51,957	25	157	650	2,189	6,172	11,380	14,361	17,023
Ischemic heart disease	I20-I25	28,112	5	38	150	664	2,538	5,800	8,643	10,273
Cardiac arrest	I46	28,532	74	272	662	1,877	4,189	6,623	7,187	7,648
Cardiac arrhythmia	I44, I45, I47-I49	16,336	14	35	102	361	1,177	2,948	4,963	6,736
Heart failure	I50	17,224	8	53	123	430	1,391	2,961	4,844	7,414
Cerebrovascular diseases	I60-I69	12,341	9	40	127	450	1,398	2,759	3,582	3,975
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	14,572	64	146	342	807	1,875	3,216	3,742	4,380
Sepsis	A40-A41	22,895	53	217	543	1,648	3,896	6,388	5,896	4,254
Malignant neoplasms	C00-C97	11,724	37	54	146	422	1,558	3,085	3,535	2,887
Diabetes	E10-E14	39,855	63	251	874	2,638	6,484	10,716	10,835	7,994
Obesity	E65-E68	9,293	121	416	937	1,607	2,313	2,316	1,246	337
Alzheimer disease	G30	9,376	0	0	0	6	73	630	2,714	5,953
Vascular and unspecified dementia	F01, F03	27,350	0	1	2	31	403	2,500	8,152	16,261

Renal failure	N17–N19	22,189	27	175	451	1,349	3,291	5,672	5,960	5,262
Intentional and unintentional injury, poisoning and other adverse events	S00–T98, V01–X59, X60–X84, X85–Y09, Y10–Y36, Y40–Y89, U01–U03	8,919	88	254	332	533	1,056	1,691	2,106	2,859
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	128,561	422	1,139	2,548	6,710	16,891	29,893	34,495	36,455

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.

