



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: Renal failure

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of November 18, 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

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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 Intentional and unintentional injury, poisoning and other adverse events.***

Updated Renal failure

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	231,197	2,512,880	235,070	105,255	6,809	366,793	328,239,523
	Under 1 year	27	14,251	133	4	15	171	3,783,052
	1–4 years	16	2,643	89	2	42	145	15,793,631
	5–14 years	40	4,258	119	7	53	205	40,994,163
	15–24 years	418	27,290	552	146	55	875	42,687,510
	25–34 years	1,769	55,812	1,958	781	153	3,084	45,940,321
	35–44 years	4,554	78,868	4,398	2,013	250	7,160	41,659,144
	45–54 years	12,033	143,604	11,488	5,691	590	18,311	40,874,902
	55–64 years	29,016	329,033	30,836	14,306	1,255	46,578	42,448,537
	65–74 years	49,862	498,849	52,603	24,515	1,481	79,182	31,483,433

75–84 years	61,860	607,229	64,519	29,106	1,505	98,562	15,969,872
85 years and over	71,602	751,043	68,375	28,684	1,410	112,520	6,604,958
Males							
All ages	125,091	1,311,803	129,300	59,663	3,515	197,612	161,657,324
Under 1 year	19	7,884	79	3	7	102	1,935,117
1–4 years	8	1,542	44	1	25	76	8,074,090
5–14 years	25	2,551	63	6	24	106	20,941,023
15–24 years	255	20,212	337	88	27	528	21,810,359
25–34 years	1,144	39,488	1,205	494	78	1,923	23,359,180
35–44 years	3,064	51,925	2,757	1,355	133	4,577	20,792,080
45–54 years	8,156	90,204	7,162	3,871	352	11,724	20,171,966
55–64 years	18,718	202,441	18,772	9,165	714	28,888	20,499,219
65–74 years	30,525	289,454	31,604	15,141	827	47,654	14,699,579
75–84 years	34,172	315,489	36,297	16,575	750	54,523	6,998,223
85 years and over	29,005	290,613	30,980	12,964	578	47,511	2,376,488
Females							
All ages	106,100	1,200,984	105,763	45,588	3,293	169,171	166,582,199
Under 1 year	8	6,343	54	1	8	69	1,847,935
1–4 years	8	1,101	45	1	17	69	7,719,541
5–14 years	15	1,707	56	1	29	99	20,053,140
15–24 years	163	7,075	215	58	28	347	20,877,151
25–34 years	625	16,322	753	287	75	1,161	22,581,141
35–44 years	1,490	26,940	1,641	658	117	2,583	20,867,064
45–54 years	3,875	53,396	4,325	1,819	238	6,585	20,702,936
55–64 years	10,298	126,583	12,063	5,141	540	17,688	21,949,318

65-74 years	19,336	209,385	20,998	9,373	654	31,527	16,783,854
75-84 years	27,687	291,725	28,220	12,530	755	44,037	8,971,649
85 years and over	42,595	460,407	37,393	15,719	832	65,006	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.

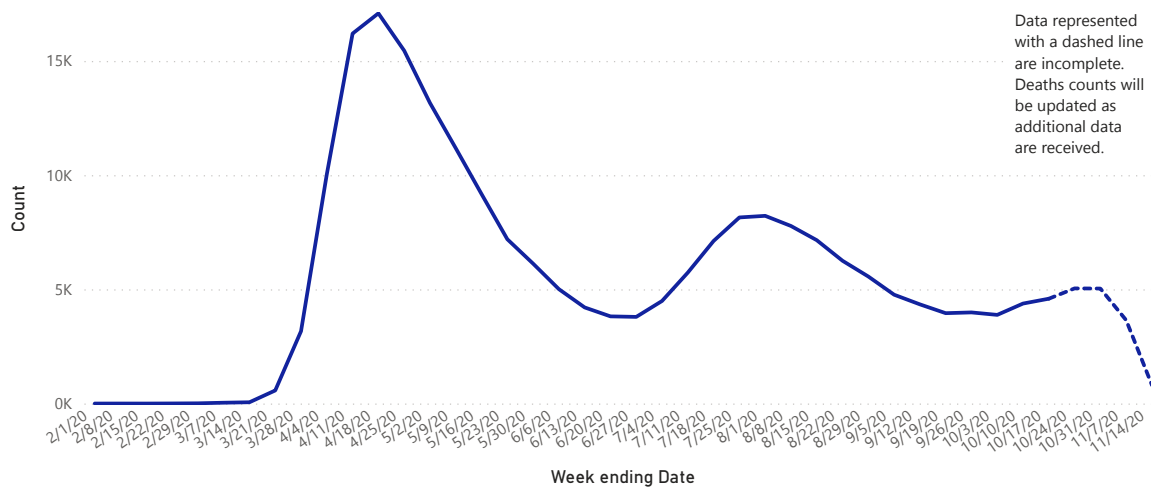
⁴Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

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

Select Sex: | Select Measure: | Select Age Group: | Reporting Period:

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.

SOURCE: NCHS National Vital Statistics System. Estimates are based on provisional data.

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 Intentional and unintentional injury, poisoning and other adverse events.*

Updated Renal failure

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	231,197	2,512,880	235,070	105,255	6,809
Healthcare setting, inpatient	149,775	735,361	168,639	84,034	4,122
Healthcare setting, outpatient or emergency room	7,892	149,524	7,546	2,556	248
Healthcare setting, dead on arrival	214	7,186	156	55	13
Decedent's home	12,787	853,772	16,132	2,744	1,471
Hospice facility	6,920	156,875	11,304	3,249	319
Nursing home/long term care facility	49,334	434,516	27,397	11,506	535
Other	4,165	172,376	3,812	1,079	100
Place of death unknown	110	3,270	84	32	1

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

Table 3 shows the types of health conditions and contributing causes mentioned in conjunction with deaths involving coronavirus disease 2019 (COVID-19). For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 2.6 additional conditions or causes per death. The number of deaths with each condition or cause is shown for all deaths and by age groups. For data on comorbidities,

 [Click here to download](#)

▼ **Table 3. Conditions contributing to deaths involving coronavirus disease 2019 (COVID-19), by age group, United States. Week ending 2/1/2020 to Intentional and unintentional injury, poisoning and other adverse events.***

Updated Renal failure

Conditions Contributing to Deaths where COVID-19 was listed on the death certificate ¹	ICD-10 codes	Number of Conditions								
		Age Group								
		All ages	0-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Total COVID-19 deaths ² , as of Intentional and unintentional injury, poisoning and other adverse events	U071	228,031	499	1,761	4,508	11,914	28,693	49,231	60,885	70,534
Respiratory diseases		-	-	-	-	-	-	-	-	-
75-84 years	61860	36,855	11,391	493	2,309	54	181	10,185	392	
Ischemic heart disease	I20-I25	26,200	4	36	144	628	2,409	5,442	7,987	9,549
85 years and over	71602	51,673	8,679	285	2,671	27	142	7,844	281	
Cardiac arrest	I46	27,225	70	260	643	1,802	3,992	6,328	6,827	7,303
Cardiac arrhythmia	I44, I45, I47-I49	15,014	13	33	99	341	1,103	2,750	4,519	6,156
Heart failure	I50	15,822	7	53	118	409	1,305	2,760	4,435	6,735
Cerebrovascular diseases	I60-I69	11,458	7	38	120	422	1,324	2,593	3,309	3,644
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	13,438	63	143	321	770	1,759	2,985	3,407	3,990
Sepsis	A40-A41	21,576	51	209	521	1,578	3,716	6,027	5,497	3,977
Malignant neoplasms	C00-C97	10,891	36	52	140	400	1,462	2,880	3,243	2,678
Diabetes	E10-E14	37,412	58	244	835	2,526	6,168	10,118	10,054	7,409
Obesity	E65-E68	8,704	117	405	896	1,501	2,187	2,162	1,126	310

Influenza and pneumonia	J09-J18	98,984	165	798	2,028	5,755	13,903	23,000	26,638	26,694
Alzheimer disease	G30	8,644	0	0	0	5	66	587	2,512	5,474
Chronic lower respiratory diseases	J40-J47	20,279	33	85	189	548	2,111	4,913	6,527	5,872
Adult respiratory distress syndrome	J80	28,715	80	317	840	2,373	5,195	7,677	6,991	5,240
Respiratory failure	J96	80,425	146	573	1,467	4,378	10,730	18,965	22,494	21,670
Respiratory arrest	R09.2	4,636	10	33	83	222	517	951	1,240	1,580
Other diseases of the respiratory system	J00-J06, J20-J39, J60-J70, J81-J86, J90-J95, J97-J99, U04	8,819	25	79	195	487	1,163	1,997	2,386	2,487
Circulatory diseases		-	-	-	-	-	-	-	-	-
Hypertensive diseases	I10-I15	48,962	24	153	631	2,083	5,918	10,779	13,466	15,908
Condition	ICD10_codes	All ages	0	25	35	45	55	65	75	85

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.

