



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: October 21, 2020



Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of October 21, 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 10/17/2020

Updated October 21, 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	207,882	2,270,323	213,029	94,396	6,734	332,245	328,239,523
	Under 1 year	25	12,832	119	4	16	156	3,783,052
	1–4 years	15	2,413	77	2	42	132	15,793,631
	5–14 years	39	3,814	108	7	53	193	40,994,163
	15–24 years	383	24,621	494	135	55	793	42,687,510
	25–34 years	1,628	50,306	1,797	727	151	2,835	45,940,321
	35–44 years	4,206	71,141	4,041	1,871	249	6,596	41,659,144
	45–54 years	11,093	130,088	10,515	5,229	585	16,857	40,874,902
	55–64 years	26,525	297,499	28,034	13,012	1,245	42,573	42,448,537
	65–74 years	45,015	450,532	47,547	21,972	1,459	71,807	31,483,433
	75–84							

years	55,089	548,255	58,214	25,829	1,488	88,753	15,969,872
85 years and over	63,864	678,822	62,083	25,608	1,391	101,550	6,604,958
Males							
All ages	112,487	1,185,018	116,987	53,397	3,472	178,933	161,657,324
Under 1 year	17	7,120	70	3	8	92	1,935,117
1–4 years	7	1,401	38	1	25	69	8,074,090
5–14 years	25	2,277	55	6	24	98	20,941,023
15–24 years	235	18,248	303	83	27	479	21,810,359
25–34 years	1,063	35,549	1,112	462	76	1,780	23,359,180
35–44 years	2,847	46,878	2,541	1,267	132	4,231	20,792,080
45–54 years	7,541	81,821	6,570	3,572	349	10,814	20,171,966
55–64 years	17,164	183,081	17,083	8,365	708	26,441	20,499,219
65–74 years	27,591	261,610	28,607	13,583	814	43,273	14,699,579
75–84 years	30,358	284,826	32,643	14,637	741	48,987	6,998,223
85 years and over	25,639	262,207	27,965	11,418	568	42,669	2,376,488
Females							
All ages	95,389	1,085,215	96,035	40,995	3,261	153,302	166,582,199
Under 1 year	8	5,690	49	1	8	64	1,847,935
1–4 years	8	1,012	39	1	17	63	7,719,541
5–14 years	14	1,537	53	1	29	95	20,053,140
15–24 years	148	6,370	191	52	28	314	20,877,151
25–34 years	565	14,755	685	265	75	1,055	22,581,141
35–44 years	1,359	24,258	1,500	604	117	2,365	20,867,064
45–54 years	3,550	48,263	3,944	1,656	236	6,041	20,702,936
55–64 years	9,361	114,409	10,950	4,647	536	16,130	21,949,318

65–74 years	17,423	188,912	18,939	8,388	645	28,533	16,783,854
75–84 years	24,730	263,415	25,569	11,191	747	39,764	8,971,649
85 years and over	38,223	416,594	34,116	14,189	823	58,878	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.

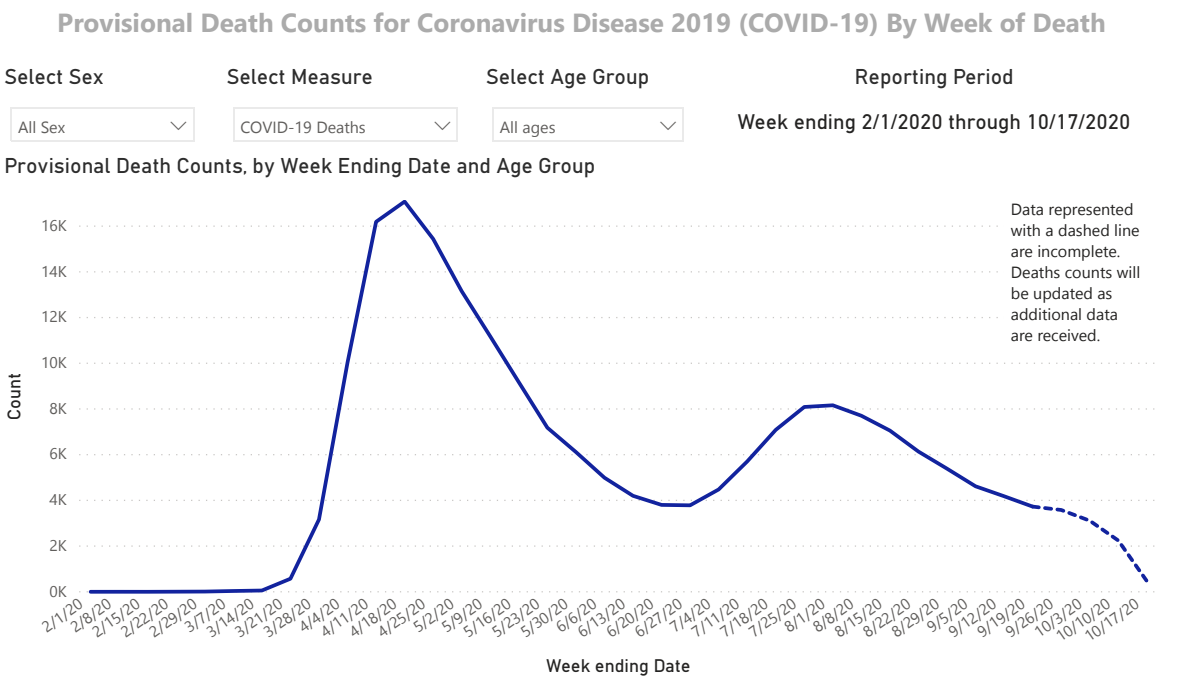
¹Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1

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.



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 10/17/2020.*

Updated October 21, 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	207,882	2,270,323	213,029	94,396	6,734
Healthcare setting, inpatient	135,340	663,752	152,498	75,320	4,082
Healthcare setting, outpatient or emergency room	7,187	134,736	6,910	2,348	243
Healthcare setting, dead on arrival	192	6,528	146	50	12
Decedent's home	11,281	770,202	14,558	2,388	1,451
Hospice facility	6,267	142,241	10,283	2,923	318
Nursing home/long term care facility	43,879	394,864	25,095	10,364	529
Other	3,648	155,331	3,466	974	99
Place of death unknown	88	2,669	73	29	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

 [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 10/17/2020.*

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[illegible]

diseases	I60–I69	10,107	7	33	106	381	1,173	2,293	2,931	3,182
Other diseases of the circulatory system	I00–I09, I26–I43, I51, I52, I70–I99	11,731	57	128	274	676	1,555	2,624	2,943	3,474
Sepsis	A40–A41	19,225	48	182	476	1,427	3,363	5,362	4,836	3,531
Malignant neoplasms	C00–C97	9,539	33	45	129	364	1,297	2,483	2,847	2,341
Diabetes	E10–E14	33,603	56	218	772	2,311	5,601	9,118	8,950	6,576
Obesity	E65–E68	7,759	106	368	825	1,350	1,947	1,896	989	277
Alzheimer disease	G30	7,440	0	0	0	3	62	503	2,182	4,690
Vascular and unspecified dementia	F01, F03	22,874	0	0	2	25	354	2,142	6,804	13,546
Renal failure	N17–N19	18,379	23	152	388	1,184	2,813	4,762	4,805	4,250
Intentional and unintentional injury, poisoning and other adverse events	S00–T98, V01–X59, X60–X84, X85–Y09, Y10–Y36, Y40–Y89, U01–U03	7,096	64	220	267	443	862	1,381	1,681	2,178
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	104,366	362	980	2,139	5,760	14,172	24,521	27,382	29,043

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.

