



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: January 21, 2021

i Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of January 21, 2021. 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.

As of January 4, 2021, the tables and datasets on this page include data from January 2020 through the present data period. Cumulative death totals will be higher than previous reports which were restricted to include data from the week ending February 1, 2020.

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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, from 1/1/2020 to 1/16/2021.*

Updated January 21, 2021

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	347,131	3,329,907	331,354	161,474	8,726	524,629	328,239,523
	Under 1 year	39	18,436	193	6	21	247	3,783,052
	1–4 years	21	3,388	120	3	59	197	15,793,631
	5–14 years	58	5,440	153	11	74	274	40,994,163
	15–24 years	525	34,922	710	188	80	1,123	42,687,510
	25–34 years	2,278	71,710	2,577	1,012	232	4,058	45,940,321
	35–44 years	5,991	102,128	5,872	2,718	353	9,465	41,659,144
	45–54 years	16,282	186,691	15,505	7,950	761	24,488	40,874,902
	55–64 years	40,758	431,615	41,990	20,616	1,608	63,508	42,448,537

65–74 years	73,856	661,771	74,220	37,521	1,865	112,151	31,483,433
75–84 years	95,848	809,670	92,804	46,562	1,887	143,734	15,969,872
85 years and over	111,475	1,004,136	97,210	44,887	1,786	165,384	6,604,958

Males

All ages	188,195	1,739,086	183,416	92,386	4,498	283,045	161,657,324
Under 1 year	27	10,182	112	4	10	145	1,935,117
1–4 years	12	1,958	57	2	38	105	8,074,090
5–14 years	33	3,247	82	8	36	143	20,941,023
15–24 years	318	25,830	428	112	37	668	21,810,359
25–34 years	1,454	50,619	1,560	626	114	2,491	23,359,180
35–44 years	4,005	67,019	3,655	1,831	184	5,989	20,792,080
45–54 years	10,926	117,098	9,580	5,339	445	15,536	20,171,966
55–64 years	26,118	265,632	25,561	13,123	922	39,320	20,499,219
65–74 years	45,259	384,284	44,768	23,253	1,038	67,636	14,699,579
75–84 years	53,624	422,034	52,798	27,064	948	80,170	6,998,223
85 years and over	46,419	391,183	44,815	21,024	726	70,842	2,376,488

Females

All ages	158,929	1,590,718	147,932	69,083	4,228	241,576	166,582,199
Under 1 year	12	8,221	81	2	11	102	1,847,935
1–4 years	9	1,430	63	1	21	92	7,719,541
5–14 years	25	2,193	71	3	38	131	20,053,140
15–24 years	207	9,090	282	76	43	455	20,877,151
25–34 years	824	21,086	1,017	386	118	1,567	22,581,141
35–44 years	1,986	35,106	2,217	887	169	3,476	20,867,064
45–54 years	5,355	69,589	5,924	2,610	316	8,951	20,702,936

55-64 years	14,640	165,975	16,429	7,493	686	24,188	21,949,318
65-74 years	28,596	277,479	29,451	14,267	827	44,514	16,783,854
75-84 years	42,221	387,624	40,003	19,496	939	63,560	8,971,649
85 years and over	65,054	612,925	52,394	23,862	1,060	94,540	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.

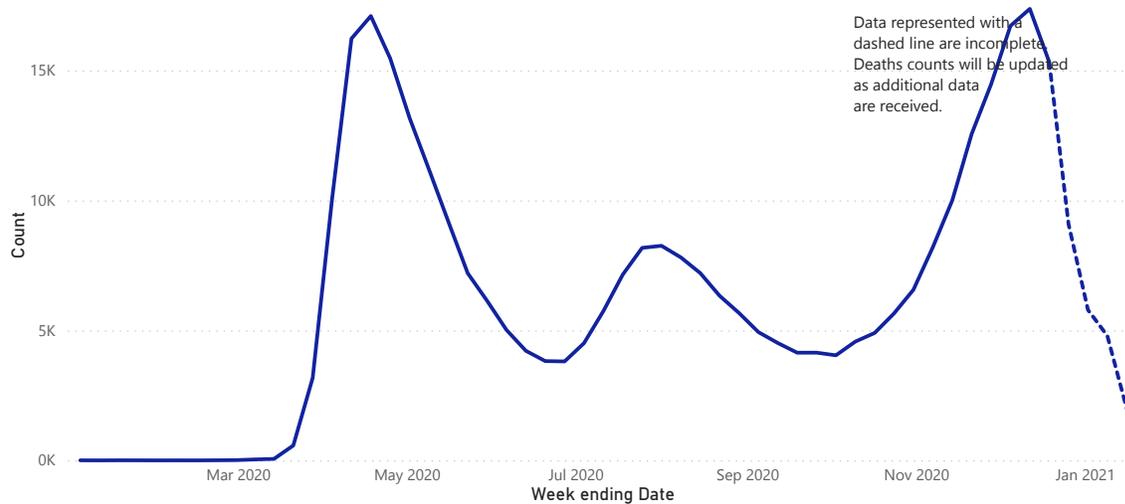
⁴Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

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 Medical-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, from 1/1/2020 to 1/16/2021.*

Updated January 21, 2021

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	347,131	3,329,907	331,354	161,474	8,726
Healthcare setting, inpatient	221,809	993,433	240,065	129,150	5,493
Healthcare setting, outpatient or emergency room	11,413	198,909	10,289	3,679	371
Healthcare setting, dead on arrival	304	9,473	229	85	17
Decedent's home	20,616	1,119,088	22,607	4,939	1,675
Hospice facility	9,925	203,033	15,274	4,803	405
Nursing home/long term care facility	76,394	578,790	37,543	17,074	630
Other	6,501	223,855	5,246	1,698	132
Place of death unknown	169	3,326	101	46	3

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 2.9 additional conditions or causes per death. The number of mentions for each condition or cause is shown for all deaths and by age groups.

Starting December 23, 2020, the data file will also include the number of deaths that mention the listed conditions. The new column, "COVID-19 Deaths" represents the number of deaths that mention one or more of the conditions indicated. The data file's existing "Number of Mentions" column represents the number of total conditions mentioned for each age group.

For data on the comorbidities and conditions mentioned in COVID-19 deaths, [Click here to download](#).

Table 3. Conditions contributing to deaths involving coronavirus disease 2019 (COVID-19), by age group, United States. Week ending 1/4/2020 to 1/16/2021.*

Updated January 21, 2021

		Number of Conditions								
		Age Group								
Conditions Contributing to Deaths where COVID-19 was listed on the death certificate ¹	ICD-10 codes	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 1/16/2021	U071	339,168	635	2,245	5,860	15,942	39,857	72,198	93,529	108,895
Respiratory diseases		-	-	-	-	-	-	-	-	-
Influenza and pneumonia	J09-J18	149,667	210	1,017	2,695	7,882	19,732	34,699	42,145	41,283
Chronic lower respiratory diseases	J40-J47	30,669	38	104	241	723	2,969	7,324	10,181	9,088
Adult respiratory distress syndrome	J80	38,322	104	380	1,048	3,026	6,814	10,466	9,632	6,850
Respiratory failure	J96	123,764	175	733	1,964	6,003	15,424	28,957	36,136	34,369
Respiratory arrest	R09.2	7,100	14	46	109	305	757	1,410	1,935	2,524
Other diseases of the respiratory system	J00-J06, J20-J39, J60-J70, J81-J86, J90-J95, J97-J99, U04	12,890	34	103	261	667	1,693	2,959	3,584	3,589
Circulatory diseases		-	-	-	-	-	-	-	-	-
Hypertensive diseases	I10-I15	68,216	25	189	801	2,703	7,718	14,676	19,072	23,032
Ischemic heart	I20-I25	38,585	7	50	183	855	3,315	7,945	12,069	14,160

disease										
Cardiac arrest	I46	38,457	87	333	848	2,413	5,522	9,004	9,985	10,265
Cardiac arrhythmia	I44, I45, I47-I49	23,544	17	46	135	478	1,594	4,147	7,257	9,870
Heart failure	I50	24,593	11	55	153	544	1,807	4,143	7,001	10,879
Cerebrovascular diseases	I60-I69	16,855	14	49	169	569	1,807	3,638	4,911	5,697
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	20,773	79	199	433	1,068	2,513	4,497	5,606	6,378
Sepsis	A40-A41	30,760	61	251	677	2,107	5,073	8,608	8,210	5,773
Malignant neoplasms	C00-C97	16,438	42	66	195	567	2,111	4,305	5,036	4,116
Diabetes	E10-E14	53,322	71	296	1,074	3,301	8,361	14,366	14,871	10,982
Obesity	E65-E68	12,526	137	511	1,140	2,058	3,101	3,292	1,798	489
Alzheimer disease	G30	13,264	0	0	2	8	106	865	3,789	8,494
Vascular and unspecified dementia	F01, F03	37,013	0	1	3	39	502	3,235	10,978	22,255
Renal failure	N17-N19	30,504	36	209	574	1,706	4,266	7,671	8,532	7,508
Intentional and unintentional injury, poisoning and other adverse events	S00-T98, V01-X59, X60-X84, X85-Y09, Y10-Y36, Y40-Y89, U01-U03	12,380	118	289	405	662	1,392	2,337	3,035	4,142
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	179,741	535	1,404	3,199	8,675	22,358	41,230	49,567	52,765

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 2014–2019](#)  – Weekly counts of leading causes of death based on final underlying cause mortality data for years 2014–2019.
- [Provisional data for 2020–2021](#)  – Weekly counts of leading causes of death based on provisional underlying cause mortality data for 2020–2021, 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.