CDC Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Weekly Updates by Select Demographic and Geographic Characteristics

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

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ⓘ Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of June 16, 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.

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For the Index of Provisional COVID-19 Mortality Surveillance and Ad-hoc Data Files, click here.

The provisional counts for coronavirus disease 2019 (COVID-19) deaths are based on a current flow of mortality data in the National Vital Statistics System. National provisional counts include deaths occurring within the 50 states and the District of Columbia that have been received and coded as of the date specified. It is important to note that it can take several weeks for death records to be submitted to National Center for Health Statistics (NCHS), processed, coded, and tabulated. Therefore, the data shown on this page may be incomplete, and will likely not include all deaths that occurred during a given time period, especially for the more recent time periods. Death counts for earlier weeks are continually revised and may increase or decrease as new and updated death certificate data are received from the states by NCHS. COVID-19 death counts shown here may differ from other published sources, as data currently are lagged by an average of 1–2 weeks.

Sex and Age

Table 1 has counts of deaths involving COVID-19 and other select causes of death by time-period in which the death occurred, sex and age group. For data on deaths involving COVID-19 by month, year, jurisdiction, sex, and age, ⟨ 🎯 Click here to download ⟩. This data file contains two sets of age groups: (1) age-groups consistent with those used across CDC COVID-19 surveillance pages, and (2) age groups that are routinely included in NCHS morality reports. 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. For data on deaths involving COVID-19 by week, sex, and age (by NCHS age groups), ⟨ 🎯 Click here to download ⟩. 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 time-period, jurisdiction of occurrence, sex and age-group.

Data as of: 6/16/2021

State: United States

Sex: All

Age Group: All

Year in which death occurred	Sex	Age Group	All Deaths involving COVID-19 [1]	Deaths from All Causes	Deaths involving Pneumonia [2]	Deaths involving COVID-19 and Pneumonia [2]	All Deaths involving Influenza [3]	Deaths involving Pneumonia, Influenza, or COVID-19 [4]
2020/2021	All Sexes	0-17 years	322	46,977	773	61	183	1,217
2020/2021	All Sexes	18-29 years	2,359	88,882	2,533	1,042	151	3,989
2020/2021	All Sexes	30-39 years	6,783	126,724	6,193	3,152	321	10,121
2020/2021	All Sexes	40-49 years	18,117	189,780	15,393	8,937	500	25,002
2020/2021	All Sexes	50-64 years	92,940	792,949	85,547	49,466	2,169	130,851
2020/2021	All Sexes	65-74 years	131,404	967,759	121,526	70,735	1,972	183,846
2020/2021	All Sexes	75-84 years	162,054	1,166,292	145,454	82,519	1,993	226,706
2020/2021	All Sexes	85 years and over	176,112	1,412,495	143,357	73,672	1,872	247,432
2020/2021	All Sexes	All Ages	590,091	4,791,858	520,776	289,584	9,161	829,164
2020/2021	Female	0-17 years	139	19,501	348	26	83	544
2020/2021	Female	18-29 years	904	23,882	1,008	430	73	1,552
2020/2021	Female	30-39 years	2,432	40,745	2,388	1,134	163	3,841
2020/2021	Female	40-49 years	6,323	69,011	5,919	3,134	221	9,309
2020/2021	Female	50-64 years	33,452	302,612	33,205	18,081	913	49,383

Yearly   Monthly   Total

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NOTE: Empty data cells represent counts between 1-9 that have been suppressed in accordance with NCHS confidentiality standards. Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and may 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 recent periods 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. United States death counts include the 50 states, plus the District of Columbia and New York City. New York state estimates exclude New York City.

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

[2] Counts of deaths involving pneumonia (J12.0-J18.9) include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

[3] Counts of deaths involving influenza (J09-J11) include deaths with pneumonia or COVID-19 also listed as a cause of death.
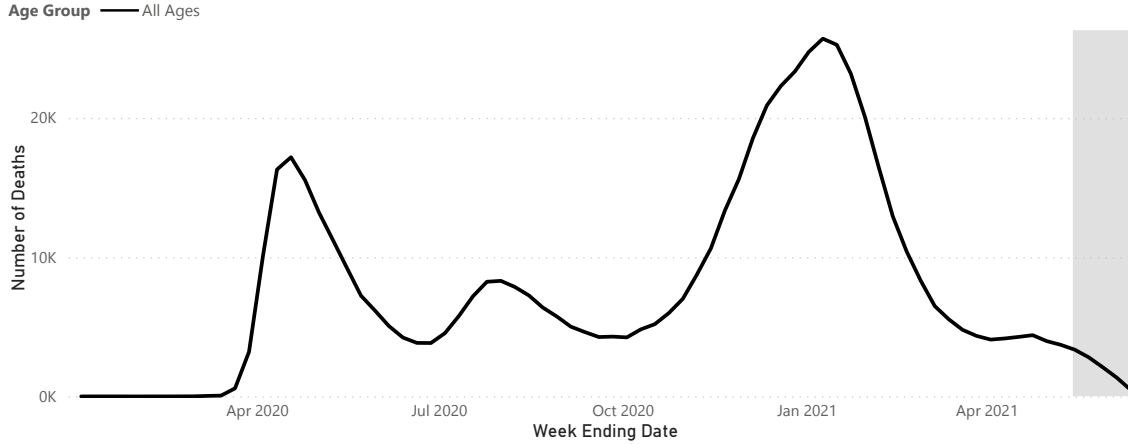
[4] Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD–10 codes U07.1 or J09–18.9.

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

Select Sex	Select Measure	Select Age Group	Reporting Period
All Sex	COVID-19 Deaths	All Ages	Week ending 1/4/2020 through 6/12/20…

Data represented in the gray shaded area are incomplete. Deaths counts will be updated as additional data are received.
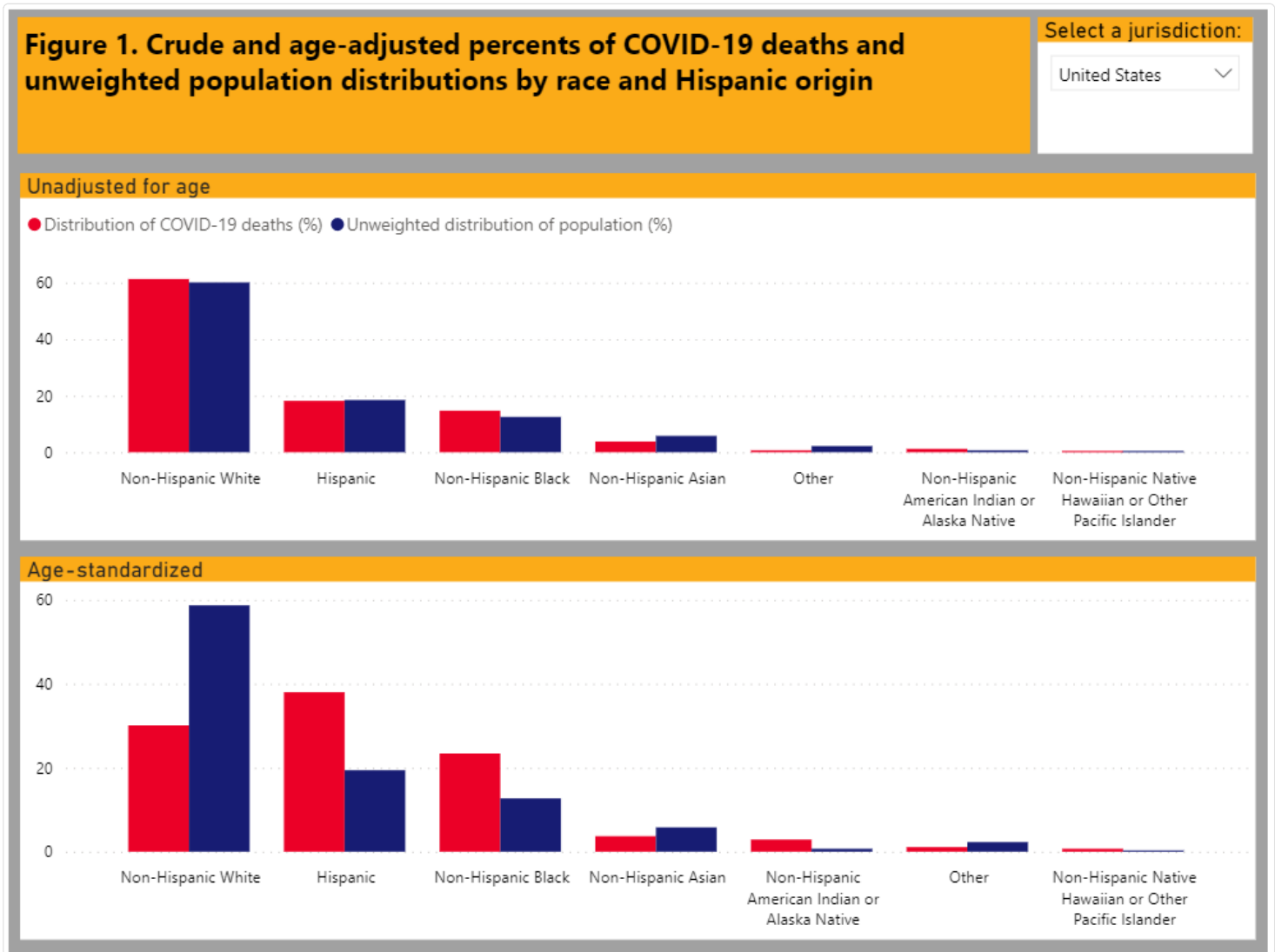
Provisional Death Counts, by Week Ending Date and Age Group

Age Group ——All Ages

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 in the gray shaded area) 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.

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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 page.

Figure 1. Crude and age-adjusted percents of COVID-19 deaths and unweighted population distributions by race and Hispanic origin

Place of death

Table 2 presents death counts involving COVID-19 and other select causes of death by time-period in which the death occurred, and the place of death. For data on deaths involving COVID-19 by time-period, jurisdiction and the place of death, (🎯 Click here to download). For data on deaths involving COVID-19 by time-period, jurisdiction, place of death, and age group, (🎯 Click here to download).

Table 2. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by time-period, jurisdiction of occurrence, and place of death.
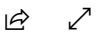
Data as of: 6/16/2021

State: United States

Place of Death: All

Year in which death occurred ▼	State	Place of Death	All Deaths involving COVID-19 [1]	Deaths from All Causes	Deaths involving Pneumonia [2]	Deaths involving COVID-19 and Pneumonia [2]	All Deaths involving Influenza [3]	Deaths involving Pneumonia, Influenza, or COVID-19 [4]
2020/2021	United States	Decedent's home	42,314	1,605,872	35,482	11,034	1,736	67,640
2020/2021	United States	Healthcare setting, dead on arrival	538	13,430	332	145	18	743
2020/2021	United States	Healthcare setting, inpatient	386,707	1,487,827	387,688	235,259	5,799	544,602
2020/2021	United States	Healthcare setting, outpatient or emergency room	19,148	284,231	15,087	6,225	390	28,383
2020/2021	United States	Hospice facility	17,569	288,607	22,874	8,638	416	32,206
2020/2021	United States	Nursing home/long term care facility	111,939	787,918	51,145	24,972	659	138,734
2020/2021	United States	Other	11,690	320,748	8,062	3,257	140	16,616
2020/2021	United States	Place of death unknown	198	3,374	118	60	3	258
2020/2021	United States	Total - All Places of Death	590,103	4,792,007	520,788	289,590	9,161	829,182

Yearly   Monthly   Total

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NOTE: Empty data cells represent counts between 1-9 that have been suppressed in accordance with NCHS confidentiality standards. Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and may 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 recent periods 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. United States death counts include the 50 states, plus the District of Columbia and New York City. New York state estimates exclude New York City.
[1] Deaths with confirmed or presumed COVID-19, coded to ICD–10 code U07.1.
[2] Counts of deaths involving pneumonia (J12.0-J18.9) include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.
[3] Counts of deaths involving influenza (J09-J11) include deaths with pneumonia or COVID-19 also listed as a cause of death.
[4] Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD–10 codes U07.1 or J09-18.9.

Comorbidities and other conditions

Table 3 shows the types of health conditions and contributing causes mentioned in conjunction with deaths involving coronavirus disease 2019 (COVID-19). The number of deaths that mention one or more of the conditions indicated is shown for all deaths involving COVID-19 and by age groups. For over 5% of these deaths, COVID-19 was the only cause

mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death. For data on deaths involving COVID-19 by time-period, jurisdiction, and other health conditions, [⟳ Click here to download].

	Data as of:
Table 3. Number of COVID-19 deaths with contributing conditions, by time-period, jurisdiction of occurrence, and age-group.	6/13/2021

State	Attribute	Condition Group	Condition	
United States ⌄	COVID-19 Deaths ⌄	All ⌄	All ⌄	

Year in which death occurred ▼	Conditions contributing to deaths where COVID-19 was listed on the death certificate [1] ▲	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
2020/2021	Influenza and pneumonia	270,984	418	1,910	5,072	15,012	38,093	65,833	75,760	68,880
2020/2021	Chronic lower respiratory diseases	52,192	64	175	419	1,307	5,332	12,829	17,430	14,635
2020/2021	Adult respiratory distress syndrome	61,409	166	659	1,756	5,216	11,867	17,705	14,929	9,110
2020/2021	Respiratory failure	221,840	317	1,335	3,710	11,440	30,244	54,650	64,032	56,108
2020/2021	Respiratory arrest	12,390	20	76	184	546	1,408	2,563	3,432	4,161
2020/2021	Other diseases of the respiratory system	25,164	74	223	520	1,418	3,663	6,144	7,021	6,101
2020/2021	Hypertensive diseases	115,792	39	343	1,445	4,874	13,832	25,889	32,477	36,890
2020/2021	Ischemic heart disease	64,396	13	85	356	1,617	5,989	13,748	20,285	22,301
2020/2021	Cardiac arrest	71,360	140	594	1,606	4,670	10,842	17,161	18,555	17,791
2020/2021	Cardiac arrhythmia	43,928	28	91	254	944	3,309	8,161	13,672	17,469
2020/2021	Heart failure	45,142	23	116	339	1,098	3,476	8,021	13,135	18,933
2020/2021	Cerebrovascular diseases	29,326	31	96	309	1,059	3,206	6,464	8,536	9,624
2020/2021	Other diseases of the circulatory system	38,317	133	365	801	2,107	5,057	8,678	10,340	10,835
2020/2021	Sepsis	56,715	121	462	1,332	3,972	9,938	16,299	14,951	9,639
2020/2021	Malignant neoplasms	28,309	73	111	329	1,075	3,694	7,562	8,752	6,713
2020/2021	Diabetes	93,979	114	541	1,928	6,038	15,402	25,981	26,064	17,909
2020/2021	Obesity	23,859	246	994	2,138	4,016	6,148	6,262	3,233	821

Yearly	Monthly	Total

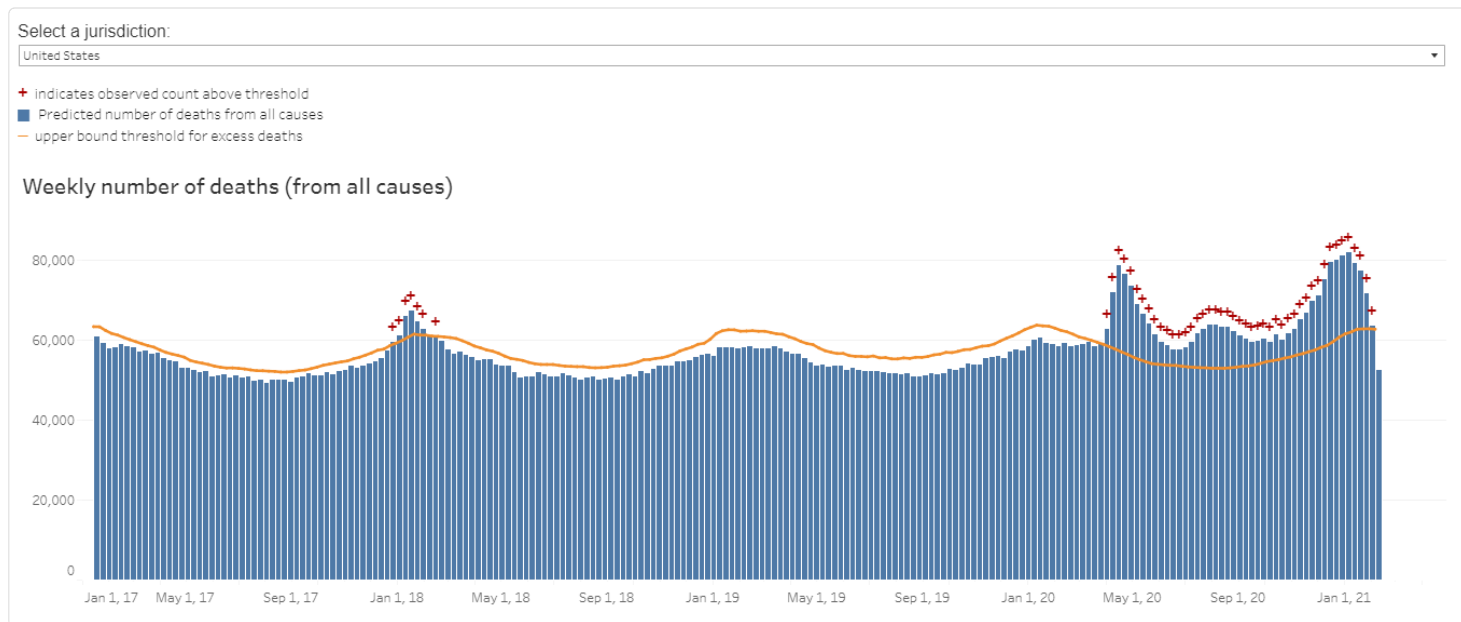Microsoft Power BI   ‹ 3 of 3 ›   ↗ ⤢

NOTE: Empty data cells represent counts between 1-9 that have been suppressed in accordance with NCHS confidentiality standards. Conditions 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. Some deaths involve more than one of the same condition category (e.g. deaths involving unintentional and intentional injury often include two or more injury ICD-10 codes), the number of mentions presented on the table above represents the number of instances where the condition was cited on the death certificate. Number of deaths and number of mentions 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 National Vital Statistics System (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 recent periods 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. United States death counts include the 50 states, plus the District of Columbia and New York City. New York state estimates exclude New York City.
[1] Deaths 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.

Additional data (leading causes of death, county, etc.)

Leading causes of death

Weekly final data for 2014–2019
Weekly counts of leading causes of death based on final underlying cause mortality data for years 2014–2019, by state.

Weekly provisional data for 2020–2021
Weekly counts of leading causes of death based on provisional underlying cause mortality data for 2020–2021, by state.

Monthly final data for 2014–2019
Monthly counts of leading causes of death, including injury-related causes, based on final underlying cause mortality data for years 2014–2019, for the U.S.

Monthly provisional data for 2020–2021
Monthly counts of leading causes of death, including injury-related causes, based on provisional underlying cause mortality data for 2020–2021, for the U.S.

County–level data

Provisional COVID-19 Death Counts in the United States by County
Deaths involving COVID-19 and total deaths per county. Counties included in this file had 10 or more COVID-19 deaths at the time of analysis.

Provisional COVID-19 Deaths by County and Race and Hispanic Origin
Deaths involving COVID-19 and total deaths per county, by race and Hispanic origin for counties with more than 100 COVID-19 deaths.

Urban/Rural Status

Provisional COVID-19 Deaths by Urbanicity and Week
Deaths involving COVID-19 and total deaths, by week and urbanicity. Urbanicity is defined as metropolitan and non-metropolitan, using the NCHS Urban-Rural classification scheme.

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.

Page last reviewed: June 16, 2021
Content source: National Center for Health Statistics