



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)

## Contents

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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 30, 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.

## List of Topics

1. [Sex and age](#)
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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.

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## 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:  
6/30/2021

State			Sex		Age Group			
United States			All		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	326	48,513	792	62	185	1,241
2020/2021	All Sexes	18-29 years	2,408	91,534	2,606	1,066	151	4,087
2020/2021	All Sexes	30-39 years	6,913	130,608	6,349	3,216	322	10,344
2020/2021	All Sexes	40-49 years	18,435	195,004	15,722	9,101	500	25,485
2020/2021	All Sexes	50-64 years	94,211	813,115	87,179	50,209	2,174	133,014
2020/2021	All Sexes	65-74 years	132,611	991,043	123,362	71,398	1,981	186,233
2020/2021	All Sexes	75-84 years	163,161	1,193,317	147,448	83,102	1,996	229,227
2020/2021	All Sexes	85 years and over	177,021	1,443,475	145,127	74,034	1,873	249,750
2020/2021	All Sexes	All Ages	595,086	4,906,609	528,585	292,188	9,182	839,381
2020/2021	Female	0-17 years	139	20,151	359	26	83	555
2020/2021	Female	18-29 years	920	24,563	1,031	436	73	1,585
2020/2021	Female	30-39 years	2,475	41,954	2,447	1,158	164	3,920
2020/2021	Female	40-49 years	6,442	70,850	6,055	3,198	221	9,500
2020/2021	Female	50-64 years	33,983	310,409	33,857	18,389	915	50,259
Yearly			Monthly			Total		

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

All Sex

Select Measure

COVID-19 Deaths

Select Age Group

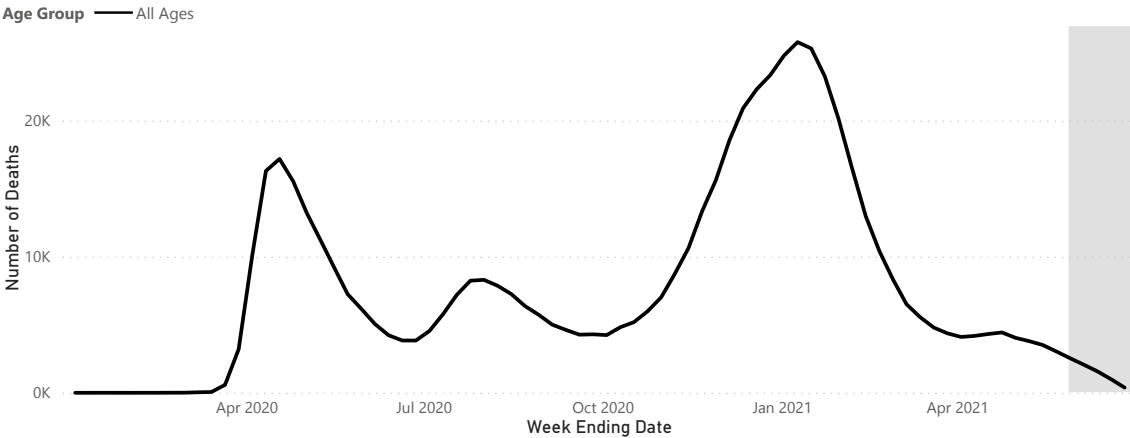
All Ages

Reporting Period

Week ending 1/4/2020 through 6/26/20...

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

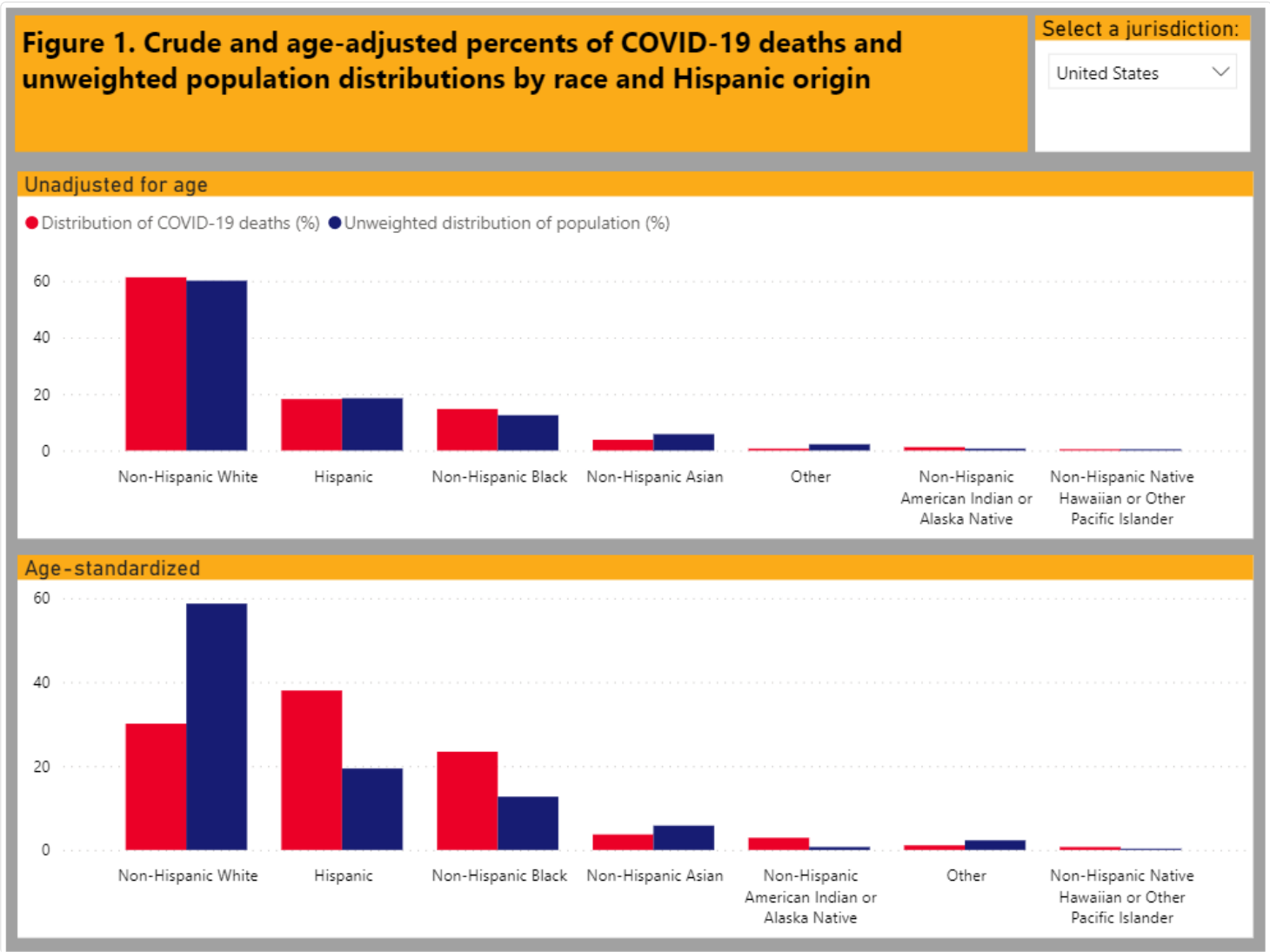


**NOTE:** Provisional death counts are based on death certificate data received and coded by NCHS as of the date of analysis and do not represent all deaths that occurred in that period. Data for the most recent 5 weeks (shown in the gray shaded area) are typically less than 90% complete, with lower levels of completeness in more recent weeks. Death counts are updated as additional deaths are received and coded.

SOURCE: NCHS Mortality Data, COVID-19 Data, Final Release, 2021

# 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.



## 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:  
6/30/2021

State		Place of Death						
United States		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	42,977	1,647,548	36,189	11,217	1,738	68,827
2020/2021	United States	Healthcare setting, dead on arrival	544	13,741	334	145	18	751
2020/2021	United States	Healthcare setting, inpatient	390,044	1,521,296	393,484	237,421	5,815	551,587
2020/2021	United States	Healthcare setting, outpatient or emergency room	19,338	291,085	15,321	6,281	390	28,751
2020/2021	United States	Hospice facility	17,760	296,250	23,265	8,716	417	32,711
2020/2021	United States	Nursing home/long term care facility	112,510	805,642	51,725	25,068	662	139,791
2020/2021	United States	Other	11,813	330,318	8,205	3,299	141	16,841
2020/2021	United States	Place of death unknown	112	882	74	47	1	140
2020/2021	United States	Total - All Places of Death	595,098	4,906,762	528,597	292,194	9,182	839,399
Yearly			Monthly			Total		

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.

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[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-J18.9.

## 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](#).



Table 3. Number of COVID-19 deaths with contributing conditions, by time-period, jurisdiction of occurrence, and age-group.

Data as of:  
6/27/2021

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	273,542	432	1,948	5,171	15,297	38,628	66,512	76,315	69,233	
2020/2021	Chronic lower respiratory diseases	52,682	66	180	423	1,331	5,417	12,972	17,567	14,725	
2020/2021	Adult respiratory distress syndrome	62,000	168	674	1,788	5,303	12,032	17,873	15,014	9,147	
2020/2021	Respiratory failure	223,858	325	1,355	3,780	11,635	30,636	55,243	64,500	56,380	
2020/2021	Respiratory arrest	12,497	20	78	186	553	1,426	2,589	3,455	4,190	
2020/2021	Other diseases of the respiratory system	25,556	78	228	529	1,460	3,753	6,238	7,107	6,163	
2020/2021	Hypertensive diseases	116,792	42	352	1,471	4,939	14,017	26,118	32,715	37,135	
2020/2021	Ischemic heart disease	64,957	13	88	362	1,640	6,076	13,884	20,456	22,436	
2020/2021	Cardiac arrest	71,957	143	608	1,623	4,737	10,967	17,313	18,684	17,881	
2020/2021	Cardiac arrhythmia	44,350	29	93	259	961	3,367	8,246	13,810	17,585	
2020/2021	Heart failure	45,599	23	123	349	1,114	3,523	8,124	13,254	19,088	
2020/2021	Cerebrovascular diseases	29,614	31	100	318	1,072	3,239	6,538	8,621	9,694	
2020/2021	Other diseases of the circulatory system	38,849	139	375	830	2,154	5,157	8,805	10,449	10,939	
2020/2021	Sepsis	57,347	122	472	1,363	4,041	10,070	16,484	15,093	9,701	
2020/2021	Malignant neoplasms	28,667	75	114	337	1,092	3,762	7,678	8,844	6,765	
2020/2021	Diabetes	94,786	116	549	1,950	6,123	15,574	26,241	26,226	18,005	
2020/2021	Obesity	24,193	254	1,020	2,185	4,079	6,230	6,337	3,258	829	
Yearly		Monthly				Total					

Microsoft Power BI

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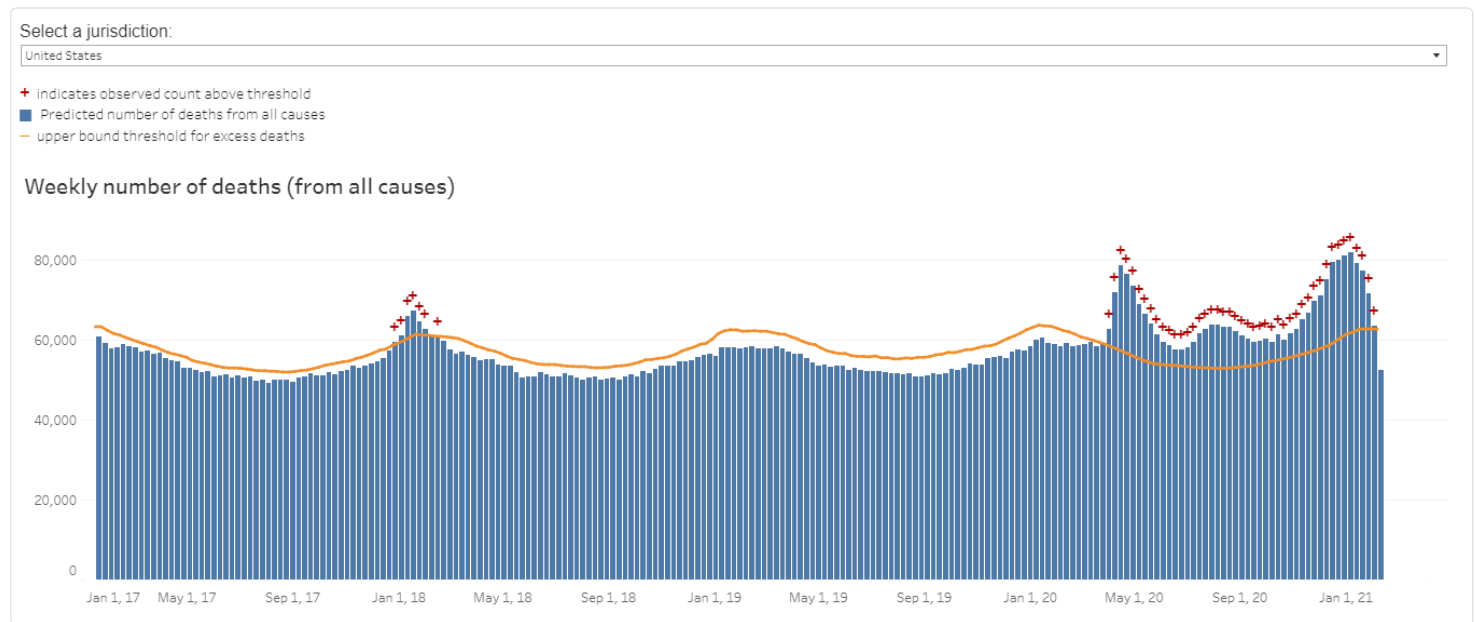
NOTE: Empty data cells represent counts between 1-9 that have been suppressed in accordance with NCHS confidentiality standards. Conditions contributing to the death were identified using the International Classification of Diseases, Tenth Revision (ICD-10). Deaths involving more than one condition (e.g., 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.

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