

National Center for Health Statistics

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NVSS National Vital Statistics System

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

Weekly Updates by Select Demographic and Geographic characteristics

Provisional Deaths by Week and by State
Provisional Deaths by Demographic and Geographic Characteristics
Excess Deaths Data Visualization
Technical Notes

Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of May 8, 2020. Death counts are delayed and may differ from other published sources (see Technical Notes). Counts will be updated periodically. Additional information will be added to this site as available.

This page provides a weekly summary of deaths with coronavirus disease 2019 (COVID-19) by select geographic and demographic variables. In this release, counts of deaths are provided by state and county, by the age, sex, and race and Hispanic origin of the decedent, and by the place of death. Additional topics will be added to the release as they become available.

These provisional counts are based on a current flow of mortality data from 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. 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. Data on this page are revised weekly 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. See Technical Notes [here](#).

List of Topics

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Age and sex

Table 1 has death counts of 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](#).

> 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 5/2/2020

Race and Hispanic origin

Table 2a compares the percent distribution of deaths involving coronavirus disease 2019 (COVID-19) with weighted distributions of COVID-19 deaths to population by race and Hispanic origin group¹, for the United States and jurisdictions with more than 100 deaths available for analysis. Table 2b includes the percent distributions of the unweighted United States population by race and Hispanic origin. To download the data, [Click here to download](#).

> Table 2a. Percent distribution of deaths involving coronavirus disease 2019 (COVID-19) with distribution of the weighted percent population by race and Hispanic origin group¹, for the United States and jurisdictions with more than 100 deaths available for analysis.

> Table 2b. Percent distribution of unweighted United States population by race and Hispanic Origin¹.

Table 2c has death counts for COVID-19 by race and Hispanic origin group by age group for the United States. For data on race and Hispanic origin by age at the state level, [Click here to download](#).

> Table 2c. Distribution of deaths involving coronavirus disease 2019 (COVID-19) by age and by race and Hispanic origin group¹, for the United States.

Place of death

Table 3 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](#).

> Table 3. 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 5/2/2020.*

Comorbidities

Table 4 shows the types of health conditions and contributing causes mentioned in conjunction with deaths involving coronavirus disease 2019 (COVID-19). For 7% 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 2.5 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 comorbidity, [Click here to download](#).

> Table 4. Conditions contributing to deaths involving coronavirus disease 2019 (COVID-19), by age group, United States. Week ending 2/1/2020 to 5/2/2020.*

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 caused by 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 our 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. **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. Our counts 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 \(COVID-19\) Technical Notes](#) page.