

# Weekly Updates by Select Demographic and Geographic Characteristics

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

Contents	
<a href="#">COVID-19 Mortality Overview</a>	<a href="#">Health Disparities</a>
<a href="#">Daily Updates of Totals by Week and State</a>	<a href="#">Excess Deaths Associated with COVID-19</a>
<a href="#">Weekly Updates by Select Demographic and Geographic Characteristics</a>	<a href="#">Index of Available Data Files</a>
	<a href="#">Technical Notes</a>



Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of December 22, 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](#)
- [2. Race and Hispanic origin](#)
- [3. Place of death](#)
- [4. Comorbidities and other conditions](#)
- [5. Excess deaths](#)
- [6. Additional data \(county, leading causes of death, etc.\)](#)

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 mortality 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:**  
12/22/2021

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	668	65,674	1,205	179	189	1,883
2020/2021	All Sexes	18-29 years	4,885	125,277	4,377	2,372	153	7,030
2020/2021	All Sexes	30-39 years	14,436	183,426	11,843	7,527	330	19,057
2020/2021	All Sexes	40-49 years	34,765	274,045	27,692	18,919	516	43,977
2020/2021	All Sexes	50-64 years	149,676	1,112,456	133,082	84,342	2,268	200,306
2020/2021	All Sexes	65-74 years	183,916	1,339,372	172,032	103,371	2,086	254,309
2020/2021	All Sexes	75-84 years	208,025	1,585,873	194,220	109,976	2,073	294,050
2020/2021	All Sexes	85 years and over	211,403	1,883,290	183,127	91,637	1,942	304,586
2020/2021	All Sexes	All Ages	807,774	6,569,413	727,578	418,323	9,557	1,125,198
2020/2021	Female	0-17 years	303	27,326	545	82	85	851
2020/2021	Female	18-29 years	1,905	33,676	1,712	953	71	2,732
2020/2021	Female	30-39 years	5,442	59,095	4,594	2,813	167	7,381
2020/2021	Female	40-49 years	12,653	99,484	10,679	6,904	227	16,634
2020/2021	Female	50-64 years	55,820	426,083	52,469	32,058	959	77,068
2020/2021	Female	65-74 years	74,036	562,505	69,654	41,256	908	103,219

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

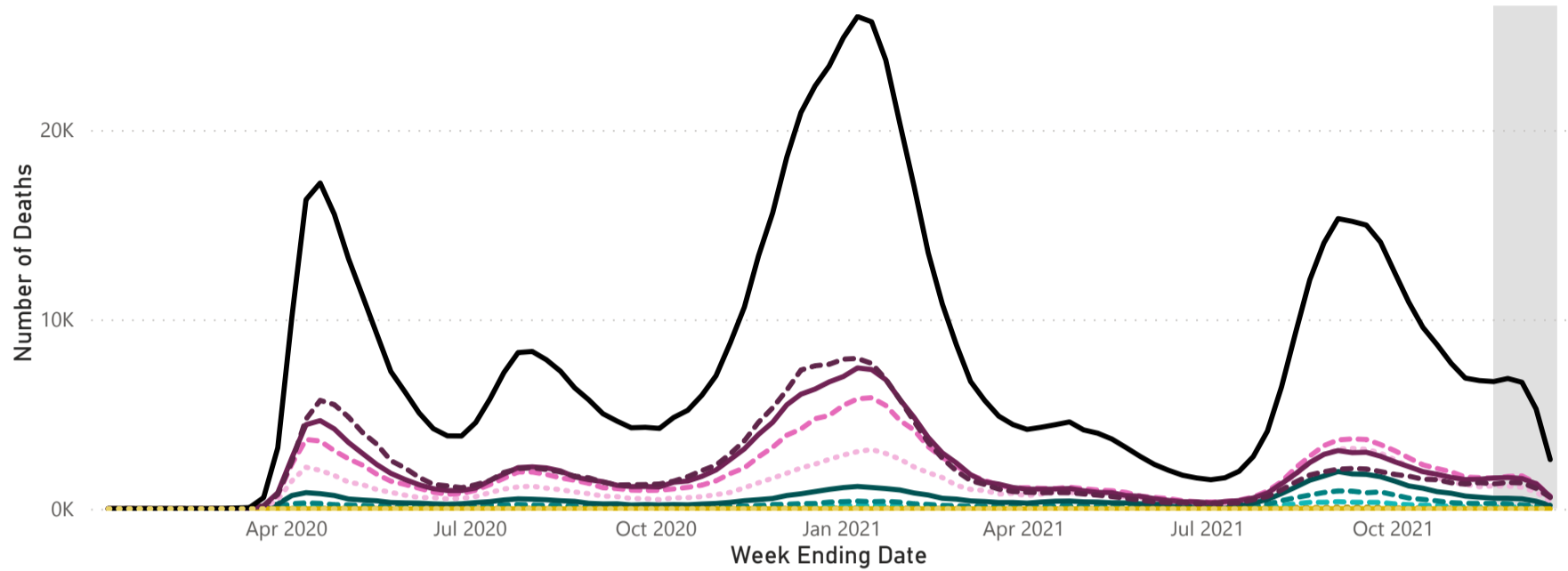
Reporting Period

Week ending 1/4/2020 through 12/18/2021

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 — 1-4 Years — 15-24 Ye... — 25-34 Ye... — 35-44 Ye... — 45-54 Ye... — 5-14 Years — 55-64 Ye... — 65-74 Ye...



**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.

Microsoft Power BI

< 1 of 2 >

↶ ↷

## 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.

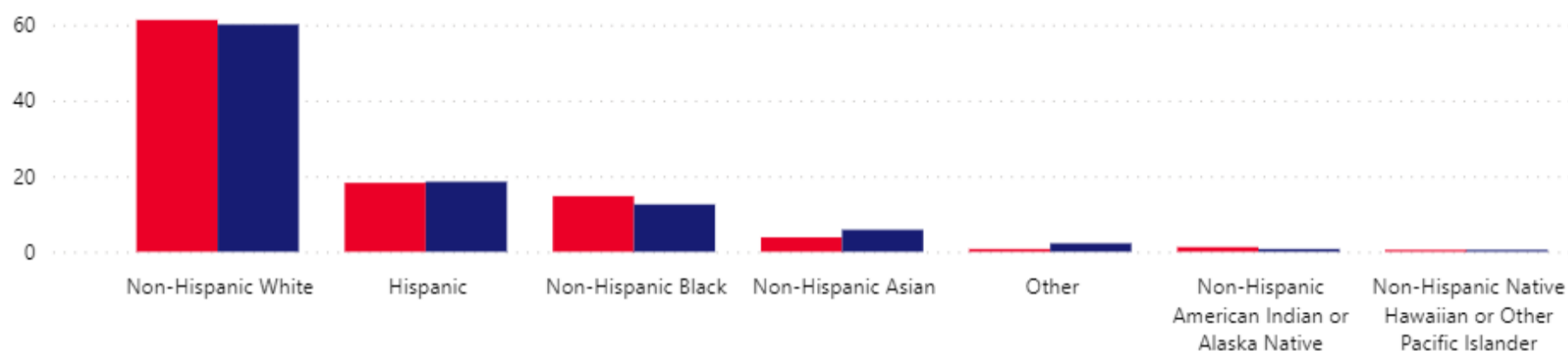
**Figure 1. Crude and age-adjusted percents of COVID-19 deaths and unweighted population distributions by race and Hispanic origin**

Select a jurisdiction:

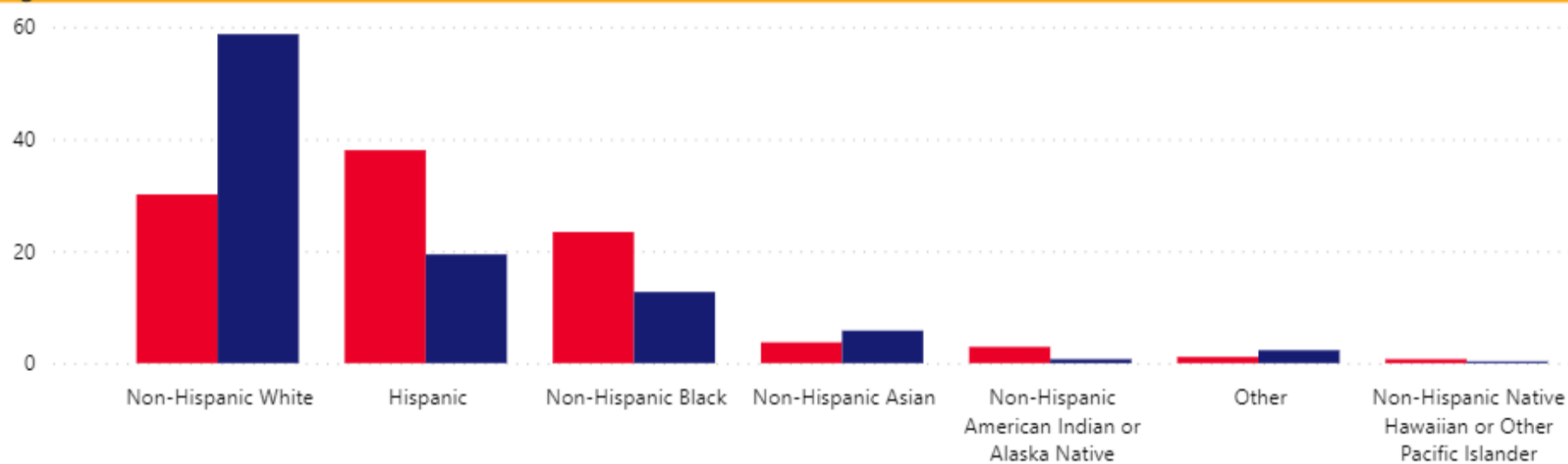
United States

**Unadjusted for age**

● Distribution of COVID-19 deaths (%) ● Unweighted distribution of population (%)



**Age-standardized**



## 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:**  
12/22/2021

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	64,645	2,197,949	49,590	17,454	1,792	97,702
2020/2021	United States	Healthcare setting, dead on arrival	775	18,148	453	203	18	1,043
2020/2021	United States	Healthcare setting, inpatient	550,353	2,078,351	552,768	346,627	6,070	762,149
2020/2021	United States	Healthcare setting, outpatient or emergency room	27,084	389,596	20,857	9,005	412	39,327
2020/2021	United States	Hospice facility	23,624	397,169	30,698	11,715	436	43,024
2020/2021	United States	Nursing home/long term care facility	125,021	1,035,171	61,560	28,213	677	159,005
2020/2021	United States	Other	16,176	452,200	11,592	5,071	151	22,826
2020/2021	United States	Place of death unknown	109	1,074	77	44	1	143
2020/2021	United States	Total - All Places of Death	807,787	6,569,658	727,595	418,332	9,557	1,125,219

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. 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](#).

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

**Data as of:**  
12/19/2021

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	COVID-19	802,905	2,446	8,550	21,951	53,424	116,434	182,707	206,884	210,498			
2020/2021	Influenza and pneumonia	392,121	1,012	4,423	11,707	29,252	63,038	96,165	100,923	85,594			
2020/2021	All other conditions and causes (residual)	316,544	1,262	3,561	8,493	20,861	47,152	75,029	82,190	77,989			
2020/2021	Respiratory failure	315,202	722	3,048	8,460	21,858	49,331	78,701	84,288	68,789			
2020/2021	Hypertensive diseases	149,514	63	616	2,590	7,879	20,064	34,247	40,338	43,715			
2020/2021	Diabetes	123,687	204	931	3,291	9,596	21,917	34,200	32,420	21,126			
2020/2021	Cardiac arrest	95,400	314	1,188	3,064	7,628	16,033	22,968	23,248	20,956			
2020/2021	Adult respiratory distress syndrome	86,797	357	1,469	3,840	9,423	18,470	24,330	18,561	10,346			
2020/2021	Renal failure	84,846	169	824	2,382	6,541	14,270	21,956	21,666	17,036			
2020/2021	Ischemic heart disease	83,702	24	166	664	2,707	8,895	18,713	25,794	26,738			
2020/2021	Sepsis	79,064	255	943	2,722	7,075	15,372	22,160	19,036	11,500			
2020/2021	Chronic lower respiratory diseases	69,149	120	312	747	2,188	8,108	17,652	22,368	17,653			
2020/2021	Vascular and unspecified dementia	65,366	0	2	10	68	862	5,618	19,588	39,217			
2020/2021	Cardiac arrhythmia	59,032	54	191	527	1,734	5,262	11,660	17,968	21,636			

Yearly
Monthly
Total

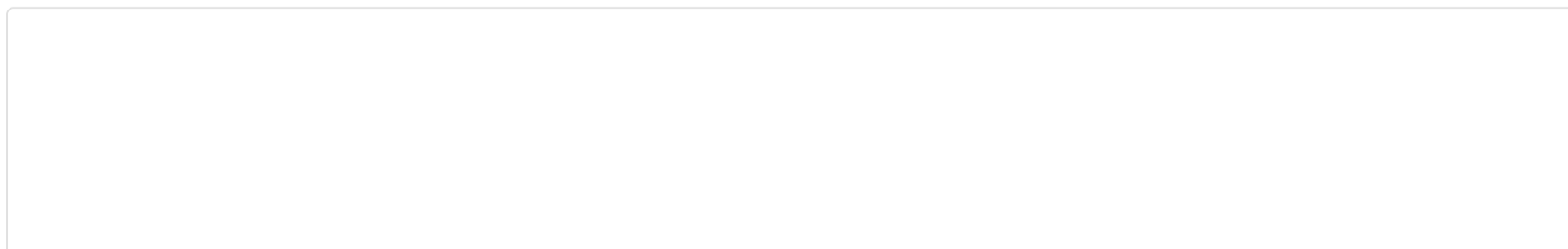
NOTE: Empty data cells represent counts between 1-9 that have been suppressed in accordance with NCHS confidentiality standards. Conditions contributing to the death were identified using the International Classification of Diseases, Tenth Revision (ICD-10). Deaths involving more than one condition (e.g.,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

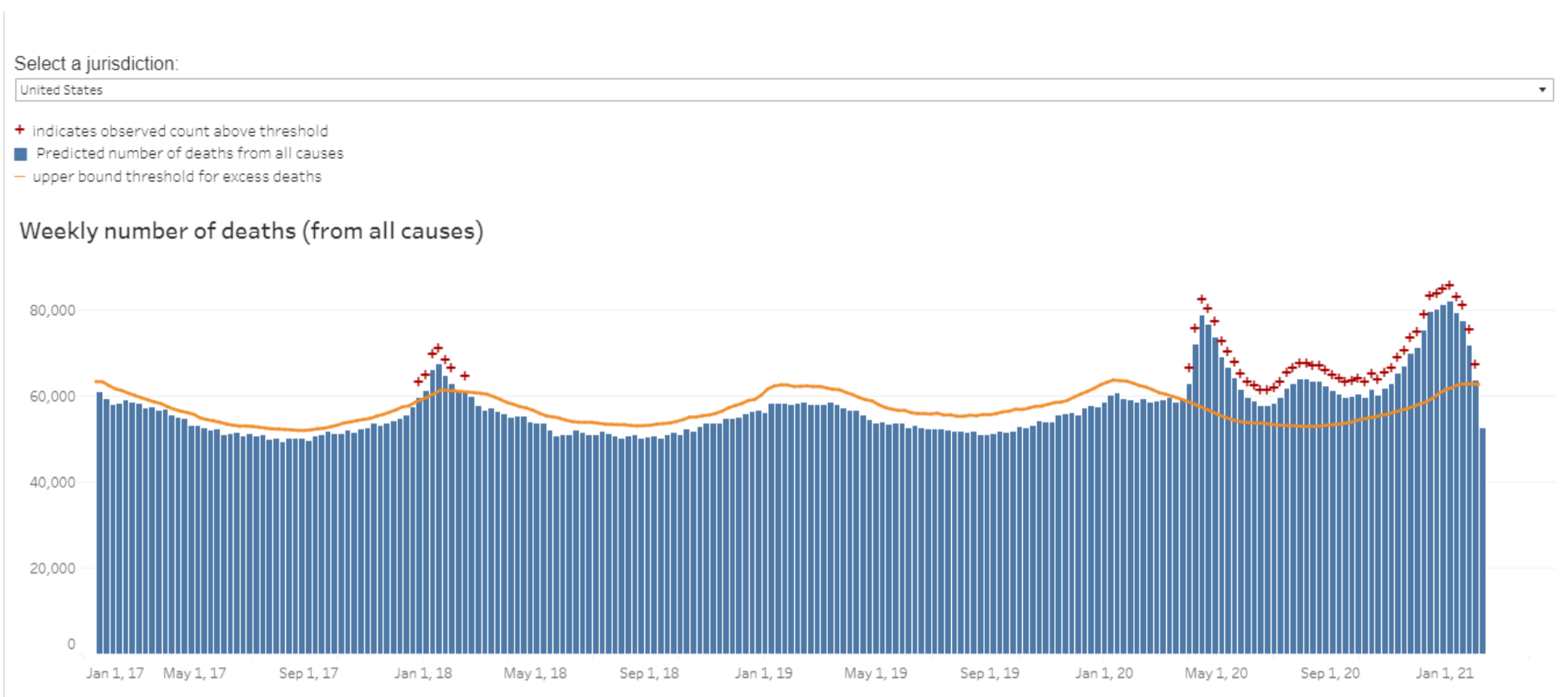
[1] Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

## 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.