

# 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 January 26, 2022. 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

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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 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:**  
1/26/2022

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]
2020-2022	All Sexes	0-17 years	748	68,883	1,308	208	191	2,039
2020-2022	All Sexes	18-29 years	5,360	131,187	4,717	2,593	161	7,631
2020-2022	All Sexes	30-39 years	15,756	193,020	12,747	8,213	338	20,601
2020-2022	All Sexes	40-49 years	37,753	289,098	29,789	20,562	531	47,433
2020-2022	All Sexes	50-64 years	162,327	1,172,126	142,730	91,582	2,345	215,429
2020-2022	All Sexes	65-74 years	197,498	1,411,895	183,555	111,330	2,181	271,538
2020-2022	All Sexes	75-84 years	221,779	1,671,260	206,276	117,635	2,200	312,313
2020-2022	All Sexes	85 years and over	223,040	1,979,482	193,331	97,207	2,069	320,975
2020-2022	All Sexes	All Ages	864,261	6,916,951	774,453	449,330	10,016	1,197,959
2020-2022	Female	0-17 years	336	28,659	593	93	86	922
2020-2022	Female	18-29 years	2,093	35,359	1,856	1,054	73	2,965
2020-2022	Female	30-39 years	5,922	62,154	4,910	3,056	171	7,937
2020-2022	Female	40-49 years	13,769	105,001	11,511	7,535	235	17,958
2020-2022	Female	50-64 years	60,686	449,149	56,328	34,883	997	83,001
2020-2022	Female	65-74 years	79,803	593,183	74,580	44,693	958	110,518

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

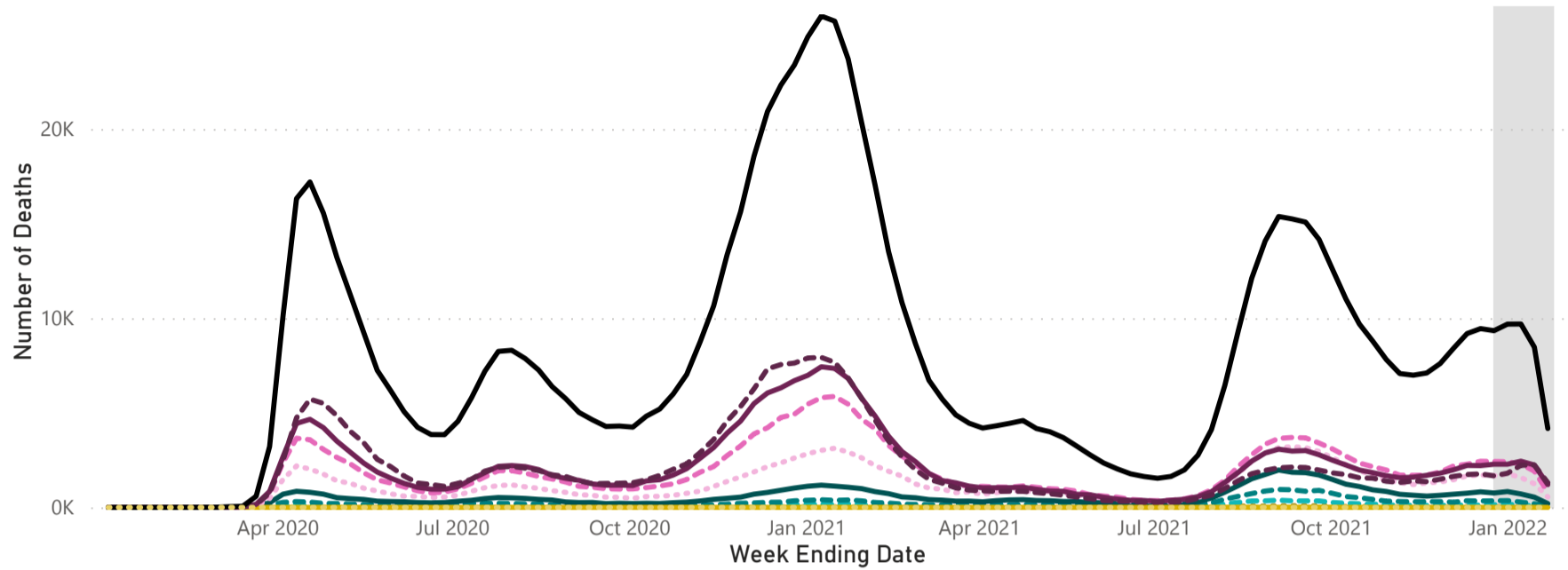
Reporting Period

Week ending 1/4/2020 through 1/22/2022

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.

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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.



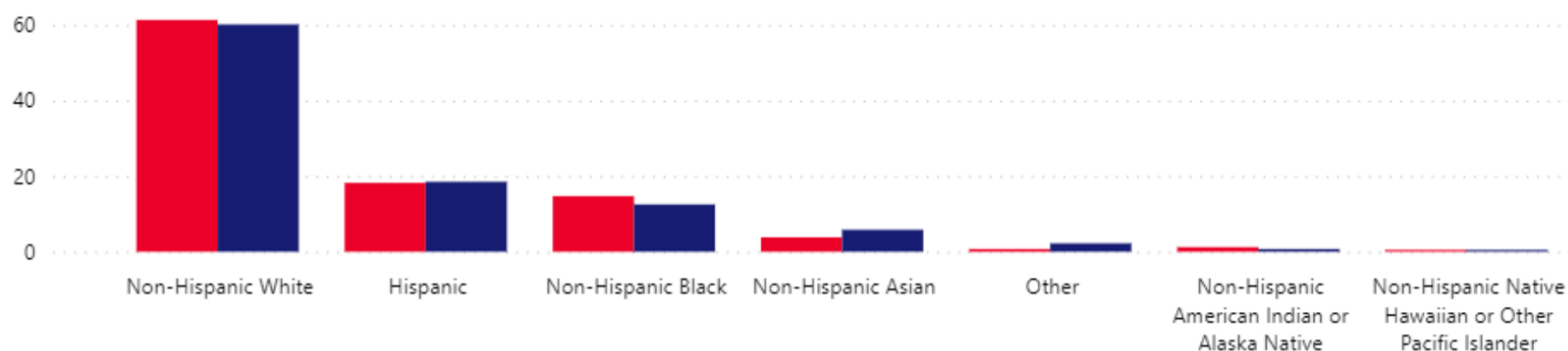
**Figure 1. Crude and age-adjusted percents of COVID-19 deaths and unweighted population distributions by race and Hispanic origin**

Select a jurisdiction:

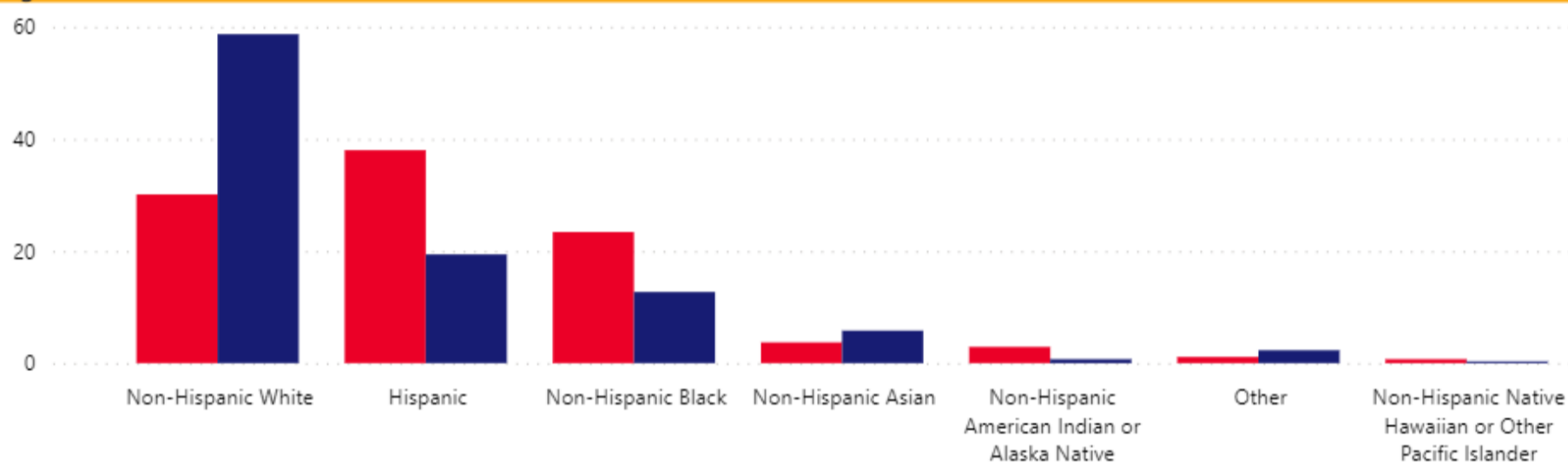
United States

**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:**  
1/26/2022

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]
2020-2022	United States	Decedent's home	71,028	2,311,130	52,941	19,136	1,847	105,802
2020-2022	United States	Healthcare setting, dead on arrival	841	19,143	479	216	18	1,122
2020-2022	United States	Healthcare setting, inpatient	591,281	2,199,231	590,143	373,098	6,383	814,251
2020-2022	United States	Healthcare setting, outpatient or emergency room	29,632	411,061	22,342	9,848	444	42,547
2020-2022	United States	Hospice facility	25,110	415,724	32,166	12,401	449	45,304
2020-2022	United States	Nursing home/long term care facility	129,081	1,083,505	64,033	29,196	716	164,594
2020-2022	United States	Other	17,185	476,007	12,284	5,396	158	24,209
2020-2022	United States	Place of death unknown	113	1,163	81	47	1	148
2020-2022	United States	Total - All Places of Death	864,271	6,916,964	774,469	449,338	10,016	1,197,977

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](#).

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

**Data as of:**  
1/23/2022

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
2020-2022	Influenza and pneumonia	420,135	1,123	4,795	12,741	31,736	68,208	103,412	107,600	90,513				
2020-2022	Chronic lower respiratory diseases	73,746	130	339	819	2,398	8,814	18,902	23,845	18,498				
2020-2022	Adult respiratory distress syndrome	91,979	396	1,581	4,153	10,108	19,788	25,804	19,464	10,684				
2020-2022	Respiratory failure	337,617	796	3,332	9,194	23,694	53,404	84,581	89,999	72,612				
2020-2022	Respiratory arrest	17,578	55	175	437	1,058	2,374	3,722	4,585	5,172				
2020-2022	Other diseases of the respiratory system	40,128	200	584	1,393	3,165	6,731	9,827	10,082	8,146				
2020-2022	Hypertensive diseases	157,908	71	651	2,801	8,437	21,446	36,304	42,502	45,693				
2020-2022	Ischemic heart disease	88,884	24	177	718	2,945	9,604	20,004	27,346	28,063				
2020-2022	Cardiac arrest	101,613	334	1,295	3,288	8,234	17,102	24,491	24,750	22,118				
2020-2022	Cardiac arrhythmia	63,179	57	211	573	1,875	5,737	12,590	19,298	22,838				
2020-2022	Heart failure	62,642	47	217	616	1,861	5,390	11,679	18,213	24,618				
2020-2022	Cerebrovascular diseases	40,326	64	205	614	1,785	4,929	9,141	11,336	12,251				
2020-2022	Other diseases of the circulatory system	59,583	286	776	1,884	4,420	9,292	13,822	14,763	14,339				
2020-2022	Sepsis	83,973	287	1,024	2,954	7,576	16,468	23,569	20,059	12,035				
2020-2022	Malignant neoplasms	41,410	105	181	521	1,704	5,795	11,480	12,566	9,058				
2020-2022	Diabetes	130,632	228	1,010	3,539	10,198	23,273	36,216	34,120	22,046				

Yearly
Monthly
Total

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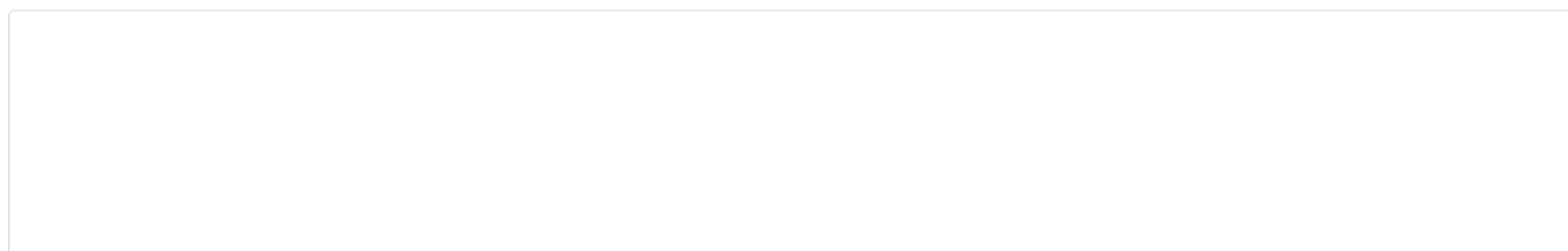
NOTE: Empty data cells represent counts between 1-9 that have been suppressed in accordance with NCHS confidentiality standards. Conditions contributing to the death were identified using the International Classification of Diseases, Tenth Revision (ICD-10). Deaths involving more than one condition (e.g., 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. Estimates for 2020 are based on final data.

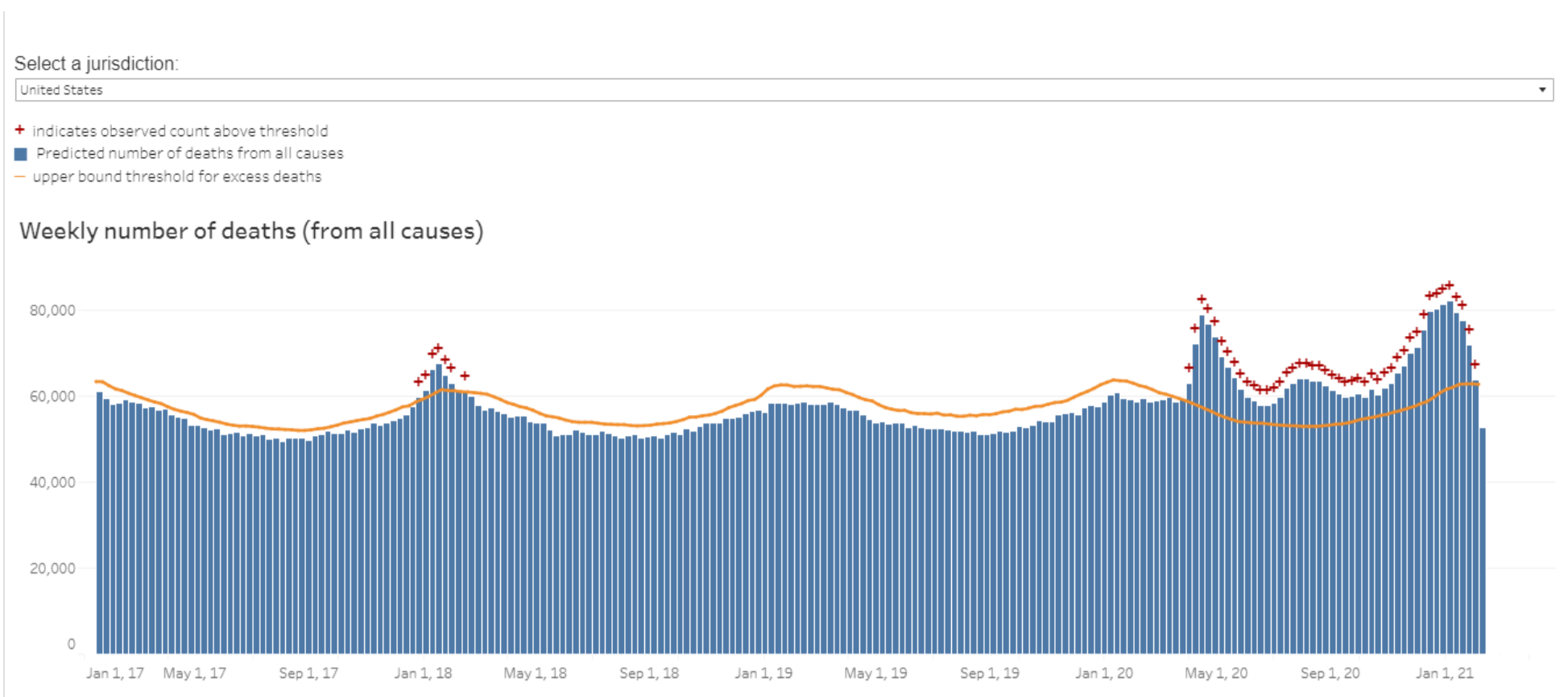
[1] Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

## 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.