

Weekly Updates by Select Demographic and Geographic Characteristics

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

Contents	
COVID-19 Mortality Overview	Health Disparities
Daily Updates of Totals by Week and State	Excess Deaths Associated with COVID-19
Weekly Updates by Select Demographic and Geographic Characteristics	Index of Available Data Files
	Technical Notes



Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of September 1, 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

- [Sex and age](#)
- [Race and Hispanic origin](#)
- [Place of death](#)
- [Comorbidities and other conditions](#)
- [Excess deaths](#)
- [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:
9/1/2021

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	400	54,771	908	88	187	1,407
2020/2021	All Sexes	18-29 years	2,903	103,542	2,999	1,306	148	4,732
2020/2021	All Sexes	30-39 years	8,237	148,160	7,435	3,919	324	12,052
2020/2021	All Sexes	40-49 years	21,376	220,525	18,196	10,819	501	29,183
2020/2021	All Sexes	50-64 years	104,010	908,856	96,931	55,999	2,199	146,790
2020/2021	All Sexes	65-74 years	141,614	1,103,790	134,592	76,936	2,003	200,943
2020/2021	All Sexes	75-84 years	171,569	1,321,133	158,805	88,030	2,011	244,074
2020/2021	All Sexes	85 years and over	183,677	1,589,036	155,314	77,430	1,885	263,207
2020/2021	All Sexes	All Ages	633,786	5,449,813	575,180	314,527	9,258	902,388
2020/2021	Female	0-17 years	178	22,722	413	41	84	634
2020/2021	Female	18-29 years	1,102	27,726	1,156	515	70	1,810
2020/2021	Female	30-39 years	2,985	47,459	2,841	1,394	164	4,587
2020/2021	Female	40-49 years	7,534	79,962	6,993	3,819	221	10,909
2020/2021	Female	50-64 years	37,841	347,194	37,771	20,670	928	55,757
2020/2021	Female	65-74 years	55,688	462,298	53,626	29,794	875	80,283

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

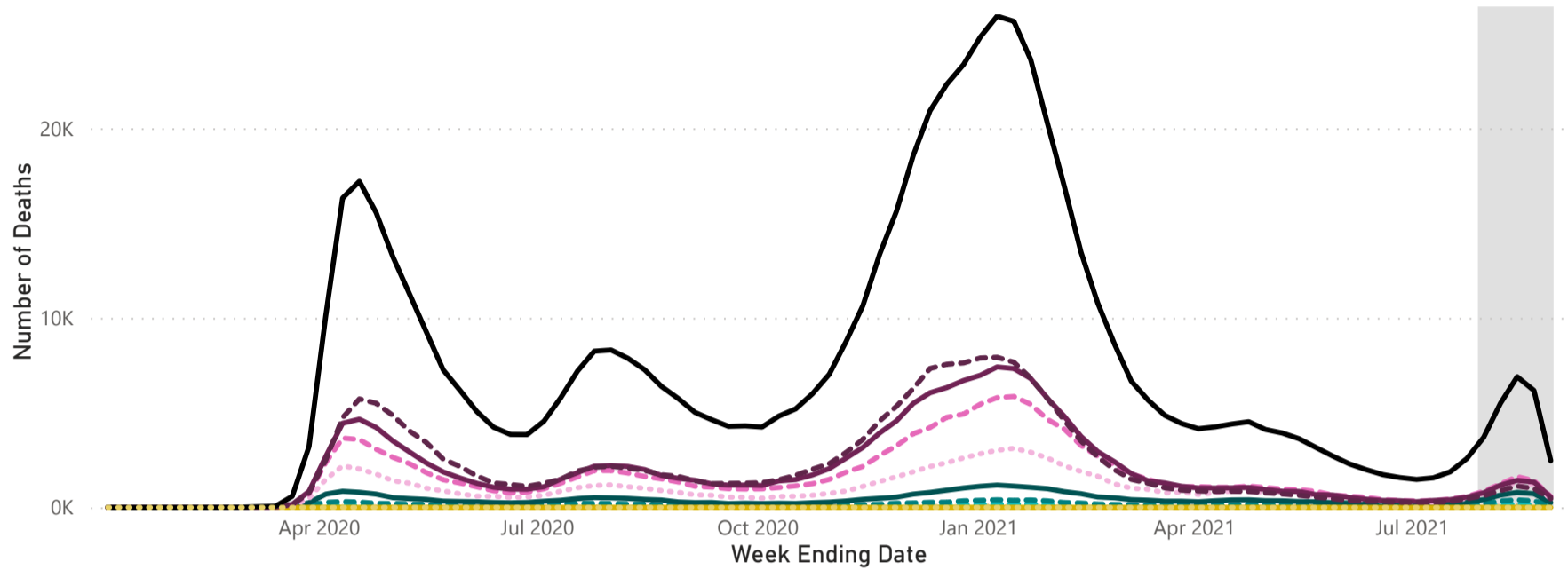
Reporting Period

Week ending 1/4/2020 through 8/28/2021

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

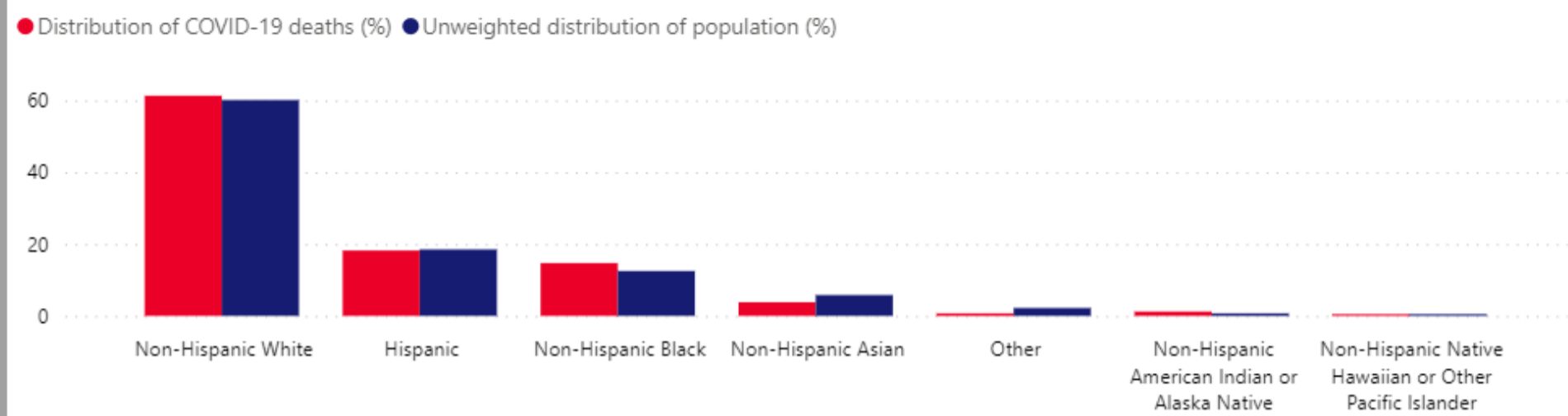
Data by race and Hispanic origin are available at the national, state, and county level. Data by race and Hispanic origin is also available by age at the national and state level. [Click here](#) to visit the NCHS Health Disparities page.

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

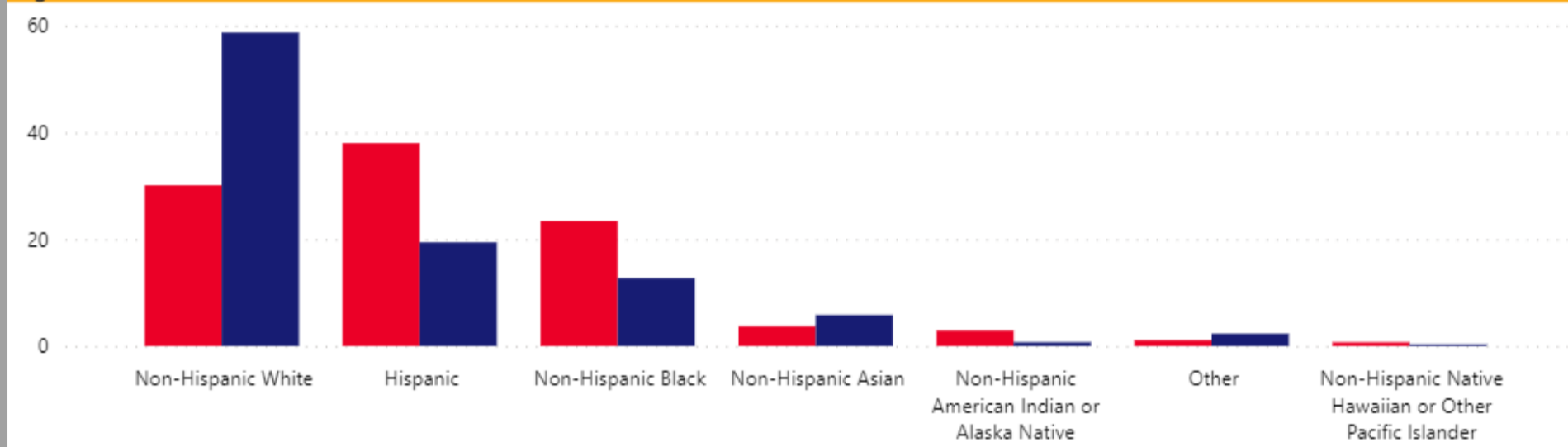
Select a jurisdiction:

United States

Unadjusted for age



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:
9/1/2021

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	47,230	1,836,330	39,636	12,329	1,742	75,419
2020/2021	United States	Healthcare setting, dead on arrival	596	15,311	365	155	19	825
2020/2021	United States	Healthcare setting, inpatient	418,184	1,686,536	429,328	256,499	5,871	596,529
2020/2021	United States	Healthcare setting, outpatient or emergency room	20,906	324,249	16,717	6,801	393	31,196
2020/2021	United States	Hospice facility	19,196	331,967	25,581	9,450	425	35,736
2020/2021	United States	Nursing home/long term care facility	114,934	883,074	54,454	25,610	663	144,403
2020/2021	United States	Other	12,642	371,615	9,034	3,641	144	18,158
2020/2021	United States	Place of death unknown	110	937	79	48	1	142
2020/2021	United States	Total - All Places of Death	633,798	5,450,019	575,194	314,533	9,258	902,408

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:
8/29/2021

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	293,262	520	2,348	6,191	17,515	42,471	71,361	80,612	72,238
2020/2021	Chronic lower respiratory diseases	55,548	72	210	480	1,480	5,849	13,757	18,436	15,263
2020/2021	Adult respiratory distress syndrome	66,246	201	796	2,113	5,978	13,050	18,988	15,725	9,393
2020/2021	Respiratory failure	238,887	387	1,594	4,521	13,244	33,577	58,997	67,946	58,617
2020/2021	Respiratory arrest	13,220	27	95	230	645	1,572	2,738	3,601	4,312
2020/2021	Other diseases of the respiratory system	27,543	91	266	628	1,680	4,138	6,731	7,539	6,470
2020/2021	Hypertensive diseases	122,133	49	403	1,671	5,415	15,002	27,365	33,968	38,257
2020/2021	Ischemic heart disease	68,210	15	101	413	1,819	6,536	14,700	21,402	23,222
2020/2021	Cardiac arrest	76,258	167	720	1,895	5,279	11,866	18,310	19,524	18,496
2020/2021	Cardiac arrhythmia	46,664	32	100	298	1,086	3,654	8,725	14,476	18,293
2020/2021	Heart failure	48,038	28	135	391	1,237	3,798	8,633	13,940	19,875
2020/2021	Cerebrovascular diseases	31,153	35	115	367	1,187	3,478	6,879	9,023	10,068
2020/2021	Other diseases of the circulatory system	41,485	159	412	964	2,441	5,651	9,451	10,996	11,410
2020/2021	Sepsis	60,934	142	525	1,558	4,519	10,897	17,414	15,820	10,058
2020/2021	Malignant neoplasms	30,469	77	125	359	1,187	4,064	8,226	9,343	7,088
2020/2021	Diabetes	99,490	131	607	2,168	6,678	16,589	27,507	27,268	18,540

Yearly

Monthly

Total

Microsoft Power BI

< 3 of 3 >



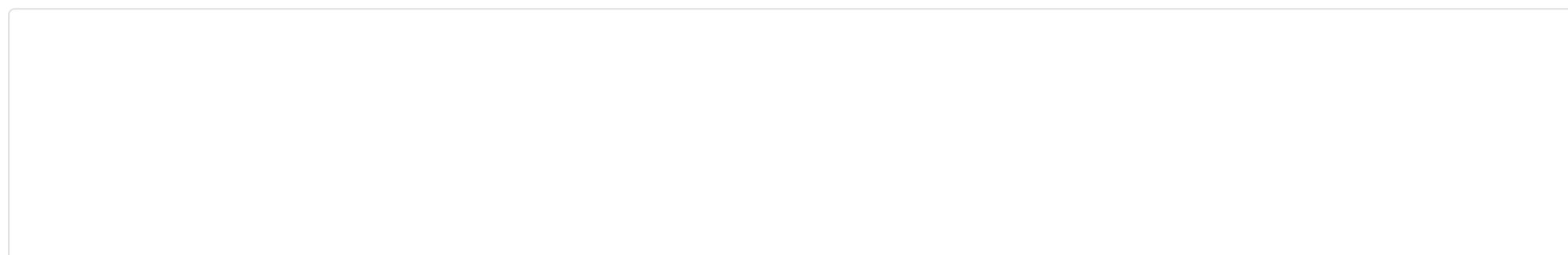
NOTE: Empty data cells represent counts between 1-9 that have been suppressed in accordance with NCHS confidentiality standards. Conditions contributing to the death were identified using the International Classification of Diseases, Tenth Revision (ICD-10). Deaths involving more than one condition (e.g.,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

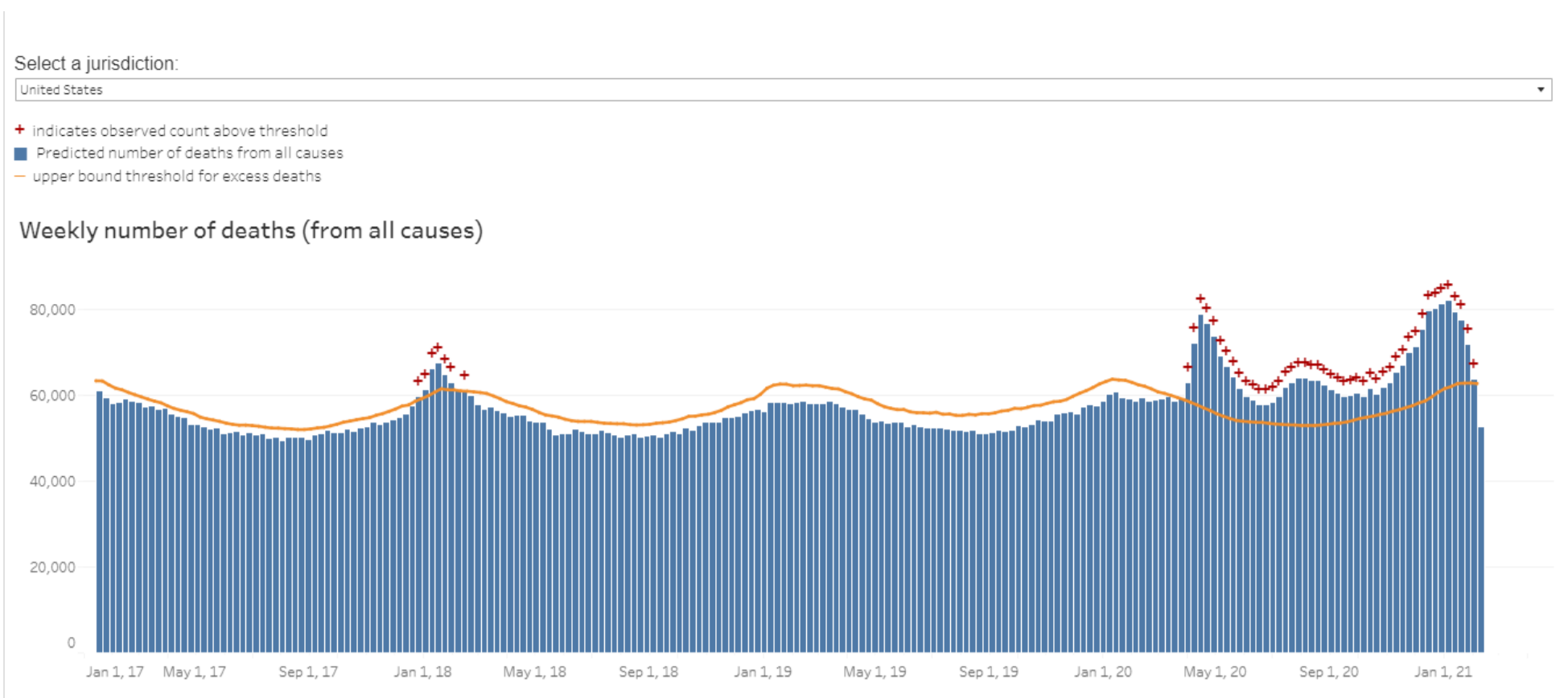
[1] Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

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.