

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 July 7, 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

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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 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:
7/7/2021

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	331	49,047	801	64	185	1,253
2020/2021	All Sexes	18-29 years	2,424	92,563	2,623	1,074	151	4,112
2020/2021	All Sexes	30-39 years	6,974	132,053	6,420	3,243	322	10,449
2020/2021	All Sexes	40-49 years	18,534	197,030	15,831	9,149	500	25,645
2020/2021	All Sexes	50-64 years	94,632	821,106	87,784	50,446	2,178	133,805
2020/2021	All Sexes	65-74 years	132,992	1,000,564	124,090	71,623	1,983	187,118
2020/2021	All Sexes	75-84 years	163,531	1,204,251	148,168	83,281	1,996	230,138
2020/2021	All Sexes	85 years and over	177,322	1,455,766	145,811	74,154	1,874	250,616
2020/2021	All Sexes	All Ages	596,740	4,952,380	531,528	293,034	9,189	843,136
2020/2021	Female	0-17 years	142	20,369	365	28	83	562
2020/2021	Female	18-29 years	926	24,833	1,037	440	73	1,593
2020/2021	Female	30-39 years	2,493	42,399	2,471	1,165	164	3,955
2020/2021	Female	40-49 years	6,479	71,581	6,100	3,217	221	9,563
2020/2021	Female	50-64 years	34,158	313,451	34,112	18,478	918	50,602
2020/2021	Female	65-74 years	52,017	418,467	49,243	27,539	870	74,480

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.

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

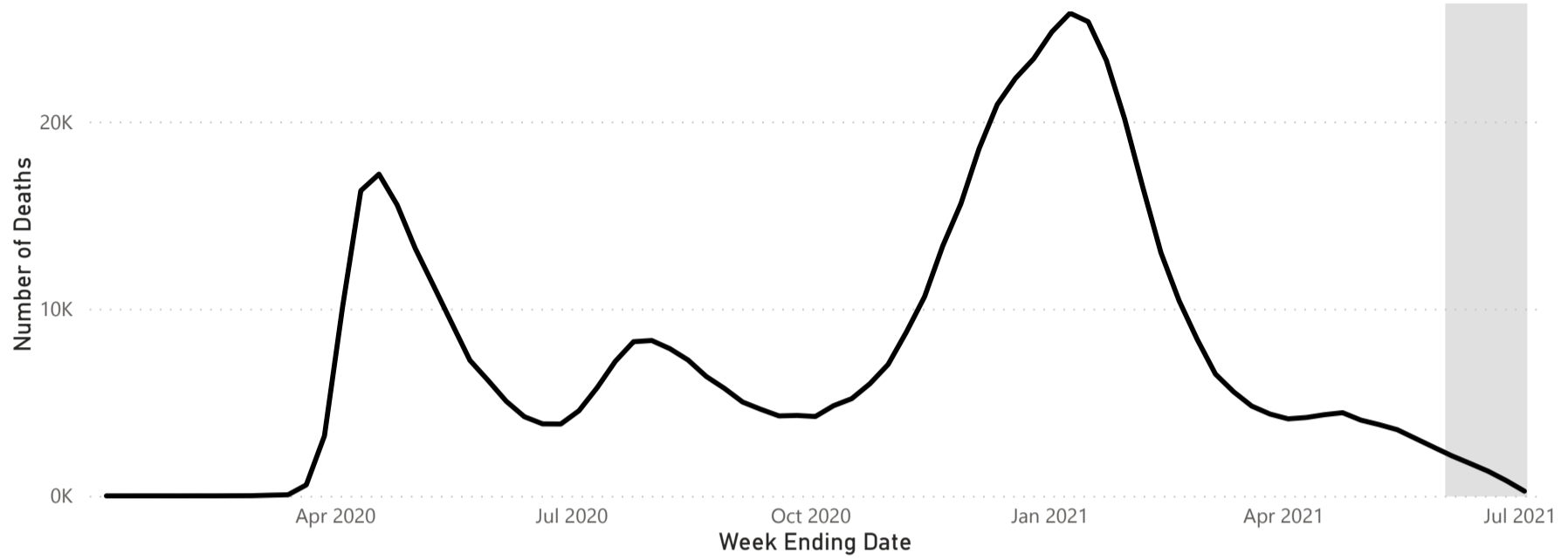
Reporting Period

Week ending 1/4/2020 through 7/3/2021

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 — All Ages



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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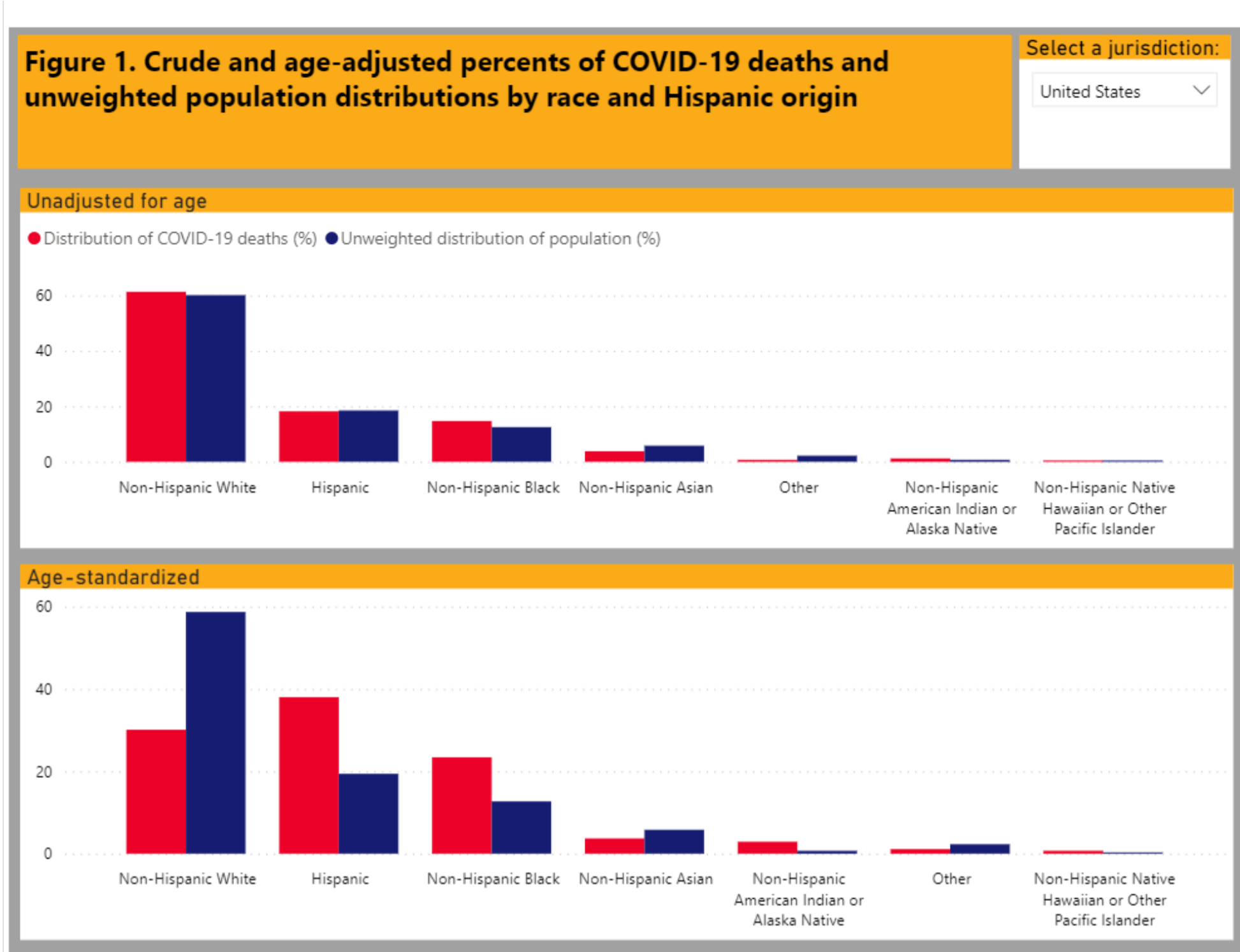
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Race and Hispanic origin

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.





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:

7/7/2021

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	43,189	1,664,032	36,434	11,266	1,738	69,235
2020/2021	United States	Healthcare setting, dead on arrival	550	13,878	335	145	18	758
2020/2021	United States	Healthcare setting, inpatient	391,141	1,534,363	395,679	238,130	5,822	554,174
2020/2021	United States	Healthcare setting, outpatient or emergency room	19,392	293,970	15,403	6,300	390	28,868
2020/2021	United States	Hospice facility	17,826	299,356	23,424	8,737	417	32,915
2020/2021	United States	Nursing home/long term care facility	112,700	812,353	51,949	25,110	662	140,163
2020/2021	United States	Other	11,845	333,721	8,242	3,305	141	16,904
2020/2021	United States	Place of death unknown	109	870	74	47	1	137
2020/2021	United States	Total - All Places of Death	596,752	4,952,543	531,540	293,040	9,189	843,154

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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.

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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 J09-18.9.

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:
7/4/2021

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	274,485	435	1,969	5,213	15,393	38,824	66,743	76,532	69,370	
2020/2021	Chronic lower respiratory diseases	52,863	66	185	427	1,338	5,442	13,018	17,616	14,770	
2020/2021	Adult respiratory distress syndrome	62,234	168	680	1,812	5,339	12,088	17,940	15,048	9,158	
2020/2021	Respiratory failure	224,599	325	1,361	3,815	11,711	30,791	55,418	64,684	56,490	
2020/2021	Respiratory arrest	12,523	20	78	188	556	1,430	2,594	3,459	4,198	
2020/2021	Other diseases of the respiratory system	25,692	78	233	535	1,478	3,779	6,268	7,135	6,186	
2020/2021	Hypertensive diseases	117,150	43	361	1,482	4,961	14,088	26,202	32,793	37,217	
2020/2021	Ischemic heart disease	65,171	13	90	366	1,652	6,108	13,941	20,517	22,482	
2020/2021	Cardiac arrest	72,197	143	612	1,634	4,758	11,020	17,375	18,739	17,915	
2020/2021	Cardiac arrhythmia	44,503	29	93	264	964	3,395	8,277	13,853	17,628	
2020/2021	Heart failure	45,788	24	126	354	1,120	3,545	8,155	13,306	19,157	
2020/2021	Cerebrovascular diseases	29,732	31	101	322	1,081	3,257	6,563	8,654	9,722	
2020/2021	Other diseases of the circulatory system	39,033	140	376	839	2,174	5,193	8,847	10,484	10,979	
2020/2021	Sepsis	57,563	122	478	1,375	4,069	10,121	16,532	15,135	9,730	
2020/2021	Malignant neoplasms	28,795	75	114	339	1,099	3,781	7,711	8,882	6,794	
2020/2021	Diabetes	95,101	117	554	1,965	6,147	15,643	26,332	26,297	18,044	

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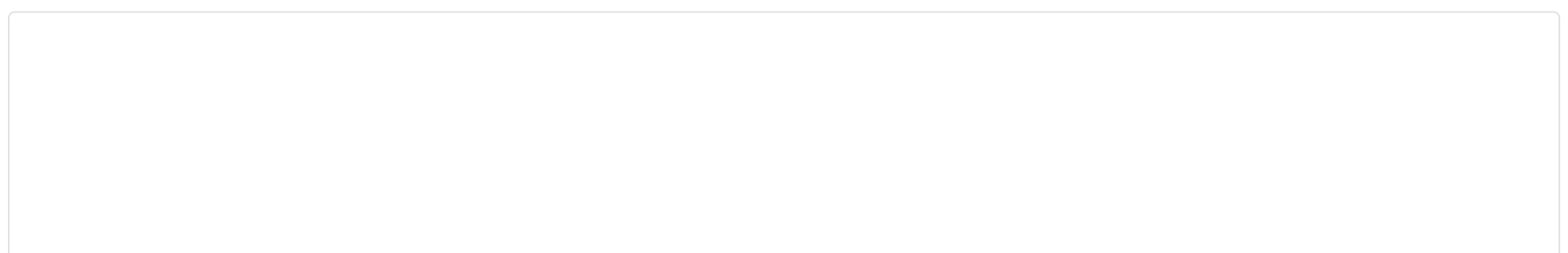
NOTE: Empty data cells represent counts between 1-9 that have been suppressed in accordance with NCHS confidentiality standards. Conditions contributing to the death were identified using the International Classification of Diseases, Tenth Revision (ICD-10). Deaths involving more than one condition (e.g.,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

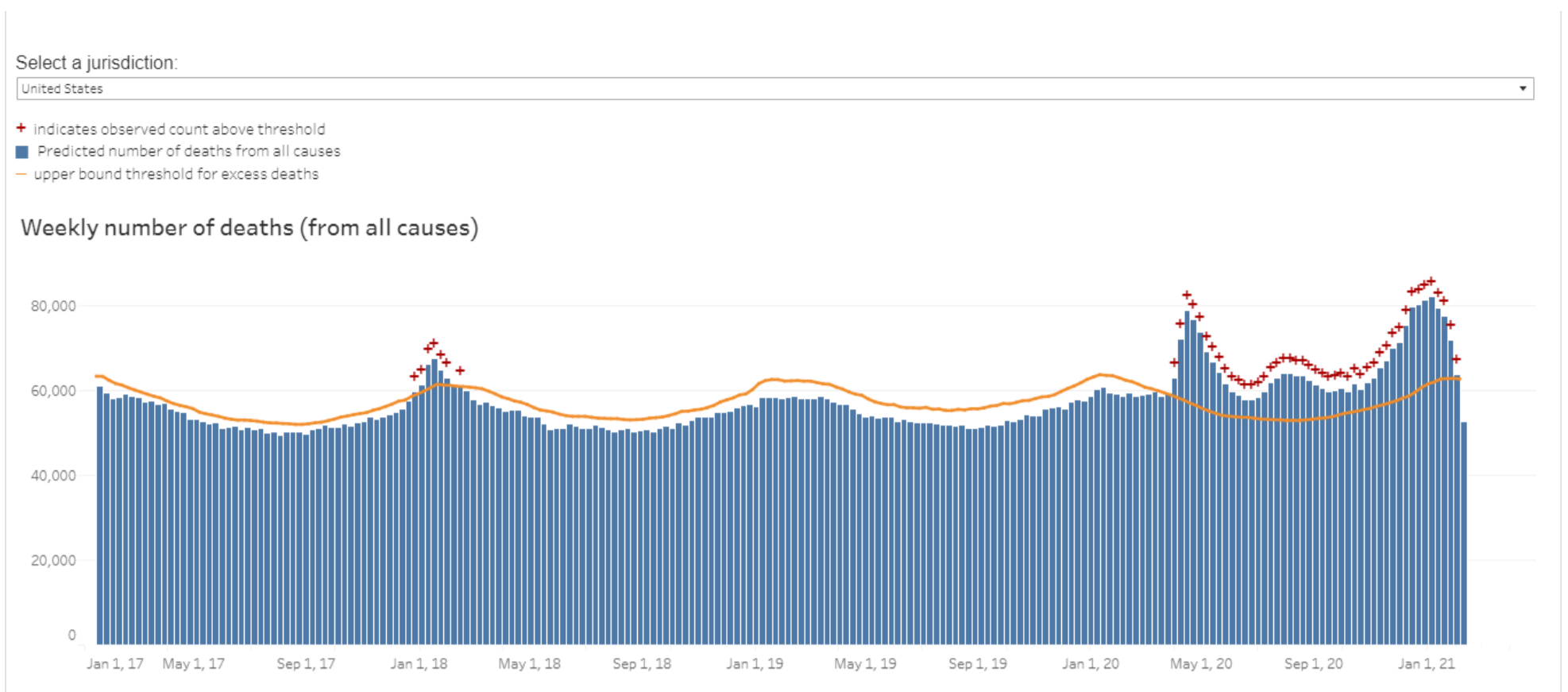
[1] Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

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.