



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 14, 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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4. [Comorbidities and other conditions](#)

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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:**

7/14/2021

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	335	49,725	809	64	186	1,266
2020/2021	All Sexes	18-29 years	2,446	93,796	2,652	1,085	151	4,152
2020/2021	All Sexes	30-39 years	7,027	133,837	6,487	3,268	322	10,544
2020/2021	All Sexes	40-49 years	18,658	199,492	15,992	9,219	500	25,860
2020/2021	All Sexes	50-64 years	95,117	830,986	88,521	50,741	2,181	134,734
2020/2021	All Sexes	65-74 years	133,440	1,012,283	124,892	71,889	1,984	188,103
2020/2021	All Sexes	75-84 years	163,950	1,217,361	149,051	83,486	1,997	231,235
2020/2021	All Sexes	85 years and over	177,651	1,471,324	146,671	74,294	1,875	251,666
2020/2021	All Sexes	All Ages	598,624	5,008,804	535,075	294,046	9,196	847,560
2020/2021	Female	0-17 years	144	20,649	368	28	84	568
2020/2021	Female	18-29 years	930	25,144	1,045	442	73	1,603
2020/2021	Female	30-39 years	2,513	42,928	2,500	1,173	164	3,996
2020/2021	Female	40-49 years	6,531	72,429	6,164	3,244	221	9,652
2020/2021	Female	50-64 years	34,354	317,213	34,423	18,595	920	50,993

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.

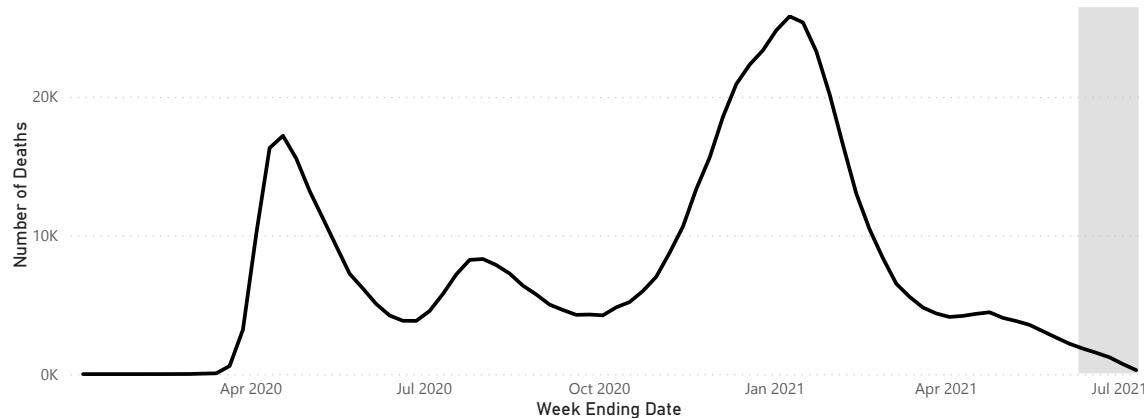
Provisional Death Counts for Coronavirus Disease 2019 (COVID-19) By Week of Death

Select Sex	Select Measure	Select Age Group	Reporting Period
All Sex	COVID-19 Deaths	All Ages	Week ending 1/4/2020 through 7/10/20...

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, Provisional Data.

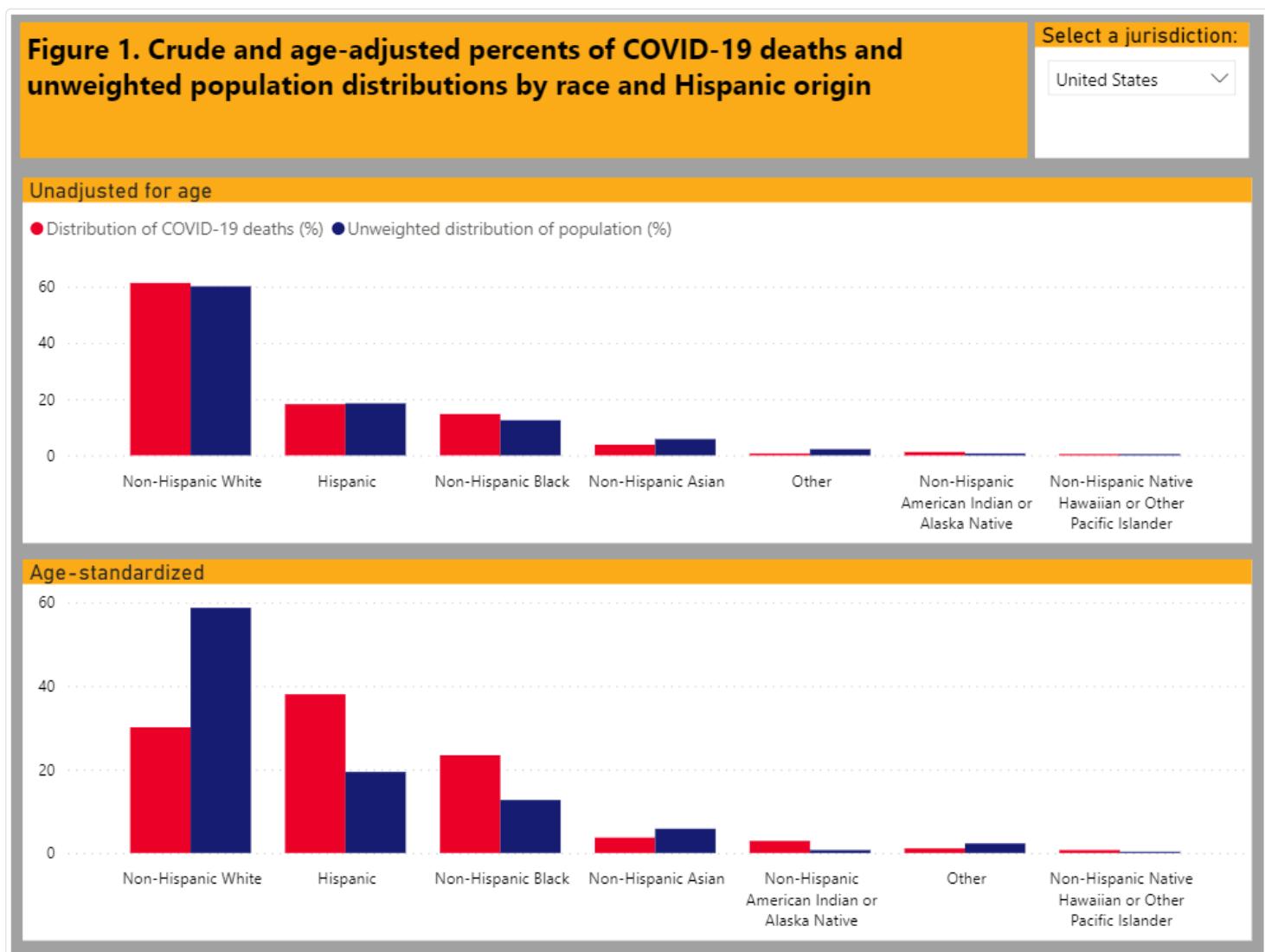
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Race and Hispanic origin

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.



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:**

7/14/2021

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	43,450	1,684,163	36,777	11,328	1,739	69,778
2020/2021	United States	Healthcare setting, dead on arrival	554	14,035	338	147	18	763
2020/2021	United States	Healthcare setting, inpatient	392,401	1,550,419	398,251	238,976	5,825	557,161
2020/2021	United States	Healthcare setting, outpatient or emergency room	19,464	297,412	15,510	6,320	390	29,027
2020/2021	United States	Hospice facility	17,910	303,314	23,631	8,772	419	33,173
2020/2021	United States	Nursing home/long term care facility	112,858	820,763	52,210	25,148	662	140,544
2020/2021	United States	Other	11,890	338,002	8,298	3,314	142	16,997
2020/2021	United States	Place of death unknown	109	865	73	47	1	136
2020/2021	United States	Total - All Places of Death	598,636	5,008,973	535,088	294,052	9,196	847,579

Yearly

Monthly

Total

Microsoft Power BI

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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.

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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:

7/11/2021

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	275,370	441	1,983	5,251	15,498	39,027	66,983	76,691	69,490
2020/2021	Chronic lower respiratory diseases	53,035	66	187	429	1,354	5,464	13,076	17,659	14,799
2020/2021	Adult respiratory distress syndrome	62,456	172	688	1,819	5,373	12,138	18,010	15,085	9,170
2020/2021	Respiratory failure	225,289	329	1,369	3,841	11,788	30,955	55,598	64,816	56,589
2020/2021	Respiratory arrest	12,551	20	79	191	557	1,435	2,600	3,465	4,204
2020/2021	Other diseases of the respiratory system	25,852	80	237	540	1,497	3,813	6,311	7,169	6,205
2020/2021	Hypertensive diseases	117,446	43	364	1,487	4,989	14,147	26,258	32,866	37,289
2020/2021	Ischemic heart disease	65,374	13	90	367	1,671	6,137	13,987	20,580	22,527
2020/2021	Cardiac arrest	72,407	144	616	1,645	4,783	11,071	17,422	18,779	17,946
2020/2021	Cardiac arrhythmia	44,626	29	94	264	969	3,409	8,301	13,894	17,666
2020/2021	Heart failure	45,926	24	127	355	1,130	3,557	8,182	13,353	19,197
2020/2021	Cerebrovascular diseases	29,832	32	103	323	1,092	3,272	6,588	8,675	9,746
2020/2021	Other diseases of the circulatory system	39,191	142	378	844	2,195	5,227	8,878	10,520	11,006
2020/2021	Sepsis	57,757	123	481	1,384	4,098	10,165	16,585	15,173	9,747
2020/2021	Malignant neoplasms	28,921	75	117	340	1,107	3,804	7,750	8,910	6,818
2020/2021	Diabetes	95,360	118	557	1,975	6,178	15,700	26,393	26,358	18,079
2020/2021	Obesity	24,414	260	1,044	2,216	4,131	6,278	6,372	3,282	830

Yearly

Monthly

Total

Microsoft Power BI

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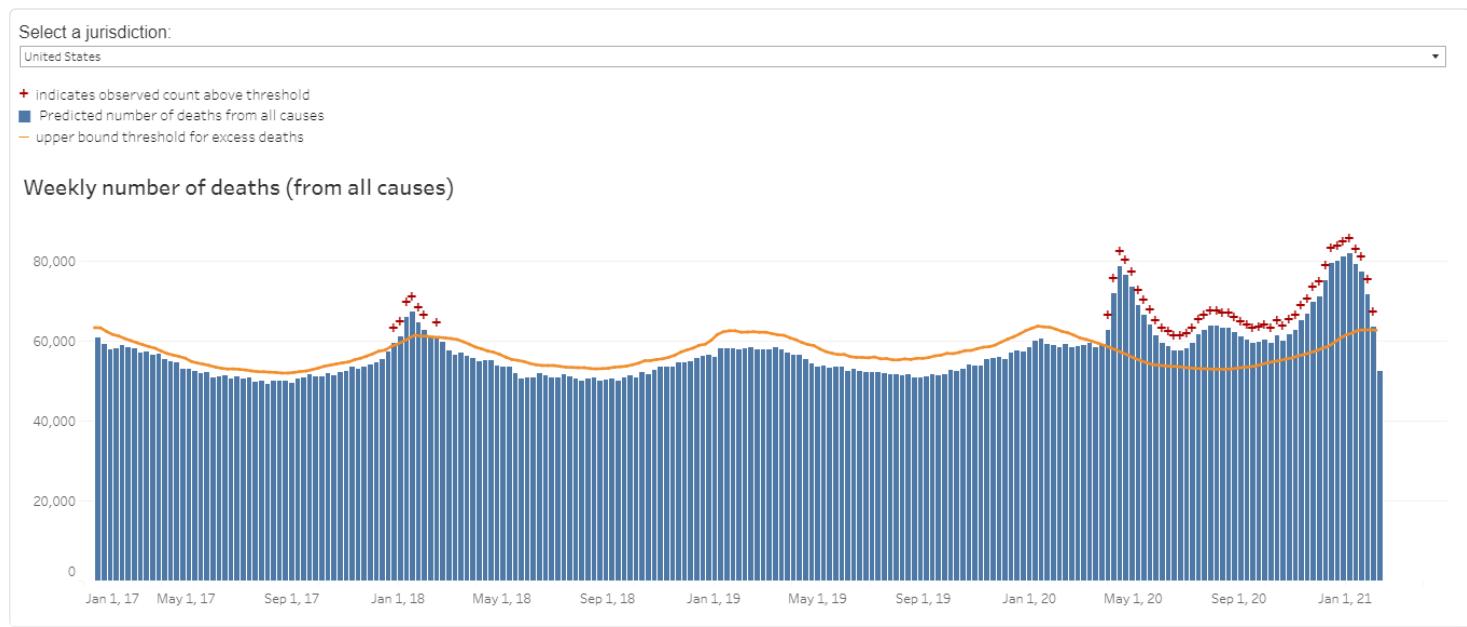
NOTE: Empty data cells represent counts between 1-9 that have been suppressed in accordance with NCHS confidentiality standards. Conditions contributing to the death were identified using the International Classification of Diseases, Tenth Revision (ICD-10). Deaths involving more than one condition (e.g.,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

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