CDC Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Weekly Updates by Select Demographic and Geographic Characteristics

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

Contents −

COVID-19 Mortality Overview

Daily Updates of Totals by Week and State

Weekly Updates by Select Demographic and Geographic Characteristics

Health Disparities

Excess Deaths Associated with COVID-19

Index of Available Data Files

Technical Notes

i Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of June 23, 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 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:
6/23/2021

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	324	47,741	780	61	183	1,226
2020/2021	All Sexes	18-29 years	2,380	90,130	2,564	1,054	151	4,029
2020/2021	All Sexes	30-39 years	6,837	128,610	6,263	3,180	321	10,217
2020/2021	All Sexes	40-49 years	18,264	192,309	15,546	9,014	500	25,225
2020/2021	All Sexes	50-64 years	93,573	802,805	86,379	49,834	2,173	131,950
2020/2021	All Sexes	65-74 years	132,075	979,071	122,500	71,122	1,975	185,106
2020/2021	All Sexes	75-84 years	162,651	1,179,443	146,475	82,836	1,994	228,008
2020/2021	All Sexes	85 years and over	176,578	1,427,606	144,227	73,855	1,872	248,585
2020/2021	All Sexes	All Ages	592,682	4,847,715	524,734	290,956	9,169	834,346
2020/2021	Female	0-17 years	139	19,823	351	26	83	547
2020/2021	Female	18-29 years	909	24,211	1,018	433	73	1,564
2020/2021	Female	30-39 years	2,453	41,334	2,411	1,145	163	3,874
2020/2021	Female	40-49 years	6,380	69,935	5,984	3,163	221	9,402
2020/2021	Female	50-64 years	33,712	306,423	33,533	18,231	914	49,821

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.
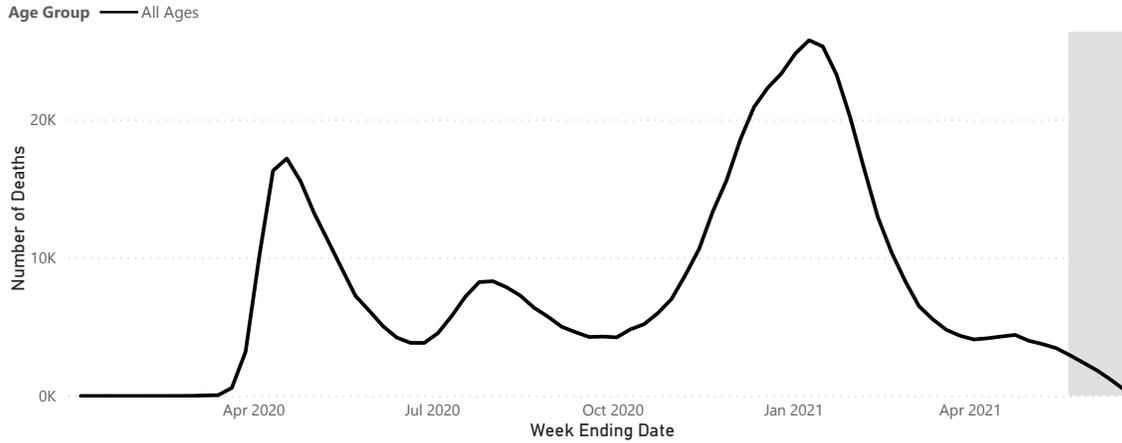[4] Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD–10 codes U07.1 or J09–18.9.

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 6/19/20... |

Data represented in the gray shaded area are incomplete. Deaths counts will be updated as additional data are received.

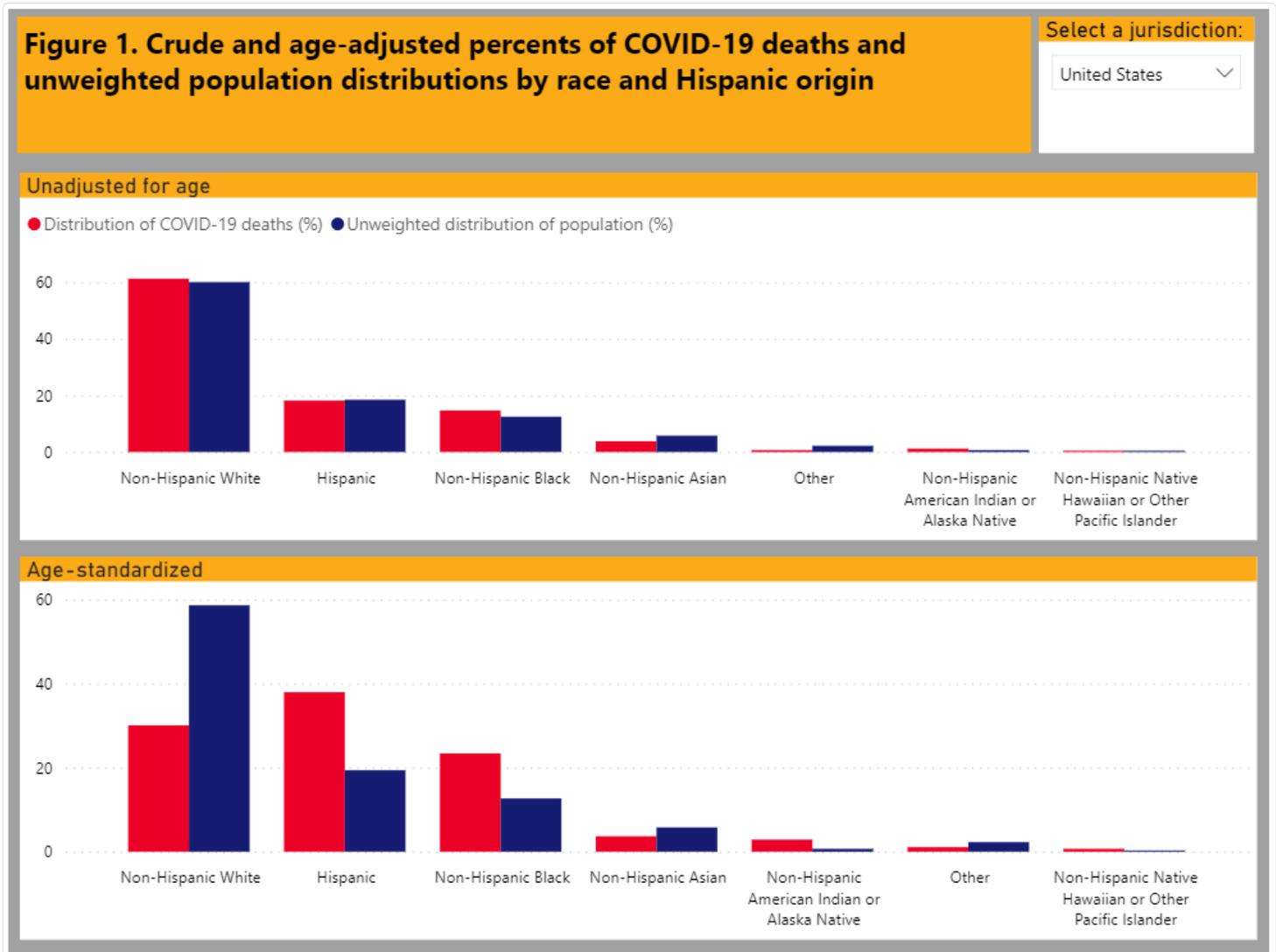Provisional Death Counts, by Week Ending Date and Age Group

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 Statistic 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

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:

6/23/2021

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]
2020/2021	United States	Decedent's home	42,671	1,626,494	35,834	11,137	1,738	68,246
2020/2021	United States	Healthcare setting, dead on arrival	539	13,588	334	145	18	746
2020/2021	United States	Healthcare setting, inpatient	388,437	1,504,453	390,680	236,410	5,804	548,177
2020/2021	United States	Healthcare setting, outpatient or emergency room	19,235	287,489	15,206	6,251	390	28,563
2020/2021	United States	Hospice facility	17,657	292,348	23,063	8,669	416	32,452
2020/2021	United States	Nursing home/long term care facility	112,287	796,934	51,420	25,022	662	139,309
2020/2021	United States	Other	11,756	325,683	8,135	3,281	140	16,731
2020/2021	United States	Place of death unknown	112	881	74	47	1	140
2020/2021	United States	Total - All Places of Death	592,694	4,847,870	524,746	290,962	9,169	834,364

Yearly

Monthly

Total

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⟨ 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:** 6/20/2021

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	272,284	426	1,931	5,117	15,133	38,331	66,218	76,062	69,060
2020/2021	Chronic lower respiratory diseases	52,433	65	175	420	1,318	5,378	12,901	17,498	14,677
2020/2021	Adult respiratory distress syndrome	61,692	168	664	1,769	5,254	11,946	17,790	14,970	9,130
2020/2021	Respiratory failure	222,872	323	1,346	3,743	11,534	30,434	54,964	64,281	56,243
2020/2021	Respiratory arrest	12,442	20	78	186	548	1,414	2,578	3,444	4,174
2020/2021	Other diseases of the respiratory system	25,360	78	226	523	1,435	3,707	6,200	7,060	6,131
2020/2021	Hypertensive diseases	116,267	40	347	1,463	4,903	13,923	26,008	32,587	36,993
2020/2021	Ischemic heart disease	64,661	13	88	359	1,630	6,025	13,816	20,368	22,360
2020/2021	Cardiac arrest	71,681	142	602	1,611	4,703	10,904	17,245	18,629	17,844
2020/2021	Cardiac arrhythmia	44,130	29	91	256	953	3,334	8,202	13,738	17,527
2020/2021	Heart failure	45,368	23	120	344	1,109	3,497	8,076	13,190	19,008
2020/2021	Cerebrovascular diseases	29,460	31	98	312	1,069	3,225	6,497	8,576	9,651
2020/2021	Other diseases of the circulatory system	38,542	134	373	816	2,128	5,096	8,736	10,388	10,870
2020/2021	Sepsis	57,004	121	467	1,347	4,002	9,998	16,385	15,020	9,663
2020/2021	Malignant neoplasms	28,479	73	112	331	1,082	3,727	7,627	8,791	6,736
2020/2021	Diabetes	94,361	114	545	1,944	6,073	15,484	26,107	26,141	17,951
2020/2021	Obesity	24,031	249	1,006	2,164	4,041	6,193	6,309	3,243	825

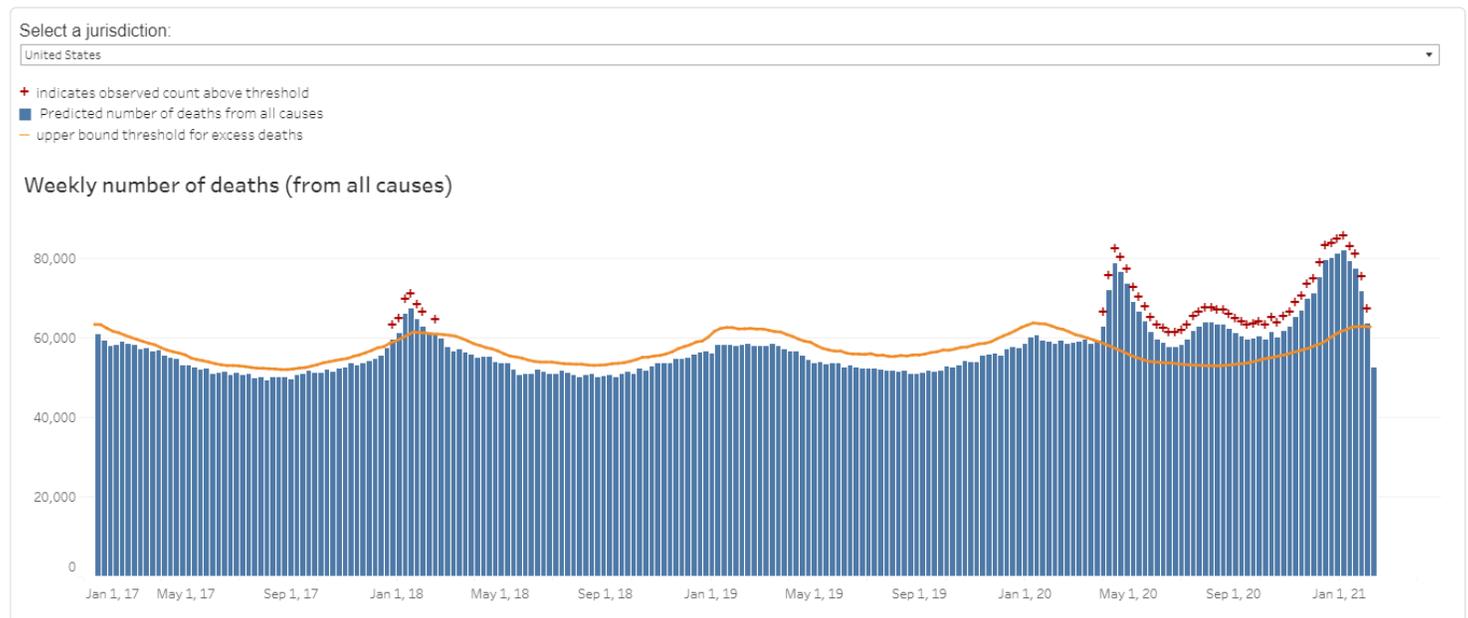| Yearly	Monthly	Total

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.

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