



## National Center for Health Statistics

# 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 6, 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.

As of January 4, 2021, the tables and datasets on this page include data from January 2020 through the present data period. Cumulative death totals will be higher than previous reports which were restricted to include data from the week ending February 1, 2020.

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## Age and sex

Table 1 has counts of death involving COVID-19 and select causes of death by sex and age group for the United States. For data on sex and age at the state level, [Click here to download](#). For data on sex and age by week,

[Click here to download](#).

**NOTICE TO USERS:** The data file for deaths by sex and age at the state level has been updated on September 2, 2020 to include the following age groups in addition to the age groups that are routinely included: 0-17, 18-29, 30-49, and 50-64. The new age groups are consistent with categories used across CDC COVID-19 surveillance pages. 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.

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 sex and age group. United States. Week ending 1/4/2020 to Intentional and unintentional injury, poisoning and other adverse events.\***

### Updated Renal failure

Sex	Age group	All Deaths involving COVID-19 (U07.1) <sup>1</sup>	Deaths from All Causes	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0–J18.9) <sup>2</sup>	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0–J18.9) <sup>2</sup>	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09–J11) <sup>3</sup>	Deaths involving Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) <sup>4</sup>	Population <sup>5</sup>
<b>Total</b>								
	All ages	<b>313,171</b>	3,171,913	307,957	144,615	8,676	484,102	328,239,523
	Under 1 year	<b>32</b>	17,750	189	6	21	236	3,783,052
	1–4 years	<b>19</b>	3,276	116	3	59	191	15,793,631
	5–14 years	<b>54</b>	5,247	149	10	74	267	40,994,163
	15–24 years	<b>494</b>	33,598	684	176	80	1,078	42,687,510
	25–34 years	<b>2,129</b>	68,807	2,465	947	231	3,862	45,940,321
	35–44 years	<b>5,559</b>	97,549	5,529	2,505	352	8,903	41,659,144
	45–54 years	<b>14,963</b>	178,444	14,522	7,231	759	22,903	40,874,902
	55–64 years	<b>37,235</b>	412,045	39,267	18,701	1,604	59,175	42,448,537

65–74 years	66,745	630,360	68,856	33,608	1,857	103,582	31,483,433
75–84 years	85,925	770,041	85,806	41,355	1,863	132,006	15,969,872
85 years and over	100,016	954,796	90,374	40,073	1,776	151,899	6,604,958
Males							
All ages	169,742	1,656,122	170,110	82,610	4,473	261,048	161,657,324
Under 1 year	21	9,776	112	4	10	139	1,935,117
1–4 years	11	1,899	55	2	38	102	8,074,090
5–14 years	32	3,141	81	8	36	141	20,941,023
15–24 years	296	24,840	417	104	37	643	21,810,359
25–34 years	1,359	48,548	1,489	582	113	2,369	23,359,180
35–44 years	3,715	64,075	3,443	1,687	184	5,631	20,792,080
45–54 years	10,061	111,878	8,968	4,869	444	14,528	20,171,966
55–64 years	23,887	253,487	23,882	11,916	919	36,615	20,499,219
65–74 years	40,863	365,797	41,442	20,809	1,035	62,356	14,699,579
75–84 years	47,988	401,080	48,671	23,933	934	73,531	6,998,223
85 years and over	41,509	371,601	41,550	18,696	723	64,993	2,376,488
Females							
All ages	143,423	1,515,683	137,840	62,000	4,202	223,045	166,582,199
Under 1 year	11	7,945	77	2	11	97	1,847,935
1–4 years	8	1,377	61	1	21	89	7,719,541
5–14 years	22	2,106	68	2	38	126	20,053,140
15–24 years	198	8,756	267	72	43	435	20,877,151
25–34 years	770	20,255	976	365	118	1,493	22,581,141
35–44 years	1,844	33,470	2,086	818	168	3,272	20,867,064
45–54 years	4,901	66,562	5,553	2,361	315	8,374	20,702,936

55–64 years	<b>13,348</b>	158,548	15,384	6,785	684	22,558	21,949,318
65–74 years	<b>25,881</b>	264,552	27,413	12,798	822	41,225	16,783,854
75–84 years	<b>37,935</b>	368,946	37,132	17,420	929	58,472	8,971,649
85 years and over	<b>58,505</b>	583,166	48,823	21,376	1,053	86,904	4,228,470

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. Counts of death occurring before or after the reporting period are not included in the table.

\*Data during this period 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.

<sup>1</sup>Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

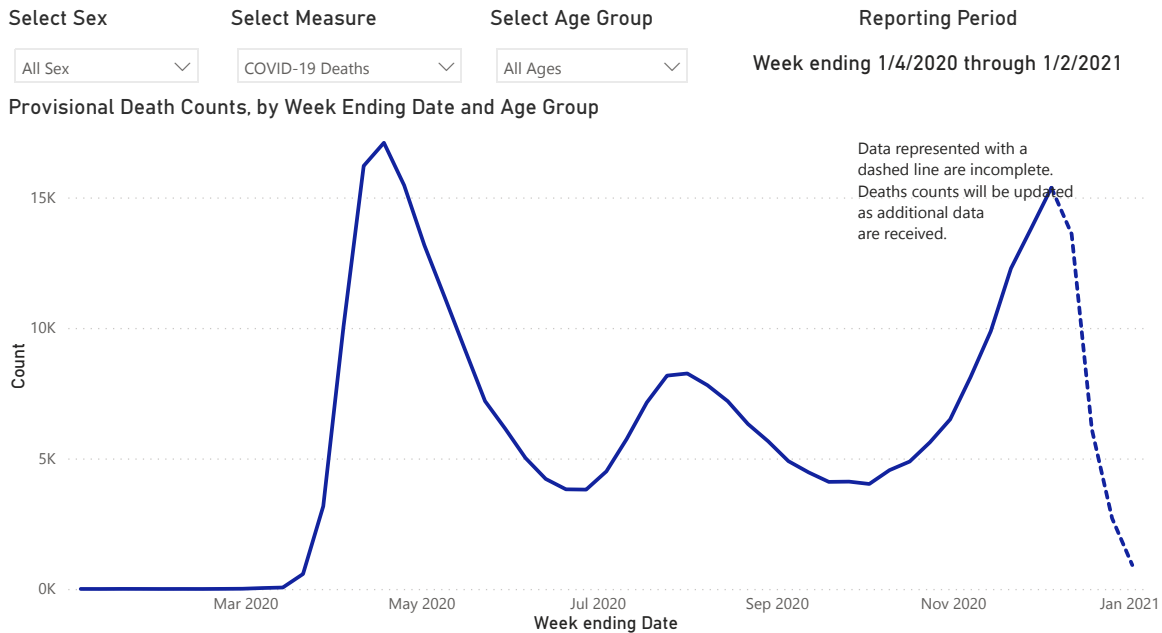
<sup>2</sup>Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

<sup>3</sup>Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

<sup>4</sup>Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09–18.9.

<sup>5</sup>Population is based on 2019 postcensal estimates from the U.S. Census Bureau.

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



**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 with dashed line) 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 Mortality Data, National Center for Health Statistics, Division of Vital Statistics, National Vital Statistics System.

Microsoft Power BI

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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: Race and Hispanic origin page.

## Place of death

Table 2 presents death counts of COVID-19 and other select causes of death by the place of death. For data on place of death at the state level, [Click here to download](#).

For data on place of death by age group, state, and HHS Region, [Click here to download](#).

▼ **Table 2. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by place of death, United States. Week ending 1/4/2020 to Intentional and unintentional injury, poisoning and other adverse events.\***

## Updated Renal failure

All Deaths

Deaths involving  
Pneumonia, with or without

Deaths involving  
COVID-19 and

All Deaths involving  
Influenza, with or

Place of death	involving COVID-19 (U07.1) <sup>1</sup>	Deaths from All Causes	COVID-19, excluding Influenza deaths (J12.0–J18.9) <sup>2</sup>	Pneumonia, excluding Influenza (U07.1 and J12.0– J18.9) <sup>2</sup>	without COVID-19 or Pneumonia (J09–J11) <sup>3</sup>
Total	<b>313,171</b>	3,171,913	307,957	144,615	8,676
Healthcare setting, inpatient	<b>200,132</b>	940,717	222,218	115,552	5,469
Healthcare setting, outpatient or emergency room	<b>10,340</b>	189,463	9,646	3,323	366
Healthcare setting, dead on arrival	<b>278</b>	9,014	217	79	17
Decedent's home	<b>18,365</b>	1,067,455	21,158	4,269	1,663
Hospice facility	<b>9,045</b>	197,233	14,466	4,346	402
Nursing home/long term care facility	<b>69,075</b>	550,510	35,267	15,524	625
Other	<b>5,778</b>	214,172	4,887	1,480	131
Place of death unknown	<b>158</b>	3,349	98	42	3

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do 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 this period 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.

<sup>1</sup>Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

<sup>2</sup>Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

<sup>3</sup>Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

### Comorbidities

Table 3 shows the types of health conditions and contributing causes mentioned in conjunction with deaths involving coronavirus disease 2019 (COVID-19). For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 2.9 additional conditions or causes per death. The number of mentions for each condition or cause is shown for all deaths and by age groups.

**Starting December 23, 2020, the data file will also include the number of deaths that mention the listed conditions. The new column, “COVID-19 Deaths” represents the number of deaths that mention one or more of the conditions indicated. The data file’s existing “Number of Mentions” column represents the number of total conditions mentioned for each age group.**

For data on the comorbidities and conditions mentioned in COVID-19 deaths, [Click here to download](#).

▼ **Table 3. Conditions contributing to deaths involving coronavirus disease 2019 (COVID-19), by age group, United States. Week ending 1/4/2020 to Intentional and unintentional injury, poisoning and other adverse events.\***

### Updated Renal failure

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		Number of Conditions								
		Age Group								
Conditions Contributing to Deaths where COVID-19 was listed on the death certificate <sup>1</sup>	ICD-10 codes	All ages	0-24 years	25- 34	35- 44	45- 54	55- 64	65- 74	75- 84	85 years and over

Total COVID-19 deaths <sup>2</sup> , as of Intentional and unintentional injury, poisoning and other adverse events	U071	307,249	590	2,112	5,468	14,691	36,528	65,462	84,272	98,120
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<b>Respiratory diseases</b>		-	-	-	-	-	-	-	-	-
75-84 years	85925	55,685	13,111	741	2,917	78	230	12,753	410	
Ischemic heart disease	I20-I25	35,292	7	47	173	796	3,082	7,277	10,972	12,937
85 years and over	100016	76,058	10,038	426	3,280	36	193	9,701	284	
Cardiac arrest	I46	34,652	78	313	771	2,210	4,992	8,115	8,904	9,269
Cardiac arrhythmia	I44, I45, I47-I49	21,313	16	43	122	444	1,460	3,784	6,536	8,908
Heart failure	I50	22,321	10	55	138	502	1,674	3,774	6,307	9,861
Cerebrovascular diseases	I60-I69	15,483	14	46	154	525	1,696	3,355	4,506	5,186
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	18,823	74	186	408	991	2,315	4,088	5,008	5,753
<b>Sepsis</b>	A40-A41	28,205	60	236	627	1,954	4,677	7,896	7,488	5,267
<b>Malignant neoplasms</b>	C00-C97	14,925	40	60	173	514	1,947	3,903	4,566	3,722
<b>Diabetes</b>	E10-E14	49,116	67	283	1,013	3,073	7,739	13,208	13,625	10,108
<b>Obesity</b>	E65-E68	11,511	132	481	1,084	1,908	2,841	2,989	1,635	441
Influenza and pneumonia	J09-J18	134,600	200	964	2,500	7,215	17,950	31,202	37,565	37,001
<b>Alzheimer disease</b>	G30	12,080	0	0	2	6	92	798	3,454	7,728
Chronic lower respiratory diseases	J40-J47	28,036	36	100	227	684	2,750	6,714	9,241	8,283
Adult respiratory distress syndrome	J80	35,583	93	365	992	2,822	6,361	9,664	8,881	6,403
Respiratory failure	J96	111,152	165	684	1,814	5,495	13,976	26,045	32,246	30,725
Respiratory arrest	R09.2	6,408	13	43	99	270	685	1,272	1,737	2,289

Other diseases of the respiratory system	J39, J60-J70, J81-J86, J90-J95, J97-J99, U04	11,814	30	101	244	612	1,535	2,703	3,293	3,296
<b>Circulatory diseases</b>		-	-	-	-	-	-	-	-	-
Hypertensive diseases	I10-I15	63,052	25	176	757	2,529	7,222	13,620	17,605	21,118
Condition	ICD10_codes	All ages	0	25	35	45	55	65	75	85

NOTE: Number of conditions 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 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 the period 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.

<sup>1</sup>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.

<sup>2</sup>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.

## State and County Data Files

Weekly Counts of Deaths by State and Select Causes

- [Final data for 2014–2018](#) 🔄 – Weekly counts of leading causes of death based on final underlying cause mortality data for years 2014–2018.
- [Provisional data for 2019–2020](#) 🔄 – Weekly counts of leading causes of death based on provisional underlying cause mortality data for 2019–2020, updated weekly.

### Provisional COVID-19 Death Counts in the United States by County 🔄

- This file includes deaths involving COVID-19 (coded to ICD-10 code U07.1) and total deaths per county. Counties included in this table had 10 or more COVID-19 deaths at the time of analysis.



# 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.

