



## 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 November 25, 2020. 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.

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For the Index of Provisional COVID-19 Mortality Surveillance and Ad-hoc Data Files, [click here](#).

## 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 2/1/2020 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>240,213</b>	2,579,548	242,296	109,504	6,829	378,800	328,239,523
	Under 1 year	<b>29</b>	14,582	136	4	15	176	3,783,052
	1–4 years	<b>16</b>	2,718	89	2	42	145	15,793,631
	5–14 years	<b>42</b>	4,366	120	7	53	208	40,994,163
	15–24 years	<b>428</b>	28,020	566	148	55	897	42,687,510
	25–34 years	<b>1,812</b>	57,251	2,009	802	154	3,158	45,940,321
	35–44 years	<b>4,663</b>	80,852	4,513	2,062	250	7,335	41,659,144
	45–54 years	<b>12,371</b>	147,270	11,792	5,859	592	18,787	40,874,902
	55–64 years	<b>29,888</b>	337,300	31,666	14,776	1,258	47,813	42,448,537
	65–74 years	<b>51,667</b>	512,249	54,235	25,488	1,487	81,649	31,483,433

75–84 years	<b>64,575</b>	623,712	66,663	30,404	1,512	102,128	15,969,872
85 years and over	<b>74,722</b>	771,228	70,507	29,952	1,411	116,504	6,604,958
<b>Males</b>							
All ages	<b>130,005</b>	1,346,939	133,445	62,138	3,528	204,206	161,657,324
Under 1 year	<b>20</b>	8,063	82	3	7	106	1,935,117
1–4 years	<b>8</b>	1,585	44	1	25	76	8,074,090
5–14 years	<b>27</b>	2,623	63	6	24	108	20,941,023
15–24 years	<b>262</b>	20,737	346	89	27	543	21,810,359
25–34 years	<b>1,169</b>	40,500	1,232	505	79	1,965	23,359,180
35–44 years	<b>3,132</b>	53,199	2,817	1,385	133	4,675	20,792,080
45–54 years	<b>8,368</b>	92,454	7,334	3,972	354	12,009	20,171,966
55–64 years	<b>19,285</b>	207,645	19,298	9,476	716	29,672	20,499,219
65–74 years	<b>31,615</b>	297,285	32,616	15,749	830	49,149	14,699,579
75–84 years	<b>35,702</b>	324,116	37,569	17,349	755	56,555	6,998,223
85 years and over	<b>30,417</b>	298,732	32,044	13,603	578	49,348	2,376,488
<b>Females</b>							
All ages	<b>110,202</b>	1,232,515	108,844	47,362	3,300	174,584	166,582,199
Under 1 year	<b>9</b>	6,495	54	1	8	70	1,847,935
1–4 years	<b>8</b>	1,133	45	1	17	69	7,719,541
5–14 years	<b>15</b>	1,743	57	1	29	100	20,053,140
15–24 years	<b>166</b>	7,280	220	59	28	354	20,877,151
25–34 years	<b>643</b>	16,749	777	297	75	1,193	22,581,141
35–44 years	<b>1,531</b>	27,650	1,696	677	117	2,660	20,867,064
45–54 years	<b>4,001</b>	54,812	4,457	1,886	238	6,776	20,702,936
55–64 years	<b>10,603</b>	129,646	12,367	5,300	541	18,139	21,949,318

65–74 years	20,051	214,954	21,618	9,738	657	32,499	16,783,854
75–84 years	28,872	299,581	29,092	13,054	757	45,571	8,971,649
85 years and over	44,303	472,472	38,461	16,348	833	67,153	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.

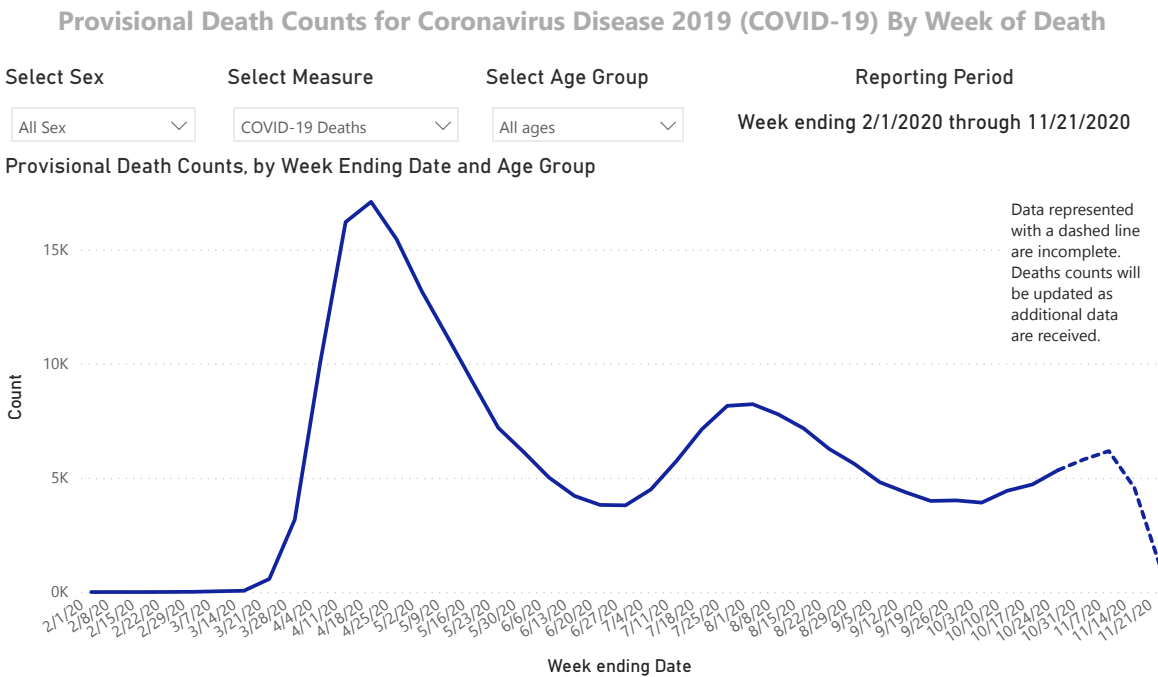
<sup>1</sup>Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

<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.



**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, National Vital Statistics System. Estimates are based on provisional data.

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 2/1/2020 to Intentional and unintentional injury, poisoning and other adverse events.\***

### Updated Renal failure

Place of death	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>
Total	<b>240,213</b>	2,579,548	242,296	109,504	6,829
Healthcare setting, inpatient	<b>155,186</b>	755,611	173,926	87,410	4,139
Healthcare setting, outpatient or emergency room	<b>8,174</b>	153,484	7,736	2,635	248
Healthcare setting, dead on arrival	<b>220</b>	7,362	161	60	13
Decedent's home	<b>13,407</b>	876,453	16,666	2,908	1,471
Hospice facility	<b>7,160</b>	160,527	11,607	3,361	322
Nursing home/long term care facility	<b>51,573</b>	445,579	28,187	11,972	535
Other	<b>4,376</b>	176,890	3,923	1,124	100
Place of death unknown	<b>117</b>	3,642	90	34	1

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 2.6 additional conditions or causes per death. The number of deaths with each condition or cause is shown for all deaths and by age groups. For data on comorbidities,

 [Click here to download](#) .

▼ **Table 3. Conditions contributing to deaths involving coronavirus disease 2019 (COVID-19), by age group, United States. Week ending 2/1/2020 to Intentional and unintentional injury, poisoning and other adverse events.\***

**Updated Renal failure**

		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 years	35–44 years	45–54 years	55–64 years	65–74 years	75–84 years	85 years and over
Total COVID-19 deaths <sup>2</sup> , as of Intentional and unintentional injury, poisoning and other adverse events	U071	236,232	511	1,799	4,612	12,205	29,488	50,885	63,383	73,343
<b>Respiratory diseases</b>		-	-	-	-	-	-	-	-	-
75–84 years	64575	39,013	11,577	516	2,378	59	185	10,450	397	
Ischemic heart disease	I20–I25	27,189	4	38	147	644	2,471	5,627	8,356	9,901
85 years and over	74722	54,355	8,837	297	2,738	27	144	8,031	293	
Cardiac arrest	I46	27,911	73	265	653	1,834	4,097	6,480	7,030	7,479
Cardiac arrhythmia	I44, I45, I47–I49	15,728	13	34	101	346	1,145	2,860	4,755	6,474
Heart failure	I50	16,518	7	53	121	423	1,353	2,858	4,644	7,059
Cerebrovascular diseases	I60–I69	11,951	9	39	123	431	1,365	2,694	3,463	3,826
Other diseases of the circulatory system	I00–I09, I26–I43, I51, I52, I70–I99	14,055	63	144	334	788	1,824	3,111	3,586	4,205
<b>Sepsis</b>	A40–A41	22,285	53	216	536	1,612	3,812	6,208	5,730	4,118
<b>Malignant neoplasms</b>	C00–C97	11,316	36	52	141	416	1,506	2,993	3,389	2,783
<b>Diabetes</b>	E10–E14	38,706	60	248	853	2,588	6,332	10,431	10,490	7,704
<b>Obesity</b>	E65–E68	9,013	118	409	920	1,550	2,252	2,243	1,195	326

Influenza and pneumonia	J09-J18	102,491	169	815	2,067	5,902	14,307	23,792	27,715	27,721
<b>Alzheimer disease</b>	G30	9,039	0	0	0	5	71	610	2,626	5,727
Chronic lower respiratory diseases	J40-J47	21,113	33	85	195	563	2,175	5,112	6,819	6,130
Adult respiratory distress syndrome	J80	29,430	82	319	853	2,419	5,306	7,884	7,212	5,353
Respiratory failure	J96	83,477	147	583	1,497	4,486	11,049	19,665	23,509	22,539
Respiratory arrest	R09.2	4,815	10	36	85	227	534	983	1,289	1,651
Other diseases of the respiratory system	J00-J06, J20-J39, J60-J70, J81-J86, J90-J95, J97-J99, U04	9,151	25	82	206	502	1,189	2,084	2,489	2,574
<b>Circulatory diseases</b>		-	-	-	-	-	-	-	-	-
Hypertensive diseases	I10-I15	50,492	24	156	642	2,143	6,039	11,090	13,929	16,469
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.

