



# 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: Race and Hispanic Origin](#)

[Excess Deaths Associated with COVID-19](#)

[Index of Available Data Files](#)

[Technical Notes](#)

Updated: February 10, 2021

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of February 10, 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.

## 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](#).

## Sex and Age

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](#).

[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, from 1/1/2020 to 2/6/2021.\*

Updated February 10, 2021

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>443,107</b>	3,587,923	389,232	210,828	8,844	629,180	328,239,523
	Under 1 year	<b>45</b>	19,453	212	7	21	271	3,783,052
	1–4 years	<b>23</b>	3,528	124	3	59	203	15,793,631
	5–14 years	<b>69</b>	5,717	163	13	75	294	40,994,163
	15–24 years	<b>626</b>	36,865	778	236	81	1,244	42,687,510
	25–34 years	<b>2,804</b>	76,018	2,898	1,249	234	4,670	45,940,321
	35–44 years	<b>7,395</b>	108,776	6,746	3,414	356	11,048	41,659,144
	45–54 years	<b>20,403</b>	200,228	18,116	10,155	767	29,018	40,874,902

55-64 years	<b>51,786</b>	463,880	49,248	26,804	1,626	75,617	42,448,537
65-74 years	<b>94,964</b>	715,472	88,319	49,677	1,896	135,212	31,483,433
75-84 years	<b>123,412</b>	875,861	109,882	61,358	1,919	173,595	15,969,872
85 years and over	<b>141,580</b>	1,082,125	112,746	57,912	1,810	198,008	6,604,958

## Males

All ages	<b>240,895</b>	1,876,505	216,774	121,123	4,569	340,392	161,657,324
Under 1 year	<b>30</b>	10,772	125	5	10	160	1,935,117
1-4 years	<b>14</b>	2,032	59	2	38	109	8,074,090
5-14 years	<b>39</b>	3,406	89	10	37	155	20,941,023
15-24 years	<b>377</b>	27,269	471	139	38	743	21,810,359
25-34 years	<b>1,791</b>	53,607	1,761	773	115	2,883	23,359,180
35-44 years	<b>4,877</b>	71,311	4,170	2,250	187	6,958	20,792,080
45-54 years	<b>13,622</b>	125,730	11,263	6,774	446	18,479	20,171,966
55-64 years	<b>33,118</b>	285,726	30,082	17,037	937	46,936	20,499,219
65-74 years	<b>58,234</b>	416,226	53,472	30,846	1,059	81,727	14,699,579
75-84 years	<b>69,257</b>	457,512	62,877	35,835	964	97,116	6,998,223
85 years and over	<b>59,536</b>	422,914	52,405	27,452	738	85,126	2,376,488

## Females

All ages	<b>202,202</b>	1,711,309	172,450	89,699	4,275	288,776	166,582,199
Under 1 year	<b>15</b>	8,648	87	2	11	111	1,847,935
1-4 years	<b>9</b>	1,496	65	1	21	94	7,719,541
5-14 years	<b>30</b>	2,311	74	3	38	139	20,053,140
15-24 years	<b>249</b>	9,594	307	97	43	501	20,877,151
25-34 years	<b>1,013</b>	22,407	1,137	476	119	1,787	22,581,141
35-44	<b>2,518</b>	37,462	2,576	1,164	169	4,090	20,867,064

years							
45-54 years	<b>6,780</b>	74,494	6,852	3,380	321	10,538	20,702,936
55-64 years	<b>18,667</b>	178,145	19,164	9,766	689	28,679	21,949,318
65-74 years	<b>36,727</b>	299,235	34,846	18,830	837	53,482	16,783,854
75-84 years	<b>54,152</b>	418,337	47,002	25,521	955	76,475	8,971,649
85 years and over	<b>82,042</b>	659,180	60,340	30,459	1,072	112,880	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.

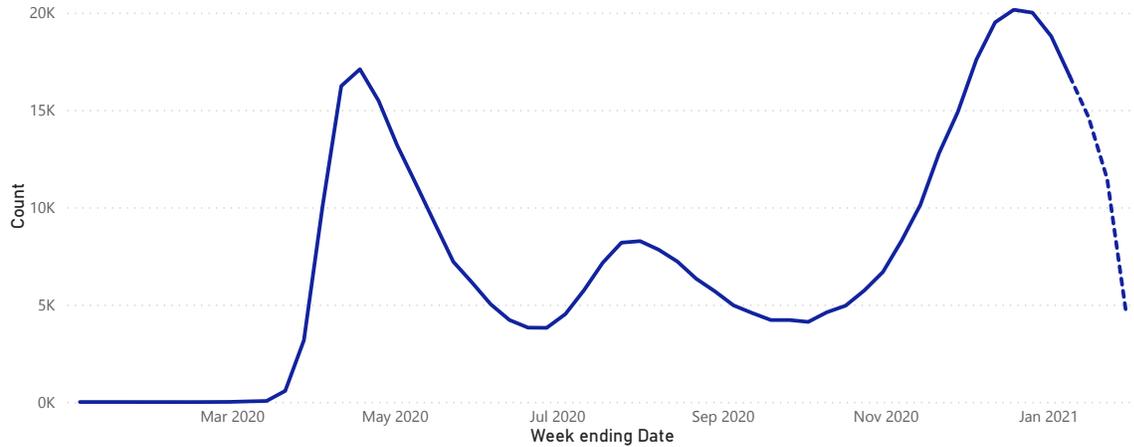
<sup>5</sup>Population is based on 2019 postcensal estimates from the U.S. Census Bureau.

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

Select Sex: All Sex | Select Measure: COVID-19 Deaths | Select Age Group: All Ages | Reporting Period: Week ending 1/4/2020 through 1/30/2021

Data represented with a dashed line are incomplete. Deaths counts will be updated as additional data are received.

Provisional Death Counts, by Week Ending Date and Age Group



**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.

### 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, from 1/1/2020 to 2/6/2021.\***

Updated February 10, 2021

Place of death	All Deaths involving COVID-	Deaths from	Deaths involving Pneumonia, with or without COVID-19,	Deaths involving COVID-19 and Pneumonia, excluding	All Deaths involving Influenza, with or without COVID-19 or
----------------	-----------------------------	-------------	---	--	---

	19 (U07.1) <sup>1</sup>	All Causes	excluding Influenza deaths (J12.0-J18.9) <sup>2</sup>	Influenza (U07.1 and J12.0-J18.9) <sup>2</sup>	Pneumonia (J09-J11) <sup>3</sup>
Total	<b>443,107</b>	3,587,923	389,232	210,828	8,844
Healthcare setting, inpatient	<b>283,605</b>	1,096,749	285,677	169,072	5,576
Healthcare setting, outpatient or emergency room	<b>14,539</b>	213,008	11,768	4,782	374
Healthcare setting, dead on arrival	<b>387</b>	10,029	257	104	17
Decedent's home	<b>28,391</b>	1,190,855	25,778	7,153	1,691
Hospice facility	<b>12,850</b>	215,323	17,230	6,313	409
Nursing home/long term care facility	<b>94,427</b>	620,391	42,312	20,998	639
Other	<b>8,736</b>	238,310	6,105	2,357	135
Place of death unknown	<b>172</b>	3,258	105	49	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 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). 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 2/6/2021.\***

Updated February 10, 2021

	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 2/6/2021	U071	435,846	755	2,776	7,296	20,075	50,926	93,215	121,285	139,509
<b>Respiratory diseases</b>		-	-	-	-	-	-	-	-	-
Influenza and pneumonia	J09-J18	197,104	267	1,261	3,426	10,132	25,806	46,239	56,123	53,845
Chronic lower respiratory diseases	J40-J47	40,029	44	123	284	923	3,835	9,610	13,444	11,765
Adult respiratory distress syndrome	J80	46,348	112	461	1,243	3,656	8,336	12,903	11,749	7,886
Respiratory failure	J96	162,906	221	918	2,516	7,702	20,328	38,463	47,990	44,765
Respiratory arrest	R09.2	9,310	15	56	141	386	999	1,841	2,578	3,294
Other diseases of the respiratory system	J00-J06, J20-J39, J60-J70, J81-J86, J90-J95, J97-J99, U04	17,088	44	134	345	877	2,303	4,027	4,796	4,562
<b>Circulatory diseases</b>		-	-	-	-	-	-	-	-	-
Hypertensive diseases	I10-I15	87,719	29	239	1,022	3,403	9,871	18,966	24,698	29,490
Ischemic heart disease	I20-I25	49,877	8	60	240	1,085	4,261	10,289	15,716	18,217
Cardiac arrest	I46	50,734	95	407	1,062	3,116	7,249	11,810	13,480	13,514
Cardiac arrhythmia	I44, I45, I47-I49	31,582	18	58	164	616	2,140	5,627	9,779	13,180
Heart failure	I50	32,510	11	72	217	706	2,360	5,415	9,414	14,315
Cerebrovascular diseases	I60-I69	21,580	19	66	200	716	2,218	4,616	6,342	7,402
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	27,746	90	240	562	1,364	3,344	6,074	7,623	8,449
<b>Sepsis</b>	A40-A41	39,489	74	313	877	2,617	6,533	11,118	10,695	7,261
<b>Malignant neoplasms</b>	C00-C97	21,884	54	75	242	780	2,772	5,741	6,758	5,462
<b>Diabetes</b>	E10-E14	69,464	80	374	1,367	4,222	10,880	18,772	19,605	14,163
<b>Obesity</b>	E65-E68	16,455	161	662	1,444	2,682	4,092	4,360	2,413	641
<b>Alzheimer disease</b>	G30	17,112	0	0	3	11	140	1,078	4,893	10,987

<b>Vascular and unspecified dementia</b>	F01, F03	46,818	0	1	4	43	589	3,969	13,734	28,478
<b>Renal failure</b>	N17-N19	41,478	44	262	757	2,238	5,684	10,357	11,762	10,372
<b>Intentional and unintentional injury, poisoning and other adverse events</b>	S00-T98, V01-X59, X60-X84, X85-Y09, Y10-Y36, Y40-Y89, U01-U03	16,046	147	342	503	849	1,847	3,048	4,016	5,294
<b>All other conditions and causes (residual)</b>	A00-A39, A42-B99, D00-E07, E15-E64, E70-E90, F00, F02, F04-G26, G31-H95, K00-K93, L00-M99, N00-N16, N20-N99, O00-O99, P00-P96, Q00-Q99, R00-R08, R09.0, R09.1, R09.3, R09.8, R10-R99	240,730	626	1,779	4,194	11,299	29,579	55,008	67,024	71,211

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.

## 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. Updated weekly.
- [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. **\*\*ADDED 2/3/2021\*\***

- [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. Updated weekly. **\*\*ADDED 2/3/2021\*\***

#### 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.

## 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.

