



## National Center for Health Statistics

# Weekly Updates by Select Demographic and Geographic Characteristics

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

### Contents

[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: January 13, 2021

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of January 13, 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. Age and sex](#)
- [2. Race and Hispanic origin](#)
- [3. Place of death](#)
- [4. Comorbidities](#)
- [5. Excess deaths](#)
- [6. State and county data files](#)

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, from 1/1/2020 to 1/9/2021.\*

Updated January 13, 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>329,593</b>	3,247,306	319,102	152,620	8,696	503,675	328,239,523
	Under 1 year	<b>34</b>	18,083	192	6	21	241	3,783,052
	1–4 years	<b>21</b>	3,329	117	3	59	194	15,793,631
	5–14 years	<b>55</b>	5,334	151	10	74	270	40,994,163
	15–24 years	<b>510</b>	34,251	697	181	80	1,102	42,687,510
	25–34 years	<b>2,196</b>	70,231	2,519	977	232	3,953	45,940,321
	35–44 years	<b>5,742</b>	99,685	5,664	2,589	352	9,137	41,659,144
	45–54 years	<b>15,558</b>	182,321	14,963	7,548	760	23,623	40,874,902
	55–64 years	<b>38,830</b>	421,300	40,537	19,569	1,604	61,172	42,448,537

65–74 years	<b>70,230</b>	645,448	71,472	35,509	1,861	107,786	31,483,433
75–84 years	<b>90,744</b>	789,035	89,108	43,814	1,873	137,673	15,969,872
85 years and over	<b>105,673</b>	978,289	93,682	42,414	1,780	158,524	6,604,958

## Males

All ages	<b>178,688</b>	1,695,695	176,461	87,293	4,481	271,666	161,657,324
Under 1 year	<b>22</b>	9,958	112	4	10	140	1,935,117
1–4 years	<b>12</b>	1,930	55	2	38	103	8,074,090
5–14 years	<b>32</b>	3,188	82	8	36	142	20,941,023
15–24 years	<b>310</b>	25,325	425	109	37	660	21,810,359
25–34 years	<b>1,401</b>	49,562	1,524	604	114	2,424	23,359,180
35–44 years	<b>3,839</b>	65,441	3,520	1,740	184	5,779	20,792,080
45–54 years	<b>10,452</b>	114,344	9,240	5,075	445	14,986	20,171,966
55–64 years	<b>24,897</b>	259,161	24,638	12,457	919	37,840	20,499,219
65–74 years	<b>42,999</b>	374,671	43,070	22,002	1,036	64,928	14,699,579
75–84 years	<b>50,761</b>	411,136	50,644	25,440	938	76,771	6,998,223
85 years and over	<b>43,963</b>	380,979	43,151	19,852	724	67,893	2,376,488

## Females

All ages	<b>150,898</b>	1,551,496	142,634	65,322	4,214	231,999	166,582,199
Under 1 year	<b>12</b>	8,094	80	2	11	101	1,847,935
1–4 years	<b>9</b>	1,399	62	1	21	91	7,719,541
5–14 years	<b>23</b>	2,146	69	2	38	128	20,053,140
15–24 years	<b>200</b>	8,924	272	72	43	442	20,877,151
25–34 years	<b>795</b>	20,664	995	373	118	1,529	22,581,141
35–44 years	<b>1,903</b>	34,240	2,144	849	168	3,358	20,867,064
45–54 years	<b>5,105</b>	67,972	5,722	2,472	315	8,636	20,702,936

55-64 years	<b>13,933</b>	162,129	15,898	7,112	684	23,330	21,949,318
65-74 years	<b>27,230</b>	270,766	28,401	13,506	825	42,857	16,783,854
75-84 years	<b>39,980</b>	377,883	38,461	18,372	935	60,898	8,971,649
85 years and over	<b>61,708</b>	597,279	50,530	22,561	1,056	90,629	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.

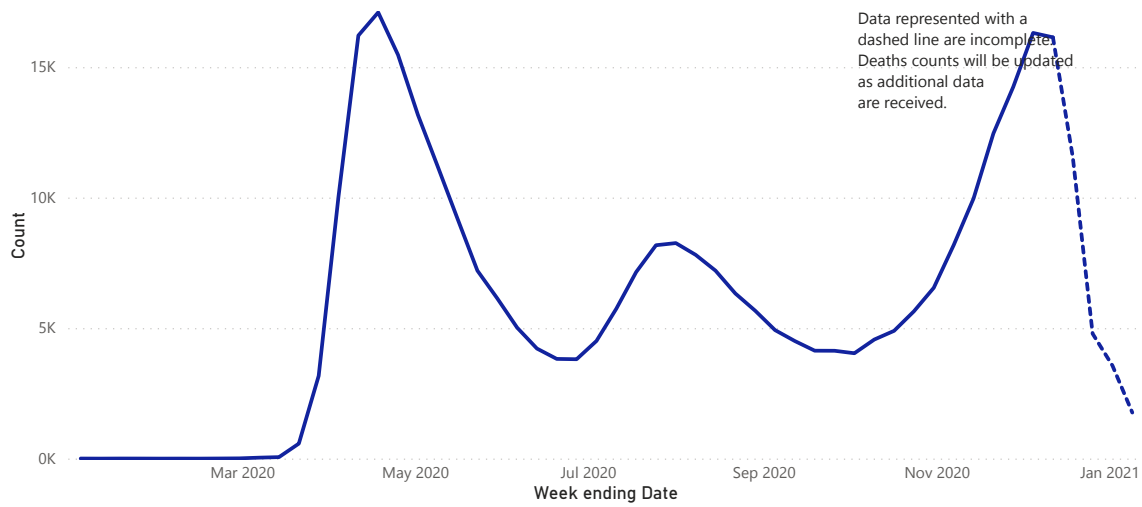
<sup>4</sup>Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

<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:  | Select Measure:  | Select Age Group:  | Reporting Period:

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.

**SOURCE:** NCHS Medical-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, from 1/1/2020 to 1/9/2021.\*

Updated January 13, 2021

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>329,593</b>	3,247,306	319,102	152,620	8,696
Healthcare setting, inpatient	<b>210,460</b>	965,884	230,711	122,005	5,478
Healthcare setting, outpatient or emergency room	<b>10,851</b>	194,021	9,960	3,501	370
Healthcare setting, dead on arrival	<b>291</b>	9,251	224	81	17
Decedent's home	<b>19,434</b>	1,091,714	21,822	4,568	1,667
Hospice facility	<b>9,426</b>	198,917	14,826	4,539	403
Nursing home/long term care facility	<b>72,850</b>	565,508	36,423	16,314	627
Other	<b>6,117</b>	218,591	5,035	1,567	131
Place of death unknown	<b>164</b>	3,420	101	45	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 1/9/2021.\***

Updated January 13, 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 1/9/2021	U071	322,441	610	2,175	5,662	15,339	38,139	68,686	88,685	103,139
<b>Respiratory diseases</b>		-	-	-	-	-	-	-	-	-
Influenza and pneumonia	J09-J18	141,763	205	985	2,584	7,555	18,829	32,832	39,762	39,008
Chronic lower respiratory diseases	J40-J47	29,326	37	101	234	705	2,870	7,007	9,704	8,667
Adult respiratory distress syndrome	J80	36,915	98	373	1,023	2,921	6,588	10,052	9,234	6,624
Respiratory failure	J96	117,102	170	705	1,883	5,747	14,647	27,420	34,112	32,416
Respiratory arrest	R09.2	6,727	13	43	107	288	720	1,325	1,833	2,398
Other diseases of the respiratory system	J00-J06, J20-J39, J60-J70, J81-J86, J90-J95, J97-J99, U04	12,352	32	102	252	646	1,611	2,831	3,445	3,433
<b>Circulatory diseases</b>		-	-	-	-	-	-	-	-	-
Hypertensive diseases	I10-I15	65,600	25	183	779	2,627	7,487	14,157	18,307	22,035
Ischemic heart	I20-I25	36,863	7	50	181	836	3,219	7,584	11,471	13,514

disease										
Cardiac arrest	I46	36,434	84	318	805	2,313	5,237	8,544	9,402	9,731
Cardiac arrhythmia	I44, I45, I47-I49	22,378	17	43	130	461	1,519	3,958	6,879	9,371
Heart failure	I50	23,428	10	55	146	522	1,749	3,947	6,652	10,347
Cerebrovascular diseases	I60-I69	16,117	14	47	163	550	1,751	3,475	4,703	5,413
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	19,723	75	192	418	1,032	2,404	4,264	5,291	6,047
<b>Sepsis</b>	A40-A41	29,517	61	242	655	2,043	4,874	8,261	7,852	5,529
<b>Malignant neoplasms</b>	C00-C97	15,638	42	62	181	538	2,036	4,072	4,795	3,912
<b>Diabetes</b>	E10-E14	51,222	69	290	1,040	3,191	8,060	13,791	14,247	10,534
<b>Obesity</b>	E65-E68	12,037	135	498	1,113	1,986	2,977	3,146	1,714	468
<b>Alzheimer disease</b>	G30	12,628	0	0	2	7	99	824	3,607	8,089
<b>Vascular and unspecified dementia</b>	F01, F03	35,428	0	1	3	38	481	3,128	10,503	21,274
<b>Renal failure</b>	N17-N19	29,246	35	202	557	1,656	4,134	7,367	8,126	7,167
<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	11,781	113	282	393	642	1,333	2,223	2,883	3,912
<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	171,643	508	1,359	3,080	8,404	21,534	39,434	47,146	50,170

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.