

## 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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Updated: August 26, 2020





Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of August 26, 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](#).

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 8/22/2020

Updated August 26, 2020

Sex Sex	Age Age group	All Deaths including COVID-19 (U07.1) <sup>1</sup>	Deaths from All Causes	Deaths in Pneumonia, with or without COVID-19, excluding Influenza (J12.0-J18.9) <sup>2</sup>	Deaths in Pneumonia, with or without COVID-19, excluding Influenza (J12.0-J18.9) <sup>2</sup>	All Deaths including Influenza with COVID-19 or Pneumonia (J09-J11) <sup>3</sup>	Deaths in Pneumonia, with or without Influenza, including COVID-19 (J09-J18.9) <sup>4</sup>	Population <sup>5</sup> Population <sup>5</sup>
Total								
	All ages	164,280	1,778,821	169,108	72,527	6,640	266,520	327,167,434
	Under 1 year	17	9,835	89	2	16	120	3,848,208
	1–4 years	12	1,909	66	2	41	117	15,962,067
	5–14 years	28	2,935	93	8	51	164	41,075,169
	15–24 years	280	18,594	375	95	52	608	42,970,800
	25–34 years	1,257	38,503	1,421	554	150	2,260	45,697,774
	35–44 years	3,301	54,563	3,158	1,435	246	5,241	41,277,888
	45–54 years	8,648	100,926	8,138	3,938	575	13,319	41,631,699
	55–64 years	20,655	231,983	21,857	9,780	1,234	33,745	42,272,636
	65–74 years	34,980	351,806	37,163	16,503	1,436	56,843	30,492,316
	75–84 years	43,392	430,582	46,174	19,797	1,465	71,033	15,394,374
	85 years and over	51,710	537,185	50,574	20,413	1,374	83,070	6,544,503
Males								
	All ages	88,716	368,276	33,635	8,785	2,989	2,990	161,128,679
	Under 1 year	12	5,456	58	2	8	76	1,968,505
	1–4 years	6	1,118	32	1	25	62	8,163,697
	5–14 years	20	1,743	49	7	23	85	20,974,830
	15–24 years	177	13,764	233	60	27	374	21,976,455
	25–34 years	844	27,147	889	372	76	1,428	23,210,709
	35–44 years	2,270	35,953	2,017	990	132	3,406	20,587,600
	45–54 years	5,933	63,494	5,099	2,716	341	8,585	20,541,202
	55–64 years	13,523	142,958	13,360	6,357	701	21,077	20,398,863
	65–74 years	21,606	204,639	22,327	10,251	801	34,330	14,246,085
	75–84 years	23,840	223,913	25,830	11,168	729	39,117	6,735,040

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>
	85 years and over	20,485	207,353	22,492	8,898	561	34,556	2,325,693
<b>Females</b>								
	All ages	75,560	851,206	76,717	31,701	3,215	123,418	166,038,755
	Under 1 year	5	4,365	31	0	8	44	1,879,703
	1–4 years	6	791	34	1	16	55	7,798,370
	5–14 years	8	1,192	44	1	28	79	20,100,339
	15–24 years	103	4,829	142	35	25	234	20,994,345
	25–34 years	413	11,354	532	182	74	832	22,487,065
	35–44 years	1,031	18,607	1,141	445	114	1,835	20,690,288
	45–54 years	2,714	37,429	3,038	1,221	234	4,733	21,090,497
	55–64 years	7,132	89,018	8,496	3,423	532	12,666	21,873,773
	65–74 years	13,373	147,156	14,835	6,251	635	22,512	16,246,231
	75–84 years	19,551	206,656	20,343	8,628	736	31,915	8,659,334
	85 years and over	31,224	329,809	28,081	11,514	813	48,513	4,218,810

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 2018 postcensal estimates from the U.S. Census Bureau

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>
Decedent's home	8,820	597,903	11,549	1,743	1,439
Hospice facility	4,485	111,828	7,964	2,021	316
Nursing home/long term care facility	36,078	318,687	21,073	8,626	522
Other	2,778	119,581	2,726	712	98
Place of death unknown	58	1,674	71	20	0

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<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 8/22/2020.\*

Updated August 26, 2020

		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 8/22/2020	U071	161,392	330	1,241	3,228	8,501	20,295	34,334	42,587	50,867
Respiratory diseases		-	-	-	-	-	-	-	-	-
Influenza and pneumonia	J09-J18	68,004	111	564	1,428	3,967	9,438	15,389	18,116	18,989
Chronic lower respiratory diseases	J40-J47	13,780	24	59	139	403	1,486	3,262	4,335	4,071
Adult respiratory distress syndrome	J80	21,899	59	231	612	1,795	3,777	5,757	5,317	4,349
Respiratory failure	J96	54,803	99	401	1,016	2,981	7,208	12,601	15,100	15,394
Respiratory arrest	P00.2	3,282	6	21	64	160	362	667	891	1,111

		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
Other diseases of the respiratory system	J00-J06, J20-J39, J60-J70, J81-J86, J90-J95, J97-J99, U04	5,664	18	45	113	287	708	1,193	1,531	1,769
<b>Circulatory diseases</b>		-	-	-	-	-	-	-	-	-
Hypertensive diseases	I10-I15	35,272	14	98	447	1,529	4,237	7,701	9,679	11,566
Ischemic heart disease	I20-I25	18,103	2	22	90	420	1,656	3,695	5,461	6,755
Cardiac arrest	I46	20,210	46	186	470	1,324	2,923	4,560	5,080	5,620
Cardiac arrhythmia	I44, I45, I47-I49	9,812	9	22	58	221	709	1,748	2,873	4,172
Heart failure	I50	10,562	4	40	82	272	887	1,809	2,913	4,555
Cerebrovascular diseases	I60-I69	7,653	7	23	80	269	871	1,704	2,237	2,461
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	8,743	39	98	209	504	1,129	1,928	2,157	2,679
Sepsis	A40-A41	14,053	31	136	345	1,035	2,404	3,863	3,539	2,700
Malignant neoplasms	C00-C97	7,415	24	31	90	277	1,006	1,932	2,250	1,805
Diabetes	E10-E14	25,936	41	168	585	1,797	4,262	6,956	6,912	5,214
Obesity	E65-E68	5,614	79	272	630	1,017	1,399	1,317	695	205
Alzheimer disease	G30	5,608	0	0	0	2	50	372	1,627	3,557
Vascular and unspecified dementia	F01, F03	18,497	0	0	2	20	283	1,713	5,409	11,070
Renal failure	N17-N19	13,693	14	110	287	909	2,001	3,477	3,597	3,296
Intentional and unintentional injury, poisoning and other adverse events	S00-T98, V01-X59, X60-X84, X85-Y09, Y10-Y36, Y40-Y89, U01-U03	5,133	36	124	176	302	609	1,003	1,220	1,661
All other conditions and causes (residual)	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	77,990	251	700	1,552	4,195	10,497	18,134	20,356	22,296

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.

submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 6 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.

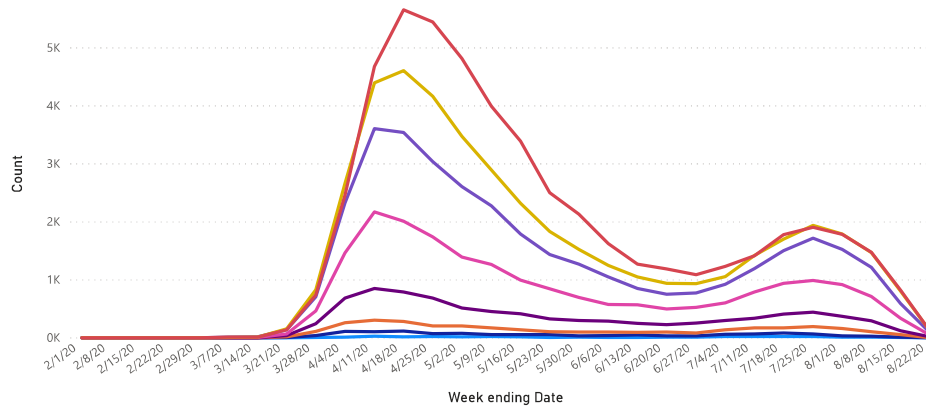
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## Provisional Death Counts for Coronavirus Disease (COVID-19)

Select Sex: All Sex Select Measure: COVID-19 Deaths Reporting Period: Week ending 2/1/2020 through 8/22/2020

Provisional Death Counts, by Week Ending Date and Age Group

Age Group: 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



**NOTE:** Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of the date of analysis and do not represent all deaths that occurred in that period.

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

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](#).

▼ 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 8/22/2020.\*

Updated August 26, 2020

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	164,280	1,778,821	169,108	72,527	6,640
Healthcare setting, inpatient	105,964	518,617	119,876	57,421	4,017
Healthcare setting, outpatient or emergency room	5,932	105,467	5,723	1,943	237
Healthcare setting, dead on arrival	165	5,064	126	41	11