



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 3, 2021

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of February 3, 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](#).

[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 1/30/2021.*

Updated February 3, 2021

Sex	Age group	All Deaths involving COVID-19 (U07.1) ¹	Deaths from All Causes	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0–J18.9) ²	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0–J18.9) ²	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09–J11) ³	Deaths involving Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) ⁴	Population ⁵
Total								
	All ages	421,378	3,509,397	374,722	199,396	8,808	604,353	328,239,523
	Under 1 year	44	19,044	205	7	21	263	3,783,052
	1–4 years	23	3,470	122	3	59	201	15,793,631
	5–14 years	67	5,623	157	13	75	286	40,994,163
	15–24 years	601	36,171	759	224	81	1,212	42,687,510
	25–34 years	2,677	74,513	2,819	1,206	233	4,506	45,940,321
	35–44 years	7,057	106,497	6,519	3,242	354	10,654	41,659,144
	45–54 years	19,454	195,929	17,478	9,671	764	27,913	40,874,902

55-64 years	49,131	453,824	47,337	25,289	1,622	72,563	42,448,537
65-74 years	89,896	698,926	84,679	46,749	1,883	129,427	31,483,433
75-84 years	117,104	856,102	105,607	57,895	1,911	166,469	15,969,872
85 years and over	135,324	1,059,298	109,040	55,097	1,805	190,859	6,604,958

Males

All ages	228,825	1,834,618	208,471	114,501	4,551	326,632	161,657,324
Under 1 year	30	10,536	121	5	10	156	1,935,117
1-4 years	14	2,001	58	2	38	108	8,074,090
5-14 years	38	3,351	86	10	37	151	20,941,023
15-24 years	362	26,761	457	131	38	722	21,810,359
25-34 years	1,712	52,565	1,715	748	114	2,782	23,359,180
35-44 years	4,664	69,820	4,039	2,148	185	6,715	20,792,080
45-54 years	13,019	123,007	10,860	6,465	446	17,783	20,171,966
55-64 years	31,466	279,477	28,913	16,102	934	45,048	20,499,219
65-74 years	55,160	406,425	51,278	29,064	1,051	78,239	14,699,579
75-84 years	65,636	446,966	60,374	33,795	962	93,030	6,998,223
85 years and over	56,724	413,709	50,570	26,031	736	81,898	2,376,488

Females

All ages	192,545	1,674,673	166,245	84,890	4,257	277,712	166,582,199
Under 1 year	14	8,475	84	2	11	107	1,847,935
1-4 years	9	1,469	64	1	21	93	7,719,541
5-14 years	29	2,272	71	3	38	135	20,053,140
15-24 years	239	9,408	302	93	43	490	20,877,151
25-34 years	965	21,944	1,104	458	119	1,724	22,581,141
35-44	2,393	36,674	2,480	1,094	169	3,939	20,867,064

years							
45-54 years	6,434	72,918	6,617	3,205	318	10,129	20,702,936
55-64 years	17,665	174,339	18,424	9,187	688	27,515	21,949,318
65-74 years	34,734	292,492	33,400	17,684	832	51,186	16,783,854
75-84 years	51,465	409,124	45,230	24,098	949	73,435	8,971,649
85 years and over	78,598	645,558	58,469	29,065	1,069	108,959	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.

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

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

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

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

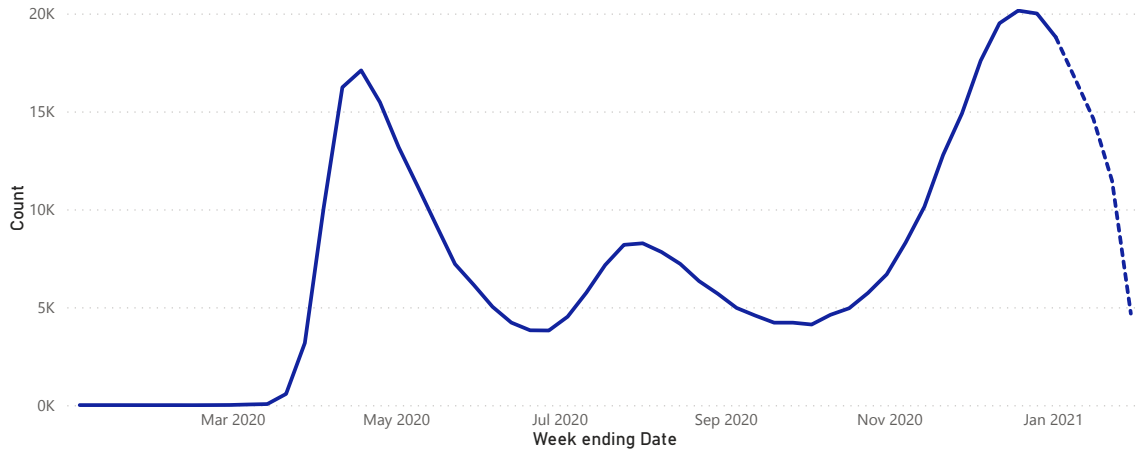
⁵Population is based on 2019 postcensal estimates from the U.S. Census Bureau.

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

Select Sex: Select Measure: Select Age Group: Reporting Period:

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 1/30/2021.*

Updated February 3, 2021

Place of death	All Deaths involving	Deaths from	Deaths involving Pneumonia, with or without COVID-19, excluding	Deaths involving COVID-19 and Pneumonia,	All Deaths involving Influenza, with or without COVID-19 or
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	COVID-19 (U07.1) ¹	All Causes	Influenza deaths (J12.0–J18.9) ²	excluding Influenza (U07.1 and J12.0–J18.9) ²	Pneumonia (J09–J11) ³
Total	421,378	3,509,397	374,722	199,396	8,808
Healthcare setting, inpatient	268,953	1,067,282	274,252	159,686	5,553
Healthcare setting, outpatient or emergency room	13,849	208,478	11,407	4,550	374
Healthcare setting, dead on arrival	368	9,837	247	100	17
Decedent's home	26,696	1,166,864	24,904	6,638	1,684
Hospice facility	12,103	211,375	16,687	5,920	408
Nursing home/long term care facility	90,951	608,845	41,223	20,226	636
Other	8,288	233,472	5,897	2,227	133
Place of death unknown	170	3,244	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.

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

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

³Counts 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 1/30/2021.***

Updated February 3, 2021

	Number of Conditions

		Age Group								
Conditions Contributing to Deaths where COVID-19 was listed on the death certificate ¹	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 ² , as of 1/30/2021	U071	394,432	709	2,526	6,670	18,315	46,076	84,047	109,449	126,632
Respiratory diseases		-	-	-	-	-	-	-	-	-
Influenza and pneumonia	J09-J18	176,396	245	1,148	3,070	9,180	23,094	41,112	50,115	48,427
Chronic lower respiratory diseases	J40-J47	35,923	39	117	264	853	3,455	8,620	11,979	10,595
Adult respiratory distress syndrome	J80	42,829	111	425	1,151	3,372	7,671	11,805	10,842	7,450
Respiratory failure	J96	145,721	206	827	2,259	6,961	18,115	34,288	42,807	40,255
Respiratory arrest	R09.2	8,268	14	51	126	347	884	1,640	2,273	2,933
Other diseases of the respiratory system	J00-J06, J20-J39, J60-J70, J81-J86, J90-J95, J97-J99, U04	15,087	40	122	304	774	2,011	3,508	4,216	4,112
Circulatory diseases		-	-	-	-	-	-	-	-	-
Hypertensive diseases	I10-I15	79,034	27	216	939	3,089	8,889	17,033	22,233	26,607
Ischemic heart disease	I20-I25	44,984	7	55	210	993	3,813	9,287	14,136	16,482
Cardiac arrest	I46	44,871	89	367	973	2,805	6,412	10,493	11,807	11,924
Cardiac arrhythmia	I44, I45, I47-I49	27,946	17	51	148	556	1,870	4,933	8,639	11,732
Heart failure	I50	28,935	11	60	189	633	2,119	4,869	8,287	12,767
Cerebrovascular diseases	I60-I69	19,479	19	57	182	647	2,039	4,174	5,705	6,655
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	24,550	85	217	503	1,224	2,949	5,366	6,680	7,526
Sepsis	A40-A41	35,513	72	279	775	2,387	5,844	9,959	9,575	6,622
Malignant neoplasms	C00-C97	19,434	49	72	219	673	2,487	5,102	6,001	4,831
Diabetes	E10-E14	62,181	75	333	1,242	3,810	9,706	16,800	17,475	12,739
Obesity	E65-E68	14,633	148	592	1,298	2,388	3,639	3,834	2,157	577
Alzheimer disease	G30	15,388	0	0	3	11	123	990	4,409	9,852

Vascular and unspecified dementia	F01, F03	42,611	0	1	3	41	549	3,653	12,531	25,833
Renal failure	N17-N19	36,273	41	231	662	1,979	4,968	9,055	10,243	9,092
Intentional and unintentional injury, poisoning and other adverse events	S00-T98, V01-X59, X60-X84, X85-Y09, Y10-Y36, Y40-Y89, U01-U03	14,369	139	318	463	758	1,627	2,752	3,540	4,772
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	212,719	594	1,593	3,746	10,104	26,221	48,616	58,976	62,860

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.

¹Conditions 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.

²Deaths 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 2014-2019](#) 🔄 – Weekly counts of leading causes of death based on final underlying cause mortality data for years 2014-2019.
- [Provisional data for 2020-2021](#) 🔄 – Weekly counts of leading causes of death based on provisional underlying cause mortality data for 2020-2021, 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.