



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: October 14, 2020

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of October 14, 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.

List of Topics

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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 10/10/2020

Updated October 14, 2020

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	203,043	2,203,637	207,687	92,095	6,722	324,356	328,239,523
	Under 1 year	22	12,405	114	3	16	149	3,783,052
	1–4 years	15	2,351	77	2	42	132	15,793,631
	5–14 years	37	3,690	107	7	53	190	40,994,163
	15–24 years	374	23,838	482	134	55	773	42,687,510
	25–34 years	1,588	48,782	1,759	709	151	2,775	45,940,321
	35–44 years	4,119	68,966	3,941	1,829	249	6,450	41,659,144
	45–54 years	10,837	126,245	10,231	5,093	580	16,450	40,874,902
	55–64 years	25,971	288,746	27,351	12,716	1,244	41,631	42,448,537
	65–74 years	43,927	437,155	46,301	21,400	1,458	70,045	31,483,433
	75–84							

years	53,796	532,277	56,738	25,174	1,484	86,635	15,969,872
85 years and over	62,357	659,182	60,586	25,028	1,390	99,126	6,604,958
Males							
All ages	109,838	1,150,340	113,967	52,029	3,465	174,627	161,657,324
Under 1 year	15	6,880	68	2	8	89	1,935,117
1-4 years	7	1,376	38	1	25	69	8,074,090
5-14 years	24	2,194	54	6	24	96	20,941,023
15-24 years	230	17,660	296	83	27	467	21,810,359
25-34 years	1,047	34,488	1,094	457	76	1,751	23,359,180
35-44 years	2,803	45,471	2,486	1,242	133	4,157	20,792,080
45-54 years	7,377	79,416	6,399	3,484	345	10,565	20,171,966
55-64 years	16,809	177,761	16,668	8,174	707	25,861	20,499,219
65-74 years	26,924	253,838	27,849	13,226	813	42,205	14,699,579
75-84 years	29,620	276,606	31,786	14,250	740	47,778	6,998,223
85 years and over	24,982	254,650	27,229	11,104	567	41,589	2,376,488
Females							
All ages	93,198	1,053,209	93,713	40,062	3,256	149,718	166,582,199
Under 1 year	7	5,505	46	1	8	60	1,847,935
1-4 years	8	975	39	1	17	63	7,719,541
5-14 years	13	1,496	53	1	29	94	20,053,140
15-24 years	144	6,176	186	51	28	306	20,877,151
25-34 years	541	14,292	665	252	75	1,024	22,581,141
35-44 years	1,316	23,490	1,455	587	116	2,293	20,867,064
45-54 years	3,458	46,825	3,831	1,608	235	5,883	20,702,936
55-64 years	9,162	110,977	10,682	4,542	536	15,768	21,949,318

65-74 years	17,002	183,307	18,451	8,173	645	27,839	16,783,854
75-84 years	24,175	255,657	24,950	10,923	744	38,855	8,971,649
85 years and over	37,372	404,509	33,355	13,923	823	57,533	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.

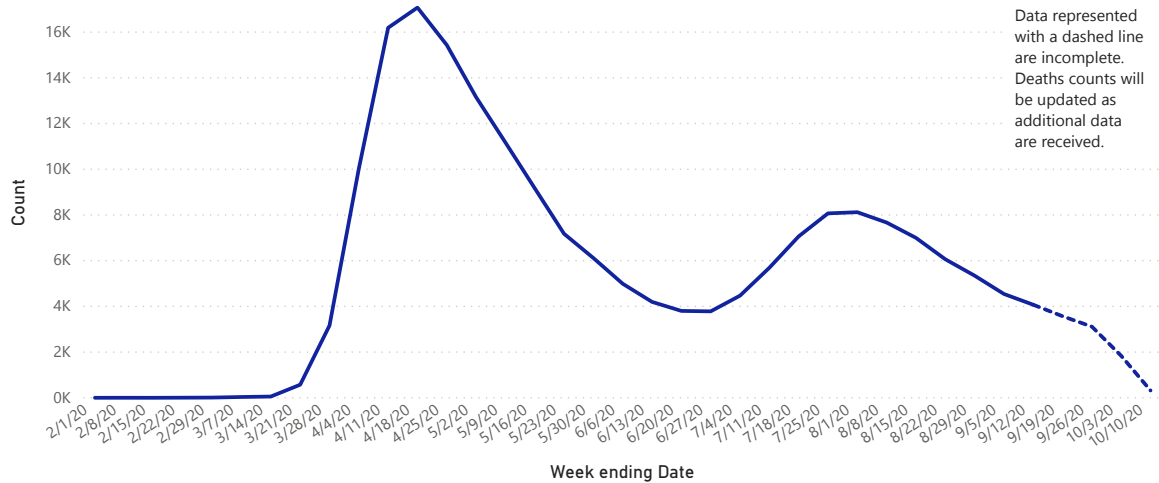
⁴Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

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:

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 Mortality Statistics System, COVID-19 Mortality Statistics

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 10/10/2020.*

Updated October 14, 2020

Place of death	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
Total	203,043	2,203,637	207,687	92,095	6,722
Healthcare setting, inpatient	132,248	644,462	148,589	73,487	4,072
Healthcare setting, outpatient or emergency room	7,065	130,824	6,763	2,304	243
Healthcare setting, dead on arrival	189	6,332	145	48	12
Decedent's home	10,994	746,815	14,151	2,304	1,449
Hospice facility	6,080	137,973	10,003	2,819	318
Nursing home/long term care facility	42,849	384,318	24,594	10,159	529
Other	3,541	150,566	3,376	947	99
Place of death unknown	77	2,347	66	27	0

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

diseases	I60-I69	9,947	7	31	106	372	1,144	2,268	2,883	3,135
Other diseases of the circulatory system	I00-I09, I26-I43, I51, I52, I70-I99	11,494	54	123	270	654	1,515	2,585	2,882	3,411
Sepsis	A40-A41	18,815	45	177	465	1,411	3,301	5,225	4,729	3,462
Malignant neoplasms	C00-C97	9,386	32	44	127	358	1,277	2,461	2,802	2,285
Diabetes	E10-E14	33,100	56	214	760	2,269	5,513	8,970	8,815	6,503
Obesity	E65-E68	7,572	103	358	807	1,323	1,913	1,847	957	264
Alzheimer disease	G30	7,308	0	0	0	2	62	485	2,157	4,602
Vascular and unspecified dementia	F01, F03	22,696	0	0	2	24	348	2,134	6,763	13,425
Renal failure	N17-N19	18,031	23	150	378	1,173	2,770	4,684	4,705	4,146
Intentional and unintentional injury, poisoning and other adverse events	S00-T98, V01-X59, X60-X84, X85-Y09, Y10-Y36, Y40-Y89, U01-U03	6,871	52	199	255	432	829	1,351	1,642	2,111
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	102,277	341	955	2,108	5,644	13,890	24,026	26,830	28,475

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 2014–2018](#)  – 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.

