

National Center for Health Statistics




National Vital Statistics System

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

Daily updates of totals by week and state

Provisional Deaths by Week and by State
Provisional Deaths by Demographic and Geographic Characteristics
Excess Deaths Data Visualization
Technical Notes

Updated: May 11, 2020

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of May 11, 2020. Death counts are delayed and may differ from other published sources (see Technical Notes). Counts will be updated periodically. Additional information will be added to this site as available.

The provisional counts for coronavirus disease (COVID-19) deaths are based on a current flow of mortality data in the National Vital Statistics System. National provisional counts include deaths occurring within the 50 states and the District of Columbia that have been received and coded as of the date specified. It is important to note that it can take several weeks for death records to be submitted to National Center for Health Statistics (NCHS), processed, coded, and tabulated. Therefore, the data shown on this page may be incomplete, and will likely not include all deaths that occurred during a given time period, especially for the more recent time periods. Death counts for earlier weeks are continually revised and may increase or decrease as new and updated death certificate data are received from the states by NCHS. COVID-19 death counts shown here may differ from other published sources, as data currently are lagged by an average of 1–2 weeks.

The provisional data presented on this page include the weekly provisional count of deaths in the United States due to COVID-19, deaths from all causes and percent of expected deaths (i.e., number of deaths received over number of deaths expected based on data from previous years), pneumonia deaths (excluding pneumonia deaths involving influenza), pneumonia deaths involving COVID-19, influenza deaths, and deaths involving pneumonia, influenza, or COVID-19; (a) by week ending date and (b) by specific jurisdictions.

Table 1 has counts of death involving COVID-19 and select causes of death by the week ending date in which the death occurred. For COVID-19 deaths by week ending date at the state level, [Click here to download](#).

▼ **Table 1. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by week ending date, United States. Week ending 2/1/2020 to 5/9/2020.***

Updated May 11, 2020

Week ending date in which the death occurred	COVID-19 Deaths (U07.1) ¹	Deaths from All Causes	Percent of Expected Deaths ²	Pneumonia Deaths (J12.0–J18.9) ³	Deaths with Pneumonia and COVID-19 (J12.0–J18.9 and U07.1) ³	Influenza Deaths (J09–J11) ⁴	Deaths with Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) ⁵
Total Deaths	49,867	808,851	95	74,756	21,974	6,046	107,825
2/1/2020	0	57,448	97	3,700	0	472	4,172
2/8/2020	1	57,782	97	3,688	0	501	4,190
2/15/2020	0	57,096	97	3,712	0	521	4,233
2/22/2020	2	57,068	98	3,577	0	542	4,121
2/29/2020	7	57,286	100	3,666	5	623	4,291
3/7/2020	29	56,910	98	3,769	16	597	4,378
3/14/2020	50	54,959	96	3,731	25	591	4,346
3/21/2020	507	55,073	97	4,233	231	504	5,007
3/28/2020	2,786	58,522	105	5,740	1,265	416	7,629
4/4/2020	8,498	66,223	118	9,047	4,068	442	13,701
4/11/2020	13,422	71,028	128	10,658	5,983	445	18,213
4/18/2020	12,890	65,345	121	9,320	5,529	238	16,746
4/25/2020	8,471	52,945	98	6,527	3,568	119	11,468
5/2/2020	2,613	32,669	61	2,726	1,047	32	4,311
5/9/2020	591	8,497	16	662	237	-	1,019

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. The United States population, based on 2018 postcensal estimates from the U.S. Census Bureau, is 327,167,434.

*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, age, and cause of death.

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

²Percent of expected deaths is the number of deaths for all causes for this week in 2020 compared to the average number across the same week in 2017–2019. Previous analyses of 2015–2016 provisional data completeness have found that completeness is lower in the first few weeks following the date of death (<25%), and then increases over time such that data are generally at least 75% complete within 8 weeks of when the death occurred (8).

³Pneumonia death counts exclude pneumonia deaths involving influenza.

⁴Influenza death counts include deaths with pneumonia or COVID-19 also listed as a cause of death.

⁵Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09–J18.9.

▼ Table 2. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by jurisdiction of occurrence, United States. Week ending 2/1/2020 to 5/9/2020.*

Updated May 11, 2020

Jurisdiction of Occurrence	COVID-19 Deaths (U07.1) ¹	Deaths from All Causes	Percent of Expected Deaths ²	Pneumonia Deaths (J12.0–J18.9) ³	Deaths with Pneumonia and COVID-19 (J12.0–J18.9 and U07.1) ³	Influenza Deaths (J09–J11) ⁴	Deaths with Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) ⁵
United States ⁶	49,867	808,851	95	74,756	21,974	6,046	107,825
Alabama	238	13,905	89	887	71	87	1,141
Alaska	-	993	80	49	-	-	57
Arizona	306	17,861	99	1,272	154	106	1,530
Arkansas	51	8,826	93	609	15	71	716
California	1,649	77,037	95	6,743	959	555	7,988
Colorado	712	12,037	102	1,114	408	92	1,505
Connecticut	284	1,875	20	194	73	25	429
Delaware	115	2,477	91	172	45	15	257
District of Columbia	121	1,710	94	242	121	-	248
Florida	1,138	60,161	97	4,437	610	294	5,254
Georgia	739	22,393	89	1,569	324	98	2,082
Hawaii	-	3,116	91	204	-	19	229
Idaho	61	3,916	93	214	18	24	281
Illinois	1,624	32,766	104	3,089	889	173	3,994
Indiana	765	18,647	94	1,785	391	122	2,279
Iowa	137	8,262	91	584	29	82	774
Kansas	112	7,298	92	513	51	86	660
Kentucky	183	11,984	83	1,098	99	91	1,273
Louisiana	1,203	12,934	96	1,085	523	67	1,828
Maine	53	4,254	98	345	14	31	415
Maryland	1,027	15,468	104	1,457	386	115	2,200
Massachusetts	3,215	20,642	115	2,647	1,162	153	4,846
Michigan	2,586	30,513	105	3,205	1,262	229	4,754
Minnesota	309	12,673	97	941	102	114	1,261
Mississippi	251	9,008	97	816	115	51	1,003
Missouri	294	16,767	87	1,088	100	170	1,452

Montana	15	2,707	88	157	-	33	203
Nebraska	21	4,141	82	312	-	27	356
Nevada	193	7,038	92	626	157	37	699
New Hampshire	91	3,599	98	257	27	30	350
New Jersey	6,218	30,270	136	5,107	3,094	110	8,333
New Mexico	97	4,758	86	344	44	27	424
New York ⁷	6,391	36,716	123	6,114	3,246	194	9,437
New York City	13,942	35,782	224	7,463	5,200	912	16,332
North Carolina	22	12,999	46	796	-	152	962
North Dakota	13	1,658	79	151	-	19	179
Ohio	594	30,815	84	1,933	267	239	2,499
Oklahoma	170	10,018	84	902	65	97	1,101
Oregon	101	9,539	88	506	41	61	627
Pennsylvania	2,063	31,829	78	2,597	812	179	4,024
Rhode Island	113	2,549	81	162	33	23	265
South Carolina	196	14,262	98	881	75	94	1,096
South Dakota	21	2,105	86	170	-	21	203
Tennessee	163	20,246	92	1,520	81	120	1,722
Texas	659	55,550	93	4,141	275	319	4,842
Utah	42	5,369	96	305	14	40	373
Vermont	47	1,748	102	115	11	14	165
Virginia	514	19,966	98	1,151	174	105	1,595
Washington	661	15,807	93	1,340	356	100	1,741
West Virginia	23	5,295	78	387	-	57	463
Wisconsin	303	15,299	97	859	40	146	1,266
Wyoming	-	1,263	95	101	-	-	112
Puerto Rico	83	5,874	69	836	42	33	910

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.

*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, age, and cause of death.

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

²Percent of expected deaths is the number of deaths for all causes for this week in 2020 compared to the average number across the same week in 2017-2019.

³Pneumonia death counts exclude pneumonia deaths involving influenza.

⁴Influenza death counts include deaths with pneumonia or COVID-19 also listed as a cause of death.

⁵Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

⁶United States death count includes the 50 states, plus the District of Columbia and New York City.

⁷Excludes New York City.

Understanding the Numbers: Provisional Death Counts and COVID-19

Provisional death counts deliver our most comprehensive picture of lives lost to COVID-19. These estimates 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. 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. Our counts often track 1–2 weeks behind other data for a number of reasons: **Death certificates take time to be completed.** There are many steps involved in completing 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 among jurisdictions. **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 manually, 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 additional 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 jurisdictions.** Some jurisdictions report deaths on a daily basis, while others report deaths weekly or monthly. In addition, 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 \(COVID-19\) Technical Notes](#) page.