

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 7, 2020

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of May 7, 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 5/2/2020.***

Data as of May 7, 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	45,632	780,085	98	71,451	20,196	6,000	102,028
2/1/2020	0	57,439	97	3,699	0	471	4,170
2/8/2020	1	57,760	97	3,686	0	499	4,186
2/15/2020	0	57,065	97	3,708	0	520	4,228
2/22/2020	1	57,028	98	3,573	0	541	4,115
2/29/2020	7	57,236	99	3,662	5	623	4,287
3/7/2020	30	56,815	98	3,765	17	594	4,371
3/14/2020	50	54,851	96	3,726	25	588	4,338
3/21/2020	500	54,939	97	4,226	227	503	4,996
3/28/2020	2,758	58,290	104	5,710	1,257	416	7,579
4/4/2020	8,386	65,768	117	8,969	4,021	441	13,557
4/11/2020	13,134	70,035	126	10,459	5,856	444	17,851
4/18/2020	12,280	63,131	116	8,910	5,237	232	16,014
4/25/2020	7,318	47,684	88	5,735	3,076	108	10,010
5/2/2020	1,167	22,044	35	1,623	475	20	2,326

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 5/2/2020.*

Data as of May 7, 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 ⁵	45,632	780,085	98	71,451	20,196	6,000	102,028
Alabama	217	13,492	92	859	62	85	1,099
Alaska	-	939	80	48	-	-	56
Arizona	294	17,233	102	1,233	147	106	1,486
Arkansas	44	8,437	94	574	13	67	672
California	1,521	74,851	98	6,541	888	555	7,729
Colorado	702	11,775	107	1,096	401	92	1,484
Connecticut	284	1,874	21	194	73	25	429
Delaware	87	2,266	82	149	34	14	216
District of Columbia	101	1,635	96	216	101	-	222
Florida	1,064	58,479	99	4,303	578	291	5,075
Georgia	633	21,544	92	1,486	286	97	1,930
Hawaii	-	3,041	94	199	-	19	224
Idaho	54	3,784	96	208	16	24	270
Illinois	1,585	31,500	106	2,987	867	172	3,874
Indiana	585	17,851	96	1,665	313	122	2,057
Iowa	124	8,025	94	569	27	81	747
Kansas	109	7,123	95	503	50	86	648
Kentucky	164	11,678	86	1,057	91	90	1,220
Louisiana	1,115	12,471	99	1,031	487	66	1,721
Maine	49	4,086	99	334	14	31	400
Maryland	916	14,934	106	1,380	351	113	2,047
Massachusetts	2,794	19,770	116	2,467	1,019	151	4,388
Michigan	2,379	29,532	108	3,072	1,172	224	4,500
Minnesota	259	12,213	99	909	90	114	1,191
Mississippi	233	8,740	99	796	106	51	974
Missouri	246	16,399	90	1,050	84	169	1,381

Montana	-	2,545	89	145	-	32	182
Nebraska	21	4,141	87	312	-	27	355
Nevada	190	6,960	96	617	154	37	690
New Hampshire	78	3,454	99	247	26	29	328
New Jersey	5,991	29,326	140	4,958	2,988	110	8,063
New Mexico	73	4,527	87	321	35	27	386
New York ⁶	5,695	34,813	123	5,706	2,932	193	8,646
New York City	13,123	34,392	228	7,089	4,865	905	15,472
North Carolina	0	12,975	49	788	0	152	940
North Dakota	13	1,658	84	151	-	19	179
Ohio	373	29,022	84	1,740	161	236	2,188
Oklahoma	141	9,636	86	860	51	96	1,043
Oregon	93	9,205	90	487	38	60	602
Pennsylvania	1,917	30,105	78	2,457	751	179	3,799
Rhode Island	81	2,459	83	146	19	23	231
South Carolina	169	13,617	100	836	65	93	1,033
South Dakota	11	2,058	90	161	-	21	190
Tennessee	145	19,697	95	1,470	73	120	1,662
Texas	551	52,885	94	3,928	224	315	4,568
Utah	33	5,206	98	296	13	40	356
Vermont	46	1,657	101	111	11	14	160
Virginia	404	19,196	100	1,078	129	105	1,457
Washington	608	15,576	97	1,300	327	99	1,676
West Virginia	16	5,248	83	384	-	57	454
Wisconsin	274	14,840	101	839	38	146	1,219
Wyoming	-	1,215	98	98	-	-	109
Puerto Rico	80	5,621	70	803	40	30	873

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.