



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 5, 2020

i Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of May 5, 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 5, 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	39,910	751,953	95	67,372	17,683	5,910	94,681
2/1/2020	0	57,403	97	3,697	0	471	4,168
2/8/2020	1	57,669	97	3,677	0	496	4,174
2/15/2020	0	56,950	97	3,699	0	517	4,216
2/22/2020	1	56,917	98	3,566	0	538	4,105
2/29/2020	5	57,062	99	3,646	3	622	4,270
3/7/2020	26	56,453	98	3,737	14	588	4,336
3/14/2020	49	54,152	95	3,687	25	580	4,290
3/21/2020	494	54,209	95	4,177	226	497	4,936
3/28/2020	2,726	57,801	103	5,657	1,243	414	7,506
4/4/2020	8,219	65,140	117	8,839	3,934	436	13,345
4/11/2020	12,628	68,526	124	10,138	5,621	436	17,256
4/18/2020	11,051	59,665	110	8,158	4,690	220	14,573
4/25/2020	4,521	38,764	71	3,999	1,839	87	6,707
5/2/2020	189	11,242	19	695	88	8	799

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 5, 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	39,910	751,953	95	67,372	17,683	5,910	94,681
Alabama	170	12,949	89	812	48	83	1,017
Alaska	-	939	80	48	-	-	56
Arizona	196	16,524	98	1,147	103	106	1,346
Arkansas	32	8,106	91	548	10	67	637
California	1,322	72,622	95	6,273	772	554	7,377
Colorado	597	11,314	100	1,016	351	92	1,349
Connecticut	284	1,682	19	179	73	21	410
Delaware	53	2,194	79	129	24	14	172
District of Columbia	79	1,571	92	192	79	-	198
Florida	986	57,040	97	4,180	539	287	4,910
Georgia	555	20,818	89	1,410	255	94	1,804
Hawaii	-	2,936	91	191	-	19	216
Idaho	51	3,727	94	202	13	24	264
Illinois	1,301	30,354	102	2,785	724	171	3,531
Indiana	584	17,330	90	1,631	312	122	2,023
Iowa	108	7,816	91	559	25	80	722
Kansas	90	6,849	92	471	41	85	605
Kentucky	122	11,239	83	1,008	71	87	1,146
Louisiana	928	11,800	93	926	407	63	1,507
Maine	48	3,979	97	331	13	30	396
Maryland	769	14,449	103	1,312	303	110	1,880
Massachusetts	2,329	18,849	112	2,266	857	150	3,883
Michigan	2,031	28,335	102	2,842	989	222	4,103
Minnesota	236	11,964	97	889	84	113	1,153
Mississippi	200	8,513	97	775	92	51	934
Missouri	200	15,861	88	1,010	72	169	1,307

Montana	-	2,545	89	145	-	32	182
Nebraska	21	4,141	84	312	-	27	355
Nevada	160	6,561	90	565	127	37	635
New Hampshire	61	3,345	97	236	20	29	306
New Jersey	5,109	26,820	129	4,344	2,546	110	7,009
New Mexico	60	4,386	85	310	30	26	366
New York ⁶	5,178	33,671	120	5,396	2,682	191	8,068
New York City	12,178	33,100	220	6,683	4,496	881	14,488
North Carolina	0	11,118	42	669	0	134	803
North Dakota	13	1,658	84	151	-	19	179
Ohio	174	28,437	82	1,619	75	232	1,950
Oklahoma	128	9,305	83	833	48	94	1,005
Oregon	88	8,903	88	473	37	61	585
Pennsylvania	1,388	29,322	76	2,231	553	178	3,242
Rhode Island	66	2,314	78	133	18	23	204
South Carolina	170	13,330	98	826	65	92	1,023
South Dakota	11	2,058	90	161	-	21	190
Tennessee	137	19,180	93	1,437	69	119	1,624
Texas	446	51,028	91	3,774	180	312	4,350
Utah	32	5,064	97	293	12	39	352
Vermont	46	1,657	101	111	11	14	160
Virginia	353	18,620	97	1,038	113	104	1,381
Washington	531	14,829	93	1,209	284	98	1,550
West Virginia	15	5,218	82	380	-	57	450
Wisconsin	247	14,394	98	815	35	146	1,171
Wyoming	-	1,189	95	96	-	-	107
Puerto Rico	69	5,394	72	767	33	29	832

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.

⁵United States death count includes the 50 states, plus the District of Columbia and New York City.

⁶Excludes 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.