

COVID-19 Data from NCHS

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

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Updated: November 23, 2020

Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of November 23, 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 2019 (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.

For the Index of Provisional COVID-19 Mortality Surveillance and Ad-hoc Data Files, [click here](#).

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 deaths involving COVID-19 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 11/21/2020.\*

Week ending date in which the death occurred	All Deaths involving COVID-19 (U07.1) <sup>1</sup>	Deaths from All Causes	Percent of Expected Deaths <sup>2</sup>	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0–J18.9) <sup>3</sup>	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0–J18.9) <sup>3</sup>	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09–J11), includes COVID-19 or Pneumonia <sup>4</sup>	Deaths involving Pneumonia, or COVID-19 (U07.1 or J09–J18.9) <sup>5</sup>
Total Deaths	236,351	2,551,852	111	239,210	107,630	6,818	373,720
2/1/2020	0	58,790	99	3,812	0	480	4,292
2/8/2020	1	59,350	99	3,808	0	521	4,330
2/15/2020	0	58,770	100	3,837	0	560	4,397
2/22/2020	4	58,838	101	3,705	1	566	4,274
2/29/2020	10	59,253	103	3,830	5	656	4,491
3/7/2020	36	59,635	103	3,973	18	634	4,624
3/14/2020	56	58,609	103	3,966	28	626	4,619
3/21/2020	573	59,143	104	4,542	250	558	5,416
3/28/2020	3,170	62,930	113	6,175	1,433	443	8,305
4/4/2020	10,043	72,211	129	9,920	4,763	478	15,443
4/11/2020	16,203	78,966	142	11,998	7,231	473	21,104
4/18/2020	17,088	76,647	142	11,392	7,310	265	21,246
4/25/2020	15,456	73,782	137	10,374	6,605	144	19,272
5/2/2020	13,163	69,199	129	8,943	5,516	65	16,635
5/9/2020	11,183	66,716	127	7,830	4,709	48	14,342
5/16/2020	9,176	64,376	123	6,766	3,776	21	12,184
5/23/2020	7,195	61,514	118	5,889	2,971	24	10,132
5/30/2020	6,129	59,553	115	5,270	2,484	12	8,927
6/6/2020	5,009	58,775	112	4,885	2,141	11	7,764
6/13/2020	4,208	57,903	112	4,531	1,859	11	6,888
6/20/2020	3,817	57,833	112	4,358	1,603	8	6,579
6/27/2020	3,796	58,344	113	4,249	1,548	11	6,507
7/4/2020	4,494	59,657	115	4,545	1,991	5	7,050
7/11/2020	5,734	61,708	120	5,515	2,704	10	8,554
7/18/2020	7,121	62,931	123	6,165	3,439	12	9,856
7/25/2020	8,152	63,986	126	6,720	3,942	10	10,935
8/1/2020	8,223	63,938	126	6,796	4,039	13	10,986
8/8/2020	7,780	63,336	124	6,765	3,954	9	10,597
8/15/2020	7,165	63,122	125	6,461	3,651	5	9,977
8/22/2020	6,263	61,795	123	5,894	3,173	12	8,993
8/29/2020	5,588	59,942	117	5,443	2,831	11	8,206
9/5/2020	4,790	58,480	114	5,034	2,409	9	7,420
9/12/2020	4,368	57,256	111	4,755	2,193	7	6,935
9/19/2020	3,979	56,861	110	4,495	1,920	5	6,559
9/26/2020	4,005	57,698	111	4,662	1,978	3	6,691
10/3/2020	3,910	56,543	108	4,485	1,867	8	6,536
10/10/2020	4,416	57,822	110	4,764	2,173	12	7,016
10/17/2020	4,681	55,931	105	4,753	2,223	16	7,220
10/24/2020	5,254	56,101	104	5,005	2,415	16	7,853
10/31/2020	5,584	54,119	100	5,001	2,583	16	8,015
11/7/2020	5,411	49,349	90	4,678	2,489	17	7,611
11/14/2020	2,754	32,783	59	2,704	1,239	3	4,221
11/21/2020	363	7,357	13	517	166	4	718

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. The United States population, based on 2019 postcensal estimates from the U.S. Census Bureau, is 328,239,523.

\*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.

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

<sup>2</sup>Percent 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).

<sup>3</sup>Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

<sup>4</sup>Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

<sup>5</sup>Deaths 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 11/21/2020.\*

Jurisdiction of Occurrence	All Deaths involving COVID-19 (U07.1) <sup>1</sup>	Deaths from All Causes	Percent of Expected Deaths <sup>2</sup>	Deaths involving Pneumonia, with or without COVID-19, excluding Influenza deaths (J12.0–J18.9) <sup>3</sup>	Deaths involving COVID-19 and Pneumonia, excluding Influenza (U07.1 and J12.0–J18.9 and U07.1) <sup>3</sup>	All Deaths involving Influenza, with or without COVID-19 or Pneumonia (J09–J11) <sup>4</sup>	Deaths involving Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) <sup>5</sup>
United States <sup>6</sup>	236,351	2,551,852	111	239,210	107,630	6,818	373,720
Alabama	4,272	47,760	112	3,770	1,402	103	6,735
Alaska	88	3,571	101	170	48	-	211
Arizona	5,574	59,260	122	6,022	3,132	115	8,571
Arkansas	2,179	28,718	111	2,582	996	82	3,844
California	17,783	239,087	110	23,818	9,948	582	32,233
Colorado	2,456	35,944	112	2,858	1,228	96	4,177
Connecticut	4,565	27,123	106	2,118	989	72	5,765
Delaware	641	8,166	109	570	254	16	971
District of Columbia	816	5,763	115	1,082	772	-	1,131
Florida	17,181	192,670	114	19,681	9,429	342	27,745
Georgia	7,445	77,831	113	6,967	3,548	117	10,977
Hawaii	292	9,556	101	634	139	21	801
Idaho	804	12,699	110	775	315	28	1,281
Illinois	9,781	98,554	114	9,785	4,712	185	15,031
Indiana	4,825	58,170	108	5,473	2,115	133	8,311
Iowa	2,297	26,470	108	2,040	712	86	3,711
Kansas	1,406	22,821	107	1,676	577	90	2,591
Kentucky	1,924	40,474	103	3,702	890	103	4,831
Louisiana	5,467	43,079	116	4,314	2,678	75	7,177
Maine	195	12,308	103	763	49	31	941
Maryland	4,669	46,766	115	4,339	1,733	129	7,381
Massachusetts	8,431	54,957	114	6,031	3,011	168	11,611
Michigan	7,126	86,416	109	7,663	3,432	246	11,591
Minnesota	2,898	39,232	108	2,891	864	123	5,041
Mississippi	3,471	30,141	117	3,652	1,794	57	5,381
Missouri	3,732	55,711	107	3,936	1,401	182	6,441
Montana	513	8,948	107	599	227	34	911
Nebraska	971	14,629	105	1,191	392	28	1,791
Nevada	1,807	23,326	111	2,623	1,367	41	3,101
New Hampshire	490	10,691	106	618	127	31	1,011
New Jersey	14,763	75,613	126	10,715	7,106	122	18,481
New Mexico	1,078	16,136	108	1,298	514	30	1,891
New York <sup>7</sup>	12,224	94,559	116	11,920	5,801	218	18,541
New York City	21,060	69,998	159	11,786	8,074	969	24,901
North Carolina	2,995	62,942	81	4,573	1,215	232	6,581
North Dakota	691	6,292	108	724	327	20	1,101
Ohio	5,955	104,080	104	7,048	2,548	265	10,711
Oklahoma	1,974	33,545	104	3,124	748	118	4,461
Oregon	706	30,346	102	1,405	233	66	1,941
Pennsylvania	9,726	117,291	106	8,675	3,557	257	15,091
Rhode Island	1,202	9,032	106	851	488	25	1,591
South Carolina	3,977	46,265	116	3,947	1,725	103	6,291
South Dakota	606	7,128	106	661	264	28	1,031
Tennessee	3,888	66,665	110	5,945	1,956	143	8,011
Texas	20,816	191,491	116	21,264	10,777	378	31,661
Utah	772	16,966	109	1,068	311	41	1,571
Vermont	63	4,899	104	219	15	16	281
Virginia	3,967	61,603	111	3,880	1,461	119	6,501
Washington	2,245	47,942	103	3,504	1,154	116	4,701
West Virginia	426	16,780	91	1,219	166	60	1,531
Wisconsin	2,974	47,337	109	2,775	854	152	5,041
Wyoming	144	4,101	110	266	55	-	361
Puerto Rico	867	22,786	94	2,959	550	74	3,341

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.

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

<sup>2</sup>Percent 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.

<sup>3</sup>Counts of deaths involving pneumonia include pneumonia deaths that also involve COVID-19 and exclude pneumonia deaths involving influenza.

<sup>4</sup>Counts of deaths involving influenza include deaths with pneumonia or COVID-19 also listed as a cause of death.

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

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

<sup>7</sup>Excludes New York City.

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.

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