

## National Center for Health Statistics

# Daily Updates of Totals by Week and State

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

### Contents

#### **Daily Updates of Totals by Week and State**

[Weekly Updates by Select Demographic and Geographic Characteristics](#)


[Health Disparities: Race and Hispanic Origin](#)

[Excess Deaths Associated with COVID-19](#)

[Index of Available Data Files](#)

[Technical Notes](#)


Updated: September 17, 2020

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of September 17, 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 9/12/2020.\***

**Updated September 17, 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, Influenza, or COVID-19 (U07.1 or J09–J18.9) <sup>5</sup>
Total Deaths	<b>183,500</b>	1,967,840	111	187,359	82,461	6,689	294,092
2/1/2020	<b>0</b>	58,576	99	3,796	0	479	4,275
2/8/2020	<b>1</b>	59,291	99	3,799	0	520	4,320
2/15/2020	<b>0</b>	58,697	100	3,824	0	558	4,382
2/22/2020	<b>5</b>	58,734	101	3,699	1	564	4,267
2/29/2020	<b>9</b>	59,167	103	3,822	5	654	4,480
3/7/2020	<b>35</b>	59,549	103	3,957	17	632	4,606
3/14/2020	<b>53</b>	58,492	102	3,960	28	625	4,609
3/21/2020	<b>571</b>	59,047	104	4,534	252	560	5,406
3/28/2020	<b>3,152</b>	62,878	113	6,167	1,424	442	8,287
4/4/2020	<b>10,010</b>	72,133	129	9,905	4,749	479	15,409
4/11/2020	<b>16,171</b>	78,867	142	11,983	7,222	474	21,066
4/18/2020	<b>17,052</b>	76,534	141	11,378	7,298	266	21,209
4/25/2020	<b>15,414</b>	73,610	137	10,351	6,591	144	19,221
5/2/2020	<b>13,131</b>	69,004	128	8,921	5,503	65	16,594
5/9/2020	<b>11,154</b>	66,565	126	7,818	4,702	47	14,307
5/16/2020	<b>9,150</b>	64,206	122	6,738	3,766	21	12,140
5/23/2020	<b>7,145</b>	61,317	118	5,849	2,949	24	10,064
5/30/2020	<b>6,096</b>	59,357	114	5,242	2,470	12	8,880
6/6/2020	<b>4,975</b>	58,518	112	4,860	2,132	11	7,714
6/13/2020	<b>4,180</b>	57,620	111	4,498	1,851	11	6,835

6/20/2020	<b>3,787</b>	57,485	111	4,328	1,590	7	6,531
6/27/2020	<b>3,749</b>	57,950	113	4,207	1,540	10	6,425
7/4/2020	<b>4,419</b>	59,073	114	4,477	1,959	4	6,938
7/11/2020	<b>5,606</b>	60,770	119	5,417	2,655	9	8,377
7/18/2020	<b>6,949</b>	61,607	121	6,002	3,356	12	9,604
7/25/2020	<b>7,885</b>	62,020	122	6,511	3,824	10	10,577
8/1/2020	<b>7,814</b>	60,931	120	6,454	3,836	13	10,438
8/8/2020	<b>7,265</b>	60,211	117	6,328	3,675	8	9,923
8/15/2020	<b>6,423</b>	58,171	114	5,855	3,287	5	8,993
8/22/2020	<b>5,237</b>	54,456	107	5,092	2,683	8	7,652
8/29/2020	<b>3,947</b>	48,447	94	4,111	2,021	10	6,043
9/5/2020	<b>1,778</b>	36,402	71	2,516	901	4	3,396
9/12/2020	<b>337</b>	18,155	35	960	174	1	1,124

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 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 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 9/12/2020.\***

Updated September 17, 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 (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>	<b>183,500</b>	1,967,840	111	187,359	82,461	6,689	294,092
Alabama	<b>2,960</b>	36,310	110	2,781	964	100	4,872

Alaska	<b>38</b>	2,610	97	119	22	-	141
Arizona	<b>4,837</b>	46,799	125	5,095	2,762	115	7,285
Arkansas	<b>978</b>	21,264	107	1,668	425	77	2,297
California	<b>13,889</b>	185,538	110	19,026	7,792	580	25,701
Colorado	<b>1,911</b>	27,760	113	2,287	985	95	3,303
Connecticut	<b>4,403</b>	21,038	107	1,864	957	73	5,380
Delaware	<b>557</b>	6,313	109	473	217	16	829
District of Columbia	<b>742</b>	4,586	120	955	709	-	997
Florida	<b>12,825</b>	148,846	114	14,792	6,734	330	21,190
Georgia	<b>5,332</b>	58,775	111	5,145	2,450	113	8,138
Hawaii	<b>87</b>	7,264	99	436	40	20	503
Idaho	<b>406</b>	9,343	105	518	150	25	799
Illinois	<b>7,448</b>	76,027	115	7,687	3,653	179	11,658
Indiana	<b>3,374</b>	44,322	107	4,082	1,411	133	6,174
Iowa	<b>1,201</b>	19,663	105	1,381	352	84	2,314
Kansas	<b>597</b>	17,155	104	1,134	249	89	1,571
Kentucky	<b>1,043</b>	30,061	100	2,708	494	100	3,355
Louisiana	<b>4,474</b>	32,965	115	3,459	2,192	74	5,809
Maine	<b>151</b>	9,461	104	605	33	31	754
Maryland	<b>4,128</b>	36,463	117	3,595	1,514	126	6,319
Massachusetts	<b>8,016</b>	44,223	119	5,308	2,857	164	10,623
Michigan	<b>6,089</b>	68,674	113	6,411	2,956	242	9,781
Minnesota	<b>1,867</b>	29,669	107	2,136	525	122	3,599
Mississippi	<b>2,505</b>	23,075	117	2,759	1,284	56	4,033
Missouri	<b>1,708</b>	41,316	102	2,584	588	180	3,884
Montana	<b>106</b>	6,357	98	315	29	34	426
Nebraska	<b>413</b>	10,795	102	792	157	28	1,076
Nevada	<b>1,312</b>	17,875	110	1,982	992	41	2,343
New Hampshire	<b>417</b>	8,246	107	501	114	30	833
New Jersey	<b>14,214</b>	62,696	135	9,911	6,864	121	17,368
New Mexico	<b>761</b>	12,361	107	943	332	29	1,401
New York <sup>7</sup>	<b>11,577</b>	75,548	121	10,462	5,583	211	16,648
New York City	<b>20,688</b>	59,951	178	11,073	7,949	967	23,946
North Carolina	<b>2,275</b>	52,488	88	3,732	872	230	5,363

North Dakota	<b>175</b>	4,417	100	377	65	20	507
Ohio	<b>3,907</b>	78,010	101	5,174	1,660	263	7,683
Oklahoma	<b>938</b>	24,705	100	2,208	359	111	2,892
Oregon	<b>454</b>	23,041	101	1,081	150	65	1,449
Pennsylvania	<b>8,118</b>	89,812	106	6,945	2,899	253	12,413
Rhode Island	<b>1,029</b>	7,046	108	692	396	25	1,350
South Carolina	<b>2,652</b>	35,214	115	2,865	1,125	100	4,490
South Dakota	<b>200</b>	5,089	99	410	88	27	549
Tennessee	<b>1,892</b>	49,772	107	4,021	885	134	5,161
Texas	<b>14,311</b>	143,488	114	15,445	7,238	361	22,866
Utah	<b>431</b>	12,859	108	740	154	40	1,057
Vermont	<b>59</b>	3,733	104	181	14	16	242
Virginia	<b>2,843</b>	46,538	109	2,903	1,014	114	4,844
Washington	<b>1,765</b>	37,404	105	2,762	900	113	3,735
West Virginia	<b>197</b>	12,843	91	915	68	58	1,102
Wisconsin	<b>1,166</b>	35,033	106	1,746	228	150	2,832
Wyoming	<b>34</b>	2,999	106	175	11	-	207
Puerto Rico	<b>439</b>	16,418	89	2,065	260	67	2,308

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 J09-18.9.

<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.

