



## 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*

<a href="#">Provisional Deaths by Week and by State</a>
<a href="#">Provisional Deaths by Demographic and Geographic Characteristics</a>
<a href="#">Excess Deaths Data Visualization</a>
<a href="#">Technical Notes</a>

Updated: May 4, 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 4, 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](#).

▼ **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 4, 2020

Week ending date in which the death occurred	COVID-19 Deaths (U07.1) <sup>1</sup>	Deaths from All Causes	Percent of Expected Deaths <sup>2</sup>	Pneumonia Deaths (J12.0–J18.9) <sup>3</sup>	Deaths with Pneumonia and COVID-19 (J12.0–J18.9 and U07.1) <sup>3</sup>	Influenza Deaths (J09–J11) <sup>4</sup>	Deaths with Pneumonia, Influenza, or COVID-19 U07.1 or J09–J18.9) <sup>5</sup>
Total Deaths	<b>38,576</b>	739,600	93	66,094	17,122	5,886	92,615
2/1/2020	<b>0</b>	57,397	97	3,697	0	471	4,168
2/8/2020	<b>1</b>	57,660	97	3,676	0	496	4,173
2/15/2020	<b>0</b>	56,931	97	3,697	0	517	4,214
2/22/2020	<b>1</b>	56,903	98	3,565	0	537	4,103
2/29/2020	<b>5</b>	57,030	99	3,644	3	621	4,267
3/7/2020	<b>26</b>	56,415	97	3,733	14	587	4,331
3/14/2020	<b>49</b>	54,093	95	3,684	25	579	4,286
3/21/2020	<b>494</b>	54,131	95	4,166	226	497	4,925
3/28/2020	<b>2,725</b>	57,672	103	5,649	1,241	411	7,496
4/4/2020	<b>8,174</b>	64,840	116	8,788	3,904	435	13,278
4/11/2020	<b>12,516</b>	67,802	122	10,035	5,575	436	17,087
4/18/2020	<b>10,748</b>	58,029	106	7,931	4,555	216	14,176
4/25/2020	<b>3,699</b>	34,165	58	3,420	1,514	75	5,626
5/2/2020	<b>138</b>	6,532	9	409	65	8	485

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.

<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>Pneumonia death counts exclude pneumonia deaths involving influenza.

<sup>4</sup>Influenza death counts 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 5/2/2020.\***

Data as of May 4, 2020

Jurisdiction of Occurrence	COVID-19 Deaths (U07.1) <sup>1</sup>	Deaths from All Causes	Percent of Expected Deaths <sup>2</sup>	Pneumonia Deaths (J12.0–J18.9) <sup>3</sup>	Deaths with Pneumonia and COVID-19 (J12.0–J18.9 and U07.1) <sup>3</sup>	Influenza Deaths (J09–J11) <sup>4</sup>
United States <sup>5</sup>	<b>38,576</b>	739,600	93	66,094	17,122	5,886
Alabama	<b>169</b>	12,802	85	795	48	83
Alaska	-	889	76	44	-	-
Arizona	<b>194</b>	15,865	94	1,116	102	105
Arkansas	<b>32</b>	8,106	91	548	10	67
California	<b>1,320</b>	71,827	94	6,211	770	554
Colorado	<b>551</b>	11,074	101	980	328	91
Connecticut	<b>282</b>	1,680	19	179	73	21
Delaware	<b>53</b>	2,194	79	129	24	14
District of Columbia	<b>66</b>	1,525	90	176	66	-
Florida	<b>919</b>	56,071	93	4,091	501	282
Georgia	<b>506</b>	20,431	85	1,371	235	94
Hawaii	-	2,852	89	186	-	19
Idaho	<b>50</b>	3,712	94	202	13	24
Illinois	<b>1,297</b>	29,304	99	2,726	723	171
Indiana	<b>585</b>	17,330	90	1,630	312	122
Iowa	<b>100</b>	7,691	91	550	25	80
Kansas	<b>90</b>	6,781	90	467	41	85
Kentucky	<b>122</b>	11,053	82	995	71	87
Louisiana	<b>928</b>	11,786	93	926	407	63
Maine	<b>44</b>	3,955	97	330	13	30
Maryland	<b>716</b>	14,176	101	1,278	292	110
Massachusetts	<b>2,015</b>	18,060	107	2,108	738	150
Michigan	<b>2,019</b>	27,697	102	2,778	977	221
Minnesota	<b>199</b>	11,645	94	861	69	113
Mississippi	<b>190</b>	8,336	96	762	91	51
Missouri	<b>199</b>	15,678	84	1,005	71	169
Montana	-	2,248	78	132	-	32
Nebraska	<b>21</b>	3,971	84	306	-	27
Nevada	<b>144</b>	6,521	90	551	115	37

New Hampshire	<b>56</b>	3,319	96	230	18	29
New Jersey	<b>5,109</b>	26,820	129	4,344	2,546	110
New Mexico	<b>49</b>	4,313	81	300	23	25
New York <sup>6</sup>	<b>4,941</b>	33,194	118	5,233	2,552	190
New York City	<b>11,786</b>	32,281	215	6,501	4,357	873
North Carolina	<b>0</b>	11,118	42	669	0	134
North Dakota	<b>11</b>	1,580	81	146	-	19
Ohio	<b>172</b>	27,542	79	1,562	74	228
Oklahoma	<b>128</b>	9,301	83	833	48	94
Oregon	<b>82</b>	8,732	85	468	36	61
Pennsylvania	<b>1,385</b>	28,102	73	2,165	552	176
Rhode Island	<b>55</b>	2,246	76	124	13	23
South Carolina	<b>170</b>	13,330	98	826	65	92
South Dakota	<b>11</b>	1,936	85	155	-	21
Tennessee	<b>134</b>	18,997	92	1,416	67	119
Texas	<b>446</b>	51,028	88	3,774	180	312
Utah	<b>32</b>	5,005	96	291	12	39
Vermont	<b>42</b>	1,624	100	108	10	14
Virginia	<b>353</b>	18,620	97	1,038	113	104
Washington	<b>531</b>	14,829	93	1,209	284	98
West Virginia	<b>13</b>	5,049	79	369	-	57
Wisconsin	<b>234</b>	14,197	96	805	34	146
Wyoming	<b>-</b>	1,177	94	95	-	-
Puerto Rico	<b>69</b>	5,260	70	742	33	29

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.

<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>Pneumonia death counts exclude pneumonia deaths involving influenza.

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

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

<sup>6</sup>Excludes 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.