



## National Center for Health Statistics

# Daily Updates of Totals by Week and State

Provisional Death Counts for Coronavirus Disease (COVID-19)

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Updated: May 20, 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 20, 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 5/16/2020.\*

Updated May 20, 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>68,998</b>	907,069	101	87,444	30,317	6,223	131,444
2/1/2020	<b>0</b>	57,573	97	3,711	0	474	4,185
2/8/2020	<b>1</b>	58,207	98	3,713	0	507	4,221
2/15/2020	<b>0</b>	57,536	98	3,745	0	539	4,284
2/22/2020	<b>2</b>	57,585	99	3,607	0	552	4,161
2/29/2020	<b>6</b>	57,893	101	3,722	4	630	4,354
3/7/2020	<b>32</b>	57,514	99	3,806	16	609	4,430
3/14/2020	<b>51</b>	56,198	98	3,805	26	599	4,428
3/21/2020	<b>521</b>	56,421	99	4,333	239	523	5,132
3/28/2020	<b>2,918</b>	59,773	107	5,869	1,321	424	7,841
4/4/2020	<b>8,974</b>	67,819	121	9,299	4,304	447	14,194
4/11/2020	<b>14,536</b>	73,383	132	11,156	6,491	456	19,324
4/18/2020	<b>14,693</b>	69,502	128	10,203	6,325	250	18,640
4/25/2020	<b>11,731</b>	63,149	117	8,459	5,086	135	15,149
5/2/2020	<b>8,771</b>	54,933	102	6,511	3,726	49	11,588
5/9/2020	<b>5,555</b>	42,321	80	4,268	2,309	24	7,534
5/16/2020	<b>1,207</b>	17,262	33	1,237	470	5	1,979

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 5/16/2020.\*

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>	Deaths with Pneumonia, Influenza, or COVID-19 U07.1 or J09–J18.9) <sup>5</sup>
United States <sup>6</sup>	<b>68,998</b>	907,069	101	87,444	30,317	6,223	131,444
Alabama	<b>379</b>	15,531	93	996	108	88	1,354
Alaska	-	1,125	85	54	-	-	64
Arizona	<b>514</b>	19,997	105	1,483	253	109	1,853
Arkansas	<b>70</b>	9,735	97	665	22	74	787
California	<b>2,300</b>	84,662	98	7,558	1,324	560	9,093
Colorado	<b>1,001</b>	13,549	109	1,319	549	93	1,859
Connecticut	<b>672</b>	3,782	38	354	146	51	930
Delaware	<b>185</b>	2,697	93	205	71	15	334
District of Columbia	<b>205</b>	1,945	101	332	205	-	339
Florida	<b>1,606</b>	66,461	100	5,049	849	297	6,097
Georgia	<b>1,080</b>	25,094	94	1,863	499	102	2,546
Hawaii	<b>15</b>	3,466	95	229	-	19	258
Idaho	<b>68</b>	4,290	96	224	22	24	294
Illinois	<b>2,691</b>	36,816	110	3,818	1,431	174	5,249
Indiana	<b>1,212</b>	20,924	100	2,064	555	125	2,844
Iowa	<b>243</b>	9,103	95	651	57	83	920
Kansas	<b>158</b>	8,055	96	569	70	87	744
Kentucky	<b>263</b>	13,423	88	1,232	135	93	1,452
Louisiana	<b>1,634</b>	14,380	100	1,349	728	70	2,320
Maine	<b>69</b>	4,599	99	363	16	31	447
Maryland	<b>1,660</b>	17,597	111	1,770	618	121	2,918
Massachusetts	<b>4,902</b>	23,930	126	3,366	1,792	158	6,626
Michigan	<b>3,541</b>	33,245	108	3,790	1,777	231	5,781
Minnesota	<b>571</b>	14,194	102	1,079	169	117	1,597
Mississippi	<b>374</b>	9,811	99	927	170	51	1,182
Missouri	<b>436</b>	18,893	92	1,228	149	171	1,686
Montana	<b>16</b>	2,965	91	166	-	34	213
Nebraska	<b>63</b>	4,834	90	370	18	28	443

Nevada	<b>275</b>	7,953	97	726	210	38	829
New Hampshire	<b>148</b>	3,963	101	293	45	30	425
New Jersey	<b>8,791</b>	34,456	146	6,422	4,358	115	10,958
New Mexico	<b>178</b>	5,409	92	407	79	27	533
New York <sup>7</sup>	<b>8,010</b>	40,689	128	6,986	4,010	200	11,169
New York City	<b>16,508</b>	39,844	234	8,606	6,320	937	18,926
North Carolina	<b>150</b>	17,402	58	1,118	59	186	1,395
North Dakota	<b>23</b>	1,839	82	167	-	19	200
Ohio	<b>916</b>	34,458	88	2,216	393	242	2,981
Oklahoma	<b>202</b>	10,565	83	970	81	99	1,187
Oregon	<b>131</b>	10,556	91	571	51	61	712
Pennsylvania	<b>3,733</b>	38,340	89	3,425	1,416	183	5,922
Rhode Island	<b>265</b>	2,983	89	244	94	24	439
South Carolina	<b>311</b>	15,760	102	996	117	94	1,284
South Dakota	<b>34</b>	2,354	91	182	13	21	224
Tennessee	<b>233</b>	22,543	96	1,676	98	122	1,933
Texas	<b>955</b>	61,346	96	4,621	404	325	5,495
Utah	<b>66</b>	5,922	100	331	24	40	413
Vermont	<b>51</b>	1,866	102	123	12	14	176
Virginia	<b>878</b>	22,099	102	1,364	300	110	2,050
Washington	<b>761</b>	17,726	98	1,460	406	103	1,914
West Virginia	<b>42</b>	5,661	79	421	10	57	510
Wisconsin	<b>396</b>	16,866	101	942	60	148	1,424
Wyoming	-	1,366	96	104	-	-	115
Puerto Rico	<b>108</b>	6,817	75	960	57	42	1,052

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>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 our 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, 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. Our counts 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 \(COVID-19\) Technical Notes](#) page.

