

**Table 3.8. Number and rates\* of deaths with hepatitis C virus infection listed as a cause of death<sup>†</sup> among residents, by demographic characteristics — United States, 2015–2019**

Characteristics	2015		2016		2017		2018		2019	
	No.	Rate* (95% CI)	No.	Rate* (95% CI)	No.	Rate* (95% CI)	No.	Rate* (95% CI)	No.	Rate* (95% CI)
<b>Total</b>	<b>19,566</b>	<b>4.91 (4.84-4.98)</b>	<b>18,093</b>	<b>4.42 (4.36-4.49)</b>	<b>17,253</b>	<b>4.13 (4.07-4.20)</b>	<b>15,713</b>	<b>3.72 (3.66-3.78)</b>	<b>14,242</b>	<b>3.33 (3.28-3.39)</b>
<b>Age (years)</b>										
0–34	196	0.13 (0.11-0.15)	164	0.11 (0.09-0.13)	180	0.12 (0.10-0.14)	212	0.14 (0.12-0.16)	170	0.11 (0.10-0.13)
35–44	592	1.46 (1.34-1.58)	532	1.31 (1.20-1.43)	507	1.24 (1.13-1.35)	499	1.21 (1.10-1.31)	472	1.13 (1.03-1.24)
45–54	3,659	8.47 (8.20-8.75)	3,026	7.07 (6.82-7.32)	2,556	6.03 (5.80-6.27)	2,040	4.90 (4.69-5.11)	1,676	4.10 (3.90-4.30)
55–64	9,678	23.68 (23.20-24.15)	9,011	21.73 (21.28-22.18)	8,275	19.70 (19.28-20.13)	7,297	17.26 (16.87-17.66)	6,304	14.85 (14.48-15.22)
65–74	4,009	14.55 (14.10-15.00)	4,071	14.22 (13.78-14.66)	4,397	14.81 (14.38-15.25)	4,429	14.52 (14.10-14.95)	4,499	14.29 (13.87-14.71)
≥75	1,431	7.08 (6.71-7.45)	1,288	6.25 (5.91-6.59)	1,329	6.28 (5.94-6.61)	1,235	5.63 (5.32-5.94)	1,117	4.95 (4.66-5.24)
<b>Sex</b>										
Male	14,043	7.27 (7.15-7.40)	12,815	6.48 (6.36-6.59)	12,287	6.12 (6.01-6.23)	11,242	5.53 (5.42-5.63)	10,229	4.96 (4.86-5.05)
Female	5,523	2.71 (2.63-2.78)	5,278	2.54 (2.47-2.61)	4,966	2.32 (2.26-2.39)	4,471	2.09 (2.02-2.15)	4,013	1.83 (1.77-1.89)
<b>Race/ethnicity</b>										
White, non-Hispanic	12,329	4.35 (4.27-4.43)	11,389	3.95 (3.88-4.03)	10,781	3.70 (3.63-3.78)	9,858	3.35 (3.28-3.42)	9,056	3.08 (3.01-3.14)
Black, non-Hispanic	3,602	8.13 (7.86-8.40)	3,360	7.42 (7.16-7.68)	3,262	7.03 (6.79-7.28)	2,978	6.31 (6.08-6.54)	2,646	5.44 (5.23-5.65)
Hispanic	2,737	6.48 (6.23-6.74)	2,510	5.76 (5.53-6.00)	2,399	5.29 (5.08-5.51)	2,190	4.64 (4.44-4.84)	1,865	3.84 (3.66-4.02)
Asian/Pacific Islander	415	2.32 (2.09-2.55)	384	2.03 (1.82-2.24)	368	1.86 (1.67-2.05)	300	1.43 (1.27-1.60)	308	1.43 (1.27-1.59)
American Indian/ Alaska Native	324	11.45 (10.18-12.73)	285	9.80 (8.63-10.97)	299	10.24 (9.04-11.44)	264	9.05 (7.93-10.17)	259	8.63 (7.55-9.72)
<b>HHS Region: Regional Office<sup>‡</sup></b>										
1: Boston	732	3.78 (3.50-4.07)	616	3.10 (2.85-3.35)	602	2.97 (2.72-3.21)	519	2.56 (2.33-2.79)	448	2.15 (1.94-2.36)
2: New York	1,379	3.78 (3.58-3.98)	1,167	3.12 (2.94-3.30)	1,043	2.76 (2.59-2.93)	924	2.48 (2.31-2.64)	780	2.06 (1.91-2.21)
3: Philadelphia	1,675	4.17 (3.96-4.37)	1,478	3.68 (3.48-3.87)	1,441	3.53 (3.35-3.72)	1,253	3.04 (2.87-3.22)	1,185	2.85 (2.68-3.02)
4: Atlanta	3,703	4.53 (4.38-4.68)	3,500	4.18 (4.03-4.32)	3,450	4.03 (3.89-4.16)	3,160	3.60 (3.47-3.72)	2,996	3.36 (3.24-3.49)
5: Chicago	2,182	3.24 (3.11-3.38)	2,064	3.01 (2.88-3.15)	1,846	2.63 (2.51-2.75)	1,762	2.52 (2.40-2.64)	1,611	2.27 (2.15-2.38)
6: Dallas	3,280	7.08 (6.83-7.33)	3,194	6.69 (6.45-6.92)	3,169	6.54 (6.31-6.77)	2,907	5.85 (5.64-6.07)	2,562	5.06 (4.86-5.25)
7: Kansas City	623	3.58 (3.29-3.87)	593	3.31 (3.04-3.59)	589	3.24 (2.97-3.51)	544	3.04 (2.78-3.30)	496	2.67 (2.43-2.92)
8: Denver	634	4.67 (4.30-5.04)	640	4.69 (4.32-5.06)	615	4.38 (4.02-4.73)	636	4.45 (4.09-4.80)	600	4.10 (3.77-4.44)
9: San Francisco	4,053	6.84 (6.63-7.05)	3,668	6.08 (5.88-6.28)	3,330	5.37 (5.19-5.56)	2,928	4.63 (4.46-4.80)	2,564	4.00 (3.84-4.15)
10: Seattle	1,305	7.49 (7.08-7.91)	1,173	6.56 (6.17-6.94)	1,168	6.38 (6.01-6.76)	1,080	5.79 (5.43-6.14)	1,000	5.27 (4.94-5.61)

Source: CDC, National Center for Health Statistics, Multiple Cause of Death 1999–2019 on CDC WONDER Online Database. Data are from the 2015–2019 Multiple Cause of Death files and are based on information from all death certificates filed in the vital records offices of the 50 states and the District of Columbia through the Vital Statistics Cooperative Program. Deaths of nonresidents (e.g., nonresident aliens, nationals living abroad, residents of Puerto Rico, Guam, the Virgin Islands, and other US territories) and fetal deaths are excluded. Numbers are slightly lower than previously reported for 2015–2016 because of NCHS standards that restrict displayed data to US residents. Accessed at <http://wonder.cdc.gov/mcd-icd10.html> on January 11, 2021. CDC WONDER data set documentation and technical methods can be accessed at <https://wonder.cdc.gov/wonder/help/mcd.html>.

\* Rates for race/ethnicity, sex, HHS region, and the overall total are age-adjusted per 100,000 US standard population during 2000 by using the following age group distribution (in years): <1, 1–4, 5–14, 15–24, 25–34, 35–44, 45–54, 55–64, 65–74, 75–84, and ≥85. Missing data are not included. For age-adjusted death rates, the age-specific death rate is rounded to 1 decimal place before proceeding to the next step in the calculation of age-adjusted death rates for NCHS Multiple Cause of Death on CDC WONDER. This rounding step might affect the precision of rates calculated for small numbers of deaths.

<sup>†</sup> Cause of death is defined as 1 of the multiple causes of death and is based on the International Classification of Diseases, 10<sup>th</sup> Rev. (ICD-10) codes B17.1, and B18.2 (hepatitis C).

<sup>‡</sup> US Department of Health and Human Services (HHS) regions were categorized according to the grouping of states and US territories assigned under each of the 10 HHS regional offices (<https://www.hhs.gov/about/agencies/iea/regional-offices/index.html>).

For the purposes of this report, regions with US territories (Regions 2 and 9) contain data from states only.