Table 2.8. Number and rates* of deaths with hepatitis B virus infections listed as a cause of death† 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)
Total	1,707	0.46 (0.44–0.49)	1,690	0.45 (0.43–0.48)	1,727	0.46 (0.44–0.49)	1,649	0.43 (0.41–0.45)	1,662	0.42 (0.40–0.44)
Age (years)										
0–34	30	0.02 (0.01–0.03)	39	0.03 (0.02–0.04)	29	0.02 (0.01–0.03)	32	0.02 (0.01–0.03)	45	0.03 (0.02–0.04)
35–44	118	0.29 (0.24–0.34)	116	0.29 (0.23–0.34)	106	0.26 (0.21–0.31)	122	0.3 (0.24–0.35)	110	0.26 (0.21–0.31)
45–54	330	0.76 (0.68–0.85)	324	0.76 (0.67–0.84)	323	0.76 (0.68–0.85)	283	0.68 (0.60–0.76)	255	0.62 (0.55–0.70)
55–64	610	1.49 (1.37–1.61)	576	1.39 (1.28–1.50)	548	1.3 (1.20–1.41)	520	1.23 (1.12–1.34)	502	1.18 (1.08–1.29)
65–74	382	1.39 (1.25–1.53)	383	1.34 (1.20–1.47)	417	1.4 (1.27–1.54)	422	1.38 (1.25–1.52)	484	1.54 (1.40–1.67)
≥75	236	1.17 (1.02–1.32)	252	1.22 (1.07–1.37)	303	1.43 (1.27–1.59)	270	1.23 (1.08–1.38)	266	1.18 (1.04–1.32)
Sex										
Male	1,270	0.7 (0.66–0.74)	1,231	0.67 (0.64–0.71)	1,275	0.7 (0.66–0.74)	1,191	0.65 (0.61–0.69)	1,248	0.66 (0.62–0.70
Female	437	0.21 (0.19–0.23)	459	0.22 (0.20–0.24)	452	0.23 (0.20–0.25)	458	0.22 (0.20–0.24)	414	0.21 (0.19–0.24)
Race/ethnicity										
White, non-Hispanic	805	0.28 (0.26–0.30)	767	0.29 (0.27–0.31)	776	0.28 (0.26–0.30)	760	0.27 (0.25–0.29)	761	0.28 (0.26–0.30)
Black, non-Hispanic	318	0.75 (0.67–0.84)	315	0.73 (0.65–0.81)	320	0.74 (0.66–0.83)	304	0.7 (0.62–0.79)	291	0.64 (0.56–0.71)
Hispanic	136	0.32 (0.27–0.38)	128	0.3 (0.25–0.36)	109	0.26 (0.21–0.32)	122	0.28 (0.23–0.33)	117	0.27 (0.21–0.32)
Asian/Pacific Islander	419	2.23 (2.01–2.45)	454	2.38 (2.16–2.60)	492	2.45 (2.23–2.67)	439	2.1 (1.90–2.30)	463	2.10 (1.90–2.29)
American Indian/ Alaska Native	13	UR§	16	UR§	17	UR§	6	UR§	20	0.76 (0.46–1.18)
HHS Region: Regional Office¶										
1: Boston	81	0.43 (0.34–0.54)	56	0.28 (0.21–0.37)	60	0.35 (0.27–0.46)	64	0.34 (0.26–0.45)	43	0.22 (0.16–0.30)
2: New York	163	0.48 (0.41–0.56)	177	0.51 (0.43–0.59)	166	0.47 (0.39–0.54)	156	0.44 (0.36–0.51)	147	0.42 (0.35–0.49)
3: Philadelphia	126	0.35 (0.28–0.41)	118	0.32 (0.26–0.38)	128	0.32 (0.27–0.38)	130	0.35 (0.29–0.41)	126	0.32 (0.26–0.38)
4: Atlanta	328	0.43 (0.38–0.48)	345	0.44 (0.39–0.49)	365	0.45 (0.41–0.50)	346	0.45 (0.40–0.50)	348	0.42 (0.38–0.47)
5: Chicago	193	0.32 (0.27–0.36)	181	0.29 (0.25–0.33)	184	0.29 (0.24–0.33)	174	0.28 (0.24–0.33)	173	0.27 (0.23–0.31)
6: Dallas	220	0.5 (0.43–0.56)	230	0.51 (0.44–0.57)	247	0.55 (0.48–0.62)	230	0.47 (0.41–0.53)	230	0.48 (0.42–0.55)
7: Kansas City	44	0.26 (0.19–0.36)	52	0.33 (0.24–0.44)	50	0.29 (0.22–0.39)	65	0.38 (0.29–0.48)	51	0.30 (0.22–0.40)
8: Denver	42	0.35 (0.25–0.47)	35	0.27 (0.19–0.38)	48	0.37 (0.27–0.49)	34	0.25 (0.17–0.35)	47	0.32 (0.23–0.43)
9: San Francisco	416	0.72 (0.65–0.79)	415	0.73 (0.66–0.80)	393	0.69 (0.62–0.76)	369	0.62 (0.56–0.69)	394	0.64 (0.57–0.70)
10: Seattle	94	0.56 (0.45–0.69)	81	0.51 (0.40–0.63)	86	0.52 (0.41–0.64)	81	0.47 (0.37–0.59)	103	0.58 (0.47–0.70)

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 8, 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. 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. Missing data are not included.

¶ 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).

† Cause of death is defined as 1 of the multiple causes of death and is based on the International Classification of Diseases, 10th Rev (ICD-10) codes B16, B17.0, B18.0, B18.1 (hepatitis B).

UR§ Unreliable rate: Rates where death counts were <20 were not displayed because of the instability associated with those rates.

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