

Table 2.8 – Part 1 of 3

Numbers and rates* of deaths with hepatitis B virus infections listed as a cause of death† among residents, by demographic characteristics United States, 2016–2020

Characteristics	2016 No.	2016 Rate* (95% CI)	2017 No.	2017 Rate* (95% CI)	2018 No.	2018 Rate* (95% CI)	2019 No.	2019 Rate* (95% CI)	2020 No.	2020 Rate* (95% CI)
Total	1690	0.45 (0.43 - 0.48)	1727	0.46 (0.44 - 0.49)	1649	0.43 (0.41 - 0.45)	1662	0.42 (0.40 - 0.44)	1752	0.45 (0.42 - 0.47)
Age (years)										
0–34	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)	36	0.02 (0.02 - 0.03)
35–44	116	0.29 (0.23 - 0.34)	106	0.26 (0.21 - 0.31)	122	0.30 (0.24 - 0.35)	110	0.26 (0.21 - 0.31)	109	0.26 (0.21 - 0.31)
45–54	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)	269	0.67 (0.59 - 0.75)
55–64	576	1.39 (1.28 - 1.50)	548	1.30 (1.20 - 1.41)	520	1.23 (1.12 - 1.34)	502	1.18 (1.08 - 1.29)	483	1.14 (1.04 - 1.24)
65–74	383	1.34 (1.20 - 1.47)	417	1.40 (1.27 - 1.54)	422	1.38 (1.25 - 1.52)	484	1.54 (1.40 - 1.67)	495	1.52 (1.39 - 1.65)
≥75	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)	360	1.56 (1.40 - 1.72)
Sex										
Male	1231	0.67 (0.64 - 0.71)	1275	0.70 (0.66 - 0.74)	1191	0.65 (0.61 - 0.69)	1248	0.66 (0.62 - 0.70)	1278	0.66 (0.63 - 0.70)
Female	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)	474	0.22 (0.20 - 0.24)

* 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.

† Cause of death is defined as one 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).

Source: CDC, National Center for Health Statistics, Multiple Cause of Death 1999–2020 on CDC WONDER Online Database. Data are from the 2016–2020 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 2016 because of NCHS standards that restrict displayed data to US residents. Accessed at <http://wonder.cdc.gov/mcd-icd10.html> on January 13, 2022. CDC WONDER data set documentation and technical methods can be accessed at <https://wonder.cdc.gov/wonder/help/mcd.html#>.

Centers for Disease Control and Prevention. Viral Hepatitis Surveillance Report – United States, 2020. <https://www.cdc.gov/hepatitis/statistics/2020surveillance/index.htm>. Published September 2022.



Table 2.8 – Part 2 of 3

Numbers and rates* of deaths with hepatitis B virus infections listed as a cause of death† among residents, by demographic characteristics United States, 2016–2020

Characteristics	2016 No.	2016 Rate* (95% CI)	2017 No.	2017 Rate* (95% CI)	2018 No.	2018 Rate* (95% CI)	2019 No.	2019 Rate* (95% CI)	2020 No.	2020 Rate* (95% CI)
Race/ethnicity										
White, non-Hispanic	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)	745	0.27 (0.25-0.29)
Black, non-Hispanic	315	0.73 (0.65-0.81)	320	0.74 (0.66-0.83)	304	0.70 (0.62-0.79)	291	0.64 (0.56-0.71)	308	0.67 (0.60-0.75)
Hispanic	128	0.30 (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)	132	0.28 (0.23-0.33)
Asian/Pacific Islander, non-Hispanic	454	2.38 (2.16-2.60)	492	2.45 (2.23-2.67)	439	2.10 (1.90-2.30)	463	2.10 (1.90-2.29)	541	2.46 (2.25-2.67)
American Indian/Alaska Native, non-Hispanic	16	UR§	17	UR§	6	UR§	20	0.76 (0.46-1.18)	17	UR§

* 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.

† Cause of death is defined as one 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.

Source: CDC, National Center for Health Statistics, Multiple Cause of Death 1999–2020 on CDC WONDER Online Database. Data are from the 2016–2020 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 2016 because of NCHS standards that restrict displayed data to US residents. Accessed at <http://wonder.cdc.gov/mcd-icd10.html> on January 13, 2022. CDC WONDER data set documentation and technical methods can be accessed at <https://wonder.cdc.gov/wonder/help/mcd.html#>.

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Numbers and rates* of deaths with hepatitis B virus infections listed as a cause of death† among residents, by demographic characteristics United States, 2016–2020

Characteristics	2016 No.	2016 Rate* (95% CI)	2017 No.	2017 Rate* (95% CI)	2018 No.	2018 Rate* (95% CI)	2019 No.	2019 Rate* (95% CI)	2020 No.	2020 Rate* (95% CI)
HHS Region: Regional Office[¶]										
Region 1: Boston	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)	49	0.24 (0.18 - 0.33)
Region 2: New York	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)	154	0.43 (0.36 - 0.50)
Region 3: Philadelphia	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)	135	0.35 (0.29 - 0.41)
Region 4: Atlanta	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)	352	0.43 (0.39 - 0.48)
Region 5: Chicago	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)	212	0.33 (0.29 - 0.38)
Region 6: Dallas	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)	229	0.47 (0.40 - 0.53)
Region 7: Kansas City	52	0.33 (0.24 - 0.44)	50	0.29 (0.22 - 0.39)	65	0.38 (0.29 - 0.48)	51	0.3 (0.22 - 0.40)	51	0.32 (0.23 - 0.42)
Region 8: Denver	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)	54	0.41 (0.31 - 0.54)
Region 9: San Francisco	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)	411	0.66 (0.59 - 0.72)
Region 10: Seattle	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)	105	0.60 (0.48 - 0.72)

* 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.

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¶ US Department of Health and Human Services (HHS) regions (<https://www.hhs.gov/about/agencies/iea/regional-offices/index.html>) were categorized according to the grouping of states and US territories assigned under each of the 10 HHS regional office. For the purposes of this report, regions with US territories (Regions 2 and 9) contain data from states only.

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