

**Data Brief 448. Alcohol-induced Death Rates in the United States, 2019–2020**

**Data table for Figure 1. Age-adjusted rates of alcohol-induced deaths, by sex: United States, 2000–2020**

Year	Overall		Male		Female	
	Number of deaths	Deaths per 100,000	Number of deaths	Deaths per 100,000	Number of deaths	Deaths per 100,000
2000. ....	19,643	7.0	14,993	11.4	4,650	3.2
2001. ....	20,114	7.0	15,149	11.2	4,965	3.3
2002. ....	20,218	6.9	15,272	11.0	4,946	3.3
2003. ....	20,687	7.0	15,630	11.0	5,057	3.3
2004. ....	21,081	7.0	15,906	11.0	5,175	3.3
2005. ....	21,634	7.0	16,238	11.0	5,396	3.4
2006. ....	22,073	7.0	16,472	10.9	5,601	3.4
2007. ....	23,199	7.2	17,428	11.3	5,771	3.5
2008. ....	24,189	7.4	18,152	11.5	6,037	3.6
2009. ....	24,518	7.4	18,088	11.3	6,430	3.8
2010. ....	25,692	7.6	19,038	11.7	6,654	3.9
2011. ....	26,654	7.7	19,492	11.7	7,162	4.1
2012. ....	27,762	8.0	20,418	12.1	7,344	4.2
2013. ....	29,001	8.2	21,361	12.5	7,640	4.3
2014. ....	30,722	8.5	22,389	12.9	8,333	4.6
2015. ....	33,171	9.1	23,996	13.6	9,175	5.0
2016. ....	34,865	9.5	25,221	14.1	9,644	5.2
2017. ....	35,823	9.6	25,911	14.3	9,912	5.3
2018. ....	37,329	9.9	26,820	14.7	10,509	5.6
2019. ....	39,043	10.4	27,921	15.2	11,122	5.9
2020. ....	49,061	13.1	35,002	19.2	14,059	7.5

NOTES: Rates are per 100,000 standard population. Alcohol-induced deaths include *International Classification of Diseases, 10th Revision* underlying cause-of-death codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15. Alcohol-induced causes exclude unintentional injuries, homicides, and other causes of death from conditions either indirectly or partially related to alcohol use, as well as newborn deaths associated with maternal alcohol use.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

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**Data table for Figure 2. Rates of alcohol-induced deaths, by sex and age group: United States, 2020**

Age group (years)	Male		Female	
	Number of deaths	Deaths per 100,000	Number of deaths	Deaths per 100,000
Under 25 . . . . .	136	0.3	49	0.1
25–34 . . . . .	1,860	7.9	885	3.9
35–44 . . . . .	4,586	21.8	2,158	10.2
45–54 . . . . .	7,673	38.5	3,415	16.7
55–64 . . . . .	12,083	59.0	4,596	21.0
65–74 . . . . .	6,586	43.4	2,238	12.9
75–84 . . . . .	1,767	24.5	594	6.4
85 and over . . . . .	308	12.8	123	2.9

NOTES: Crude rates are per 100,000 population. Alcohol-induced deaths include *International Classification of Diseases, 10th Revision* underlying cause-of-death codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15. Alcohol-induced causes exclude unintentional injuries, homicides, and other causes of death from conditions either indirectly or partially related to alcohol use, as well as newborn deaths associated with maternal alcohol use.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

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**Data table for Figure 3. Rates of alcohol-induced deaths for females, by age group: United States, 2019 and 2020**

Age group (years)	2019		2020	
	Number of deaths	Deaths per 100,000	Number of deaths	Deaths per 100,000
Under 25 . . . . .	56	0.1	49	0.1
25–34 . . . . .	650	2.9	885	3.9
35–44 . . . . .	1,497	7.2	2,158	10.2
45–54 . . . . .	2,784	13.4	3,415	16.7
55–64 . . . . .	3,840	17.5	4,596	21.0
65–74 . . . . .	1,709	10.2	2,238	12.9
75–84 . . . . .	477	5.3	594	6.4
85 and over . . . . .	107	2.5	123	2.9

NOTES: Crude rates are per 100,000 population. Alcohol-induced deaths include *International Classification of Diseases, 10th Revision* underlying cause-of-death codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15. Alcohol-induced causes exclude unintentional injuries, homicides, and other causes of death from conditions either indirectly or partially related to alcohol use, as well as newborn deaths associated with maternal alcohol use.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

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**Data table for Figure 4. Rates of alcohol-induced deaths for males, by age group: United States, 2019 and 2020**

Age group (years)	2019		2020	
	Number of deaths	Deaths per 100,000	Number of deaths	Deaths per 100,000
Under 25 . . . . .	110	0.2	136	0.3
25–34 . . . . .	1,268	5.4	1,860	7.9
35–44 . . . . .	3,117	15.0	4,586	21.8
45–54 . . . . .	6,220	30.8	7,673	38.5
55–64 . . . . .	9,974	48.7	12,083	59.0
65–74 . . . . .	5,368	36.5	6,586	43.4
75–84 . . . . .	1,543	22.0	1,767	24.5
85 and over . . . . .	314	13.2	308	12.8

NOTES: Crude rates are per 100,000 population. Alcohol-induced deaths include *International Classification of Diseases, 10th Revision* underlying cause-of-death codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15. Alcohol-induced causes exclude unintentional injuries, homicides, and other causes of death from conditions either indirectly or partially related to alcohol use, as well as newborn deaths associated with maternal alcohol use.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

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Data table for Figure 5. Age-adjusted rates of alcohol-induced deaths, by underlying cause of death: United States, 2019 and 2020

Cause of death	2019		2020	
	Number of deaths	Deaths per 100,000	Number of deaths	Deaths per 100,000
Alcoholic liver disease . . . . .	24,110	6.4	29,505	7.9
Mental and behavioral disorders due to use of alcohol . . . . .	11,265	3.0	15,212	4.0
Accidental poisoning by and exposure to alcohol . . . . .	2,291	0.7	2,665	0.8
Alcoholic cardiomyopathy . . . . .	580	0.2	654	0.2
Alcohol-induced acute pancreatitis . . . . .	388	0.1	565	0.2
All other alcohol-induced causes . . . . .	409	0.1	460	0.1

NOTES: Rates are per 100,000 standard population. Alcohol-induced deaths include *International Classification of Diseases, 10th Revision* (ICD–10) underlying cause-of-death codes E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15. Among alcohol-induced deaths, any ICD–10 underlying cause-of-death codes with 100 or more deaths were reported using the following categories: alcoholic liver disease (K70), mental and behavioral disorders due to use of alcohol (F10), accidental poisoning by and exposure to alcohol (X45), alcoholic cardiomyopathy (I42.6), alcohol-induced acute pancreatitis (K85.2), and all other alcohol-induced causes (E24.4, G31.2, G62.1, G72.1, K29.2, K86.0, R78.0, X65, and Y15). Alcohol-induced causes exclude unintentional injuries, homicides, and other causes of death from conditions either indirectly or partially related to alcohol use, as well as newborn deaths associated with maternal alcohol use.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.