

Alcohol-Related Mortality

The purpose of this chapter is to explore deaths influenced by alcohol use (as per the death certificate) but do not have an underlying cause of alcohol abuse (ICD10 code F10). There are several ICD codes related to alcohol-related mortality, including chronic liver disease, heart disease, unintentional injury, and other codes which are not classified as “alcohol abuse” by the CDC’s classification guidelines. The codes included for this special analysis are from the CDC’s Alcohol Related Disease Impact (ARDI) framework. See Appendix A for full details about methods.

Limiting analysis to only the underlying cause of death does not capture the full extent of impact of alcohol on mortality among Alaska Native people. The inclusion of additional alcohol-related ICD codes in the analysis presented in this chapter provides more information to better understand the long term health and mortality impacts of alcohol use. This understanding is vital to developing public health strategies and interventions to mitigate the impact of excessive alcohol use.

In contrast to the other chapters in this report which rely solely on the underlying cause of death, this special analysis uses both the underlying and contributing causes of death on the death certificate. See Appendix C for a full list of codes included in this analysis.

Main Findings

- During 2014-2018, alcohol use contributed to 721 deaths among Alaska Native people, both sexes combined. This accounted for 13.4% of all deaths among Alaska Native people.
- Unintentional injury was the leading cause of alcohol-related mortality among both sexes combined (194 deaths; or 27.8% of all unintentional injury deaths) and among males (121 deaths; or 27.3% of all male unintentional injury deaths). Unintentional injury was the second leading cause of alcohol-related mortality among Alaska Native females (73 deaths; or 28.7% of all female unintentional injury deaths).
- Chronic liver disease was the leading cause of alcohol-related mortality for Alaska Native females (119 deaths; or 85% of all chronic liver disease/cirrhosis deaths among females). Among Alaska Native males, chronic liver disease/cirrhosis was the fourth leading cause of alcohol-related deaths (55 deaths; or 87.3% of all chronic liver disease/cirrhosis deaths among males).
- Alcohol abuse (ICD10 code F10) was the second most common cause of death among Alaska Native males (78 deaths) within this special analysis framework. It was the third leading cause of alcohol-related mortality among Alaska Native females (48 deaths).

Overview

This chapter provides more detail about alcohol-related mortality rates among Alaska Native people for the five-year period, 2014-2018. Tables 50a-c report the leading causes, rates, and percentages of alcohol-related deaths among Alaska Native people, both sexes combined, females, and males, separately. Figures 192a-193a present this information for Alaska Native people, both sexes combined, Figures 192b-193b present this for females, and Figures 192c-193c for males. Data for these figures are available in Tables 50a-c.

ALCOHOL-RELATED MORTALITY

Table 50a. Leading Causes of Alcohol-Related Mortality by Underlying Cause of Death among Alaska Native People, 2014-2018

Data Source: State of Alaska Department of Health and Social Services, Health Analytics and Vital Records

	Alcohol-Related Deaths	Rate ¹	% Total Deaths	Total Alaska Native Deaths
1 Unintentional Injury	194	33.7	27.8%	698
2 Chronic Liver Disease	174	30.3	85.7%	203
3 Alcohol Abuse	126	21.6	100.0%	126
4 Heart Disease	109	18.7	12.2%	893
5 Cancer	21	3.8	2.1%	979
6 COPD	10	2.2	3.6%	277
7 Suicide	7	1.2	2.3%	302
All Others	95	14.5	9.6%	1,918
All-Cause	721	125.8	13.4%	5,396

¹Age-adjusted rate per 100,000 people, standardized to U.S. 2000 population

ALCOHOL-RELATED MORTALITY

Figure 192a. Leading Causes of Alcohol-Related Mortality by Underlying Cause of Death among Alaska Native People, 2014-2018

Data Source: State of Alaska Department of Health and Social Services, Health Analytics and Vital Records

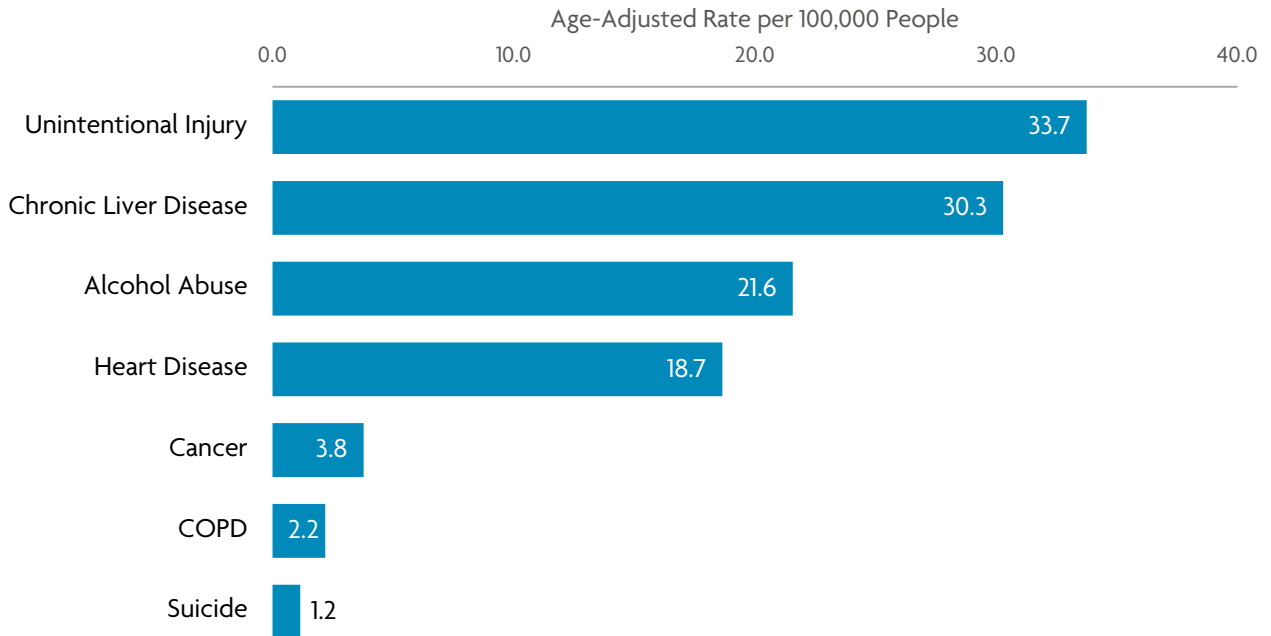
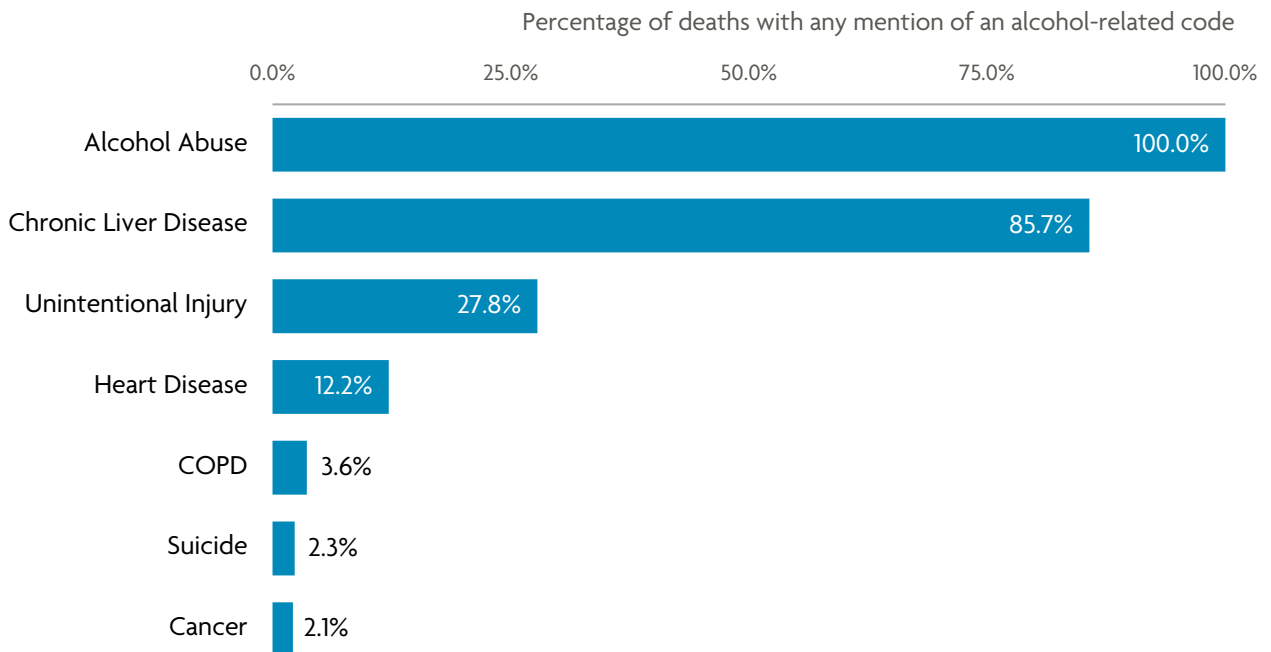


Figure 193a. Leading Causes of Death with any Mention of Alcohol on the Death Certificate, Alaska Native People, 2014 -2018

Data Source: State of Alaska Department of Health and Social Services, Health Analytics and Vital Records



ALCOHOL-RELATED MORTALITY

Table 50b. Leading Causes of Alcohol-Related Mortality by Underlying Cause of Death among Alaska Native Females, 2014-2018

Data Source: State of Alaska Department of Health and Social Services, Health Analytics and Vital Records

	Alcohol-Related Deaths	Rate ¹	% Total Deaths	Total Alaska Native Deaths
1 Chronic Liver Disease	119	40.8	85.0%	140
2 Unintentional Injury	73	25.9	28.7%	254
3 Alcohol Abuse	48	16.1	100.0%	48
4 Heart Disease	37	12.2	10.5%	352
5 Suicide	6	2.0	7.8%	77
All Others	40	13.8	12.4%	1,550
All-Cause	323	110.8	13.3%	2,421

¹Age-adjusted rate per 100,000 people, standardized to U.S. 2000 population

ALCOHOL-RELATED MORTALITY

Figure 192b. Leading Causes of Alcohol-Related Mortality by Underlying Cause of Death among Alaska Native Females, 2014-2018

Data Source: State of Alaska Department of Health and Social Services, Health Analytics and Vital Records

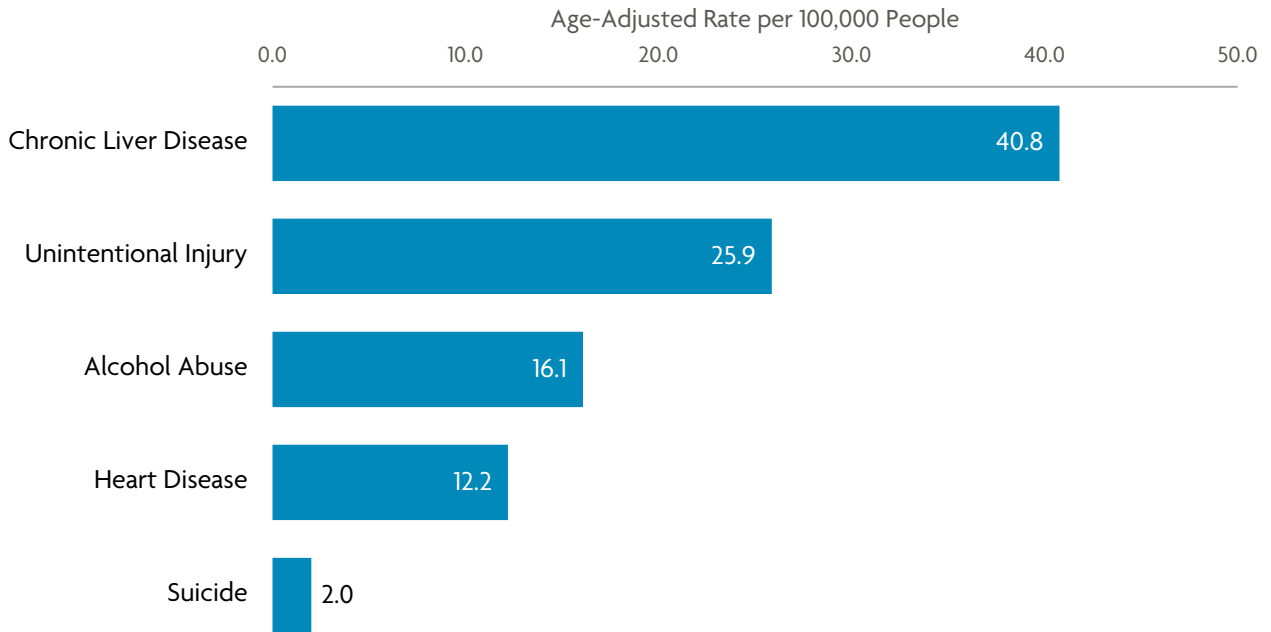
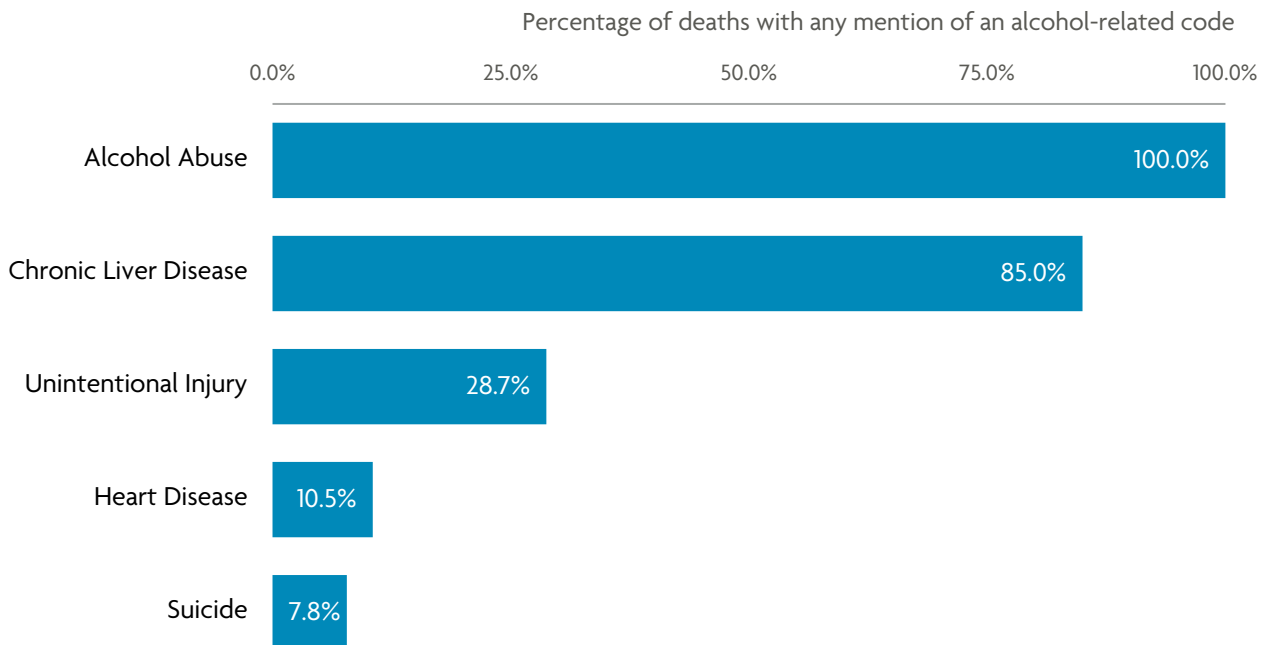


Figure 193b. Leading Causes of Death with any Mention of Alcohol on the Death Certificate, Alaska Native Females, 2014 -2018

Data Source: State of Alaska Department of Health and Social Services, Health Analytics and Vital Records



ALCOHOL-RELATED MORTALITY

Table 50c. Leading Causes of Alcohol-Related Mortality by Underlying Cause of Death among Alaska Native Males, 2014-2018

Data Source: State of Alaska Department of Health and Social Services, Health Analytics and Vital Records

	Alcohol-Related Deaths	Rate ¹	% Total Deaths	Total Alaska Native Deaths
1 Unintentional Injury	121	41.9	27.3%	444
2 Alcohol Abuse	78	27.5	100.0%	78
3 Heart Disease	72	25.2	13.3%	541
4 Chronic Liver Disease	55	19.7	87.3%	63
5 Cancer	17	7.0	3.4%	501
6 COPD	8	4.1	5.4%	148
All Others	55	21.6	13.8%	1,347
All-Cause	398	142.9	13.4%	2,974

¹Age-adjusted rate per 100,000 people, standardized to U.S. 2000 population

ALCOHOL-RELATED MORTALITY

Figure 192c. Leading Causes of Alcohol-Related Mortality by Underlying Cause of Death among Alaska Native Males, 2014-2018

Data Source: State of Alaska Department of Health and Social Services, Health Analytics and Vital Records

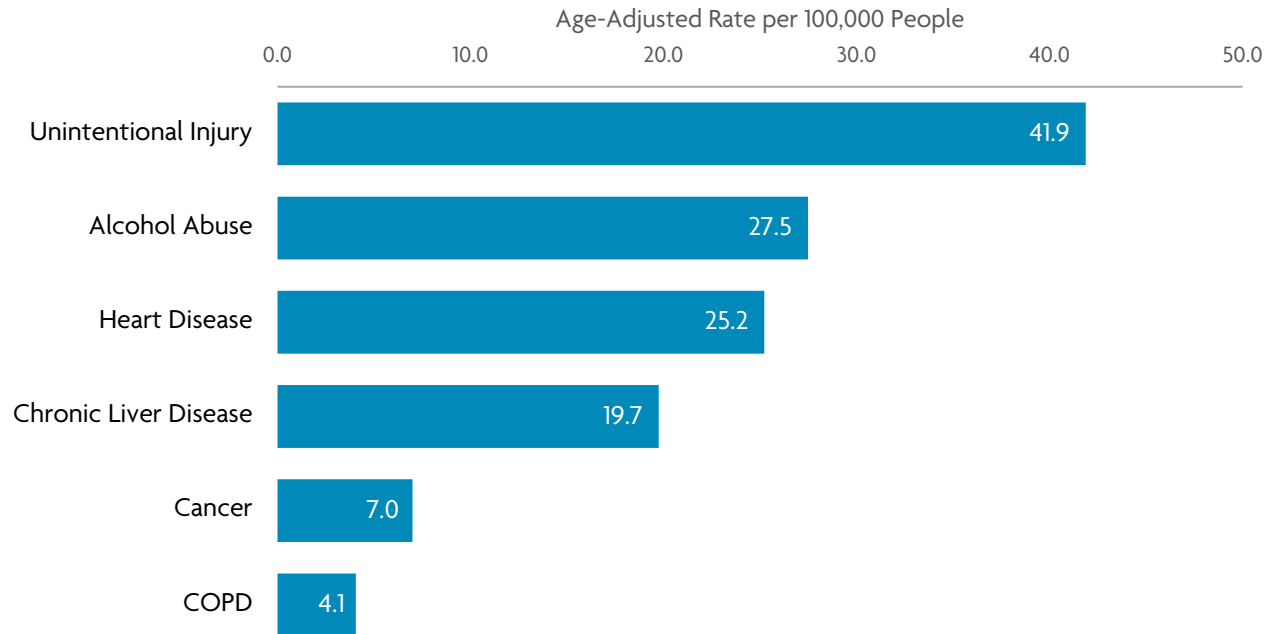


Figure 193c. Leading Causes of Death with any Mention of Alcohol on the Death Certificate, Alaska Native Males, 2014 -2018

Data Source: State of Alaska Department of Health and Social Services, Health Analytics and Vital Records

