

# 1 in 5 Young Adults Dies from Excessive Alcohol Consumption. Alcohol Intake Skyrocketed During Pandemic

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*Deaths attributed to excessive alcohol consumption in the U.S. are trending upward. Between 2015 and 2019, 1 in 5 deaths (20.3%) in the 20- to 49-year age group was related to excessive alcohol intake. The percentage of men dying from excess alcohol consumption (15%) was higher than that of women (9.4%), but both are on the rise*

*Common types of alcohol-related deaths include alcohol poisoning, motor vehicle accidents, suicides, falls and alcohol-related liver disease or pancreas failure*

*Other data from the U.S. Centers for Disease Control and Prevention suggest the rate of deaths directly attributed to alcohol rose by more than 25% in 2020, the first year of the pandemic, when many were self-isolating and working from home. The trend continued into 2021, by then up 34% from prepandemic levels*

*Researchers have established a clear link between isolation, loneliness and alcohol abuse and addiction so, clearly, health officials did not have public health in mind when they declared liquor stores to be an "essential business" during the pandemic, while churches, gyms and even parks and beaches were shut down*

*Two alcoholic drinks per day or less for men and one drink or less for women is considered "moderate" consumption. Binge drinking is defined as having five or more alcoholic drinks on a single occasion for men, or four or more for women. A "drink" is defined as 12 ounces of beer, 5 ounces of wine or 1.5 ounces of hard liquor*

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Recent research<sup>1,2</sup> looking at deaths attributable to excessive alcohol consumption in the

U.S. has found rates are trending upward. Between 2015 and 2019, 1 in 5 deaths (20.3%) in the 20- to 49-year age group was related to excessive alcohol intake.

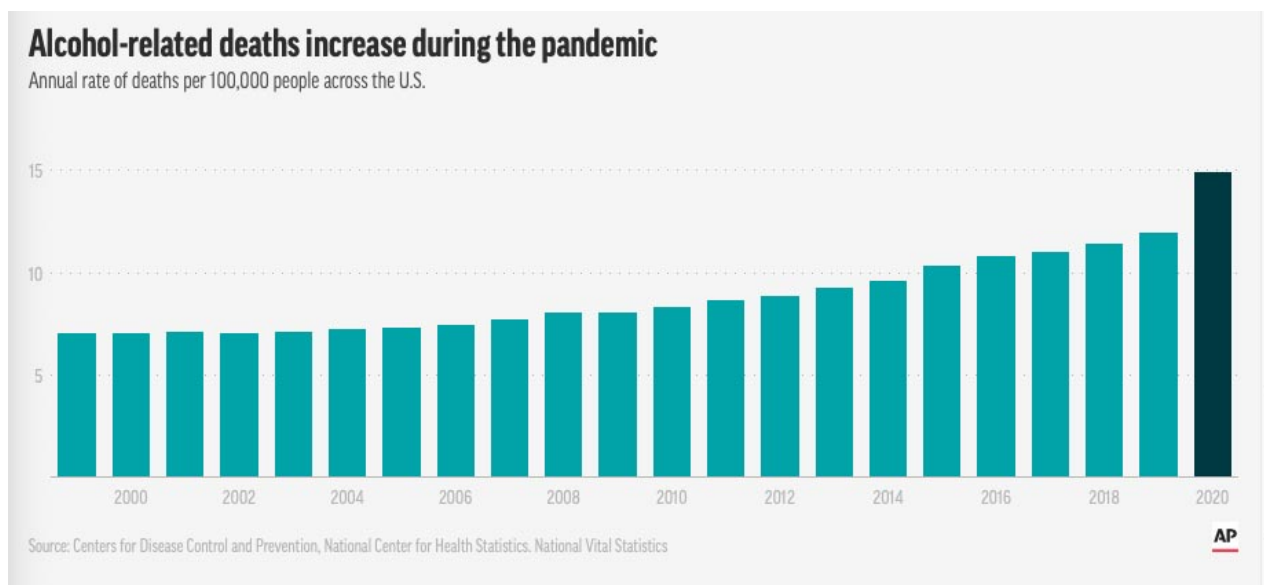
Expanding the age group to 20- to 64-years of age, alcohol related deaths were 1 in 8. This makes alcohol a leading preventable cause of death in the U.S. The percentage of men dying from excess alcohol consumption (15%) was higher than that of women (9.4%), but both are on the rise. Common types of alcohol-related deaths include alcohol poisoning, motor vehicle accidents, suicides, falls and [alcohol-related liver disease](#) or pancreas failure.

According to the authors:<sup>3</sup>

“The number of premature deaths could be reduced with increased implementation of evidenced-based, population-level alcohol policies, such as increasing alcohol taxes or regulating alcohol outlet density.”

## Alcohol Intake Skyrocketed During Pandemic

Other data from the U.S. Centers for Disease Control and Prevention suggest the rate of deaths directly attributed to alcohol rose by more than 25% in 2020,<sup>4,5</sup> the first year of the pandemic, when many were self-isolating and working from home. The trend continued into 2021, by then up 34% from prepandemic levels.<sup>6</sup>



## Clear Links Between Loneliness and Alcohol Abuse

This should come as no surprise, seeing how researchers have long since established a clear link between isolation, loneliness and alcohol abuse and addiction. As noted in the 1992 scientific review “Loneliness and Alcohol Abuse: A Review of Evidences of an Interplay”:<sup>7</sup>

“A theoretical discussion based on clinical observations can be dated back to the 1950’s ... knowledge is still incomplete, but the review indicates that loneliness may be significant at all stages in the course of alcoholism: as a contributing and maintaining factor in the growth of abuse and as an encumbrance in attempts to give it up.

Concordant reports demonstrate that alcoholics do feel more lonely than members of most other groups do. In advanced abusers, loneliness is obviously connected with a number of negative characteristics and, together with several of those, directly linked

to a poor prognosis.

There are, however, no obvious relations to the external social situation (i.e. network) or amount of drinking. Instead, the feeling of loneliness appears to be more connected with a general negative perception about oneself and one's relations to other people and also with a general dissatisfaction with most things in life ..."

An even earlier study<sup>8</sup> found "feeling of loneliness" was the most important factor influencing the prognosis of advanced alcohol abusers, followed by "a general dissatisfaction with the existing situation, independent of its nature."

As noted by the authors, "To sum up, the lonely abuser showed a recurrent pattern characterized by discontentment and dissatisfaction, in combination with some traces of passivity in essential life-spheres."

Clearly, health officials did not have public health in mind when they declared liquor stores to be an 'essential business' during the pandemic, while churches, gyms and even parks and beaches were shut down.

The American Addiction Centers also stresses that isolation is a barrier to getting and staying sober.<sup>9</sup> It certainly didn't help that liquor stores, of all things, were deemed to be an "essential business" during the pandemic, and were kept open while churches, gyms and even parks and beaches were shut down. Clearly, public health officials did not have public health at the top of their minds when they made these decisions.

## A Brief History of Alcohol

In the video above, podcast host Joe Rogan interviews university scholar and philosophy professor Edward Slingerland, Ph.D., author of "Drunk." Slingerland highlights an important point, which is that, historically, mankind has not been drinking hard liquor.

Traditionally, alcohol was primarily consumed in the form of beer with an alcohol content of 2% to 3%, and wine with an alcohol content of 8% to 10%. As noted by Slingerland, there's a built-in limit to the amount of alcohol you can obtain through fermentation. Fermentation, as you likely know, is the process of yeast turning sugar in the brew into alcohol.

Over the past century or two, alcohol makers have developed hardier yeasts capable of fermentation rates as high as 16%. At present, that's the upper limit for fermentation, as at that point, the alcohol shuts down the activity of the yeast.

Distillation, which is another modern invention, is a way around that. By heating the alcoholic beverage, you can capture the ethanol as a vapor and then turn it back into a liquid, giving you a really concentrated form of alcohol, i.e., distilled liquor or spirits, which can be as high as 90% alcohol by volume (ABV).

As noted by Slingerland, the human body is not equipped to handle that kind of concentration. So, while mankind has been making and consuming alcoholic beverages for many thousands of years, it's only in recent times that alcohol has become a potent toxin that needs to be carefully regulated.

## How Much Is Too Much?

According to experts, two alcoholic drinks per day or less for men and one drink or less for women is considered “moderate” consumption. Binge drinking is defined as having five or more alcoholic drinks on a single occasion for men, or four or more for women. A “drink” is defined as 12 ounces of beer, 5 ounces of wine or 1.5 ounces of hard liquor.

## Excessive Alcohol Intake Is a Primary Driver of Liver Damage

According to researchers, the rise in cirrhosis mortality is entirely driven by excess alcohol consumption by young adults. While, historically, alcohol-related liver cirrhosis has been regarded as a condition that develops after two or three decades of heavy drinking, these newer statistics reveal it doesn’t have to take that long at all, as it’s now occurring in (and killing) 20- and 30-year-olds.

In the 25 to 34 age group, death from alcohol-related liver disease nearly tripled between 1999 and 2016. This increase parallels statistics<sup>10</sup> showing a rise in binge drinking between 2002 and 2012.

It also correlates with the global financial crisis in 2008, after which more people began dying from cirrhosis. Researchers believe financial worries and unemployment may have been significant contributing factors, causing more people to drink more heavily. The good news is that alcohol-related liver cirrhosis can be reversed if caught early enough — and provided you quit drinking.

## Limit Fructose to Protect and Heal Your Liver

While giving up the drink is a prerequisite, you’ll also want to strictly limit or eliminate fructose from your diet, the primary sources of which are sweet beverages like soda and most all processed foods and condiments.

Fructose is metabolized differently in your body than glucose, resulting in the production of toxic byproducts (like uric acid) that are similar to those produced by the metabolism of alcohol, with similarly damaging effects on your liver.

There are clear data linking fructose consumption to causing your body to make fats — a disease process associated with nonalcoholic fatty liver disease (NAFLD) fat accumulation in the liver, which causes insulin resistance and associated diseases, such as Type 2 diabetes, hypertension, cardiovascular disease, cancer and dementia.

One of the best books ever written about the dangers of fructose is “The Sugar Fix” by Dr. Richard Johnson, a professor of medicine at the University of Colorado. A majority of Johnson’s work involves research, which primarily focuses on how fructose relates to obesity, high blood pressure, kidney disease and fatty liver disease.

Another leading expert in this area is Dr. Robert Lustig, professor of pediatric endocrinology at the University of California in San Francisco (USCF). His research shows sugar, in most forms, but fructose in particular, acts as a poison when consumed in excess.

Data suggest the average American consumes 126.4 grams of sugar a day<sup>11</sup> — more than five times the recommended max, and your liver, which processes sugar, simply cannot

handle that kind of load. When you overload your liver in this way, you inevitably end up with chronic metabolic disease. Type 2 diabetes, Lustig has pointed out, is nothing other than insulin resistance in the liver.

As a standard recommendation, I recommend keeping your total fructose consumption below 25 grams per day, but for many, it would actually be wise to limit it to 15 grams or less, as most all processed foods contain hidden fructose.

## Nutraceuticals That Support Liver Health

Aside from cutting out fructose and other forms of sugar, there are also nutritional supplements that can help protect and restore health and function to your liver, such as:

- N-acetylcysteine (NAC) — NAC is a precursor needed for glutathione biosynthesis. In fact, research suggests NAC may be a better alternative for supporting liver health in those with chronic liver diseases than the antioxidant resveratrol.<sup>12</sup> NAC supplementation can also help minimize the damage associated with alcohol consumption when taken prior to alcohol ingestion.<sup>13</sup>
- Folate (vitamin B9) — Increasing your intake of folate can also help protect your liver function. In one study,<sup>14</sup> researchers found levels of folate and vitamin B12 were inversely related to the development of fibrosis (formation of scar tissue).

Studies have also shown folate deficiency can increase your risk for liver cancer.<sup>15,16</sup> In one, which involved hepatitis B-positive patients (who are at higher risk for liver damage), higher folate levels were associated with a 67% lower risk of liver cancer.<sup>17,18</sup>

Your body stores approximately 10 to 30 milligrams of folate at a time, nearly 50% of which is in your liver. Folate is the natural form of vitamin B9 found in foods. Green leafy vegetables, asparagus, broccoli, Brussels sprouts and avocados are excellent options.<sup>19</sup>

- Milk thistle — An herb used for thousands of years to support liver, kidney and gallbladder health, in modern times, it's been used to treat alcoholic liver disease and toxin-induced liver diseases. In your liver, the active ingredient, silymarin, works as an antifibrotic, thereby preventing tissue scarring.

It also blocks toxins by inhibiting the binding of toxins to liver cell membrane receptors. Silymarin also protects your liver and promotes healthy liver function by suppressing cellular inflammation<sup>20</sup> and increasing glutathione, a powerful antioxidant that plays a role in the detoxification of heavy metals and other harmful substances.

## How to Cut Down or Quit Drinking

If you're not addicted but tend to drink more than what's considered "moderate," consider cutting down your consumption, or just quit cold turkey. Drink more water, including between drinks when socializing. If plain water gets old, get a Soda Stream and add some digestive bitters, fresh fruit or herbs.

Other strategies include drinking only on certain days, and keeping it within moderate limits, or mixing weaker cocktails than usual. If you're at a social event and want to limit your

alcohol consumption, keep a nonalcoholic drink in your hand so the offer of another drink doesn't come up. You can also slow down your body's alcohol absorption by eating something at the same time.

## Help for Substance Use Disorders

If you live in the U.S. and need help or support for your alcohol addiction (or if you need support because a family member or friend has an addiction problem), contact the Substance Abuse and Mental Health Services Administration by calling 800-662-HELP (4357).<sup>21</sup>

It's a free, confidential helpline, available in English and Spanish, that's open 24/7, every day of the year. They can offer acute help and provide treatment referrals to local treatment facilities, support groups and community-based organizations for individuals and family members facing mental and/or substance use disorders.

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## Notes

<sup>1</sup> [JAMA Network Open November 1, 2022; 5\(11\): e2239485](#)

<sup>2</sup> [CNN November 2, 2022](#)

<sup>3</sup> [JAMA Network Open November 1, 2022; 5\(11\): e2239485 Conclusions and Relevance](#)

<sup>4, 6</sup> [CDC March 18, 2022](#)

<sup>5</sup> [AP News November 4, 2022](#)

<sup>7</sup> [Soc Sci Med February 1992; 34\(4\): 405-414](#)

<sup>8</sup> [Scand J Soc Med 1987;15\(3\):175-83](#)

<sup>9</sup> [Alcoholrehab.com May 18, 2022](#)

<sup>10</sup> [American Journal of Public Health 2015 Jun;105\(6\):1120-7](#)

<sup>11</sup> [World Population Review, Sugar Consumption in 2022](#)

<sup>12</sup> [World Journal of Gastroenterology, 2010; 16\(15\): 1937](#)

<sup>13</sup> [Indian Journal of Clinical Biochemistry 1994; 9\(64\)](#)

- <sup>14</sup> [Nutrients, 2018;10\(4\):440](#)
- <sup>15</sup> [Cancer, Epidemiology, Biomarkers and Prevention, 2007;16\(6\):1279](#)
- <sup>16, 18</sup> [Nutraingredients, July 19, 2008](#)
- <sup>17</sup> [Cancer Epidemiol Biomarkers Prev June 2007; 16\(6\): 1279-1282](#)
- <sup>19</sup> [The World's Healthiest Foods, Folate](#)
- <sup>20</sup> [Journal of Natural Products, 2015; 78\(8\):1990](#)
- <sup>21</sup> [SAMHSA National Helpline](#)

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