Alcohol Dependence: A Major Health and Socio-Economic Problem

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Abstract

Alcohol dependence is a major health problem worldwide; about 3.3 million net deaths were caused by drinking of alcohol. This paper discusses alcohol dependence as a major health and socio-economic problem. It is a position paper in which the disadvantages of alcohol were elaborately discussed with emphasis on its health and socio-economic consequences. Preventive measures were provided under: school based intervention, community engagement, family intervention, work place intervention and regulation of Alcohol usage. It was therefore concluded that heavy drinking affects not only on the drinkers health, but also his economy, job, social interaction with people and school performance. Hence, it was recommended that alcohol consumption should be reduced to the barest minimum or not consumed at all as all alcohol consumption carries some risk and no level of alcohol is safe to drink for women in pregnancy.

Keywords: Alcohol dependence; Health; Socio-economic problem; Prevention

Introduction

Frequently drinking of much alcohol is harmful to health, this is evident by the health consequences that go along with it. As such, Alcohol has an impact on everybody system. How much alcohol a person drinks, genetic factors, gender, body mass, and general state of health all influence how a person’s health responds to chronic heavy drinking.

Alcohol dependence also called Alcoholism is a continuous problem that makes one craves for alcohol and one has no control over his or her drinking. Alcoholism affects the physical, mental and social health, thereby making drinkers to have problems with family, friends, and where they work. Dependence on alcohol makes one feel that he or she cannot do their daily activities well without consumption of alcohol. If one drinks heavily, the person has the tendency to keep increasing the amount he drinks because tolerance to alcohol will develop [1]. Tolerance can be defined as a physiological response one have to any drug. For example, the higher the consumption of alcohol, the more the consumption one needs to consume to have similar effect.

Dependence on Alcohol is a major health problem worldwide; it affects virtually all age groups without any regard for status or gender. According to CDC [2], there is a mortality rate of about 88,000 people (approximately 62,000 men and 26,000 women) from alcohol-related causes yearly. On the global level, In 2012, there were 3.3 million mortality, were linked to alcohol consumption [3] and WHO [3], the World Health Organization reported that alcohol contributed to more than 200 diseases and injury-related health conditions. In 2012, 5.1 percent of diseases and injury worldwide was linked to alcohol drinking [3]. Also, globally, misuse of Alcohol was ranked fifth as the leading risk factor for premature death and disability in 2010, among people between the ages of 15 and 49, it was ranked first [3]. For the age groups of 20-39 years, 25 percent of the total deaths are linked to alcohol [4].

The aforementioned statistics on Alcoholism is frightening and one will begin to wonder why such preventable disease could be causing so much havoc. In this paper, the authors reviewed the latest literatures on the health and socio-economic problems of Alcohol dependence; with the hope that it will deter people from drinking, its preventive measures were also discussed.

Alcohol dependency

When a person has a dependency on alcohol, they feel continuous cravings for drinking, and may suffer light to severe withdrawal symptoms if they stop. They also feel the need to drink ever-increasing amounts in order to get a ‘buzz’ or get drunk. Even with the realization that drinking is affecting their health or their relationship with others, they will still drink [5]. With the DSM-IV criteria for alcohol dependence, formed by American Psychiatric Association [6], at least three out of seven of the following criteria must have manifested during a 12-month period to affirm that one is Alcohol dependent:

- Tolerance.
- Withdrawal symptoms.
- Usage of Alcohol in larger quantity or for longer periods not expected.
- The urge or futile efforts to reduce the usage of alcohol.
- Larger Time is used getting alcohol or recovering from its side effects.
- Daily activities are given up or reduced because of alcohol use.
- Usage is not stopped even with knowledge of alcohol-related harm which could be physical or psychological.

Signs and symptoms of alcohol dependency

The following According to Drinkaware [1], are some signs to lookout for that may suggest one is becoming dependent on alcohol:

- Being perturbed about where the next drink is coming from and planning ones activities around alcohol.
• The strong urge to drink and it is difficult to stop.
• Waking up because of Alcohol or feeling the need to drink early in the morning.
• Being disturbed, alcohol-related depression and suicidal feelings. All these develop because frequent, much alcohol consumption interferes with neurotransmitters in the brains.
• Problems from withdrawal symptoms e.g., sweating, shaking and weakness, which goes away once one drink alcohol.

Health problems of alcohol dependence

Alcoholism through various studies and researches has been confirmed to cause or be a lead way to different diseases and injuries. Some of the diseases and injuries impacted by alcohol consumption are as follows:

Neuropsychiatric conditions: Alcohol Use Disorders (AUDs) are the most important neuropsychiatric conditions caused by alcohol consumption. According to Samokhvalov et al. [7] Epilepsy is another disease impacted by alcohol, over and above withdrawal-induced seizures. Kessler [8]; Boden et al. [9] opined that Alcohol consumption is associated with many other neuropsychiatric conditions; examples are depression or anxiety disorders.

Gastrointestinal diseases: Liver cirrhosis [7], and pancreatitis (both acute and chronic; [10] are causally linked to alcohol consumption. Higher levels of alcohol consumption create an exponential increase in risk. The impact of alcohol is so important that for both disease categories there are subcategories which are labeled as “alcoholic” or “alcohol-induced” in the ICD.

Cancers: Alcohol consumption has been identified as carcinogenic for the following cancer categories [11] cancer of the mouth, nasopharynx, other pharynx and oropharynx, laryngeal cancer, esophageal cancer, colon and rectum cancer, liver cancer and female breast cancer. In addition, alcohol consumption is likely to cause pancreatic cancer. The higher the consumption, the greater the risk for these cancers, with consumption as low as one drink per day causing significantly increased risk for some cancers, such as female breast cancer [12-14].

Intentional injuries: Alcohol consumption, especially heavy drinking, has been causally linked to suicide and violence [15,16].

Unintentional injuries: Almost all categories of unintentional injuries are impacted by alcohol consumption. The effect is strongly linked to the alcohol concentration in the blood and the resulting effects on psychomotor abilities. Higher levels of alcohol consumption create an exponential increase in risk [17].

Cardiovascular diseases (CVD): The relationship between alcohol consumption and cardiovascular diseases is complex. The beneficial cardio-protective effect of relatively low levels of drinking for ischemic heart disease and ischemic stroke disappears with heavy drinking occasions. Moreover, alcohol consumption has detrimental effects on hypertension, atrial fibrillation and hemorrhagic stroke, regardless of the drinking pattern [18]. Fetal Alcohol Syndrome (FAS) and preterm birth complications: Alcohol consumption by an expectant mother may cause these conditions that are detrimental to the health of a newborn infant [19].

Diabetes mellitus: A dual relationship exists, whereby a low-risk pattern of drinking may be beneficial while heavy drinking is detrimental.

Infectious diseases: Harmful use of alcohol weakens the immune system thus enabling development of pneumonia and tuberculosis. This effect is markedly more pronounced when associated with heavy drinking, and there may be a threshold effect, meaning that disease symptoms manifest mainly if a person drinks above a certain level of heavy drinking [20-24].

Socio-economic problems of alcohol dependence

Alcohol consumption is usually linked with socioeconomic consequences; these socioeconomic consequences are tied up with other people's feelings or thoughts for example, where use of alcohol is prohibited because of religious or cultural reasons, drinking at all will be negatively judged by others. Also in societies and communities where drinking is thoroughly integrated into daily life and it seen as way of socializing, there are limits of acceptable drinking behavior, whether in terms of a specific drinking event or a specific pattern of drinking [9]. When an individual crosses culture-specific boundaries in relation to alcohol consumption, he or she may experience socioeconomic problems such as loss of earnings, unemployment or family problems, stigma and barriers to accessing health care. Alcohol is typically a valued commodity, which means that drinking usually uses resources (money) which would otherwise be available for other purposes. According to (Schmidt et al. [22], De Silva et al. [23]). Where earnings are low, heavy drinking may further impoverish the drinker, the drinker's family, or a whole community, thus increasing health or social harm.

Intoxication, dependence or alcohol withdrawal states can result in poor performance in major social roles-in functioning at work, in parenting, in relationship and friendship roles. Both the drinker and others may be affected by the consequences, such as job or productivity loss, break-up and dysfunction in family life, including domestic violence. This in turn can result in harm to physical or mental health, caused by the role functioning impairment itself, others' reactions to the impairment, or both [22]. The reputational drinking history of an individual, i.e., how the pattern of drinking is interpreted by others, is crucial in social judgments, both those made in the moment and in the longer term.

There is a clear tendency in many cultures to marginalize and socially exclude habitually intoxicated persons and their families, even more so than “dirty or unkempt” persons [25]. One direct path by which marginalization can affect health status is through diminished access to good health care. In several surveys around the world, respondents felt that heavy alcohol users should receive less priority in health care. Often the justification given is the belief that the users' behavior contributed to their own illness [25]. More worryingly, studies on health services show that the care given is likely to be inferior, or the access to health care worsened, if the patient is seen as a run-down drinker or a similarly degraded status [26-29]. Given that access to good health care is expected to affect health status, this is a major concern both at the individual and at the societal level.

Prevention of Alcoholism

Effective Alcohol prevention programs include the following elements:

Interventions from schools

School is an important part of most young people's lives and, as such, school is a strategic place for Alcohol prevention and
intervention efforts. The following are the preventive guidelines to be followed in schools:

- Change the saying that everybody is drinking.
- Impact in youth how to say no to alcohol.
- Adopt new teaching methods such as small-group activities, role plays, and same-age leaders.
- Involvement of parents and other segments of the community.
- Teach topics over the years to reinforce prevention messages.
- As a school administrator, Provision of training and support for teachers and students is important.

Communities engagement

School-based interventions simply cannot address every situation. However, community-based efforts in conjunction with school-based prevention curriculum can help reduce alcohol use among youth hand young adults [30]. Such efforts include limiting alcohol sales to underage, increasing enforcement of underage drinking laws, and changing alcohol policies at community events, as well as increasing public awareness about the problems associated with underage drinking.

Family interventions

Family factors are strong determinants whether a young person will start to use alcohol [31], e.g., lack of a positive parent–child relationship or a family history of alcohol problems both can increase risk. On the other hand, a child who has strong family bonds with his or her parents and who has parents who are actively involved in his or her life often is less likely to engage in underage drinking. Because family influences are so pivotal in shaping adolescent problem behaviors, programs that focus on parenting practices parent–child communication, parent–child bonding, and effective family management-can reduce problem behaviors in children and adolescents. Family-focused interventions can be successful both for general populations and for families with adolescents who exhibit more serious delinquent behaviors [32].

Interventions in the workplace

Because most adults are employed, workplace programs can potentially reach audiences and populations that otherwise would not have access to a prevention program. Workplace prevention programs can help address some of the factors that may accompany abusive drinking. For example, lifestyle campaigns have shown promise in encouraging workers to ease stress, improve nutrition and exercise, and reduce risky behaviors such as drinking, smoking, and drug use. Programs that promote social support and peer referral to substance abuse or other treatment program scan are beneficial. Such campaigns also may include brief interventions that involve personal assessment of an individual's drinking rate sand related problems [33].

Prevention in the military

Military personnel ages 18 to 35 have rates of heavy drinking about 60 percent higher than civilians in those age-groups [34]. Recognizing these problems have led to efforts to reduce the availability of alcohol in communities with service bases. Such approaches include asking for identification checks, making sure alcohol retailers near a base do not serve minors, increasing the number and frequency of Driving Under the Influence (DUI) checks, fostering community-based awareness, and supporting media campaigns to reduce drinking and promote alternative activities that do not include alcohol (e.g., sports).

Policy and laws about alcohol

Public policy often addresses the circumstances surrounding abusive drinking by particular groups. Such policies also can help prevent the adverse consequences of alcohol consumption in wider audiences, and on a larger scale, than any other category of interventions. Changes to laws and policies related to alcohol's availability and the consequences of its use lead to significant gains in public health. Such laws include; raising the minimum legal drinking age to 21; and enacting the zero-tolerance law for driver's younger than 21, who are not permitted to have any alcohol in their systems while driving [35].

Effects of prices on alcohol use and its consequences

Increasing the price of alcoholic beverages (for example, through raising taxes) leads to decreased consumption, both in the general population and in certain high-risk groups, such as heavier drinkers and adolescents and young adults [36]. Price increases can help reduce the risk of adverse consequences of alcohol consumption and abuse, including drinking and driving, alcohol-involved crimes, liver cirrhosis and other alcohol-related mortality, risky sexual behavior and its consequences, and poor school performance among youth.

Additional alcohol policies

Other policy areas offer more tools to address alcohol-related problems in youth and adults, and community-based prevention program soften make these their focus. Such areas include laws and regulations related to the minimum legal drinking age and sales to underage youth; privatization or monopolization of alcohol control systems (production, distribution, or sales); monitoring of alcohol outlet densities; and limits on the hours and days of alcohol sales. Restrictions in these areas make alcohol less available and have been effective in reducing alcohol abuse and related problems, as noted in major policy reviews [37-61].

Conclusion

It was concluded after review that drinking too much alcohol can take a heavy toll, not only on a person's health but also on his or her family relationships, economic, Job, social interaction with people and school performance.

Recommendations

Based on this review, it was recommended that alcohol consumption should be reduced to the barest minimum or not consumed at all as all alcohol consumption carries some risk and no level of alcohol is safe to drink for women in pregnancy.

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