

# EDITORIALS

## Alcohol's evaporating health benefits

Industry lobbying and promotion are rife and unchecked by governments

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Given the harms attributed to alcohol use, it is not surprising that reports<sup>1 2</sup> showing possible mortality benefits for low level users attracted enthusiasm among consumers, the media, and the alcohol industry, along with those who welcomed this as a positive response to accusations that calls for action were based on moral fervour. These apparent benefits are now evaporating, helped along by an important contribution in this week's issue (doi:10.1136/bmj.h384).<sup>3</sup> Through analyses based on the Health Survey for England, particularly designed to identify whether any reductions in mortality risk were greatest in older populations, Knott and colleagues show that if there is any beneficial dose-response relation, it is limited to women aged 65 or more—and even that association is at best modest and likely to be explained by selection bias.<sup>3</sup>

From the early days, headlines such as “a few drinks may help curb heart attacks”<sup>4</sup> promoted messages around alcohol's cardioprotective properties; many doctors felt comfortable advising patients that alcohol consumption could be beneficial and politicians used evidence on possible benefits to justify their failure to act on reducing harms.<sup>5</sup>

Alcohol companies and their organisations assiduously promoted this evidence, both to reassure their customers and to argue against population level policies aimed at reducing the harms.<sup>6</sup> After the Australian alcohol industry organisation Drinkwise was established in 2005, one of its first documents devoted as many pages to outlining the health benefits as it did the harms (available from the author on request). Current alcohol industry websites still include advice such as “Thirty years of robust biomedical, clinical, and epidemiological evidence support a significant inverse relationship between moderate drinking and CVD,”<sup>7</sup> “the regular, moderate consumption of wine promotes short- and long-term cardio-protective effects and may reduce the risk of coronary artery disease, ischaemic stroke and heart failure associated with coronary artery disease,”<sup>8</sup> and “wine is certainly not a risk factor for cardiovascular disease, which accounts for nearly 40% of all deaths in Australia.”<sup>8</sup> Groups closely associated with the industry have actively promoted advice about alcohol's benefits, including conferences focusing primarily on these,<sup>9</sup> and commentary such as “simple dietary measures such as light to moderate alcohol and wine consumption to supplement a healthy exercise and nutrition

routine, or as an adjunct to prescription medicines when appropriate, may be needed to maintain an ageing population.”<sup>9</sup> After the early euphoria, health authorities became much more cautious, not least out of a concern that the benefits were being over-promoted. Heart foundations now emphasise that nobody should be encouraged to drink for the sake of their health.<sup>10 11</sup>

The caution was justified. Research over recent years leads inexorably to the conclusion that for a range of reasons, including confounding and selection bias in the papers generally cited, even low level alcohol consumption is unlikely to protect drinkers from cardiovascular disease.<sup>12-15</sup> A recent mendelian randomisation meta-analysis further concluded that “reductions of alcohol consumption, even for light to moderate drinkers, may be beneficial for cardiovascular health.”<sup>16</sup>

What conclusions should we draw from this emerging evidence, including Knott and colleagues' new study?<sup>3</sup> Firstly, in health as elsewhere, if something looks too good to be true, it should be treated with great caution. Secondly, health professionals should discourage suggestions that even low level alcohol use protects against cardiovascular disease and brings mortality benefits. Thirdly, health advice should come from health authorities, not from the alcohol industry, and, finally, the alcohol industry and its organisations should remove misleading references to health benefits from their information materials.

Governments around the world are unwilling to take on the formidable economic power of the international alcohol industry. They balk at every obstacle on the course—from taxation to legislated curbs on advertising and sponsorship, evidence based warning messages, and strong, well funded education programmes. Instead they prefer to listen to the siren songs of cooperation. Small wonder that the World Health Organization's director general has expressed concern about “efforts by industry to shape the public health policies and strategies that affect their products,” noting that “When industry is involved in policy-making, rest assured that the most effective control measures will be downplayed or left out entirely.”<sup>17</sup>

The recently appointed chief executive of the British Civil Service, John Manzoni, remains a director of SAB Miller,<sup>18</sup> one of the world's largest alcohol companies (and nearly 30% owned by the Altria-Philip Morris tobacco group, which has three

nominees on the board<sup>19</sup>). The SAB Miller Talkingalcohol.com website advice on “alcohol and health” typifies approaches by the industry, in offering information about possible health benefits ahead of any discussion of harms—which are then portrayed in generalised terms that play down the role of alcohol or the company’s own responsibilities. Indeed, the same website promotes further health rationale for use of the product—“Since beer is made from wholesome raw materials, such as cereal grains (e.g., barley, wheat and sorghum), hops, yeast and water, it is a source of natural protein, antioxidants, is plentiful in B vitamins, and minerals (such as silicon, calcium, potassium and magnesium), and is a source of soluble fibre.”<sup>20</sup> What hope is there for determined action when leaders of companies providing this kind of advice are at the very heart of government, and there are several parliamentary all party groups championing the interests of the alcohol industry?<sup>21</sup>

Reducing the massive health and social harms caused by alcohol will not prevent sensible use and enjoyment of alcohol. Globally, more than three million deaths each year are attributable to alcohol.<sup>22</sup> The real mortality benefits will come from determined action at the political level, not outdated advice and wishful thinking.

Competing interests: I have read and understood the BMJ policy on declaration of interests and declare the following interests: none.

Provenance and peer review: Commissioned; not externally peer reviewed.

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Cite this as: *BMJ* 2015;350:h407

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