Preventing Harmful Alcohol Use

Alcohol can be a source of enjoyment and is an important part of the economy in many countries. Yet harmful alcohol use is a leading risk factor for premature death, injuries and many non-communicable diseases. Harmful alcohol use can also affect others, for example in the case of violence and foetal alcohol syndrome. These diseases and injuries, in turn, have an impact on healthcare budgets and the productivity of the labour force.

People in Denmark consume on average 10.3 litres of pure alcohol per capita per year, roughly equivalent to 2 bottles of wine or 4 litres of beer per week per person aged 15 and over. In addition, in Denmark, some population groups are at higher risk than others; specifically:

30% of adults engage in binge drinking at least once a month. This corresponds to drinking more than 80% of a bottle of wine or 1.5 litres of beer per occasion.

Women are 2% less likely to binge drink monthly if they have completed higher education.

Men consume 15.8 litres of pure alcohol per capita per year while women consume 4.9 litres per capita per year.

37% of girls and 47% of boys aged 15 have been drunk at least once in their life. Children who never experienced drunkenness are 7% more likely to perform well at school.

Life expectancy is 1.1 years lower over the next 30 years due to disease and injuries caused by drinking more than 1 drink per day for women and 1½ drinks per day for men, on average in the whole population, according to OECD simulations.

Based on current consumption patterns in Denmark, OECD simulations estimate that diseases and injuries caused by drinking above 1-1½ drinks per day lead to treatment costs equal to 3.9% of health expenditure and a reduction in the workforce productivity. Consequently, Denmark’s GDP is estimated to be 1.6% lower on average between now and 2050, excluding any impact on the alcohol industry. Due to a lower GDP, and to maintain a constant public debt-to-GDP ratio, Denmark has to raise additional revenues equivalent to an increase in tax of DKK 2 620 per person per year.
OECD analysis of WHO data reflects the implementation status across policy areas within the WHO’s Global Strategy to Reduce the Harmful Use of Alcohol.

Denmark has overall a good level of policy implementation, but there are opportunities for further action. Policy priorities could include:

- Improving alcohol prevention and reduction activities in schools and workplaces
- Strengthening restriction on availability of alcohol to vulnerable and high-risk groups, for instance by time or place;
- Training servers on how to prevent, identify and manage intoxicated drinkers, and using health warning label on alcohol containers

1-lower level of implementation, 4-higher level. Countries with a maximum score can still enhance policy implementation and enforcement.

OECD analyses looked at enhanced policy package to tackle harmful alcohol use. The package contains many of the policy priorities for Denmark, including:

- Strengthening sobriety checkpoints to counter drink-driving
- Completing ban on alcohol advertising to children via traditional and new media, sponsorships, branding and point-of-sale displays
- Alcohol taxation
- Strengthening screening and counselling in primary care
- Strengthening regulation on alcohol advertising, sponsorships, branding and point-of-sale displays
- Minimum unit pricing targeting cheap alcohol

In Denmark, investing DKK 19.3 per person per year in the enhanced policy package to tackle harmful alcohol use will:

- prevent 355 thousand non-communicable diseases and injuries by 2050;
- save DKK 917 million per year in health costs;
- increase employment and productivity by the equivalent of 5.2 thousand full-time workers per year.

For every DKK 1 invested in the policy package, DKK 16 are returned in benefits, not considering any impact on the alcohol industry.

Discover the OECD SPheP-NCD data explorer and the model’s documentation at http://oecdpublichealthexplorer.org/

Find the full OECD report Preventing Harmful Alcohol Use at oe.cd/alcohol2021