Are we addressing alcohol attributable deaths properly?

Francisco Goiana-da-Silva, MD, MSc, MIM, PhDc Junior Consultant, Alcohol and illicit drugs















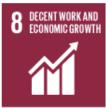








































Alcohol and "substance abuse" in Sustainable Development Goals 2030

SDG Agenda: 17 goals (1 health), 169 targets (13 health) adopted at the United Nations Sustainable Development Summit in 25 – 27 September 2015



Ensure healthy lives and promote well-being for all at all ages

3.5 Strengthen the prevention and treatment of substance abuse, including narcotic drug abuse and harmful use of alcohol

- 3.5.1 Coverage of treatment interventions (pharmacological, psychosocial and rehabilitation and aftercare services) for substance use disorders
- 3.5.2 Harmful use of alcohol, defined according to the national context as alcohol per capita consumption (aged 15 years and older) within a calendar year in litres of pure alcohol











Are we on track for meeting the global target for harmful use of alcohol in the NCD Global Monitoring Framework and advancing SDG health target 3.5?

Global alcohol exposure between 1990 and 2017 and forecasts (1) (1) until 2030: a modelling study



Jakob Manthey, Kevin D Shield, Margaret Rylett, Omer S M Hasan, Charlotte Probst, Jürgen Rehm

Summary

Background Alcohol use is a leading risk factor for global disease burden, and data on alcohol exposure are crucial to evaluate progress in achieving global non-communicable disease goals. We present estimates on the main indicators of alcohol exposure for 189 countries from 1990-2017, with forecasts up to 2030.

http://dx.doi.org/10.1016/ 50140-6726(18)22744-2



Interpretation Based on these data, global goals for reducing the harmful use of alcohol are unlikely to be achieved, and known effective and cost-effective policy measures should be implemented to reduce alcohol exposure.









Alcohol Consumption





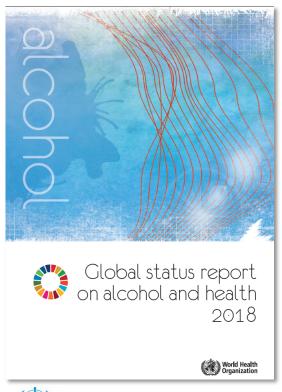






Global Status Report on Alcohol and Health 2018

- Developed in the context of SDG 2030 agenda
- Based on the data collected in the WHO Global Survey on Alcohol and Health 2016
- Contains alcohol-related statistics for 2016
- Special focus on SDG and NCD GMF indicators and trends since 2010.



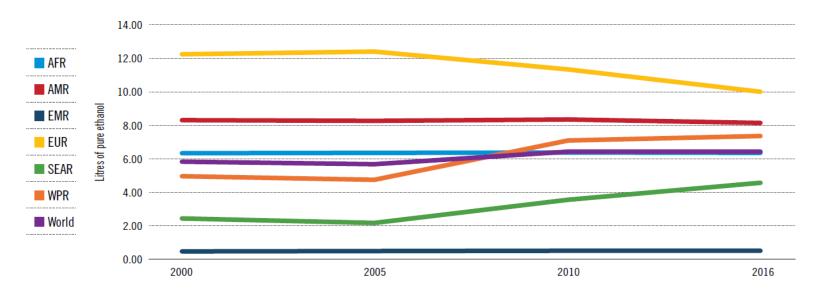








Trends in total alcohol per capita consumption (APC) (15+ years) in litres of pure alcohol in WHO regions, 2000–2016





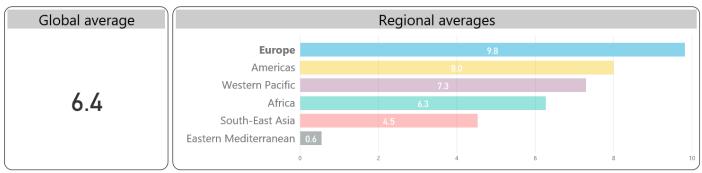


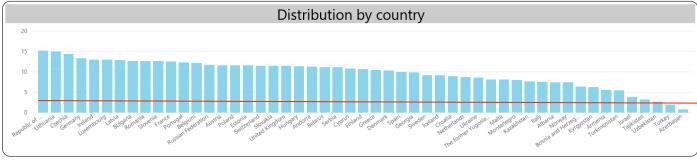




Total alcohol per capita consumption (APC) (15+ years) in litres of pure alcohol in WHO regions, 2000–2016

Globally alcohol consumption in 2016 was estimated to be 6.4 liters of pure alcohol per person aged 15 or older











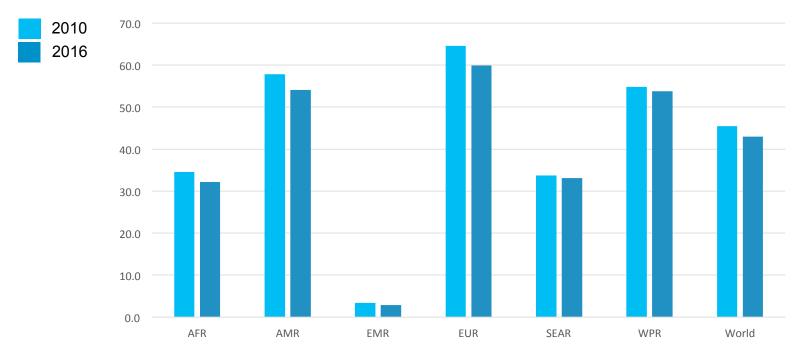


Percentage (in %) of current drinkers, among the total population (15+ years) by WHO region and the world, 2016

Weltgesundheitsorganisation

Европейское региональное бюро

REGIONALBÜRO FÜR EUropa



Organisation

BUREAU RÉGIONAL DE L' Europe

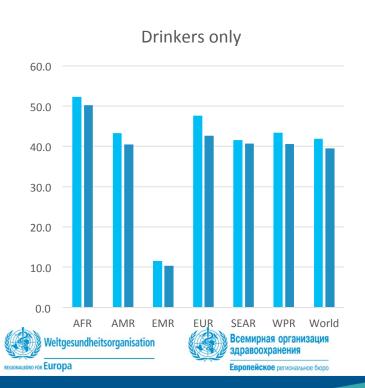
World Health

REGIONAL OFFICE FOR Europe

Prevalence (in %) of heavy episodic drinking (HED) in the total population aged 15+ years and among drinkers (15+ years) by WHO region and the world, 2000–2016



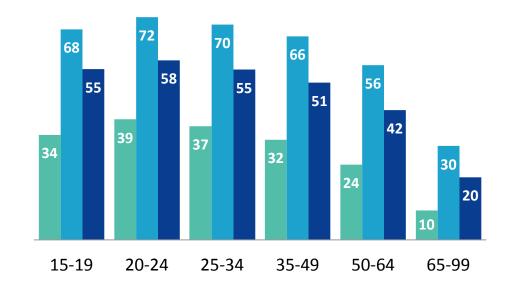




HEAVY EPISODIC DRINKING (%) AMONG CURRENT DRINKERS BY AGE GROUP, 2016

More than half of the male drinkers between 15 and 64 years engaged in heavy episodic drinking in 2016













Health Consequences



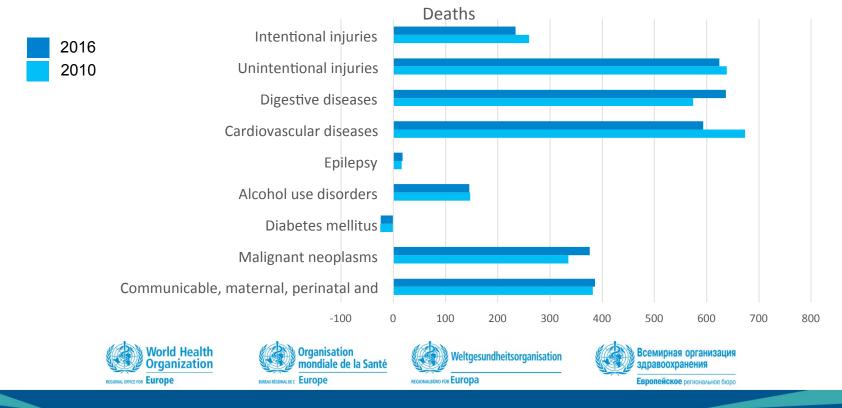








Deaths (thousands) attributable to alcohol consumption, by cause, 2010–2016



Leading risk factors by attributable DALYs 1990-2006-2016 for men

(GBD Risk Factors Collaborators, Lancet, 2017, 390: 1345-422)

Leading risks 1990	_	Leading risks 2006	Mean % change in number of DALYs 1990–2006	Mean % change in all-age DALY rate 1990-2006	Mean % change in a standardise DALY rate 1990–2006	ed	Leading risks 2016	Mean % change in number of DALYs 2006–16	Mean % change in all-age DALY rate 2006–16	Mean % change in age- standardised DALY rate 2006–16
1 Child growth failure	}、 /	1 Smoking	18.5	-5⋅3	-20-1		1 Smoking	2.1	-9.3	-20-4
2 Low birthweight and short gestation	 ` 	2 Low birthweight and short gestation	-24-4	-39-6	-24.8	···.	2 High blood pressure	16.2	3.2	-10.5
3 Smoking		3 High blood pressure	32.3	5.8	-12-4		3 Low birthweight and short gestation	-28⋅3	-36-3	-27.8
4 High blood pressure)	4 Child growth failure	-45-9	-56-8	-46.7		4 Alcohol use	2.6	-8.8	-15.5
5 Household air pollution	}., /	5 Alcohol use	35-4	8-2	-5.4		5 High fasting plasma glucose	19-5	6.2	-7.2
6 Ambient particulate matter	}-:: ₋ //	6 High fasting plasma glucose	59.7	27-6	7.2		6 High body-mass index	31.0	16.4	2.8
7 Unsafe water	1./ %	7 Ambient particulate matter	-2.6	-22-2	-22.5	- `//	7 Ambient particulate matter	4.2	-7.4	-14-2
8 Alcohol use	/ \/ `	8 Household air pollution	-24.7	-39-8	-37.8]./ ' <u>></u>	8 High total cholesterol	13.3	0.6	-11-6
9 Unsafe sanitation	./`\. /	9 High body-mass index	63.3	30-5	10.0		9 Child growth failure	-42-3	-48-8	-43.8
10 High fasting plasma glucose	r //	10 High total cholesterol	31.1	4.8	-13-4	``	10 Household air pollution	-27-4	-35.5	-38.3
11 No access to handwashing facility		11 Unsafe water	-32-5	-46-0	-37.6	Ī. /	11 Low fruit	2.2	-9.1	-19-8
12 High total cholesterol	// ``	12 Unsafe sex	300-9	220-4	198.8		12 Low whole grains	10.3	-2.0	-13.5
13 High body-mass index	ا \ <u>`</u>	13 Low fruit	22.5	-2.1	-17-3		13 Impaired kidney function	18.9	5.6	-6.3
14 Low fruit	1 . I	14 Unsafe sanitation	-35.6	-48-5	-40-5	1. XX	14 Low nuts and seeds	12.0	-0.5	-12-0
15 Low whole grains		15 Low whole grains	22.8	-1.8	-17-6		15 High sodium	12.8	0.2	-13-4
16 Suboptimal breastfeeding	ر ^ا ا	16 Impaired kidney function	37.8	10.1	-5.0		16 Unsafe water	-34.6	-41.8	-39-4
17 High sodium	K X	17 No access to handwashing facility	-29.3	-43.5	-34-2]./// `	17 Unsafe sex	-35-3	-42.5	-43.8
18 Occupational injury	シン	18 Low nuts and seeds	32-4	5.8	-11-9		18 Drug use	9.1	-3.0	-5.7
19 Impaired kidney function	rist.	19 High sodium	7.3	-14-2	-28-3	$Y \setminus Z$	19 Low vegetables	3.0	-8.5	-19-3
20 Low nuts and seeds	1 X_	20 Low vegetables	14.9	-8-2	-22.7		20 Low omega 3	12.1	-0-4	-12-0
21 Low vegetables	I-Tim	21 Drug use	55-9	24.6	17.6	Y X	21 Unsafe sanitation	-39-3	-46-1	-43.9
22 Second-hand smoke	I. / X	22 Occupational injury	-14-8	-31.9	-36.0	\ \	22 Occupational injury	-2.0	-12-9	-14-4
23 Low omega 3	1 \/ / \	23 Low omega 3	35-9	8.6	-8.9		23 No access to handwashing facility	-34.0	-41-4	-38.5
24 Vitamin A deficiency]. <i>K</i> .	24 Suboptimal breastfeeding	-48-4	-58-7	-48-9		24 Occupational carcinogens	18.7	5.5	-8-0
25 Drug use	i//. \	25 Occupational carcinogens	29.9	3.8	-12.0	1	25 Low physical activity	18-8	5⋅6	-9-6
26 Iron deficiency	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	26 Low physical activity	33.0	6.3	-13-1		26 Iron deficiency	4.2	-7.4	-3.4
27 Unsafe sex		27 Iron deficiency	17-3	-6-2	3.4		27 Low fibre	9.5	-2.7	-12-9
28 Occupational carcinogens	Y/\`\\	28 Low fibre	34.3	7.3	-10-3		28 Lead	5.7	-6.0	-15.5
29 Low physical activity	1//	29 Second-hand smoke	-39⋅3	-51.5	-42-6	1.//	29 Low legumes	7.3	-4.7	-15.1
30 Low fibre	1 -	30 Lead	33.5	6.7	-5.3		30 Second-hand smoke	-10-8	-20.7	-21.7
32 Lead		31 Low legumes					33 Suboptimal breastfeeding			
221		A DC Minimum to A de Colombia								

33 Low legumes

36 Vitamin A deficiency

The WHO European Region struggles with one of the highest levels of alcohol-related deaths in the world

1 million people died in the European Region as a result of alcohol

2500 people per day

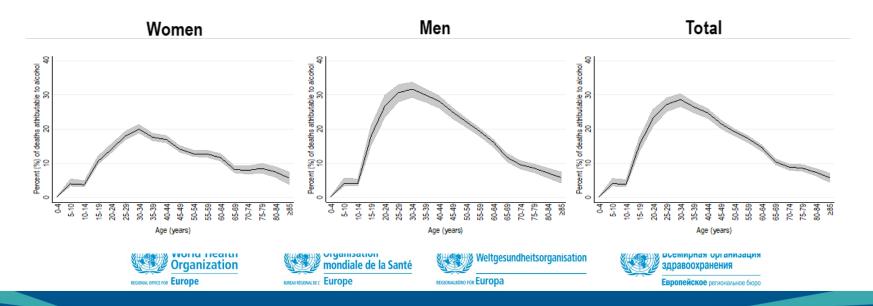
13 SDG | 52 Targets Affected

Cause of death	Wor	men	M	en	Total		
Cause of death	Number	%	Number	%	Number	%	
Communicable disease	8,992	2.5	28,785	5.0	37,777	4.1	
Noncommunicable disease ^a	316,739	88.7	412,516	72.1	729,256	78.5	
Cancer	35,635	10.0	96,937	17.0	132,572	14.3	
Alcohol-use disorders	11,319	3.2	46,207	8.1	57,526	6.2	
Cardiovascular diseases	240,783	67.5	180,002	31.5	420,784	45.3	
Liver cirrhosis	34,837	9.8	74,185	13.0	109,022	11.7	
Injury	31,242	8.8	130,567	22.8	161,808	17.4	
Unintentional injury	19,729	5.5	75,113	13.1	94,842	10.2	
Intentional injury	11,513	3.2	55,453	9.7	66,967	7.2	
Harm to others – traffic	5,088	1.4	11,297	2.0	16,385	1.8	
All alcohol-attributable causes	356,973	100.0	571,868	100.0	928,841	100.0	

- Direct costs to the household frequently underestimated
- Loss of job/unemployment
- Massive costs: European Union €156 billion yearly

Proportion of deaths caused by alcohol by age and sex in the WHO European Region in 2016

Compared to other major noncommunicable disease risk factors such as tobacco use, a relatively high proportion of alcohol harm occurs early in the life-course.



Alcohol policy and interventions





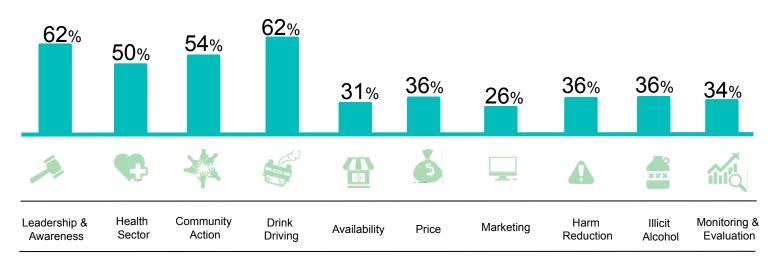






The Big Picture from the 2015 Survey

Percent of responding countries reporting an overall increase in each priority area





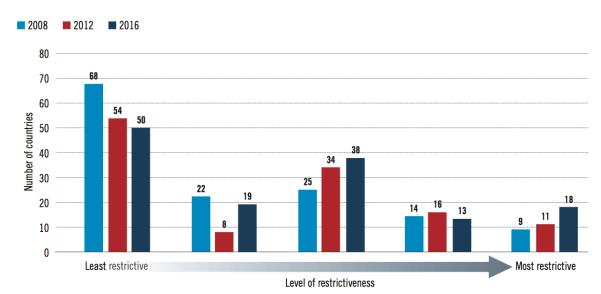






Trends in restrictiveness of marketing policies, 2008-2016

(n =144 reporting countries)



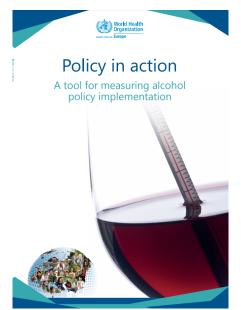


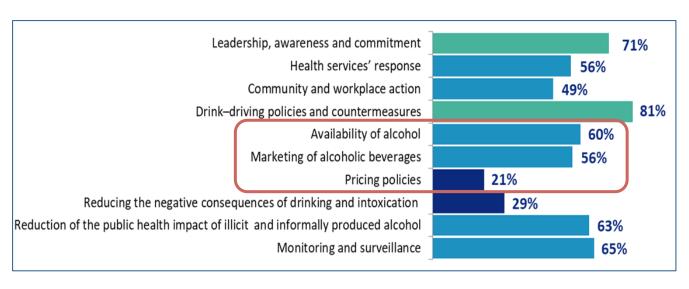






Levels of alcohol policy implementation in the WHO European Region in 2016







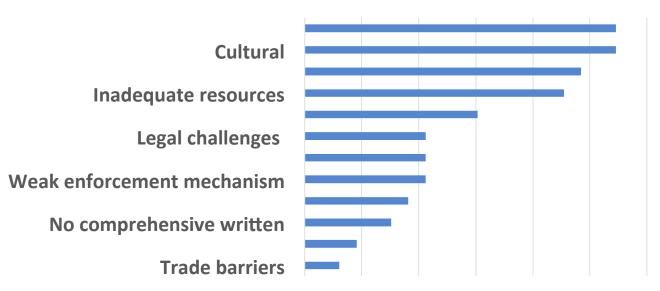






What have been the main difficulties/barriers/setbacks in these policy areas since 2016? (EUROPE, n=33)

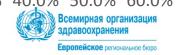












Consultation on the Implementation in the WHO European Region



Primary barriers to implementing alcohol policies

In the WHO Global Alcohol Policy Survey 2015, 11 countries noted limited or reduced availability of funding as a key barrier to implementing alcohol policies. Hungary, Germany and Romania pointed to inadequate cross-sectoral cooperation as a challenge. Seven countries listed lobbying and opposition from the alcohol industry as barriers to introducing changes in alcohol policy, while Ireland described lobbying by alcohol providers as undermining health reforms. Germany, Finland, Romania, Belgium, Latvia and Czechia described societal attitudes towards drinking and cultural resistance as barriers to successful implementation of alcohol policies. Additional barriers reported by responding countries included lack of enforcement, slow political progress and lack of political will to introduce reforms.

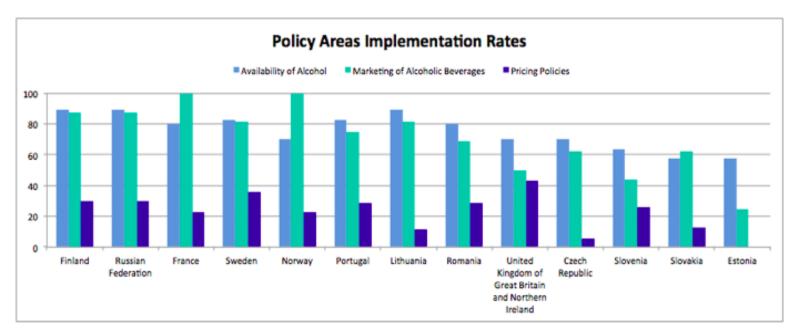








Why aren't we implementing?











Implementing the European Action Plan on Alcohol

Francisco Goiana-da-Silva ☑ • David Cruz-e-Silva • Mikaela Lindeman • Matilda Hellman • Colin Angus • Thomas Karlsson • et al.

Show all authors

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The report on the European region consultation on the implementation and achievements of the EAPA 2012–2020 highlights the need for a new <u>roadmap</u> that will, first, aim to strengthen the <u>implementation</u> of the EAPA at the country level and, second, to support member states to achieve targets set in important public health <u>commitments</u>, such as those related to reducing non-communicable diseases and achieving the Sustainable Development Goals.

Closing the Implementation gap: the key to reduce alcohol consumption?











Once upon a time in Russia ...



ALCOHOL POLICY IMPACT CASE STUDY

The effects of alcohol control measures on mortality and life expectancy in the Russian Federation



Policies do matter!

What was there (2003)

- 30 litres alcohol per capita consumption in men and 11 litres in women
- 90% heavy episodic drinking in men, 68% in women (drinkers only)
- One out of two men of working age dies prematurely because of alcohol
- Life expectancy is 59 for men and 72 for women

What was done (since 2003)

- Restrictions of alcohol marketing (TV, radio, billboards...)
- Restrictions of alcohol availability (night ban on off-premises sale, ban on internet sale)
- Higher alcohol pricing (increase in excise rates, introduction of minimum unit price)
- Introduction of an automated monitoring system for production and retail sale (real time tracking)

What were the outcomes (2016/2018)

- 19 litres alcohol per capita consumption in men and 6 litres in women → 40% drop for both sexes
- 79% heavy episodic drinking in men, 44% in women (drinkers only)
- Life expectancy is 68 for men and 78 for women → increase 9 years on life expectancy for men

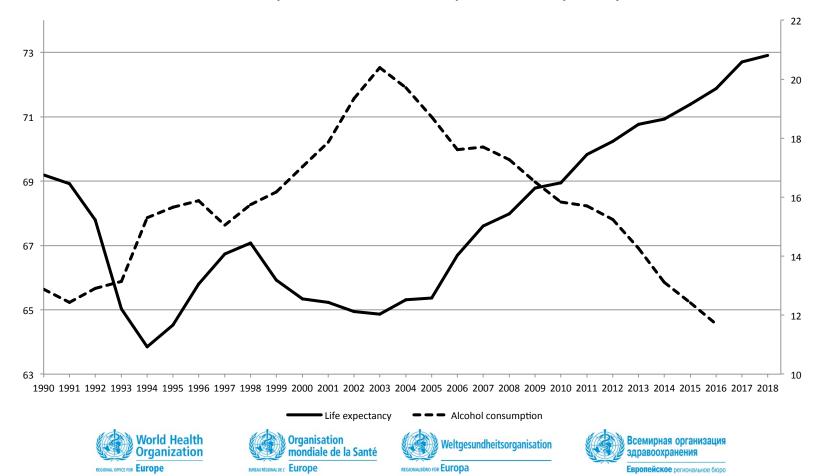








Relationship between alcohol consumption and life expectancy



Conclusions

- With 3 million alcohol-attributable deaths in 2016 and well-documented adverse impacts on the health and well-being of individuals and populations, it is a public health imperative to strengthen and sustain efforts to reduce the harmful use of alcohol worldwide.
- A significant body of evidence has accumulated on the effectiveness of alcohol policy options, but often the most cost-effective policy measures and interventions are not implemented or enforced, and the alcoholattributable disease burden continues to be extraordinarily large.
- The wealth of data and analyses available can provide new grounds for advocacy, raising awareness, reinforcing political commitments and promoting global action to reduce the harmful use of alcohol.

