

WOMEN AND ALCOHOL

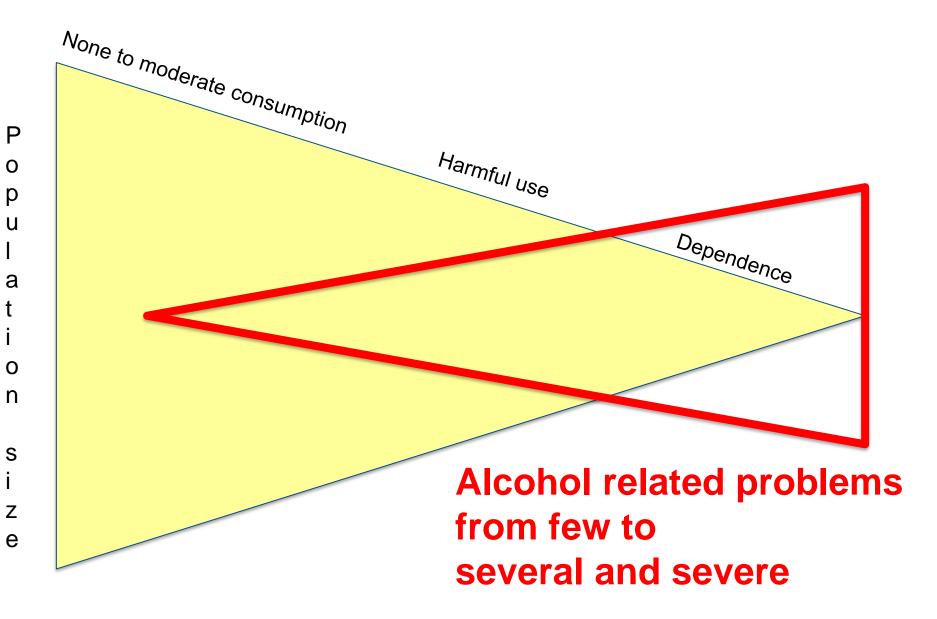
GUNNEL HENSING UNIVERSITY OF GOTHENBURG



Women and alcohol in Gothenburg - WAG

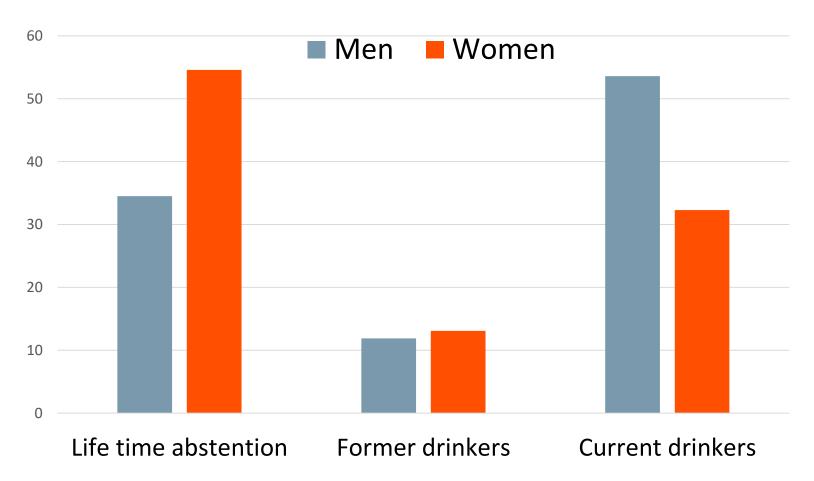


Alcohol consumption as a continuum.



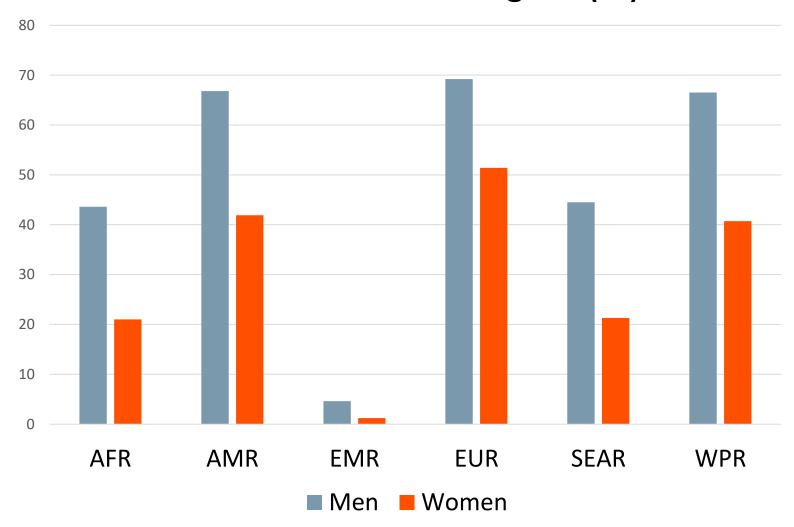


Distribution of abstention and current drinking (%) 15+, World





Current drinkers among all (%), 15+

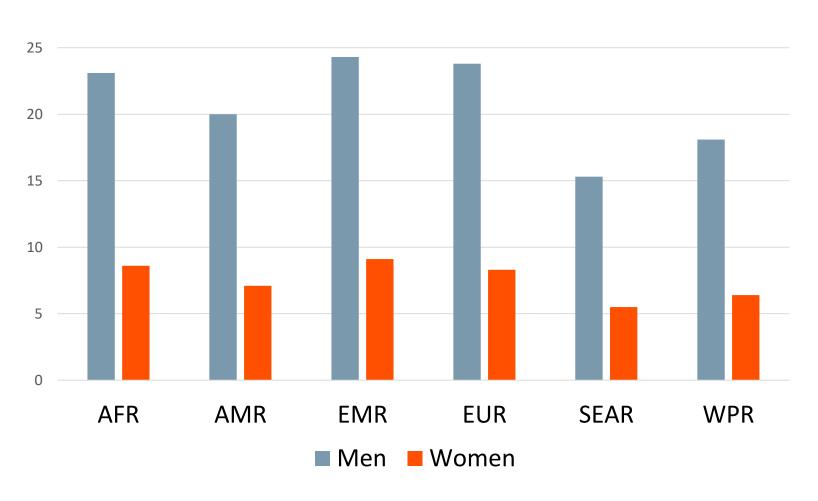


EPIDEMIOLOGI (EPSO)



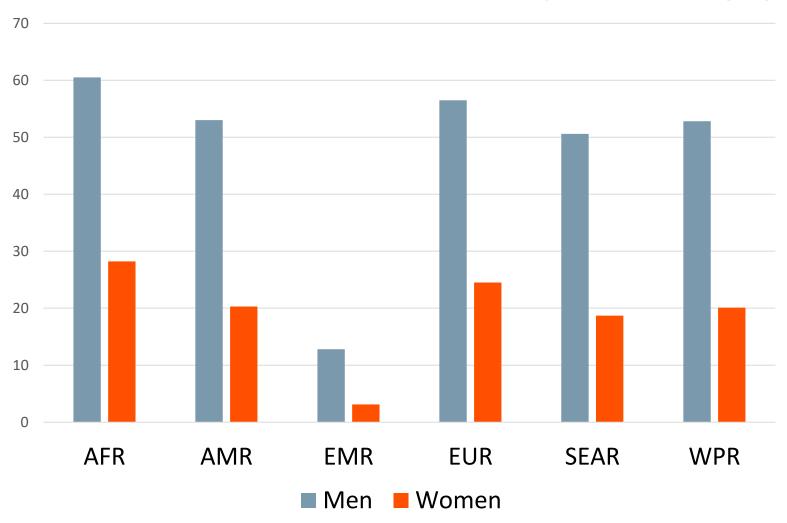
30

Per capita consumption of pure alcohol (litre) among drinkers, 15+,





Prevalence of HED among drinkers (%), 15+





HEALTH CONSEQUENCES?



Alcohol use disorders

- World
 - -8.6% of adult men
 - -1.7% of adult women

- European Region
 - -14.6% of adult men
 - -3.5% of adult women

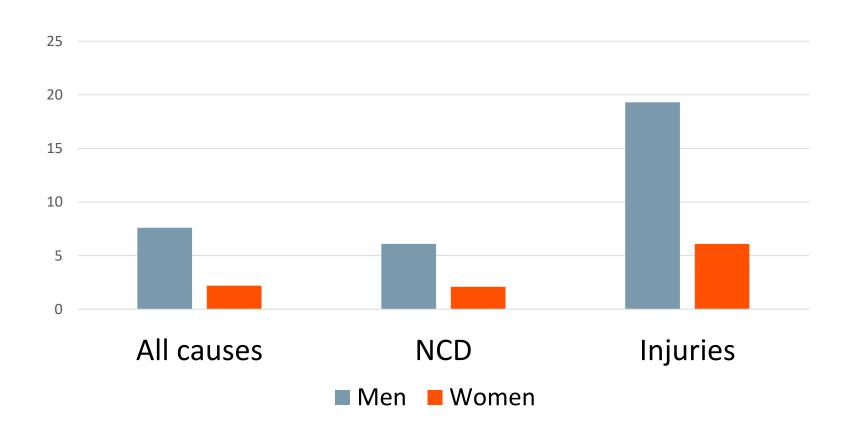


Disability adjusted life years - DALY

- Disability-adjusted life years (DALYs) represent a time-based measure of overall burden of disease for a given population.
- DALYs are the sum of years of life lost due to premature mortality as well as years of life lost due to time lived in less than full health.



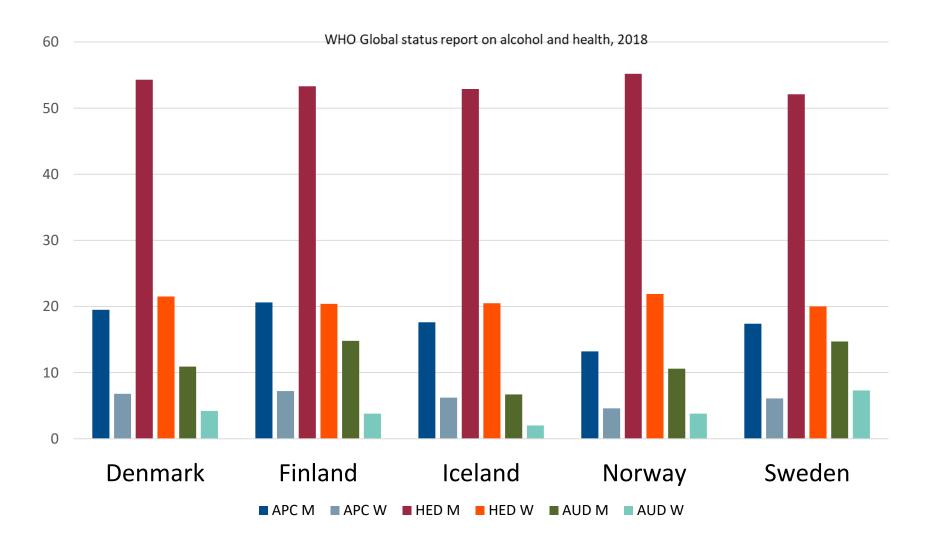
Percentage (%) of DALY's attributable to alcohol





APC, HED and AUD (%)

ENHETEN FÖR SOCIALMEDICIN OCH EPIDEMIOLOGI (EPSO)





Women and alcohol in Gothenburg - WAG



Research in the early 1980:es

Research

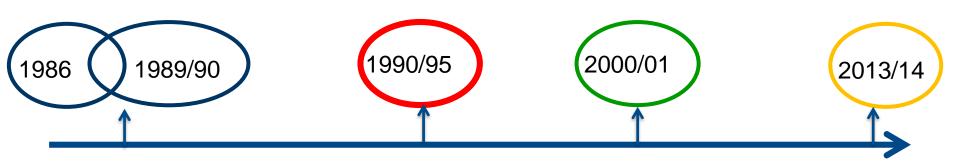
- on men
- by men
- from the perspective of men



WAG was designed from the women's perspective

- Increase the knowledge on women's alcohol consumption and alcohol problems
 - Complementary research
- Include questions form areas that are specific for or more common in women:
 - Sexual abuse, intimate partner violence
 - Sexuality, close relationships
 - Combining work and family responsibility
 - Gender segregation of the work life





Four data collection waves



Study design

1986 2016

1

SWAG
Screening
questionnaire
by mail
13 items
CAGE,
ML-MAST

Sample

- Certain districts of Göteborg
- Total birth cohorts



1986 2016

1 SWAG 2

Stratified sample for personal interviews

Birth cohort	Screening 1 1986 N= 3130 *	Interview ** 1989-1992 n= 399		Screening 2 1995-1996 N= 2910 *	Interview ** 1994-1998 n= 935		98	Screening 3 2000 N= 1103 *	Interview ** 2000-2002 n= 1087		Screening 4 2013 N= 1500 *		terview ** 2013-2015		
1925	583		38		→		25		→		13				
1935	503		60		→		48		→		32		Not invited	^	Not invited
1945	799		107		→		85		→		69	١	for interview	fo	or interview
1955	572		86		→		71		\rightarrow	П	59	T			
1965	673		108		→		91		\rightarrow		66	Г)		44
1970					1944		304	1	\rightarrow		254	Г	\rightarrow		156
1975					966		308	J	\rightarrow		237)		164
1980									1103		358		\rightarrow		216
1993													568		242
	•	•	399		+		612		+		358		+		242

320

730

580

= 1611

= 1630

= 3241

^{*} Number of screening questionaires that were distributed

^{**} Number or women interviewed per wave



Interviews n= 3241

- Baseline interviews: 1611
- Follow up interviews: 1630
- Approximately 900 women have been interviewed twice
- Interviewed three times: 232 women
- Interviewed four times: 44 women born 1965



Birth cohorts, age groups, life course

1925	1935	1945	1955	1965	1970	1975	1980	1993
65	55	15	25	25				
03	33	43	33	23				
70	60	50	40	30	25	20		
75	65	55	45	35	30	25	20	
				47	42	37	32	20
	65	65 55 70 60	655545706050	65 55 45 35 70 60 50 40	65 55 45 35 25 70 60 50 40 30 75 65 55 45 35	65 55 45 35 25 70 60 50 40 30 25 75 65 55 45 35 30	65 55 45 35 25 70 60 50 40 30 25 20 75 65 55 45 35 30 25	65 55 45 35 25 -



Interview contents?

CHILDHOOD	ADULTHOOD
Family, quality in parental relationship, sexual abuse	Family situation, close relationships, worklife, leisure time, education, sexuality
School, behavior, social problems	Alcohol – frequency, amount, place, type of beverage, effects, consequences Tobacco Legal and illegal drugs
Health	Psychiatric diagnoses DSM Suicidal ideation Somatich health Care seeking



New perspectives included in the latest wave

CHILDHOOD	ADULTHOOD	New areas				
Family, quality in parental relationship, sexual abuse	Familysituation, close relationships, worklife, leisure time, education, sexuality	Internet mobbing, offended while drunk, energy beverages, otc pain killers, gambling				
School, behavior, social problems	Alcohol – frequency, amount, place, type of beverage, effects, consequences Tobacco Legal and illegal drugs	Stress, burnout, physical activity, satisfied with the body and the looks, performance-based selfesteem				
Health	Psychiatric diagnoses DSM Suicidal ideation Somatich health Care seeking	Demand-control-socia support, job insecurity, work-leisure balance				



Data collection - tests

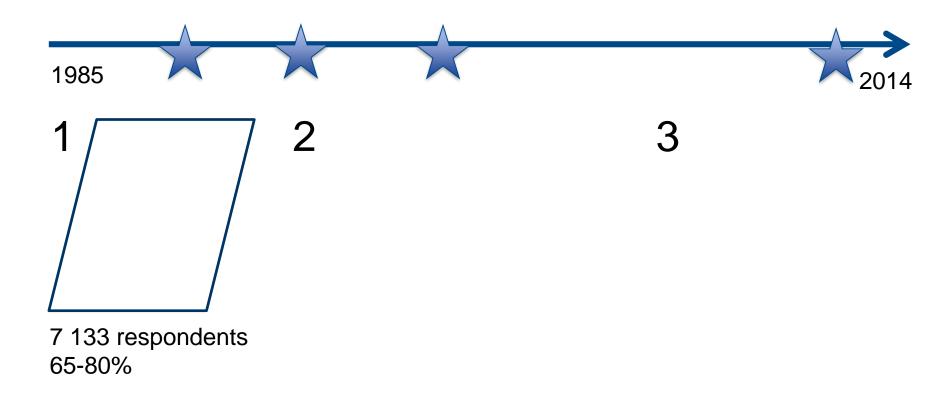
- Personality
 - Karolinska Scale of Personality (KSP)
- Gender identity
 - Masculinity /femininity scale (MF-scale)
 - Based on the Bem's Sex Role Inventory
- Cognitive tests



Data collection - registers

- Sickness absence, disability pension
- Hospital care
- Mortality





1611 + 1630 = 3241 interviews



SWAG – questionnaire data

- Screening questionnaire
 - CAGE (cut-down, annoyance, guilt, eye-opener),
 4 items
 - ML-MAST, 9 items

Participation rate between 80 to 65 %

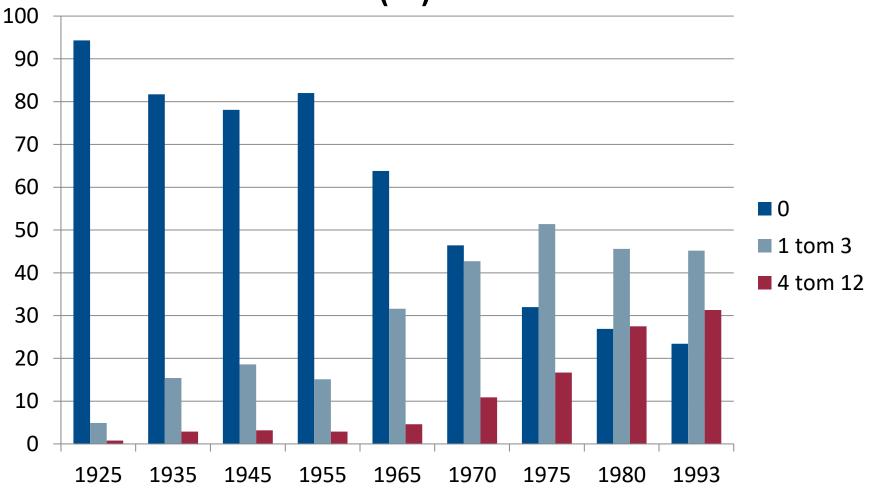


What kind of alcohol related problems do women report in SWAG 1986-2013

N=7710 women

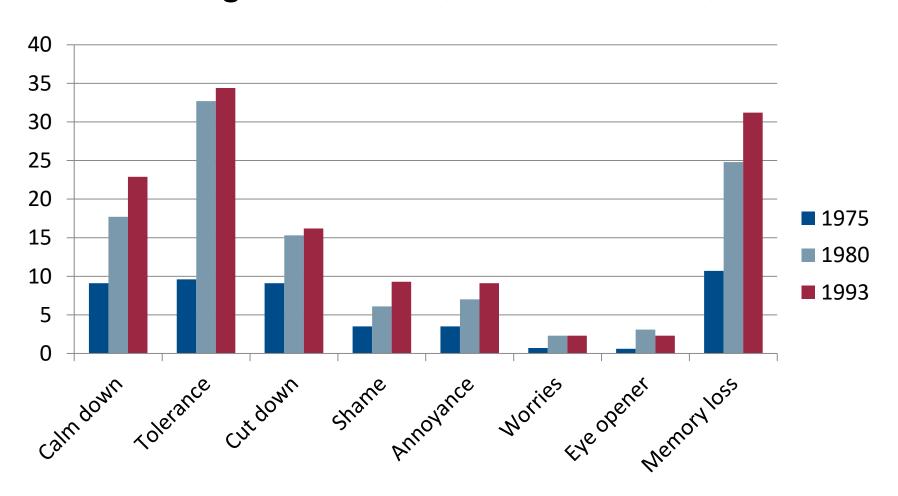


Distribution of SWAG points in different birth cohorts (%)





Age 20 at 1995, 2000 and 2013, SWAG





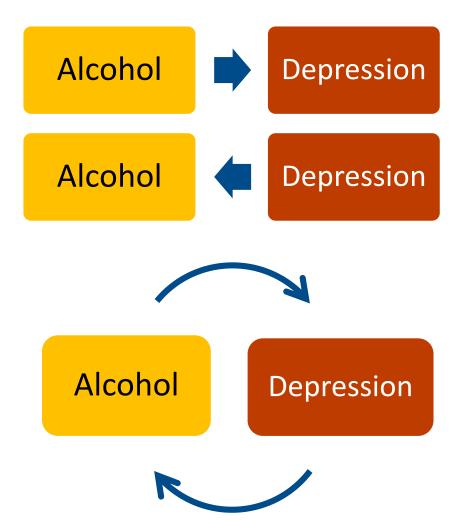
I have been drinking to calm my nerves

Birth cohort	Age at SWAG	Year of data collection	Agree/almost agree (%)
1925	60	1985	2
1935	50	1985	2.9
1945	40	1985	4.9
1955	30	1985	3.1
1965	20	1985	2.4
1970	25	1995	9.1
1975	20	1995	7.4
1980	20	2000	17.7
1993	20	2013	22.9









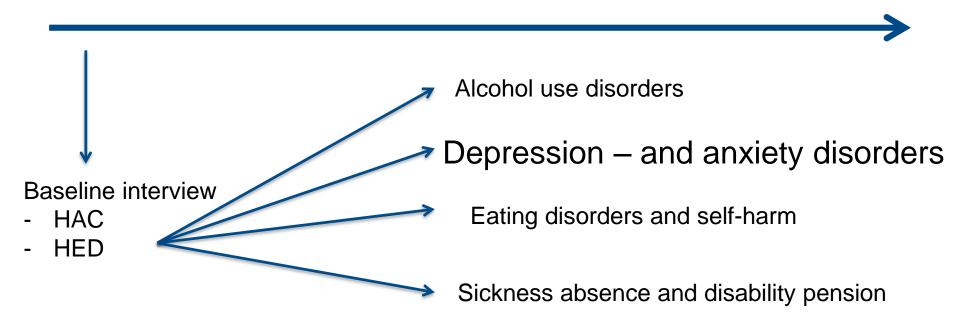


Literature review of AUD and MD

- "The analysis revealed that the presence of either disorder doubled the risks of the second disorder, with pooled AORs ranging from 2.00 to 2.09"
- "The need for further research examining mechanisms of linkage, gender differences in associations between AUD and MD and classification issues was identified."

Cited from the abstract of Boden and Ferguson, 2011

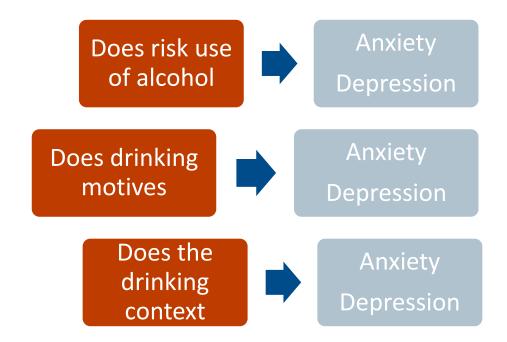
Risk consumption study, WAG







Research questions





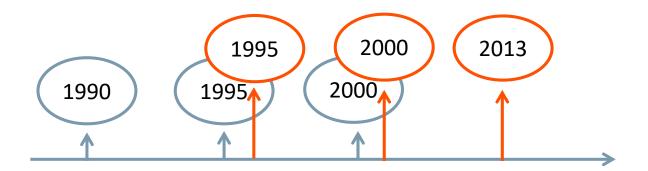




STUDY DESIGN

938

- Women aged 20-28 years at the first interview
- Born 1965, 1970, 1975 or 1980









Risk consumption of alcohol

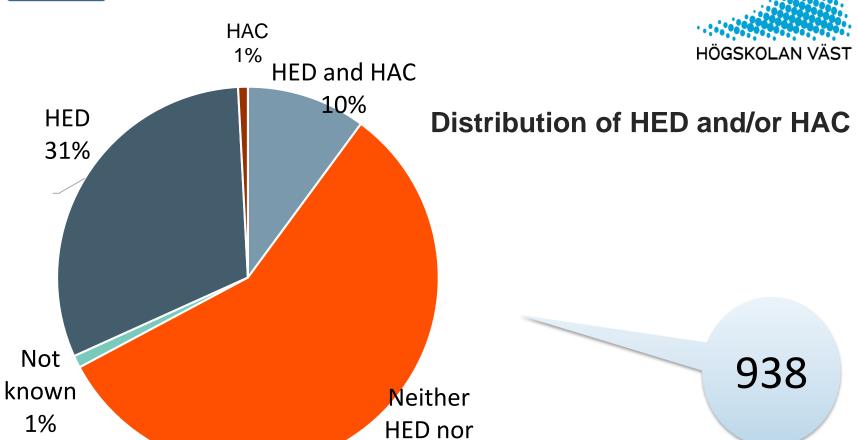
High alcohol consumption = mean consumption of 1,5 standard drinks of alcohol per day during the last month

High episodic drinking = more than 5 standard drinks of alcohol at one occasion at least once a month the last 12 months

alkoholhjalpen.se







HAC

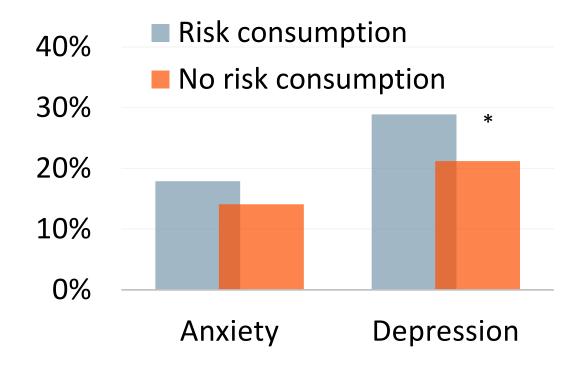
57%



Cross sectional association between risk consumption and anxiety and depression

SAHLGRENSKA AKADEMIN

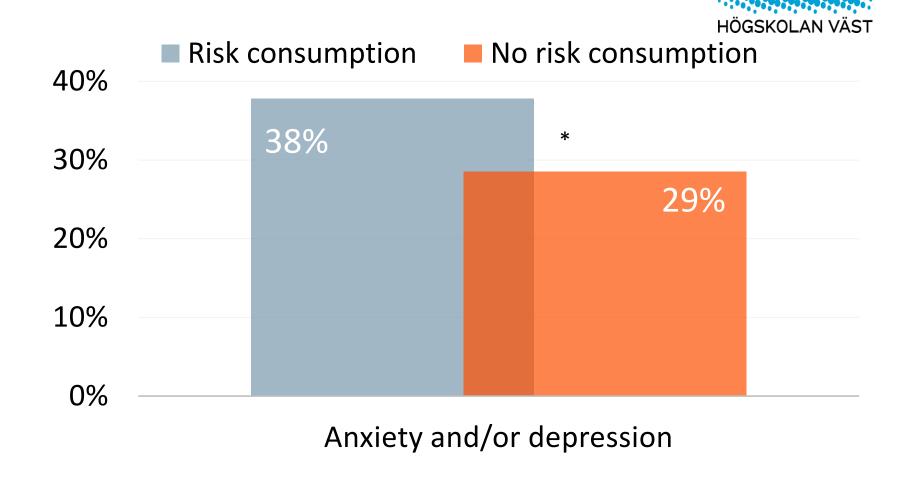
HÖGSKOLAN VÄST



*statistically significant difference



Cross sectional association between risk consumption and anxeity and depression

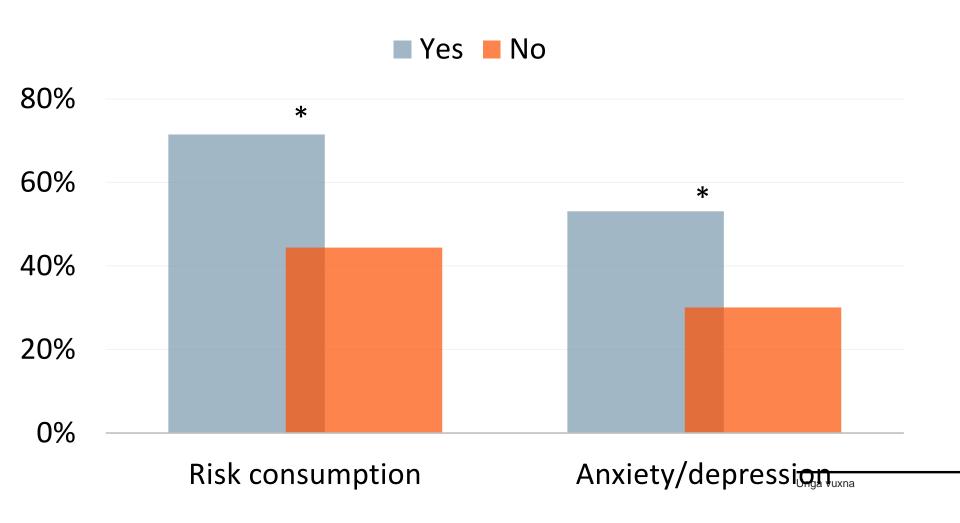


*statistically significant difference





SWAG response: Calm my nerves





PROSPECTIVE ASSOCIATION?



To sum up

- A higher proportion men are drinkers and risk consumers globally and in the Nordic countries.
- 2. Negative health and social consequences are more common in men.
- 3. An exception might be the association between alcohol and anxiety/depression. However, there is a need for more studies in particular longitudinal.

4. SWAG

- a. Changes in several items but still a very low proportion seek health care
- b. From 3 to 22.9% of women drink to calm their nerves

5. WAG

a. No prospective association between HED/HAC and drinking context and future anxiety/depression diagnoses but with "calm the nerves"





THANKS FOR LISTENING!