

Adult Attention Deficit Hyperactivity Disorder (ADHD) and its association with substance use and abuse

PD Dr. Meichun Mohler-Kuo

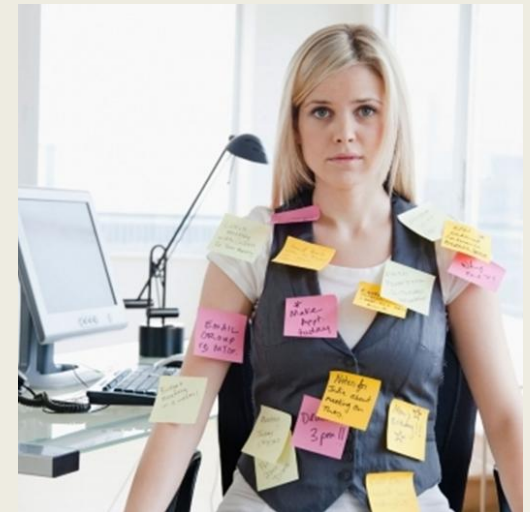
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Attention Deficit Hyperactivity Disorder (ADHD)

■ Inattention and/or hyperactivity-impulsivity symptoms

- Functional impairment and poor mental health can affect functioning in several life domains
- Persist into adulthood



Aims

- To measure the prevalence of adult ADHD among young Swiss men
- To investigate the association between ADHD and the use of licit and illicit substances

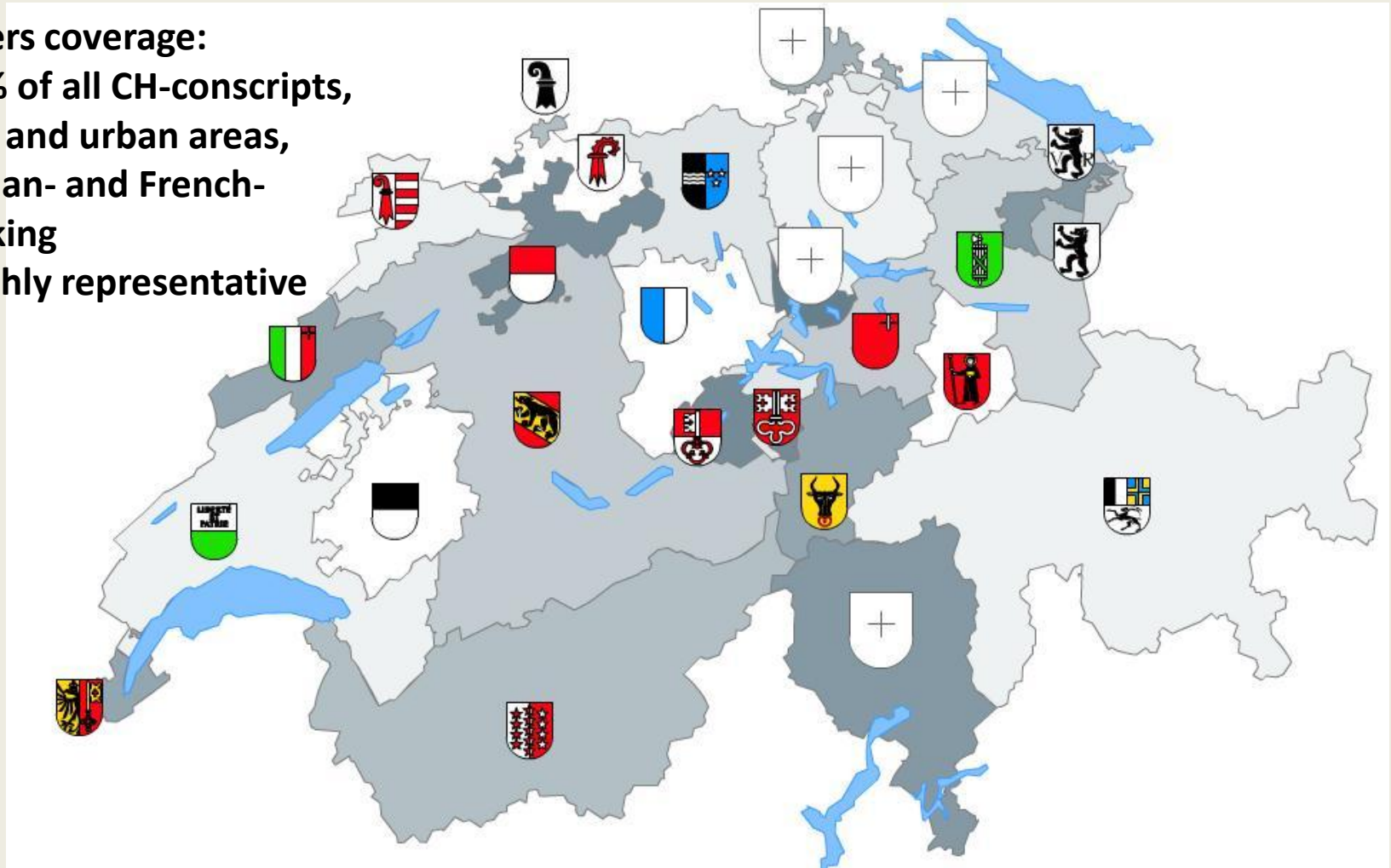
Study Design- Sampling

- Cohort Study of Substance Use Risk Factors (C-SURF)
- Mandatory conscription: ~98% of all young Swiss men (~ 19 years old)
- Fieldwork access: prevention (brief interventions) in the recruitment center of Lausanne, covering all francophone men.
- Swiss Army supports further sampling in German-speaking centers Windisch and additionally Mels.

Sample: 21 of 26 cantons, 6000 men

Centers coverage:

~ 40% of all CH-conscripts,
rural and urban areas,
German- and French-
speaking
-> highly representative



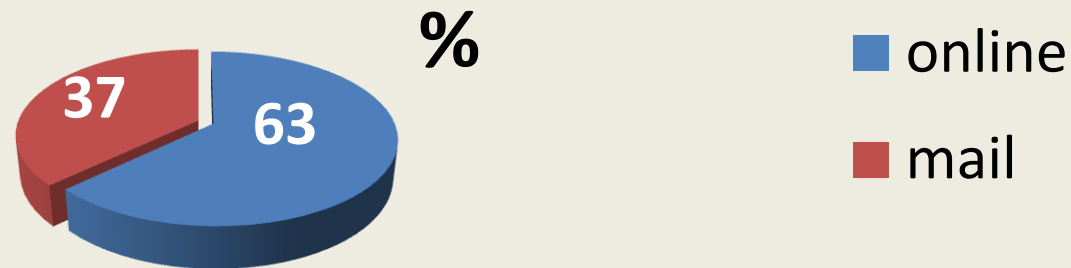
Study Design- Procedure

- Recruitment days in the army are used to enroll study participants (consent), and 5 mins « screening » (August 2010-Nov 2011)
- Collecting detail contact and demographic information.
- **It is NOT a study IN the army!**
- Everything else is independent of the army (baseline, follow-up)
- Baseline Questionnaire was sent to those who consented to participated in the study.

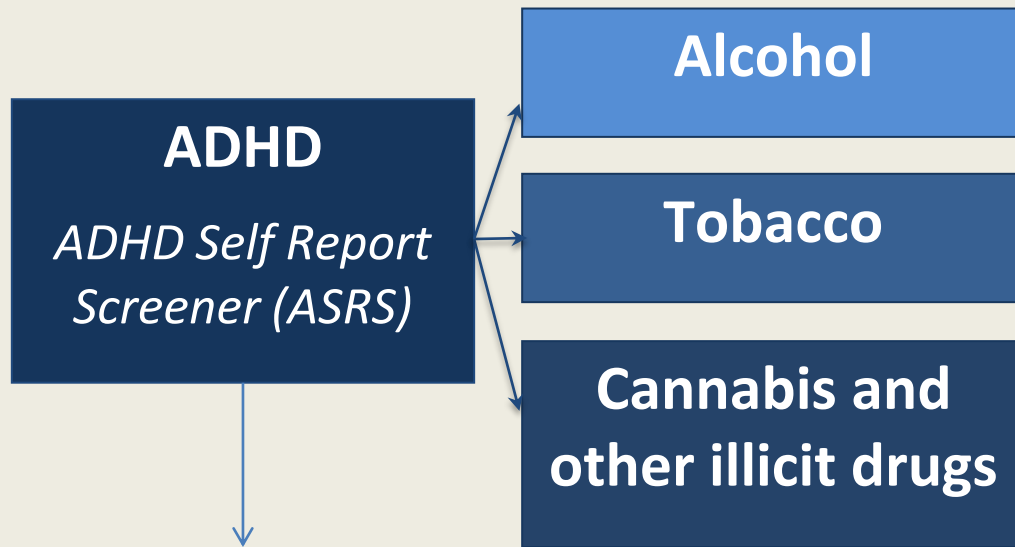


Study Design- Participants

	Lausanne		Windisch		Mels		TOTAL	
	N		N		N		N	
Informed	6314		6176		681		13245	
Screenings	6101	97%	5830	94%			11931	96%
Consent	4432	70%	2602	42%	531	78%	7565	57%
Baseline completed	3324	75%	2133	82%	531	100%	5988	79%



Methods-assessment



Developed by WHO,
6 items, refer to symptoms in the last 12 months
Five-point scale from never (0) to very often (4)

Experience of use:

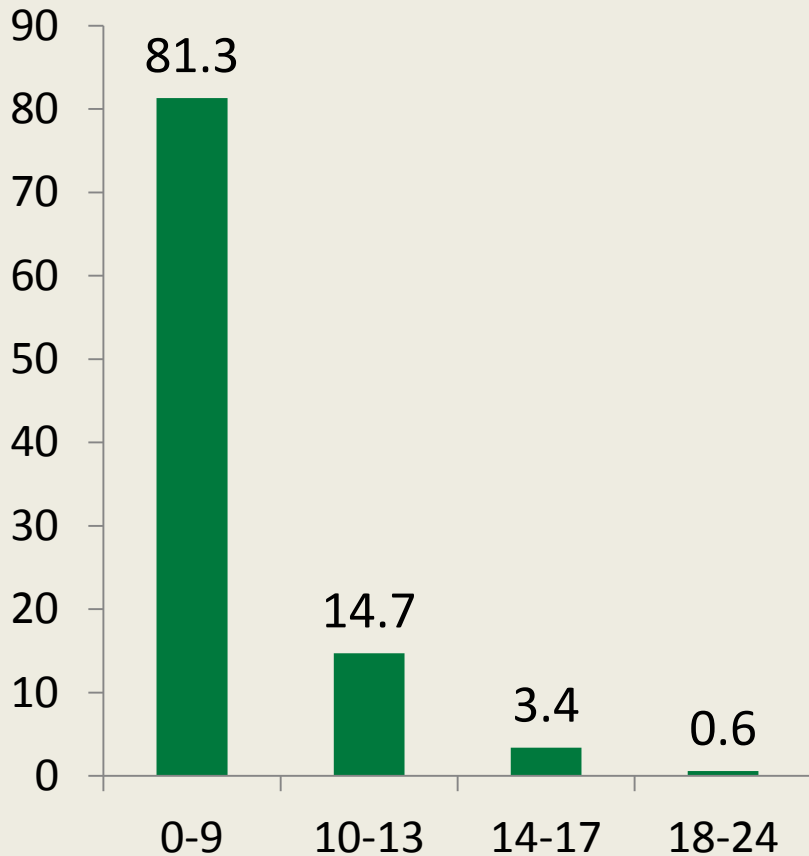
- Ever used substance
- Ever used substance excessively
- Use of substance in the last 12 months

Risky substance use

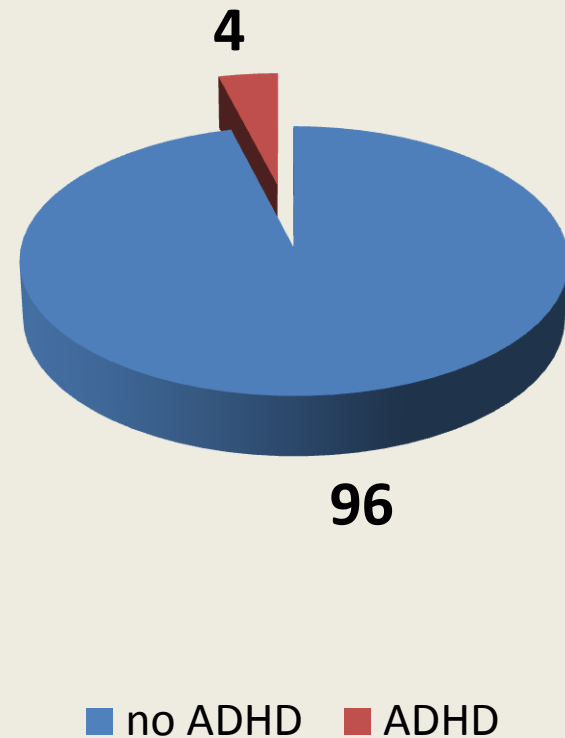
Substance use disorders

ADHD- 12-Month Prevalence

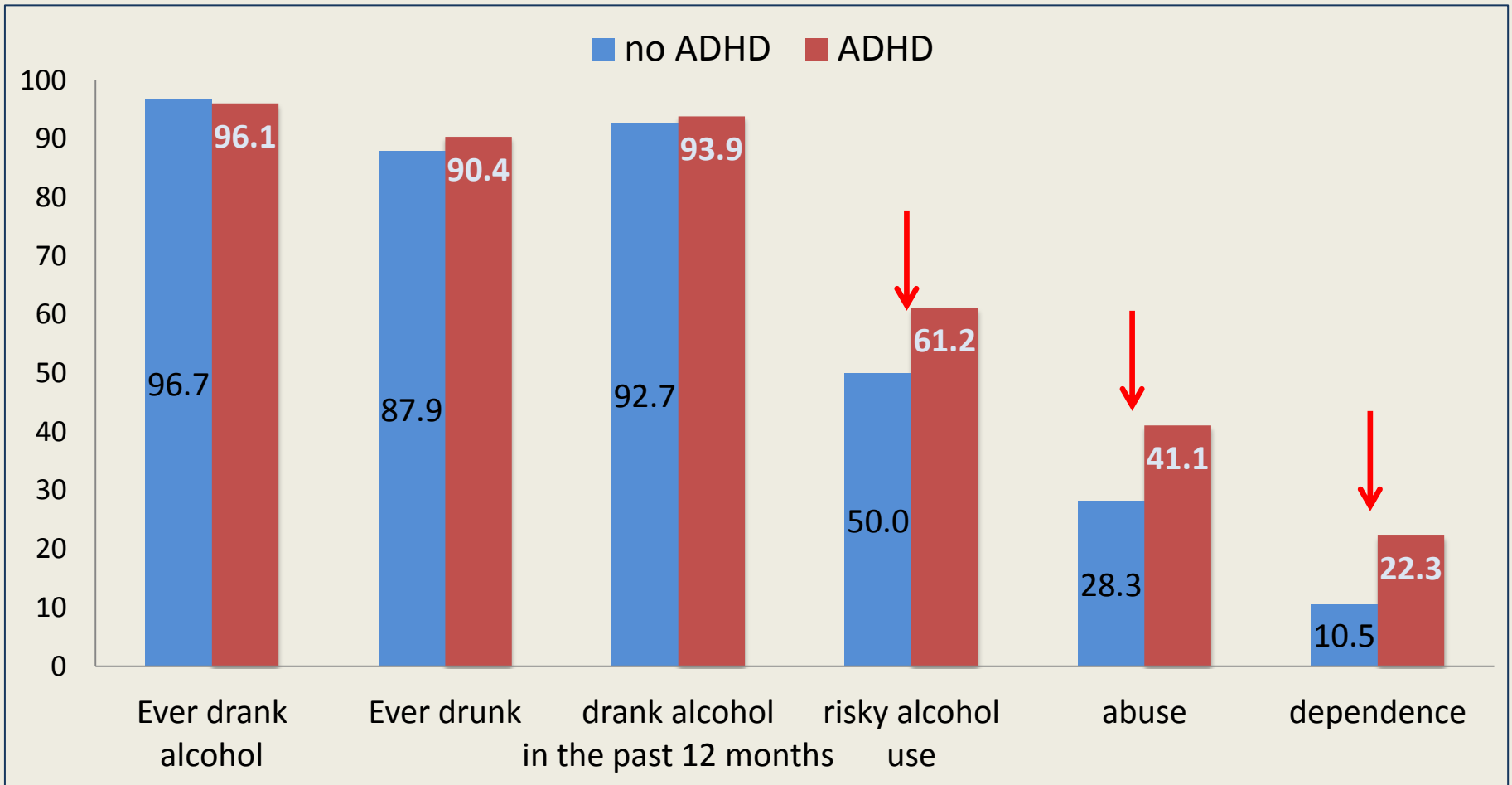
Score



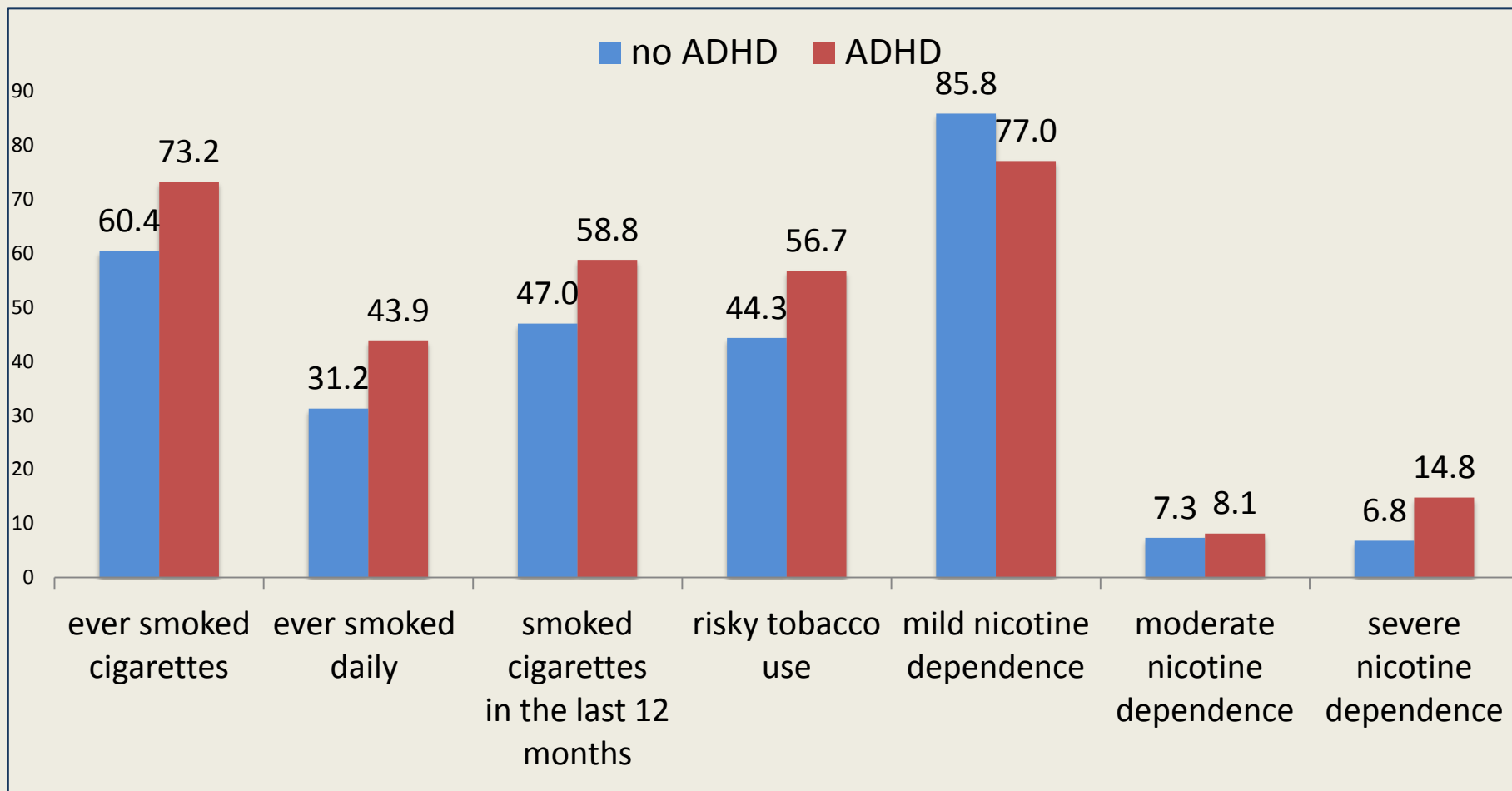
Prevalence



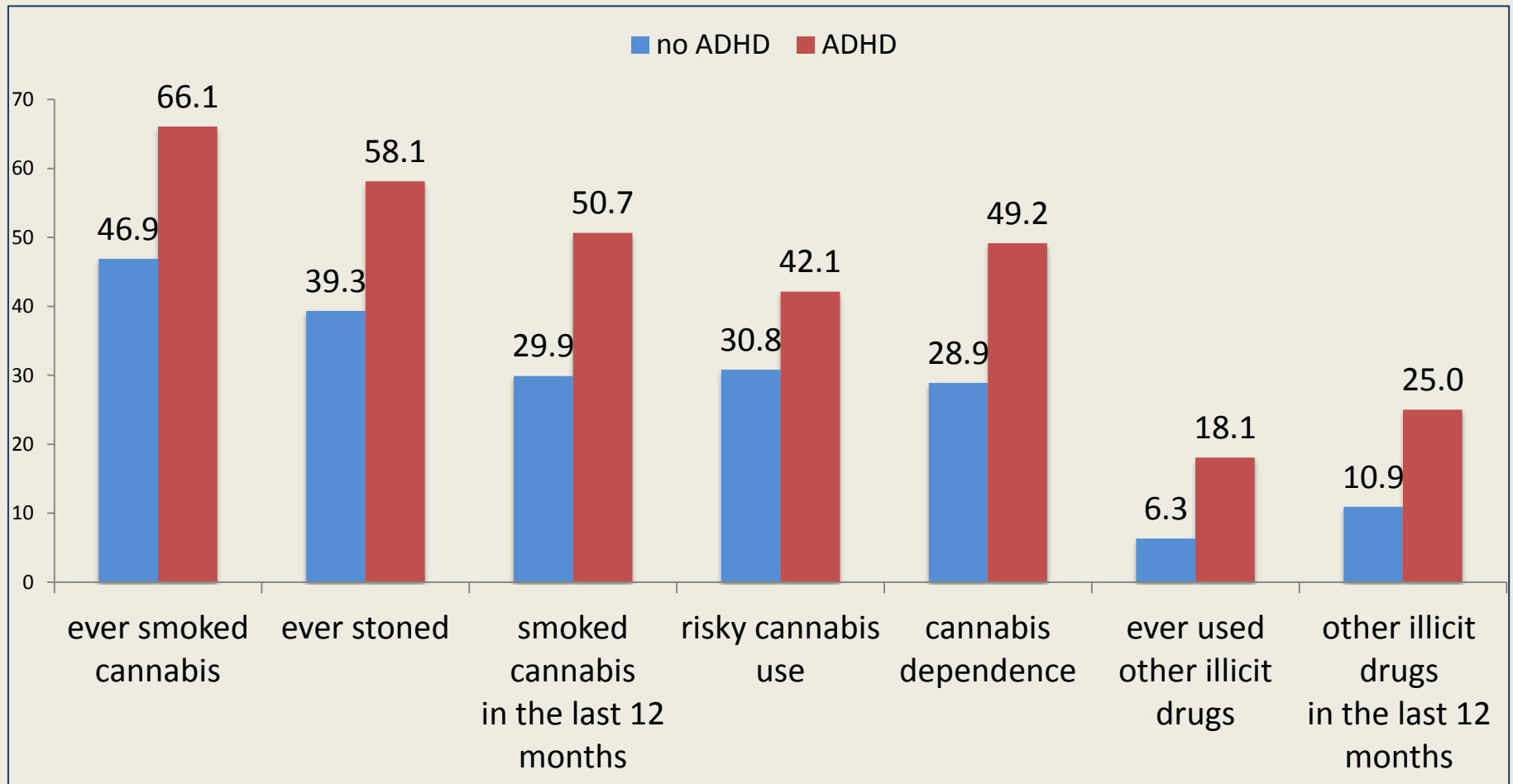
Alcohol use



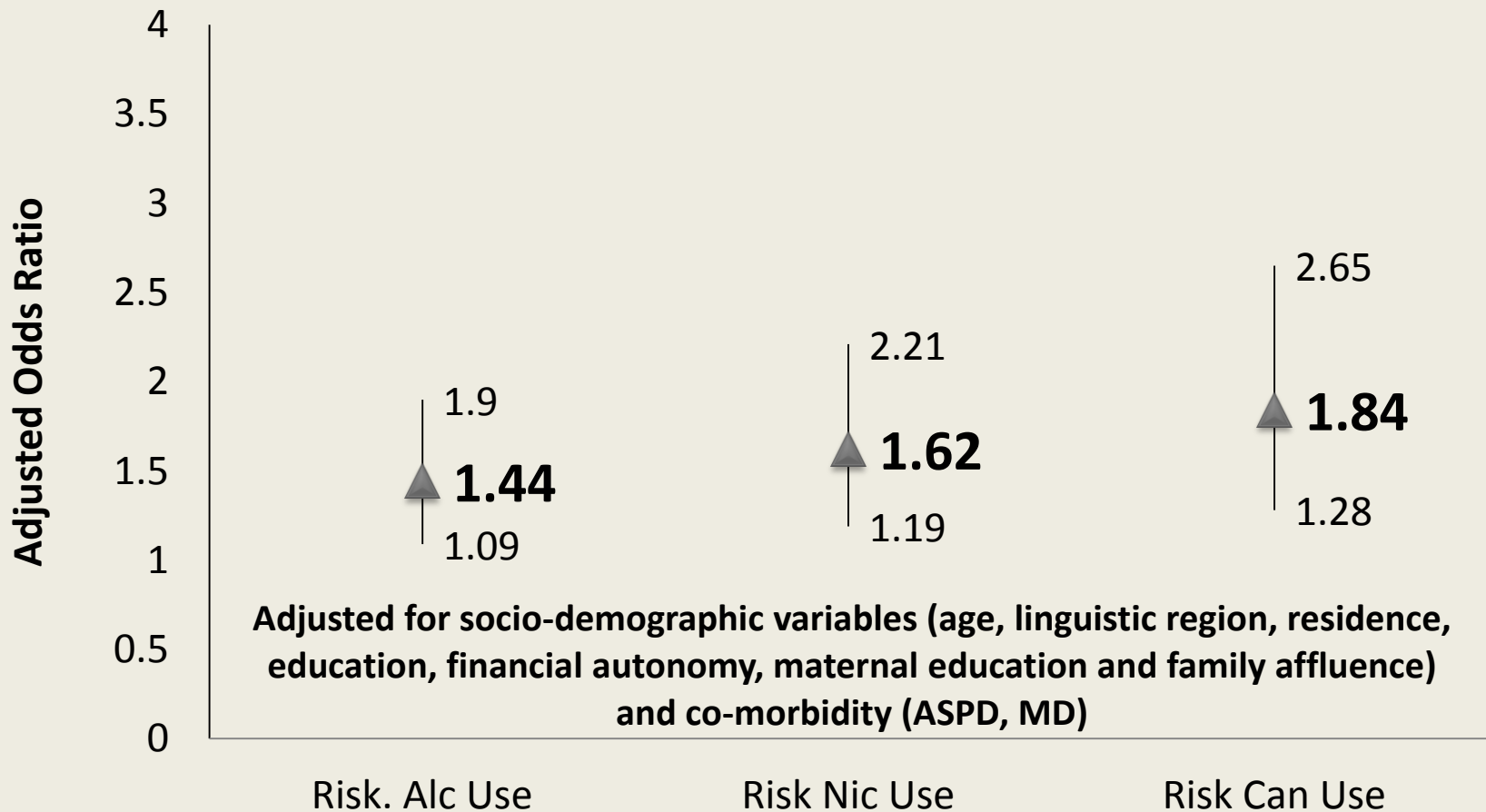
Tobacco use



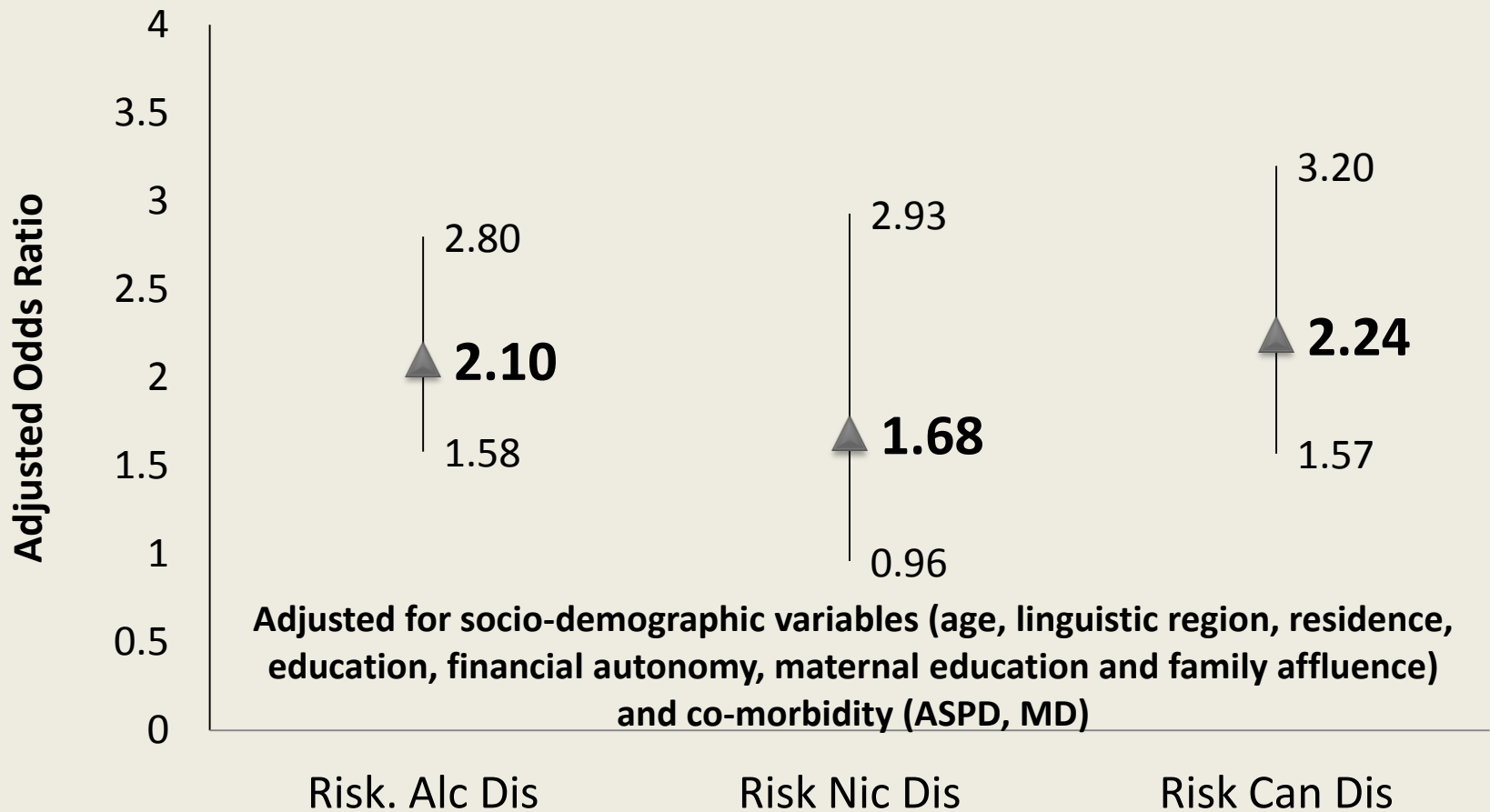
Cannabis and other illicit drugs



ADHD and Risky Substance Use



ADHD and Substance Use Disorder



Conclusion

- Adult ADHD is common among young Swiss men
- ADHD was associated with risky use of licit and illicit substances, substance use disorders and the use of tobacco, cannabis and other illicit drugs
- Prevention among men affected by ADHD may be crucial to reduce substance use