

Additional File 5 Overview of measures for Healthy Controls

Healthy Controls		
	Construct	Measure
Screening	In-/Exclusion criteria	Clinical Information
	General psychopathology	BSCL
	Substance use	DUDIT
	Alcohol Use	AUDIT, AUD-S
Measurement	Demographics	Demographics
	Behavioral Inhibition - / Behavioral Approach System	BIS / BAS
	Impulsivity	I-8
	Sensation seeking	NISS
	Attention Deficit and Hyperactivity Disorder	ASRS-V1.1
	Antisocial Personality traits	ASPD
	Quality of life	WHOQOL-BREF
	Stress and Coping	SCI
	Alcohol expectancies	CAEQ
	Craving	OCDS-G
	Implicit association towards alcohol	IAT
	Inhibition (action restraint)	GNG
	Inhibition (action cancellation)	SST
	(only EEG group)	Emotion & Emotion Regulation
(only EEG group)	Alcohol use	HDL

Legend: The screening verifies in- and exclusion criteria, whereas the measurement qualifies the concepts of interest. The Emo-Check and HDL are only assessed in the EEG group. BSCL: Brief Symptom Check List; DUDIT: Drug Use Identification Test; AUDIT: Alcohol Use Disorders Identification Test; AUD-S: Alcohol Use Disorders Scale; BIS / BAS: Behavioral Inhibition System / Behavioral Approach System Scale; I-8: Scale for Impulsive Behavior; NISS: Need Inventory of Sensation Seeking; ASRS-V1.1: ADHD Self Report Scale; ASPD: Antisocial Personality Disorder; WHOQOL-BREF: WHO Quality of Life Scale; SCI: Stress and Coping Inventory; CAEQ: Comprehensive Alcohol Expectancy Questionnaire; OCDS-G: Obsessive Compulsive Drinking Scale; HDL: Health and Daily Living Form; IAT: Implicit Association Test; GNG: Go-NoGo Task; SST: Stop-Signal Task.