



The aim of my thesis: the research questions

- Is adolescent cannabis use associated with subsequent...
-severe suicide attempts and suicide?
- ...bipolar disorder?
- ...MDD and anxiety disorders? (my supervisor Dr. Antti Mustonen as the 1st author)
- Also planning to write a paper on possible interactions between adolescent cannabis use and different YSR subscales regarding psychiatric outcomes yet to be determined









- In all to our knowledge only 9 prospective longitudinal studies concerning the association between cannabis use and onset of manic symptoms or bipolar disorder have been published utilizing samples non-bipolar subjects
- 4 longitudinal studies using samples of adolescents or young adults (Duffy et al., Marwaha et al. 2018, Ratheesh et al., Tijssen et al)
- two utilized small high-risk samples and had bipolar disorder as primary outocme
- two studies utilizing general-population based samples had hypomania (Marwaha et al. 2018) and manic symptoms (Tijssen et al. 2010) as their primary outcome measures
- Only one study (Marwaha et al. 2018) utilized a birth cohort sample, the Avon Longitudinal Study of Parents and Children (ALSPAC).



Study (year)	Sample	Sample size	Follow up (years)	Predictor	Outcome (n, %)	Assessment measure	Point estimate	95 % Confidence	Substance use	
								intervals	covariates	
Duffy et al. (2012)	Canada -	211	5.2 (mean)	DSM-IV SUD (n =50)	Bipolar disorder (35,	DSM-IV/KSADS-PL	aHR 3.40	Not reported	N/A	
	Ottawa/Halifax;				16.58 %)					
	One parent with Type									
	1 BD									
	100									
Marwaha et al. (2018)	UK-ALSPAC	3370	5	CU at least 2-3 x	Hypomania (243, 7.2	HCL-32	aOR 2.21	1.49-3.28	Other drug/hazardous	
				weekly	%)				alcohol use	
Ratheesh et al. (2017)	Australia - Highrisk	52	1	CUD	Bipolar disorder	DSMJV	upadiOR 1.7	0.7-18.1	N/A	
Rameesher u. (2017)	-Feiselsessels	02		000		201111	onadjon 1.7	0.0 10.1		
	clinicalsample									
Tilizzon et al. (2010)	Cormany/Munich	542	0.2	5.4	Mania numptomr	CIDI	20P 4 24	1 49 19 74	Alcoholuro	
njissen er dr. (2010)	Germany/Munich-	040	0.0		wanasympions	GIDI	UUN 4.20	1.42-12./0	Alcohol use	
	EDSP			kertaa						





- 15-16-year follow up of NFBC 1986; N = 6325; exclusion criteria: psychiatric disorder at baseline, nonresponders to cannabis question
- Exposure: four-class cannabis variable
- Outcome: anxiety disorders (F40-44) and depression (F32.0-F33.9, F34.1, F38.10)
- Potential covariates assessed: sex, family structure, parental education, parental psychiatric diagnosis, frequent alcohol intoxications during last year and lifetime illicit drug use, daily smoking & YSR int/ext assessed separately
- Choice of covariates as in aforemention studies, Cox-regression modeling

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