

## Data supplement

**Table DS1** Crude and adjusted odds ratios (95% confidence intervals) for suicide or possible suicide in years 1–15 and years 16–33 of follow-up, in relation to cannabis use and use of other drugs

	Follow-up years 1–15				Follow-up years 16–33			
	Cases, <i>n</i> (%)		OR (95% CI)		Cases, <i>n</i> (%)		OR (95% CI)	
			Crude	Adjusted <sup>a</sup>			Crude	Adjusted <sup>a</sup>
<b>Cannabis use</b>								
None	37016	181 (0.5%)	1	1	215 (0.6%)	1	1	
Ever use	4630	45 (1.0%)	2.00 (1.44–2.78) <i>P</i> <0.001	0.87 (0.56–1.34) <i>P</i> =0.524	35 (0.8%)	1.31 (0.92–1.88) <i>P</i> =0.140	0.89 (0.58–1.38) <i>P</i> =0.614	
<b>Frequency of use</b>								
None	37016	181 (0.5%)	1	1	215 (0.6%)	1	1	
1–10 times	2501	15 (0.6%)	1.23 (0.73–2.09)	0.78 (0.44–1.37)	21 (0.8%)	1.45 (0.93–2.28)	1.08 (0.67–1.75)	
11–50 times	588	3 (0.5%)	1.05 (0.33–3.28)	0.42 (0.13–1.41)	5 (0.9%)	1.47 (0.60–3.58)	0.86 (0.33–2.24)	
>50 times	583	17 (2.9%)	6.12 (3.70–10.13)	1.59 (0.78–3.25)	4 (0.7%)	1.21 (0.45–3.27)	0.55 (0.18–1.68)	
LRT for frequency of use	40166	216 (0.5%)	$\chi^2=32.0$ , d.f.=3, <i>P</i> <0.001	$\chi^2=6.8$ , d.f.=3, <i>P</i> =0.078	245 (0.6%)	$\chi^2=3.0$ , d.f.=3, <i>P</i> =0.388	$\chi^2=1.6$ , d.f.=3, <i>P</i> =0.670	

a. Adjusted for problematic behaviour during childhood, psychological adjustment, social relations, parental psychotropic medication, alcohol, smoking, psychiatric diagnosis at time of conscription, IQ and use of other drugs; LRT, likelihood ratio test.

**Table DS2** Crude and adjusted odds ratios (95% confidence intervals) of suicide or possible suicide for frequency of cannabis use (linear trend), stratified by age of first use of cannabis

	Participants, <i>n</i>	Cases, <i>n</i> (%)	OR (95% CI)	
			Crude	Adjusted <sup>a</sup>
First use age ≤ 16				
None	37016	316 (1.1%)	1	1
1–10 times	861	15 (1.7%)	1.64 (0.97–2.76)	1.16 (0.68–1.99)
11–50 times	279	6 (2.2%)	2.03 (0.90–4.59)	1.05 (0.44–2.51)
>50 times	354	12 (3.4%)	3.24 (1.81–5.82)	1.06 (0.51–2.19)
LRT for frequency of use	38510	429 (1.1%)	$\chi^2 = 16.2$ , d.f. = 3, $P = 0.001$	$\chi^2 = 0.3$ , d.f. = 3, $P = 0.960$
First use age > 16				
None	37016	316 (1.1%)	1	1
1–10 times	1476	16 (1.1%)	1.01 (0.61–1.68)	0.69 (0.41–1.15)
11–50 times	270	2 (0.7%)	0.69 (0.17–2.78)	0.30 (0.07–1.24)
>50 times	158	6 (3.8%)	3.65 (1.60–8.30)	1.27 (0.51–3.13)
LRT for frequency of use	38920	420 (1.1%)	$\chi^2 = 7.0$ , d.f. = 3, $P = 0.072$	$\chi^2 = 6.5$ , d.f. = 3, $P = 0.090$

LRT, likelihood ratio test.  
a. Adjusted for alcohol consumption, problematic behaviour during childhood, psychological adjustment, social relations, parental psychotropic medication, smoking, other drug use, psychiatric diagnosis at time of conscription and IQ. There are fewer participants who used cannabis in Table DS2 compared with Table 2 owing to missing data on age at first use of cannabis.