

TABLE S1. Baseline characteristics of initial cohort of 50 373 Swedish males 18–20 years old at conscription (1969–1970)

Confounder	Level of cannabis use						
	Never N (%)	Once N (%)	2–4 times N (%)	5–10 times N (%)	11–50 times N (%)	>50 times N (%)	Missing N (%)
Contact with juvenile authorities							
Never	30333 (74)	628 (56)	779 (52)	369 (43)	272 (37)	202 (23)	2717 (67)
Sometimes	9344 (23)	413 (36)	545 (37)	350 (41)	310 (42)	354 (40)	953 (23)
Several times	973 (2)	76 (7)	134 (9)	133 (15)	140 (19)	304 (35)	202 (5)
Missing	550 (1)	11 (1)	27 (2)	12 (1)	13 (2)	18 (2)	211 (5)
Run away from home							
Never	40002 (97)	1043 (92.4)	1329 (89.6)	754 (87.3)	595 (81)	611 (69.5)	3704 (90.7)
Once	676 (1.5)	58 (5.2)	100 (6.7)	71 (8.2)	76 (10.3)	136 (15.5)	114 (2.7)
Two or more times	196 (0.5)	18 (1.6)	40 (2.7)	32 (3.7)	53 (7.2)	105 (12)	64 (1.6)
Missing	326 (1)	9 (0.8)	16 (1)	7 (0.8)	11 (1.5)	26 (3)	201 (5)
Truancy							
Occasionally	23782 (57.7)	456 (40.5)	530 (36)	282 (33)	197 (27)	180 (20.5)	2058 (50.4)
Once per term	9852 (24)	347 (31)	405 (27.4)	204 (24)	188 (25)	149 (17)	977 (24)
Once a month	4991 (12.1)	240 (21)	390 (26)	265 (31)	213 (29)	291 (33)	587 (14.4)
Once a week	1117 (2.7)	68 (6)	136 (9)	100 (11)	122 (17)	237 (27)	189 (4.6)
Missing	1458 (3.5)	17 (1.5)	24 (1.6)	13 (1)	15 (2)	21 (2.5)	272 (6.6)
Solvent abuse							
Never	37023 (90)	761 (67.7)	896 (60)	451 (52)	350 (48)	338 (38.5)	2956 (72)
Once	2510 (6)	237 (21)	285 (19)	157 (18)	105 (14)	138 (16)	271 (7)
2–10 times	1072 (2.6)	91 (8)	202 (14)	157 (18)	153 (21)	169 (19)	168 (4)
>10 times	343 (0.8)	35 (3)	89 (6)	87 (10)	116 (16)	220 (25)	69 (2)
Missing	252 (0.6)	4 (0.3)	13 (1)	12 (2)	11 (1)	13 (1.5)	619 (15)

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TABLE S1. Continued

Confounder	Level of cannabis use						Missing N (%)
	Never N (%)	Once N (%)	2–4 times N (%)	5–10 times N (%)	11–50 times N (%)	>50 times N (%)	
Risky use of alcohol							
None	39509 (96)	1027 (91)	1286 (87)	699 (81)	571 (78)	629 (72)	3821 (94)
Risky use of alcohol	1691 (4)	101 (9)	199 (13)	165 (19)	164 (22)	249 (28)	262 (6)
Psychiatric diagnosis at conscription							
None	38716 (94)	1020 (90)	1283 (86)	722 (84)	553 (75)	635 (72)	3692 (90)
Any	2484 (6)	108 (10)	202 (14)	142 (16)	182 (25)	243 (28)	391 (10)
Parents divorced							
No	36655 (89)	940 (83)	1188 (80)	673 (78)	609 (75)	609 (70)	3439 (84)
Yes	3863 (9)	168 (15)	270 (18)	177 (20)	239 (22)	239 (27)	410 (10)
Missing	682 (2)	20 (2)	27 (2)	14 (2)	22 (3)	30 (3)	234 (6)
Use of other drugs at conscription							
Never use	41191 (99.9)	1110 (98.4)	1286 (86.6)	594 (68.7)	355 (48.3)	143 (16.3)	3629 (88.8)
Ever use	9 (0.1)	18 (1.6)	199 (13.4)	270 (31.3)	380 (51.7)	735 (83.7)	445 (11)
Missing	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	9 (0.2)
Smoking							
Nonsmoking	18427 (45)	205 (18)	218 (15)	104 (12)	84 (12)	61 (7)	1375 (34)
1–5 cigarettes/day	4694 (11.5)	121 (11)	172 (11.5)	67 (7.7)	45 (6)	56 (6.4)	410 (10)
6–10 cigarettes/day	8337 (20)	298 (26)	359 (24)	221 (25.5)	164 (22)	192 (22)	713 (17)
11–20 cigarettes/day	8391 (20)	425 (38)	612 (41)	387 (45)	347 (47)	406 (46)	806 (20)
>20 cigarettes/Day	1141 (3)	72 (6.4)	112 (7.5)	74 (8.5)	81 (11)	149 (17)	165 (4)
Missing	210 (0.5)	7 (0.6)	12 (1)	11 (1.3)	14 (2)	14 (1.6)	614 (15)

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TABLE S1. Continued

Confounder	Level of cannabis use						
	Never N (%)	Once N (%)	2–4 times N (%)	5–10 times N (%)	11–50 times N (%)	>50 times N (%)	Missing N (%)
Use of intravenous drugs							
Never	41198 (99.9)	1123 (99.5)	1457 (98.1)	821 (95)	649 (88)	572 (65)	3940 (96)
Once	1 (0.05)	3 (0.3)	22 (1.5)	22 (2.5)	51 (7)	71 (8)	98 (2.5)
Several times	1 (0.05)	2 (0.2)	6 (0.4)	21 (2.5)	35 (5)	235 (27)	32 (1)
Missing	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	13 (0.5)

TABLE S2. Causes of death in the cohort by reported cannabis use

Cause of death	Total no. of deaths	Level of cannabis use							
		Never		Once to 50 times			>50 times		
		N	(%)	N	(%)	p*	N	(%)	p**
Infections	47	37	(1)	3	(0.7)	0.4	7	(3.6)	<0.01
Cancer	1033	892	(27.3)	99	(21)	<0.01	42	(21.9)	0.1
Endocrine	78	67	(2)	7	(1.5)	0.6	4	(2.0)	0.8
Nervous system	98	87	(2.6)	10	(2)	0.6	1	(0.5)	-
Cardiovascular	590	504	(15.4)	67	(14.5)	0.6	19	(9.9)	0.03
Cerebrovascular	150	131	(4)	14	(3)	0.3	5	(2.6)	0.4
Respiratory	116	96	(2.9)	14	(3)	0.8	6	(3.1)	0.8
Gastrointestinal	214	160	(4.9)	37	(8)	0.05	17	(8.9)	0.06
Injuries/accidents	487	393	(12)	76	(17)	<0.01	18	(9.4)	0.3
Suicide	496	422	(13)	52	(11.3)	0.3	22	(11.5)	0.6
Injury undetermined whether accidentally or purposely inflicted	143	101	(3)	23	(5)	0.03	19	(9.9)	<0.01
Other causes	466	377	(11.5)	58	(13)	0.5	31	(16.2)	0.06

*Never users versus moderate users (1 to 50 times).

**Never users versus heavy users (>50 times).

TABLE S3. Overall mortality among subjects reporting ever use versus never use of cannabis

		All subjects		Excluding subjects with a history of tobacco smoking		Excluding subjects with a history of risky use of alcohol		Excluding subjects with a history of tobacco smoking and risky use of alcohol	
		No of deaths	HR	No of deaths	HR	No of deaths	HR	No of deaths	HR
Total no of persons									
Never users	40359	3267	1	1079	1	3037	1	1042	1
Ever users	5016	651	1.6 (1.5–1.8)	61	1.6 (1.2–2.0)	475	1.5 (1.3–1.6)	51	1.4 (1.1–1.9)