

Appendix 1. Incidence rates of first hospital admission/first visit to inpatient/outpatient care due to AUD among youths, between 2009 and 2016. N = 485 839.

Labour market attachment	N	AUD	Core workforce	Education	Insecure workforce	NEET
			IR 95% CI	IR 95% CI	IR 95% CI	IR 95% CI
			155.5 (147.9–163.4)	127.9 (121.2–135.1)	217.7 (207.1–228.7)	171.8 (148.3–198.9)
<i>Core workforce</i>	166 817	1 547				
<i>Education</i>	177 464	1 338				
<i>Insecure workforce</i>	123 917	1 561				
<i>NEET</i>	17 641	178				
Origin						
<i>Native Swedish</i>	375 667	3 478	149.8 (141.7–158.4)	123.8 (116.3–131.9)	214.1 (202.1–226.9)	185.0 (155.8–219.6)
<i>Migrants' offspring</i>	73 202	835	205.7 (181.6–233.0)	143.3 (126.3–162.5)	262.7 (235.2–293.5)	173.9 (124.3–243.4)
<i>Youth migrant</i>	36 804	310	128.9 (101.3–164.1)	134.9 (113.1–160.8)	164.9 (136.4–199.3)	98.7 (57.3–169.9)
Sex						
<i>Male</i>	248 390	2 581	167.6 (157.7–178.2)	136.1 (125.6–147.4)	236.2 (220.8–252.7)	218.6 (181.7–263.1)
<i>Female</i>	237 449	2 043	136.1 (124.9–148.3)	122.1 (113.5–131.2)	199.4 (185.3–214.5)	125.9 (99.0–160.4)
Age* (years)						
<i>19</i>	414 106	3 577	142.5 (134.6–150.7)	118.7 (111.9–125.9)	198.6 (187.5–210.5)	149.6 (124.9–179.1)
<i>20</i>	55 653	802	221.7 (196.5–250.3)	215.9 (187.4–248.7)	291.5 (260.7–326.1)	230.9 (169.9–313.6)
<i>21</i>	10 882	158	256.7 (198.4–331.9)	181.4 (122.6–268.4)	273.2 (214.3–348.4)	223.4 (120.2–415.2)
<i>22</i>	3 505	50	210.7 (124.8–355.8)	143.9 (68.6–302.1)	381.4 (265.1–548.9)	231.6 (86.9–617.5)
<i>23</i>	1 108	20	226.1 (94.1–543.3)	109.3 (27.3–437.1)	379.7 (197.6–729.8)	844.3 (316.9–2 249.5)
<i>24</i>	585	13	418.5 (174.2–1 005.5)	256.9 (64.2–1 027.2)	483.1 (201.1–1 160.7)	359.2 (50.6–2 549.7)
Domicile						
<i>Large cities</i>	157 456	2 039	229.9 (213.7–247.5)	160.8 (148.9–173.7)	283.0 (262.5–306.1)	275.6 (219.1–346.6)
<i>Medium-sized towns</i>	236 275	1 937	123.6 (113.3–134.9)	103.7 (94.9–113.3)	197.5 (181.8–214.4)	176.9 (137.6–227.4)
<i>Smaller towns/rural areas</i>	79 449	613	117.6 (105.5–131.2)	118.6 (103.1–136.5)	176.5 (158.4–196.7)	167.8 (122.1–293.9)

Age* (Completed secondary education). AUD: Alcohol use disorder; CI: Confidence interval; IR: Incidence rate per 100.000 person years; N: Population; NEET: Not in Education, Employment, or Training.

Appendix 2. Cox regression models for first hospital admission/first visit to inpatient/outpatient care due to AUD, by domicile of residence among youths (male and female) between 2009 and 2016. N = 94 700.

Labour market attachment	N	AUD	HR 95% CI, Model 1	HR 95% CI, Model 2
a) Large cities				
<i>Core workforce</i>	51 766	716	ref	ref
<i>Education</i>	67 431	646	0.74 (0.66–0.83)	0.75 (0.67–0.84)
<i>Insecure workforce</i>	39 051	652	1.23 (1.11–1.37)	1.24 (1.12–1.39)
<i>NEET</i>	4 316	73	1.17 (0.92–1.49)	1.20 (0.94–1.53)
b) Medium-sized towns				
<i>Core workforce</i>	67 088	500	ref	ref
<i>Education</i>	79 802	491	0.86 (0.76–0.98)	0.87 (0.77–0.99)
<i>Insecure workforce</i>	48 711	565	1.56 (1.38–1.76)	1.57 (1.39–1.78)
<i>NEET</i>	5 692	61	1.38 (1.05–1.79)	1.39 (1.06–1.81)
c) Smaller towns/rural areas				
<i>Core workforce</i>	45 748	324	ref	ref
<i>Education</i>	27 820	195	1.08 (0.90–1.29)	1.07 (0.89–1.29)
<i>Insecure workforce</i>	31 743	327	1.49 (1.27–1.74)	1.48 (1.27–1.73)
<i>NEET</i>	3 736	38	1.36 (0.97–1.90)	1.36 (0.96–1.89)

AUD: Alcohol use disorder; CI: Confidence interval; HR: Hazard ratio; N: Population; NEET: Not in Education, Employment, or Training.

Model 1: adjusted for sex and age

Model 2: adjusted fo