

# THE LANCET Psychiatry

## Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Fazel S, Wolf A, Palm C, Lichtenstein P. Violent crime, suicide, and premature mortality in patients with schizophrenia and related disorders: a 38-year total population study in Sweden. *Lancet Psychiatry* 2014; **1**: 44–54.

**Appendix table 1: Descriptive data for risk factors for unaffected siblings**

	<b>Men (n=13,577)</b>	<b>Women (n=12,780)</b>
<b>SOCIOECONOMIC FACTORS</b>		
Income in lowest tertile	3,109 (22.9%)	3,262 (25.5%)
Born abroad	1,599 (11.8%)	1,581 (12.4%)
<b>PARENTAL FACTORS BEFORE MATCHING</b>		
Alcohol or drug use disorders	300 (2.2%)	295 (2.3%)
Any offence	663 (4.9%)	672 (5.3%)
Violent offence	246 (1.8%)	243 (1.9%)
Suicide	255 (1.9%)	225 (1.8%)
Psychiatric diagnosis	801 (5.9%)	810 (6.3%)
Born abroad	2,521 (18.6%)	2,458 (19.2%)
<b>INDIVIDUAL FACTORS BEFORE MATCHING</b>		
Alcohol use disorders	345 (2.5%)	144 (1.1%)
Drug use disorders	214 (1.6%)	106 (0.8%)
Alcohol offence	1,207 (8.9%)	115 (0.9%)
Drug offence	759 (5.6%)	151 (1.2%)
Alcohol or drug medication	24 (0.2%)	7 (0.1%)
Any offence	3,949 (29.1%)	1,059 (8.3%)
Violent offence	1,344 (9.9%)	167 (1.3%)
Non-violent offence	3,703 (27.3%)	998 (7.8%)
Self-harm	266 (2.0%)	422 (3.3%)
IQ* – high (7-9)	2,291 (21.9%)	NA
- medium (4-6)	5,224 (38.5%)	NA
- low (1-3)	2,945 (21.7%)	NA
Birth complications	282 (9.3%)	238 (8.4%)

Data are n (%), unless otherwise indicated. IQ=intelligence quotient. NA=not available. Data for birth complications were available for a sample of 10,540 men and 9,948 women. \*IQ data were available for 10,460 men.

**Appendix table 2: Descriptive data for risk factors for general population controls**

	<b>Men (n=292,420)</b>	<b>Women (n=193,520)</b>
<b>SOCIOECONOMIC FACTORS</b>		
Income in lowest tertile	82,900 (28.3%)	58,471 (30.2%)
Born abroad	53,806 (18.4%)	35,626 (18.4%)
Single	174,325 (59.6%)	96,145 (49.7%)
<b>PARENTAL FACTORS BEFORE MATCHING</b>		
Alcohol or drug use disorders	9,744 (3.3%)	6,579 (3.4%)
Any offence	13,536 (4.6%)	8,931 (4.6%)
Violent offence	3,975 (1.4%)	2,574 (1.3%)
Suicide	3,138 (1.1%)	2,180 (1.1%)
Psychiatric diagnosis	12,996 (4.4%)	8,871 (4.6%)
Born abroad	21,104 (7.2%)	13,797 (7.1%)
<b>INDIVIDUAL FACTORS BEFORE MATCHING</b>		
Alcohol use disorders	2,834 (1.0%)	1,156 (0.6%)
Drug use disorders	1,570 (0.5%)	755 (0.4%)
Alcohol offence	2,809 (1.0%)	289 (0.1%)
Drug offence	2,670 (0.9%)	469 (0.2%)
Alcohol or drug medication	242 (0.1%)	78 (0.04%)
Any offence	54,633 (18.7%)	9,644 (5.0%)
Violent offence	14,452 (4.9%)	1,090 (0.6%)
Non-violent offence	50,775 (17.4%)	9,159 (4.7%)
Self-harm	3,133 (1.1%)	3,071 (1.6%)
IQ* – high (7-9)	49,682 (17.0%)	---
- medium (4-6)	113,339 (54.9%)	---
- low (1-3)	43,455 (21.0%)	---
Birth complications	6,365 (8.3%)	3,781 (8.5%)

Data are n (%), unless otherwise indicated. IQ=intelligence quotient. NA=not available. Data on birth complications were available for a sample of 76,427 men and 44,418 women. \*IQ data were available for 206,476 men.

**Appendix table 3: Risk factors for violent offence in patients with schizophrenia and related disorders, unaffected siblings, and general population controls**

	<b>Schizophrenia and related disorders</b>	<b>Unaffected siblings</b>	<b>General population</b>
	<b>HR (95% CI)</b>	<b>HR (95% CI)</b>	<b>HR (95% CI)</b>
<b>SOCIOECONOMIC FACTORS</b>			
<b>Sex</b>			
- male	<b>3.3 (3.0-3.6)</b>	<b>6.3 (5.3-7.6)</b>	<b>7.8 (7.2-8.5)</b>
<b>Low income</b>			
- male	<b>1.4 (1.3-1.5)</b>	<b>1.6 (1.4-1.9)</b>	<b>1.7 (1.7-1.8)</b>
- female	<b>1.4 (1.2-1.7)</b>	<b>2.1 (1.5-3.0)</b>	<b>2.1 (1.8-2.5)</b>
<b>Born abroad</b>			
- male	<b>1.7 (1.5-1.8)</b>	<b>2.4 (2.0-2.8)</b>	<b>2.1 (2.0-2.2)</b>
- female	<b>1.4 (1.2-1.7)</b>	<b>1.8 (1.1-2.7)</b>	<b>2.0 (1.7-2.4)</b>
<b>Single</b>			
- male	1.0 (0.9-1.1)	n/a	1.0 (0.9-1.0)
- female	1.0 (0.8-1.2)	n/a	0.9 (0.8-1.1)
<b>PARENTAL FACTORS BEFORE DIAGNOSIS/MATCHING</b>			
<b>Alcohol or drug use disorders</b>			
- male	<b>1.8 (1.5-2.1)</b>	<b>1.6 (1.1-2.4)</b>	<b>2.5 (2.3-2.7)</b>
- female	<b>1.9 (1.4-2.7)</b>	<b>3.1 (1.5-6.2)</b>	<b>3.1 (2.4-4.0)</b>
<b>Any offence</b>			
- male	<b>1.3 (1.1-1.6)</b>	<b>1.4 (1.1-1.9)</b>	<b>1.7 (1.6-1.9)</b>
- female	<b>1.5 (1.1-2.0)</b>	1.7 (0.9-3.3)	<b>2.2 (1.7-2.9)</b>
<b>Violent offence</b>			
- male	<b>2.1 (1.8-2.6)</b>	<b>2.7 (1.9-3.8)</b>	<b>3.5 (3.1-3.9)</b>
- female	<b>2.0 (1.3-3.1)</b>	<b>3.9 (1.9-8.1)</b>	<b>4.7 (3.4-6.5)</b>
<b>Suicide</b>			
- male	1.3 (1.0-1.7)	<b>1.9 (1.3-2.8)</b>	<b>1.7 (1.4-2.0)</b>
- female	1.6 (1.0-2.6)	2.0 (0.7-5.3)	<b>1.8 (1.1-3.1)</b>
<b>Psychiatric diagnosis</b>			
- male	1.1 (1.0-1.3)	1.2 (0.9-1.6)	<b>1.6 (1.5-1.8)</b>
- female	<b>1.4 (1.1-1.9)</b>	<b>2.0 (1.2-3.5)</b>	<b>2.0 (1.5-2.6)</b>
<b>Born abroad</b>			
- male	<b>1.4 (1.3-1.6)</b>	<b>2.3 (2.0-2.6)</b>	<b>2.2 (2.0-2.3)</b>
- female	<b>1.3 (1.0-1.7)</b>	<b>2.0 (1.4-2.9)</b>	<b>1.8 (1.4-2.3)</b>
<b>INDIVIDUAL FACTORS BEFORE DIAGNOSIS/MATCHING</b>			
<b>Alcohol use disorders</b>			
- male	<b>2.6 (2.3-2.9)</b>	<b>7.4 (5.9-9.3)</b>	<b>9.0 (8.2-9.9)</b>
- female	<b>4.5 (3.4-6.0)</b>	<b>21.3 (12.7-35.6)</b>	<b>19.8 (14.6-26.7)</b>

<b>Drug use disorders</b>			
- male	<b>3.1 (2.8-3.5)</b>	<b>10.4 (8.1-13.4)</b>	<b>16.2 (14.6-17.9)</b>
- female	<b>5.1 (4.1-6.5)</b>	<b>23.4 (13.4-41.1)</b>	<b>36.0 (27.0-48.0)</b>
<b>Alcohol offence</b>			
- male	<b>2.8 (2.5-3.0)</b>	<b>5.2 (4.5-6.1)</b>	<b>16.7 (15.6-17.9)</b>
- female	<b>4.7 (3.3-6.7)</b>	<b>10.7 (5.6-20.5)</b>	<b>39.5 (27.4-56.8)</b>
<b>Drug offence</b>			
- male	<b>3.8 (3.5-4.1)</b>	<b>8.7 (7.4-10.2)</b>	<b>19.4 (18.1-20.8)</b>
- female	<b>6.2 (4.8-8.0)</b>	<b>28.6 (18.2-45.1)</b>	<b>51.6 (39.6-67.2)</b>
<b>Alcohol or drug medication</b>			
- male	1.2 (0.7-2.1)	3.7 (0.5-26.2)	<b>11.2 (7.1-17.9)</b>
- female	1.2 (0.2-8.8)	---	---
<b>Any offence</b>			
- male	<b>3.8 (3.5-4.1)</b>	<b>6.7 (5.8-7.7)</b>	<b>7.0 (6.7-7.3)</b>
- female	<b>5.0 (4.2-6.0)</b>	<b>12.7 (9.0-17.8)</b>	<b>13.9 (11.9-16.2)</b>
<b>Violent offence</b>			
- male	<b>4.3 (4.0-4.7)</b>	<b>9.9 (8.6-11.4)</b>	<b>11.6 (11.1-12.2)</b>
- female	<b>7.7 (6.2-9.6)</b>	<b>24.5 (15.5-38.6)</b>	<b>33.8 (27.0-42.2)</b>
<b>Non-violent offence</b>			
- male	<b>3.5 (3.2-3.8)</b>	<b>6.1 (5.3-7.0)</b>	<b>6.5 (6.3-6.8)</b>
- female	<b>4.9 (4.1-5.8)</b>	<b>12.2 (8.7-17.2)</b>	<b>12.8 (11.0-15.0)</b>
<b>Self-harm</b>			
- male	<b>1.8 (1.6-2.1)</b>	<b>5.8 (4.3-7.6)</b>	<b>5.7 (5.2-6.4)</b>
- female	<b>1.5 (1.2-1.9)</b>	<b>10.2 (6.8-15.5)</b>	<b>8.5 (6.6-10.9)</b>
<b>IQ (men only)</b>			
high (7-9)	<b>1.0 (ref)</b>	<b>1.0 (ref)</b>	<b>1.0 (ref)</b>
medium (4-6)	<b>1.4 (1.2-1.8)</b>	<b>2.3 (1.7-3.1)</b>	<b>2.9 (2.6-3.3)</b>
low (1-3)	<b>1.8 (1.5-2.2)</b>	<b>5.2 (3.8-7.0)</b>	<b>7.6 (6.8-8.4)</b>
<b>Birth complications</b>			
- male	1.0 (0.7-1.3)	<b>1.7 (1.0-2.8)</b>	1.0 (0.8-1.2)
- female	0.6 (0.3-1.6)	2.8 (0.9-8.3)	1.1 (0.6-2.1)

Hazard ratios (HR) and 95% confidence intervals (CI) significant to  $p < 0.05$  level are in **bold**. Adjusted for age at diagnosis.

**Appendix table 4: Risk factors for suicide in patients with schizophrenia and related disorders, unaffected siblings, and general population controls**

	Schizophrenia and related disorders	Unaffected siblings	General population
	HR (95% CI)	HR (95% CI)	HR (95% CI)
<b>SOCIOECONOMIC FACTORS</b>			
<b>Sex</b>			
- male	<b>1.5 (1.3-1.8)</b>	<b>2.1 (1.5-2.9)</b>	<b>2.8 (2.3-3.3)</b>
<b>Low income</b>			
- male	1.0 (0.9-1.2)	<b>1.7 (1.2-2.5)</b>	<b>1.4 (1.2-1.6)</b>
- female	1.3 (1.0-1.7)	1.3 (0.8-2.3)	<b>1.6 (1.1-2.1)</b>
<b>Born abroad</b>			
- male	<b>0.8 (0.6-0.9)</b>	0.5 (0.2-1.1)	<b>0.6 (0.4-0.8)</b>
- female	0.8 (0.6-1.1)	0.4 (0.1-1.4)	1.2 (0.8-1.9)
<b>single</b>			
- male	<b>0.5 (0.4-0.6)</b>	n/a	1.0 (0.8-1.1)
- female	<b>0.6 (0.5-0.8)</b>	n/a	1.0 (0.7-1.3)
<b>PARENTAL FACTORS BEFORE DIAGNOSIS/MATCHING</b>			
<b>Alcohol or drug use disorders</b>			
- male	1.2 (0.9-1.7)	2.1 (0.9-5.3)	<b>2.4 (1.8-3.2)</b>
- female	1.2 (0.7-2.1)	0.9 (0.1-6.3)	<b>3.9 (2.4-6.4)</b>
<b>Any offence</b>			
- male	0.8 (0.6-1.2)	1.2 (0.5-2.8)	<b>1.6 (1.2-2.1)</b>
- female	1.0 (0.6-1.7)	1.3 (0.4-4.3)	<b>2.0 (1.2-3.6)</b>
<b>Violent offence</b>			
- male	<b>0.4 (0.2-0.9)</b>	1.1 (0.3-4.5)	<b>2.2 (1.3-3.5)</b>
- female	0.6 (0.2-1.6)	---	<b>3.0 (1.2-7.4)</b>
<b>Suicide</b>			
- male	<b>1.8 (1.1-2.7)</b>	2.4 (1.0-5.9)	<b>2.5 (1.6-3.9)</b>
- female	<b>1.9 (1.0-3.6)</b>	2.2 (0.5-8.9)	<b>3.1 (1.4-7.1)</b>
<b>Psychiatric diagnosis</b>			
- male	1.0 (0.7-1.3)	1.5 (0.8-2.9)	<b>2.4 (1.8-3.1)</b>
- female	1.4 (1.0-2.1)	---	<b>2.1 (1.2-3.7)</b>
<b>Born abroad</b>			
- male	1.0 (0.8-1.3)	1.2 (0.7-1.9)	1.3 (0.9-1.7)
- female	0.7 (0.5-1.1)	1.1 (0.6-2.2)	<b>2.0 (1.2-3.3)</b>
<b>INDIVIDUAL FACTORS BEFORE DIAGNOSIS/MATCHING</b>			
<b>Alcohol use disorders</b>			
- male	<b>1.5 (1.2-2.1)</b>	<b>9.1 (5.4-15.2)</b>	<b>8.1 (5.8-11.4)</b>
- female	<b>2.3 (1.4-3.8)</b>	<b>8.0 (2.5-25.7)</b>	<b>15.9 (7.8-32.5)</b>

<b>Drug use disorders</b>			
- male	<b>1.7 (1.3-2.1)</b>	<b>20.3 (12.7-32.4)</b>	<b>17.3 (12.6-23.7)</b>
- female	<b>1.8 (1.2-2.8)</b>	3.3 (0.5-24.1)	<b>24.0 (12.2-47.3)</b>
<b>Alcohol offence</b>			
- male	<b>1.5 (1.2-1.9)</b>	<b>3.6 (2.4-5.4)</b>	<b>10.5 (8.2-13.4)</b>
- female	1.4 (0.6-3.2)	2.0 (0.3-14.4)	<b>8.4 (2.1-33.9)</b>
<b>Drug offence</b>			
- male	<b>1.3 (1.0-1.6)</b>	<b>8.3 (5.6-12.4)</b>	<b>11.5 (8.9-14.8)</b>
- female	1.6 (0.9-2.8)	<b>5.6 (1.7-18.0)</b>	<b>25.6 (13.0-50.2)</b>
<b>Alcohol or drug medication</b>			
- male	1.3 (0.4-4.2)	32.1 (4.3-241.5)	<b>8.4 (1.2-60.1)</b>
- female	<b>7.7 (2.4-24.4)</b>	---	<b>80.9 (10.9-598.4)</b>
<b>Any offence</b>			
- male	<b>1.5 (1.3-1.8)</b>	<b>3.1 (2.2-4.5)</b>	<b>3.6 (3.1-4.2)</b>
- female	<b>1.6 (1.1-2.1)</b>	<b>2.3 (1.1-4.9)</b>	<b>4.6 (3.1-6.9)</b>
<b>Violent offence</b>			
- male	<b>1.5 (1.2-1.8)</b>	<b>3.8 (2.6-5.8)</b>	<b>4.2 (3.4-5.1)</b>
- female	1.2 (0.7-2.1)	1.9 (0.3-13.4)	<b>10.9 (5.4-22.3)</b>
<b>Non-violent offence</b>			
- male	<b>1.5 (1.3-1.8)</b>	<b>3.4 (2.4-4.9)</b>	<b>3.8 (3.3-4.5)</b>
- female	<b>1.5 (1.1-2.1)</b>	<b>2.5 (1.2-5.2)</b>	<b>4.4 (2.9-6.7)</b>
<b>Self-harm</b>			
- male	<b>2.2 (1.8-2.7)</b>	<b>9.3 (5.3-16.5)</b>	<b>7.1 (5.2-9.8)</b>
- female	<b>2.3 (1.7-3.0)</b>	<b>9.7 (5.1-18.5)</b>	<b>13.4 (8.7-20.7)</b>
<b>IQ (men only)</b>			
high (7-9)	1.0 (ref)	<b>1.0 (ref)</b>	<b>1.0 (ref)</b>
medium (4-6)	0.9 (0.7-1.2)	1.2 (0.7-2.3)	<b>1.5 (1.1-1.9)</b>
low (1-3)	0.8 (0.6-1.0)	<b>2.0 (1.1-3.8)</b>	<b>2.6 (2.0-3.4)</b>
<b>Birth complications</b>			
- male	1.2 (0.7-2.2)	3.2 (0.9-11.8)	1.3 (0.7-2.5)
- female	1.4 (0.6-3.2)	---	---

Hazard ratios (HR) and 95% confidence intervals (CI) significant to p<0.05 level are in **bold**. Adjusted for age at diagnosis.

**Appendix table 5: Risk factors for premature mortality in patients with schizophrenia and related disorders, unaffected siblings, and general population controls**

	<b>Schizophrenia and related disorders</b>	<b>Unaffected siblings</b>	<b>General population</b>
	<b>HR (95% CI)</b>	<b>HR (95% CI)</b>	<b>HR (95% CI)</b>
<b>SOCIOECONOMIC FACTORS</b>			
<b>Sex</b>			
- male	<b>1.6 (1.4-1.8)</b>	<b>2.0 (1.7-2.4)</b>	<b>1.7 (1.6-1.8)</b>
<b>Low income</b>			
- male	1.1 (1.0-1.2)	<b>1.3 (1.1-1.6)</b>	<b>1.3 (1.2-1.4)</b>
- female	<b>1.3 (1.1-1.5)</b>	1.2 (0.9-1.6)	<b>1.2 (1.1-1.3)</b>
<b>Born abroad</b>			
- male	<b>0.9 (0.7-1.0)</b>	1.1 (0.8-1.5)	1.1 (0.9-1.2)
- female	0.8 (0.6-1.0)	0.7 (0.4-1.2)	<b>1.3 (1.1-1.5)</b>
<b>single</b>			
- male	<b>0.6 (0.6-0.7)</b>	n/a	0.9 (0.9-1.0)
- female	<b>0.7 (0.6-0.9)</b>	n/a	1.1 (1.0-1.2)
<b>PARENTAL FACTORS BEFORE DIAGNOSIS/MATCHING</b>			
<b>Alcohol or drug use disorders</b>			
- male	1.3 (1.0-1.6)	1.5 (0.8-2.7)	<b>1.9 (1.6-2.2)</b>
- female	1.3 (0.8-1.9)	1.4 (0.6-3.3)	<b>1.4 (1.0-1.8)</b>
<b>Any offence</b>			
- male	0.9 (0.7-1.2)	1.1 (0.6-1.7)	<b>1.4 (1.2-1.7)</b>
- female	1.1 (0.8-1.6)	1.0 (0.5-2.1)	1.2 (0.9-1.6)
<b>Violent offence</b>			
- male	<b>0.4 (0.2-0.7)</b>	1.4 (0.7-3.1)	<b>2.1 (1.6-2.6)</b>
- female	0.6 (0.3-1.3)	0.5 (0.1-3.3)	1.1 (0.6-1.9)
<b>Suicide</b>			
- male	1.4 (1.0-2.0)	<b>1.5 (0.8-2.7)</b>	<b>1.7 (1.3-2.2)</b>
- female	<b>1.7 (1.0-2.8)</b>	0.9 (0.3-2.8)	1.2 (0.8-1.9)
<b>Psychiatric diagnosis</b>			
- male	1.0 (0.8-1.3)	1.6 (1.1-2.3)	<b>1.6 (1.4-1.9)</b>
- female	1.3 (0.9-1.7)	0.7 (0.3-1.5)	1.0 (0.7-1.3)
<b>Born abroad</b>			
- male	1.1 (0.9-1.3)	<b>1.4 (1.1-1.8)</b>	<b>1.4 (1.3-1.7)</b>
- female	0.9 (0.7-1.3)	0.9 (0.6-1.4)	<b>1.4 (1.1-1.8)</b>
<b>INDIVIDUAL FACTORS BEFORE DIAGNOSIS/MATCHING</b>			
<b>Alcohol use disorders</b>			
- male	<b>1.9 (1.6-2.4)</b>	<b>6.4 (4.7-8.6)</b>	<b>7.7 (6.6-9.1)</b>
- female	<b>2.4 (1.7-3.4)</b>	<b>8.6 (4.5-16.3)</b>	<b>9.9 (7.1-13.7)</b>



<b>Drug use disorders</b>			
- male	<b>1.9 (1.6-2.3)</b>	<b>11.8 (8.7-16.0)</b>	<b>13.9 (11.8-16.4)</b>
- female	<b>2.5 (1.9-3.4)</b>	<b>4.1 (1.5-11.1)</b>	<b>9.9 (6.9-14.2)</b>
<b>Alcohol offence</b>			
- male	<b>1.7 (1.5-2.0)</b>	<b>3.1 (2.5-3.9)</b>	<b>8.2 (7.2-9.3)</b>
- female	1.6 (0.9-2.8)	2.4 (0.9-6.4)	<b>6.4 (3.7-11.1)</b>
<b>Drug offence</b>			
- male	<b>1.8 (1.5-2.0)</b>	<b>5.4 (4.3-6.9)</b>	<b>10.9 (9.6-12.3)</b>
- female	<b>2.1 (1.5-3.1)</b>	<b>4.1 (2.0-8.4)</b>	<b>10.9 (7.6-15.5)</b>
<b>Alcohol or drug medication</b>			
- male	0.8 (0.3-2.4)	7.7 (1.1-56.0)	<b>6.4 (2.4-17.2)</b>
- female	<b>4.5 (1.4-14.2)</b>	---	<b>14.7 (3.6-59.0)</b>
<b>Any offence</b>			
- male	<b>1.7 (1.5-1.9)</b>	<b>2.6 (2.2-3.2)</b>	<b>2.9 (2.7-3.1)</b>
- female	<b>1.7 (1.3-2.1)</b>	<b>3.1 (2.1-4.5)</b>	<b>2.7 (2.2-3.2)</b>
<b>Violent offence</b>			
- male	<b>1.6 (1.4-1.8)</b>	<b>3.8 (3.0-4.7)</b>	<b>3.9 (3.6-4.3)</b>
- female	<b>1.8 (1.3-2.6)</b>	<b>4.8 (2.3-9.7)</b>	<b>4.2 (2.8-6.3)</b>
<b>Non-violent offence</b>			
- male	<b>1.7 (1.5-1.9)</b>	<b>2.7 (2.3-3.3)</b>	<b>3.0 (2.8-3.2)</b>
- female	<b>1.7 (1.3-2.1)</b>	<b>2.9 (1.9-4.3)</b>	<b>2.7 (2.3-3.3)</b>
<b>Self-harm</b>			
- male	<b>1.9 (1.6-2.2)</b>	<b>5.5 (3.8-7.9)</b>	<b>4.2 (3.4-5.0)</b>
- female	<b>2.1 (1.7-2.6)</b>	<b>5.3 (3.4-8.1)</b>	<b>4.3 (3.3-5.5)</b>
<b>IQ (men only)</b>			
high (7-9)	1.0 (ref)	<b>1.0 (ref)</b>	<b>1.0 (ref)</b>
medium (4-6)	1.1 (0.8-1.3)	1.4 (1.0-2.1)	<b>1.4 (1.2-1.6)</b>
low (1-3)	1.0 (0.8-1.2)	<b>2.4 (1.7-3.5)</b>	<b>2.3 (2.0-2.7)</b>
<b>Birth complications</b>			
- male	<b>1.9 (1.2-2.9)</b>	<b>6.1 (3.0-12.6)</b>	1.2 (0.8-1.7)
- female	1.3 (0.6-2.8)	---	1.0 (0.5-2.1)

Hazard ratios (HR) and 95% confidence intervals (CI) significant to p<0.05 level are in **bold**. Adjusted for age at diagnosis.

**Appendix table 6: Adjusted odds ratios of adverse outcomes in patients with schizophrenia and related disorders compared with general population controls, by age group.**

Age at diagnosis	Violent offence aOR (95% CI)	Suicide aOR (95% CI)	Premature mortality aOR (95% CI)
<25 (n=7,965)	5.9 (5.5-6.3)	19.8 (16.9-23.1)	8.1 (7.2-9.0)
25-34 (n=10,155)	8.7 (8.1-9.3)	22.2 (19.2-25.8)	8.9 (8.1-9.8)
35-44 (n=5153)	9.4 (8.2-10.7)	19.0 (14.2-25.4)	6.5 (5.6-7.6)
45-54 (n=1,024)	6.0 (3.6-10.1)	13.8 (3.9-49.5)	4.4 (2.7-7.3)

General population controls are matched by age and sex. aOR = odds ratios, adjusted for low family income and being born abroad.

**Appendix table 7: Adjusted odds ratios of adverse outcomes in patients with schizophrenia and related disorders compared with general population controls, by year of diagnosis**

	First diagnosis before 2001 aOR (95% CI)	First diagnosis in or after 2001 aOR (95% CI)	Statistical difference between aORs
Violence	7.3 (6.9-7.7)	7.9 (7.3-8.7)	p=0.115
Suicide	20.2 (18.0-22.6)	23.2 (18.5-29.2)	p=0.275
Premature mortality	8.2 (7.7-8.8)	7.6 (6.6-8.7)	p=0.210

General population controls are matched by age and sex. aOR = odds ratios, adjusted for low family income and being born abroad.

**Appendix table 8: Adjusted odds ratios of adverse outcomes in patients with schizophrenia and related disorders compared with general population controls, by diagnostic group (ICD-9 and ICD-10 only)**

	Schizophrenia aOR (95% CI)	Other non- affective psychoses aOR (95% CI)	Statistical difference between aORs
Violence	7.1 (6.7-7.6)	7.7 (7.2-8.2)	p=0.083
Suicide	21.3 (17.8-25.5)	22.0 (19.2-25.2)	p=0.776
Premature mortality	8.3 (7.4-9.3)	8.2 (7.5-8.9)	p=0.858

General population controls are matched by age and sex. aOR = odds ratios, adjusted for low family income and being born abroad.

**Appendix table 9: Effects of year of diagnosis and annual inpatient nights on ratio of odds ratios of adverse outcomes**

<b>% increases in ratio of odds ratios, by calendar year</b>		
	Unadjusted (as in paper)	Substance abuse <u>adjusted</u>
Violence	1.1% (0.1% to 2.2%)	1.0% (-0.2% to 2.1%)
Suicide	1.7% (-0.9% to 4.3%)	1.7% (-1.0 to 4.4%)
Premature mortality	0.2% (-1.3% to 1.6%)	0.3% (-1.2% to 1.8%)
<b>% increases in ratio of odds ratios, by 1,000,000 fewer inpatient nights per year</b>		
	Unadjusted (as in paper)	Substance abuse <u>adjusted</u>
Violence	5.6% (2.6% to 8.4%)	5.0% (1.9% to 7.9%)
Suicide	5.5% (-1.3% to 11.8%)	5.6% (-1.4% to 12.1%)
Premature mortality	3.4% (-0.6% to 7.2%)	3.6% (-0.4 to 7.5%)

The ratio of odds ratios measures changes in rates of adverse outcomes in patients with schizophrenia and related disorders compared with unaffected siblings.