

Table S1. Risk of various outcomes in sex-reassigned subjects in Sweden compared to population controls matched for birth year and *birth sex*.

Outcome	No. of events (male-to- female/female- to-male)	Crude hazard ratio (95% CI)			Adjusted* hazard ratio (95% CI)		
		All sex- reassignment persons (N=324)	Male-to- female only (N=191)	Female-to- male only (N=133)	All sex- reassignment persons (N=324)	Male-to- female only (N=191)	Female-to- male only (N=133)
Any death	27 (17/10)	2.9 (1.9-4.5)	2.6 (1.5-4.5)	3.7 (1.8-7.7)	2.8 (1.8-4.3)	2.4 (1.4-4.1)	3.8 (1.8-7.9)
Death by suicide	10 (6/4)	19.1 (6.5-55.9)	13.9 (3.9-49.6)	40.0 (4.5-357.9)	N/A	N/A	N/A
Death by cardiovascular disease	9 (6/3)	2.6 (1.2-5.4)	2.3 (0.9-5.7)	3.2 (0.9-11.9)	N/A	N/A	N/A
Death by neoplasm	8 (4/4)	2.1 (1.0-4.6)	1.7 (0.6-4.9)	2.8 (0.9-8.5)	N/A	N/A	N/A
Any psychiatric hospitalisation‡	64 (43/21)	4.2 (3.1-5.6)	4.1 (3.2-5.2)	4.1 (3.2-5.2)	3.2 (2.1-4.9)	3.2 (2.1-4.9)	2.2 (1.3-4.0)
Substance misuse	22 (14/8)	3.0 (1.9-4.9)	2.1 (1.6-2.8)	2.1 (1.6-2.8)	1.5 (0.7-3.1)	1.5 (0.7-3.1)	2.3 (0.9-5.8)
Suicide attempt	29 (22/7)	7.6 (4.7-12.4)	15.1 (7.9-28.1)	15.1 (7.9-28.1)	10.4 (4.9-22.1)	10.4 (4.9-22.1)	1.9 (0.7-4.8)
Any accident	32 (19/13)	1.6 (1.1-2.3)	1.1 (0.9-2.2)	1.1 (1.0-3.4)	1.3 (1.0-2.1)	1.2 (0.7-2.0)	1.8 (1.0-3.3)
Any crime	60 (33/27)	1.9 (1.4-2.5)	1.2 (0.8-1.7)	5.6 (3.5-9.1)	1.3 (1.0-1.8)	0.8 (0.5-1.2)	4.1 (2.5-6.9)
Violent crime	14 (8/6)	2.7 (1.5-4.9)	1.8 (0.8-3.7)	9.9 (3.2-30.7)	1.5 (0.8-3.0)	0.8 (0.3-2.1)	7.2 (2.1-24.4)

**COMPARED TO
NORMAL MEN: NO
DIFFERENCE IN THE
RATE OF CRIME,
INCLUDING VIOLENT
CRIME.**

Notes: N/A Not applicable due to sparse data. *Adjusted for immigrant status and psychiatric morbidity up to baseline. ‡ Hospitalisations for gender identity disorder were excluded.

Table S2. Risk of various outcomes in sex-reassigned individuals in Sweden compared to controls matched for birth year and *final sex*.

Outcome	No. of events (male-to- female/male-to- male)	Crude hazard ratio (95% CI)			Adjusted* hazard ratio (95% CI)		
		All sex- reassigned subjects (N=324)	Male-to- female only (N=191)	Female-to- male only (N=133)	All sex-reassigned subjects (N=324)	Male-to-female only (N=191)	Female-to-male only (N=133)
Any death	27 (17/10)	3.2 (2.1-5.0)	4.5 (2.5-8.0)	2.2 (1.1-4.3)	2.9 (1.8-4.6)	4.2 (2.3-7.7)	2.2 (1.1-4.6)
Death from suicide	10 (6/4)	12.1 (4.8-30.8)	60.0 (7.2-498.4)	5.4 (1.6-18.6)	N/A	N/A	N/A
Death from cardiovascular disease	9 (6/3)	3.8 (1.7-8.2)	6.8 (2.3-19.6)	2.0 (0.6-6.9)	N/A	N/A	N/A
Death from neoplasm	8 (4/4)	2.6 (1.2-5.6)	2.1 (0.7-6.1)	3.2 (1.1-9.3)	N/A	N/A	N/A
Any psychiatric hospitalisation‡	64 (43/21)	4.3 (3.2-5.8)	5.1 (3.7-7.0)	5.1 (3.7-7.0)	3.7 (2.4-5.6)	3.7 (2.4-5.6)	2.1 (1.1-3.8)
Substance misuse	22 (14/8)	4.3 (2.6-7.1)	6.1 (3.2-11.4)	6.1 (3.2-11.4)	2.8 (1.2-6.4)	2.8 (1.2-6.4)	2.1 (0.7-6.0)
Suicide attempt	29 (22/7)	8.4 (5.1-13.8)	10.1 (5.9-17.1)	10.1 (5.9-17.1)	9.3 (4.4-19.9)	9.3 (4.4-19.9)	6.8 (2.1-21.6)
Any accident	32 (19/13)	1.4 (1.0-2.1)	1.1 (1.1-2.8)	1.1 (0.6-2.1)	1.6 (0.8-1.8)	1.5 (0.9-2.6)	0.9 (0.5-1.8)
Any crime	60 (33/27)	2.1 (1.6-2.8)	7.4 (4.7-11.7)	1.1 (0.8-1.7)	1.6 (1.2-2.2)	6.6 (4.1-10.8)	0.7 (0.5-1.1)
Violent crime	14 (8/6)	2.3 (1.3-4.1)	20.0 (6.0-66.4)	1.1 (0.5-2.4)	1.7 (0.9-3.1)	18.1 (5.4-61.2)	0.6 (0.2-1.6)

**COMPARED TO REAL
WOMEN: NEARLY
7 TIMES THE RATE OF
CRIME. MORE THAN
18 TIMES THE RATE OF
VIOLENT CRIME.**

Notes: N/A Not applicable due to sparse data. *Adjusted for immigrant status and psychiatric morbidity up to baseline. ‡ Hospitalisations for gender identity disorder were excluded.

