

Table 1: Association between traumatic experiences and first-ever diagnosis of non-affective psychotic disorder (NAPD) and post-traumatic stress disorder (PTSD)

Traumatic Events	Model 1(forced) Adjusted for calendar year age, sex & age*sex interaction				Model 2 (full) Adjusted forced + complement of confounder variables ^b			
Outcome: Non affective Psychotic Disorders (NAPD)								
A) Number of Non-interpersonal TE								
	IRR	P Value	95% C.I.		IRR	P Value	95% C.I.	
1	1.57	< 0.0001	1.50	1.64	1.27	<0.0001	1.21	1.32
2	2.52	<0.0001	2.26	2.81	1.74	<0.0001	1.54	1.93
3 or more	2.54	<0.0001	1.90	3.38	1.70	<0.0001	1.27	2.26
Rate Ratio Linear Trend	1.54	<0.0001	1.49	1.59	1.27	<0.0001	1.23	1.31
# Interpersonal TE								
1	4.14	<0.0001	3.71	4.61	2.64	<0.0001	2.36	2.94
2	6.84	<0.0001	5.03	9.30	3.81	<0.0001	2.80	5.17
3 or more	11.68	<0.0001	7.45	18.33	6.19	<0.0001	3.95	9.71
Rate Ratio Linear Trend	2.95	<0.0001	2.76	3.16	2.17	<0.0001	2.02	2.33
Outcome: Post traumatic Stress Disorder (PTSD)								
B) Number of Non-interpersonal TE								
1	1.72	< 0.0001	1.63	1.81	1.43	<0.0001	1.36	1.51
2	3.04	<0.0001	2.69	3.42	2.20	<0.0001	1.94	2.47
3 or more	5.03	<0.0001	3.87	6.54	3.41	<0.0001	2.62	4.44
Rate Ratio Linear Trend	1.71	<0.0001	1.65	1.77	1.45	<0.0001	1.39	1.50
# Interpersonal TE								
1	9.22	<0.0001	8.28	10.27	5.64	<0.0001	5.06	6.29
2	21.09	<0.0001	16.08	27.64	10.66	<0.0001	8.13	13.98
3 or more	19.50	<0.0001	11.31	33.60	9.92	<0.0001	5.76	17.11
Rate Ratio Linear Trend	4.73	<0.0001	4.45	5.03	3.43	<0.0001	3.21	3.66

^bFull Model: adjusted for age, sex (& their interaction), calendar period, paternal lifetime history of NAPD, Depressive disorders and Bipolar-Disorder, socioeconomic status, paternal age at conception, compulsory school education attainment, second generation migrant status. This model is mutually adjusted for interpersonal and non-interpersonal TEs.

Table 2: Associations between post-traumatic stress disorder (PTSD)/Acute Stress Reaction (ASR) and first-ever diagnosis of non-affective psychotic disorder (NAPD)

a.								
Diagnostic Group	Model 1 (forced) adjusted for calendar year, age, sex & age *sex interaction				Model 2 (Full) ^b Adjusted as forced model1 + full complement of confounder variables ^b			
	IRR	P Value	95% C.I.		IRR	P Value	95% C.I.	
PTSD	14.83	<0.0001	13.31	16.53	8.06	<0.0001	7.23	8.99
Lagged 1 YEAR					6.91	<0.0001	6.08	7.85
Lagged 2 YEAR					6.17	<0.0001	5.32	7.15
Lagged 3 YEAR					5.46	<0.0001	4.58	6.49
Lagged 4 YEAR					5.20	<0.0001	4.26	6.35
Lagged 5 YEAR					4.62	<0.0001	3.65	5.87
b.								
ASR	9.02	<0.0001	8.44	9.64	5.63	<0.0001	5.27	6.02
Lagged 1 YEAR					4.50	<0.0001	4.11	4.81
Lagged 2 YEAR					4.07	<0.0001	3.73	4.45
Lagged 3 YEAR					3.87	<0.0001	3.50	4.26
Lagged 4 YEAR					3.79	<0.0001	3.39	4.22
Lagged 5 YEAR					3.68	<0.0001	3.26	4.16

Full Model: adjusted for age, sex (& their interaction), calendar period, paternal lifetime history of NAPD, Depressive disorders and Bipolar-Disorder, socioeconomic status, paternal. age at conception, compulsory school education attainment, second generation migrant status

Table 3: Mediation of the association between interpersonal TE and NAPD by PTSD

	IRR	Bootstrap SE	Percentile C.I.
Total effect*	2.42	0.05	2.18, 2.66
Natural direct effect**	2.62	0.09	2.18, 3.10
Natural indirect effect	0.92	0.07	0.80, 1.07

* adjusted for age, sex (& their interaction), calendar period, paternal lifetime history of NAPD, Depressive disorders & Bipolar-Disorder, socioeconomic status, paternal. age at conception, compulsory school education attainment, second generation migrant status; **Obtained by applying the inverse odds weights with full complement of adjustments described