Table DS1. Elaboration of the effect of history with severe mental illness on risk of all-cause mortality among Finnish men and women in 1990-2013 (people without history of mental illness used as a reference group)

		Model I		Model II		Model III		Model IV	
		HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI
Men	Substance misuse	1.67	1.64-1.70	1.67	1.63-1.70	1.60	1.57-1.63	1.60	1.57-1.63
	Psychosis	1.78	1.73-1.84	1.78	1.72-1.83	1.63	1.58-1.68	1.63	1.58-1.69
	Mood disorder	1.22	1.17-1.26	1.22	1.17-1.27	1.19	1.15-1.24	1.19	1.15-1.24
	Generalised R^2	*0.4065*		*0.4632*		*0.5086*		*0.5086*	
Women	Substance misuse	1.97	1.88-2.07	1.96	1.87-2.05	1.90	1.81-1.99	1.90	1.81-1.94
	Psychosis	1.79	1.74-1.84	1.76	1.71-1.81	1.67	1.62-1.72	1.67	1.62-1.71
	Mood disorder	1.26	1.22-1.30	1.26	1.22-1.30	1.24	1.20-1.28	1.24	1.20-1.28
	Generalised R^2	*0.4464*		*0.4981*		*0.5344*		*0.5345*	

Model I: controlling for age, year and cancer type
Model II: Model I + stage at presentation
Model III: Model II + cancer treatment
Model IV: Model III + comorbidities (Charlson's index)