

Online supplement

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	Table of Contents	
Table DS1.	Observed and expected number of deaths and standardized mortality ratios for all-cause mortality by number of hospitalizations.	p. 2
Table DS2.	Observed and expected number of deaths and standardized mortality ratios in the two cohorts 1987-1996, and 1997-2006, respectively.	p. 3
Table DS3.	Number of individuals, deaths and causes of death, and standardized mortality ratios (SMRs) with 95 percent CI within cluster B.	p. 4
Figure DS1	Standardized Mortality Ratios (SMRs) for number of hospitalizations for the different causes of death, all-cause mortality, natural causes, unnatural causes, and suicide for women (top) and men (bottom). Mean values \pm 95 percent confidence interval.	p. 5
Figure DS2	Observed and expected cumulative survival in women (top) and men (bottom) diagnosed with a personality disorder between 1987 and 2011.	p. 6

Table DS1. Number of cases (n), and observed (O) and expected (E) number of deaths, and standardized mortality ratios (SMRs) with 95 percent CI for all-cause mortality by number of hospitalizations for PD, other mental disorders and other somatic disorders.

Number of hospitalizations	Women					Men				
	n	%	O	E	SMR	n	%	O	E	SMR
Hospitalizations for PD										
1	6 334	46	622	117.1	5.3 (4.9-5.7)	5 188	55	894	194.9	4.6 (4.3-4.9)
2	2 276	17	275	41.8	6.6 (5.8-7.4)	1 764	19	330	66.5	5.0 (4.5-5.5)
3	1 269	9	152	23.2	6.6 (5.6-7.7)	858	9	196	32.1	6.1 (5.3-7.0)
4	748	5	77	13.5	5.7 (4.6-7.1)	502	5	97	19.5	5.0 (4.1-6.1)
5	550	4	64	8.7	7.4 (5.8-9.4)	283	3	61	10.5	5.8 (4.5-7.5)
6-10	1 263	9	168	21.7	7.7 (6.7-9.0)	631	7	130	25.0	5.2 (4.4-6.2)
11+	1 300	9	140	19.3	7.3 (6.2-8.6)	372	4	85	12.7	6.7 (5.4-8.3)
Total	13 740	100	1 498			9 358	100	1 793		
Hospitalizations for other mental disorders										
0	2 491	18	218	45.9	4.7 (4.2-5.4)	2 100	22	283	87.7	3.2 (2.9-3.6)
1	1 858	14	172	31.0	5.5 (4.8-6.4)	1 266	14	212	47.3	4.5 (3.9-5.1)
2	1 503	11	147	22.3	6.6 (5.6-7.7)	891	10	167	34.6	4.8 (4.1-5.6)
3	1 127	8	127	18.5	6.9 (5.8-8.2)	705	8	130	25.4	5.1 (4.3-6.1)
4	908	7	87	14.7	5.9 (4.8-7.3)	555	6	117	19.9	5.9 (4.9-7.0)
5	729	5	67	11.8	5.7 (4.5-7.2)	473	5	94	16.1	5.8 (4.8-7.1)
6-10	2 215	16	276	40.3	6.8 (6.1-7.7)	1 456	16	305	53.2	5.7 (5.1-6.4)
11+	2 909	21	404	60.5	6.7 (6.1-7.4)	2 152	23	485	76.9	6.3 (5.8-6.9)
Total	13 740	100	1 498			9 358	100	1 793		
Hospitalizations for other somatic disorders										
0	1 127	8	98	21.0	4.7 (3.8-5.7)	1 740	19	216	60.0	3.6 (3.2-4.1)
1	1 371	10	117	24.1	4.8 (4.0-5.8)	1 598	17	217	55.4	3.9 (3.4-4.5)
2	1 454	11	120	24.9	4.8 (4.0-5.8)	1 231	13	186	41.0	4.5 (3.9-5.2)
3	1 317	10	109	21.1	5.2 (4.3-6.2)	915	10	155	30.0	5.2 (4.4-6.1)
4	1 162	8	112	20.2	5.5 (4.6-6.7)	723	8	130	27.6	4.7 (4.0-5.6)
5	1 002	7	96	17.6	5.4 (4.5-6.6)	576	6	133	21.6	6.1 (5.2-7.3)
6-10	3 015	22	315	51.7	6.1 (5.5-6.8)	1 511	16	334	63.0	5.3 (4.8-5.9)
11+	3 292	24	531	64.6	8.2 (7.5-8.9)	1 304	14	422	62.6	6.7 (6.1-7.4)
Total	13 740	100	1 498			9 358	100	1 793		

Table DS2. Observed (O) and expected (E) number of deaths and standardized mortality ratios (SMRs) with 95 percent CI in the two cohorts 1987-1996, and 1997-2006, respectively. Both cohorts had follow-up times of 0-10 years from diagnosis.

	SMR All	Cluster A	Cluster B	Cluster C	Other
Women 1987-1996					
Total	8.1 (7.2-9.0)	3.5 (2.1-6.1)	8.6 (7.2-10.4)	2.3 (1.0-5.5)	9.3 (8.0-10.9)
Natural	3.1 (2.5-3.8)	2.1 (1.0-4.5)	3.4 (2.5-4.8)	0.5 (0.1-3.6)	3.4 (2.6-4.5)
Unnatural	30.8 (26.8-35.3)	14.8 (6.7-33.0)	29.5 (23.6-36.8)	17.7 (6.6-47.1)	34.7 (28.9-41.7)
Suicide	54.5 (46.8-63.5)	269.8 (112.3-648.2)	53.0 (41.6-67.6)	38.8 (14.6-103.5)	60.1 (49.0-73.9)
Women 1997-2006					
Total	9.6 (8.6-10.7)	7.3 (4.7-11.3)	10.9 (9.3-12.7)	9.4 (6.2-14.3)	8.7 (7.3-10.5)
Natural	3.9 (3.2-4.7)	3.3 (1.6-6.6)	3.9 (2.9-5.2)	5.4 (3.0-9.7)	3.8 (2.8-5.1)
Unnatural	37.7 (33.0-43.2)	38.8 (22.0-68.3)	39.6 (32.9-47.7)	37.9 (21.0-68.5)	35.0 (27.9-43.9)
Suicide	59.3 (50.6-69.4)	50.1 (23.9-105.1)	65.4 (53.0-80.7)	60.3 (30.2-120.7)	52.3 (39.8-68.6)
Men 1987-1996					
Total	7.1 (6.5-7.8)	5.5 (4.1-7.3)	8.5 (7.1-10.1)	2.0 (1.0-3.9)	7.6 (6.7-8.6)
Natural	3.8 (3.3-4.5)	3.6 (2.4-5.4)	4.4 (3.2-6.0)	1.2 (0.5-3.2)	4.1 (3.3-5.0)
Unnatural	15.0 (13.3-16.9)	11.6 (7.8-17.4)	15.7 (12.6-19.5)	5.4 (2.0-14.4)	16.1 (13.8-18.8)
Suicide	23.5 (20.3-27.3)	18.8 (11.5-30.6)	24.9 (19.0-32.6)	10.0 (3.2-31.1)	24.8 (20.4-30.2)
Men 1997-2006					
Total	8.4 (7.5-9.3)	6.1 (4.5-8.4)	11.3 (9.3-13.6)	5.9 (3.6-9.7)	8.0 (6.8-9.3)
Natural	4.1 (3.4-4.9)	3.2 (2.0-5.3)	4.8 (3.4-6.7)	2.3 (1.0-5.6)	4.3 (3.4-5.5)
Unnatural	20.6 (18.0-23.6)	17.4 (11.5-26.4)	25.6 (20.5-32.0)	20.3 (11.2-36.7)	18.5 (15.2-22.6)
Suicide	31.6 (26.5-37.6)	31.9 (19.5-52.1)	30.6 (22.2-42.2)	37.3 (18.7-74.6)	31.5 (24.7-40.2)

Table DS3. Number of individuals, deaths and causes of death, and standardized mortality ratios (SMRs) with 95 percent CI in cluster B and in emotionally unstable/ explosive/ borderline PD.

	All cluster B	Emotionally unstable/ explosive/borderline
Women		
Total number of individuals	6272 ¹ (100 %)	5822 (92 %)
Deaths	528	449
Natural	235	179
Unnatural	293	270
Suicide	210	196
SMRs		
Total	6.4 (5.9-7.0)	6.8 (6.2-7.5)
Natural	3.9 (3.4-4.5)	3.3 (2.8-3.8)
Unnatural	22.9 (20.4-25.7)	24.1 (21.4-27.2)
Suicide	35.1 (30.7-40.2)	37.2 (32.3-42.7)
Men		
Total number of individuals	2569 ¹ (100 %)	1902 (74 %)
Deaths	441	314
Natural	183	124
Unnatural	258	190
Suicide	134	107
SMRs		
Total	5.9 (5.4-6.5)	5.5 (5.0-6.2)
Natural	3.3 (2.9-3.8)	3.0 (2.5-3.5)
Unnatural	13.2 (11.7-14.9)	12.6 (11.0-14.6)
Suicide	16.9 (14.3-20.0)	17.5 (14.5-21.2)

¹Data are from patients treated between 1987 and 2010, who comprise 96 % of the total cohort in this paper.

Figure DS1

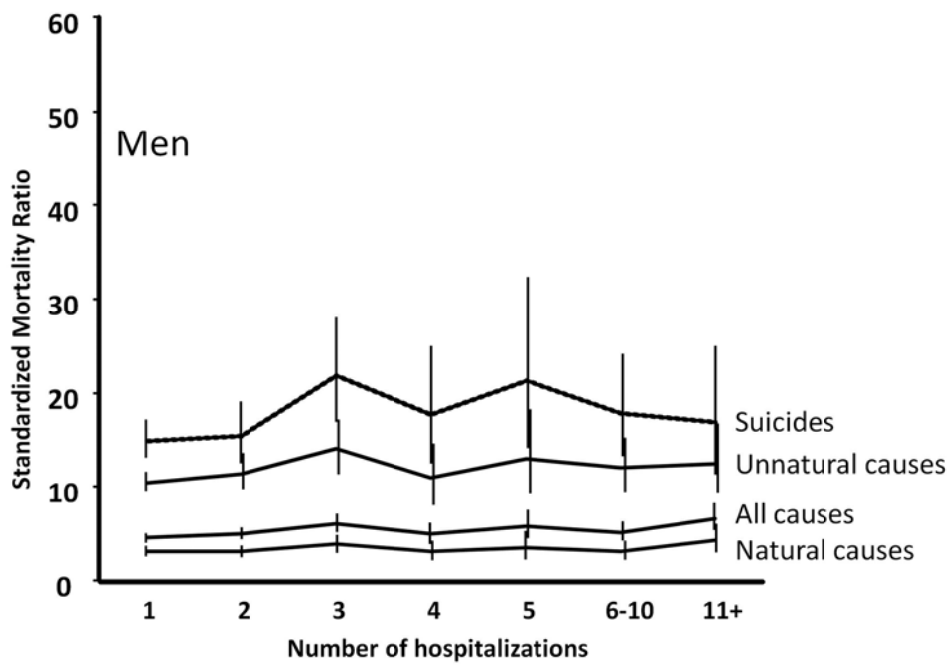
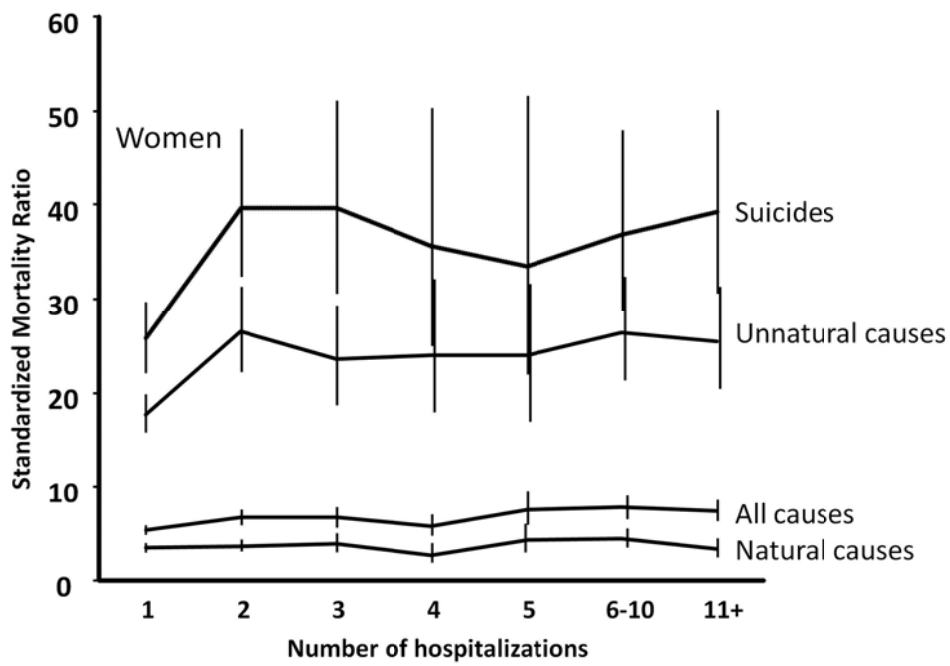


Figure DS2

