Data supplement

All in - or out-patient treated patients with a principal diagnosis of PD 2001–2012 (*n* = 40877)

Excluded (*n* = 5282)
Individuals aged <15 or >64 at time of first in-/out-patient contact (*n* = 1274)
Individuals with a hospitalization for PD before 2001 (*n* = 6407)

All with their first in- or out-patient treatment for PD 2001–2012 and aged 15–64 (*n* = 33 196)

In-patient care only or in- and out-patient care (*n* = 9946)

Out-patient care only (*n* = 23 250)

Cluster A (*n* = 520)

Cluster B (*n* = 5141)

Cluster C (*n* = 356)

Other (*n* = 3929)

Cluster A (*n* = 1390)

Cluster B (*n* = 7899)

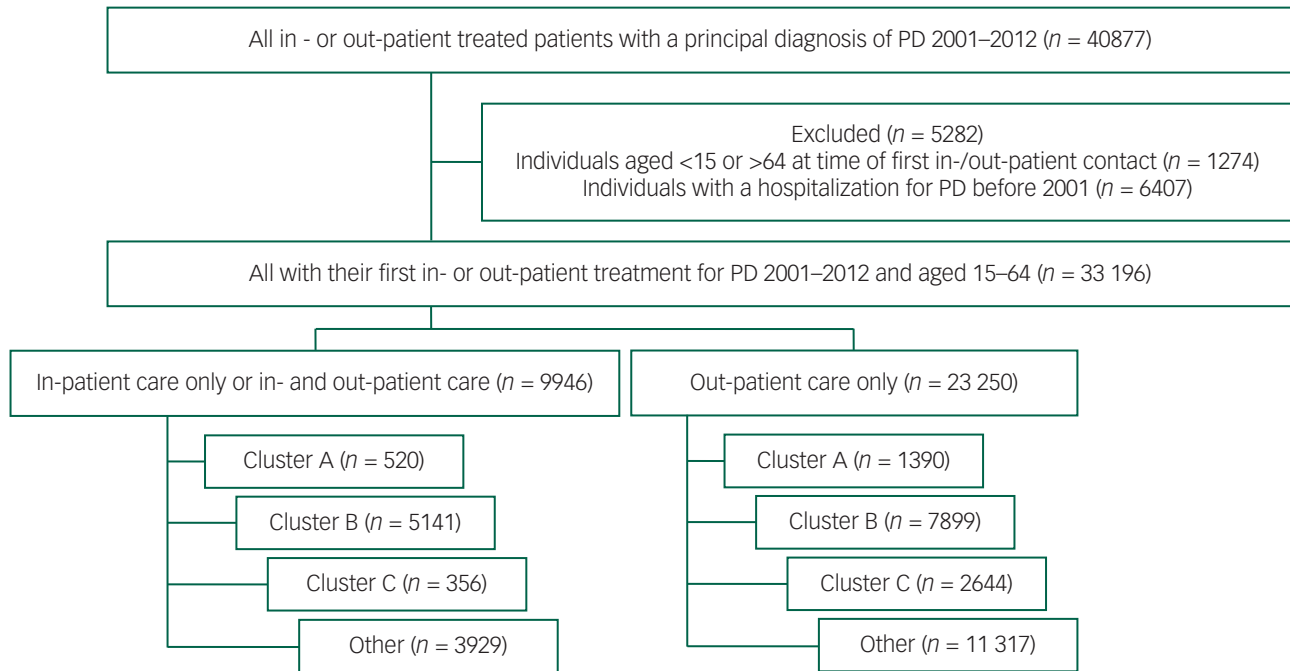Cluster C (*n* = 2644)

Other (*n* = 11 317)

Fig. DS1 Flow chart for the study population.

Table DS1 Cohort characteristics for all patients with a principal diagnosis of personality disorder between 2001 and 2012 in Sweden

	In-patient care				Out-patient care only			
	Women		Men		Women		Men	
	n	Deceased	*n*	Deceased	*n*	Deceased	*n*	Deceased
n	6839	311 (5%)	3107	310 (10%)	14 297	295 (2%)	8953	390 (4%)
Age at first contact								
15–19	1238 (18%)		166 (5%)		1333 (9%)		320 (4%)	
20–24	1967 (29%)		550 (18%)		2787 (19%)		1188 (13%)	
25–34	1800 (26%)		967 (31%)		4077 (29%)		2607 (29%)	
35–44	1027 (15%)		747 (24%)		3186 (22%)		2362 (26%)	
45–54	579 (8%)		480 (15%)		1973 (14%)		1721 (19%)	
55–64	228 (3%)		197 (6%)		941 (7%)		755 (8%)	
Diagnostic group								
Cluster A	204 (3%)	16 (5%)	316 (10%)	35 (11%)	441 (3%)	13 (4%)	949 (11%)	49 (13%)
Cluster B	4201 (61%)	169 (54%)	940 (30%)	89 (29%)	6254 (44%)	94 (32%)	1645 (18%)	67 (17%)
Cluster C	217 (3%)	10 (3%)	139 (4%)	9 (3%)	1576 (11%)	26 (9%)	1068 (12%)	37 (9%)
Other	2217 (32%)	116 (37%)	1712 (55%)	177 (57%)	6026 (42%)	162 (55%)	5291 (59%)	237 (61%)
Years from first discharge/out-patient visit to death								
<1		75 (24%)		65 (21%)		60 (20%)		79 (20%)
1–2		87 (28%)		101 (33%)		79 (27%)		117 (30%)
3–4		66 (21%)		53 (17%)		65 (22%)		86 (22%)
5–9		73 (23%)		83 (27%)		84 (28%)		104 (27%)
10+		10 (3%)		8 (3%)		7 (2%)		4 (1%)

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Table DS2 Standardised mortality ratios (SMRs) with 95% confidence intervals (CIs) for all cases and by the different clusters in women and men

	Women				Men			
	Cluster A	Cluster B	Cluster C	Other	Cluster A	Cluster B	Cluster C	Other
In-patient care								
Total	7.4 (4.5–12.0)	13.3 (11.4–15.4)	6.4 (3.4–11.9)	9.5 (7.9–11.4)	6.7 (4.8–9.3)	12.8 (10.4–15.7)	4.8 (2.5–9.2)	9.7 (8.3–11.2)
Natural	3.1 (1.4–7.0)	3.6 (2.6–5.0)	3.0 (1.1–8.0)	4.7 (3.5–6.2)	3.1 (1.8–5.3)	6.4 (4.4–9.1)	2.8 (1.0–7.4)	5.1 (4.0–6.5)
Cancer	0.9 (0.1–6.3)	1.5 (0.7–3.0)	1.3 (0.2–9.0)	1.7 (0.9–3.2)	1.9 (0.6–5.8)	4.9 (2.5–9.8)	–	1.8 (0.9–3.5)
Cardiovascular	5.8 (1.4–23.0)	6.6 (3.6–12.3)	12.9 (4.2–40.0)	9.2 (5.6–15.0)	5.6 (2.8–11.1)	6.2 (3.2–11.9)	8.2 (3.1–21.9)	5.6 (3.8–8.2)
Other	6.7 (2.2–20.9)	6.1 (3.8–10.0)	–	8.4 (5.5–12.9)	1.7 (0.4–6.8)	8.1 (4.6–14.3)	–	8.7 (6.2–12.1)
Unnatural	39.4 (21.2–73.2)	41.8 (35.3–49.4)	26.0 (11.7–58.0)	32.6 (25.7–41.2)	21.2 (13.9–32.2)	25.0 (19.4–32.1)	11.7 (4.9–28.1)	22.4 (18.6–27.1)
Suicide	62.1 (29.6–130.2)	60.0 (48.9–73.7)	28.4 (9.2–88.0)	49.3 (37.1–65.4)	34.8 (20.6–58.8)	33.6 (23.6–47.8)	17.9 (5.8–55.6)	38.7 (30.7–48.8)
Deaths with undetermined intent	30.3 (4.3–215.4)	59.2 (39.0–89.9)	68.2 (17.1–272.8)	38.7 (20.8–71.9)	26.1 (8.4–80.8)	32.2 (16.8–61.9)	–	29.1 (17.9–47.6)
Other	18.5 (4.6–73.9)	16.4 (10.8–24.9)	10.5 (1.5–74.4)	12.4 (6.9–22.4)	9.6 (4.0–23.0)	16.6 (10.7–25.8)	9.5 (2.4–37.8)	8.3 (5.4–12.9)
Out-patient care only								
Total	2.2 (1.3–3.8)	4.3 (3.5–5.3)	2.1 (1.4–3.1)	4.0 (3.4–4.7)	3.6 (2.7–4.8)	5.7 (4.5–7.2)	2.7 (2.0–3.8)	3.7 (3.3–4.2)
Natural	1.7 (0.9–3.2)	1.9 (1.3–2.6)	1.5 (0.9–2.4)	2.5 (2.0–3.1)	1.8 (1.1–2.8)	3.1 (2.1–4.5)	1.4 (0.8–2.3)	2.3 (1.9–2.8)
Cancer	0.9 (0.3–2.9)	1.1 (0.6–1.9)	1.1 (0.5–2.3)	1.6 (1.2–2.3)	1.0 (0.4–2.7)	1.0 (0.3–3.2)	1.2 (0.5–3.0)	1.3 (0.9–2.0)
Cardiovascular	4.0 (1.5–10.7)	4.1 (2.3–7.3)	–	3.8 (2.5–5.7)	1.4 (0.6–3.3)	3.4 (1.8–6.6)	1.1 (0.4–2.9)	2.4 (1.8–3.3)
Other	1.7 (0.4–6.7)	2.3 (1.2–4.2)	3.6 (1.9–6.9)	3.8 (2.7–5.4)	3.3 (1.8–6.2)	5.1 (2.9–8.7)	2.0 (0.9–4.4)	3.5 (2.7–4.6)
Unnatural	6.7 (2.5–17.8)	14.5 (11.3–18.7)	6.7 (3.6–12.4)	13.2 (10.5–16.5)	10.3 (7.2–14.8)	11.5 (8.5–15.5)	7.7 (5.1–11.7)	8.3 (7.0–9.9)
Suicide	–	6.5 (3.8–11.3)	2.9 (0.7–11.4)	5.0 (2.9–8.6)	6.3 (3.0–13.1)	13.4 (8.6–21.1)	6.3 (3.0–13.2)	7.1 (5.2–9.7)
Deaths with undetermined intent	10.0 (1.4–71.0)	22.0 (12.2–39.7)	5.0 (0.7–35.6)	16.5 (9.4–29.1)	21.8 (10.4–45.8)	14.2 (6.4–31.6)	18.9 (8.5–42.0)	12.6 (8.2–19.3)
Other	2.1 (0.7–6.5)	21.2 (15.4–29.3)	11.3 (5.4–23.7)	21.4 (16.3–28.3)	11.2 (6.9–18.3)	9.3 (5.8–15.0)	6.3 (3.3–12.1)	8.3 (6.4–10.6)