

Supplementary Material

Table SI. Raw data from the unadjusted regression analyses regarding number of attended sessions, cancellations and multidisciplinary collaborations

Outcomes	All patients (N=130)	MHD group (n=50)	Non-MHD group (n=80)	p-value
Number of attended sessions				
Physician	4 [2-8], range 0-25	5 [3-8], range 0-20	4 [2-8], range 0-25	0.522
On-call physician	2 [0-5], range 0-24	3 [1-6], range 0-14	0 [0-4], range 0-24	0.146
Psychologist	5 [3-9], range 0-41	10 [6-16], range 1-41	4 [2-6], range 0-13	<0.001***
Physiotherapist	35 [20-52], range 5-142	39 [22-52], range 8-142	34 [18-53], range 5-108	0.633
Occupational therapist	19 [9-33], range 0-105	18 [7-29], range 1-103	19 [10-35], range 0-105	0.461
Social worker	2 [1-4], range 0-20	3 [1-5], range 0-20	2 [1-3], range 0-10	0.016**
Speech therapist	0 [0-0], range 0-75	0 [0-0], range 0-47	0 [0-0], range 0-75	0.959
Clinical nutritionist	0 [0-1], range 0-12	0 [0-2], range 0-12	0 [0-1], range 0-9	0.122
Number of cancelled sessions				
Physician	0 [0-0], range 0-3	5 [3-8], range 0-20	0 [0-0], range 0-2	Descriptives only (cell count<5)
Psychologist	0 [0-1], range 0-4	0 [0-1], range 0-4	0 [0-0], range 0-2	Descriptives only (cell count<5)
Physiotherapist	1 [0-2], range 0-14	2 [0-4], range 0-14	1 [0-2], range 0-5	<0.001***
Occupational therapist	1 [0-2], range 0-14	1 [0-2], range 0-14	0 [0-2], range 0-9	0.109
Social worker	0 [0-0], range 0-3	0 [0-0], range 0-3	0 [0-0], range 0-0	Descriptives only (cell count<5)
Speech therapist	0 [0-0], range 0-11	0 [0-0], range 0-9	0 [0-0], range 0-11	Descriptives only (cell count<5)
Clinical nutritionist	0 [0-0], range 0-1	0 [0-0], range 0-1	0 [0-0], range 0-1	Descriptives only (cell count<5)
Multidisciplinary collaborations				
Internal meetings at SRH	0 [0-1], range 0-13	1 [0-2], range 0-13	0 [0-1], range 0-2	Descriptives only (cell count<5)
Contact with external partners (phones, meetings)	8 [2-14], range 0-67	11 [8-22], range 0-67	6 [2-11], range 0-25	0.001***

Values in bold indicate statistically significant *p*-values. $p \leq 0.05^*$, $p \leq 0.025^{**}$, $p < 0.001^{***}$. MHD=Mental Health Disorder; SRH=Sunnaas Rehabilitation Hospital.

Table SII. Cognitive Functional Independence Measure scores at admission and discharge, and between-group differences between patients with and without mental health disorders

FIM Cognition (items 1-5)	All patients (N=130) Median [Q1-Q3]	MHD (n=50) Median [Q1-Q3]	Non-MHD (n=80) Median [Q1-Q3]	Beta(B)	95% CI	R²	p-value
1)Understanding							
Admission	7 [6-7]	7 [6-7]	7 [6-7]	-0.183	(-0.641-0.276)	0.01	0.433
Discharge	7 [6-7]	7 [6-7]	7 [6-7]	-0.105	(-0.304-0.094)	0.01	0.298
2)Expressive ability							
Admission	7 [7-7]	7 [6-7]	7 [7-7]	-0.138	(-0.54-0.266)	0.01	0.501
Discharge	7 [6-7]	7 [7-7]	7 [7-7]	-0.148	(-0.319-0.024)	0.02	0.091
3)Social interaction							
Admission	7 [6-7]	5 [6-7]	7 [6-7]	-0.940	(-1.456--0.424)	0.09	<0.001***
Discharge	7 [6-7]	6 [6-6]	7 [7-7]	-0.965	(-1.270--0.660)	0.23	<0.001***
4)Problem-solving							
Admission	7 [5-7]	6 [5-7]	7 [6-7]	-0.578	(-1.200-0.045)	0.03	0.069
Discharge	7 [6-7]	6 [6-7]	7 [6-7]	-0.598	(-0.971--0.224)	0.07	0.002**
5)Memory							
Admission	7 [5-7]	7 [6-7]	7 [5-7]	-0.55	(-0.619-0.509)	0.00	0.847
Discharge	7 [6-7]	7 [6-7]	7 [6-7]	-0.120	(-0.456-0.216)	0.01	0.481

Values in bold indicate statistically significant *p*-values. $p \leq 0.05^*$, $p \leq 0.025^{**}$, $p < 0.001^{***}$. SRH=Sunnaas Rehabilitation Hospital; MHD=Mental Health Disorder.

Table SIII. Patients' use of analgesics at the time of admission to Sunnaas rehabilitation hospital

Use of analgesics at admission	All patients (N=130)	MHD (n=50)	Non-MHD (n=80)	Odds ratio(OR)	95% CI	p-value
Mild opioids, n (%)	17 (13%)	12 (24%)	5 (6%)	4.74	(1.56-14.43)	0.006**
Potent opioid	67 (6%)	28 (56%)	39 (49%)	1.34	(0.66-2.72)	0.421
Overall opioid use (mild and strong)	78 (60%)	35 (70%)	43 (54%)	2.01	(0.95-4.24)	0.068
Paracetamol and phenazone-caffeine	104 (80%)	40 (80%)	64 (80%)	1.00	(0.41-2.42)	1.000
NSAIDS	16 (12%)	11 (22%)	5 (6%)	4.23	(1.37-13.04)	0.012**
Other analgesics	52 (40%)	25 (40%)	27 (34%)	1.96	(0.95-4.04)	0.067
Any of the five analgesics categories	116 (89%)	45 (90%)	71 (89%)	1.14	(0.36-3.62)	0.823
Use of opioids at time of injury or illness	9 (7%)	6 (12%)	3 (4%)	1.45	(0.49-4.27)	0.505

Values in bold indicate statistically significant *p*-values. $p \leq 0.05^*$, $p \leq 0.025^{**}$, $p < 0.001^{***}$. MHD=Mental Health Disorder; NSAIDS=non-steroidal anti-inflammatory drugs.

Table SIV. Patients' use of analgesics at the time of discharge from Sunnaas rehabilitation hospital

Use of analgesics at discharge	All patients (N=130)	MHD (n=50)	Non-MHD (n=80)	Odds ratio(OR)/ Beta(B)	95% CI	p-value
Mild opioids	36 (28%)	22 (44%)	14 (18%)	3.70	(1.66-8.27)	0.001**
Potent opioid	18 (14%)	11 (22%)	7 (9%)	2.94	(1.06-8.19)	0.039*
Overall opioid use (mild and strong)	45 (35%)	27 (54%)	18 (23%)	4.04	(1.88-8.69)	< 0.001***
Paracetamol and Phenazone-Caffeine	76 (58%)	37 (74%)	39 (49%)	2.99	(1.39-6.46)	0.005**
NSAIDS	22 (17%)	14 (28%)	8 (10%)	3.50	(1.35-9.11)	0.010**
Other analgesics	55 (42%)	32 (64%)	23 (29%)	4.41	(2.07-9.36)	<0.001***
Any of the five analgesics categories	101 (78%)	47 (94%)	54 (68%)	7.54	(2.15-26.52)	0.002**
Polypharmacy, mean (SD) ^a	1.60 (1.26)	2.32 (1.24)	1.14 (1.05)	1.18	(0.781-1.584)	<0.001***

Values in bold indicate statistically significant *p*-values. $p \leq 0.05^*$, $p \leq 0.025^{**}$, $p < 0.001^{***}$. MHD=Mental Health Disorder; NSAIDS=non-steroidal anti-inflammatory drugs. ^a $R^2=0.21$.