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## Supplementary Material

- Article Title: Sex Differences in Recovery-Related Outcomes and Needs for Psychiatric Rehabilitation in People With Schizophrenia-Spectrum Disorder
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Supplementary table 1: Sex differences in socio-demographic and clinical characteristics when women aged 40 years or older were omitted from the analyses

	Schizophrenia			
	Male (N=785)	Female <= 40 years (N=191)	Total (N=976)	p value
Occupational status				0.340 <sup>a</sup>
Ν	716	177	893	
Without income	167 (23.3%)	46 (26.0%)	213 (23.9%)	
Competitvy/sheltered work	68 (9.5%)	11 (6.2%)	79 (8.8%)	
Unemployment / Disability benefits	481 (67.2%)	120 (67.8%)	601 (67.3%)	
Narital status				< 0.001 <sup>ª</sup>
Ν	771	189	960	
Single	703 (91.2%)	153 (81.0%)	856 (89.2%)	
In a couple	68 (8.8%)	36 (19.0%)	104 (10.8%)	
arenthood		. ,	. ,	0.014 <sup>ª</sup>
N	758	189	947	
Non-parents	685 (90.4%)	159 (84.1%)	844 (89.1%)	
Parents	73 (9.6%)	30 (15.9%)	103 (10.9%)	
urrent age	, , , , , , , , , , , , , , , , , , , ,	22 (19:370)		0.001 <sup>b</sup>
N	785	191	976	0.001
Mean (SD)	31.98 (9.08)	29.13 (6.27)	31.42 (8.68)	
	16.26 - 61.86	17.60 - 39.98	31.42 (8.68) 16.26 - 61.86	
Range	10.20 - 01.80	11.00 - 23.38	10.20 - 01.80	0.163 <sup>ª</sup>
ducation level	700	100	054	0.163
N (C ) I I I I	766	188	954	
Primary/Secondary school	167 (21.8%)	36 (19.1%)	203 (21.3%)	
High school	414 (54.0%)	94 (50.0%)	508 (53.2%)	
University	185 (24.2%)	58 (30.9%)	243 (25.5%)	
rotection				0.962 <sup>ª</sup>
N	756	186	942	
Without	623 (82.4%)	153 (82.3%)	776 (82.4%)	
With	133 (17.6%)	33 (17.7%)	166 (17.6%)	<b>F</b>
Iness duration (years)				0.001 <sup>b</sup>
Ν	701	177	878	
Mean (SD)	10.56 (8.12)	8.10 (6.19)	10.07 (7.83)	
Range	0.00 - 43.79	0.00 - 27.55	0.00 - 43.79	
lumber of previous admissions				0.294 <sup>b</sup>
Ν	698	177	875	
Mean (SD)	3.22 (3.63)	3.58 (5.40)	3.29 (4.05)	
Range	0.00 - 40.00	0.00 - 64.00	0.00 - 64.00	
uration (in month) of hospitalization				0.405 <sup>b</sup>
Ν	607	160	767	
Mean (SD)	8.08 (17.03)	8.53 (14.35)	8.18 (16.50)	
Range	0.00 - 250.00	0.00 - 100.00	0.00 - 250.00	
Puration from the first psychiatric contact				0.402 <sup>a</sup>
Ν	728	182	910	
<2 years	139 (19.1%)	36 (19.8%)	175 (19.2%)	
2-5 years	136 (18.7%)	41 (22.5%)	177 (19.5%)	
5-10 years	158 (21.7%)	43 (23.6%)	201 (22.1%)	
>10 years	295 (40.5%)	62 (34.1%)	357 (39.2%)	
uicide attempt	· · /			0.009 <sup>ª</sup>
N	744	188	932	
No	568 (76.3%)	126 (67.0%)	694 (74.5%)	
	176 (23.7%)	62 (33.0%)	238 (25.5%)	
Yes	1/01/3 /%			

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No addiction	306 (40.9%)	32 (17.1%)	338 (36.1%)	
One or more addiction(s)	443 (59.1%)	155 (82.9%)	598 (63.9%)	
Psychiatric comorbidity				0.065 <sup>ª</sup>
Ν	663	163	826	
No	509 (76.8%)	136 (83.4%)	645 (78.1%)	
Yes	154 (23.2%)	27 (16.6%)	181 (21.9%)	
Somatic comorbidity				0.304 <sup>a</sup>
Ν	664	161	825	
No	520 (78.3%)	132 (82.0%)	652 (79.0%)	
Yes	144 (21.7%)	29 (18.0%)	173 (21.0%)	
Anxiolytics treatment				0.287 <sup>a</sup>
Ν	783	189	972	
Yes	230 (29.4%)	63 (33.3%)	293 (30.1%)	
No	553 (70.6%)	126 (66.7%)	679 (69.9%)	
Antidepressant treatment				0.332 <sup>a</sup>
Ν	783	189	972	
Yes	177 (22.6%)	49 (25.9%)	226 (23.3%)	
No	606 (77.4%)	140 (74.1%)	746 (76.7%)	
Mood stabilizers treatment				0.324 <sup>a</sup>
Ν	783	189	972	
Yes	90 (11.5%)	17 (9.0%)	107 (11.0%)	
No	693 (88.5%)	172 (91.0%)	865 (89.0%)	
Neuroleptics treatment				0.074 <sup>a</sup>
Ν	783	189	972	
Yes	737 (94.1%)	184 (97.4%)	921 (94.8%)	
No	46 (5.9%)	5 (2.6%)	51 (5.2%)	
Charge of drug treatment				0.367 <sup>a</sup>
Ν	783	189	972	
Zero or one classe	418 (53.4%)	94 (49.7%)	512 (52.7%)	
Two and more classes	365 (46.6%)	95 (50.3%)	460 (47.3%)	

a. Pearson's Chi-squared test

b. Kruskal-Wallis rank sum test

Supplementary table 2: sex differences in cognition and recovery-related outcomes when women aged 40 years or older were omitted from the analyses

		Schizoph	irenia	
	Male (N=785)	Female <= 40 years (N=191)	Total (N=976)	p valu
Global Assessment of Functioning				0.747 <sup>t</sup>
Ν	582	153	735	
Mean (SD)	55.49 (13.89)	55.87 (14.24)	55.57 (13.96)	
Range	10.00 - 95.00	20.00 - 90.00	10.00 - 95.00	
Clinical Global Impression				$0.686^{10}$
Ν	576	153	729	
Mean (SD)	4.20 (1.10)	4.17 (1.12)	4.19 (1.10)	
Range	1.00 - 7.00	1.00 - 7.00	1.00 - 7.00	
MARS - Total score				0.915 <sup>t</sup>
Ν	402	101	503	
Mean (SD)	6.82 (1.96)	6.80 (1.96)	6.81 (1.96)	
Range	0.00 - 10.00	0.00 - 10.00	0.00 - 10.00	
IS Birchwood - Total score				0.339 <sup>t</sup>
Ν	439	123	562	
Mean (SD)	8.41 (2.65)	8.71 (2.43)	8.48 (2.61)	
Range	0.00 - 12.00	1.50 - 12.00	0.00 - 12.00	
SQOL18 - Total score				0.198
Ν	415	109	524	
Mean (SD)	54.22 (17.25)	51.81 (17.70)	53.72 (17.35)	
Range	4.16 - 100.00	7.81 - 93.22	4.16 - 100.00	
WEMWBS - Total score (z-score)				0.122
Ν	480	126	606	
Mean (SD)	-1.05 (1.28)	-1.25 (1.42)	-1.09 (1.32)	
Range	-7,79	-7,37	-7,79	
STORI - Max of stages				0.406
N	385	102	487	
Moratorium	50 (13.0%)	19 (18.6%)	69 (14.2%)	
Awareness	59 (15.3%)	17 (16.7%)	76 (15.6%)	
Preparation	43 (11.2%)	8 (7.8%)	51 (10.5%)	
Rebuilding	98 (25.5%)	20 (19.6%)	118 (24.2%)	
Growth	135 (35.1%)	38 (37.3%)	173 (35.5%)	
SERS - Total score				0.320
N	418	105	523	
Mean (SD)	5.24 (19.82)	3.06 (21.16)	4.80 (20.10)	
Range	-99	-108	-108	
ISMI - Total score	,,,	100	100	0.384 <sup>t</sup>
N	426	115	541	0.001
Mean (SD)	2.19 (0.46)	2.23 (0.43)	2.20 (0.45)	
Range	1.07 - 3.80	1.10 - 3.10	1.07 - 3.80	
	1.07 5.00		1.57 5.00	
CASIG adaptation - Satisfaction level with housing				0.934 <sup>1</sup>
Ν	393	96	489	
Mean (SD)	6.84 (2.38)	6.79 (2.57)	6.83 (2.41)	
Range	0.00 - 10.00	0.00 - 10.00	0.00 - 10.00	
CASIG adaptation - Help needed with housing				0.029
Ν	374	93	467	
No	239 (63.9%)	48 (51.6%)	287 (61.5%)	
Yes	135 (36.1%)	45 (48.4%)	180 (38.5%)	

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## CASIG adaptation - Satisfaction level with daily life skills

Ν	389	95	484	
Mean (SD)	6.48 (2.38)	6.53 (2.41)	6.49 (2.38)	
Range	0.00 - 10.00	0.00 - 10.00	0.00 - 10.00	
CASIG adaptation - Help needed with daily life skills				0.316 <sup>a</sup>
Ν	373	92	465	
No	271 (72.7%)	62 (67.4%)	333 (71.6%)	
Yes	102 (27.3%)	30 (32.6%)	132 (28.4%)	
CASIG adaptation - Satisfaction level with vocational status				0.818 <sup>b</sup>
Ν	375	92	467	
Mean (SD)	3.42 (2.91)	3.33 (2.81)	3.40 (2.89)	
Range	0.00 - 10.00	0.00 - 10.00	0.00 - 10.00	
CASIG adaptation - Help needed with vocational status				0.015 <sup>a</sup>
Ν	362	94	456	
No	74 (20.4%)	9 (9.6%)	83 (18.2%)	
Yes	288 (79.6%)	85 (90.4%)	373 (81.8%)	
CASIG adaptation - Satisfaction level with interpersonal relationships				0.077 <sup>b</sup>
Ν	386	96	482	
Mean (SD)	6.20 (2.71)	5.61 (2.92)	6.08 (2.76)	
Range	0.00 - 10.00	0.00 - 10.00	0.00 - 10.00	
CASIG adaptation - Help needed with interpersonal relationships				0.044 <sup>a</sup>
				0.011
N	370	94	464	
No Yes	216 (58.4%) 154 (41.6%)	44 (46.8%) 50 (53.2%)	260 (56.0%) 204 (44.0%)	
	134 (41.0%)	50 (55.270)	204 (44.0%)	
CASIG adaptation - Satisfaction level with intimate relationships				0.643 <sup>b</sup>
Ν	384	93	477	
Mean (SD)	4.09 (3.09)	4.35 (3.50)	4.14 (3.17)	
Range	0.00 - 10.00	0.00 - 10.00	0.00 - 10.00	
CASIG adaptation - Help needed with intimate relationships				0.305 <sup>a</sup>
Ν	369	94	463	
No	214 (58.0%)	49 (52.1%)	263 (56.8%)	
Yes	155 (42.0%)	45 (47.9%)	200 (43.2%)	
CASIG adaptation - Satisfaction level with family relationships				0.781 <sup>b</sup>
Ν	389	96	485	
Mean (SD)	7.01 (2.44)	6.92 (2.52)	6.99 (2.46)	
Range	0.00 - 10.00	0.00 - 10.00	0.00 - 10.00	
CASIG adaptation - Help needed with family relationships				0.195 <sup>a</sup>
Ν	374	94	468	
No	238 (63.6%)	53 (56.4%)	291 (62.2%)	
Yes	136 (36.4%)	41 (43.6%)	177 (37.8%)	
Having two or more socially valued roles				<b>0.004</b> <sup>a</sup>
N	700	177	877	
No	597 (85.3%)	135 (76.3%)	732 (83.5%)	
Yes	103 (14.7%)	42 (23.7%)	145 (16.5%)	

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 $0.814^{b}$ 

Personal recovery				0.503 <sup>a</sup>
Ν	385	102	487	
STORI - Moratorium/Awareness/Preparation	152 (39.5%)	44 (43.1%)	196 (40.2%)	
STORI - Rebuilding/Growth	233 (60.5%)	58 (56.9%)	291 (59.8%)	
Functional recovery				$0.072^{a}$
Ν	582	153	735	
EGF <= 61	427 (73.4%)	101 (66.0%)	528 (71.8%)	
$EGF \ge 61$	155 (26.6%)	52 (34.0%)	207 (28.2%)	
Long term memory (CVLT/RLRI)				0.237 <sup>a</sup>
Ν	446	115	561	
Deficit level	154 (34.5%)	33 (28.7%)	187 (33.3%)	
Normal level	292 (65.5%)	82 (71.3%)	374 (66.7%)	
Executing functioning (Digit span - Short term memory)				<b>0.008</b> <sup>a</sup>
Ν	458	120	578	
Deficit level	59 (12.9%)	27 (22.5%)	86 (14.9%)	
Normal level	399 (87.1%)	93 (77.5%)	492 (85.1%)	
Executing functioning (Digit span - Working memory)				<b>0.010</b> <sup>a</sup>
Ν	458	120	578	
Deficit level	75 (16.4%)	32 (26.7%)	107 (18.5%)	
Normal level	383 (83.6%)	88 (73.3%)	471 (81.5%)	
Attention (D2-R - Attention capacity)				$0.886^{a}$
Ν	377	88	465	
Deficit level	117 (31.0%)	28 (31.8%)	145 (31.2%)	
Normal level	260 (69.0%)	60 (68.2%)	320 (68.8%)	
Attention (D2-R - Target processed/processing speed)				0.495 <sup>a</sup>
Ν	383	89	472	
Deficit level	174 (45.4%)	44 (49.4%)	218 (46.2%)	
Normal level	209 (54.6%)	45 (50.6%)	254 (53.8%)	
Attention (D2-R - Errors and omissions)				$0.887^{a}$
Ν	380	88	468	
Deficit level	32 (8.4%)	7 (8.0%)	39 (8.3%)	
Normal level	348 (91.6%)	81 (92.0%)	429 (91.7%)	
Planning abilities (Shopping test - Reaction time)				0.175 <sup>a</sup>
Ν	413	105	518	
Deficit level	83 (20.1%)	15 (14.3%)	98 (18.9%)	
Normal level	330 (79.9%)	90 (85.7%)	420 (81.1%)	
Planning abilities (Shopping test - Error)				0.792 <sup>a</sup>
Ν	411	105	516	
Deficit level	116 (28.2%)	31 (29.5%)	147 (28.5%)	
Normal level	295 (71.8%)	74 (70.5%)	369 (71.5%)	

a Pearson's Chi-squared test

b Kruskal-Wallis rank sum test

c Linear Model ANOVA