

Table 1.

## Baseline Characteristics and key Outcomes of Psychiatrically Hospitalized Children and Adolescents

Characteristic	Total (n = 1,189) <sup>a</sup>	Schizophrenia, Schizotypal, or Delusional Disorder <sup>b</sup> (n = 22)	Any Eating Disorder <sup>b</sup> (n = 354)	(Recurrent) Depressive Disorder or Dysthymia <sup>b</sup> (n = 231)	Autism-Spectrum Disorders or Attachment Disorder <sup>b</sup> (n = 48)	Oppositional Defiant/Conduct Disorder <sup>b</sup> (n = 231)	Dissociative or Somatoform Disorders <sup>b</sup> (n = 70)	Attention-Deficit/ Hyperactivity Disorder or Hyperkinetic Disorder <sup>b</sup> (n = 47)	Phobic Anxiety Disorder and Other Anxiety Disorders <sup>b</sup> (n = 55)
<b>Baseline Characteristics at Hospital Admission</b>									
<b>Demographic variables</b>									
Age at inpatient admission, median (IQR), y [n = 1,189]	14.4 (11.6, 16.1)	16.3 (14.8, 17.0)	15.3 (13.8, 16.6)	15.6 (14.1, 16.7)	9.3 (7.5, 12.3)	11.6 (8.8, 14.6)	14.1 (12.4, 15.9)	10.7 (8.4, 13.9)	13.7 (11.1, 15.7)
Sex, female, n (%) [n = 1,189]	731 (61.5)	8 (36.4)	325 (91.8)	139 (60.2)	25 (52.1)	64 (27.7)	44 (62.9)	17 (36.2)	34 (61.8)
<b>Complications/risk factors during pregnancy, birth or postpartum period, n (%) [n = 1,060]</b>	433 (40.8)	7 (33.3)	135 (40.8)	80 (39.2)	15 (44.1)	88 (43.6)	26 (43.3)	22 (50.0)	14 (28.6)
<b>Intelligence level, n (%) [n = 1,132]</b>									
≥ 115	241 (21.3)	0 (0.0)	128 (38.3)	44 (19.9)	1 (2.1)	25 (10.9)	16 (23.5)	3 (6.7)	6 (10.9)
85–114	747 (66.0)	17 (85.0)	187 (56.0)	161 (72.9)	28 (59.6)	160 (69.9)	46 (67.6)	32 (71.1)	38 (69.1)
< 85	144 (12.7)	3 (15.0)	19 (5.7)	16 (7.2)	18 (38.3)	44 (19.2)	6 (8.8)	10 (22.2)	11 (20.0)
<b>Home environment, , n (%)</b>									
Mental disorder in family [n = 1,050]	681 (64.9)	14 (77.8)	199 (60.5)	154 (74.4)	27 (71.1)	133 (66.2)	33 (53.2)	28 (68.3)	29 (59.2)
Non-mental disorder in family [n = 1,034]	360 (34.8)	5 (26.3)	110 (34.6)	76 (37.3)	13 (38.2)	70 (34.8)	24 (39.3)	13 (33.3)	15 (30.6)
<b>Associated abnormal psychosocial factors</b>									
Bullying experience by student or scapegoat by teacher, n (%) [n = 1,121]	130 (11.6)	2 (10.0)	13 (3.9)	21 (9.5)	8 (17.0)	59 (26.2)	9 (13.8)	9 (19.6)	3 (5.6)
Physical abuse in the family, n (%) [n = 1,101]	58 (5.3)	2 (10.5)	6 (1.8)	11 (5.0)	11 (23.4)	16 (7.4)	2 (3.2)	3 (6.7)	0 (0.0)
Sexual abuse in or outside the family, n (%) [n = 1,099]	45 (4.1)	0 (0.0)	7 (2.1)	13 (6.0)	4 (8.9)	13 (6.0)	1 (1.6)	1 (2.2)	1 (1.9)
No. of abnormal psychosocial factors, mean ± SD [n = 1,161]	2.2 ± 1.6	2.0 ± 1.5	1.7 ± 1.5	2.2 ± 1.5	2.9 ± 1.5	2.7 ± 1.6	2.2 ± 1.5	2.2 ± 1.4	2.0 ± 1.5
<b>Somatic status</b>									
BMI percentile at admission, median (IQR) [n = 1,077]	38.2 (6.7, 81.6)	42.1 (14.6, 75.8)	1.1 (0.1, 17.8)	46.0 (19.8, 86.4)	56.0 (21.2, 76.6)	61.8 (30.9, 89.9)	61.8 (27.4, 91.1)	48.0 (15.9, 75.0)	46.0 (21.7, 80.2)
Any neurologic abnormality, n (%) [n = 1,085]	230 (21.2)	9 (47.4)	34 (10.8)	23 (10.8)	16 (34.8)	77 (35.0)	17 (26.6)	14 (30.4)	8 (15.7)
Any medical abnormality, n (%) [n = 1,091]	453 (41.5)	8 (42.1)	174 (54.7)	85 (39.9)	15 (31.9)	77 (34.8)	21 (32.3)	14 (30.4)	16 (31.4)
<b>Comorbid mental health diagnosis (ICD-10, Axis I), n (%)</b>									
Personality disorders [n = 1,162]	133 (11.4)	0 (0.0)	40 (11.3)	52 (22.5)	1 (2.1)	10 (4.3)	6 (8.6)	1 (2.1)	5 (9.1)
Enuresis and encopresis [n = 1,162]	104 (9.0)	0 (0.0)	1 (0.3)	6 (2.6)	15 (31.3)	36 (15.6)	2 (2.9)	16 (34.0)	8 (14.5)
Persistent other/nonspecified affective disorder [n = 1,162]	77 (6.6)	1 (4.5)	20 (5.6)	0 (0.0)	1 (2.1)	16 (6.9)	9 (12.9)	7 (14.9)	2 (3.6)
Obsessive-compulsive disorders [n = 1,162]	72 (6.2)	3 (13.6)	34 (9.6)	3 (1.3)	4 (8.3)	4 (1.7)	1 (1.4)	3 (6.4)	1 (1.8)
Adjustment disorder and acute stress disorder [n = 1,162]	62 (5.3)	0 (0.0)	11 (3.1)	11 (4.8)	2 (4.2)	5 (2.2)	4 (5.7)	3 (6.4)	1 (1.8)
Attachment disorder [n = 1,162]	47 (4.0)	0 (0.0)	2 (0.6)	0 (0.0)	3 (6.3)	9 (3.9)	4 (5.7)	11 (23.4)	1 (1.8)
Tic disorder [n = 1,162]	38 (3.3)	1 (4.5)	2 (0.6)	3 (1.3)	3 (6.3)	14 (6.1)	3 (4.3)	3 (6.4)	1 (1.8)
Mental and behavioral disorders due to psychotropic substance use [n = 1,162]	24 (2.1)	0 (0.0)	2 (0.6)	9 (3.9)	1 (2.1)	5 (2.2)	2 (2.9)	0 (0.0)	0 (0.0)
Emotional disorders in childhood [n = 1,162]	7 (0.6)	0 (0.0)	2 (0.6)	3 (1.3)	0 (0.0)	1 (0.4)	0 (0.0)	0 (0.0)	0 (0.0)
<b>Total number of ICD-10, Axis I mental health diagnoses [n = 1,172]</b>	1.9 (0.7)	1.8 (0.8)	1.9 (0.7)	2.1 (0.7)	2.4 (0.7)	1.7 (0.7)	1.9 (0.7)	2.3 (0.6)	1.6 (0.7)
<b>Circumscribed developmental disorder (ICD-10, Axis II), n (%)</b>									
Circumscribed developmental disorder of motor functions [n = 1,146]	107 (9.3)	4 (20.0)	6 (1.7)	7 (3.1)	15 (32.6)	44 (19.6)	3 (4.4)	12 (26.1)	6 (11.1)
Disorders of school skills [n = 1,146]	105 (9.2)	2 (10.0)	9 (2.6)	18 (7.9)	5 (10.9)	38 (17.0)	10 (14.7)	9 (19.6)	7 (13.0)
Speech or language disorder [n = 1,146]	67 (5.8)	2 (10.0)	8 (2.3)	5 (2.2)	11 (23.9)	21 (9.4)	0 (0.0)	2 (4.3)	5 (9.3)
<b>Presence of at least slight psychopathology, n (%)</b>									
Disturbance of mood and affect [n = 1,158]	1001 (86.4)	20 (95.2)	315 (91.0)	222 (97.8)	35 (72.9)	178 (78.8)	53 (80.3)	31 (67.4)	48 (87.3)
Disturbance of social interaction [n = 1,159]	819 (70.7)	19 (90.5)	203 (59.2)	161 (71.2)	41 (87.2)	187 (81.3)	41 (62.1)	35 (76.1)	42 (76.4)
Disturbance of drive, attention, and impulse control [n = 1,162]	729 (62.7)	17 (81.0)	149 (43.2)	165 (72.4)	34 (70.8)	195 (85.2)	30 (45.5)	40 (87.0)	30 (54.5)
Disturbance of social behavior [n = 1,151]	482 (41.9)	10 (52.6)	54 (15.8)	73 (32.4)	32 (66.7)	194 (84.7)	19 (28.8)	22 (47.8)	19 (34.5)
Eating disorder symptoms [n = 1,145]	474 (41.4)	2 (10.5)	335 (96.8)	44 (19.6)	5 (10.9)	39 (17.5)	11 (16.7)	6 (13.0)	5 (9.1)
Functional and somatoform disorder symptoms [n = 1,145]	414 (36.2)	9 (47.4)	70 (20.5)	105 (46.9)	13 (27.7)	67 (29.5)	49 (74.2)	21 (45.7)	28 (50.9)
Anxiety disorder symptoms [n = 1,143]	406 (35.5)	11 (57.9)	96 (28.2)	83 (36.6)	16 (34.0)	70 (31.1)	31 (47.7)	15 (32.6)	47 (87.0)
Disturbance of psychomotor behavior [n = 1,150]	252 (21.9)	11 (52.4)	56 (16.4)	50 (22.2)	19 (41.3)	61 (26.9)	7 (10.6)	18 (39.1)	7 (13.0)
Disturbance of speech and language [n = 1,148]	225 (19.6)	7 (35.0)	29 (8.5)	41 (18.3)	26 (55.3)	53 (23.5)	9 (13.6)	15 (32.6)	15 (27.8)
Psychotic symptoms [n = 1,151]	187 (16.2)	13 (68.4)	51 (14.8)	43 (19.0)	8 (17.0)	23 (10.1)	10 (15.2)	10 (21.7)	4 (7.3)
Obsessive-compulsive disorder symptoms [n = 1,138]	146 (12.8)	3 (16.7)	73 (21.3)	13 (5.9)	9 (20.0)	11 (4.9)	4 (6.3)	5 (10.9)	5 (9.4)
Substance abuse/dependence symptoms [n = 1,140]	86 (7.5)	3 (16.7)	19 (5.6)	29 (12.9)	0 (0.0)	23 (10.2)	1 (1.5)	1 (2.2)	2 (3.7)
Impaired memory, orientation, consciousness, or alertness [n = 1,142]	74 (6.5)	6 (31.6)	16 (4.7)	17 (7.6)	6 (12.8)	10 (4.4)	4 (6.3)	4 (8.7)	4 (7.3)
<b>Key Outcomes</b>									
<b>Treatment duration, mean ± SD, d [n = 1,184]</b>	65.0 ± 37.4	62.3 ± 37.7	85.9 ± 46.5	58.1 ± 28.0	54.3 ± 22.9	53.9 ± 26.2	54.7 ± 20.4	61.9 ± 23.5	53.9 ± 24.4
<b>Complete or significant symptom improvement, n (%) [n = 1,115]</b>	601 (53.9)	6 (30.0)	195 (58.4)	123 (55.9)	20 (42.6)	99 (44.8)	35 (53.8)	31 (67.4)	36 (66.7)
<b>Complete or significant global illness improvement, n (%) [n = 1,117]</b>	308 (27.6)	2 (10.0)	113 (33.8)	57 (25.8)	15 (31.9)	44 (19.8)	20 (30.8)	13 (28.9)	18 (33.3)
<b>No more than mild social impairment, n (%) [n = 1,079]</b>	191 (17.7)	0 (0.0)	88 (27.1)	38 (18.0)	2 (4.3)	14 (6.6)	11 (17.7)	7 (16.7)	9 (17.3)
<b>Recommended out-of-home placement and day care, n (%) [n = 1,177]</b>	432 (36.7)	8 (36.4)	96 (27.4)	94 (40.9)	31 (64.6)	112 (48.5)	18 (25.7)	11 (23.4)	18 (32.7)

<sup>a</sup>n = 104 without a main diagnosis and n = 27 without information.

<sup>b</sup>Diagnoses ordered from left to right according to diagnostic primacy in case of comorbidity with other “primary” diagnoses.

Abbreviations: ICD-10 = International Statistical Classification of Diseases and Related Health Problems, Tenth Revision; IQR = interquartile range.