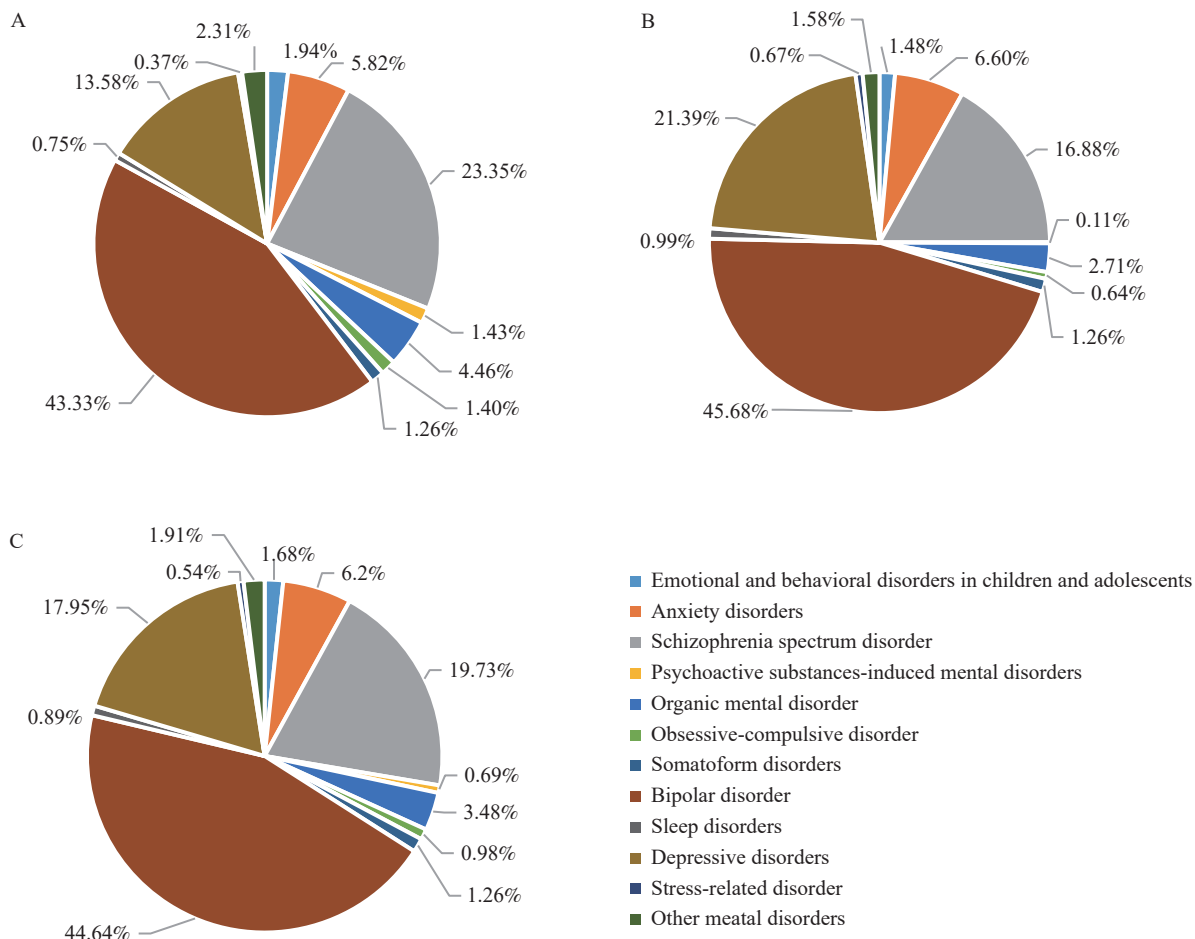
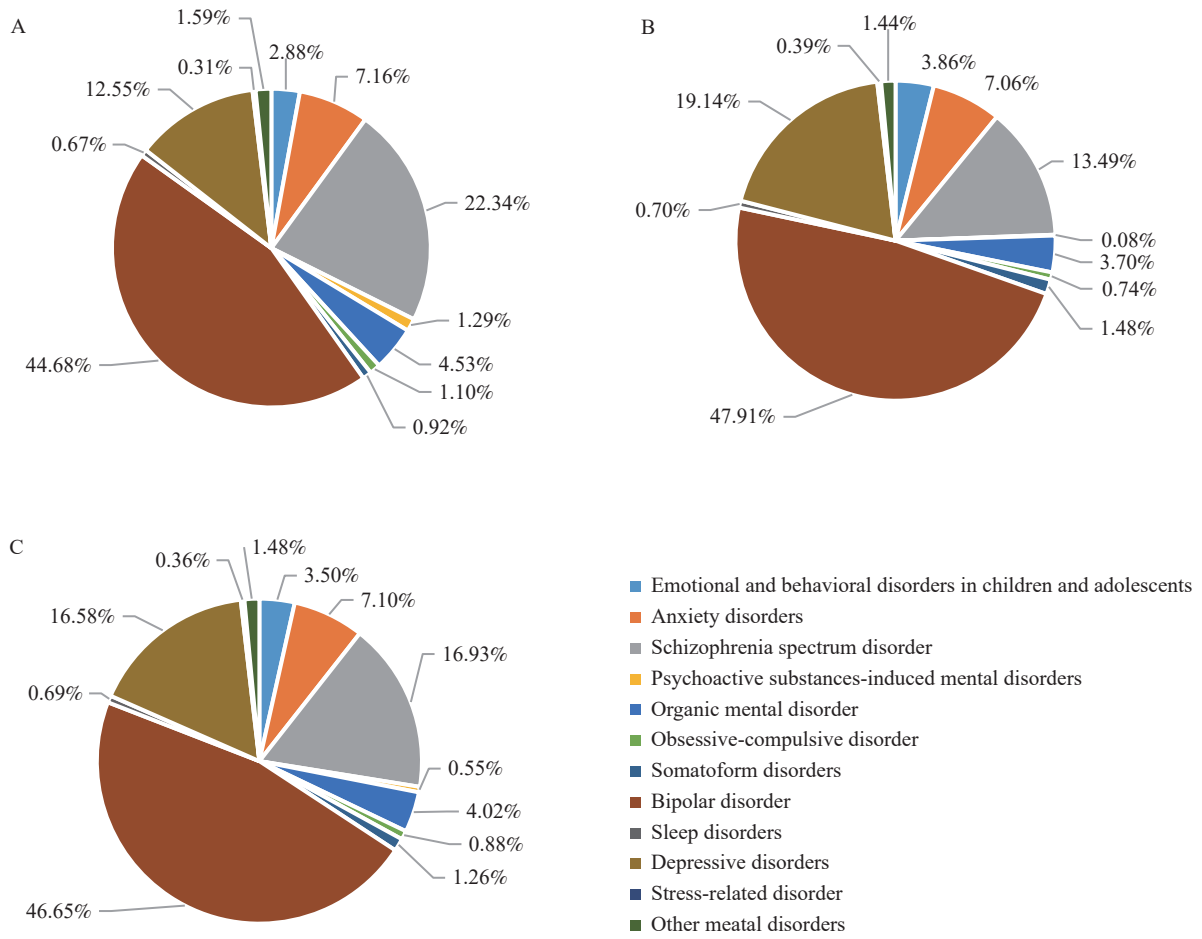


SUPPLEMENTARY TABLE S1. Inpatients' characteristics of Phase 1 and Phase 2.

Category	Phase 1 (n=6,664)	Phase 2 (n=4,199)	$\chi^2/t$	P-value
Gender				
Male	2,938 (44.1%)	1,634 (38.9%)	28.29	<0.001
Female	3,726 (55.9%)	2,565 (61.1%)		
Age	34.55±16.10	33.52±16.52	3.21	0.001
Wuhan hukou				
Yes	2,734 (41.0%)	1,618 (38.5%)	6.67	0.010
No	3,930 (59.0%)	2,581 (61.5%)		



SUPPLEMENTARY FIGURE S1. Disease distribution proportion of inpatients in Phase 1 by gender, (A) male; (B) female; and (C) both.



SUPPLEMENTARY FIGURE S2. Disease distribution proportion of inpatients in Phase 2 by gender, (A) male; (B) female; and (C) both.

SUPPLEMENTARY TABLE S2. Inpatients' disease diagnosis distribution among demographic characteristics in Phase 1 and Phase 2.

Variety of disease		Gender		Age	Wuhan hukou	
		Male	Female		Yes	No
Soma to form disorders	Phase 1	37 (44.0%)	47 (56.0%)	47.81±15.08	30 (35.7%)	54 (64.3%)
	Phase 2	15 (28.3%)	38 (71.7%)	50.66±16.34	19 (35.8%)	34 (64.2%)
	$\chi^2/t$	3.42		-1.04	0.00	
	<i>P</i> -value	0.064		0.299	0.987	
Bipolar disorder	Phase 1	1,273 (42.8%)	1,702 (57.2%)	30.50±13.14	1,156 (38.9%)	1,819 (61.1%)
	Phase 2	730 (37.3%)	1,229 (62.7%)	28.70±13.09	707 (36.1%)	1,252 (63.9%)
	$\chi^2/t$	14.96		4.73	3.85	
	<i>P</i> -value	<0.001		<0.001	0.050	
Sleep disorders	Phase 1	22 (37.3%)	37 (62.7%)	48.88±16.15	26 (44.1%)	33 (55.9%)
	Phase 2	11 (37.9%)	18 (62.1%)	47.07±15.69	9 (31%)	20 (69%)
	$\chi^2/t$	0.003		0.50	1.38	
	<i>P</i> -value	0.953		0.619	0.240	
Depressive disorders	Phase 1	399 (33.4%)	797 (66.6%)	34.68±17.49	503 (42.1%)	693 (57.9%)
	Phase 2	205 (29.5%)	491 (70.5%)	36.64±18.30	261 (37.5%)	435 (62.5%)
	$\chi^2/t$	3.09		-2.28	3.79	
	<i>P</i> -value	0.079		0.023	0.051	
Stress-related disorder	Phase 1	11 (30.6%)	25 (69.4%)	40.72±15.99	17 (47.2%)	19 (52.8%)
	Phase 2	5 (33.3%)	10 (66.7%)	35.93±20.16	7 (46.7%)	8 (53.3%)
	$\chi^2/t$	0.04		0.90	0.001	
	<i>P</i> -value	0.846		0.372	0.971	
Emotional and behavioral disorders in children and adolescents	Phase 1	53 (49.5%)	54 (50.5%)	14.71±2.30	34 (31.8%)	73 (68.2%)
	Phase 2	45 (31.3%)	99 (68.8%)	14.70±1.99	41 (28.5%)	103 (71.5%)
	$\chi^2/t$	8.62		0.04	0.32	
	<i>P</i> -value	0.003		0.969	0.572	
Anxiety disorders	Phase 1	171 (41%)	246 (59%)	46.94±17.21	19 (46.8%)	222 (48.7%)
	Phase 2	11 (39.3%)	18 (60.7%)	48.77±15.34	14 (48.7%)	153 (51.3%)
	$\chi^2/t$	0.22		-1.46	0.25	
	<i>P</i> -value	0.639		0.144	0.617	
Schizophrenia spectrum disorder	Phase 1	686 (52.2%)	629 (47.8%)	36.42±13.76	551 (41.9%)	764 (58.1%)
	Phase 2	365 (51.3%)	34 (48.7%)	35.61±14.04	301 (42.3%)	410 (57.7%)
	$\chi^2/t$	0.130.721		1.25	0.04	
	<i>P</i> -value			0.211	0.850	
Psychoactive substances-induced mental disorders	Phase 1	42(91.3%)	4(8.7%)	41.54±11.93	32 (69.6%)	14 (30.4%)
	Phase 2	21(91.3%)	2(8.7%)	40.13±12.52	13 (56.5%)	10 (43.5%)
	$\chi^2/t$			0.46	1.15	
	<i>P</i> -value	1.000*		0.650	0.284	
Organic mental disorder	Phase 1	13 (56.5%)	10 (43.5%)	57.23±18.44	11 (51.3%)	11 (48.7%)
	Phase 2	74 (43.8%)	95 (56.2%)	51.59±18.69	80 (47.3%)	89 (52.7%)
	$\chi^2/t$	6.29		3.01	0.61	
	<i>P</i> -value	0.012		0.003	0.434	
Obsessive-compulsive disorder	Phase 1	41 (63.1%)	24 (36.9%)	27.83±11.78	26 (40%)	39 (60%)
	Phase 2	18 (48.6%)	19 (51.4%)	32.41±16.14	14 (37.8%)	23 (62.2%)
	$\chi^2/t$	2.01		-1.64	0.05	
	<i>P</i> -value	0.156		0.103	0.830	

\* Using the Fisher's Exact test.