

S7 Table. Count and percentage of adult and pediatric patients with pre-admission health conditions as stratified by concurrent neurological status during acute COVID-19 hospitalization ¹.

Pre-Admission Health Condition ²	Population	Total, N (%) ³	NNC, N (%) ⁴	CNS, N (%) ⁴	PNS, N (%) ⁴
Alcohol abuse	Adult	29918 (29%)	22879 (26.5 %)	6169 (41.3 %)	870 (31.4 %)
	Pediatric	212 (10%)	186 (9.2 %)	25 (15.3 %)	1 (6.2 %)
Blood loss anemia	Adult	4883 (5%)	3710 (4.3 %)	1047 (7 %)	126 (4.5 %)
	Pediatric	23 (1%)	20 (1 %)	2 (1.2 %)	1 (6.2 %)
Cardiac arrhythmias	Adult	19196 (18%)	14441 (16.7 %)	4207 (28.2 %)	548 (19.8 %)
	Pediatric	109 (5%)	94 (4.7 %)	12 (7.4 %)	3 (18.8 %)
Chronic pulmonary disease	Adult	14119 (14%)	11121 (12.9 %)	2626 (17.6 %)	372 (13.4 %)
	Pediatric	71 (3%)	62 (3.1 %)	9 (5.5 %)	0 (0 %)
Coagulopathy	Adult	3155 (3%)	2367 (2.7 %)	728 (4.9 %)	60 (2.2 %)
	Pediatric	41 (2%)	36 (1.8 %)	4 (2.5 %)	1 (6.2 %)
Congestive heart failure	Adult	17895 (17%)	13555 (15.7 %)	3869 (25.9 %)	471 (17 %)
	Pediatric	17 (1%)	16 (0.8 %)	1 (0.6 %)	0 (0 %)
Deficiency anemias	Adult	6143 (6%)	4601 (5.3 %)	1368 (9.2 %)	174 (6.3 %)
	Pediatric	23 (1%)	20 (1 %)	2 (1.2 %)	1 (6.2 %)
Depression	Adult	18794 (18%)	14149 (16.4 %)	4047 (27.1 %)	598 (21.6 %)
	Pediatric	78 (4%)	72 (3.6 %)	5 (3.1 %)	1 (6.2 %)
Diabetes ⁵	Adult	21952 (21%)	16888 (19.6 %)	4429 (29.6 %)	635 (22.9 %)
	Pediatric	17 (1%)	17 (0.8 %)	0 (0 %)	0 (0 %)
Drug abuse	Adult	26389 (25%)	20097 (23.3 %)	5512 (36.9 %)	780 (28.1 %)
	Pediatric	207 (9%)	190 (9.4 %)	16 (9.8 %)	1 (6.2 %)
Fluid and electrolyte disorders	Adult	10565 (10%)	7680 (8.9 %)	2607 (17.5 %)	278 (10 %)
	Pediatric	74 (3%)	69 (3.4 %)	4 (2.5 %)	1 (6.2 %)
HIV/AIDS	Adult	444 (0%)	382 (0.4 %)	61 (0.4 %)	1 (0 %)
	Pediatric	0 (0%)	0 (0 %)	0 (0 %)	0 (0 %)
Hypertension ⁵	Adult	35566 (34%)	27302 (31.6 %)	7277 (48.7 %)	987 (35.6 %)
	Pediatric	21 (1%)	21 (1 %)	0 (0 %)	0 (0 %)
Hypothyroidism	Adult	6419 (6%)	4860 (5.6 %)	1381 (9.2 %)	178 (6.4 %)
	Pediatric	8 (0%)	7 (0.3 %)	1 (0.6 %)	0 (0 %)
Liver disease	Adult	6683 (6%)	5335 (6.2 %)	1142 (7.6 %)	206 (7.4 %)
	Pediatric	34 (2%)	32 (1.6 %)	2 (1.2 %)	0 (0 %)
Lymphoma	Adult	1283 (1%)	1059 (1.2 %)	199 (1.3 %)	25 (0.9 %)
	Pediatric	7 (0%)	7 (0.3 %)	0 (0 %)	0 (0 %)
Metastatic cancer	Adult	1773 (2%)	1393 (1.6 %)	344 (2.3 %)	36 (1.3 %)
	Pediatric	6 (0%)	5 (0.2 %)	0 (0 %)	1 (6.2 %)
Neurological disorders	Adult	8888 (9%)	5274 (6.1 %)	3461 (23.2 %)	153 (5.5 %)
	Pediatric	87 (4%)	46 (2.3 %)	41 (25.2 %)	0 (0 %)
Obesity	Adult	11536 (11%)	9471 (11 %)	1709 (11.4 %)	356 (12.8 %)
	Pediatric	28 (1%)	26 (1.3 %)	2 (1.2 %)	0 (0 %)
	Adult	1424 (1%)	895 (1 %)	511 (3.4 %)	18 (0.6 %)

Paralysis	Pediatric	30 (1%)	12 (0.6 %)	18 (11 %)	0 (0 %)
Peptic ulcer disease excluding bleeding	Adult	804 (1%)	634 (0.7 %)	160 (1.1 %)	10 (0.4 %)
	Pediatric	1 (0%)	1 (0 %)	0 (0 %)	0 (0 %)
Peripheral vascular disorders	Adult	12075 (12%)	9011 (10.4 %)	2741 (18.3 %)	323 (11.7 %)
	Pediatric	46 (2%)	39 (1.9 %)	6 (3.7 %)	1 (6.2 %)
Psychoses	Adult	3258 (3%)	2223 (2.6 %)	1011 (6.8 %)	24 (0.9 %)
	Pediatric	11 (1%)	10 (0.5 %)	1 (0.6 %)	0 (0 %)
Pulmonary circulation disorders	Adult	3218 (3%)	2541 (2.9 %)	611 (4.1 %)	66 (2.4 %)
	Pediatric	8 (0%)	7 (0.3 %)	1 (0.6 %)	0 (0 %)
Renal failure	Adult	15239 (15%)	11521 (13.3 %)	3310 (22.2 %)	408 (14.7 %)
	Pediatric	65 (3%)	53 (2.6 %)	11 (6.7 %)	1 (6.2 %)
Rheumatoid arthritis / collagen vascular diseases	Adult	3097 (3%)	2489 (2.9 %)	520 (3.5 %)	88 (3.2 %)
	Pediatric	5 (0%)	3 (0.1 %)	1 (0.6 %)	1 (6.2 %)
Solid tumor without metastasis	Adult	7061 (7%)	5537 (6.4 %)	1338 (9 %)	186 (6.7 %)
	Pediatric	21 (1%)	20 (1 %)	0 (0 %)	1 (6.2 %)
Valvular disease	Adult	10089 (10%)	7639 (8.8 %)	2177 (14.6 %)	273 (9.8 %)
	Pediatric	53 (2%)	45 (2.2 %)	7 (4.3 %)	1 (6.2 %)
Weight loss	Adult	5703 (5%)	4169 (4.8 %)	1430 (9.6 %)	104 (3.8 %)
	Pediatric	123 (6%)	109 (5.4 %)	13 (8 %)	1 (6.2 %)

Notes:

1. Neurological status during acute COVID-19 hospitalization: central nervous system diagnosis (CNS), peripheral nervous system diagnosis (PNS), no neurological condition (NNC).
2. Refer to S3-S4 Tables for detailed descriptions of ICD codes comprising each component of the Elixhauser Comorbidity Index.
3. N=the total number of adult or pediatric patients with the pre-admission health condition; the corresponding percentage is out of the total adult or pediatric population.
4. Percentages in the NNC, CNS, and PNS columns reflect the percent of patients with the respective neurological status who have the indicated pre-admission health condition.
5. Complicated and uncomplicated diabetes were combined as one condition. Likewise, complicated and uncomplicated hypertension were combined as one condition.