

Table 3: Treatments administered at the ED and clinical severity outcomes in 2019 and 2020

ED treatments	2019 A -	2019 B	2019 C	2020 A Pre-lockdown	2020 B Lockdown	2020 C Post- lockdown	p-value for 6 periods	p-value for comparison of 2019 vs 2020
Oxygen, n (%)	31 (25.0%)	13 (14.6%)	11 (18.3%)	36 (28.8%)	11 (21.6%)	16 (25.4%)	0.096	0.207
SABA, n (%)	52 (41.9%)	42 (47.2%)	34 (56.7%)	63 (50.4%)	15 (29.4%)	27 (42.9%)	0.503	0.063
Antihistamines, n (%)	0 (0.0%)	1 (1.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1.000	0.622
Anti-cholinergic inhalations, n (%)	40 (32.3%)	34 (38.2%)	30 (50.0%)	42 (33.6%)	11 (21.6%)	24 (38.1%)	0.165	0.050
ICS, n (%)	2 (1.6%)	3 (3.4%)	2 (3.3%)	2 (1.6%)	0 (0.0%)	1 (1.6%)	0.350	0.625
Steroids PO, n (%)	36 (29.0%)	25 (28.1%)	21 (35.0%)	33 (26.4%)	10 (19.6%)	18 (28.6%)	0.256	0.617
Steroids IV, n (%)	3 (2.4%)	3 (3.4%)	4 (6.7%)	8 (6.4%)	2 (3.9%)	5 (7.9%)	0.171	0.496
Antibiotics, n (%)	7 (5.6%)	11 (12.4%)	3 (5.0%)	8 (6.4%)	5 (9.8%)	0 (0.0%)	0.307	0.018
Clinical severity outcomes								
ED visits, n (%)	124	89	60	125	51	63		
ED visits per day Mean \pm SD	3.32 \pm 1.93 ^a	1.80 \pm 0.93 ^b	1.76 \pm 0.78 ^c	3.07 \pm 1.71 ^{a, d, e}	1.43 \pm 0.65 ^{b, d, f}	2.00 \pm 1.15 ^{c, e, f}	<0.001	<0.001
Patient hospitalized, n (%)	43 (34.7%) ^h	30 (33.7%) ^g	24 (40.0%) ⁱ	53 (42.4%) ^h	24 (47.1%) ^g	28 (55.6%) ⁱ	0.44	0.05
LOS, days, Mean \pm SD	2.28 \pm 1.68	1.97 \pm 1.98 ^d	3.45 \pm 4.15 ^e	2.07 \pm 2.951	3.15 \pm 3.23 ^d	1.30 \pm 0.81 ^e	0.03	0.12
Hospitalized in PICU, n (%)	1 (0.8%)	2 (2.2%)	1 (1.7%)	1 (0.8%)	0 (0.0%)	1 (1.6%)	0.79	0.69
LOS in PICU, days Mean \pm SD	12.79	4.57 0.12	1.33	21.08	0	1.04	0.30	1.00

Table 3: ED visits per day: ^a= comparison between 2019 A and 2020 A periods, p-value NS, ^b= comparison between 2019 B and 2020 B periods, p-value NS, ^c= comparison between 2019 C and 2020 C periods, p-value NS, ^d= comparison between 2020A and 2020B periods, p-value <0.001, ^e= comparison between 2020 A and 2020 C periods, p-value <0.01, ^f= comparison between 2020 B and 2020 C periods, p-value NS. Patients hospitalization: ^g= comparison between 2019B and 2020B, p-value NS, ^h= comparison between 2019 A and 2020 A periods, p-value NS, ⁱ= comparison between 2019 C and 2020 C periods, p-value NS. length of stay: ^d= comparison between 2019 B and 2020 B periods, p-value NS, ^e= comparison between 2019 C and 2020 C periods, p-value <0.05. ED- emergency department, SABA- short acting beta agonist, ICS- inhaled corticosteroids, PO- per os, IV- intra venous, LOS- length of stay, PICU- pediatric intensive care unit, SD- standard deviation.