

Supplementary materials

Table 1. Distribution of ED orthopedic accesses by year and patient age

Year	Total number of ED accesses	Number of ED accesses excluding patients aged 1-14 years	Number of accesses of patients aged between 1-14 years
2018	19,167	16,514	2,653
2019	18,821	16,288	2,533
2020	12,307	10,870	1,437
2021	13,870	12,195	1,675
2022	14,948	12,961	1,987

Table 2. Comparison of patient characteristics between before and after the outbreak of COVID-19 pandemic. Legend: ED: Emergency Department; MTS: Manchester Triage System; SD: Standard Deviation.

Variables	Pre COVID-19 period (Until February 2020)	Post COVID-19 period (After March 2020)	p-value
Patients, n (%)	5742 (55.8)	4543 (44.2)	
Age, year, mean (SD)	9.2 (3.6)	9.6 (3.4)	<0.001
Day of arrival, n (%)			0.805
Weekday (Mon-Fri)	4220 (73.4)	3329 (73.2)	
Weekend (Sat-Sun)	1522 (26.5)	1214 (26.7)	
Time of arrival, n (%)			0.006
Day (8 a.m. - 8 p.m.)	5146 (89.6)	3993 (87.9)	

Night (8 p.m. - 8 a.m.)	596 (10.3)	550 (12.1)	
Mode of arrival to the ED, n (%)			0.452
Private vehicle	5313 (92.5)	4224 (92.9)	
Ambulance	393 (6.8)	286 (6.3)	
Emergency physician/helicopter	36 (0.7)	33 (0.8)	
MTS code, n (%)			<0.001
Blue	35 (0.6)	155 (3.4)	
Green	4026 (70.1)	3574 (78.7)	
Yellow	1635 (28.4)	799 (17.6)	
Orange	45 (0.8)	15 (0.3)	
Red	1 (0.0)	0 (0.0)	
Dislocations, n (%)	239 (4.1)	181 (3.9)	0.688
Fractures, n (%)	1424 (24.8)	1169 (25.7)	0.283
Fractures requiring orthopedic operation, n (%)	108 (1.8)	92 (2.0)	0.615
Outcome, n (%)			<0.001
Patient leaves ED without medical evaluation	143 (2.5)	54 (1.2)	
Patient discharged	5443 (94.8)	4364 (96.0)	
Patient hospitalized	156 (2.7)	125 (2.8)	

Table 3. Comparison of patient characteristics between before and after the outbreak of COVID-19 pandemic. Legend: ED: Emergency Department; MTS: Manchester Triage System; SD: Standard Deviation.

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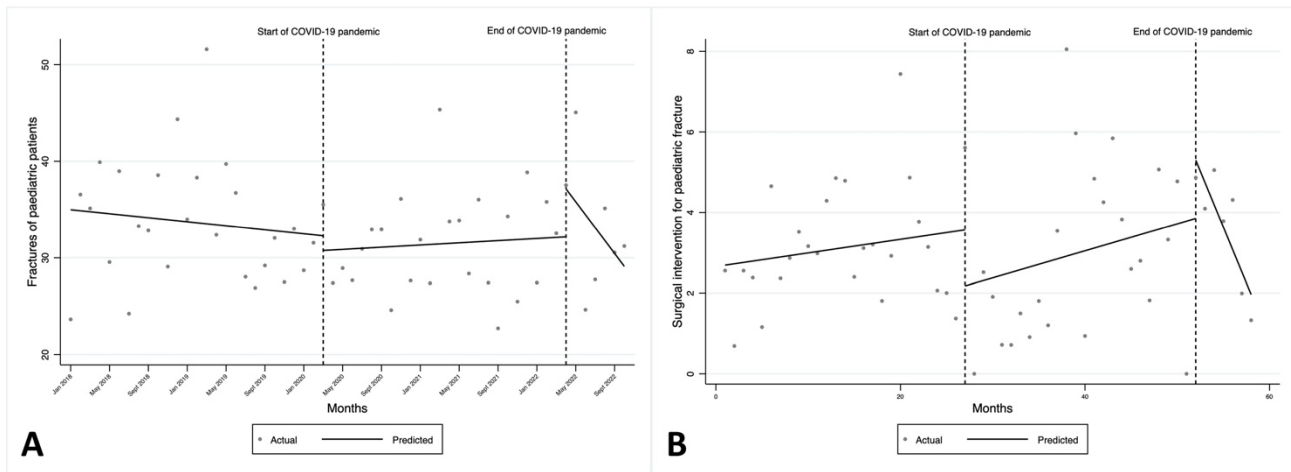


Figure 1. (A) Interrupted time series analysis assessing the rate of pediatric patients with fractures per 1,000 attendances to the ED orthopedic section per month. (B) Interrupted time series analysis assessing the rate of pediatric patients requiring a surgical intervention per 1,000 attendances to the ED orthopedic section per month.

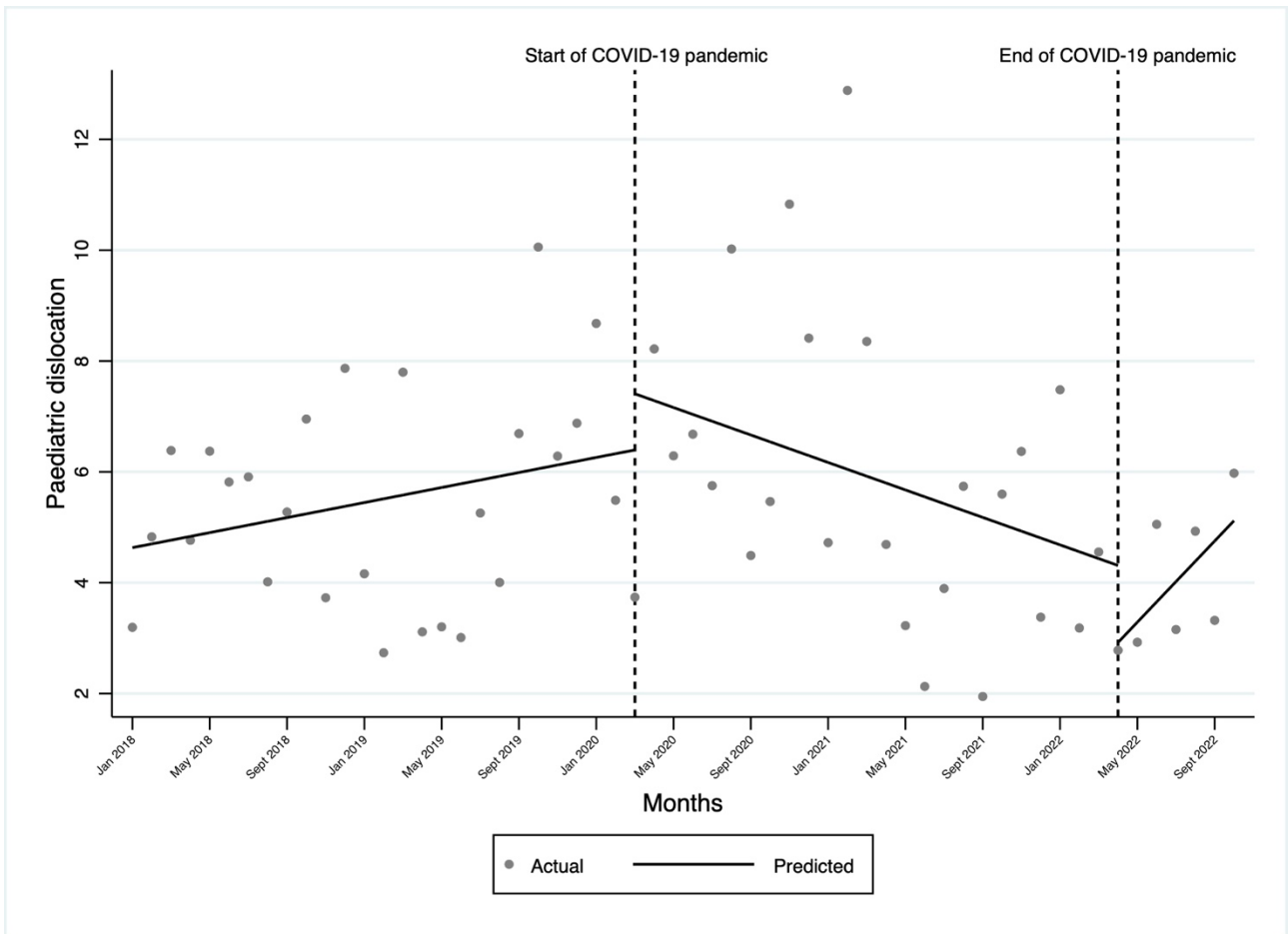


Figure 2. Interrupted time series analysis assessing the rate of paediatric patients with dislocation per 1,000 attendances to the ED orthopedic section.