

Supplementary Table 1. **Socio-demographic and clinical data of patients presenting to the emergency department for an asthma-related visit by study site and for the pre-pandemic and pandemic periods.**

Abbreviations. CHUSJ = Centre Hospitalier Universitaire Sainte-Justine; MCH = Montreal Children's Hospital; IQR: interquartile range; ED: emergency Department

	All January 1, 2017-June 30, 2021		Pre-pandemic January 1, 2017-March 31, 2020		Pandemic April 1, 2020-June 30, 2021	
	CHUSJ N=17 598	MCH N=5 148	CHUSJ N=15 313	MCH N=4 095	CHUSJ N=2 285	MCH N=1 053
Age, years, median (IQR)	2.6 (1.6, 4.7)	2.0 (2.0, 7.0)	2.5 (1.6, 4.6)	3.0 (2.0, 7.0)	2.9 (1.8, 5.3)	4.0 (2.0, 7.0)
Male, n (%)	11 015 (62.6)	3241 (63.0)	9529 (62.2)	2556 (62.4)	1486 (65.0)	685 (65.1)
ED triage level, n (%)						
1	157 (0.9)	4 (0.1)	138 (0.9)	1 (0.0)	19 (0.8)	3 (0.3)
2	2 901 (16.5)	451 (8.8)	2 428 (15.9)	288 (7.0)	473 (20.7)	163 (15.5)
3	12 098 (68.7)	3 903 (75.8)	10 695 (69.8)	3 210 (78.4)	1 403 (61.4)	693 (65.8)
4	2 335 (13.3)	557 (10.8)	1 965 (12.8)	428 (10.5)	370 (16.2)	129 (12.3)
5	107 (0.6)	233 (4.5)	87 (0.6)	168 (4.1)	20 (0.9)	65 (6.2)
Length of stay in ED, median (IQR)	4.9 (3.5, 6.8)	4.6 (3.2, 6.5)	4.9 (3.5, 6.8)	4.6 (3.3, 6.6)	4.8 (3.5, 6.6)	4.5 (3.1, 6.3)
Hospitalizations, n (%)	1 824 (10.4)	118 (2.3)	1 588 (10.4)	79 (1.9)	236 (10.3)	39 (3.7)
Length of stay of hospitalization, median (IQR)	2.0 (1.0, 3.0)	2.5 (2.0, 4.0)	2.0 (1.0, 3.0)	3.0 (2.0, 4.0)	2.0 (1.0, 3.0)	2.0 (2.0, 3.0)
Admission to ICU, n (%)	295 (1.7)	42 (0.8)	244 (1.6)	9 (0.2)	51 (2.2)	33 (3.1)
Canadian Index of Multiple Deprivation	missing n=144	missing n=110	missing n=118	missing n=84	missing n=26	missing n=26
Residential instability quintiles, n (%)						
Quintile 1	1850 (10.6)	709 (14.1)	1629 (10.6)	572 (14.0)	221 (9.7)	137 (13.0)
Quintile 2	1625 (9.3)	532 (10.6)	1423 (9.3)	415 (10.1)	202 (8.8)	117 (11.1)
Quintile 3	2088 (12.0)	589 (11.7)	1822 (11.9)	453 (11.1)	266 (11.6)	136 (12.9)
Quintile 4	3032 (17.4)	974 (19.3)	2645 (17.3)	777 (19.0)	387 (16.9)	197 (18.7)
Quintile 5	8859 (50.8)	2234 (44.3)	7676 (50.1)	1795 (43.8)	1183 (51.8)	440 (41.8)
Economic dependency quintiles, n (%)						
Quintile 1	3684 (21.1)	986 (19.6)	3197 (20.9)	799 (19.5)	487 (21.3)	187 (17.8)
Quintile 2	3486 (20.0)	1001 (19.9)	3034 (19.8)	783 (19.1)	452 (19.8)	218 (20.7)
Quintile 3	4295 (24.6)	1216 (24.1)	3765 (24.6)	989 (24.2)	530 (23.2)	227 (21.6)

Appendix 1, as supplied by the authors. Appendix to: Chelabi K, Osmanlliu E, Gravel J, et al. The effect of the COVID-19 pandemic on pediatric asthma-related emergency department visits and hospital admissions in Montréal, Quebec: a retrospective cohort study. *CMAJ Open* 2023. doi:10.9778/cmajo.2022-0072. Copyright © 2023 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

Quintile 4	3614 (20.7)	1146 (22.7)	3144 (20.5)	903 (22.1)	470 (20.6)	243 (23.1)
Quintile 5	2375 (13.6)	689 (13.7)	2055 (13.4)	537 (13.1)	320 (14.0)	152 (14.4)
Ethno-cultural composition quintiles, n (%)						
Quintile 1	1295 (7.4)	235 (4.7)	1130 (7.4)	179 (4.4)	165 (7.2)	56 (5.3)
Quintile 2	2108 (12.1)	413 (8.2)	1821 (11.9)	329 (8.0)	287 (12.6)	84 (8.0)
Quintile 3	2640 (15.1)	877 (17.4)	2332 (15.2)	685 (16.7)	308 (13.5)	192 (18.2)
Quintile 4	4811 (27.6)	1812 (36.0)	4166 (27.2)	1448 (35.4)	645 (28.2)	364 (34.6)
Quintile 5	6600 (37.8)	1701 (33.8)	5746 (37.5)	1370 (33.5)	857 (31.4)	331 (31.4)
Situational vulnerability quintiles, n (%)						
Quintile 1	2920 (16.7)	1107 (22.0)	2533 (16.5)	888 (21.7)	387 (16.9)	219 (20.8)
Quintile 2	3614 (20.7)	994 (19.7)	3148 (20.6)	793 (19.4)	466 (20.4)	201 (19.1)
Quintile 3	3888 (22.3)	1111 (22.1)	3402 (22.2)	886 (21.6)	486 (21.3)	225 (21.4)
Quintile 4	4277 (24.5)	1111 (22.1)	3729 (24.4)	876 (21.4)	548 (24.0)	235 (22.3)
Quintile 5	2755 (15.8)	715 (14.2)	2383 (15.6)	568 (13.9)	372 (16.3)	147 (14.0)

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