

Supplementary Table 1. Baseline characteristics for each subgroup

Variable	Age group ^{a)}			Trauma		
	Infancy (n = 315,799)	Childhood (n = 584,550)	Adolescence (n = 80,948)	Trauma (n = 250,707)	Non-trauma (n = 730,362)	NA (n = 228)
Age (yr)	1.0 (0.6–1.0)	4.0 (3.0–7.0)	13.0 (12.0–14.0)	4.0 (2.0–8.0)	3.0 (1.0–6.0)	3.0 (1.0–6.0)
Female sex	141,097 (44.7)	248,311 (42.5)	32,486 (40.1)	94,689 (37.8)	327,103 (44.8)	102 (44.7)
Heart rate (beats/min)	134.0 (123.0–150.0)	112.0 (100.0–126.0)	89.0 (80.0–100.0)	108.0 (96.0–122.0)	122.0 (104.0–138.0)	110.0 (100.0–131.0)
Respiratory rate (breaths/min)	28.0 (24.0–32.0)	24.0 (20.0–26.0)	20.0 (20.0–20.0)	22.0 (20.0–26.0)	24.0 (22.0–28.0)	22.0 (20.0–27.0)
Body temperature (°C)	37.4 (36.7–38.5)	37.0 (36.5–38.1)	36.7 (36.5–37.3)	36.6 (36.4–36.8)	37.5 (36.7–38.5)	36.9 (36.5–37.9)
ED length of stay (min)	94.0 (45.0–191.0)	84.0 (42.0–160.0)	98.0 (51.0–169.0)	61.0 (32.0–115.0)	101.0 (50.0–190.0)	83.5 (38.0–152.0)
ED disposition						
Discharge	261,319 (82.7)	522,610 (89.4)	69,865 (86.3)	239,610 (95.6)	614,106 (84.1)	78 (34.2)
Admission to GW	50,214 (15.9)	59,902 (10.2)	10,657 (13.2)	9,984 (4.0)	110,782 (15.2)	7 (3.1)
Admission to ICU	3,733 (1.2)	1,022 (0.2)	313 (0.4)	707 (0.3)	4,360 (0.6)	1 (0.4)
Mortality	15 (0.0)	11 (0.0)	2 (0.0)	7 (0.0)	21 (0.0)	0 (0.0)
Unknown	518 (0.2)	1,005 (0.2)	111 (0.1)	399 (0.2)	1,093 (0.1)	142 (62.3)
Grade ^{b)} of heart rate by age						
Grade -3	1,274 (0.4)	535 (0.1)	55 (0.1)	684 (0.3)	1,180 (0.2)	0 (0.0)
Grade -2	6,170 (2.0)	1,866 (0.3)	39 (0.0)	3,070 (1.2)	4,995 (0.7)	10 (4.4)
Grade -1	29,592 (9.4)	18,478 (3.2)	2,037 (2.5)	18,196 (7.3)	31,890 (4.4)	21 (9.2)
Grade 0	175,654 (55.6)	303,882 (52.0)	44,801 (55.3)	160,913 (64.2)	363,315 (49.7)	109 (47.8)
Grade 1	49,750 (15.8)	148,704 (25.4)	17,800 (22.0)	47,070 (18.8)	169,142 (23.2)	42 (18.4)
Grade 2	30,027 (9.5)	65,393 (11.2)	9,631 (11.9)	14,314 (5.7)	90,716 (12.4)	21 (9.2)
Grade 3	18,518 (5.9)	39,296 (6.7)	6,245 (7.7)	3,934 (1.6)	60,103 (8.2)	22 (9.6)
Unknown	4,814 (1.5)	6,396 (1.1)	340 (0.4)	2,526 (1.0)	9,021 (1.2)	3 (1.3)
Grade ^{b)} of respiratory rate by age						
Grade -3	133 (0.0)	567 (0.1)	12 (0.0)	263 (0.1)	449 (0.1)	0 (0.0)
Grade -2	32,083 (10.2)	5,753 (1.0)	121 (0.1)	11,530 (4.6)	26,399 (3.6)	28 (12.3)
Grade -1	162,604 (51.5)	102,815 (17.6)	790 (1.0)	68,038 (27.1)	198,107 (27.1)	64 (28.1)
Grade 0	107,878 (34.2)	282,938 (48.4)	12,889 (15.9)	99,000 (39.5)	304,621 (41.7)	84 (36.8)
Grade 1	4,309 (1.4)	159,239 (27.2)	60,535 (74.8)	63,561 (25.4)	160,481 (22.0)	41 (18.0)
Grade 2	907 (0.3)	15,359 (2.6)	4,761 (5.9)	4,094 (1.6)	16,927 (2.3)	6 (2.6)
Grade 3	625 (0.2)	13,385 (2.3)	1,678 (2.1)	2,670 (1.1)	13,013 (1.8)	5 (2.2)
Unknown	7,260 (2.3)	4,494 (0.8)	162 (0.2)	1,551 (0.6)	10,365 (1.4)	0 (0.0)

The continuous variables are presented as median (interquartile range).

NA, not available; ED, emergency department; GW, general ward; ICU, intensive care unit; SD, standard deviation.

^{a)}Age groups were divided as follows: infancy, between birth and 2 years of age; childhood, from 2 to 12 years of age; and adolescence, from 12 to 15 years of age. ^{b)}Grade -3, 3 or more SDs < normal range; grade -2, 2 SDs < normal range; grade -1, 1 SD < normal range; grade 0, normal range; grade 1, 1 SD > normal range; grade 2, 2 SDs > normal range; grade 3, 3 or more SDs > normal range.