

Supplementary Table 1. Self-reported adverse events after COVID-19 vaccination based on a text-based survey

	5-11years old	12-17years old			Pregnant	Adults		
	Dose 1 (n=1,025)	Dose 1 (n=10,389)	Dose 2 (n=3,147)	Dose 3 (n=3,523)	Dose 1 (n=215)	Dose 1 (n=23,131)	Dose 2 (n=17,338)	Dose 3 (n=5,515)
Local reaction	336 (32.8)	5,009 (48.2)	1,672 (53.1)	2,121 (60.2)	89 (41.4)	6,609 (28.57)	3,462 (19.97)	2,873 (52.09)
Pain at injection site	309 (30.1)	4,612 (44.4)	1,546 (49.1)	1,969 (55.9)	78 (36.3)	6,438 (27.83)	3,291 (18.98)	2,710 (49.14)
Redness	17 (1.7)	234 (2.3)	108 (3.4)	205 (5.8)	7 (3.3)	949 (4.10)	474 (2.73)	308 (5.58)
Swelling	58 (5.7)	973 (9.4)	371 (11.8)	661 (18.8)	9 (4.2)	1,983 (8.57)	936 (5.40)	701 (12.71)
Itching	30 (2.9)	276 (2.7)	107 (3.4)	184 (5.2)	12 (5.6)	746 (3.23)	477 (2.75)	287 (5.20)
Urticaria	5 (0.5)	51 (0.5)	14 (0.4)	28 (0.8)	1 (0.5)	-	-	53 (0.96)
Others	42 (4.1)	592 (5.7)	195 (6.2)	247 (7.0)	27 (12.6)	-	-	677 (12.28)
Systemic reaction	275 (26.8)	4,351 (41.9)	1,651 (52.5)	2,170 (61.6)	84 (39.1)	7,363 (31.83)	3,935 (22.70)	2,835 (51.41)
Fever	94 (9.2)	797 (7.7)	723 (23.0)	1,118 (31.7)	19 (8.8)	3,865 (16.71)	1,234 (7.12)	1,317 (23.88)
Chills	55 (5.4)	596 (5.7)	452 (14.4)	817 (23.2)	10 (4.7)	4,120 (17.81)	1,205 (6.95)	921 (16.70)
Headache	97 (9.5)	1,717 (16.5)	999 (31.7)	1,444 (41.0)	36 (16.7)	4,702 (20.33)	2,053 (11.84)	1,528 (27.71)
Joint pain	15 (1.5)	266 (2.6)	181 (5.8)	376 (10.7)	9 (4.2)	2,522 (10.90)	842 (4.86)	753 (13.65)
Myalgia	132 (12.9)	2,474 (23.8)	865 (27.5)	1,325 (37.6)	44 (20.5)	5,662 (24.48)	2,403 (13.86)	2,039 (36.97)
Fatigue	95 (9.3)	2,091 (20.1)	892 (28.3)	1,365 (38.8)	52 (24.2)	5,406 (23.37)	2,644 (15.25)	1,980 (35.90)
Nausea	37 (3.6)	680 (6.6)	322 (10.2)	591 (16.8)	19 (8.8)	2,416 (10.44)	1,057 (6.10)	671 (12.17)
Vomiting	13 (1.3)	47 (0.5)	28 (0.9)	68 (1.9)	4 (1.9)	323 (1.40)	127 (0.73)	64 (1.16)
Diarrhea	16 (1.6)	224 (2.2)	81 (2.6)	166 (4.7)	11 (5.1)	590 (2.55)	258 (1.49)	188 (3.41)
Abdominal pain	20 (2.0)	379 (3.7)	171 (5.4)	204 (5.8)	5 (2.3)	509 (2.20)	193 (1.11)	166 (3.01)
Rash	3 (0.3)	35 (0.3)	16 (0.5)	26 (0.7)	0 (0)	112 (0.48)	43 (0.25)	13 (0.24)
Armpit tenderness	30 (2.9)	412 (4.0)	327 (10.4)	690 (19.6)	6 (2.8)	-	-	780 (14.14)
Others	42 (4.1)	523 (5.0)	180 (5.7)	188 (5.3)	14 (6.5)	313 (1.35)	282 (1.63)	456 (8.27)
Unable to perform daily activities	95 (9.3)	1,052 (10.1)	613 (19.5)	1,041 (29.6)	38 (17.7)	2,846 (12.30)	815 (4.70)	1,430 (25.93)
Seek to medical care	35 (3.4)	116 (1.1)	44 (1.4)	134 (3.8)	3 (1.4)	484 (2.09)	107 (0.62)	107 (1.94)
Emergency departments visit	0 (0)	18 (0.2)	7 (0.2)	8 (0.2)	1 (0.5)	105 (0.45)	33 (0.19)	22 (0.40)
Hospitalized	0 (0)	2 (0)	0 (0)	0 (0)	0 (0)	170 (0.73)	72 (0.42)	1 (0.2)
Outpatient clinic visit	35 (3.4)	100 (1.0)	39 (1.2)	127 (3.6)	2 (0.9)	11 (0.5)	5 (0.3)	85 (1.54)

Events reported by respondents who completed at least one text message-based survey on days 0–7 after the coronavirus disease-19 vaccination. The respondents reported multiple adverse events on each day. The results of the first and second doses at 5–11 and 12–17 years were adapted from a previous study.²¹⁾