

Table S1. Comparisons of adverse events and health conditions between vaccine doses among children and adolescents aged 5 to 17 years following Pfizer-BioNTech COVID-19 vaccination, Republic of Korea, December 13, 2021 to June 20, 2022

Events ^{a)}	Age group (5–11 y)			Age group (12–17 y)		
	Dose 1 (n = 1,025)	Dose 2 (n = 541)	p-value ^{c)}	Dose 1 (n = 10,389)	Dose 2 (n = 3,147)	p-value ^{c)}
Local adverse events	336 (32.8)	148 (27.4)	0.027	5,009 (48.2)	1,672 (53.1)	< 0.001
Pain	309 (30.1)	133 (24.6)	0.020	4,612 (44.4)	1,546 (49.1)	< 0.001
Redness	17 (1.7)	11 (2.0)	0.595	234 (2.3)	108 (3.4)	< 0.001
Swelling	58 (5.7)	29 (5.4)	0.807	973 (9.4)	371 (11.8)	< 0.001
Itching	30 (2.9)	11 (2.0)	0.292	276 (2.7)	107 (3.4)	0.028
Urticaria	5 (0.5)	1 (0.2)	0.671	51 (0.5)	14 (0.4)	0.744
Others	42 (4.1)	25 (4.6)	0.626	592 (5.7)	195 (6.2)	0.296
Systemic adverse events	275 (26.8)	121 (22.4)	0.053	4,351 (41.9)	1,651 (52.5)	< 0.001
Fever	94 (9.2)	48 (8.9)	0.845	797 (7.7)	723 (23.0)	< 0.001
Chills	55 (5.4)	21 (3.9)	0.194	596 (5.7)	452 (14.4)	< 0.001
Headache	97 (9.5)	40 (7.4)	0.168	1,717 (16.5)	999 (31.7)	< 0.001
Joint pain	15 (1.5)	3 (0.6)	0.109	266 (2.6)	181 (5.8)	< 0.001
Myalgia	132 (12.9)	48 (8.9)	0.018	2,474 (23.8)	865 (27.5)	< 0.001
Fatigue or tiredness	95 (9.3)	45 (8.3)	0.531	2,091 (20.1)	892 (28.3)	< 0.001
Nausea	37 (3.6)	14 (2.6)	0.279	680 (6.5)	322 (10.2)	< 0.001
Vomiting	13 (1.3)	5 (0.9)	0.544	47 (0.5)	28 (0.9)	0.004
Diarrhea	16 (1.6)	6 (1.1)	0.470	224 (2.2)	81 (2.6)	0.167
Abdominal pain	20 (2.0)	10 (1.8)	0.888	379 (3.6)	171 (5.4)	< 0.001
Rash	3 (0.3)	0	0.556	35 (0.3)	16 (0.5)	0.169
Armpit tenderness	30 (2.9)	20 (3.7)	0.410	412 (4.0)	327 (10.4)	< 0.001
Chest pain ^{b)}	8 (0.8)	6 (1.1)	0.575	-	-	-
Heart palpitations ^{b)}	4 (0.4)	1 (0.2)	0.665	-	-	-
Others	42 (4.1)	19 (3.5)	0.569	523 (5.0)	180 (5.7)	0.129
Unable to perform normal daily activities	95 (9.3)	39 (7.2)	0.166	1,052 (10.1)	613 (19.5)	< 0.001
Visits to medical facilities	35 (3.4)	20 (3.7)	0.773	116 (1.1)	44 (1.4)	0.200
Emergency department visit	0	0	-	18 (0.2)	7 (0.2)	0.574
Hospitalization	0	1 (0.2)	0.346	2 (0)	0	1.000
Clinic visit	35 (3.4)	19 (3.5)	0.920	100 (1.0)	39 (1.2)	0.177

Data are presented as n (%): the percentage of respondents who reported adverse events and health conditions at least once during days 0 to 7 post-vaccination.

COVID-19, coronavirus disease 2019.

^{a)}Events reported by respondents who completed at least 1 text message-based survey on days 0 to 7. Respondents were able to report multiple adverse events on each day. ^{b)}These were additionally investigated only for children aged 5 to 11 years. ^{c)}Chi-square or Fisher exact test as appropriate.