

TABLE 2. Adverse reactions and health impacts reported to v-safe for persons aged  $\geq 12$  years\* who received a bivalent Pfizer-BioNTech or Moderna COVID-19 vaccine booster dose — United States, August 31–October 23, 2022

Event	% Reporting reaction/health impact after vaccination, by age group, yrs <sup>†</sup>					Total N = 211,959
	12–17 n = 1,464	18–49 n = 68,592	50–64 n = 59,209	$\geq 65$ n = 82,694		
• 注射部位の反応	68.7	72.9	62.0	49.7	60.8	
• 痒み	4.6	8.9	7.8	6.9	7.8	
• 疼痛	66.9	70.5	58.8	45.0	57.3	
• 発赤	8.5	10.8	9.1	7.6	9.1	
• 腫脹	13.7	18.4	14.7	9.9	14.0	
• 全身反応	59.8	67.9	55.2	43.5	54.8	
• 腹痛	6.4	5.5	3.6	2.1	3.6	
• 筋肉痛	33.6	41.3	29.0	20.3	29.6	
• 悪寒	19.6	20.6	13.7	9.1	14.2	
• 発熱	45.2	53.1	40.0	30.0	40.4	
• 倦怠感	26.3	23.7	16.6	10.2	16.4	
• 頭痛	36.3	42.8	31.5	19.7	30.6	
• 関節痛	14.5	21.7	16.8	11.1	16.1	
• 吐き気	12.4	12.9	7.9	4.5	8.2	
• 下痢	3.0	6.7	5.4	3.8	5.2	
• 発疹	1.4	1.3	1.1	0.9	1.1	
• 嘔吐	2.5	1.2	0.6	0.4	0.7	
	26.8	24.2	17.3	11.6	17.3	
	18.4	19.8	14.7	10.6	14.8	
	15.6	11.3	6.0	1.6	6.1	
	1.2	0.9	0.7	0.8	0.8	
Telehealth	0.2	0.3	0.2	0.2	0.3	
Clinic	0.8	0.4	0.3	0.3	0.3	
• 救急受診	0.1	0.1	0.1	0.1	0.1	
• 入院	0	0	0	0	0	

TABLE 3. Events\* reported to the Vaccine Adverse Event Reporting System for persons aged ≥12 years† after receipt of a bivalent Pfizer-BioNTech or Moderna COVID-19 vaccine booster dose — United States, August 31–October 23, 2022

Adverse events	Vaccine, no. reporting (%)		
	Pfizer-BioNTech	Moderna	Total <sup>§</sup>
Total	2,928	2,615	5,542
Vaccination errors <sup>¶</sup>	877 (30.0)	1,037 (39.7)	1,913 (34.5)
Error without adverse health event	717 (81.8)	972 (93.7)	1,688 (88.2)
Error with adverse health event**	160 (18.2)	65 (6.3)	225 (11.8)
Error with nonserious health event <sup>††</sup>	157 (17.9)	61 (5.9)	218 (11.4)
Error with serious health event	3 (0.3)	4 (0.4)	7 (0.4)
<b>Nonserious reports<sup>§§,¶¶</sup></b>	<b>2,762 (94.3)</b>	<b>2,530 (96.8)</b>	<b>5,291 (95.5)</b>
Headache	343 (12.4)	285 (11.3)	628 (11.9)
Fatigue	318 (11.5)	257 (10.2)	575 (10.9)
Fever	299 (10.8)	262 (10.4)	561 (10.6)
Pain	293 (10.6)	231 (9.1)	524 (9.9)
Chills	254 (9.2)	205 (8.1)	459 (8.7)
Pain in extremity	209 (7.8)	167 (6.6)	376 (7.1)
Nausea	213 (7.7)	144 (5.7)	357 (6.8)
Dizziness	212 (7.7)	135 (5.3)	347 (6.6)
Injection site pain	138 (5.0)	121 (4.8)	259 (4.9)
COVID-19	169 (6.1)	89 (3.5)	258 (4.9)
<b>Serious reports<sup>***,†††</sup></b>	<b>166 (5.7)</b>	<b>85 (3.3)</b>	<b>251 (4.5)</b>
Allergic reaction/Anaphylaxis	6	2	8
Appendicitis	4	1	5
Arrhythmia	8	5	13
Atrial fibrillation	5	4	9
Atrioventricular node block, second or third degree	2	0	2
Supraventricular tachycardia	0	1	1
Other	1	0	1
新型コロナウイルス感染	14	6	20
死亡	27	9	36
呼吸困難	4	1	5
失神	1	6	7
ギランバレー症候群	2	0	2
急性高血圧	7	3	10
心外膜炎	1	3	4
肺炎	6	1	7
痙攣	6	0	6
血栓性疾患	20	11	31
Stroke or transient ischemic attack	12	5	17
Pulmonary embolism	5	5	10
Other	3	1	4
胸痛	9	3	12
心筋梗塞	5	3	8
心筋炎	3	2	5