

Table 2 Distribution of responses of COVID-19-recovered patients at King Abdulaziz Medical City on the Vaccination Attitude Examination scale, Saudi Arabia, 2021

| Concern domain | Strongly agree/ agree No. (%) | Not sure No. (%) | Disagree/strongly disagree No. (%) |
|---|-------------------------------------|--------------------------|--|
| Mistrust of vaccine benefits | | | |
| I feel safe after being vaccinated | 13 (4.1) | 68 (21.3) | 238 (74.6) ^a |
| I can rely on vaccines to stop serious infectious diseases | 9 (2.8) | 71 (22.3) | 239 (74.9) ^a |
| I feel protected after getting vaccinated | 12 (3.8) | 72 (22.6) | 235 (73.7) ^a |
| Mean score % (SD) (grading) | | 90.28 (15.38) (high) | |
| Worries about the effects | | | |
| Although most vaccines appear to be safe, there may be problems that we have not yet discovered | 107 (33.5) ^a | 117 (36.7) | 95 (29.8) |
| Vaccines can cause unforeseen problems in children | 66 (20.7) ^a | 92 (28.8) | 161 (50.5) |
| I worry about the unknown effects of vaccines in the future | 75 (23.5) ^a | 93 (29.2) | 151 (47.3) |
| Mean score % (SD) (grading) | | 60.29 (10.46) (moderate) | |
| Commercial profiteering concerns | | | |
| Vaccines make a lot of money for pharmaceutical companies, but do not do much for regular people | 46 (14.4) ^a | 61 (19.1) | 212 (66.5) |
| Authorities promote vaccination for financial gain, not for people's health | 25 (7.8) ^a | 42 (13.2) | 252 (79.0) |
| Vaccination programmes are a big con | 13 (4.1) ^a | 33 (10.3) | 273 (85.6) |
| Mean score % (SD) (grading) | | 43.92 (17.09) (low) | |
| Natural immunity preference | | | |
| Natural immunity lasts longer than a vaccination | 187 (58.6) ^a | 100 (31.3) | 32 (10.0) |
| Natural exposure to viruses and germs gives the safest protection | 183 (57.4) ^a | 81 (25.4) | 55 (17.2) |
| Being exposed to diseases naturally is safer for the immune system than being exposed through vaccination | 188 (58.9) ^a | 81 (25.4) | 50 (15.7) |
| Mean score % (SD) (grading) | | 81.33 (20.88) (high) | |
| Overall mean score % (SD) (grading) | | 68.96 (7.48) (moderate) | |

^aNegative attitude.