

Supplemental Information

Sentiments regarding COVID-19 Vaccination among Graduate Students in Singapore

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Figure S1

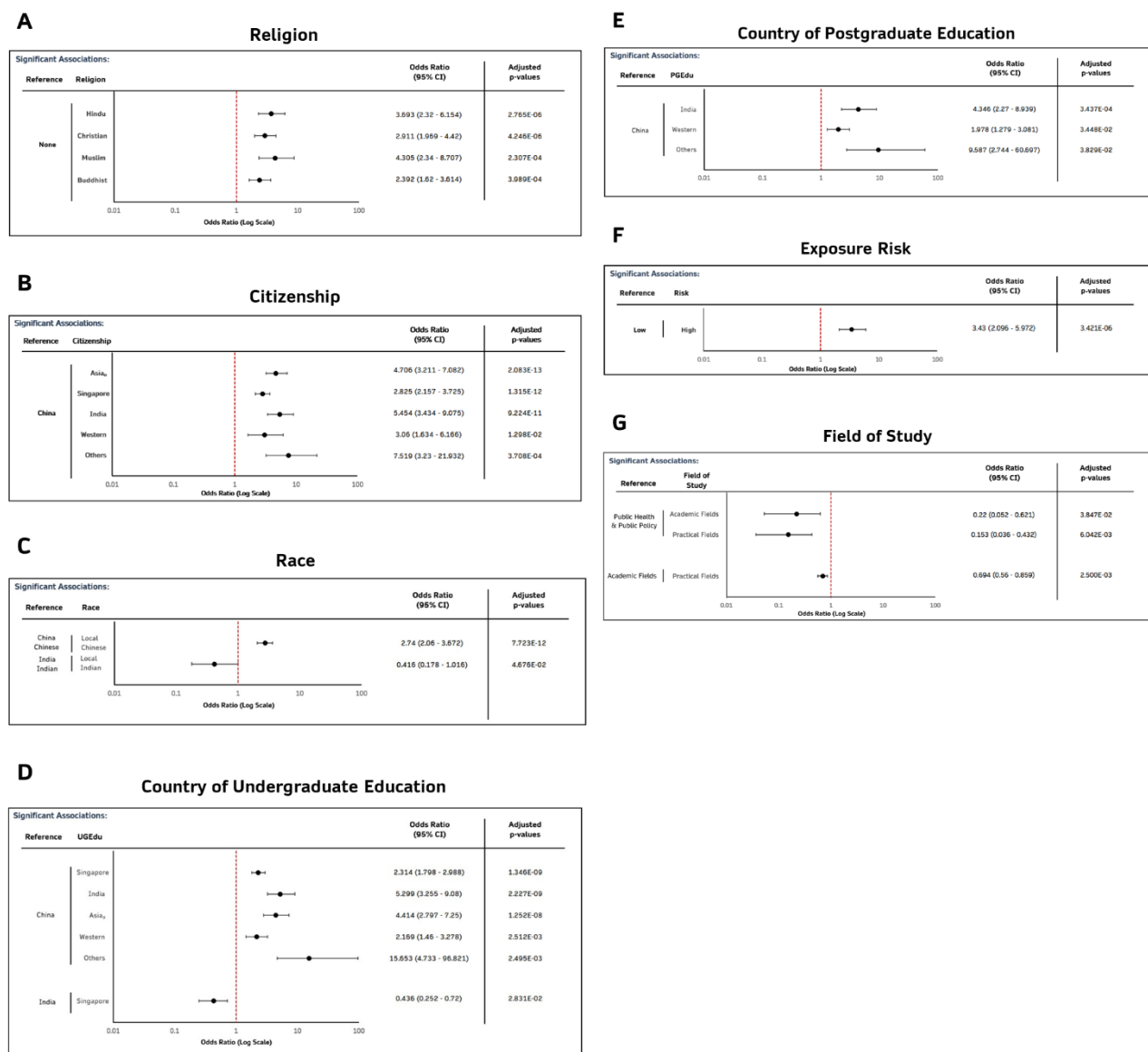
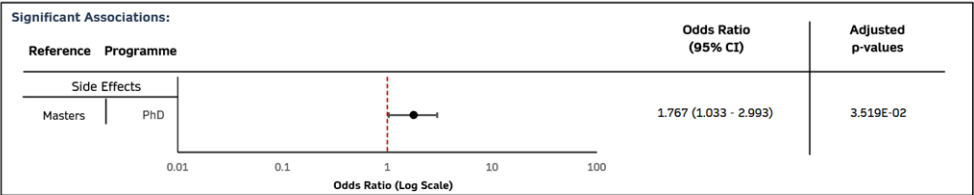


Figure S1. Odd ratio plots for demographic variables of the graduate students. The plots only show the associations that are significant after Bonferroni correction (Adjusted *P*-value <0.05).

Figure S2

A

Vaccination Concerns across Programmes



B

Vaccination Concerns across Citizenships

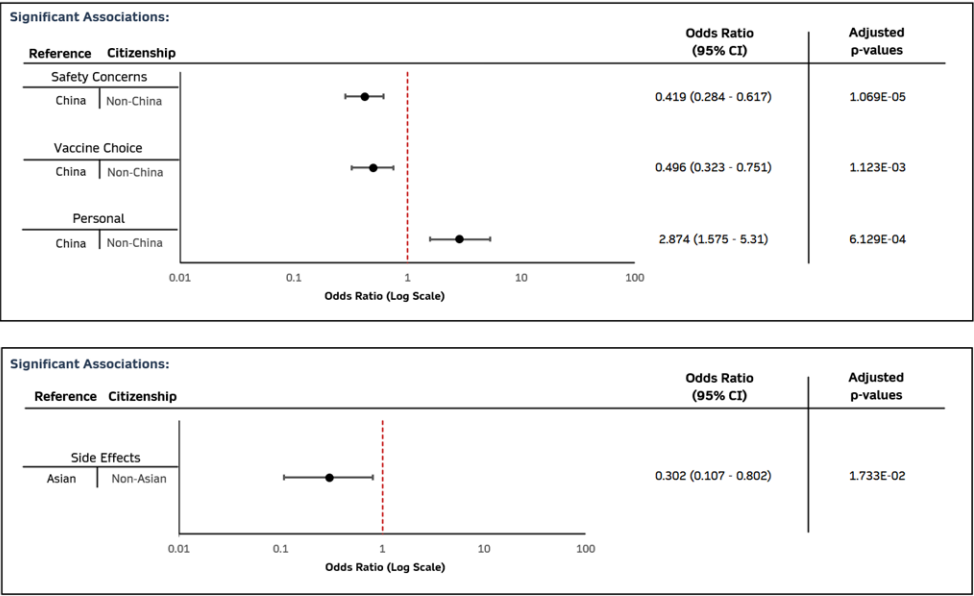


Figure S2. Odd ratio plots for vaccination concerns. The plots only show the associations that are significant after Bonferroni correction (Adjusted *P*-value <0.05).

Figure S3

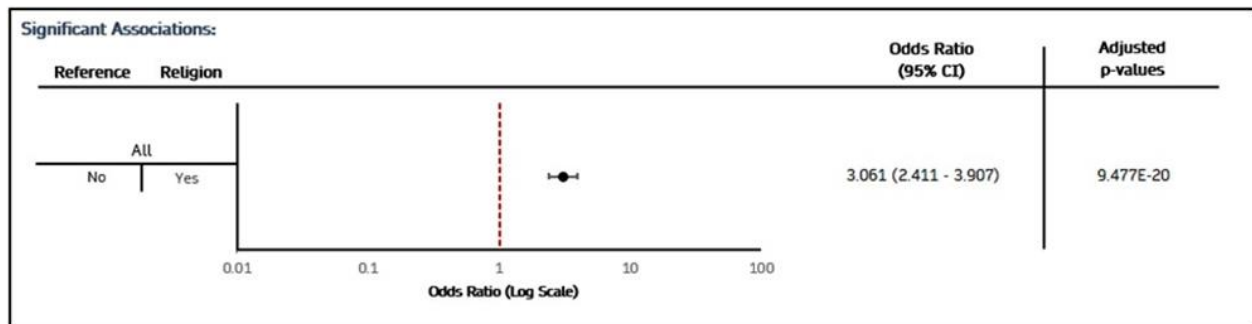
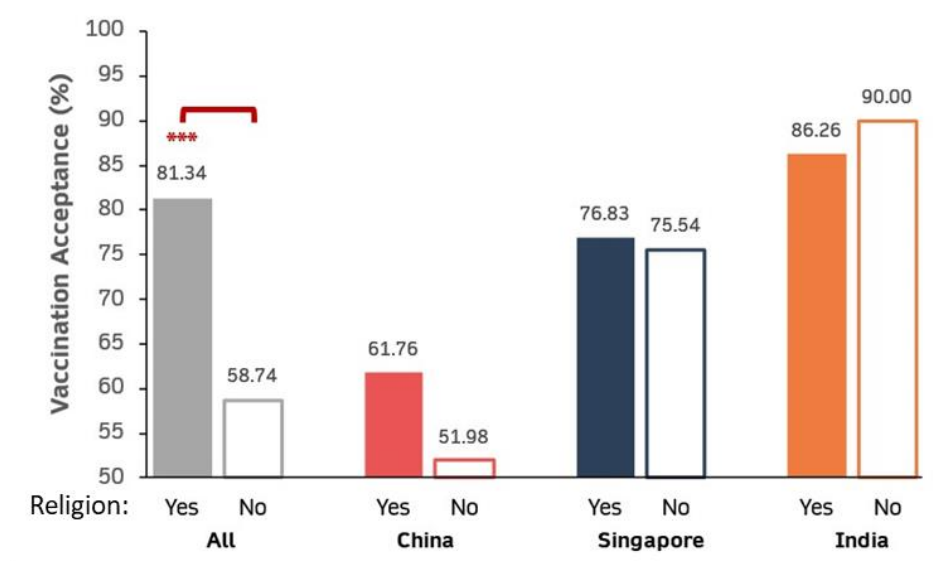


Figure S3. Religion and vaccination sentiments. (Top) Bar chart shows the percentage of vaccination acceptance of religious and non-religious graduate students from all countries, China, Singapore, and India respectively. (Bottom) Odd ratio plots for religion and vaccination sentiments. The plot only shows the association that is significant after Bonferroni correction (Adjusted P-value <0.05).

Table S1. Summary for the background of the graduate students who responded to the survey.

	Variables		Number (Percentage)
Demographic	Age (mean (SD))		27.60 (4.55)
	Gender (%)	Female	654 (41.2)
		Male	935 (58.8)
	Race (%)	Chinese	339 (85.8)
		Indian	37 (9.4)
		Malay	14 (3.5)
		Others	5 (1.3)
	Religion (%)	Buddhist	157 (10.7)
		Christian	173 (11.8)
		Hindu	134 (9.2)
		Muslim	80 (5.5)
		Taoist	18 (1.2)
		Others	48 (3.3)
	Citizenship group (%)	None	854 (58.3)
		Asia	217 (13.7)
		China	716 (45.1)
		Singapore	402 (25.3)
		Western	69 (4.3)
India		152 (9.6)	
Others		33 (2.1)	
Education	Programme type (%)	Master	199 (12.5)
		PhD	1390 (87.5)
	Field of study (%)	Arts & Social Sciences	254 (16.0)
		Business	55 (3.5)
		Computing	154 (9.7)
		Design and Environment	42 (2.6)
		Engineering	579 (36.4)
		ISEP	81 (5.1)
		Law	14 (0.9)
		Medical science	34 (2.1)
		Public Health	24 (1.5)
		Public Policy	13 (0.8)
		Science	339 (21.3)
	STEM (%)	Non-STEM	378 (23.8)
STEM		1211 (76.2)	
Others	Exposure risk (%)	No	1455 (91.6)
		Yes	134 (8.4)
	Vaccination (%)	No	501 (31.5)
		Yes	1088 (68.5)
SD: Standard deviation; ISEP: Integrative Science and Engineering; STEM: Science, Technology, Engineering and Math			

Table S2. Specific countries for citizenship, undergraduate education and postgraduate education of graduate students who responded to the survey.

No.	Country		Citizenship	Undergraduate	Postgraduate
1	Asia	Singapore			
2		China			
3		India			
4		Malaysia			
5		Indonesia			
6		Korea, Republic of			
7		Thailand			
8		Sri Lanka			
9		Philippines			
10		Taiwan			
11		Hong Kong SAR, China			
12		Bangladesh			
13		Pakistan			
14		Japan			
15		Nepal			
16		Vietnam			
17		Cambodia			
18		Myanmar			
19		Lao People's Democratic Rep			
20		Macao SAR, China			
21	Western	United States			
22		United Kingdom			
23		Netherlands			
24		France			
25		Canada			
26		Germany			
27		Italy			
28		Peru			
29		Brazil			
30		Spain			
31		Hungary			
32		Finland			
33		Mexico			
34		Poland			
35		Switzerland			
36		Malta			
37		New Zealand			
38		Colombia			
39		Denmark			
40		Britain			
41		Australia			
42		Norway			
43		Sweden			
44		Costa Rica			
45		Ireland			
46	Others	Turkey			
47		Iran (Islamic Republic Of)			
48		Russian Federation			
49		Egypt			
50		Romania			
51		Israel			
52		Republic of Serbia			
53		Morocco			
54		Kazakhstan			
55		Greece			
56		Palestinian Territory, Occupied			
57		Uzbekistan			
58		Ghana			
59		Mauritius			
60		Saudi Arabia			
61		Lebanon			

Countries in "Asia" refer to countries in Southern, Eastern and South-Eastern Asia (<https://www.worldometers.info/geography/how-many-countries-in-asia/>). Countries in "Western" are the western countries that are defined in <https://worldpopulationreview.com/country-rankings/western-countries>. Countries that are not under "Asia" and "Western" categories are labelled as "Others". Grey box: Not present in this survey for the specific category.