

Supplemental Online Content

Butt AA, Dargham SR, Chemaitelly H, et al. Severity of illness in persons infected with the SARS-CoV-2 Delta variant vs Beta variant in Qatar. *JAMA Intern Med*. Published online December 22, 2021. doi:10.1001/jamainternmed.2021.7949

eTable. Baseline characteristics before propensity score matching.

eFigure. A plot demonstrating the effect of propensity score matching in our study population.

This supplemental material has been provided by the authors to give readers additional information about their work.

eTable. Baseline characteristics before propensity score matching.

	Delta variant N=1,427	Beta variant N=5,353	P-value
	% (95% CI) unless indicated otherwise	% (95% CI) unless indicated otherwise	
Age			
Median (IQR), years	32 (25-39)	34 (26-42)	<0.001 ^a
0-19 years	11.3 (9.7-13.0)	14.7 (13.8-15.7)	<0.001 ^b
20-39 years	64.8 (62.2-67.2)	53.7 (52.4-55.1)	
40-59 years	21.7 (19.6-24.0)	28.0 (26.8-29.2)	
+60 years	2.2 (1.5-3.2)	3.6 (3.1-4.1)	
Male sex	79.2 (77.0-81.3)	68.2 (67.0-69.5)	<0.001 ^b
Nationality			
Qatari	12.7 (11.0-14.5)	14.1 (13.2-15.1)	<0.001 ^b
Indian subcontinent [†]	68.1 (65.6-70.5)	52.8 (51.5-54.2)	
Other nationalities [‡]	19.2 (17.2-21.3)	33.0 (31.8-34.3)	
BMI[#]			
Median (IQR)	25.8 (21.2-30.3)	26.4 (21.7-30.4)	0.13 ^a
Underweight	15.3 (12.1-19.0)	15.5 (14.1-16.9)	0.13 ^b
Normal weight	30.8 (26.6-35.3)	25.7 (24.0-27.4)	
Overweight	27.9 (23.8-32.3)	31.5 (29.7-33.3)	
Obese	25.9 (22.0-30.3)	27.4 (25.7-29.1)	
Comorbidities			
Asthma	13.7 (12.0-15.6)	17.2 (16.2-18.3)	0.002 ^b
Cancer	0.3 (0.1-0.7)	0.7 (0.5-0.9)	0.09 ^b
Chronic kidney disease	0.6 (0.3-1.2)	1.1 (0.8-1.4)	0.14 ^b
Chronic liver disease	0.1 (0.0-0.5)	0.3 (0.2-0.5)	>0.55 ^b
COPD	5.9 (4.7-7.2)	6.9 (6.3-7.6)	0.17 ^b
CAD	0.9 (0.5-1.6)	2.1 (1.7-2.5)	0.003 ^b
Diabetes	5.0 (4.0-6.3)	9.5 (8.7-10.3)	<0.001 ^b
Hypertension	4.9 (3.8-6.2)	9.5 (8.7-10.3)	<0.001 ^b
Stroke	0.3 (0.1-0.7)	0.4 (0.3-0.6)	0.48 ^b
Comorbidity count			
None	81.5 (79.4-83.5)	73.1 (71.9-74.3)	<0.001 ^b
1	8.9 (7.5-10.5)	13.5 (12.6-14.5)	
2 or more	9.6 (8.1-11.3)	13.4 (12.5-14.3)	

[†]Includes India, Pakistan, Bangladesh, Nepal, Sri Lanka, plus Sudan due to large proportions of these nationals being craft and manual workers.

[‡]Other nationalities includes 39 nationalities.

[#]BMI data only available for 451 cases among Delta patients and for 2,639 cases among Beta patients

^ap-value estimated using the Mann-Whitney test.

^bp-value estimated using the Chi-square test.

eFigure. A plot demonstrating the effect of propensity score matching in our study population.

