

Supplemental Table S3. Standardized Mean Differences of Propensity Score Matching and Multiple Logistic Regression Analysis

Variable	Before matching				After matching			
	COVID-19 (n=2,231)	Test negative control (n=74,101)	Standardized difference	P value	COVID-19 (n=2,231)	Test negative control (n=22,310)	Standardized difference	P value
Continuous variable								
CCI	2.73±2.26	3.12±2.95	-0.133	<0.001	2.73±2.26	2.74±2.29	-0.004	0.764
Categorical variable								
Age group, yr			0.243	<0.001			0	1
20–29	163 (7.3)	8,406 (11.3)			163 (7.3)	1,630 (7.3)		
30–39	233 (10.4)	16,795 (22.7)			233 (10.4)	2,330 (10.4)		
40–49	382 (17.1)	14,823 (20.0)			382 (17.1)	3,820 (17.1)		
50–59	677 (30.3)	12,938 (17.5)			677 (30.3)	6,770 (30.3)		
60–69	497 (22.3)	10,112 (13.6)			497 (22.3)	4,970 (22.3)		
70–79	212 (9.5)	7,109 (9.6)			212 (9.5)	2,120 (9.5)		
≥80	67 (3)	3,918 (5.3)			67 (3)	670 (3)		
Male sex	871 (39.0)	36,374 (49.1)	0.243	<0.001	871 (39.0)	8,710 (39.0)	0	1
Coverage for low income	142 (6.4)	1,937 (2.6)	0.512	0.002	142 (6.4)	1,051 (4.7)	0.176	0.003
Categorical variable ^a								
Diabetes	756 (33.9)	22,509 (30.4)	0.091	<0.001	756 (33.9)	6,392 (28.7)	0.135	0.001
Hypertension	729 (32.7)	23,095 (31.2)	0.038	<0.001	729 (32.7)	7,280 (32.6)	0.001	0.001
Chronic heart disease	502 (22.5)	17,782 (24.0)	-0.046	<0.001	502 (22.5)	4,580 (21.7)	0.064	0.001
Chronic lung disease	1,093 (49)	39,713 (53.6)	-0.102	<0.001	1,093 (49)	11,222 (50.3)	-0.029	<0.001
Asthma	574 (25.7)	21,554 (29.1)	-0.093	<0.001	574 (25.7)	6,045 (27.1)	-0.040	0.001
Chronic liver disease	1,206 (54.1)	35,939 (48.5)	0.123	<0.001	1,206 (54.1)	10,509 (47.1)	0.154	<0.001
Chronic kidney disease	185 (8.3)	7,395 (10.0)	-0.112	0.002	185 (8.3)	1,758 (7.9)	0.031	0.002
Cancer	182 (8.2)	13,868 (18.7)	-0.525	0.002	182 (8.2)	3,386 (15.2)	-0.386	0.002
Rheumatologic disease	12 (0.5)	1,001 (1.4)	-0.512	0.026	12 (0.5)	266 (1.2)	-0.443	0.027
Chronic neurologic disease	440 (19.7)	15,978 (21.6)	-0.062	0.001	440 (19.7)	4,590 (20.6)	-0.029	0.001

Values are expressed as mean ± standard deviation or number (%).

COVID-19, coronavirus disease 2019; CCI, Charlson comorbidity index.

^aCategorical variables that were not included in the propensity score matching but included the multiple logistic regression analysis.