

Supplementary Material

11. Supplementary Figures and Tables

11.1 Supplementary Table S1. Participant Demographics and Characteristics

Characteristic	Frequency (%) (N = 282)	Characteristic	Frequency (%) (N = 282)
Age (years)		Underlying Medical Conditions	
Mean	51.4	Yes	135 (47.9)
Median	55.0	No	147 (52.1)
Range	18-80	Hypertension	
Age (years by category)		Yes	91 (32.3)
18-50	123 (43.6)	No	191 (67.7)
51-64	86 (30.5)	Diabetes	
65-80	73 (25.9)	Yes	58 (20.6)
Biological Sex		No	224 (79.4)
Male	130 (46.1)	Dyslipidemia	
Female	152 (53.9)	Yes	51 (18.1)
Race/Ethnicity		No	231 (81.9)

<i>White</i>	173 (61.3)	Received COVID-19 Vaccine	
<i>Hispanic/Latinx</i>	67 (23.8)	<i>Yes</i>	150 (53.2)
<i>Asian</i>	26 (9.2)	<i>No</i>	132 (46.8)
<i>Other</i>	16 (5.7)	Vitamin D Supplementation	
Employment Status		<i>Yes</i>	100 (35.5)
<i>Full-Time</i>	121 (42.9)	<i>No</i>	182 (64.5)
<i>Part-Time</i>	44 (15.6)	Previously Received Oral Polio Vaccine (OPV)	
<i>Not Employed</i>	117 (41.5)	<i>Yes</i>	207 (73.4)
Education Completed		<i>No</i>	75 (26.6)
<i>Graduate Degree</i>	50 (17.7)	Tested Positive for SARS-CoV-2	
<i>Bachelor or Associate</i>	106 (37.6)	<i>Yes</i>	99 (35.1)
<i>High School or Less</i>	126 (44.7)	<i>No</i>	183 (64.9)
Exposed to Omicron or Delta SARS-CoV-2 Strain		Experienced COVID-19 Symptoms	
<i>Omicron</i>	160 (56.7)	<i>Yes</i>	111 (39.4)
<i>Delta</i>	122 (43.3)	<i>No</i>	171 (60.6)

Health Insurance		Duration of COVID-19 Symptoms	
<i>Private</i>	157 (55.7)	<i>Mean</i>	10.3 days
<i>Medicare</i>	70 (24.8)	<i>Median</i>	7.0 days
<i>Medicaid</i>	31 (11.0)	<i>Range</i>	1 day - 120 days ^(N=1)
<i>No Insurance</i>	24 (8.5)		

11.2 Supplementary Table S2. Main Effects of Predictor Variables

Indep. Variable	Tested Positive for SARS-CoV-2 (Yes/No)			Experienced COVID-19 Symptoms (Yes/No)			Days Experienced COVID-19 Symptoms		
	Odds Ratio (Unadj)	95% CI	p- Value	Odds Ratio (Unadj)	95% CI	p- Value	β Coefficient	95% CI	p-Value
Age (years by category)									
<i>18-50</i>	1.0	---	---	1.0	---	---	---	---	---
<i>51-64</i>	0.93	0.52 – 1.65	0.801	0.74	0.42 – 1.31	0.307	-0.93	-3.66 – 1.80	0.502
<i>65-80</i>	0.85	0.46 – 1.56	0.599	0.78	0.43 – 1.40	0.401	0.89	-1.98 – 3.76	0.541
Biological Sex									
<i>Female</i>	1.0	---	---	1.0	---	---	---	---	---

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<i>Male</i>	1.16	0.71 – 1.89	0.555	1.05	0.65 – 1.70	0.839	-0.16	-2.48 – 2.1	0.894
Race/Ethnicity									
<i>white</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Hispanic/ Latinx</i>	0.86	0.48 – 1.54	0.618	0.88	0.49 – 1.56	0.668	-1.25	-4.04 – 1.53	0.376
<i>Asian</i>	0.13	0.02 – 0.45	<0.01	0.31	0.10 – 0.80	<0.05	-3.83	-7.90 – 0.24	0.065
<i>Other</i>	0.7	0.21 – 2.02	0.528	0.44	0.12 – 1.31	0.164	-3.23	-8.29 – 1.83	0.21
Health Insurance									
<i>Private</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Medicaid</i>	0.64	0.27 – 1.45	0.304	0.74	0.32 – 1.62	0.459	0.73	-3.09 – 4.56	0.707
<i>Medicare</i>	0.72	0.39 – 1.30	0.284	0.75	0.41 – 1.33	0.325	1.76	-1.04 – 4.56	0.216
<i>No Insurance</i>	0.65	0.24 – 1.60	0.364	0.67	0.26 – 1.62	0.389	-0.02	-4.29 – 4.24	0.992
Education Completed									
<i>Bachelor/ Associate</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Graduate Degree</i>	0.62	0.29 – 1.26	0.195	0.8	0.40 – 1.58	0.524	-1.11	-4.44 – 2.23	0.515

<i>High School or Less</i>	0.85	0.50 – 1.45	0.554	0.75	0.44 – 1.27	0.286	-1.42	-3.98 – 1.14	0.276
Employment Status									
<i>Full-Time</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Not Employed</i>	0.51	0.30 – 0.87	<0.01	0.55	0.32 – 0.92	<0.05	0	-2.52 – 2.52	1
<i>Part-Time</i>	0.41	0.18 – 0.87	<0.05	0.39	0.18 – 0.82	<0.05	-0.72	-4.15 – 2.71	0.679

Indep. Variable	Tested Positive for SARS-CoV-2 (Yes/No)			Experienced COVID-19 Symptoms (Yes/No)			Days Experienced COVID-19 Symptoms		
	Odds Ratio (Unadj)	95% CI	p-Value	Odds Ratio (Unadj)	95% CI	p-Value	β Coefficient	95% CI	p-Value
Underlying Medical Conditions									
<i>No</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Yes</i>	3.3	1.99 – 5.57	<0.001	5.07	3.04 – 8.62	<0.001	1.7	-0.61 – 4.01	0.148
Diabetes									
<i>No</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Yes</i>	2.88	1.60 – 5.25	<0.001	3.93	2.16 – 7.34	<0.001	0.99	-1.88 – 3.85	0.498

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Hypertension									
<i>No</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Yes</i>	2.66	1.59 – 4.49	<0.001	3.96	2.35 – 6.75	<0.001	2.71	0.25 – 5.16	<0.05
Dyslipidemia									
<i>No</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Yes</i>	1.85	1.00 – 3.42	0.051	2.17	1.18 – 4.04	<0.05	0.24	-2.77 – 3.25	0.875
Vitamin D Supplementation									
<i>No</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Yes</i>	0.15	0.07 – 0.28	<0.001	0.11	0.06 – 0.22	<0.001	-4.66	-7.01 – -2.30	<0.001
Received COVID-19 Vaccine									
<i>No</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Yes</i>	0.58	0.35 – 0.95	<0.05	0.58	0.36 – 0.94	<0.05	-3.27	-5.56 – -0.99	<0.05
Exposed to Omicron or Delta Strain									
<i>Delta</i>	1.0	---	---	1.0	---	---	---	---	---
<i>Omicron</i>	1.79	1.09 – 2.94	<0.05	0.38	0.23 – 0.61	<0.001	-2.56	-4.88 – -0.24	<0.001
Previously Received Oral Polio Vaccine									

Yes	1.0	---	---	1.0	---	---	---	---	---
No	3.92	2.27 – 6.88	<0.001	4.06	2.35 – 7.17	<0.001	6.53	4.03 – 9.04	<0.001
Vitamin D x Education									
(ref)	1.0	---	---	1.0	---	---	---	---	---
Vitamin D (Yes)	0.1	0.03 – 0.28	<0.001	0.07	0.02 – 0.21	<0.001	--	--	--
Education Completed (Graduate Degree)	0.38	0.15 – 0.91	<0.05	0.48	0.20 – 1.12	0.093	--	--	--
Education Completed (High School or Less)	0.8	0.42 – 1.52	0.492	0.68	0.35 – 1.31	0.252	--	--	--
Yes x Graduate Degree	6.38	1.08 – 38.50	<0.05	6.79	1.25 – 38.83	<0.05	--	--	--
Yes x High School or Less	1.07	0.21 – 5.46	0.938	0.91	0.15 – 5.00	0.914	--	--	--