

Supplementary Table 1. Demographic characteristics of study sample and 2018 American Community Survey sample collected by US Census Bureau among adults ≥ 22 years old with $\leq \$75,000$ personal annual income.

	Study sample	US Census Bureau
Mean age	37.9 years	49.5 years
Sex		
Female	55.0%	54.9%
Male	45.0%	45.1%
Race/Ethnicity		
White	75.3%	73.1%
Black	13.6%	13.3%
Native American/Alaskan Native	1.7%	0.9%
Asian/Pacific Islander	7.7%	5.6%
Other	1.8%	7.3%
Hispanic	14.49%	17.2%
US geographic region		
South	38.6%	38.7%
Northeast	18.7%	16.9%
Midwest	19.4%	21.2%
West	23.3%	23.2%

Supplementary Table 2. Sociodemographic, psychosocial, and health characteristics of low and middle-income adults who tested positive, negative, or were untested for COVID19 (N= 6,607)

	Total (n = 6,607)	COVID19 Positive (n = 354)	COVID19 Negative (n = 1,819)	COVID19 Untested (n = 4,434)	Test of difference	Pairwise comparison
	Mean/SD or Count/%	Mean/SD or Count/%	Mean/SD or Count/%	Mean/SD or Count/%	F, χ	
Sociodemographic characteristics						
Age	37.94 (12.64)	35.27 (9.94)	37.34 (11.76)	38.39 (13.13)	$F(2, 6604)=12.84^{**}$	U>N>P
Gender					$\chi(4)= 159.73^{**}$	
Male	2972 (45.0)	251 (70.9)	926 (50.9)	1795 (40.5)		P>N>U
Female	3610 (54.6)	103 (29.1)	889 (48.9)	2618 (59.0)		U>N>P
Other	25 (0.4)	0 (0.0)	4 (0.2)	21 (0.5)		U>N>P
Race/Ethnicity					$\chi(12)=458.56^{**}$	
White non-Hispanic	4327 (65.5)	133 (37.6)	1040 (57.2)	3154 (71.1)		U>N>P
Black non-Hispanic	621 (9.4)	54 (15.3)	239 (13.1)	328 (7.4)		P>N>U
White Hispanic	678 (10.3)	74 (20.9)	230 (12.6)	374 (8.4)		P>N>U
Black Hispanic	271 (4.1)	58 (16.4)	120 (6.6)	93 (2.1)		P>N>U
Asian/Pacific Islander	485 (7.3)	19 (5.4)	111 (6.1)	355 (8.0)		U>N>P
NA/AN	108 (1.6)	15 (4.2)	49 (2.7)	44 (1.0)		P>N>U
Other	117 (1.8)	1 (0.3)	30 (1.6)	86 (1.9)	U>N>P	
Education					$\chi(6)= 183.02^{**}$	
High school and below	551 (8.3)	14 (4.0)	135 (7.4)	402 (9.1)		U>N>P
Some college	1302 (19.7)	28 (7.9)	335 (18.4)	939 (21.2)		U>N>P
Associate/Bachelors	3355 (50.8)	147 (41.5)	920 (50.6)	2288 (51.6)		U>N>P
Advanced degree	1399 (21.2)	165 (46.6)	429 (23.6)	805 (18.2)		P>N>U
Student status					$\chi(4)= 495.26^{**}$	
Not a student	5010 (75.8)	109 (30.8)	1303 (71.6)	3598 (81.1)		U>N>P
Part-time	521 (7.9)	63 (17.8)	163 (9.0)	295 (6.7)		P>N>U
Full-time	1076 (16.3)	182 (51.4)	353 (19.4)	541 (12.2)		P>N>U
Marital status						

Single	2165 (32.8)	51 (14.4)	507 (27.9)	1607 (36.2)	$\chi(6)= 166.91^{**}$	U>N>P
D/S/W	624 (9.4)	14 (4.0)	129 (7.1)	481 (10.8)		U>N>P
Married/LWP	3818 (57.8)	289 (81.6)	1183 (65.0)	2346 (52.9)		P>N>U
Number of minors in household					$\chi(8)= 429.65^{**}$	
None	3578 (54.2)	57 (16.1)	774 (42.6)	2747 (62.0)		U>N>P
One	1572 (23.8)	155 (43.8)	568 (31.2)	849 (19.1)		P>N>U
Two	1059 (16.0)	101 (28.5)	371 (20.4)	587 (13.2)		P>N>U
Three	280 (4.2)	31 (8.8)	74 (4.1)	175 (3.9)		P>N>U
Four or more	118 (1.8)	10 (2.8)	32 (1.8)	76 (1.7)	P>N>U	
Work Status					$\chi(8)= 276.59^{**}$	
Full-time	3741 (56.6)	292 (82.5)	1204 (66.2)	2245 (50.6)		P>N>U
Half-time	884 (13.4)	37 (10.5)	247 (13.6)	600 (13.5)		N>U>P
Unemployed	878 (13.3)	6 (1.7)	157 (8.6)	715 (16.1)		U>N>P
R/D/O	558 (8.4)	11 (3.1)	94 (5.2)	453 (10.2)		U>N>P
Self-employed	546 (8.3)	8 (2.3)	117 (6.4)	421 (9.5)	U>N>P	
Personal income	34266.80 (22974.64)	27221.40 (26324.31)	36611.54 (22822.19)	33867.39 (22614.30)	$F(2, 6604)= 27.00^{**}$	N>U>P
State of residence					$\chi(6)= 40.01^{**}$	
Northeast	1237 (18.7)	76 (21.5)	341 (18.7)	820 (18.5)		P>N>U
Midwest	1280 (19.4)	45 (12.7)	300 (16.5)	935 (21.1)		U>N>P
South	2518 (38.1)	130 (36.7)	692 (38.0)	1696 (38.2)		U>N>P
West	1572 (23.8)	103 (29.1)	486 (26.7)	983 (22.2)	P>N>U	
Veteran status	816 (12.4)	243 (68.6)	239 (13.1)	334 (7.5)	$\chi(2)= 1132.42^{**}$	P>N>U
Psychosocial status						
Any history of homelessness	1346 (20.4)	283 (79.9)	440 (24.2)	623 (14.1)	$\chi(2)= 899.98^{**}$	P>N>U
Any friends/family tested positive for COVID19	1610 (24.4)	302 (85.3)	420 (23.1)	888 (20.0)	$\chi(2)= 760.33^{**}$	P>N>U
# of close friends/relatives ^a	74.67 (136.72)	339.46 (143.41)	107.49 (149.97)	40.06 (98.76)	$F(2, 6604)= 889.38^{**}$	P>N>U

^a A log transformation was conducted on number of close friends/ relatives that participants reported to normalize the distribution and the transformed variable was used for all statistical analyses.

MOS Social Support Survey	20.87 (6.08)	22.51 (4.26)	20.98 (5.65)	20.69 (6.36)	$F(2, 6604)=15.09^{**}$	P>N>U
UCLA loneliness scale	5.59 (1.90)	6.67 (1.32)	5.65 (1.83)	5.48 (1.94)	$F(2, 6557)=65.66^{**}$	P>N>U
Health status						
# of chronic medical conditions	0.93 (1.01)	1.89 (1.53)	1.04 (1.10)	0.81 (0.99)	$F(2, 6604)=184.50^{**}$	P>N>U
History of psychiatric diagnoses	260 (3.9)	82 (23.2)	82 (4.5)	96 (2.2)	$\chi(2)=384.56^{**}$	P>N>U
Schizophrenia-spectrum	684 (10.4)	107 (30.2)	196 (10.8)	381 (8.6)	165.79**	P>N>U
PTSD	548 (8.3)	117 (33.1)	170 (9.3)	261 (5.9)	321.69**	P>N>U
Bipolar disorder	2042 (30.9)	111 (31.4)	544 (29.9)	1387 (31.3)	1.18	P>U>N
Anxiety disorder	1113 (16.8)	87 (24.6)	308 (16.9)	718 (16.2)	16.46**	P>N>U
Major depression	787 (11.9)	152 (42.9)	368 (20.2)	267 (6.0)	591.35**	P>N>U
Alcohol use disorder	327 (4.9)	54 (15.3)	133 (7.3)	140 (3.2)	131.75**	P>N>U
Drug use disorder	133 (2.0)	27 (7.6)	45 (2.5)	61 (1.4)	67.65**	P>N>U
Traumatic brain injury						
Positive screen for major depression	2645 (40.0)	313 (88.4)	887 (48.8)	1445 (32.6)	$\chi(2)=505.31^{**}$	P>N>U
Positive screen for generalized anxiety disorder	2688 (40.7)	306 (86.4)	876 (48.2)	1506 (34.0)	$\chi(2)=432.19^{**}$	P>N>U
Any recent suicidal ideation	2064 (31.2)	322 (91.0)	804 (44.2)	938 (21.2)	$\chi(2)=939.96^{**}$	P>N>U
Positive screen for alcohol use problems	2606 (39.4)	274 (77.4)	798 (43.9)	1534 (34.6)	$\chi(2)=272.07^{***}$	P>N>U
Any illicit drug use in past month	1475 (22.3)	266 (75.1)	430 (23.6)	779 (17.6)	$\chi(2)=629.12^{**}$	P>N>U
Currently smoke cigarettes	1516 (22.9)	255 (72.0)	481 (26.4)	780 (17.6)	$\chi(2)=566.95^{**}$	P>N>U
Currently vape	995 (15.1)	238 (67.2)	297 (16.3)	460 (10.4)	$\chi(2)=831.64^{**}$	P>N>U

Note: NA/AN= Native American/Alaskan Native; D/S/W = Divorced/separated/widowed; LWP = Living with partner; R/D/O = Retired, disabled, others; MOS= Medical Outcome Study; PTSD = Posttraumatic stress disorder; P = COVID positive; N = COVID negative; U = COVID unknown. * $p < .05$. ** $p < .01$, *** $p < .001$

Supplementary Table 3. Multinomial regression of sociodemographic characteristics, psychosocial status, and psychiatric history associated with COVID19 among low and middle-income adults

	COVID19 Positive (n = 354)	COVID19 Untested (n = 4,434)
Sociodemographic characteristics		
Age	0.98 [0.97, 1.00]*	1.00 [.99, 1.00]
Male	1.27 [0.93, 1.73]	0.89 [0.78, 1.01]*
Race		
White	Ref	Ref
Black	0.74 [0.52, 1.06]	0.60 [0.51, 0.72]***
Asian	0.84 [0.44, 1.62]	1.06 [0.84, 1.35]
Other	0.63 [0.30, 1.32]	0.65 [0.48, 0.89]**
Hispanic	1.07 [0.77, 1.49]	0.82 [0.69, 0.97]**
Education		
Some college or below	Ref	Ref
Associate/Bachelors degree	1.30 [0.83, 2.02]	1.08 [0.94, 1.25]
Advanced degree	1.79 [1.12, 2.85]*	1.12 [0.93, 1.34]
Student status	1.65 [1.20, 2.26]**	0.86 [0.74, 0.99]**
Marital status		
Single	Ref	Ref
Divorced/separated/widowed	1.17 [0.51, 2.66]	1.03 [0.80, 1.32]
Married/Living with Partner	1.33 [0.86, 2.05]	0.85 [0.74, 0.99]**
Number of minors in household	1.04 [0.88, 1.22]	0.90 [0.84, 0.96]**
Work Status		
Half-time/Full-time	Ref	Ref
Self-employed	0.91 [0.38, 2.18]	1.35 [1.07, 1.69]**
Not working	1.29 [0.69, 2.42]	1.61 [1.36, 1.92]***
Annual personal income	1.00 [1.00, 1.00]	1.00 [1.00, 1.00]
State of residence		
Northeast	Ref	Ref
Midwest	0.77 [0.47, 1.27]	1.28 [1.06, 1.56]*
South	0.97 [0.65, 1.45]	1.06 [0.90, 1.25]

West	0.70 [0.46, 1.06]	0.99 [0.83, 1.19]
Veteran status	2.13 [1.45, 3.12]***	1.17 [0.94, 1.47]
Psychosocial status		
Any homeless history	1.90 [1.27, 2.84]**	0.87 [0.73, 1.04]
Any friends/family COVID19+	8.28 [5.86, 11.71]***	1.14 [0.98, 1.32]
# of close friends/relatives	2.12 [1.55, 2.91]***	0.55 [0.49, 0.61]***
Health status		
# of medical conditions	1.02 [0.96, 1.07]	1.02 [0.98, 1.05]
Past psychiatric diagnoses		
Schizophrenia-spectrum disorder	1.05 [0.66, 1.67]	1.50 [1.03, 2.17]*
PTSD	1.46 [0.99, 2.16]	0.97 [0.78, 1.20]
Bipolar disorder	1.21 [0.83, 1.74]	1.01 [0.79, 1.29]
Anxiety disorder	1.10 [0.79, 1.53]	0.96 [0.84, 1.10]
Major depression	1.07 [0.73, 1.56]	0.90 [0.75, 1.06]
Alcohol use disorder	0.89 [0.64, 1.24]	0.51 [0.42, 0.62]***
Drug use disorder	0.88 [0.53, 1.44]	0.81 [0.60, 1.09]
Traumatic brain injury	0.63 [0.26, 1.51]	0.98 [0.60, 1.60]
Current smoke cigarettes	0.96 [0.65, 1.42]	0.98 [0.83, 1.15]
Currently vape	1.48 [0.99, 2.21]	1.17 [0.96, 1.44]

Supplementary Table 4. Multinomial regression examining association between sociodemographic characteristics, current measures of social support and mental health, and COVID19 among low and middle-income adults^a

	COVID19 Positive (n = 354)	COVID19 Untested (n = 4,434)
Sociodemographic characteristics		
Age	0.98 [0.97, 1.00]**	1.00 [0.99, 1.00]
Male	1.30 [0.94, 1.78]	0.87 [0.77, 0.98]*
Race		
White	Ref	Ref
Black	0.74 [0.52, 1.06]	0.60 [0.50, 0.71]***
Asian	0.88 [0.46, 1.70]	1.12 [0.88, 1.42]
Other	0.62 [0.29, 1.31]	0.66 [0.49, 0.91]*
Hispanic	1.04 [0.74, 1.44]	0.81 [0.68, 0.96]*
Education		
Some college or below	Ref	Ref
Associate/Bachelors degree	1.33 [0.84, 2.10]	1.05 [0.91, 1.22]
Advanced degree	1.88 [1.17, 3.03]**	1.09 [0.91, 1.31]
Student status	1.63 [1.20, 2.25]**	0.87 [0.75, 1.01]
Marital status		
Single	Ref	Ref
Divorced/separated/widowed	1.31 [0.58, 2.95]	1.05 [0.82, 1.34]
Married/Living with partner	1.34 [0.87, 2.08]	0.82 [0.70, 0.95]*
Number of minors in household	1.03 [0.87, 1.21]	0.91 [0.84, 0.97]**
Work Status		
Half-time/Full-time	Ref	Ref
Self-employed	0.91 [0.38, 2.21]	1.33 [1.06, 1.67]*
Not working	1.30 [0.68, 2.48]	1.62 [1.36, 1.93]***
Annual personal income	1.00 [1.00, 1.00]	1.00 [1.00, 1.00]
State of residence		
Northeast	Ref	Ref

^a Reference group was the COVID19 negative group.

Midwest	0.75 [0.45, 1.24]	1.29 [1.06, 1.56]*
South	0.92 [0.62, 1.38]	1.05 [0.89, 1.24]
West	0.65 [0.43, 0.98]	0.99 [0.83, 1.18]
Veteran status	2.16 [1.48, 3.16]***	1.24 [0.99, 1.55]
Psychosocial status		
Any homeless history	1.79 [2.19, 2.69]**	0.85 [0.72, 1.02]
Any friends/family COVID-19+	8.51 [5.99, 12.10]***	1.13 [0.98, 1.31]
# of close friends	1.76 [1.28, 2.43]**	0.53 [0.48, 0.59]***
Medical Outcomes Study Social Support Survey	0.99 [0.96, 1.03]	1.00 [0.97, 1.03]**
UCLA loneliness scale	1.12 [1.00, 1.25]	1.03 [0.99, 1.07]
Health status		
# of medical conditions	1.01 [0.97, 1.05]	1.00 [0.97, 1.03]
Positive screen for current MDD	1.29 [0.79, 2.10]	0.73 [0.62, 0.86]***
Positive screen for current GAD	1.24 [0.78, 1.96]	0.95 [0.81, 1.12]
Positive screen on AUDIT-C	1.12 [0.79, 1.60]	0.98 [0.86, 1.12]
Any illicit drug use in past month	1.25 [0.81, 1.92]	1.12 [0.95, 1.33]
Current smoke cigarettes	0.85 [0.56, 1.29]	0.91 [0.77, 1.07]
Currently vape	1.34 [0.88, 2.04]	1.13 [0.92, 1.39]

Note: NA/AN = Native American/Alaskan Native; MOS= Medical Outcomes Study; P= COVID19 positive; N= COVID19 negative; U = COVID19 untested. * $p < .05$. ** $p < .01$. *** $p < .001$