

**Supplementary Table 1.** Socio-demographic characteristics of the respondents by location.

Characteristics	Enugu	Anambra	Imo	Ebonyi	Abia	Stat. diff.
	(n=415)	(n=377)	(n=81)	(n=63)	(n=76)	
<b>Gender</b>						
Male	202 (20.0%)	156 (15.4%)	34 (3.4%)	28 (2.8%)	32 (3.2%)	x <sup>2</sup> =4.786; df=4; p=0.310
Female	213 (21.0%)	221 (21.8%)	47 (4.6%)	35 (3.5%)	44 (4.3%)	
<b>Cluster result</b>	<b>415 (41.0%)</b>	<b>377 (37.3%)</b>	<b>81 (8.0%)</b>	<b>63 (6.2%)</b>	<b>76 (7.5%)</b>	
<b>Age</b>						
15-20 years	211 (20.8%)	163 (16.1%)	43 (4.2%)	21 (2.1%)	48 (4.7%)	t=-0.007; df=4; p=0.995
21-25 years	143 (14.1%)	171 (16.9%)	26 (2.6%)	31 (3.1%)	16 (1.6%)	
26-30 years	41 (4.1%)	32 (3.2%)	6 (0.6%)	5 (0.5%)	8 (0.8%)	
31-35 years	11 (1.1%)	6 (0.6%)	5 (0.5%)	5 (0.5%)	1 (0.1%)	
36-40 years	5 (0.5%)	2 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	
41-45 years	12 (0.4%)	3 (0.3%)	1 (0.1%)	1 (0.1%)	3 (0.3%)	
<b>Mean ± SD</b>	<b>21.75±0.62</b>	<b>21.44±0.35</b>	<b>21.31±0.32</b>	<b>22.67±0.31</b>	<b>20.97±0.42</b>	
<b>Religion</b>						
Christianity	399 (39.4%)	370 (36.6%)	71 (7.0%)	59 (5.8%)	73 (7.2%)	x <sup>2</sup> =44.211; df=12; p=0.000
Islam	13 (1.3%)	2 (0.2%)	7 (0.7%)	2 (0.2%)	3 (0.3%)	
Traditionalists	0 (0.0%)	5 (0.5%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	
Others	3 (0.3%)	0 (0.0%)	3 (0.3%)	2 (0.2%)	0 (0.0%)	
<b>Ethnicity</b>						
Igbo	397 (39.2%)	357 (35.3%)	72 (7.1%)	59 (5.8%)	64 (6.3%)	x <sup>2</sup> =47.420; df=12; p=0.000
Yoruba	3 (0.3%)	8 (0.8%)	7 (0.7%)	1 (0.1%)	7 (0.7%)	
Hausa	1 (0.1%)	1 (0.1%)	2 (0.2%)	0 (0.0%)	0 (0.0%)	
Others	14 (1.4%)	11 (1.1%)	0 (0.0%)	3 (0.3%)	5 (0.5%)	
<b>Marital status</b>						
Single	398 (39.3%)	365 (36.1%)	68 (6.7%)	58 (5.7%)	71 (7.0%)	x <sup>2</sup> =25.001; df=4; p=0.000
Married	17 (1.7%)	12 (1.2%)	13 (1.3%)	5 (0.5%)	5 (0.5%)	
<b>Level of study</b>						
First year	60 (5.9%)	34 (3.4%)	18 (1.8%)	11 (1.1%)	14 (1.4%)	x <sup>2</sup> =112.01; df=20; p=0.000
Second year	136 (13.4%)	119 (11.8%)	20 (2.0%)	13 (1.3%)	39 (3.9%)	
Third year	49 (4.8%)	68 (6.7%)	7 (0.7%)	21 (2.1%)	7 (0.7%)	
Fourth year	82 (8.1%)	122 (12.1%)	30 (3.0%)	17 (1.7%)	14 (1.4%)	
Fifth year	32 (3.2%)	20 (2.0%)	3 (0.3%)	1 (0.1%)	0 (0.0%)	
Sixth year	56 (5.5%)	14 (1.4%)	3 (0.3%)	0 (0.0%)	2 (0.2%)	

SD, Standard Deviation

**Supplementary Table 2.** Sources of information concerning the COVID-19 pandemic.

Variables	Enugu	Anambra	Imo	Ebonyi	Abia	Pooled/joint estimate
	(n=415)	(n=377)	(n=81)	(n=63)	(n=76)	
Social media (S)	119 (11.8%)	83 (8.2%)	28 (2.8%)	21 (2.1%)	21 (2.1%)	272 (26.9%)
WHO (W)	7 (0.7%)	7 (0.7%)	0 (0.0%)	2 (0.2%)	2 (0.2%)	18 (1.8%)
Television (T)	5 (0.5%)	10 (1.0%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	16 (1.6%)
Radio (R)	0 (0.0%)	1 (0.1%)	0 (0.0%)	2 (0.2%)	3 (0.3%)	6 (0.6%)
Printed media (P)	2 (0.2%)	2 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4 (0.4%)
Family/Friends (F)	4 (0.4%)	2 (0.2%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	7 (0.7%)
S and T	50 (4.9%)	59 (5.8%)	8 (0.8%)	6 (0.6%)	9 (0.9%)	132 (13.0%)
S, W, AND T	37 (3.7%)	50 (4.9%)	3 (0.3%)	6 (0.6%)	3 (0.3%)	99 (9.8%)
S, W, T, R, P and F	23 (2.3%)	29 (2.9%)	3 (0.3%)	3 (0.3%)	9 (0.9%)	67 (6.6%)

WHO, World Health Organization

**Supplementary Table 3.** Social media information source for COVID-19.

Variables	Enugu	Anambra	Imo	Ebonyi	Abia	Pooled estimate
	(n=415)	(n=377)	(n=81)	(n=63)	(n=76)	
Facebook (F)	34 (11.8%)	28 (2.8%)	12 (1.2%)	3 (0.3%)	7 (0.7%)	84 (8.3%)
WhatsApp (W)	65 (6.4%)	52 (5.1%)	15 (1.5%)	5 (0.5%)	14 (1.4%)	151 (14.9%)
Twitter (T)	36 (3.6%)	20 (2.0%)	5 (0.5%)	3 (0.3%)	7 (0.7%)	71 (7.0%)
Instagram (I)	11 (1.1%)	1 (0.1%)	2 (0.2%)	0 (0.0%)	0 (0.0%)	14 (1.4%)
Messenger (M)	0 (0.0%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
Other sources (O)	4 (0.4%)	10 (1.0%)	0 (0.0%)	2 (0.2%)	2 (0.2%)	18 (1.8%)
W and I	25 (2.5%)	14 (1.4%)	2 (0.2%)	2 (0.2%)	7 (0.7%)	50 (4.9%)
W and T	33 (3.3%)	12 (1.2%)	14 (1.4%)	6 (0.6%)	4 (0.4%)	69 (6.8%)
F and W	28 (2.8%)	38 (3.8%)	6 (0.6%)	9 (0.9%)	2 (0.2%)	83 (8.2%)
W, T and I	38 (3.8%)	24 (2.4%)	3 (0.3%)	3 (0.3%)	4 (0.4)	72 (7.1%)
F, W and I	11 (1.1%)	20 (2.0%)	8 (0.8%)	3 (0.3%)	0 (0.0%)	42 (4.2%)
F, W and T	18 (1.8%)	32 (3.2%)	3 (0.3%)	4 (0.4%)	4 (0.4%)	61 (6.0%)
W, F, T and I	39 (3.9%)	31 (3.1%)	3 (0.3%)	7 (0.7%)	9 (0.9%)	89 (8.8%)
F, W, T, I and M	15 (1.5%)	32 (3.2%)	2 (0.2%)	5 (0.5%)	2 (0.2%)	56 (5.5%)

**Supplementary Table 4.** Knowledge of the COVID-19 pandemic.

Parameters	Enugu	Anambra	Imo	Ebonyi	Abia	Pooled evaluation
	(n=415)	(n=377)	(n=81)	(n=63)	(n=76)	
<b>Where did COVID-19 originate from?</b>						
China	407 (40.2%)	368 (36.4%)	81 (8.0%)	54 (5.3%)	73 (7.2%)	983 (97.1%)
USA	7 (0.7%)	5 (0.5%)	0 (0.0%)	7 (0.7%)	2 (0.2%)	21 (2.1%)
United Kingdom	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Nigeria	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Unsure	1 (0.1%)	4 (0.4%)	0 (0.0%)	2 (0.2%)	1 (0.1%)	8 (0.8%)
<b>What is the causative agent of COVID-19 pandemic?</b>						
Bacteria	31 (3.1%)	12 (1.2%)	10 (1.0%)	8 (0.8%)	1 (0.1%)	62 (6.1%)
Fungi	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Virus	384 (37.9%)	365 (36.1%)	71 (7.0%)	55 (5.4%)	75 (7.4%)	950 (93.9%)
Protozoa	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Others	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
<b>What is the route of transmission of the causative agent of COVID-19?</b>						
Faeco-oral	2 (0.2%)	5 (0.5%)	0(0.0%)	3 (0.3%)	0(0.0%)	10 (1.0%)
Aerosol inhalation	17 (1.7%)	11 (1.1%)	3 (0.3%)	2 (0.2%)	4 (0.4%)	37 (3.7%)
Droplet inhalation	60 (5.9%)	33 (3.3%)	9 (0.9%)	4 (0.4%)	11 (1.1%)	117 (11.6%)
Contact with contaminated surfaces	59 (5.8%)	78 (7.7%)	13 (1.3%)	7 (0.7%)	19 (1.9%)	176 (17.4%)
<b>What is the incubation period of the agent causing COVID-19 pandemic?</b>						
2-7 days	7 (0.7%)	15 (1.5%)	2 (0.2%)	4 (0.4%)	1 (0.1%)	29 (2.9%)
2-14 days	374 (37.0%)	323 (32.0%)	71 (7.0%)	51 (5.0%)	67 (6.6%)	886 (87.7%)

5-21 days	5 (0.5%)	6 (0.6%)	0 (0.0%)	3 (0.3%)	2 (0.2%)	16 (1.6%)
7-42 days	5 (0.5%)	3 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	8 (0.8%)
Unsure	22 (2.2%)	30 (3.0%)	8 (0.8%)	5 (0.5%)	6 (0.6%)	71 (7.0%)
<b>What are the symptoms of COVID-19?</b>						
Sneezing only	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	1 (0.1%)
Coughing only	0 (0.0%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
Fever only	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Difficulty in breathing.	2 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.2%)	4 (0.4%)
Coughing, fever, and difficulty in breathing	34 (3.4%)	36 (3.6%)	4 (0.4%)	2 (0.2%)	2 (0.2%)	78 (7.7%)
Sneezing, coughing, fever and difficulty in breathing	118 (11.7%)	111 (11.0%)	19 (1.9%)	17 (1.7%)	26 (2.6%)	291 (28.9%)
Sneezing, coughing, and fever	35 (3.5%)	57 (5.7%)	4 (0.4%)	4 (0.4%)	3 (0.3%)	103 (10.2%)
Sneezing, coughing, fever, loss of taste, loss of appetite, difficulty in breathing, diarrhoea& toe lesion	2 (0.2%)	6 (0.6%)	0 (0.0%)	1 (0.1%)	0 (0.0%)	9 (0.9%)
<b>How many cases of COVID-19 are there in Nigeria currently?</b>						
<100	32 (3.2%)	19 (1.9%)	10 (1.0%)	9 (0.9%)	8 (0.8%)	78 (7.7%)
>100	158 (15.6%)	83 (8.2%)	35 (3.5%)	13 (1.3%)	36 (3.6%)	325 (32.2%)
>1000	218 (21.6%)	258 (25.5%)	33 (3.3%)	33 (3.3%)	27 (2.7%)	569 (56.3%)
>10,000	1 (0.1%)	6 (0.6%)	0 (0.0%)	2 (0.2%)	2 (0.2%)	11 (1.1%)
There is no case of COVID-19 in Nigeria	3 (0.3%)	4 (0.4%)	0 (0.0%)	2 (0.2%)	0 (0.0%)	9 (0.9%)
COVID-19 is a hoax	3 (0.3%)	7 (0.7%)	1 (0.1%)	4 (0.4%)	3 (0.3%)	18 (1.8%)

<b>How is Nigeria managing COVID-19 pandemic?</b>						
Self-isolation of suspected cases (S)	38 (3.8%)	65 (6.4%)	18 (1.8%)	11 (1.1%)	5 (0.5%)	137 (13.6%)
Quarantining of confirmed cases (Q)	10 (1.0%)	5 (0.5%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	16 (1.6%)
Use of facemasks (F)	0 (0.0%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
Use of hand sanitizers (H)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Lockdown (L)	10 (1.0%)	10 (1.0%)	2 (0.2%)	3 (0.3%)	0 (0.0%)	25 (2.5%)
Use of hydroxychloroquine (Hy)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)	1 (0.1%)
Use of antiviral drugs (A)	6 (0.6%)	4 (0.4%)	1 (0.1%)	1 (0.1%)	1 (0.1%)	13 (1.3%)
Vaccine administration (V)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
S, Q, F, H and L	231 (22.9%)	210 (20.8%)	47 (4.7%)	29 (2.9%)	44 (4.4%)	561 (55.5%)
<b>Overall level of knowledge</b>	<b>74.3%</b>	<b>78.0%</b>	<b>70.8%</b>	<b>65.4%</b>	<b>72.2%</b>	<b>72.1%</b>

**Supplementary Table 5.** Respondents' perception about COVID-19.

Parameter	Enugu	Anambra	Imo	Ebonyi	Abia	Total	Stat. diff. (Kendall's W)
	(n=415)	(n=377)	(n=81)	(n=63)	(n=76)		
<b>Do you think this pandemic is real?</b>							
Yes	338 (33.4%)	314 (31.0%)	50 (4.9%)	40 (4.0%)	50 (4.9%)	792 (78.3%)	W=0.613; df=4; p=0.009
No	43 (4.3%)	39 (3.9%)	19 (1.9%)	13 (1.3%)	14 (1.4%)	128 (12.6%)	
Maybe	34 (3.4%)	24 (2.4%)	12 (1.2%)	10 (1.0%)	12 (1.2%)	92 (9.1%)	
<b>Do you think you can get infected?</b>							
Yes	237 (23.4%)	179 (17.7%)	46 (4.5%)	27 (2.7%)	35 (3.5%)	524 (51.8%)	W=0.582; df=4; p=0.015
No	110 (10.9%)	135 (13.3%)	19 (1.9%)	28 (2.8%)	31 (3.1%)	323 (31.9%)	
Maybe	68 (6.7%)	63 (6.2%)	16(1.6%)	8 (0.8%)	10 (1.0%)	162 (16.0%)	
<b>What do you think is the source of this pandemic?</b>							
Virology research laboratory (V)	107 (10.6%)	112 (11.1%)	17 (1.7%)	17 (1.7%)	26 (2.6%)	279 (27.6%)	W=0.486; df=4; p=0.035
Wild animals like bats and pangolin (W)	110 (10.9%)	69 (6.8%)	29 (2.9%)	9 (0.9%)	14 (1.4%)	231 (22.8%)	
Alien (A)	0 (0.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	
5G network	0 (0.0%)	3 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (0.3%)	
Way of population decrease	2 (0.2%)	7 (0.7%)	2 (0.2%)	4 (0.4%)	3 (0.3%)	18 (1.8%)	
God's punishment for the sins of man	3 (0.3%)	7 (0.7%)	0 (0.0%)	2 (0.2%)	2 (0.2%)	14 (1.4%)	
Fulfilment of end-time prophecy	3 (0.3%)	1 (0.1%)	0 (0.0%)	1 (0.1%)	0 (0.0%)	5 (0.5%)	
Unsure	75 (7.4%)	75 (7.4%)	15 (1.5%)	13 (1.3%)	4 (0.4%)	182 (18.0%)	
Others	11 (1.1%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	12 (1.2%)	
V and W	27 (2.7%)	13 (1.3%)	0 (0.0%)	6 (0.6%)	0 (0.0%)	46 (4.5%)	
<b>Cluster result</b>	<b>74.0%</b>	<b>68.4%</b>	<b>70.0%</b>	<b>53.4%</b>	<b>64.5%</b>	<b>66.1%</b>	

**Supplementary Table 6.** Respondents' perception of preventive measures for COVID-19.

Parameter	Enugu	Anambra	Imo	Ebonyi	Abia	Pooled estimate
	(n=415)	(n=377)	(n=81)	(n=63)	(n=76)	
Wearing facemask (F)	2 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.2%)
Washing hand frequently with soap and water (W)	2 (0.2%)	4 (0.4%)	0 (0.0%)	1 (0.1%)	0 (0.0%)	7 (0.7%)
Use of hand sanitizers (H)	6 (0.6%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	6 (0.6%)
Avoiding crowded places (A)	0 (0.0%)	2 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.2%)
Restriction of movement (R)	2 (0.2%)	3 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	5 (0.5%)
Social/physical distancing (Sp)	2 (0.2%)	4 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	6 (0.6%)
Isolation of infected persons (Is)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.2%)	2 (0.2%)
Inhalation of steam (Ih)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
Taking alcohol (Ta)	0 (0.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
Others	3 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (0.3%)
W and H	20 (2.0%)	54 (5.3%)	2 (0.2%)	1 (0.1%)	0 (0.0%)	77 (7.6%)
F, W, H, A, Sp, Is and Si	30 (3.0%)	27 (2.7%)	10 (1.0%)	11 (1.1%)	11 (1.1%)	89 (8.8%)
F, W, H, A, R, Sp, Is and Si	201 (19.9%)	134 (13.2%)	30 (3.0%)	15 (1.5%)	32 (3.2%)	412 (40.7%)
<b>Cluster result</b>	<b>48.4%</b>	<b>35.5%</b>	<b>37.0%</b>	<b>23.8%</b>	<b>42.1%</b>	<b>37.4%</b>

Si, Self isolation (if having COVID-19 symptoms)



**Supplementary Table 7.** Effectiveness of the preventive measures of COVID-19.

Parameter	Enugu	Anambra	Imo	Ebonyi	Abia	Pooled result
	(n=415)	(n=377)	(n=81)	(n=63)	(n=76)	
<b>Wearing facemask in public places</b>						
Very effective	84 (8.3%)	105 (10.4%)	21 (2.1%)	14 (1.4%)	21 (2.1%)	245 (24.2%)
Effective	246 (24.3%)	230 (22.7%)	42 (4.2%)	36 (3.6%)	39 (3.9%)	593 (58.6%)
Not effective	85 (8.4%)	42 (4.2%)	18 (1.8%)	13 (1.3%)	16 (1.6%)	174 (17.2%)
<b>Frequent hand washing with soap and water</b>						
Very effective	228 (22.5%)	227 (22.4%)	36 (3.6%)	29 (2.9%)	39 (3.9%)	559 (55.2%)
Effective	147 (14.5%)	130 (12.8%)	37 (3.7%)	28 (2.8%)	34 (3.4%)	376 (37.2%)
Not effective	38 (3.8%)	20 (2.0%)	8 (0.8%)	6 (0.6%)	3 (0.3%)	75 (7.4%)
<b>Use of hand sanitizers</b>						
Very effective	211 (20.8%)	195 (19.3%)	36 (3.6%)	38 (3.8%)	36 (3.6%)	516 (51.0%)
Effective	194 (19.2%)	176 (17.4%)	43 (4.2%)	22 (2.2%)	38 (3.8%)	473 (46.7%)
Not effective	10 (1.0%)	6 (0.6%)	2 (0.2%)	3 (0.3%)	2 (0.2%)	23 (2.3%)
<b>Social distancing</b>						
Very effective	237 (23.4%)	221 (21.8%)	42 (4.2%)	24 (2.4%)	41 (4.1%)	565 (55.8%)
Effective	157 (15.5%)	132 (13.0%)	38 (3.8%)	38 (3.8%)	30 (3.0%)	395 (39.0%)
Not effective	21 (2.1%)	24 (2.4%)	1 (0.1%)	1 (0.1%)	5 (0.5%)	52 (5.1%)
<b>COVID-19 Management in Nigeria</b>						
Very effective	16 (1.6%)	34 (3.4%)	3 (0.3%)	1 (0.1%)	13 (1.3%)	67 (6.6%)
Effective	166 (16.4%)	168 (16.6%)	39 (3.9%)	28 (2.8%)	34 (3.4%)	435 (43.0%)
Not effective	233 (23.0%)	175 (17.3%)	39 (3.9%)	34 (3.4%)	29 (2.9%)	510 (50.4%)
<b>Do you think Nigeria can defeat COVID-19?</b>						
Yes	206 (20.4%)	186 (18.4%)	42 (4.2%)	36 (3.6%)	39 (3.9%)	509 (50.3%)
No	44 (4.3%)	39 (3.9%)	9 (0.9%)	5 (0.5%)	9 (0.9%)	106 (10.5%)
Maybe	165 (16.3%)	152 (15.0%)	30 (3.0%)	22 (2.2%)	28 (2.8%)	397 (39.2%)

<b>Do you think people who recover from COVID-19 will face stigmatization?</b>						
Very likely	109 (10.8%)	64 (6.3%)	25 (2.5%)	17 (1.7%)	22 (2.2%)	237 (23.4%)
Likely	215 (21.2%)	211 (20.8%)	44 (4.3%)	40 (4.0%)	42 (4.2%)	552 (54.5%)
Not likely	91 (9.0%)	102 (10.1%)	12 (1.2%)	6 (0.6%)	12 (1.2%)	223 (22.0%)
<b>What do you think about vaccines for COVID-19?</b>						
Vaccine is available	13 (1.3%)	9 (0.9%)	3 (0.3%)	1 (0.1%)	8 (0.8%)	34 (3.4%)
There is no suitable vaccine for now	250 (24.7%)	204 (20.2%)	48 (4.7%)	34 (3.4%)	34 (3.4%)	570 (56.3%)
There is no vaccine at all	53 (5.2%)	52 (5.1%)	15 (1.5%)	11 (1.1%)	11 (1.1%)	142 (14.0%)
Unsure	99 (9.8%)	110 (10.9%)	15 (1.5%)	17 (1.7%)	23 (2.3%)	264 (26.1%)
Others	0 (0.0%)	2 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.2%)
<b>Do you think you will like to be vaccinated if there is an effective vaccine?</b>						
Yes	209 (20.7%)	184 (18.2%)	34 (3.4%)	20 (2.0%)	48 (4.7%)	495 (48.9%)
No	97 (9.6%)	131 (12.9%)	28 (2.8%)	19 (1.9%)	19 (1.9%)	294 (29.1%)
Maybe	109 (10.8%)	62 (6.1%)	19 (1.9%)	24 (2.4%)	9 (0.9%)	223 (22.0%)
<b>Cluster result</b>	<b>80.4%</b>	<b>80.5%</b>	<b>81.5%</b>	<b>81.5%</b>	<b>81.6%</b>	<b>81.1%</b>

**Supplementary Table 8.** Respondents' attitude about COVID-19 safety practices.

Parameter	Enugu	Anambra	Imo	Ebonyi	Abia	Pooled estimate
	(n=415)	(n=377)	(n=81)	(n=63)	(n=76)	
Washing hands frequently with soap and water (W)	9 (0.9%)	17 (1.7%)	0 (0.0%)	9 (0.9%)	0 (0.0%)	40 (4.0%)
Avoiding crowded places (A)	3 (0.3%)	11 (1.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	18 (1.8%)
Social/physical distancing (Sp)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
Others	0 (0.0%)	2 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.2%)
Social/physical distancing	22 (2.2%)	29 (2.9%)	8 (0.8%)	0 (0.0%)	0 (0.0%)	59 (5.8%)
F and W	8 (0.8%)	21 (2.1%)	1 (0.1%)	2 (0.2%)	0 (0.0%)	32 (3.2%)
F, A, Sp and Si	10 (1.0%)	1 (0.1%)	7 (0.7%)	2 (0.2%)	6 (0.6%)	26 (2.6%)
W, H, A, R and Sp	27 (2.7%)	16 (1.6%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	44 (4.3%)
F, H, A, R and Sp	22 (2.2%)	12 (1.2%)	4 (0.4%)	2 (0.2%)	3 (0.3%)	43 (4.2%)
F, W, H, A, Sp and Ih	16 (1.6%)	9 (0.9%)	5 (0.5%)	1 (0.1%)	8 (0.8%)	39 (3.9%)
F, W, H, A, R and Sp	20 (2.0%)	18 (1.8%)	1 (0.1%)	4 (0.4%)	2 (0.2%)	45 (4.4%)
Wearing of facemask	108 (10.7%)	74 (7.3%)	23 (2.3%)	12 (1.2%)	21 (2.1%)	238 (23.5%)
<b>Cluster result</b>	<b>42.9%</b>	<b>35.1%</b>	<b>60.5%</b>	<b>52.4%</b>	<b>55.3%</b>	<b>49.2%</b>

F, use of a facemask; H, use of hand sanitizer; Si, self-isolation; Sp, social/physical distancing; Ih, inhalation of steam; R, restriction of movement

**Supplementary Table 9.** Treatment of COVID-19 in Southeast Nigeria.

How is COVID-19 treated?	Enugu	Anambra	Imo	Ebonyi	Abia	Pooled estimate
	(n=415)	(n=377)	(n=81)	(n=63)	(n=76)	
Use of hydroxychloroquine (Hy)	28 (2.8%)	43 (4.2%)	6 (0.6%)	4 (0.4%)	7 (0.7%)	88 (8.7%)
Use of antiviral agents (A)	3 (0.3%)	11 (1.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	14 (1.4%)
Use of respirators (R)	2 (0.2%)	3 (0.3%)	2 (0.2%)	0 (0.0%)	0 (0.0%)	7 (0.7%)
Use of vitamin C (V)	6 (0.6%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.2%)	8 (0.8%)
Use of herbal medicines (He)	2 (0.2%)	10 (1.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)	13 (1.3%)
No confirmed treatment (NCT)	239 (23.6%)	203 (20.1%)	58 (5.7%)	29 (2.9%)	48 (4.7%)	577 (57.0%)
No treatment options available (NTO)	11 (1.1%)	16 (1.6%)	0 (0.0%)	4 (0.4%)	4 (0.4%)	35 (3.5%)

**Supplementary Table 10.** Agencies that are involved in tackling COVID-19 in Southeast Nigeria.

	<b>Enugu</b>	<b>Anambra</b>	<b>Imo</b>	<b>Ebonyi</b>	<b>Abia</b>	<b>Pooled estimate</b>
	<b>(n=415)</b>	<b>(n=377)</b>	<b>(n=81)</b>	<b>(n=63)</b>	<b>(n=76)</b>	
NCDC (Nc)	101 (10.0%)	126 (12.5%)	21 (2.1%)	20 (2.0%)	27 (2.7%)	295 (29.2%)
Ministry of Health (Mh)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
WHO (W)	11 (1.1%)	4 (0.4%)	7 (0.7%)	3 (0.3%)	4 (0.4%)	29 (2.9%)
NAFDAC	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.2%)	2 (0.2%)
NCDC & WHO	30 (3.0%)	34 (3.4%)	5 (0.5%)	5 (0.5%)	9 (0.9%)	83 (8.2%)
Nc and Mh	81 (8.0%)	76 (7.5%)	17 (1.7%)	11 (1.1%)	5 (0.5%)	190 (18.8%)
Nc, Mh, and W	90 (8.9%)	44 (4.3%)	13 (1.3%)	9 (0.9%)	12 (1.2%)	168 (16.6%)

NCDC, Nigeria Centre for Disease Control; WHO, World Health Organization; NAFDAC, National Agency for Food and Drug Administration and Control