

Figure S1 MAP of KNUST campus. Adopted from Awelia *et al.* (25).

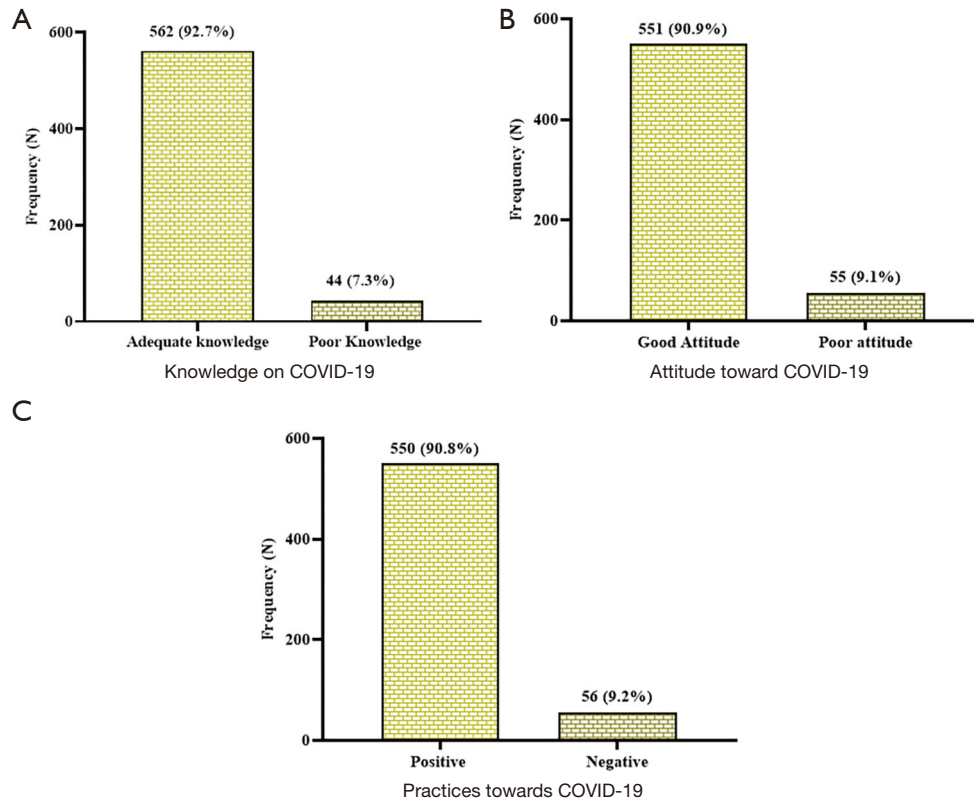


Figure S2 KAP level among the respondents, (A) level of knowledge on COVID-19; (B) attitude towards COVID-19; (C) cues to COVID-19 infection preventive practices.

Table S1 Summary of responses to knowledge on COVID-19 questions (N= 606)

Question	Correct response	Incorrect response
What type of infectious disease is COVID-19?	605 (99.8%)	1 (0.2)
The incubation period of the Novel coronavirus	425 (70.1%)	181 (29.9%)
Suppose zoonotic origin of COVID-19	583 (96.2%)	23 (3.8)
Transmission mechanism of the Novel Coronavirus	349 (57.6%)	257 (42.4)
Complications of Novel Coronavirus	598 (98.7%)	8 (1.3%)
Treatment of Novel coronavirus	563 (92.9%)	43 (5.1%)
How to reduce the risk of transmission?	443 (73.1%)	163 (36.9%)
It is believed that symptoms of the novel coronavirus may appear in as few as 2 days or as long as 14 after exposure	554 (91.4%)	52 (8.6%)
If anyone get the novel coronavirus, there is no possibility of survival	546 (90.1%)	60 (9.9%)
If anyone had a flu shot, a vaccinated against the novel coronavirus is sufficient	591 (97.5%)	15 (2.5%)
Even in areas experiencing outbreaks, meat products can be safely consumed if these items are cooked thoroughly and properly handled during food preparation	535 (88.3%)	71 (21.7%)
If anyone has a fever, cough and difficulty breathing seek medical care early and share previous travel history with the health care providers	599 (98.8%)	7 (1.2%)
If anyone work in a "wet market" it is recommended to disinfect the equipment and working area at least once a day	559 (92.2%)	47 (7.8%)
As per WHO guidelines for the novel coronavirus, you only need to wash your hands when they are visibly dirty	589 (97.2%)	17 (2.8%)

Data is presented as frequency and corresponding percentages.

Table S2 Summary of responses to Attitude towards COVID-19 questions

Question	Response	Score	N (%)
Are you scared by human-person transmission of Covid-19?	Yes, but I am rational and I can protect myself	1	542 (89.4)
	I don't care, I feel the same	0	42 (6.9)
	I don't know	0	22 (3.6)
Do you hope the outbreak stops fast so you can return to school soon?	Yes	1	480 (79.2)
	I don't care	0	45 (7.4)
	No, I want to stay home as long as possible	0	81 (13.4)
Do you think you will be more capable to endurance such public health emergency?	Yes, I am more educated and thus more capable	1	438 (72.3)
	I will be the same	0	91 (15.0)
	No, I am too sacred to stand it anymore	0	77 (12.7)
Do you think this outbreak has impacted your study?	Yes, it has	1	557 (91.9)
	No, I am self-disciplined and my studies was not affected at home	0	49 (8.1)
Do you agree that COVID-19 will finally be successfully controlled?	Yes, I certainly agree	1	406 (67.0)
	I neither agree nor disagree	0	179 (29.5)
	No, I disagree	0	21 (3.5)
Do you have confidence that Ghana can win the battle against the COVID-19 virus?	Yes, I do believe we can win	1	393 (64.9)
	I'm not so confident about this	0	192 (31.7)
	No, I don't think we can	0	21 (3.5)
When I meet my friends and colleagues, I will always greet them with a handshake or a hug	Agree	0	61 (10.1)
	Neither Agree nor disagree	0	110 (18.2)
	Disagree	1	435 (71.8)
If there is an available lab test for detection of the virus, I am willing to do it	Agree	1	465 (76.7)
	Neither Agree nor disagree	0	84 (13.9)
	Disagree	0	57 (9.4)
If there is an available vaccine for the virus, I am willing to get it	Agree	1	375 (61.9)
	Neither Agree nor disagree	0	150 (24.8)
	Disagree	0	81 (13.4)
I usually follow the updates about the spread of the virus in my country	Agree	1	490 (80.9)
	Neither Agree nor disagree	0	87 (14.4)
	Disagree	0	29 (4.8)
I usually follow the updates about the spread of the virus worldwide	Agree	1	366 (60.4)
	Neither Agree nor disagree	0	171 (28.2)
	Disagree	0	69 (11.4)
If a lecture about the virus is organized near me, I will attend it	Agree	1	259 (42.7)
	Neither Agree nor disagree	0	199 (32.8)
	Disagree	0	148 (24.4)
If flyers or brochures that include information about the disease are distributed, I will read them and follow the instructions mentioned in them	Agree	1	513 (84.7)
	Neither Agree nor disagree	0	66 (10.9)
	Disagree	0	27 (4.5)
If protective measures and equipment are available at an affordable price, I will buy them	Agree	1	553 (91.3)
	Neither Agree nor disagree	0	36 (5.9)
	Disagree	0	17 (2.8)

Data is presented as frequency and corresponding percentages.

Table S3 Summary of responses to preventive practices towards COVID-19 questions

Question	Response	Score	N (%)
What would you do if you have fever and dry cough?	I will analyze the situation rationally. Stay home for observation and quarantine or go to the hospital for treatment	1	543 (89.6)
	I would like to go to the hospital, but with the fear of possible contact with an infected person	0	60 (9.9)
	I fell panic and wouldn't know what to do	0	3 (0.5)
If the country needs you, are you willing to help the frontline rescue?	Yes. A country's trouble is everyone's responsibility	1	382 (63.0)
	I am not sure and need suggestions from the family	0	184 (30.4)
	No! It is too dangerous	0	40 (6.6)
What would you do if you had close contact with a confirmed cases?	Proactively report to the community and stay in quarantine as required	1	564 (93.1)
	I will do nothing	0	13 (2.2)
	I fell panic and wouldn't know what to do	0	29 (4.8)
What would you do if someone cured from Covid-19 wanted to meet you?	I will meet them and show more kindness	1	281 (46.4)
	I will meet them just like before	0	286 (47.2)
	I will find an excuse to keep away from them	0	39 (6.4)
What will be your top priority when the epidemic stops?	I will go back to school and restart normal study	1	458 (75.6)
	Same as before	0	121 (20.0)
	The outbreak is too scary. I need to enjoy my life as much as possible	0	27 (4.4)

Table S4 Comparison of knowledge scores by student's characteristics

Variable	Knowledge		Attitude		Practices	
	Mean \pm SD	P-value	Mean \pm SD	P-value	Mean \pm SD	P-value
Sex		0.008		0.007		0.188
Male	13.26 \pm 1.38		36.87 \pm 3.62		13.39 \pm 1.36	
Female	13.55 \pm 1.34		37.64 \pm 3.37		13.54 \pm 1.44	
Age (years)		0.001		0.174		0.180
15-20	13.12 \pm 1.32		37.01 \pm 3.75		13.39 \pm 1.50	
21-25	13.52 \pm 1.37		37.33 \pm 3.39		13.48 \pm 1.36	
26-30	13.78 \pm 1.31		38.33 \pm 3.30		13.82 \pm 1.35	
Programme of Study		<0.0001		0.273		0.158
Medicine	13.72 \pm 1.13		37.20 \pm 3.39		13.39 \pm 1.43	
Dentistry	13.37 \pm 1.23		36.67 \pm 4.17		13.33 \pm 1.55	
Pharmacy	13.29 \pm 1.16		36.99 \pm 3.19		13.46 \pm 1.50	
Physician Assistant	12.38 \pm 1.91*		37.45 \pm 3.42		13.55 \pm 1.37	
Med. Lab. Tech	13.37 \pm 1.42		38.01 \pm 3.38		13.60 \pm 1.28	
Nursing/Midwifery	13.26 \pm 1.04		37.43 \pm 4.33		13.83 \pm 0.99	
Others	11.14 \pm 2.38*		38.64 \pm 2.74		14.29 \pm 0.91	
Level of education		<0.0001		0.218		0.002
100 level students	12.85 \pm 1.55*		37.19 \pm 3.68		13.67 \pm 1.38	
200 level students	13.03 \pm 1.64		36.99 \pm 4.11		13.51 \pm 1.46	
300 level students	13.49 \pm 1.22		38.06 \pm 3.03		13.28 \pm 1.41	
400 level students	13.61 \pm 1.15		37.37 \pm 3.03		13.45 \pm 1.40	
500 level students	13.82 \pm 1.20		36.60 \pm 3.76		12.94 \pm 1.44*	
600 level students	13.90 \pm 1.00		37.51 \pm 3.61		13.85 \pm 1.20	
Place of residence		0.948		0.188		0.002
Rural	13.41 \pm 1.68		37.74 \pm 3.54		13.87 \pm 1.26	
Urban	13.42 \pm 1.31		37.21 \pm 3.49		13.41 \pm 1.42	

References

- Awelia JK, Amoako K, Mensah V, et al. The Use of Seismic Refraction Technique for Geotechnical Investigation: A Case Study of KNUST Campus, Kumasi, Ghana. *IOSR Journal of Applied Geology and Geophysics* 2018, 6:41-47.