A Cross Sectional Study among Medical and Health Sciences Students in the United Arab Emirates: Knowledge, Attitudes, and Practices of COVID-19

Online Questionnaire

Part 1: Sociodemographic data

1.1 Age (in years):

1.2 Gender:
   - Male
   - Female

1.3 Nationality: (if you choose other, please specify)
   - UAE citizen
   - Other, please specify

1.4 Marital Status:
   - Single
   - Married
   - Divorced
   - Widowed

1.5 Do you have any children?
   - Yes
   - No

1.6 Emirate of residence:
   - Abu Dhabi
   - Dubai
   - Ajman
   - Sharjah
1.7 How many people live in your household including housemaids?

1.8 Which University do you attend?
- UAE University
- Khalifa University
- Mohammed Bin Rashid University
- Dubai Medical College
- University of Sharjah
- Gulf Medical University
- Ajman University
- RAK Medical and Health Sciences University
- Abu Dhabi University
- Fatima College of Health Sciences
- New York University Abu Dhabi
- Higher Colleges of Technology
- Other, please specify

1.9 What is your current field of specialty?
- Medicine
- Nursing
- Health emergency (Paramedics)
- Pharmacy
- Radiography and medical imaging
- Physiotherapy
- Medical Laboratory Technology
- Dental
- Public health
- Biomedical sciences
- Other, please specify
1.10 Type of degree (study program):
   o Undergraduate
   o Postgraduate

1.11 Total duration of the study program you are enrolled in (in years):

1.12 Year of study:
   o Year 1
   o Year 2
   o Year 3
   o Year 4
   o Year 5
   o Year 6

1.13 Do you suffer from any chronic diseases?
   o Yes
   o No

1.14 If you answer to the previous question was yes, please specify:
   o Diabetes
   o Hypertension
   o Asthma
   o Other, please specify

1.15 Do you live with someone who has a chronic disease (such as Respiratory diseases/Asthma, Diabetes, Cardiovascular disease, renal disease, liver diseases etc.)?
   o Yes
   o No

1.16 If your answer to the previous question was yes, please specify:

1.17 Did any of your family members or friends were tested for COVID-19?
1.18 If your answer the previous question was yes, what was the outcome?

- Asymptomatic
- Mild symptoms, isolated
- Severe symptoms and admitted to the hospital
- Severe symptoms and admitted in the Intensive Care Unit (ICU)
- Died
- Other, please specify

1.19 Have you been tested for COVID-19?

- Yes
- No

1.20 If your answer to the previous question was yes, please specify the result:

- Positive
- Indeterminate
- Negative
- Not known

1.21 What is your source of COVID-19 information? (you can select more than one option)

- TV
- Social Media
- Healthcare professionals
- Colleagues
- Your university
- Online courses (such as Webinars)
- Medical databases/websites
- Other, please specify
1.22 Have you attended any COVID-19 education courses (webinars/seminars)?
   o Yes
   o No

Part 2: Knowledge, Attitude and Practice

Section 1: Knowledge about COVID-19

2.1 COVID-19 is a new disease caused by virus SARS-CoV-2:
   o True
   o False
   o Don’t know

2.2 Which animal is most likely to transmit this virus to human? (you can select more than one option)
   o Bat
   o Camel
   o Pangolin
   o Civet cat
   o House pets
   o Don’t know

2.3 SARS-CoV-2 can be transmitted between humans by the following routes? (you can select more than one option):
   o Respiratory droplet
   o Airborne
   o Surfaces
   o Vector (such as mosquitoes, flies, lice, etc)
   o Bodily fluids (such as blood, saliva, etc)

2.4 Which of the following are COVID-19 symptoms? (you can select more than one option)
   o Fever
   o Dry cough
   o Cough with sputum
2.5 What is the average incubation period of COVID-19? (select only one option)

- 1-3 days
- 4-5 days
- 5-7 days
- 7-14 days
- Don’t know

2.6 What is the best diagnostic test for COVID-19? (select only one option)

- RT-PCR (using nasopharyngeal swab or oropharyngeal swab)
- Serology (Antibody test)
- Blood culture
- Lung CT scan
- Don’t know

2.7 COVID-19 can be treated by using the following (you can select more than one option):

- Anti-viral
- Anti-malarial
- Antibiotics
- Convalescent plasma transfusion
- Don’t know

2.8 Which of the following can reduce the spread of COVID-19? (you can select more than one option)

- Social distancing
- Self-isolation
- Wearing face masks
- Herbal remedies (ex: ginger, thyme, chamomile, turmeric, etc)
Avoiding crowded places
Don’t know

2.9 People who are asymptomatic and COVID-19 test positive must stay at home until they are free of the infection:
True
False
Don’t know

2.10 Generally, who should wear N95 masks? (select only one option)
Everyone
Healthcare professionals dealing with COVID-19 patients
Someone who is tested positive for COVID-19
Don’t know

2.11 Persons with COVID-19 cannot transmit the virus to others when a fever is not present:
True
False
Don’t know

2.12 It is not necessary for children and young adults to take measures to prevent infection from COVID-19 virus:
True
False
Don’t know

Section 2: Attitude

3.1 You are worried that you will get COVID-19 (select only one option):
Strongly agree
Agree
Disagree
Strongly disagree
No opinion
3.2 You are worried that a family member can get infected with this virus *(select only one option)*:
   - Strongly agree
   - Agree
   - Disagree
   - Strongly disagree
   - No opinion

3.3 Infection with the virus is associated with stigma (for example: the infected people feel ashamed because people are afraid of them and therefore avoid them) *(select only one option)*:
   - Strongly agree
   - Agree
   - Disagree
   - Strongly disagree
   - No opinion

3.4 The current measures taken by the UAE government are effective in stopping the spread of the infection *(select only one option)*:
   - Strongly agree
   - Agree
   - Disagree
   - Strongly disagree
   - No opinion

3.5 In your opinion, is there anything that can be done more?

3.6 You are confident that the UAE will be able to stop the spread of the virus *(select only one option)*:
   - Strongly agree
   - Agree
   - Disagree
   - Strongly disagree
   - No opinion
Section 3: Practice

4.1 In the last 2 weeks, have you visited any of the following places? *(you can select more than one option)*

- Shopping malls
- Grocery shops or supermarkets
- Barber shops or beauty salons
- Friends or family gatherings
- Restaurants or coffee shops
- Industrial areas
- Hospitals for treatment purposes
- COVID-19 facilities for volunteering purposes (hospitals/testing centers/hotels/etc.)
- I have not left my home

4.2 What precautions do you take when accepting home deliveries? *(you can select more than one option)*

- None
- Wearing masks
- Wearing gloves
- Disinfecting packages
- Hand washing after accepting packages
- Storing items in a room for few days before using them
- Other, please specify

4.3 Since the pandemic started, have you been washing your hands more frequently?

- Yes
- No

4.4 If you answer to the previous question was yes, please choose in which situation *(you can select more than one option):*

- After using the toilet
- Before cooking
- Before eating
- When coming from outside
o After touching more frequently on surfaces
o Other, please specify

4.5 Since the pandemic started, have you been wearing face masks?
   o Yes
   o No

4.6 If your answer to the previous question was yes, in which situations do you wear a face mask? (you can select more than one option)
   o In the car
   o In the shopping mall
   o When walking down the street
   o When going to the grocery shop
   o When going to the mosque
   o When visiting friends or family members
   o When going to the hospital
   o When accepting home deliveries
   o Other, please specify

4.7 Do you follow the curfew timings set by the UAE government?
   o Yes
   o No

4.8 With whom did you discuss COVID-19 since the pandemic started? (you can select more than 1 option)
   o Family members
   o Friends
   o Colleagues at school/college
   o Faculty members
   o Social media platforms (such as twitter, snapchat, Instagram, etc)
   o Other