

## World Health Organization eCourse Worksheet 1

Complete the following questions as you work through the WHO eCourse titled **Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control.**

### Module A

- 1. What are the examples of emerging respiratory viruses that are listed in this module? Please list year and virus.**
  - 2003 SARS
  - 2012 MERS
  - 2019 COVID-19
  
- 2. What is the term used to describe an infectious disease that can be transmitted between animals and humans?**
  - Spillover
  
- 3. What does the acronym SARS stand for?**
  - Severe Acute Respiratory Syndrome

### Module B

- 1. What actions does this module state need to happen concurrently to find additional cases and to prevent further spread?**
  - a. Actively finding cases
  - b. Through case and outbreak investigation
  - c. Conduct enhanced surveillance
  
- 2. According to this module, what areas of clinical expertise (5 total) should the multidisciplinary team be made up of?**
  - a. Field epidemiology
  - b. Clinical assessment
  - c. Biological specimen collection
  - d. Infection prevention and control
  - e. Risk communication and community engagement
  
- 3. In obtaining samples for PCR, which of the following sample types would be considered suitable options for the lower respiratory tract? Select all that apply.**
  - a. **Sputum**
  - b. Stool

Keiko Ripley  
N441 Clinical  
3/24/2020  
WHO eCourse

- c. Nasopharyngeal swab
  - d. **Lavage & aspirate**
  - e. Oropharyngeal swab
- 4. When obtaining nasopharyngeal and oropharyngeal swabs, the sample should be collected within 14 days of the person's last documented contact with a COVID-19 case.**
- 5. Is the following statement **true** or false?**

**If the specimen is obtained too early in the illness, results may be negative even in an infected individual.**

### Module C

- 1. Who are listed as target audiences for risk communication during this module?**
  - a. General public
  - a. Healthcare workers
  - b. Patients, their relatives, and influential groups in the communities
  - c. Individuals, families and influential groups in the communities
  - d. Travelers to and from affected countries
  - e. Population with animal exposure
  - f. Other vulnerable groups, e.g. migrant workers
- 2. What are some cultural practices related to caregiving and health care seeking behavior that may make it difficult to control an outbreak?**
  - a. In some culture, many relatives will accompany or visit sick family members when they are in hospital.
  - b. Some people may go to many different hospitals while sick before they decide to seek care. (doctor or hospital shopping)
  - c. Trust or lack thereof in authorities
  - d. Lack of knowledge on how the disease is transmitted
  - e. Some population group may not have access to appropriate information due to language barriers, not visual or easy to understand, not on channels of their choices.
- 3. When assessing the context of community engagement, what are some social science methodologies (4 total) that the presenter in this module suggests?**
  - a. Assess contextual qualitative information
  - b. Define an engagement and communication strategy with the key people identified in the assessment
  - c. Implement the activities defined in the strategy

- d. Monitor the desired impact of your strategy
- 4. What are the 6 common barriers to communication listed in this module?**
- a. Language and education
  - b. Cultural and ethnic differences
  - c. Irrelevant messages
  - d. Too much information
  - e. Time constrains
  - f. Noise and destructions

#### Module D

- 1. According to this module, what are the methods suggested for the general community to avoid transmission?**
- a. Avoid agglomerations and frequency of closed crowded spaces
  - a. Maintain distance of at least 1m from any symptomatic individual such as coughing and sneezing.
  - b. Perform hand hygiene frequently using alcohol-based sanitizers (20-30 sec) if not visibly soiled, use soap and water to wash hand (40-60 sec) id visibly soiled.
  - c. Cover nose and mouth with flexed elbow or paper tissue when cough and sneeze, dispose tissue immediately and perform hand hygiene.
  - d. Refrain from touching mouth and nose with unwashed hands.
  - e. Wearing medical mask and seek medical care if experiences fever, cough, difficulty breathing or SOB, etc.
- 2. WHO suggest using standard precautions for all patients, in all settings, at all times regardless of symptoms. According to the module, what are considered standard precautions?**
- a. Hand hygiene
  - b. Respiratory hygiene and cough etiquette
  - c. Use of PPE based on risk assessment (medical mask N95, face shield or goggles, gloves, gown)
  - d. Safe injection practice
  - e. Environmental cleaning
  - f. Waste management
  - g. Linen management
  - h. Patient care equipment
- 3. This module lists life-threatening manifestations of respiratory infection. Please list these manifestations below.**
- a. Severe pneumonia
  - b. Acute respiratory distress syndrome

Keiko Ripley  
N441 Clinical  
3/24/2020  
WHO eCourse

**4. What are the 3 supportive therapies listed in the module that may counteract the symptoms of COVID-19 and increase chances of survival?**

- a. Antimicrobials: pathogen caused infection or sepsis
- b. O2 supplementation: for Pt with respiratory issues and shock, such as respiratory distress and hypoxia.
  - i. High flow O2
  - ii. Ventilation (invasive or noninvasive)
- c. Specific treatment for underlying conditions: diabetes, renal failure,

Final question:

**1. What can you do, as a nursing student, to facilitate the transmission of accurate information and data regarding COVID-19 to the public?**

- a. Share the latest WHO or CDC information in social media such as FB, Instagram, WeChat, etc.
- b. Make my own masks for family members to use.
- a. Enhance the importance of hand hygiene and share it in social media.
- b. Frequent washing hands when I work, and after came home. Encourage family member to wash hands.
- c. Make flayers or posters with listed information to the public.

INSERT SCREENSHOT OF FINAL ECOURSE SCREEN HERE

