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Pandemic

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Per the Provost request, below are online courses and exercises pertaining to COVID -19 that we are assigning to students in *NUR 453 : Community Nursing Care Management* .

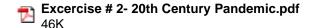
- Emerging respiratory viruses, including COVID-19: Methods for detection, prevention, response and control https://openwho.org/courses/introduction-to-ncov
- Infection Prevention and Control for Novel Coronavirus (COVID_19) https://openwho.org/courses/COVID-19-IPC-EN
- Coping with the Stress of Coronavirus https://postgraduateeducation.hms.harvard.edu/continuingeducation/covid-19-resources-providers?utm_source=SFMC&utm_medium=Email&utm_campaign=covid19ceem3%20&utm_term=#April%201

Respectfully,

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5 attachments





Exercise #3 Epidemiologic Triad and COVID-19.pdf

Exercise 4 Socio-Ecological Model and COVID-19.pdf

Exercise #5- Community Mitiagtion Plan.pdf

1 of 1 4/23/2020, 12:54 PM

NUR 453 Exercise #1: Timeline for COVID-19

Create a timeline for COVID-19 starting with when the virus was first detected in China to the present moment. Include in the timeline:

- Number of cases (confirmed) per week and # of fatalities (deaths) per week
- Actions taken by the international/national/local agencies to contain the virus
 - o Include the type of action and dates of when these actions took place.
- Spread of COVID-19 to other continents and countries
 - Start with continents. Which continent outside of Asia was the first to have a confirmed case of COVID19?
 - List the country within that continent that had the first confirmed case.

Resources to complete this activity: Feel free to use other resources besides the ones listed here.

World Health Organization website https://www.who.int/

CDC https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/summary.html

Harvard Health https://www.health.harvard.edu/diseases-and-conditions/coronavirus-resource-center

New England Journal of Medicine https://www.nejm.org/

Approximate time to complete: 2 hours

NUR 453: Exercise #2: 20th Century Pandemic

Research **one** pandemic of the 20th Century.

Write up a one to two page summary of this pandemic. Include

- Start with the year and duration of the pandemic
- Causative agent, mode of transmission
- Impact the pandemic had:
 - Individuals: total # of cases and # of fatalities
 - Who was most impacted? Who was most susceptible?
 - Society
 - What was the impact on communities and society at large?
- Control measures taken to contain the spread of the pandemic at the international, national and community level
 - What worked and what didn't worked

Approximate time to complete= 2 hours

NUR 453 Exercise #3: Epidemiologic Triad and COVID 19

Use the Epidemiologic Triad (agent, host and environment) to analyze COVID-19.

- I. Write a summary that includes up-to-date information.
 - Agent:
 - o What do we know about the agent?
 - What type of agent is it?
 - How is this agent transmitted?
 - Does this agent have a reservoir?
 - How long does can this agent live outside the body on surfaces or air?
 - Do we know what can eliminate (kill) the agent?
 - Host:
 - Which individuals are most susceptible/vulnerable to COVID-19?
 - Are there carriers (individuals that are non-symptomatic but can still carry and transmit the agent?
 - What behaviors/activities puts the host at risk of getting COVID-19?
 - Environments
 - What environments are conducive to the transmission of COVID-19?
 - Does climate (hot or cold temperatures) affect the transmission of COVID-19?

II. What evidence-based interventions can be put in place to prevent and eliminate COVID-19 infections at the agent, host and environment level?

The summary and interventions should be no more than 2 pages long.

Approximate time to complete= 2 hours.

NUR 453 Exercise #4: Socio-Ecological Model and COVID-19

Use the Socio-Ecological Model to examine, and analyze the impact (actual and potential) that COVID-19 has had up to now at the different levels. Write your analysis in a one to two page paper. Include at least 3 references.

Individual:

- What has been the impact on individual's behavior and activities of daily living?
- What has been the impact on individual's mental health?

• Interpersonal:

 What has been the impact on relationships with families, friends and social networks?

Community:

- What has been the impact on neighborhoods, employment (work), schools?
- Are there new cultural norms that communities are adopting?

Societal:

- What has been the economic impact of COVID 19 for society?
- What sectors have been highly impacted by COVID-19? For example, transportation, healthcare system, education system
- What public policies and laws are being put in place to address COVID-19?

Approximate time to complete= 2 hours

NUR 453 Exercise #5: Community Mitigation Plan

Refer to the CDC's *Implementation of Mitigation Strategies for Communities with Local COVID-19 Transmission.*

Design a mitigation plan for substantial COVID-19 infection for the community where you are living now. The plan should give specific guidance for

- Individuals and families
- Schools and Childcare
- Assisted living facilities, senior living facilities and adult day care programs.
- Workplace
- Community and faith based organizations
- Healthcare settings and healthcare providers

Include specifics about your community such as how many people, the location (rural, urban), nearest hospital and/or healthcare facility, businesses present, etc.

Approximate time to complete= 2 hours