

Exam 5 Study Guide Fall 2022

Please review the main concepts from the movie, Contagion, as well as R-Naught. Also, review your epidemiology math questions.

DHW – Ch. 14	Risk of Infectious and Communicable Diseases	ATI Ch. 3 pp 23-25
1. Compare and contrast endemics, epidemics, and pandemics. DHW & ATI		
2. How do you break the chain of infection? DHW & ATI		
3. Compare and contrast types of indirect versus direct mechanism of transmission of disease. Which diseases fit under each mechanism of transmission? DHW & ATI		
4. What are the parts of the chain of infection (be specific)? DHW & ATI		
5. What are host factors that can increase the risk of contracting a disease? DHW		
6. What is the incubation period? DHW		
7. Whom is a provider required to report diseases to? DHW		
8. What are risk factors for acquiring a STD (STI)? DHW		
9. What are primary, secondary, and tertiary prevention interventions for sexually transmitted infections(STIs)? DHW & ATI		
10. Which STI's have severe and debilitating long term effects? DHW		
11. What are the steps of an outbreak investigation and apply them in a scenario? DHW		

DHW – Ch. 15	Emerging Infectious Diseases	ATI Ch. 3 pp 23-25
1. What are Primary prevention strategies for infectious/communicable diseases? ATI		
2. What are Secondary prevention strategies for infectious/communicable diseases? ATI		
3. What are the nationally notifiable diseases? ATI		
4. What is herd immunity? DHW & ATI		
5. Compare and contrast active vs. passive immunity? How do you get them? DHW & ATI		
6. Why are some diseases reported? ATI		
7. What is natural immunity? ATI		
8. What equipment is needed for an outbreak of the avian influenza? DHW		
9. What indicates a positive TB-skin test? DHW		
10. What factors increase the spread of TB? DHW		

DHW – Ch. 20	Community Preparedness: Disaster and Terrorism	ATI Ch. 8
1. What client classifies as a “Black” triage tag? DHW & ATI		
2. What client classifies as a “Red” triage tag? DHW & ATI		
3. What client classifies as a “Yellow” triage tag? DHW & ATI		
4. What client classifies as a “Green” triage tag? DHW & ATI		
5. What is the nurse's role in a Risk Assessment during disaster preparedness? ATI		
6. What occurs in the Planning phase of disaster management? DHW & ATI		
7. What is the purpose of evaluation and After Action Report? DHW & ATI		
8. What is included in an epidemiological analysis report (look at the recovery phase)? DHW		
9. What are the emergency preparedness steps from the American Red Cross? Handout		

10. What are the nurse's roles in a bioterrorism disaster? ATI
11. What are the manifestations of smallpox? ATI
12. Where would the community receive supplies, food, water and possibly medications after a disaster? DHW
13. What are the nurse's role in field triage in a disaster? ATI
14. What are examples of vulnerabilities in communities included in their disaster preparedness plans? DHW & ATI
15. What are the phases of emergency management response? DHW & ATI

DHW Ch. 6, 7	Epidemiology-Rates	ATI Ch. 3
1. Calculation of rates related to bioterrorism, and communicable diseases.		
2. Review prevalence rate, prevalence proportion, infant mortality rate, case-specific mortality rates, and cause-specific mortality rates.		
3. Review how to calculate R-naught (R-0) and understand what it means. Handout		
4. What are the uses of the principles of epidemiology?		