

Topic:

- **General Notes**
 - ?
- **Select one health problem**
 - Define problem/describe pathology/pathophysiology
 - Describe the agent
 - Describe the condition
 - M&M
- **Identify the risk factors:**
 - Risk of contraction
 - Comorbidities
 - Sequela
 - Etc.....
 - Demographics of at risk individuals, behaviors, SES, location etc
- **Things that we do not know (gap) about health problem**
 - research-CH 5 & 6 tell us where we can get the data and the type of study (listen to chapter 5 & 6 lecture) I.E pubmed, CDC.
- **try to find answer of how to fill gap about health problem**
 - What study can we devise to answer this question (Ch 6.)
Observation/experimental
 - Most likely observational still be applicable
 - What are the limitations of this study we came up with?
- **Summary/conclusion**
 - Host characteristics
 - Environmental
 - Temporal variation
 - Additional characteristics
- **Sources**
 - https://wwwnc.cdc.gov/eid/article/27/4/20-4036_article

APPENDIX 4-1

Project: Descriptive Epidemiology of a Selected Health Problem

Select a health problem to explore in detail by using a descriptive epidemiologic approach. For examples of health problems or diseases that might be studied, refer to [Exhibit 5-4](#). You can also access the Internet addresses shown in [Exhibit 5-2](#) to develop a reference list.

The objectives of this exercise are as follows:

- To gain experience in describing and analyzing the distribution of a health disorder in a population
- To become familiar with various sources of data for the epidemiologic description of a health disorder
- To enhance the ability to make sound epidemiologic judgments related to public health problems

Examples of sources of data:

- Morbidity and mortality reports (vital statistics): World Health Organization and international reports; U.S. federal, state, and local annual and periodic reports
- Current literature on the selected health problem
- Reports of special surveys

Model for organization of paper:

1. Define the problem (nature, extent, significance, etc.).
2. Describe the agent.
3. Describe the condition (briefly).
4. Examine the above sources for data on morbidity and mortality in the selected health problem.
5. Summarize these data on the distribution of the selected health problem according to the following factors, using tables, graphs, or other illustrations whenever possible.
 - A. Host characteristics
 1. Age
 2. Sex
 3. Nativity
 4. Marital status
 5. Ethnic group
 - B. Environmental attributes
 1. Geographic areas
 2. Social and economic factors
 1. Income
 2. Housing
 3. Occupation
 4. Education
 - C. Temporal variation
 1. Secular
 2. Cyclic
 3. Seasonal
 4. Epidemic
 - D. Any additional characteristic that contributes to an epidemiologic description of the disease
6. Summarize any current hypotheses that have been proposed to explain the observed distribution.
7. List the principal gaps in knowledge about the distribution of the health problem.
8. Suggest areas for further epidemiologic research.
9. Critically appraise the data as a whole; consult primary sources and important original papers.