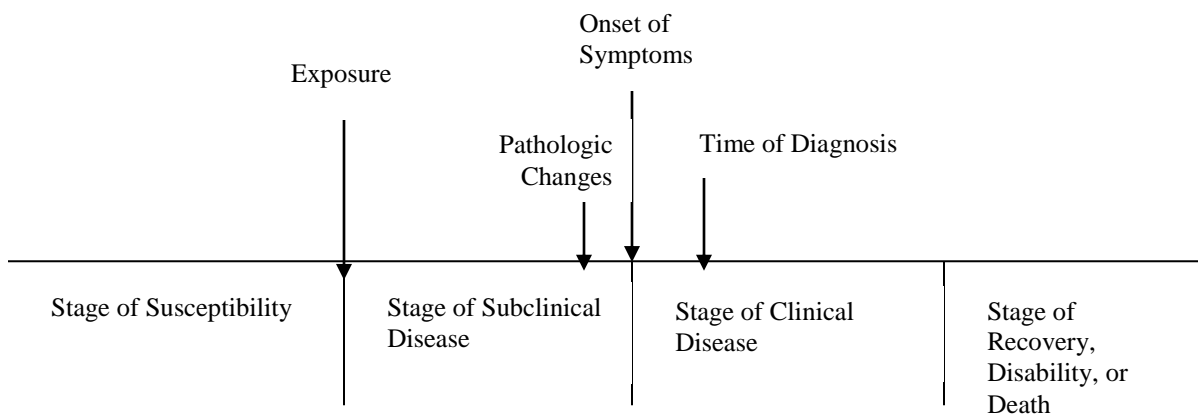


## Lab: Causal Concepts

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**Instructions:** Your group will be assigned a Disease Fact Sheet from the CDC (<http://www.cdc.gov/DiseasesConditions/>). Examples of diseases that we will be studying include asthma, Salmonellosis, Gonorrhea, coronary heart disease, and HIV. Answer each of these questions below.

1. Complete the **natural history** of disease for the disease your group has been assigned. Copy this chart on your page and identify causal exposure(s), pathological changes, possible symptoms, and potential outcomes and disabilities that may ensue right on your chart.



2. List examples of methods that can be used to **prevent** the disease you are studying.

- List primary prevention method(s).
- List secondary prevention method(s).
- List tertiary prevention method(s).

3. Consider **causal factors** for your disease.

- Which of these factors are *necessary* (if any)?
- Which are *contributory*?
- Can you identify a constellation of factors that can be considered *sufficient*?

4. Consider **agent, host, and environmental** contributors of your disease.

- List the primary agent or agents? Are these biological, physical, or chemical agents? If biological, is it a virus, bacteria, or something else?
- Identify host factors that contribute to disease.
- Identify environmental contributors and factors that either favor the agent or disfavor the host.

5. Draw a **causal web model** for your disease. Consider indirect, intermediate, and direct causes and their inter-relations.