



Biology 675

EPIDEMIOLOGY




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Epidemiology



The Disease Detectives





Epidemiology:


Public Health Service



Public Health Service Examining Board



Epidemic Intelligence Service



- Collects and analyzes epidemiological information in the U.S.
- Publishes *Morbidity and Mortality Weekly Report* (MMWR) www.cdc.gov

M & M

- Morbidity:
- Mortality:
- Morbidity rate =
- Mortality rate =

Epidemiological Methods

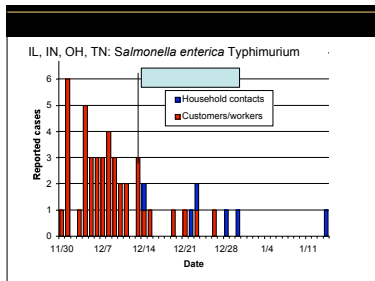
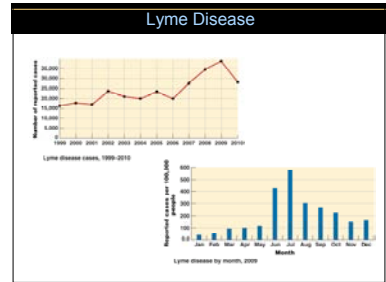
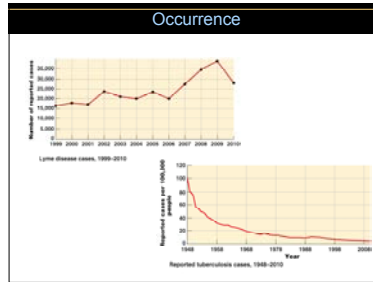
- Case reporting
- Case reporting

Occurrence

- Incidence
 -

- Prevalence
 -

- Sporadic disease
 -



Prevention

- Pasteurization
 - High heat, short time
 -

- Equivalent tx

Methods

- Descriptive epidemiology
 -
 -

Methods

- Descriptive epidemiology
- Analytical epidemiology

Methods

- Descriptive epidemiology
- Analytical epidemiology
- Experimental epidemiology
 -

BioBuck

- Ignaz Semmelweis 1846-1848
 - ? Analytical
 - ? Descriptive
- John Snow 1848-1849
 - ? Experimental
- Florence Nightingale 1858

