Different PH Approaches

- **Population-based health**: When groups of people become our “patients”
- **Active surveillance**: Monitoring communities for unusual patterns of illness
- **Medical police**: Limiting individual rights so the public can be healthy
- **Social justice**: Providing essential services for those in need; especially when it contributes to the social good
Public Health Approach Defined By Prevention

Did you know there are different types of prevention?
Natural History Of Cancer & Levels Of Prevention

- Onset of Disease
  - Exposure
    - Primary Prevention
  - Early Detection
    - Secondary Prevention
  - Onset of Signs/Symptoms
    - Tertiary Prevention

Preclinical

Clinical

Notes Available
Surveillance in Public Health

• Not passive intelligence gathering, but ACTIVE surveillance
• Latin -- meaning to look over
• We are “looking over” data to find patterns
• Epidemiology is the application of the scientific method to public health problems
• The scientific method requires the generation and testing of hypotheses
Efficacy vs Effectiveness vs Equity

• Scientist sets up laboratory experiments
  – Single statement as hypothesis
  – Controls for confounding variables
  – Explains variance with “residual effect”
  – Residuals are placebo effect
• Effectiveness Research synthesizes factors
• What methods are the best for studies of equity and empowerment?
Public Health & Social Justice

• Access is more than an geographic issue
• Equity is different from equality
• Equity focuses on outcomes
• Equality addresses inputs (access)
• Public Health Officers function as:
  – Robin Hood
  – Don Quixote
  – Machiavelli