

## 09/29 The Decline of Tuberculosis

### Epidemiology 101

- Importance of mechanism of spread
- Water- and food-borne pathogens: Jack in the Box
- Sexually transmitted infections
- Airborne pathogens
- Different routes of spread require different responses

### Tuberculosis

- Epidemiology: 2,000,000,000 people infected
- Pathophysiology: consumption
- Infection vs. disease
- Chronicity
- Social determinants of mortality

### Tuberculosis in the 19th Century

- Ancient origins: Egyptian and Andean mummies
- Rise to dominance
- Disparities between rich and poor
- Culture of tuberculosis: Keats, Shelley, Bronte Sisters, Poe, *Les Miserables*
- Responses: treatments, sanatoria, health migrants

### Decline of Tuberculosis

- Not caused by natural selection: Lipsitch & Sousa
- Medical care and the McKeown hypothesis
- Public health and sanitation?
- Malnutrition?
- Politics and socioeconomic change?