

10/25 Inoculation and Vaccination

Smallpox

- Pathophysiology

- Epidemiology in the colonial era and 19th century

- Management: quarantine, treatment

Inoculation

- Origins

- Methods

- Boston, 1721: smallpox inoculation controversy

- Individual decisions and public consequences

- Inoculation in the 18th century: variable implementation

Inoculation and War

- Washington and the Continental Army

- Deliberate Infection, at Fort Pitt and elsewhere

Vaccination

- Edward Jenner and James Phipps

- Success and controversy: vaccination riots, e.g. Boston 1901-1903

- Smallpox eradication: 26 October 1977

The Challenge of Using Effective Treatments Effectively

- Failed eradication: measles, malaria, polio

- HIV: 2.5% of people with HIV currently received adequate treatment