

Training Manual on Tuberculosis for Virginia Tech Adult Day Services' Staff

By

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Outline

- Occurrence
- Mantoux Skin Test
- Organism
- Reservoir
- Famous People with TB
- Transmission
- Control
- HIV/AIDS and TB

Occurrence

- One-third of world population affected.
- In 2004, WHO estimated greatest number infected in South East Asia.

Mantoux Tuberculin Skin Test

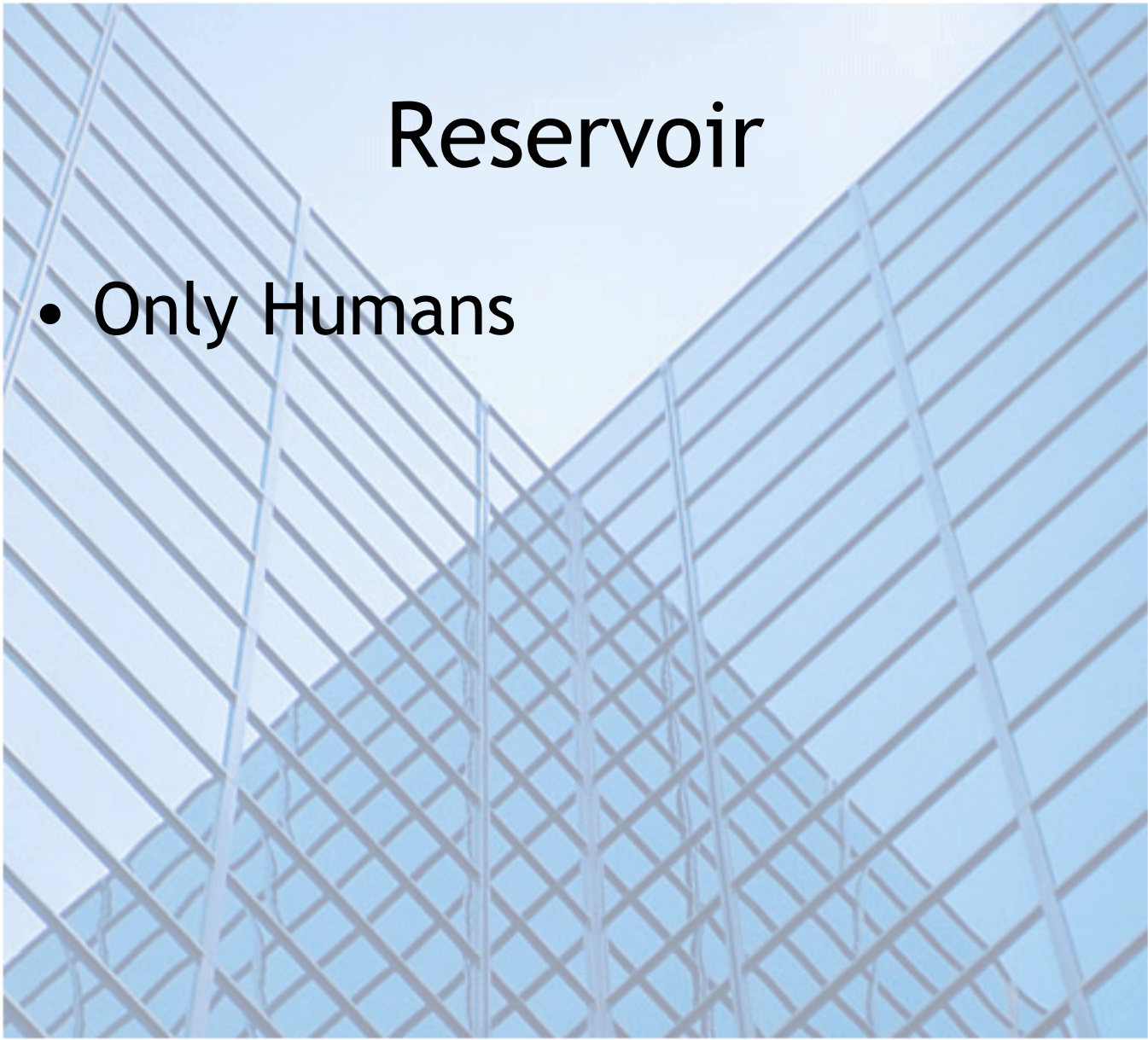
- Usually done on the inner surface of forearm.
- It is a Screening Test.
- Can reveal if person has been infected.
- Must be read within 48 to 72 hours
- Positive skin test= Palpable, hard, raised area on the injected site.

Organism

- Mycobacterium Tuberculosis
- Acid Fast Bacilli
- Therefore, treatable with antibiotics DOTS(Directly Observed Treatment Short Course)

Reservoir

- Only Humans



Famous People with Tuberculosis:

- John Keats
- Charlotte Bronte
- Anne Bronte
- Frederick Chopin
- Robert Louis Stevenson
- Nelson Mandela

Spread of Tuberculosis

- Can occur when someone with active TB does:
- Coughing- Greatest spread of droplet nuclei especially in a poorly ventilated room, bus or other enclosure.
- Spitting, singing, talking, sneezing, laughing

Control

- Proper Coughing and Sneezing Technique
- Good Housing
- Improved Nutrition
- Avoid Overcrowding
- Immunization; BCG vaccine in some countries

Control Continued

- DOTS-Directly Observed Treatment Short Course Therapy
- Periodic TB Skin Tests for Staff working with people in the extremes of life; the elderly, the very young
- Periodic TB Skin Tests for staff working with the immuno-compromised

HIV/AIDS and TB

- One of the most serious threat to mankind.
- Organism may persist for years in immuno-competent person.
- Break down of immunity-overt TB



Thank You!!!