

THE EPIDEMIOLOGY OF MURINE TYPHUS

PURPOSE

To teach basic understanding of epidemiological procedures of murine typhus and their relations to prevention and control.

AUDIENCE

Public Health Service personnel, physicians, medical students, nurses, laboratory technicians, professional personnel interested in rat borne disease control.

CONTENTS

1. The three elements of a murine typhus epidemic—animal reservoir (rats) to vector (rat fleas) to man.
2. Human incidence of murine typhus including geographic distribution; age, sex and social status distribution; and seasonal characteristics.
3. Character of rat reservoir of infection including mode of perpetuation and mode of transmission.
4. The relation of the vector to the reservoir and to humans.
5. The role of the doctor in diagnosis, serological confirmation, and reporting of murine typhus.
6. The role of the Public Health Officer in locating foci of infection, instituting continuous control measures, and cooperating with the USPHS in analysis and control of epidemics.
7. The role of PHS epidemiologists in locating infectious rats, confirming by complement-fixation tests, counting and identifying ectoparasites, analyzing data, and instituting control measures.
8. Brief visualization of key control activities: DDT dusting, poisoning rats, and ratproofing buildings.

AVAILABILITY

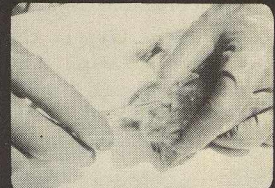
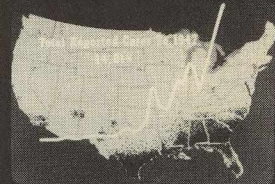
Thirty day loan upon request to
MEDICAL DIRECTOR IN CHARGE
COMMUNICABLE DISEASE CENTER
605 Volunteer Building, Atlanta 3, Georgia

PRODUCTION NO.
CDC 4-049
RELEASED 1948

MOTION PICTURE
16 mm. Sound
Black & White
Length: 665 Feet
Time: 18 Minutes

GRAPHIC FORM

- Photography
- Animation



COMMENTS

First of a series on epidemiology of infectious diseases. Demonstrates the pattern: animal reservoir to vector to man.