

**ZOONOTIC DISEASE  
SITUATION OF  
MONGOLIA**

B.Amgalanbayar organizer of EOP NCZD

## GENERAL ACTIVITIES OF NCZD

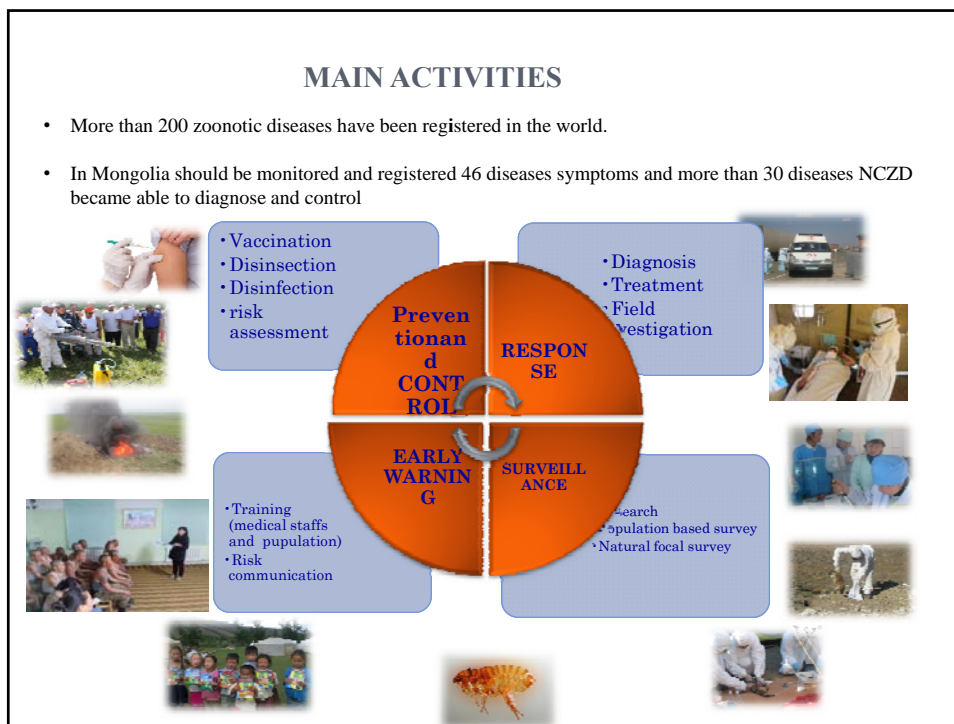
**MISSION:**

*To decrease human morbidity and mortality of zoonotic infectious diseases by conducting control and preventive measures of diseases*



**HISTORY:**

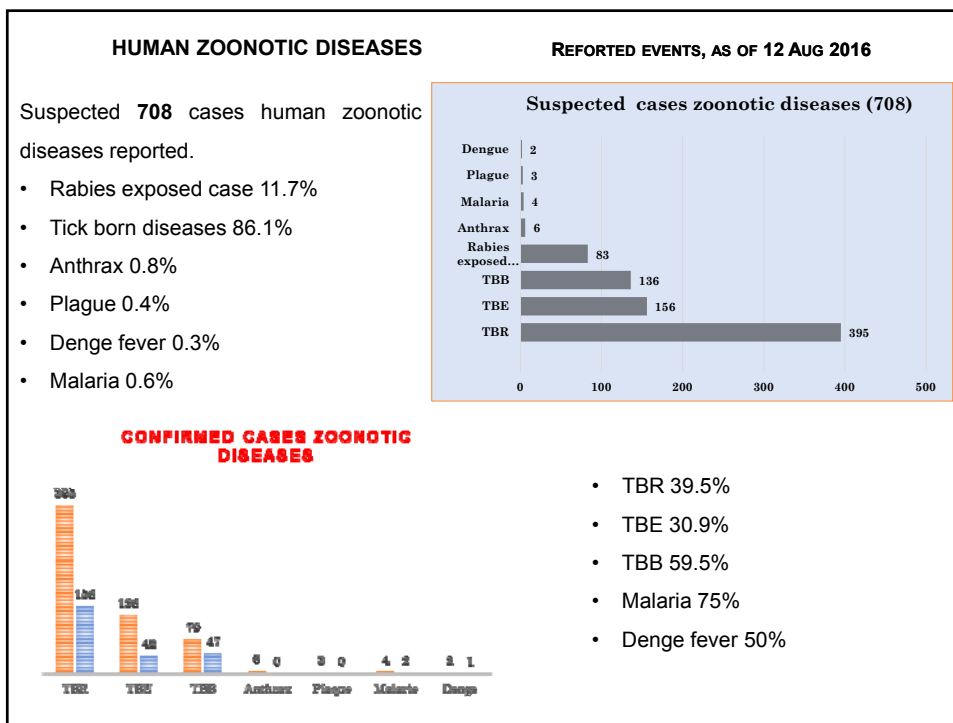
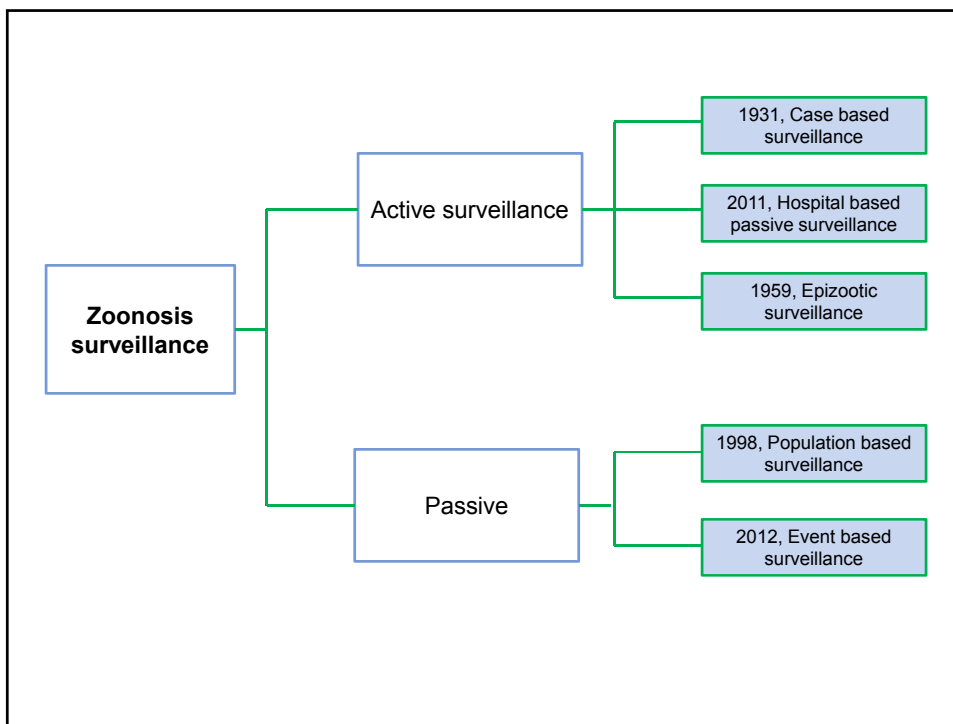
- 1931-1939     Antiplaque research laboratory
- 1940 -1949     Central antiplaque station
- 1950 - 1960     Antiplaque Department
- 1961- 1989     Department against acute infectious diseases
- 1990 -2005 -     Center for infectious diseases with natural foci
- 2006 - 2011     National Center for Infectious Diseases with Natural Foci ”
- Since 2012     National center for zoonotic Diseases



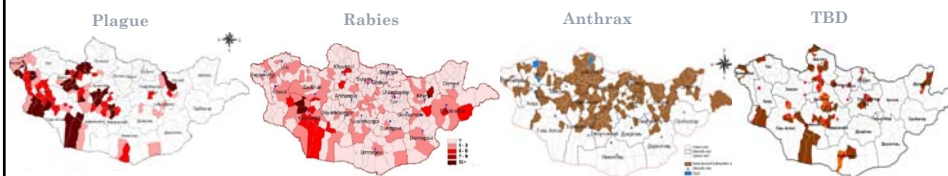
### LIST OF THE LEADING ZOOTIC DISEASES THAT IS STUDYING

Leading diseases	Necessary to study	Diseases of the need for additional testing and study
Plague Avian flu Anthrax <b>Rabies</b> TBEncephalit Brucellosis <b>Echinococosis</b> Tularemia	Malaria Dengue fever Glanders Toxoplasmosis West nile fever Japan encephalitis Hantaviral diseases Cryptosporidiosis Erysipelothrix Pasteurelloses	<b>TBRickettsiosis</b> Leptospirosis Cholera Listeriosis Crimean congo fever Q fever <b>Lyme disease</b> Ebola Marburg Smallpox SARS

The joint orders No.47/A/75 of the Minister of Health and the Minister of the Food, Agriculture and Light Industry

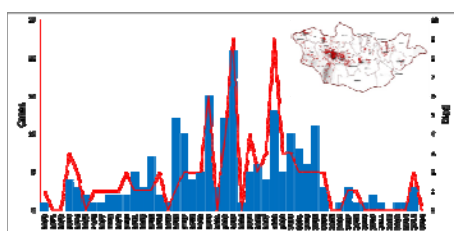


### NATURAL FOCI OF ZONOTIC DISEASE

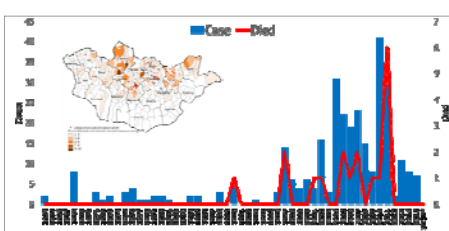


- Plague – 17 province 137 soum
- Боом – 17 province 87 soum+Ulaanbaatar
- Галзуу – 21 province 226 soum
- Хачгаар дамжих халдварт өвчин – 16 province 59 soum+Ulaanbaatar

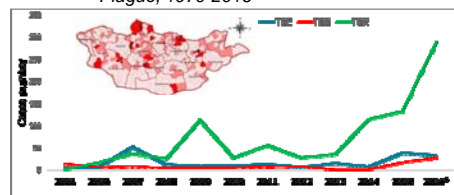
### SITUATION OF ALL HUMAN ZONOTIC DISEASE



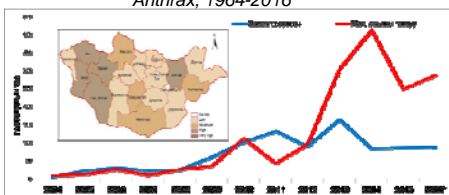
Plague, 1970-2016



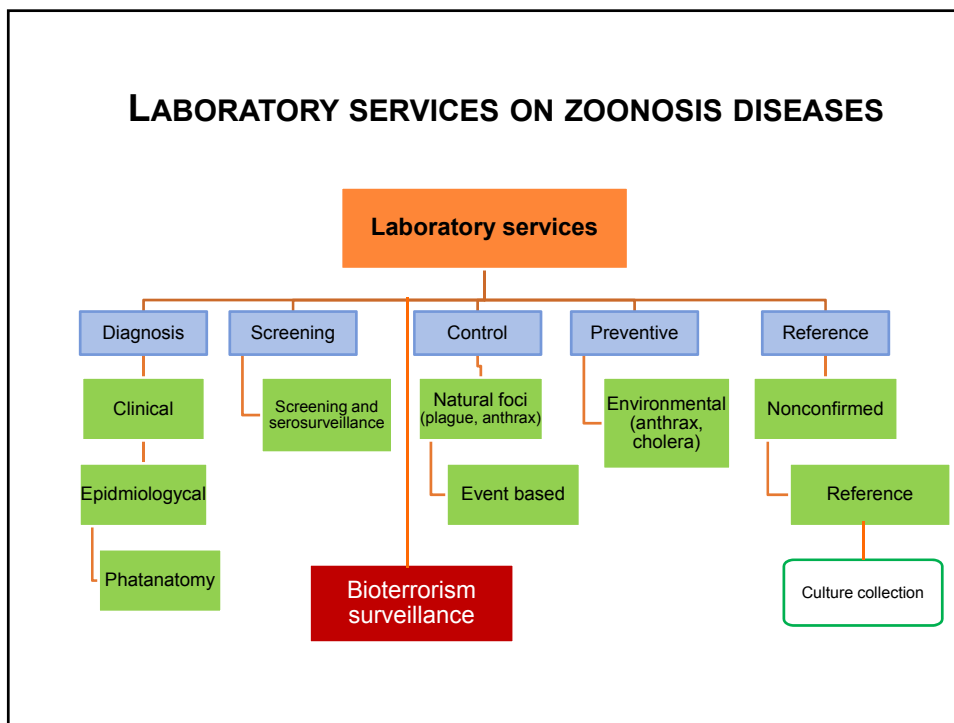
Anthrax, 1964-2016

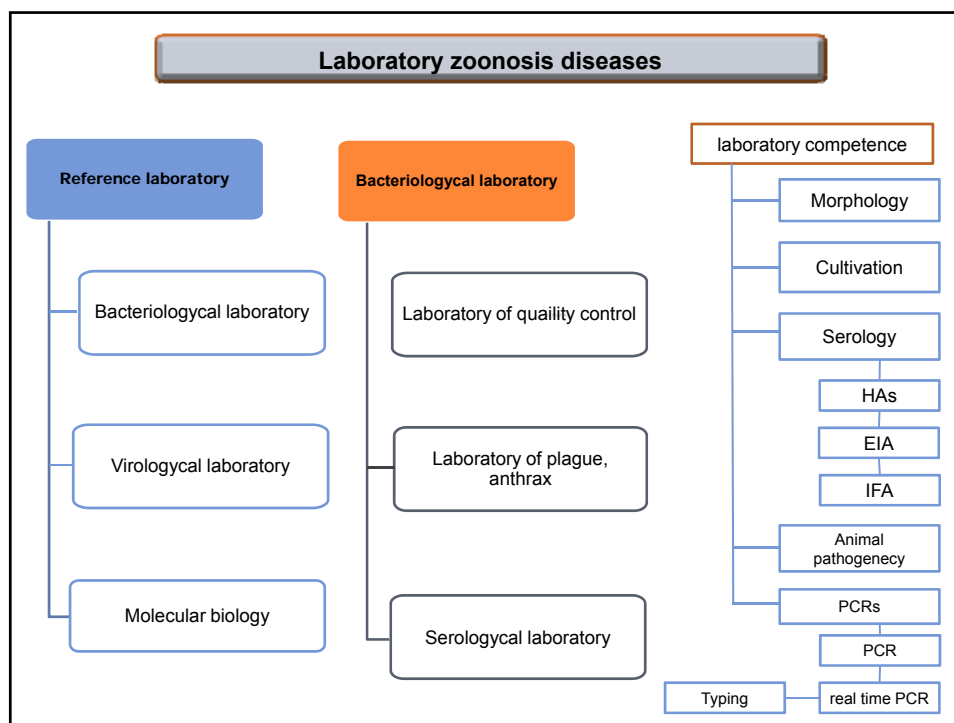


Tick borne disease, 2005-2016



Human and animal rabies 2004-2016





**CAUSED BY BACTERIAL INFECTION USED IN  
BIOTERRORISM, MONGOLIA.**

**Responded disease-43%-Bioterrorism in NCZD.**

- Plague-1926, live culture fund of plague.
- Anthrax-1952, live culture fund of anthrax.

**Action of BT**

- 8 emergency call 2008-2011
- Anthrax bacillus

**Problems:**

- *legal framework*
- *Preparedness*
- *Human resource*

### **Further matters:**

- Strengthen surveillance system
- Make a comprehensive assessment instead of rapid assessment of risk /danger, vulnerability, susceptibility and capacity/
- Improve and expand laboratory diagnostic capacity
- Provide biosafety of laboratory
- Process control policies of echinococcosis
- Study parasitic infections that through the soil
- About rabies:
  - Problem of stray dogs
  - Control of owner dogs and cooperation with organizations
- Vector borne diseases (cross-border control)

### ***WISHING SUPPORT FOR :***

#### ***Strengthen cooperation***

- Work WHO foreign consultant of short-term to epidemiological field
- Organize capacity building training for NCZD's and rural specialists of
- Technical support to process the development policy's documents of the specific prevention of zoonotic diseases

#### ***Improve the capacity of laboratory diagnosis***

- Improve surveillance and diagnosis of the emerging and re-emerging infectious diseases
- Create integrated network of laboratory
- Participate in external quality control of laboratory

***THANK YOU FOR COLLABORATION .***