

Two Zoonotic Diseases Surveillance & One Health in China

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List of Zoonotic Diseases in China from MOA

- **Bovine Spongiform Encephalopathy, Highly Pathogenic Avian Influenza**
- **Rabies, Anthrax, Brucellosis, Toxoplasmosis,**
- **Echinococcosis, Leptospirosis, Salmonellosis, Bovine Tuberculosis, Schistosomiasis,**
- **Japanese Encephalitis, Streptococcus Swine type II Disease, Trichinosis, Cysticercosis, Glanders, Tularemia**

List of Zoonotic Diseases in China from MOA



- **E.coli (O157: H7), Listeria disease, Melioidosis, Actinomycosis, Fascioliasis, Filariasis, Q fever, Avian Tuberculosis, Leishmaniasis**
- **Ministry of Agriculture Bulletin (No. 1149) of The People's Republic of China January 19, 2009 shall come into force.**

Zoonotic Disease-related Laws and Regulations in China

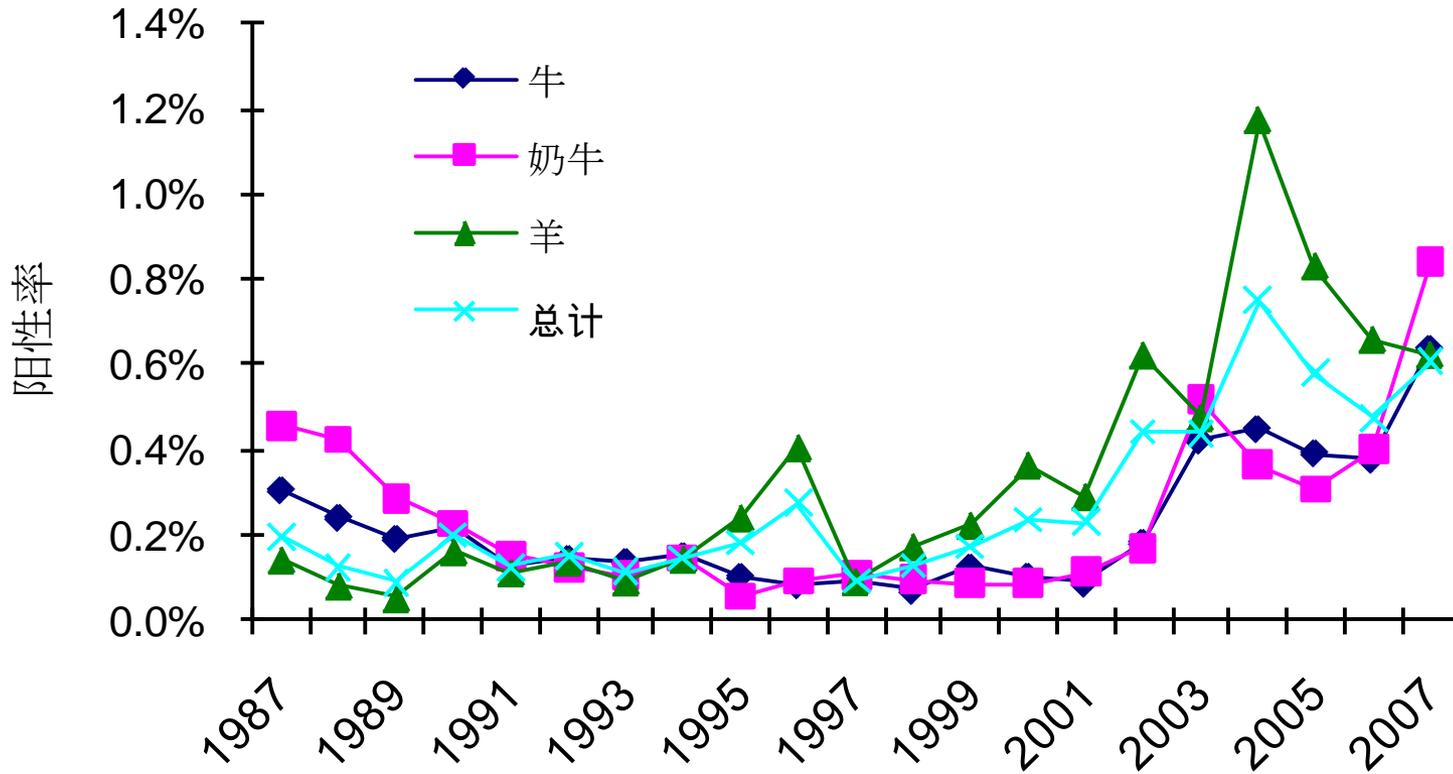


- **"Animal Epidemic Prevention" (No. 23,37)**
- **"Communicable Disease Prevention Act" (Article 25,36)**
- **"Animal Husbandry Law"**
- **"Major Animal Disease Emergency Regulations (Protocols)"**
- **"Experimental Pathogenic Microorganisms Laboratory Bio-safety Regulations"**

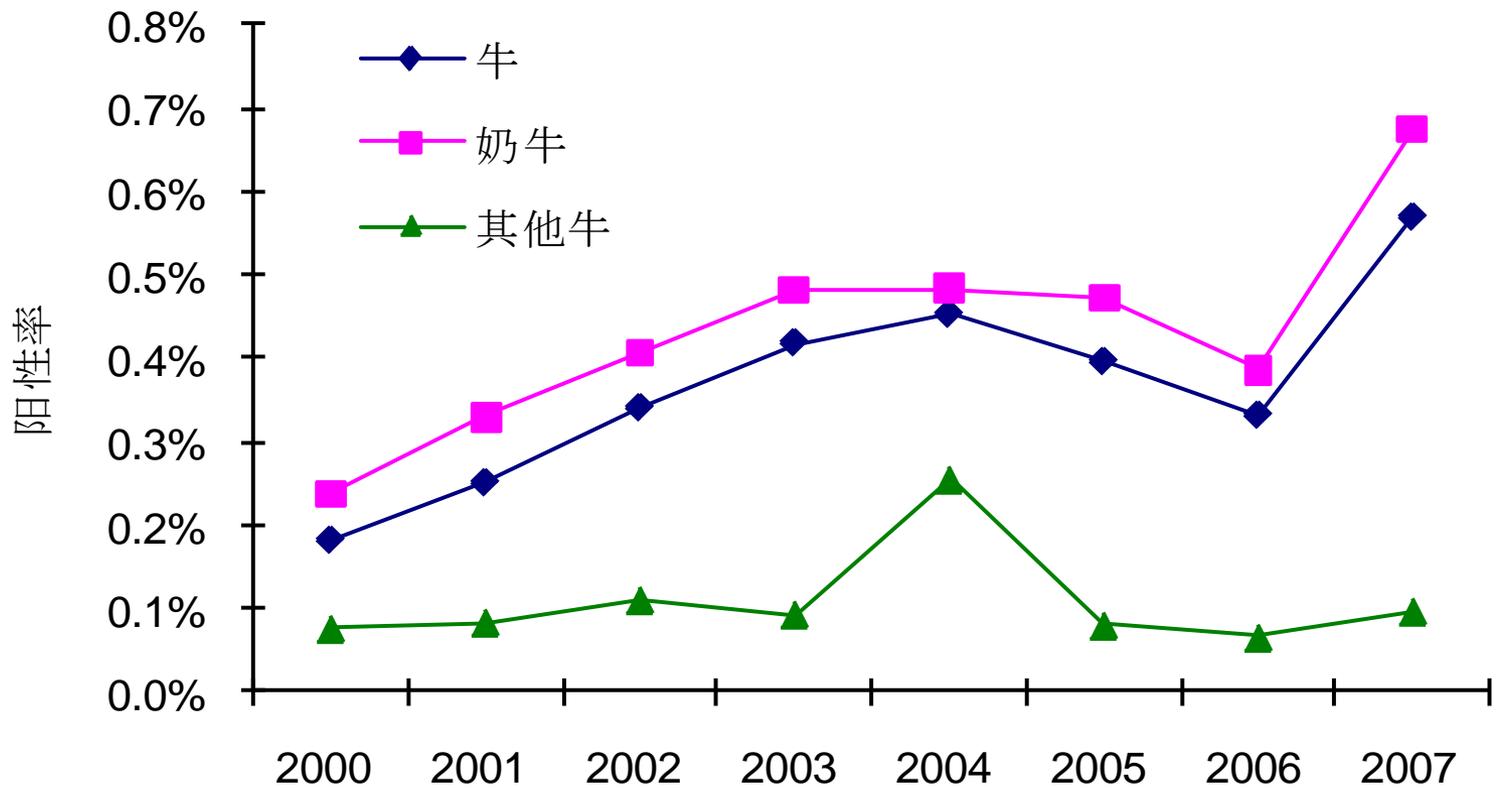


Technical Specifications and Standards

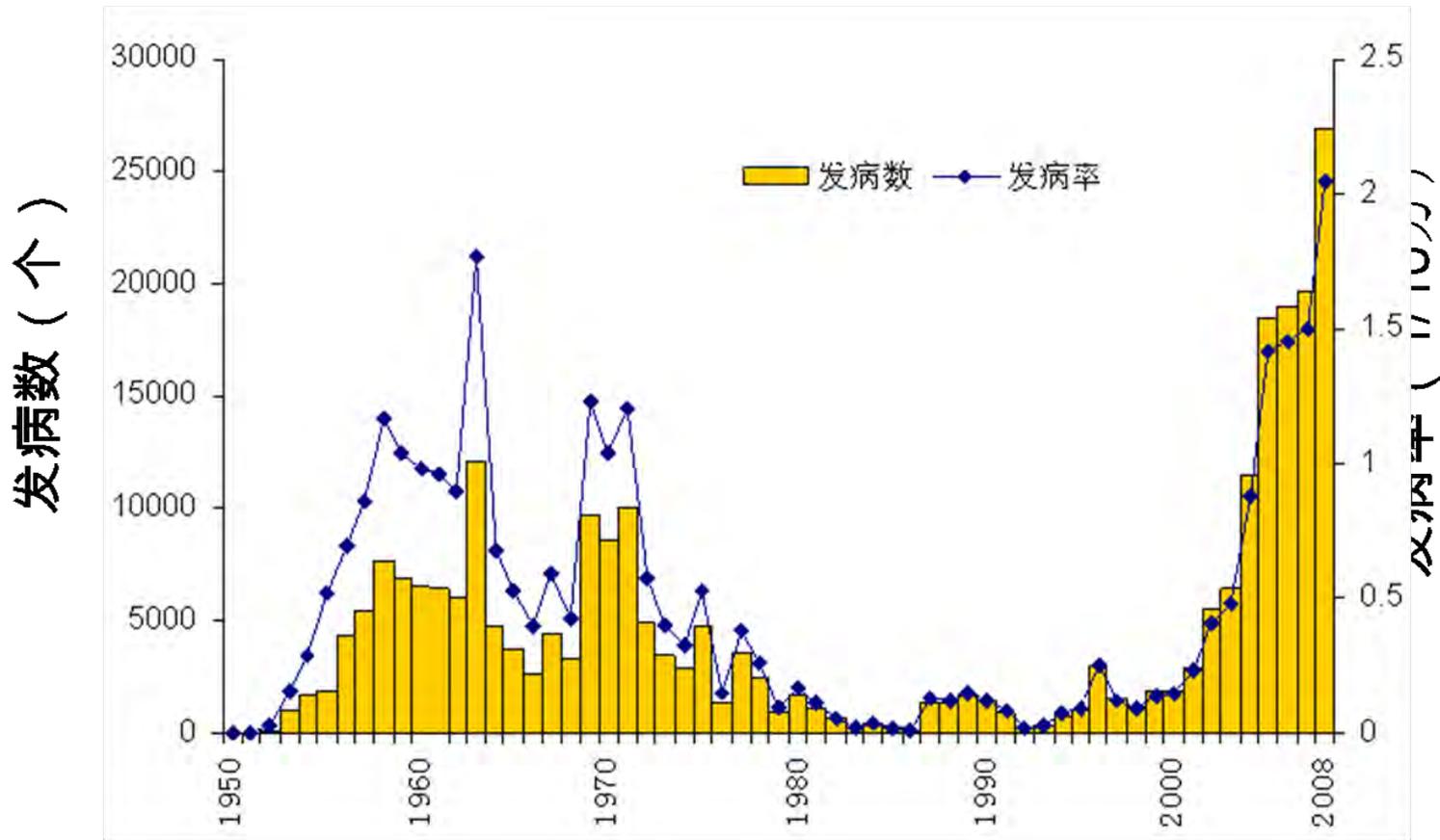
- " Control and Prevention Specifications for Brucellosis "
- " Control and Prevention Specifications for Bovine Tuberculosis "
- " Rabies Control Technology Standards"
- " Dairy Animal Health Standards"



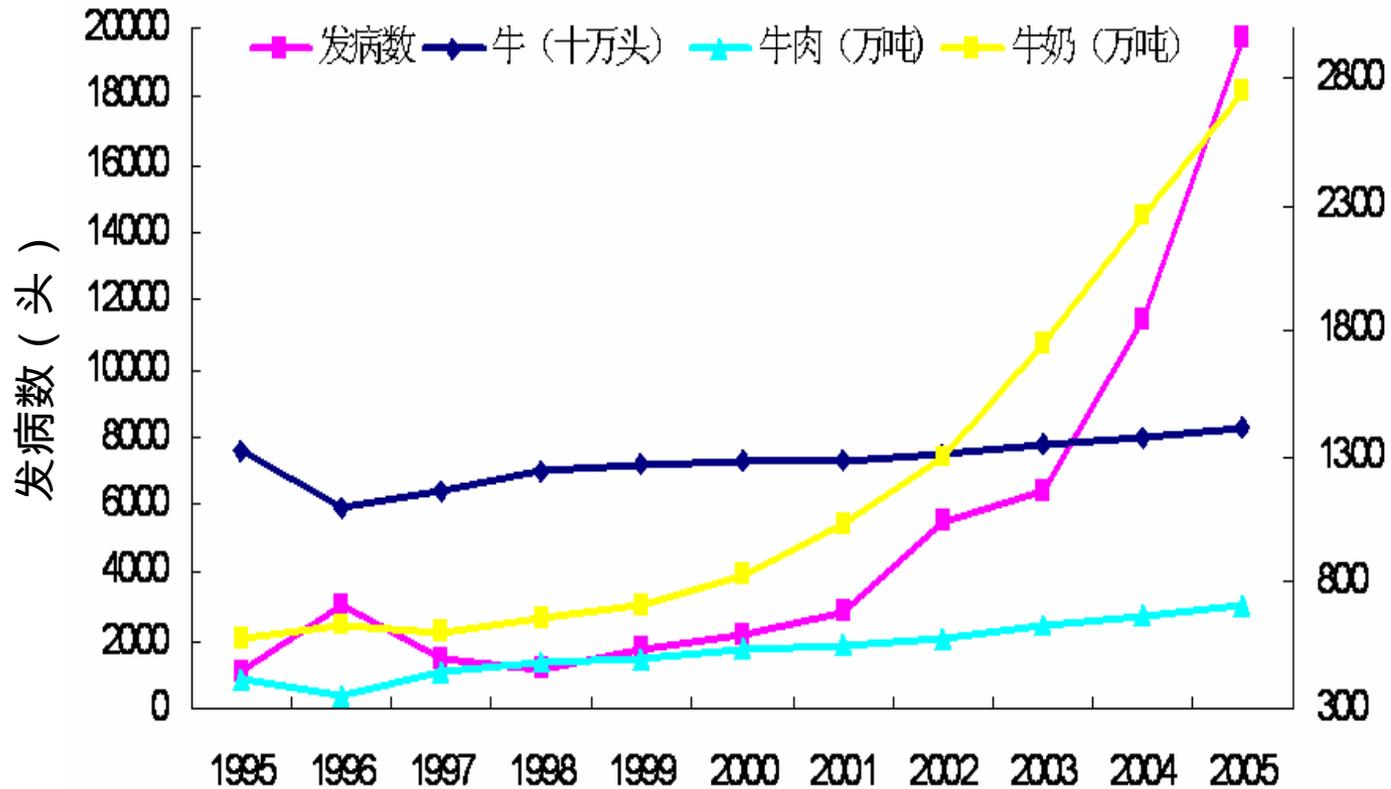
Epidemic trends of Brucellosis among Animals



Bovine Tuberculosis Trends



The Incidence Trends of Human Brucellosis



Related Comparison between Quantities of Bovine and their Products and Human brucellosis



Control and Prevention Measures

- **Principle: Control and Prevention by laws, Prevention is first, comprehensive prevention and control, According to local conditions and strengthen cooperation**
- **Immunization programs**
- **Monitoring plan**
- **Prevention and Control Technology Programs**



Brucellosis and Bovine tuberculosis

- **All culling of affected animals**
- **threatened herd (affected animals of the same group of animals) to implement the quarantine**
- **Bio-safety processing according to "Affected animals and animal products Bio-safety operation protocols" (GB 16548-2006)**
- **Affected animals, contaminated sites, equipment, goods strictly disinfected**



Brucellosis and TB

- **Smooth multi-sectoral cooperation among stakeholders**
- **Reasonable Funds**
- **Scientific and Practical plan for Control and Prevention**
- **Control and Prevention Measures must be put in place**
- **Comprehensive participation of farmers**



Ministry of Agriculture



Veterinary Bureau



CADC



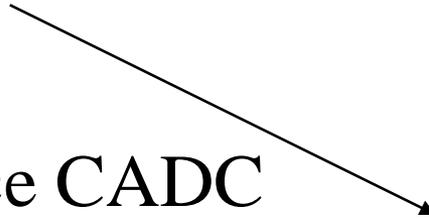
CAHEC



National Reference Lab



Province CADC



National Animal Disease Surveillance Station
&
Border Animal Disease Monitor Point



Prefecture, County, Town CADC



全国已有2 800多个县级动物防疫监督机构与国家动物疫情报网中心连接，确保实时传报动物疫情

图例:

▼ 边境站(146)

▼ 测报站(304)



World Veterinary Day 's (April 24, 2010)Activities in China





Dr. Christian Rondeau, General Director of French Veterinary Medical Association, Dr. Jacques Bombal, Present of French Alfort Veterinary Medical College, Mr. Vanquelee, Delegation of Agriculture French Embassy in China and Mr. Youling Gia, General Director of Chinese Veterinary Medical Association



One Health in China

- **Just Concept, no good Action or Example between Human Health and Veterinary**
- **Establishment of Good Coordination Framework among Ministry of Health, Ministry of Agriculture, Bureau of Forestry, Bureau of Environment**
- **Need to moving forward as soon as possible**

China Animal Disease Control Center



- **CADC was lead by Veterinary Bureau of Ministry of Agriculture, The People's Republic of China.**
- **Administration, Human resources, Financial department, Logistic department**
- **Emergency Management, Animal disease surveillance, Veterinary public health**
- **Animal Health supervise, Bio-safety lab management, Animal Identification and traceability**
- **Animal products safety and detection lab, Animal disease diagnosis Lab and Veterinarian vocational accreditation office.**

Major Responsibility



- 1. Assist veterinary administrative authority to draft laws, regulations, and policy suggestions.**
- 2. Assist to investigate severity criminal case on public animal health.**
- 3. Study and make up with propose about control and preventive plan, eradication, and emergency procedure on severity animal disease (including zoonosis); guide, supervise and put into effect to control, prevent and eradicate on severity animal disease all over the country under authority approved.**

Major Responsibility



- 4. Take charge of national animal disease outbreak, epidemiology, forecast, Alert and analysis; guide or direct to construct on national animal disease surveillance system; organize and carry out animal disease monitor, guide professional work which national and boundary animal disease sentry station or agency.**
- 5. Take charge of management and establishment of national animal disease preventive information system network, traceability, and emergency command platform or agency.**

Major Responsibility



- 6. Undertake and supervise national guideline on animal health, organize and implement quarantine on animal and animal products.**
- 7. Take charge of qualification and accreditation of highly pathogenic animal-origin etiology lab including related technique, condition examine and verify. Take charge of security, supervision, inspection of all national animal pathogen lab as well as coordination of diagnosis results or reports among bio-safety labs.**

Major Responsibility



- 8. Take charge of quality, safety, standard material preparation and criteria of animal and animal-origin products. Take charge of management of animal tags, traceability of animal and animal products.**
- 9. Take charge of management and registration of animal diagnosis agency or animal hospital, training and education of veterinary law enforcement officials and professional identification of veterinarian.**

Major Responsibility



- 10. Organize and develop technique research on animal disease, international cooperation and communication among other countries.**

Thank you!

