



# Rabies Prevention and Control Practice in Chongqing , China



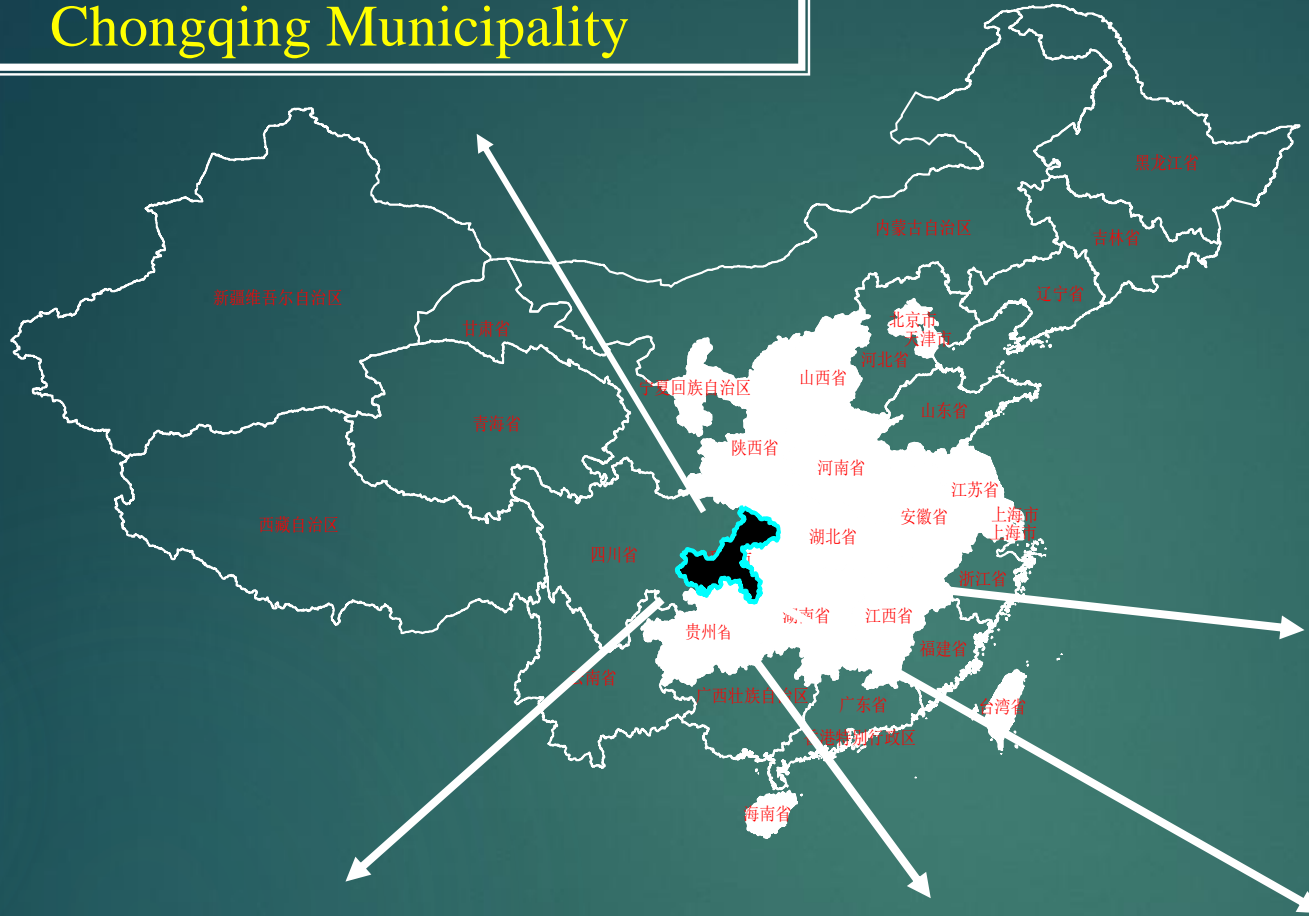
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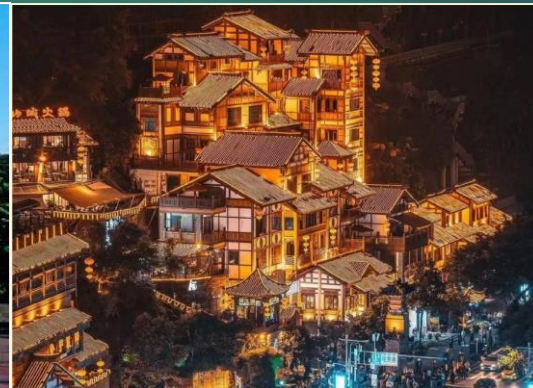
**November, 2023**



# Chongqing Municipality



Area: 84,000 km<sup>2</sup>  
 Counties and Districts: 40  
 Population: 32 M  
 Population of dogs: 1.3 M





## 1. Rabies situation in CQ in 2007

**The peak human cases occurring in 2007 when 175 people died of Rabies.**

- **Lack of well-trained expertise.**
- **Lack of multi-departments cooperation.**
- **Lack of data about dogs population and canine Rabies cases.**
- **No veterinary surveillance / quarantine.**
- **Questionnaires showed that 81% of the public know little about Rabies.**
- **92% of the vets never got PrEP, and 33.3% of the vets never got PEP when exposed to the risk.**



## Response and achievements

- **The municipal government introduced the Measure for Dog Administration in 2008.**
- **Virological and serological confirmation were carried out.**
- **Relatively accurate data were being collected .**
- **Encourage vaccination campaign and public awareness.**
- **Human rabies cases were decreased from 175 to 47 by 2012.**





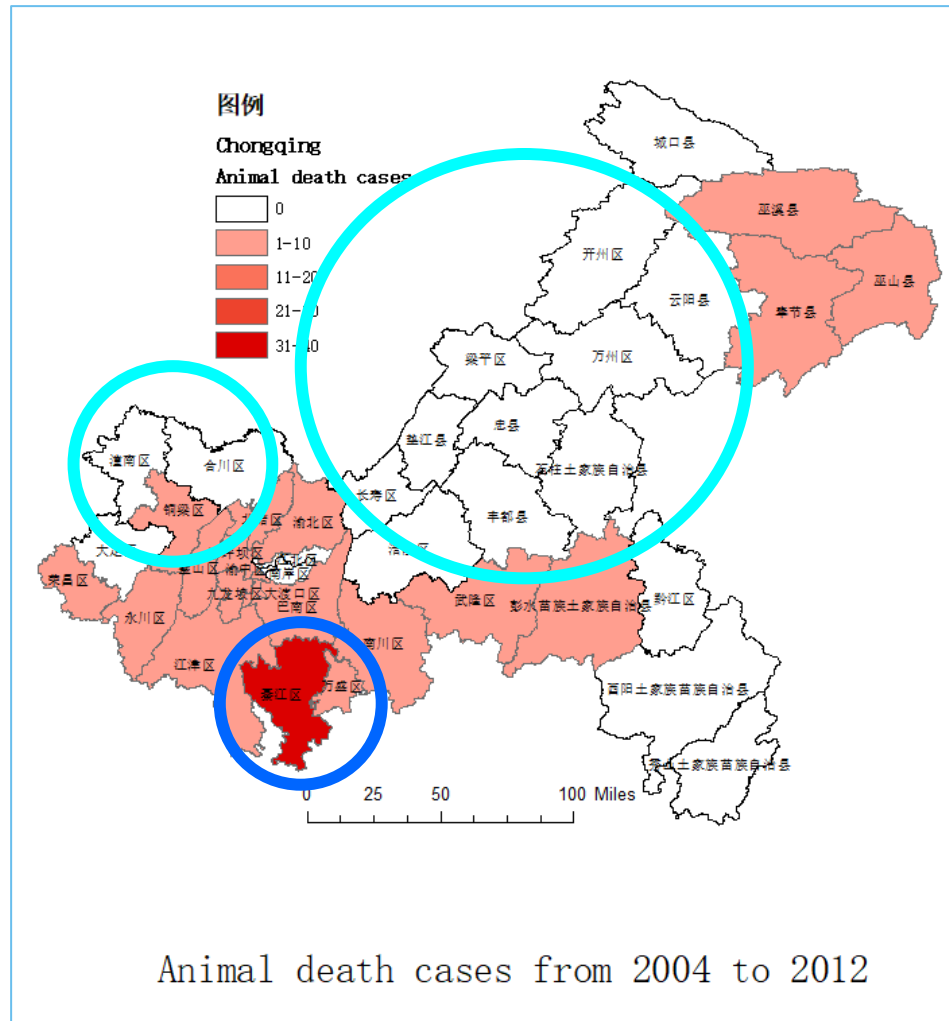
## New Problems were found in 2011 !

- About 8000 human bite or scratched cases got PEP /month ,  
Cost:  $\geq 7$  Million \$USD /year,
- Only 0.1 million \$USD are directly spent in prevention of canine rabies
- Positive rabies antibody rates of dogs were less than 40.00%.

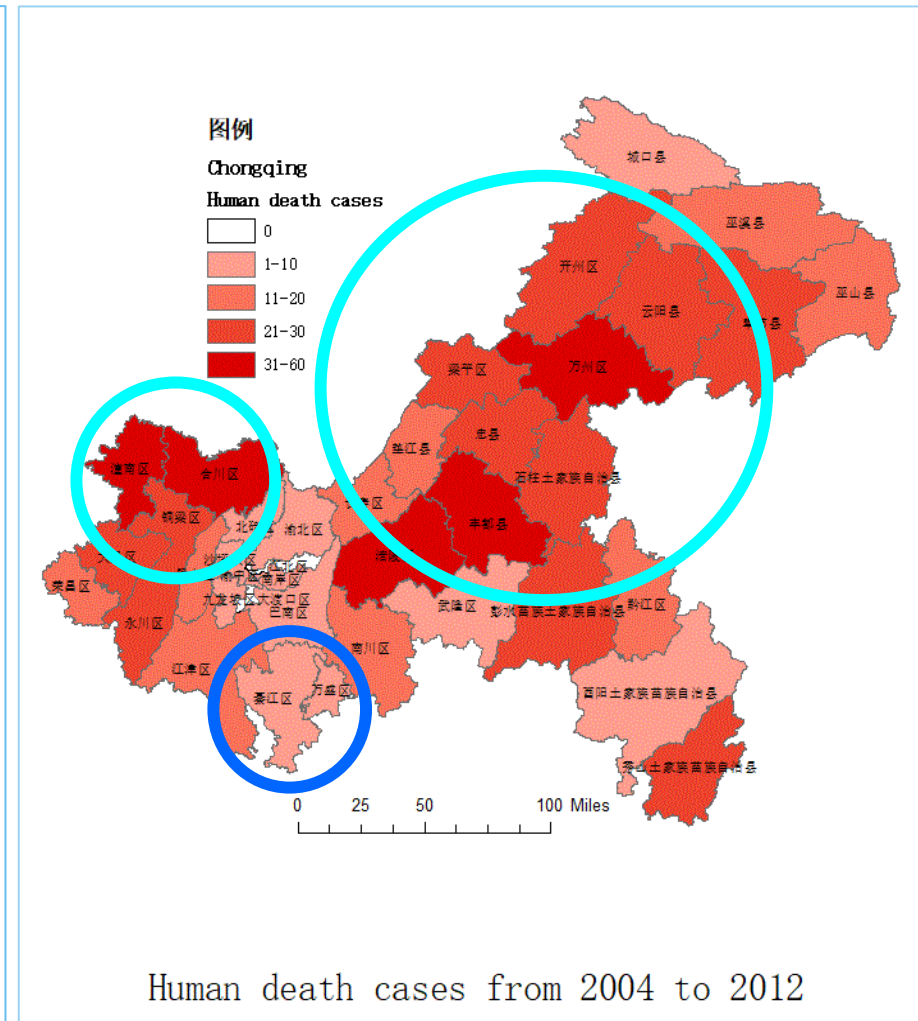


## The same county (2004-2012):

- Less animal cases, more human cases
- More animal cases, less human cases



Animal cases (left)



Human cases (right)



## New strategy

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- Set the goal to make rabies a priority zoonosis and achieve 0 human cases by 2020.
- 20 million \$USD was invested to improve the county-level veterinary labs capacity.
- Develop new *Act of dog breeding Administration* and new disease reporting system.
- Conduct massive technical training campaign for vets and public awareness campaign for policymakers, dog owners ,community personal, animal health industry and students.
- National funds were provided for compulsory free rabies vaccinations for all dogs.



## Technical Training



**brain sample collection for Lab-test of rabies**





## Public Awareness



**Deliver knowledge to primary school students**



**Compulsory free rabies vaccinations campaign for dogs in Chongqing in 2013**



## More stakeholders are involved in





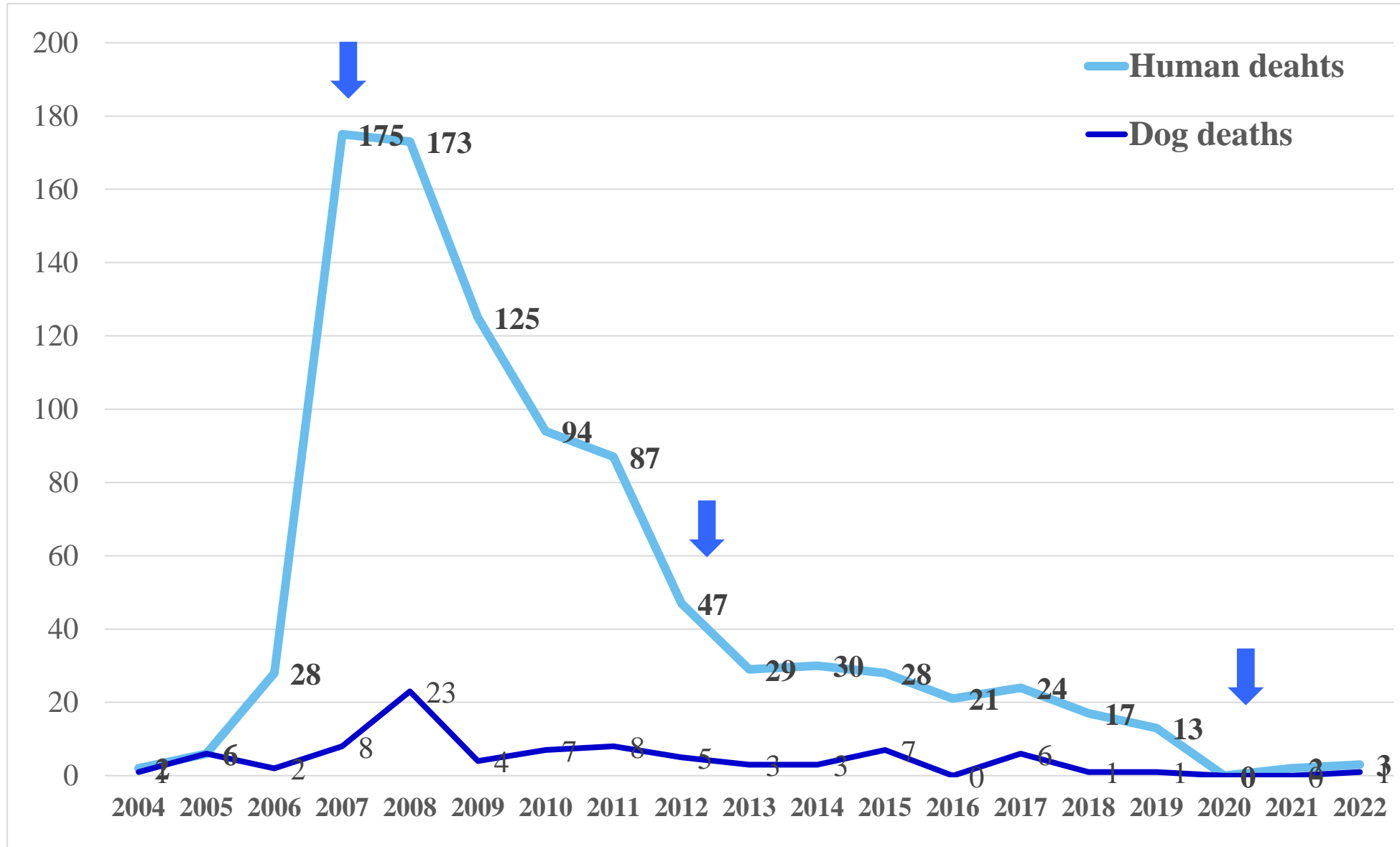
## 2. Rabies situation in CQ in 2020

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- **The positive rabies antibody rates of dogs increased to 81%.**
- **Zero rabies deaths cases in both humans and animals in 2020.**
- **More professional laboratories and professional technical experts.**
- **“Rabies Free County” schemes were piloted in 2 counties with a fund of 100,000 US\$/year.**
- **Multi-department cooperation were implemented at different level .**



No. of human rabies cases and canine cases from 2004 to 2022 (July)





### 3. Rabies prevention and control in the future

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**We move to the next plan:**

- **Increase legal enforcement to ensure sustainable control.**
- **Establish a dog network management system that integrates vaccination information and dog ID.**
- **Aims to achieve zero human deaths from dog-mediated rabies by 2030.**



## KEY LESSONS LEARNED

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- **Veterinary authorities need to communicate and advocate effectively with government leaders to get support.**
- ***One Health approach* is very important, transparency in reporting cases and proactive inter-sectoral collaboration should be encouraged.**
- **Experts should remind all the stakeholders that rabies eradication requires a long-term approach, goals should be pragmatic and legal support is essential.**



# Thank you !



Welcome to Chongqing, China.