



Bangladesh actions/progress on rabies diagnosis, prevention and control activities

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National Rabies Elimination Strategy 2010



**Elimination of rabies by
2022**

**National Rabies Strategic Plan Bangladesh-
[2024-2030] Costed**

**National Guideline on Integrated Bite Case
Management (IBCM), 2025 on OH aspect**

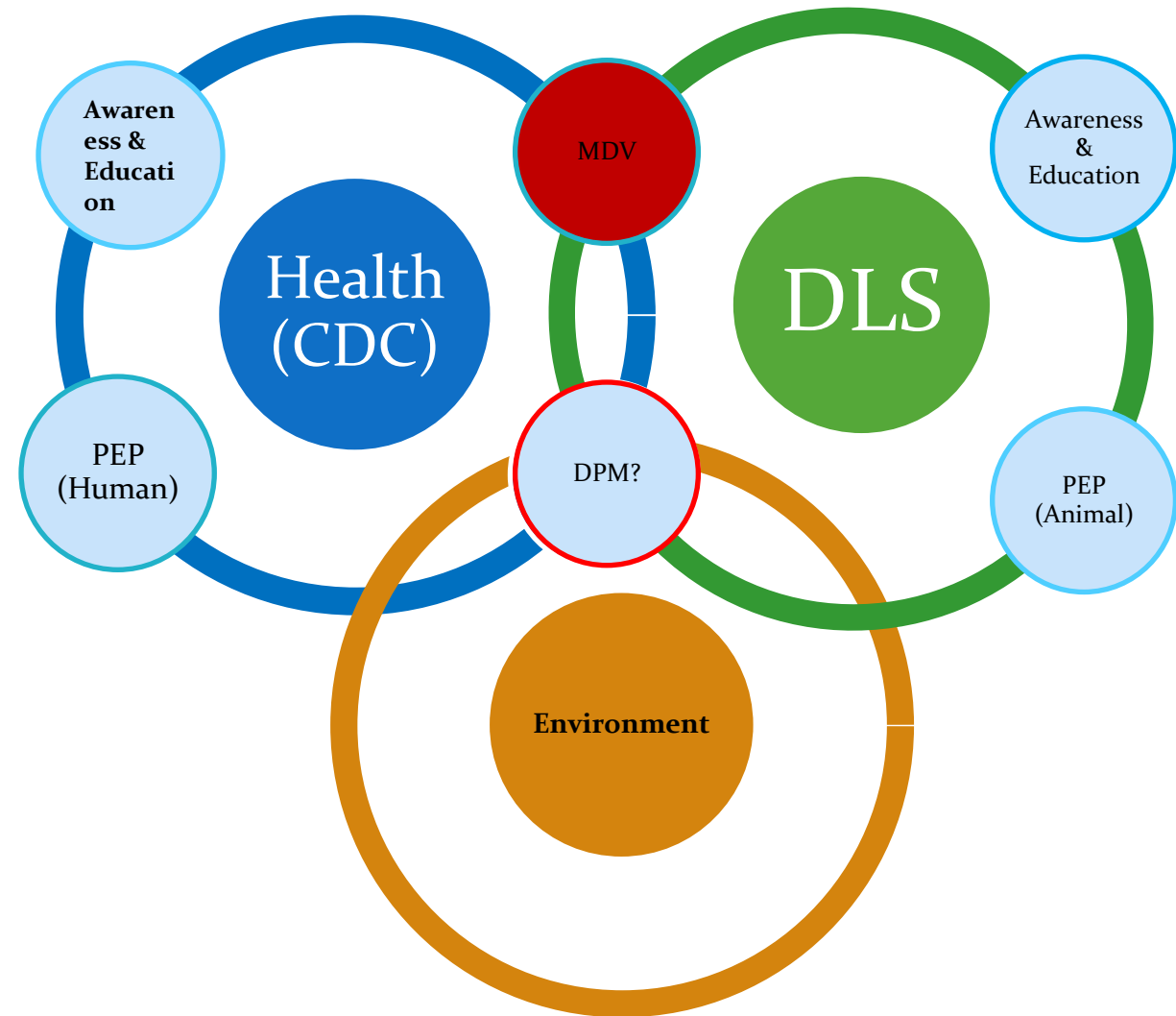


Strategic Activities

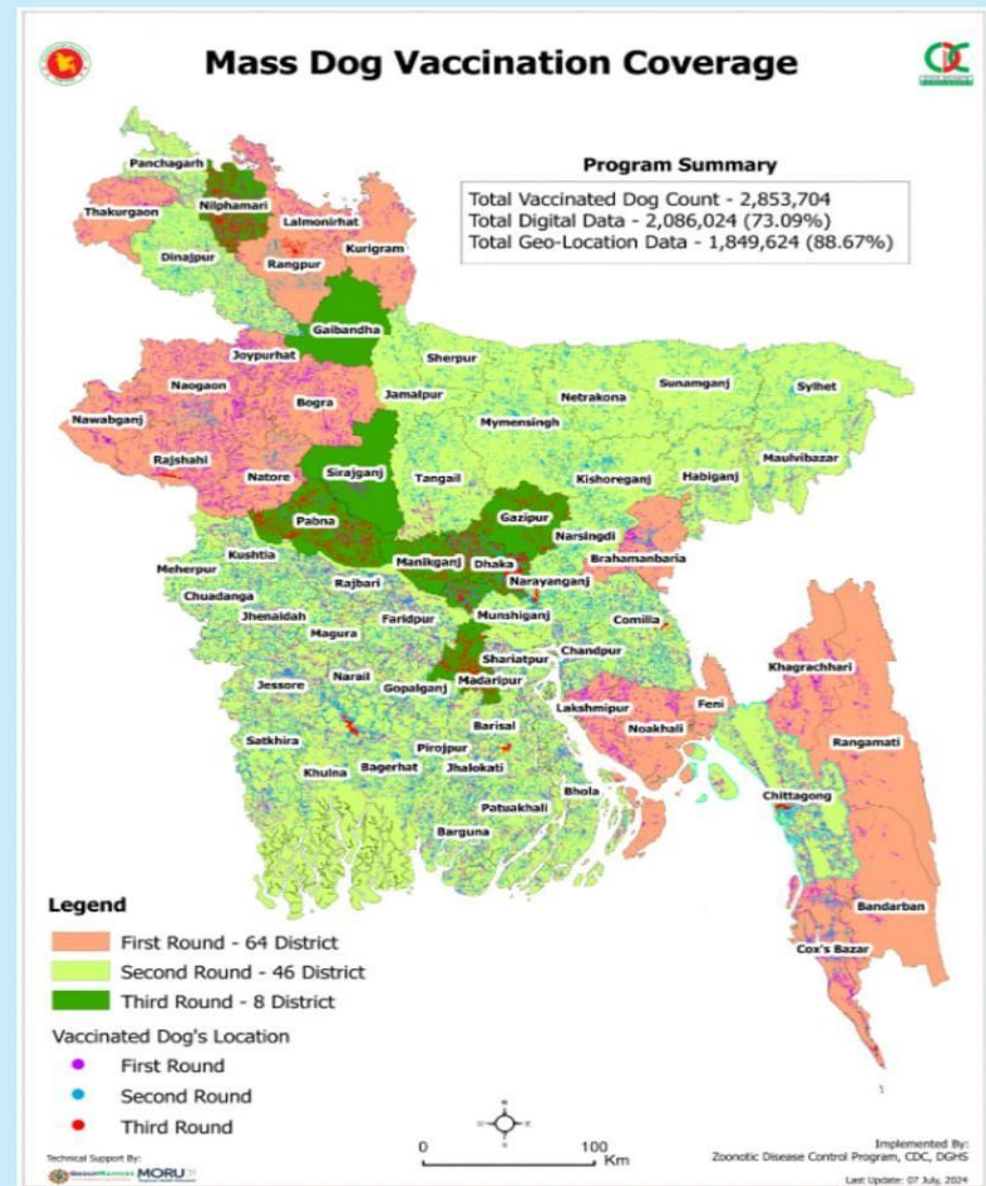
- Advocacy, Communication and Social Mobilization (ACSM)**
- Dog Bite Management (DBM)**
- Mass Dog Vaccination (MDV)**
- Rabies Surveillance and Research**
- Dog Population Management (DPM)**

Bangladesh Moving Forward- One Health Approach

- Health (CDC) adopted the National Strategic Plan (NSP) in 2010
- DLS strengthen diagnosis capacity and surveillance system (VPH & BAHIS)
- Environment (?)
- A pilot project on animal rabies control through vaccination and DPM is under process to be implemented in Dhaka citycorporations



DGHS initiatives: Mass Dog Vaccination (1, 2 and 3rd Round)



1st Round: 64 Districts; 82% Coverage; 1,379,465 Vaccinated

2nd Round: 45 Districts; 82% Coverage; 920,859 Vaccinated

3rd Round: 8 Districts; 83% Coverage; 202,255 Vaccinated



**ACT NOW: YOU, ME
COMMUNITY**



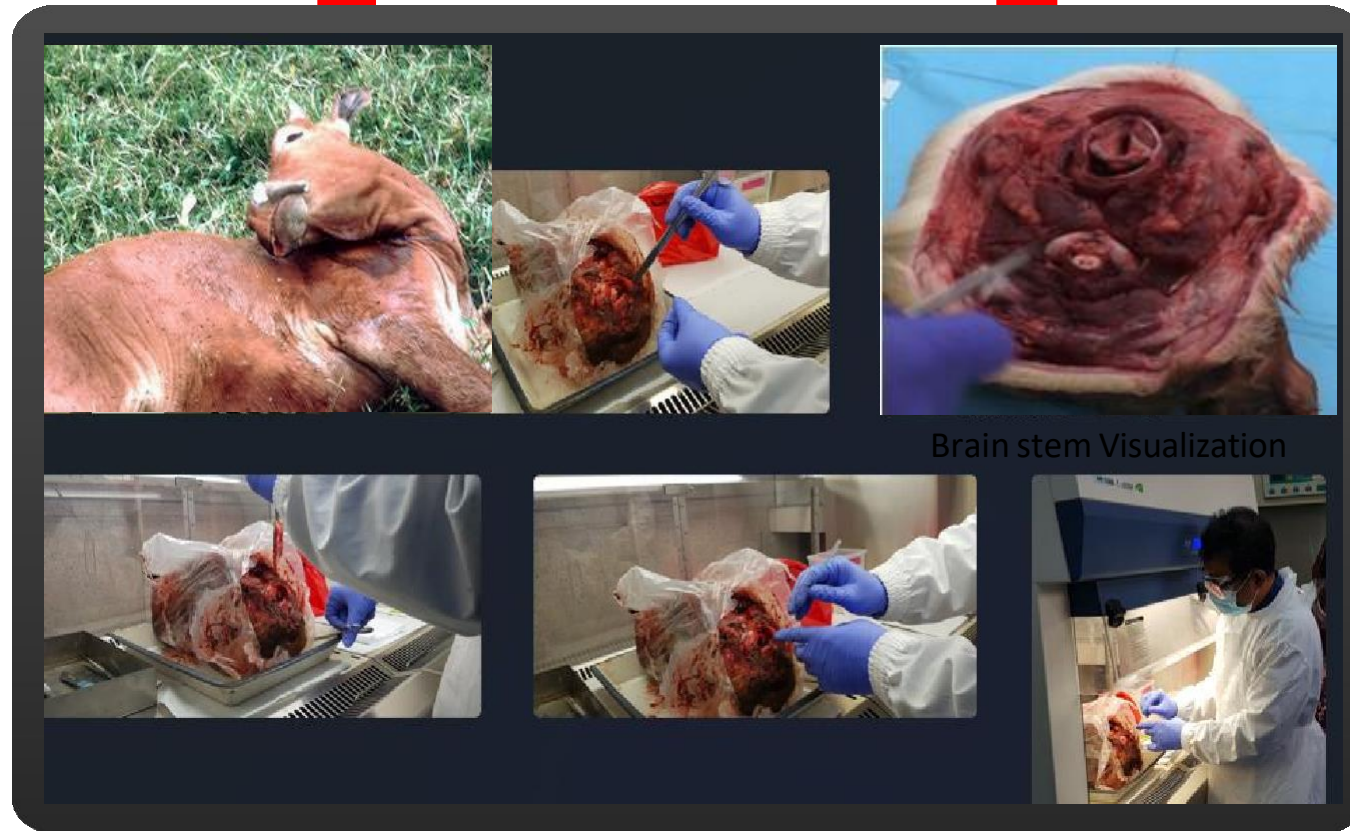
Celebration of World Rabies Day 2025



- Around 70,000 doses of rabies vaccines has been distributed across the country for vaccination by district and upazila livestock offices during WRD
- 4000 stray dogs vaccinated in Dhaka city during WRD

Laboratory Capacity for Rabies Diagnosis

- ❑ CDIL has advance level of competency for diagnosis of animal and human rabies samples
- ❑ CDIL started rabies diagnosis since 2019
- ❑ CDIL also tested approximately 200 human samples and confirmed 3 rabies positive cases
- ❑ CDIL used DFAT (direct Fluorescence Antibody Test) test as well as Conventional PCR and Real time RT-PCR.



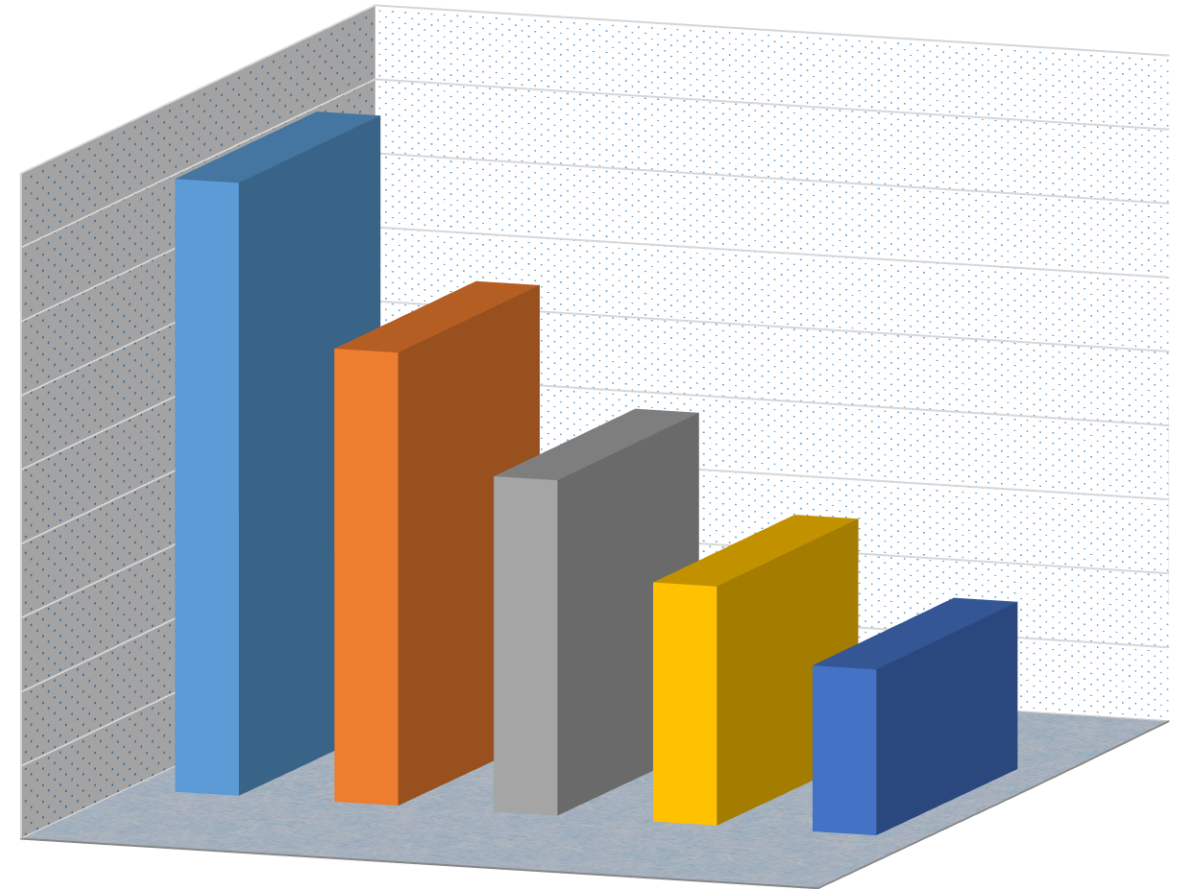
CDIL Rabies Diagnosis



Active Surveillance under HP:		
VP		
Number of samples tested	Positive samples	Positive %
866	557	64.32%

Year	Number of samples collected	Number of positive samples	Positive %
2020	83	73	87.95
2021	324	203	62.65
2022	470	278	59.14
2023	175	125	71.42
2024	20	05	25.00
2025	25	03 1 Cattle and 2 cat tested positive	12.00
Total	1097	687	53.02

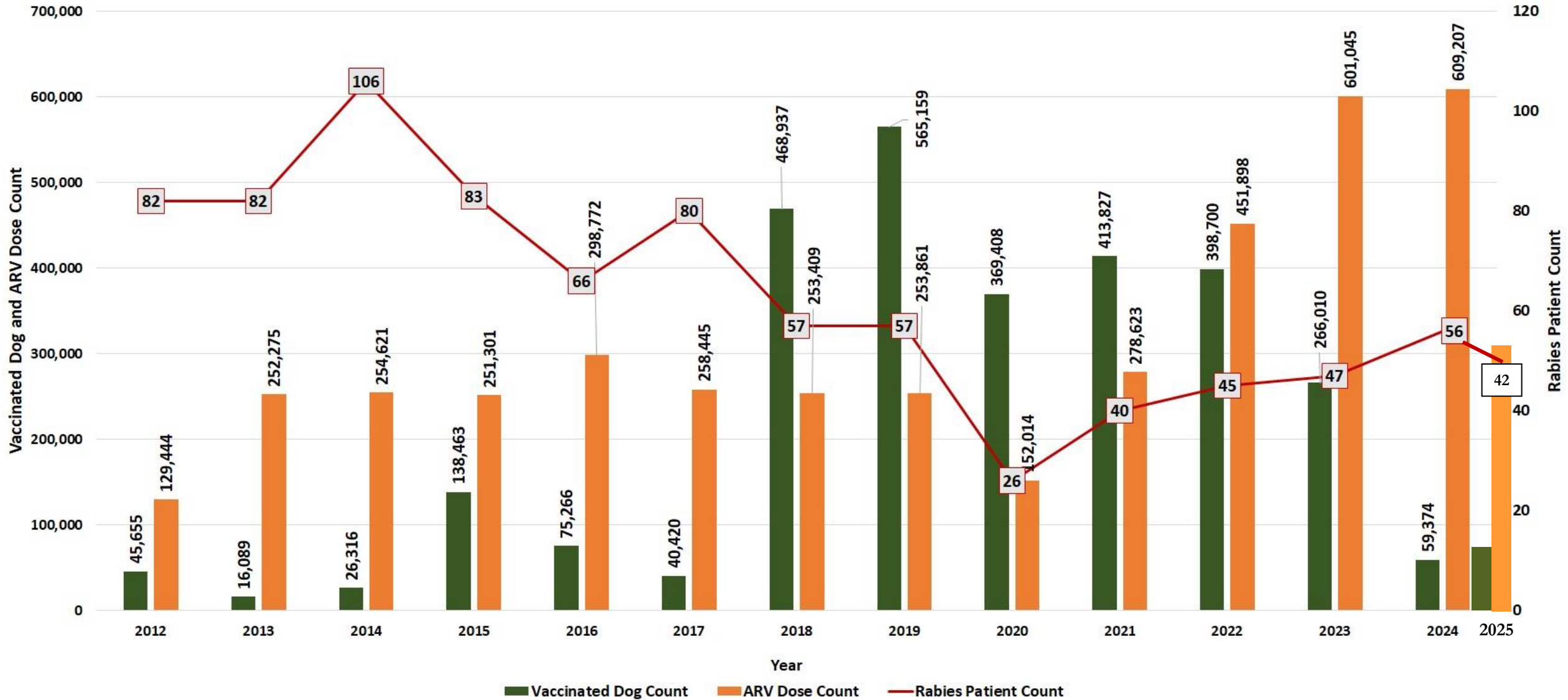
Reported Rabies cases in animals



	2020	2021	2022	2023	2024	2025
No. of Cases	4143	3065	2271	1623	1130	855

Reduction of Rabies Incidences through Dog Vaccination Alongside Humans in 2012-2024

Data Source: Zoonotic Disease Control Program, CDC, DGHS



Current Challenges



- ☐ MDV was conducted by Health Department under Operational Plan (OP), but now their OP has been cancelled
- ☐ Implementation of MDV now is a big challenge
- ☐ Animal Rabies vaccine production has been stopped due to lack of quality master seeds
- ☐ Lack of laboratory facility for human rabies diagnosis
- ☐ Lack of capacity for animal/human rabies diagnosis
- ☐ Limited enforcement of animal welfare act
- ☐ Lack of quality vaccine (human and animal) and immunoglobulin
- ☐ Lack of planned dog population management