Dog Population Management

Middle East, Eastern Europe, Central Asia and North Africa Rabies Expert Bureau meeting – 4th Edition

Pankaj KC
460,000 cases of reported dog bites in 2017

Exposure of 100 million+ individuals in the region to the risk of rabies and other dog mediated zoonotic disease

<NO BITE; NO RABIES>
Dogs are our allies in the fight against rabies; they are the soldiers in our fight against rabies.
Dog Population Dynamics

Sources of owned dogs (also adopted direct from the street)

Sub-populations of owned and roaming dogs

Reproductive success; Birth → Recruitment ← Death

Owned dogs

Owned

Owned confined

Confined/Well resourced

Roaming

Owned roaming

Adopted

Abandoned

Community owned

Community responsible

Community disengaged

Unowned

Purchased / Gift

Purchased

Purchased

Pet shops / markets

Adopted

Relinquished

Shelter

Slide credit: Dr. Elly Hiby, ICAM
Stray dogs ??
Components of a dog management programme

- Education
- Primary dog healthcare
  - Reproduction control
  - Vaccination and parasite control
- Euthanasia
- Identification and registration
- Controlling access to resources
- Legislation
- Holding facilities and rehoming centres
Primary focus

Dog Population Management

- Responsible Pet Ownership
- Education
- Primary Health Care
Animals in Communities

Focus on improving welfare of dogs and communities globally

Rabies elimination through dog population management to improve welfare of dogs and communities
Brazil
Projects on Dog bite prevention and DPM courses
Project “5 key messages to prevent dog bites”
"5 key messages"

Initiative started in 2014 with partnership – World Animal Protection, GARC and PAHO/WHO

OBJECTIVE: Educate the most vulnerable population to recognize the signs and situations that can lead to a dog biting and teach how to prevent them.

IMPACT: <incidence of canine bites <risk of transmission of rabies.

Indirect impact - > RPO ,> vaccination and improve DPM,

TARGET PUBLIC: children and adolescents (4 to 12 years)
5 keys – kit of pedagogical materials to teach dog language
Guidelines for teachers

Atividades sugeridas

- Peça às crianças que dramatizem uma mordida e os passos que devem seguir depois (podem se usar fantasias, no caso de crianças menores).
- As crianças mais novas podem criar um anúncio de rádio sobre a prevenção da raiva.

Pedra

Essa posição é adotada se a criança cai no chão. Deve proteger o rosto e a barriga e permanecer imóvel em posição fetal, como uma pedra. Quando o cão tiver perdido o interesse, a criança pode se afastar lentamente e em silêncio.

Como ensinar as posições?

- Realize as posturas com seus alunos seguindo o exemplo dos desenhos.
- Em grupos pequenos, peça a uma criança que atue como cão e persiga as crianças que correm ou gritam, ignorando aquelas que adotam a posição de tronco ou de pedra. Quando o jogo termina, recale novamente as posturas.
5 chaves para prevenir mordidas de cães

Não é importante as mordidas, principalmente quando estão com raiva quando ou estiverem

- Tratamento nas áreas de próximo com mais
  Eles são bem treinados, quando também devem ou

Afaste-se do cão quando está

- Quando fizer brincar, mantenha as distâncias.
  Quando não está, mantenha as mãos sob a tenê-la luva.

Não se move se a mãe aproximar

- Fique quieto como o boi e fraques com uma mordaça.
  Se ele, penetre-se como uma pedra.

Aproxime-se do cão com cuidado

- Peço permitem ao meio-dia ou em seus
  Pode estar ao longo de distância e, quando o

Se encontro o cão, leva bem o terço

- Sempre de informar os meus quase, você vai
  A mordida de cão pode ser fatal. Não e muito, muitos os mal.
  Também nunca que todos os cães devem ser treinados com o resto todos os anos.
5 key video (Stop motion):

https://www.youtube.com/watch?v=pG_sPV3Ge_4

5 chaves para evitar mordidas de cães: RESPEITO

Proteção Animal Mundial

Inscrito 3.429

3.925

Adicionar a Compartilhar Mais
5 tips to prevent dog bites

1. Don't approach or trigger me, particularly when I am eating or sleeping.
2. Speak softly and gently when you approach me.
3. Approach me softly and quietly.
4. Approach me slowly and steadily.
5. If a dog bites you, call for help. Wash the wound with soap and water and look for any signs of infection.

1. Aprenda a prevenir mordeduras de cachorro.
2. Mantenha distância quando eu estou comendo ou dormindo.
3. Aborde-me com cuidado e gentilmente.
4. Aborde-me com calma e paciência.
5. Se eu morder, procure auxílio e limpe a ferida com água e sabão.

Baseado no material "5 CHAVES para prevenir mordidas de cachorro"
In 2017 - partnership with Environmental Secretary of São Paulo

✔ For the first time, the São Paulo government introduced the issue of DPM and dog bite prevention as essential tool for the development of the cities.

✔ Invitation to training government members in these issues

✔ We have trained more than 44 municipalities and more than 550 gov. members.
1º Cicle of trainings - WAP - Environmental secretary

Municipalities attended:

1. Guararema
2. Salto
3. Cabreúva
4. Itupeva
5. Vinhedo
6. Jacareí
7. Jambeiro
8. Cunha
9. Guaratinguetá
10. Jaguariúna
11. Porto Ferreira
12. Pirassununga
13. Descalvado
14. Santa Cruz das Palmeiras
15. Sta. Rita do Passa Quatro
16. Aguas da Prata
17. Cassia dos Coqueiros
18. Cordeirópolis
19. Cristais Paulista
20. Itatinga
21. Macatuba
22. Espírito Santo do Turvo
23. Matão
24. Novo horizonte
25. Paraíso
26. Embaúba
27. Cajobi
28. Severina
29. Olímpia
30. Novaes
31. Monte Azul
32. Marapoama
33. Mauá
34. Ribeirão Pires
35. Mendonça
36. Pindorama
37. Itajobi
38. Santa Adélia
39. Araras
40. Bertioga
Guararema - SP

Salto - SP

Embaúba - SP

Queluz - SP
What is our proposal for the municipalities?

- Agreements with the Secretariat of Environment - Health and Education - to identify areas that are more vulnerable and that have a greater number of dog bites (SINAN)

- Work 5 keys messages in the schools of these regions.

- Measure number of bites - zero moment - 6 months - 1 year and check if there is a decrease in the number of dog bites.

- Validate the pedagogical method and expand to other
1st on line course of DPM

- Oct 2017 - we launched the 1st edition of online course on “Humane & Sustainable Dog population management” in partnership with University of Paraná.

- We received more than 800 pre-registrations and 200 students concluded the course after 2 months in Moodle platform.

- We are launching the 2nd edition in May 2018.
World Rabies day - Brazil
Status of Dog population in Africa

- Africa has a fast growing population of over 1 billion people and where there are people there are dogs. Approximately 10 million dogs.

- Due to competing economic and social needs there is a perceived lack of African governments willingness to prioritize rabies and dog population issues.

- In Africa most people are resource constrained therefore dogs rank low in order of priority – free roaming, unvaccinated, poor husbandry (welfare).
What we know

We know:

• dogs are inhumanely killed as a measure to control rabies
• thousands of lives continue to be lost to rabies
• productivity potential of communities and countries affected are seriously undermined
• many governments from across the continent are yet to prioritise rabies elimination among existing competing interests, and
• that change needs to happen
Our Approach

• For effective and sustainable elimination of rabies:
  ➢ A holistic approach is needed
  ➢ An approach that is **aimed at improving the welfare of dogs and creating an environment for harmonious co-existence**

• To date, we have worked with partners to further this holistic approach in Zanzibar, Southern Tanzania, Kenya and Sierra Leone.

• Through our ongoing partnership with GARC, we are also hoping to have this approach also adopted in other countries where we work.
Rationale for DPM

• The main concern for Africa is zoonotic transmission of rabies from dogs to humans & livestock leading to loss of lives & livelihoods

• The usual response is to cull dog populations
  - Expensive, Inhumane, Ineffective (problem returns almost immediately – Scientifically proven)

• Mass vaccination has instead been proven to be the best solution for the elimination of dog mediated rabies
Change in current paradigms

- Breaking the belief that mass culling controls rabies
- Accepting that rabies control should be a free public good
- Aim to catalyze long term behavior change
- Develop sustainable solutions

Dog Population Management and Rabies Control
Kenya

- Supported to the development of a national rabies elimination strategy - 2014

- Work in collaboration with the National One Health Office (ZDU) in operationalizing the strategy nation wide.

- Worked with Dogs in Makueni, Baringo, Mombasa

- Collaboration with Makueni County government (pilot county), ‘Dollar for dollar’ financial partnering (Approx. $70-120,000 per annum total)

- First round mass vaccination trial: - Over 89,000 dogs vaccinated and basic health care (60,000 vaccines us , 30,000 Makueni County)

Dog Population Management and Rabies Control laws
Started training teachers, education officers and livestock extension officers as TOTs in rabies and dog welfare aimed at pupils and farmers

Working with County governments to create AW – By Laws

Working with National Government on the animal welfare act and National regulations for companion animals.
Sierra Leone

- Establishment of a national animal welfare, livestock and rabies control taskforce.
- Finalization of draft animal welfare and Livestock Act at Attorney General’s office – allows humane DPM with jurisdiction.
- National Rabies elimination and DPM strategy was launched in 2017.
- Capacity building of Freetown City Council to undertake pilot project in Freetown. Staff & Infrastructure
- Ownership by Ministry of Health and Ministry of Agriculture, Forestry and Food Security
- Collaboration with national WHO, FAO offices, GARC and other NGO’s

- Results following DPM efforts in Zanzibar between 2008 and 2014 the center point was Responsible dog ownership and dog welfare:

- Zanzibar is 99% Muslim so it was vital to work with the Imams to greater understand the context of teaching of dogs – rabies (scriptural and historical) and AW within the Koran.

- 65% decrease in dog bite incidences . 100% decrease in human rabies deaths

- Last death was a child registered in November 2013

- 0 cases of confirmed or suspected rabies in dogs as at December 2013. (Please note there was a surveillance gap)

- 2016 - 5 new cases of rabies (due to improved, working surveillance system – GARC).
Engagement at Regional level

- For sustainable impact to be achieved the competent country authorities need to prioritise rabies elimination and resource the activities appropriately through both a national and regional strategies and plans that sovereign countries have signed up to.

- In Africa Regional plans ideally achieved through institutions mandated to set these up, we are currently working and lobbying with:
  - African Union InterAfrican Bureau for Animal Resources (AU-IBAR)
  - Regional Economic Communities (RECs)

- Launched in 2017 - the Africa Animal Welfare Strategy (AAWS) and the Africa Platform for Animal Welfare (APAW)

- We are working through the PARACON network to help reach a wider number of nations
Costa Rica

• In May of 2017, the Costa Rican government approved a new dog protection programme we advised and advocated for, that's based on our approach on dog population management (DPM). This could potentially help the lives of an estimated 1,050,000 dogs.

• This project is creating local capacity within 7 municipalities to implement local level DPM projects. These projects must include measures to increase responsible pet ownership, control dog and cat reproduction, identification and animal registration, as well as implementing measures to deal with animal abuse claims.

• These 7 municipalities form part of the pilot project which will later will be rolled out onto the entire country. World Animal Protection’s role as advisor and trainer has been key in the development of this.
1. With a top-ranking **dog population of 130 million**, plus a growing market for **pet dogs of 50 million**, China is becoming one of the most important targets for dog welfare.

2. China has been on a crossroad in the recent years, trying to figure out its position on animal welfare. **Dogs sit on the top of the problem list**, due to rabies and their close relationship with human families.

3. China reported the second largest number of rabies infection incidences, while India ranked the highest. The Ministry of Agriculture of the People’s Republic of China launched **National Rabies Prevention Action (2017-2020)** and set prevention as the main policy to gradually exterminate rabies by scientific and legal method.
Background in China

4. Our **Red Collar project** in China was delivered from 2013 to 2015, in three remoted areas. CADC issued a summary report in 2016, said that ‘the three-year pilot experience has proved dog vaccination is the most effective approach to prevent rabies’.
Dogs move – they don’t need passport

Inter-government collaboration

- SAARC, AU, ASEAN, PAHO

Intra-government collaboration

- Inter-ministerial collaboration
- Multi-sector collaboration

Multi-sector collaboration – global, regional and national level including private sector
Other assets....

Dog capture and handling training video – World Animal Protection and FAO collaboration
Red collar campaign evaluation

Qualitative Evaluation of the Five-Year ‘Red Collar’ Campaign to End Inhumane Culling of Dogs as a Method of Rabies Control

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Abstract

Dog-mediated human rabies can be eliminated through mass dog vaccination. Despite leading authorities in human and animal health uniting to advance effective and humane rabies control, some governments resort to lethal methods, which are unethical, often inhumane and ineffective. To end the inhumane culling of dogs in response to rabies, World Animal Protection launched ‘Red Collar’, a five-year campaign (2011–2016) that worked with governments to promote the implementation of mass dog vaccination for rabies control. We present the findings from a qualitative evaluation of ‘Red Collar’ conducted both nationally and with national
Mobile App to promote Responsible Ownership in Latin America
Key points

- ‘Stray dog control’ - misleading
- Culling DOESN’T WORK
- Follow THE PROCESS

- Identify priority problems
- Initial assessment to expose states and processes of dog population dynamics
- Design the intervention
- Activities respect animal welfare
- Monitor indicators
- Evaluate data and adaptively manage
THANK YOU
For more information visit *Animals in Communities* on the *World Animal Protection* website

www.worldanimalprotection.org

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