Eduardo Pacheco de Caldas

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Local Government and Municipalities: Motivating Communities
Session 6 : The Global Campaign For Rabies Elimination
South America and the Caribbean*

“The dog rabies control is executed by the Health Sector, except in Haiti.”

Brazil

1973
National Program of Rabies Control
In capital and metropolitan regions

1982
1\textsuperscript{th} Vaccination Campaigns Against Animal Rabies
All country
Brazil

Local Government and Municipalities: Motivating Communities

Regions: 05
Federated Unit: 27
Cities: 5,571
Area: 8.5 millions Km2

204 millions of people
32 millions of dogs*

=SUS=
= Unified Health System - Brazil=

Universality    Equity    Integrality

*estimated

the time is now!
Unified Health System - Brazil
Local Government and Municipalities: Motivating Communities

Annual Vaccination Campaign Against Rabies

- Regulation
- Vaccines Acquisition – cell culture
- Vaccines distribution to the states
- Financial contribution and resource transfer
- Impact evaluation - NPRC

- Coordinate the Rabies Campaign
- Monitoring and evaluation
- Vaccines distribution to cities
- Financial contribution

- Execute the Rabies Vaccination
- Execute focus block
- Financial contribution
- Performance evaluation

Guidelines and Inputs

Execution

the time is now!
National Program for Rabies Control-NPRC

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- 14,4 millions US $
  - Control of rabies in dogs
- 16,5 millions US $
  - Human immunobiologicals (serum and vaccine)
- 100,000 US $
  - Biopterina- treatment
- 32 million US $
  - Investment
- 578,398 People*
  - Health care (annual)

*Annual average for the period: 2010-2015.

Health Surveillance Secretaria / Ministry of Health
<table>
<thead>
<tr>
<th>Canine Rabies Vaccines</th>
<th>Human Rabies Vaccines (VERO and Chicken embryo)</th>
<th>Human Rabies Immunoglobulin</th>
<th>Heterologous Rabies Antiserum</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 million doses</td>
<td>2.5 million doses</td>
<td>70 thousand flasks</td>
<td>246 thousand flasks</td>
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</tbody>
</table>

**National Program for Rabies Control-NPRC**

*Local Government and Municipalities: Motivating Communities*

**Free Procedures**

[Logo of Ministry of Health and BRASIL]
Canine Rabies

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Cases

Incidence per 10,000 animals

Source: MoH/Brazil
Data: until 2015/09

Cases

Incidence


division


Source: MoH/Brazil
Data: until 2015/09
Community mobilization is the responsibility of local governments.
Brazil – Rabies in wild canids

Rabies in wild canids, Brazil. 2002-2015*

Cerdocyon thous

Source: SVS / MS. *Until Nov/2015
Brazil – Rabies in Non Human Primates

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Rabies Non Human Primates. Brazil, in 2002 and 2015 *

*Cebus* sp. (n=01)

Author: Jaime González

Callithrix jacchus. (n=65)

Author: Michael Gäbler

Source: SVS / MS. *Until Nov/2015*
Brazil – Human Rabies

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Human rabies by animal species transmission, 1986 -2015*

BRAZIL (2008-2013) was 28% (10/36) of the total reported cases of human rabies transmitted by dogs in Latin America. (SIRVERA / PAHO, 2013)

Note Brazil: 90% (9/10) reported state of Maranhão

Source: SVS / MS. *Until Nov/2015
Challenges:

Human rabies transmitted by dogs and cats with the virus originates from bats

Human rabies originating from foxes

Human rabies transmitted by dogs with virus originating foxes

Human rabies transmitted by monkeys (Callithrix jaccus)
Thank you

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