LINKING COUNTRY REPORTING TO THE GLOBAL LEVEL

Driving progress towards rabies elimination
Johannesburg, 12-14 September 2018

L.Knopf, B.Abe-Abela-Ridder
Neglected Zoonotic Diseases
Department of the Control of NTDs
WHO Headquarters, Switzerland
Data informs programmes and builds Advocacy!
Rabies data is key to measure progress
‘Zero by 30’
JEE mission reports with rabies
NTD master plan
Reporting of Data to WHO and OIE

*WHO is developing a platform that will allow countries to automatically upload aggregate national data on an annual basis.

RABIES INDICATORS
in humans and animals
Number of human rabies cases reported
total number, clinical or lab diagnosis (count)

Disaggregation:

- Gender (male, female, unknown)
- Age in years (<5, 5-14, ≥15, unknown)
- Source of exposure (dog, other animal, bat, unknown)
- Diagnosis (clinical, laboratory, unknown)
Number of animal bite cases reported
Humans bitten by warm-blooded animals (count)

Disaggregation:

- Gender (male, female, unknown)
- Age in years (<5, 5-14, ≥15, unknown)
- Animal species (dog, cat, bat, wildlife, livestock, unknown)
- WHO wound category (I, II, III, unknown)
Number of people who receive PEP
PEP involves wound care and ≥ 1 dose of vaccine (count)

Disaggregation:

- Gender (male, female, unknown)
- Age in years (<5, 5-14, ≥15, unknown)
- WHO wound category (II, III, unknown)

Limitation:
patients who attend different health facilities (double count)
Number of dog rabies cases reported

total number, clinical or lab diagnosis (count)

Disaggregation:

• Diagnosis (clinical, laboratory, unknown)
Number of rabies cases reported in animals other than dogs

**total number, clinical or laboratory diagnosis** (count)

**Disaggregation:**

- Animal species (cat, bat, wildlife, livestock, unknown)
- Diagnosis (clinical, laboratory, unknown)
Estimated dog population

evidence-based estimate of (national) dog population; or a proxy is the human:dog ratio if known (count)

Disaggregation:

• Ownership status (owned, unowned, unknown)

% of dogs that received rabies vaccine

evidence-based estimate of dog vaccination coverage in the country (percentage)

Disaggregation:

• Ownership status (owned, unowned, unknown)
HOW TO REPORT DATA

Linking country reporting to the global level
Rabies data collection and reporting

**Frequency:** yearly (end March)

1. **Identify** and share national focal point responsible for rabies data collection
2. A log-in will be provided
3. **Collate** national annual data on key indicators
4. **Validate** rabies data through rabies focal point at MoH
5. **Submit data** to WHO-HQ
Reporting of Data to WHO and OIE

WHO is developing a platform that will allow countries to automatically upload aggregate national data on an annual basis.

## Data entry: Using Excel

### Human rabies

<table>
<thead>
<tr>
<th>Year</th>
<th>Human rabies</th>
<th>Bite cases in humans</th>
<th>Post-exposure prophylaxis (PEP)**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td># of human rabies cases*</td>
<td># of dog bites</td>
<td># of bites by other animals †</td>
</tr>
<tr>
<td></td>
<td>Cat. II</td>
<td>Cat. III</td>
<td>Cat. unknown</td>
</tr>
<tr>
<td>2016</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Animal rabies

<table>
<thead>
<tr>
<th>Animal Rabies</th>
<th>Dog population</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td># of rabies cases in dogs</td>
<td># of rabies cases in other animals †</td>
<td># of dogs in country</td>
</tr>
</tbody>
</table>
Data entry: using DHIS2

### ANIMAL RABIES REPORTING

#### Dog population:

<table>
<thead>
<tr>
<th>Estimated dog population</th>
<th>Unowned</th>
<th>Owned</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>17626</td>
<td></td>
<td></td>
<td>17626</td>
</tr>
</tbody>
</table>

#### Human : Dog Ratio

<table>
<thead>
<tr>
<th>Human</th>
<th>Dog</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Dog vaccination coverage:

<table>
<thead>
<tr>
<th>Number of dogs vaccinated against rabies</th>
<th>Unowned</th>
<th>Owned</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>29208</td>
<td>2746</td>
<td>28852</td>
<td></td>
</tr>
</tbody>
</table>

#### Rabies cases reported in animals:

<table>
<thead>
<tr>
<th>Number of rabies cases, by animal and diagnosis type</th>
<th>Dog</th>
<th>Cat</th>
<th>Bat</th>
<th>Livestock</th>
<th>Wildlife</th>
<th>Unknown Animal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinically diagnosed</td>
<td>545</td>
<td>7</td>
<td></td>
<td>15</td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>Lab diagnosed</td>
<td>5</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unknown diagnosis</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
WHO Integrated Data Platform

How it looks like!
Current stage, planned steps:

- **Harmonized** key indicators to avoid duplication
- **Interface** with other reporting platforms – automatic transfer (OIE-WAHIS, Global Health Observatory, SIRVERA, etc)
- **Launch** of the Rabies Module of the WHO Integrated Data Platform
Reporting of Data to WHO and OIE

WHO is developing a platform that will allow countries to automatically upload aggregate national data on an annual basis.

Global Health Observatory (GHO): http://www.who.int/gho/en/