**Survey on Snake Antivenoms: Epidemiology, Access, and the Implementation of WHO Guidelines**

### Your Contact Details

Name of the National Health Authority  

Country  

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<th>Contact Details</th>
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| Name            | __________________________________________  
| Position        | __________________________________________  
| E-mail          | __________________________________________  
| Telephone       | __________________________________________  
| Website         | __________________________________________  

Please fill out the survey electronically, or print it and send us a scan.
### Epidemiology

1. Are snakebite envenomings considered to be a priority health issue in your country? Please rate below.
   - Low priority
   - High priority

2. What is the most recent data regarding incidence and mortality of snakebites in your country?
   - N/A
   - Incidence __________________________
   - Mortality __________________________

3. Are health workers in your country specifically trained about snakebites?
   - Yes
   - No

   If **yes**, what topics relating to snakebites are the health workers trained in? Please list:

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4. Are health workers required to report snakebites to health authorities in your country?
   - Yes
   - No

   If **not**, skip to question 5

   If **yes**, is there a **central** register where all cases of snakebite are recorded?
   - Yes
   - No
If yes, which data is sent to the central register? *(e.g. patient information, snake species, symptoms etc.)*


5. In the case of death of a patient, are health workers required to officially certify the cause of death?

□ Yes □ No

6. Has your country ever issued epidemiological surveys regarding snakebites?

□ Yes □ No

If yes, please attach a copy

7. Have there been any types of efforts to improve the epidemiological knowledge of snakebites?

□ Yes □ No

If yes, please describe the approaches used to improve this knowledge:
Production Regulation

8. Does your country manufacture snake antivenoms locally?

☐ Yes  ☐ No

If not, please move on to the following section (WHO Guidelines)

9. Please provide a list of antivenom manufacturers below (or print and attach a list):

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
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10. Does your country possess regulatory guidelines for the production of snake antivenoms?

☐ Yes  ☐ No

If yes, please attach a copy of these guidelines

11. Are manufacturing sites regularly inspected by health authorities?

☐ Yes  ☐ No

If yes, please attach a copy of the inspection protocol, or describe the key aspects of inspection below:

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12. If your country does **not** possess any regulatory guidelines for the production of snake antivenoms do you rely on inspections carried out by other/external regulatory agencies?

- [ ] Yes
- [ ] No

**WHO Guidelines**

13. Are you aware of the ‘WHO Guidelines for the Production Control and Regulation of Snake Antivenom Immunoglobulins’?

- [ ] Yes
- [ ] No

If **not**, skip to the next section (Access to Antivenoms)

14. Do you have an expert group responsible for the implementation of the guidelines?

- [ ] Yes
- [ ] No

15. Have the recommendations provided in the WHO Guidelines been implemented in your country?

- [ ] Yes
- [ ] No

If **yes**, which recommendations provided in the WHO Guidelines have been implemented in your country?
If **not**, what are the reasons for the WHO Guidelines not being implemented in your country?

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16. Would you require external assistance in order to implement **any** of the recommendations provided in the WHO guidelines?

☐ Yes  ☐ No

If **yes**, please specify what kind of support you would require in order to implement the recommendations provided in the WHO Guidelines:

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Access to Antivenoms

17. Are there currently any snake antivenom products licensed/registered in your country?

☐ Yes  ☐ No

If yes, please list the products that are currently registered/licensed in your country

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18. Does your country operate with an Essential Medicines list?

☐ Yes  ☐ No

If yes, has this list been adapted from the ‘WHO Model List for Essential Medicines’?

☐ Yes  ☐ No

19. Are snake antivenoms on your countries’ Essential Medicines list?

☐ Yes  ☐ No

If yes, when were they adopted into the list? (Year)

________________________________________________________________________

20. Does your country have any national reference preparations for snake antivenoms?

☐ Yes  ☐ No
If **yes**, please provide the following information on the reference preparations:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Composition</th>
<th>Manufacturer</th>
<th>Registration #</th>
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21. If your answer to 20 was **No**, are there any plans for generating national reference preparations for snake antivenoms?

☐ Yes  ☐ No

If **yes**, please describe what the current efforts are for generating reference preparations:

________________________________________________________________________
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22. Does your country make use of any other type of reference preparations, such as from a different country?

☐ Yes  ☐ No

If yes, please specify:

________________________________________________________________________
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________________________________________________________________________

Thank you for taking the time to fill out our survey. The information you provided will be treated confidentially and used solely for the purpose of this study. Your input is greatly appreciated.