

# The Post-vaccination Survey

## Summary

In order to protect a community against rabies we need to vaccinate at least 70% of dogs in that area. The post vaccination survey is **essential** to our work. It enables:

- Calculation of an accurate dog population size
- Estimation of vaccination coverage

Post vaccination surveys should be conducted within **three days** of a vaccination team visiting that ward.

## The Post vaccination team

- Motorcyclist – will drive the motorbike following a route set by the checkpoint co-ordinator
- Counter – this person will ride on the back of the motorbike and will count and record the number of marked and unmarked dogs that are seen.

## Method

Use ward maps to navigate your route

- Start at one end of the ward.
- Move in a zig-zag pattern to reach the opposite side of the ward by covering all accessible streets.
- Count all roaming dogs on the street and follow consistent method – check under cars, but don't search out dogs. Do not go into buildings or purposefully go to places that you know have been visited by the vaccination teams.
- Try not to count the same dogs twice.
- In the field use the **post-vaccination paper record** to tally every dog you see in one of the columns:
  - “marked with paint”
  - “collar” (only dogs wearing a Mission Rabies collar)
  - “un-marked”
- Dogs that have both paint AND a Mission Rabies collar are only recorded in the “collar” column.
- If you are unsure if a dog is marked or not it should be recorded under the un-marked group.



### Post Vaccination record

Name of data collector:

Date (today):

Date of vaccination:

City and ward number:

Team:

Time of day: Morning/Afternoon/Evening

Target sample size:

Marked with paint	Collar	Un-marked
		

## Target sample size

Depending on the number of dogs in a ward, a certain proportion must be counted to get an accurate estimate of vaccination coverage. A “target sample size” is calculated using an estimated dog population size in an area. This estimate can either be generated using previous Mission Rabies figures OR using the dog:human ratio.

Dog:human ratio = 1:36

The target sample size is the minimum number of dogs that must be counted in a ward IN TOTAL

## EpiCollect Recording

After every post-vaccination survey, once you return to the hotel, enter the data from each ward into a separate “post-vaccination” form on EpiCollect.

- Open the EpiCollect app
- Load the “**MRPostVacc**” project
- Enter the totals from each column into a post vaccination survey form for each ward. This includes:
  - GPS (this is to log the CITY - it doesn't matter if this is at the hotel!!!)
  - Ward number
  - Ward vaccination date (last date a vaccination team visited that ward)
  - Target sample size (only if known – can leave blank)
  - Number of dogs with paint
  - Number of dogs with Mission Rabies collar
  - Number of unmarked dogs
- Sync the forms by going to “List Post\_Vacc\_Survey” and then “send data to remote server(s)”

