Group: ❑ Doer ❑ Non-Doer

**Barrier Analysis Questionnaire :**

**Cattle Vaccinating for use with Cattle Owners**

**Behavior Statement**

Targeted cattle owners ensure that all their cattle are vaccinated by a qualified person against Contagious Bovine Pleuro-pneumonia Disease[[1]](#footnote-2) according to the schedule recommended[[2]](#footnote-3) by the national veterinary service. [[3]](#footnote-4)

**Demographic Data**

Interviewer’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Questionnaire No.: \_\_\_\_\_Date: \_\_\_/\_\_\_/\_\_\_

Community: \_\_\_\_\_\_\_\_\_\_\_\_\_

Scripted Introduction:

Hi, my name is\_\_\_\_\_\_\_\_\_; and I am part of a study team looking into things cattle owners do to improve the health of their herd. The study includes a discussion of this issue and will take about 20 minutes. I would like to hear your views on this topic. You are not obliged to participate in the study and no services will be withheld if you decide not to. Likewise, if you chose to be interviewed you will not receive any gifts, special services or remuneration. Everything we discuss will be held in strict confidence and will not be shared with anyone else.

Would you like to participate in the study? [ If not, thank them for their time.]

**Section A - Doer/Non-doer Screening Questions**

1. Do you own any cattle?

❑ a. Yes

❑ b. No 🡪 *End interview and look for another respondent*

❑ c. Don’t Know / Won’t say 🡪 *End interview and look for another respondent*

2. How many cows do you own now[[4]](#footnote-5)?

❑ a. 20 or more

❑ b. 19 or fewer 🡪 *End interview and look for another respondent*

❑ c. Won’t say 🡪 *End interview and look for another respondent*

3. I would like you to think of all the things you have done with your herd of cattle since this time last year and tell me all the things you did to improve the health of your herd.

❑ a. had them vaccinated

❑ b. any other things mentioned accept vaccination 🡪 *Mark as Non-doer*

❑ c. Doesn’t know/Won’t say 🡪 *End interview and look for another respondent*

4. Against what disease(s) did you vaccinate your cattle in the last year?

❑ a. Contagious Bovine Pleuro-pneumonia Disease[[5]](#footnote-6)

❑ b. Any vaccination other than Contagious Bovine Pleuro-pneumonia Disease 🡪 *Mark as Non-doer and continue to Section B*

❑ c. Doesn’t know/Won’t say 🡪 *End interview and look for another respondent*

5. How many times in the last 12 months did you have your cows vaccinated against Contagious Bovine Pleuro-pneumonia Disease?

❑ a. At least once

❑ b. Doesn’t know/Won’t say 🡪 *End interview and look for another respondent*

6. At the time the cattle were vaccinated, what portion of your herd (male and female) was vaccinated against Contagious Bovine Pleuro-pneumonia Disease?

The entire herd, at least half the herd, less than half the herd?

❑ a. All of them 🡪 *Mark as Doer*

❑ b. At least half of the herd 🡪 *Mark as Doer*

❑ c. Less than half of the herd 🡪 *Mark as Non-doer*

❑ d. Doesn’t know/Won’t say 🡪 *End interview and look for another respondent*

7. Who vaccinated your cattle against Contagious Bovine Pleuro-pneumonia Disease?

❑ a. Local Veterinarian or other appropriate response[[6]](#footnote-7)

❑ b. myself, local animal healer, other inappropriate response 🡪 *Mark as Non-doer*

❑ c. Doesn’t know/Won’t say 🡪 *End interview and look for another respondent*

***DOER /NON-DOER CLASSIFICATION TABLE***

|  |  |  |
| --- | --- | --- |
| **DOER**  (all of the following) | **Non-Doer**  (any ONE of the following) | **Do Not Interview**  (any ONE of the following) |
| Question 1 = A |  | Question 1 =B or C |
| Question 2 = A |  | Question 2 = B or C |
| Question 3 = A | Question 3 = B | Question 3 = C |
| Question 4 = A | Question 4 =B | Question 4 =C |
| Question 5 = A |  | Question 5 = B |
| Question 6 = A or B | Question 6 = C | Question 6 = D |
| Question 7 = A | Question 7 = B | Question 7 = C |

Group: ❑ Doer ❑ Non-doer

Behavior Explanation

In the following questions I am going to be asking you about vaccinating your cattle against Contagious Bovine Pleuro-pneumonia Disease according to the recommended schedule. When I say this, I mean having a qualified person vaccinate the entire herd of cows against Contagious Bovine Pleuro-pneumonia Disease each year.

**Section B – Research Questions**

*(Perceived Self-efficacy)*

1. **Doers and Non-doers:** With your present knowledge, money, and skills do you think that you could ensure that all your cattle are vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

❑ a. Yes

❑ b. Possibly

❑ c. No

❑ d. Don’t Know

*(Perceived Self-efficacy)*

**2a. *Doers***: What makes it ***easier*** for you to ensure that all your cattle are vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

**2b.** ***Non-doers***: What would make it ***easier*** for you to ensure that all your cattle are vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

***(Write all responses below. Probe with “What else?”)***

*(Perceived Self-efficacy)*

**3a. *Doers***: What makes it ***difficult*** for you to ensure that all your cattle are vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

**3b.** ***Non-doers***: What would make it ***difficult*** for you to ensure that all your cattle are vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

***(Write all responses below. Probe with “What else?”)***

*(Perceived Positive Consequences)*

**4a.** ***Doers:*** What are the ***advantages*** of having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

**4b. *Non-doers:*** What would be the ***advantages*** of having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

***(Write all responses below. Probe with “What else?”)***

*(Perceived Negative Consequences)*

**5a.** ***Doers:*** What are the ***disadvantages*** of having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

**5b. *Non-doers:*** What would be the ***disadvantages*** of having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

***(Write all responses below. Probe with “What else?”)***

*(Perceived Social Norms )*

**6a. *Doers:*** Do most of the people that you know approve of you having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

**6b.** ***Non-doers***: Would most of the people that you know approve of you having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

❑ a. Yes

❑ b. Possibly

❑ c. No

❑ d. Don’t Know / Won’t say

*(Perceived Social Norms )*

**7a.** ***Doers:*** Who are the people that ***approve*** of you having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

**7b.** ***Non-doers:*** Who are the people that ***would approve*** of you having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

***(Write all responses below. Probe with “Who else?”)***

*(Perceived Social Norms )*

**8a.** ***Doers:*** Who are the people that ***disapprove*** of you having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

**8b.** ***Non-doers:*** Who are the people that ***would disapprove*** of you having all your cattle vaccinated against Contagious Bovine Pleuro-pneumonia Disease each year?

***(Write all responses below. Probe with “Who else?”)***

*(Perceived Access)*

**9a.** ***Doers:*** How difficult is it to get the services of a veterinarian (or other appropriate person) to vaccinate all your cattle against Contagious Bovine Pleuro-pneumonia Disease each year? Very difficult, somewhat difficult, not difficult at all

**9b. *Non-doers:*** How difficult would it be to get the things you need to get the services of a veterinarian (or other appropriate person) to vaccinate all your cattle against Contagious Bovine Pleuro-pneumonia Disease each year?

Very difficult, somewhat difficult, not difficult at all

❑ a. Very difficult

❑ b. Somewhat difficult

❑ c. Not difficult at all.

❑ d. Don’t Know / Won’t say

*(Perceived Cues for Action / Reminders)*

**10a. *Doers:*** How difficult is it to remember to vaccinate all your cattle against Contagious Bovine Pleuro-pneumonia Disease each year? Very difficult, somewhat difficult, or not difficult at all?

**10b. *Non-doers:*** How difficult do you think it would be to remember to vaccinate all your cattle against Contagious Bovine Pleuro-pneumonia Disease each year?

Very difficult, somewhat difficult, or not difficult at all?

❑ a. Very difficult

❑ b. Somewhat difficult

❑ c. Not difficult at all.

❑ d. Don’t Know / Won’t say

*(Perceived Susceptibility / Perceived Risk)*

**11.** ***Doers* *and Non-doers:*** How likely is it that many of your herd of cattle will get sick or die of Contagious Bovine Pleuro-pneumonia Disease? very likely, somewhat likely or not likely at all?

❑ a. Very likely

❑ b. Somewhat likely

❑ c. Not likely at all

*(Perceived Severity)*

**12.** **Doers and Non-doers:** How serious would it be if many of your herd of cattle will got sick or died of Contagious Bovine Pleuro-pneumonia Disease? very serious, somewhat serious, or not serious at all?

❑ a. Very serious

❑ b. Somewhat serious

❑ c. Not serious at all

❑ d. Don’t Know / Won’t say

*(Action Efficacy)*

**13. Doers and Non-doers** How likely is it that your cattle will get Contagious Bovine Pleuro-pneumonia Disease if you vaccinate them each year ? very likely, somewhat likely or not likely at all?

❑ a. Very likely

❑ b. Somewhat likely

❑ c. Not likely at all

*(Perception of Divine Will)*

**14.*****Doers and Non-doers:***Do you think that **God** makes cattle get sick and die?

❑ a. Yes

❑ b. No

❑ c. Don’t Know / Won’t say

**15.*****Doers and Non-doers:***Do you think that **God approves** of vaccinating cattle?

❑ a. Yes

❑ b. No

❑ c. Don’t Know / Won’t say

*(Policy)*

**16. *Doers and Non-doers*:** Are there any community laws or rules in place that make it more likely that you vaccinate your herd against Contagious Bovine Pleuro-pneumonia Disease?

❑ a. Yes

❑ b. No

❑ c. Don’t Know / Won’t say

*(Culture)*

**17. Doers and Non-doers:** Are there any cultural rules or taboos against vaccinating your herd against Contagious Bovine Pleuro-pneumonia Disease?

❑ a. Yes

❑ b. No

❑ c. Don’t Know / Won’t say

*Now I am going to ask you a question totally unrelated to the topic we’ve been discussing.*

*(Question on Universal Motivators)*

**18. Doers and Non-doers:** What is the one thing you desire most in life?

***THANK THE RESPONDENT FOR HIS /HER TIME!***

1. This questionnaire can be modified (or others added to the research) to address other diseases. Each questionnaire should only study one disease/vaccine. [↑](#footnote-ref-2)
2. Always follow the vaccine manufacturer’s recommendations regarding the vaccination schedule. [↑](#footnote-ref-3)
3. For the sake of this example questionnaire, it was assumed that annual booster shots are the recommendation following the initial vaccinate between 2 – 4 months. [↑](#footnote-ref-4)
4. Project implementers will want to define their target group by setting an expected size of herd. [↑](#footnote-ref-5)
5. Be sure to check with people who work with livestock owners regarding the local names and symptoms of common diseases. [↑](#footnote-ref-6)
6. This response should be modified to reflect what is considered appropriate in the local context. [↑](#footnote-ref-7)