Questionnaire

Research Title: Assessment of Environmental Surveillance Systems on Polio Eradication in Nigeria

This questionnaire is designed for health professionals involved in polio surveillance. Your responses will be kept confidential and used strictly for academic purposes.

# SECTION A: DEMOGRAPHIC INFORMATION

1. Gender: ☐ Male  ☐ Female

2. Age Group: ☐ 18–30 ☐ 31–40 ☐ 41–50 ☐ 51+

3. Current Position: ☐ Surveillance Officer ☐ Laboratory Scientist ☐ Environmental Health Officer ☐ Health Facility Worker ☐ Other: \_\_\_\_\_\_\_\_\_\_\_\_\_

4. Years of Experience in Public Health Surveillance: ☐ <2 ☐ 2–5 ☐ 6–10 ☐ >10 years

5. Location/State of Primary Assignment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# SECTION B: KNOWLEDGE AND AWARENESS

6. Are you aware of environmental surveillance (ES) activities in your area? ☐ Yes ☐ No

7. How familiar are you with the processes of ES (sewage sampling, lab testing)? ☐ Very familiar ☐ Somewhat familiar ☐ Not familiar

8. Have you received formal training on ES? ☐ Yes ☐ No

# SECTION C: PERCEPTION OF EFFECTIVENESS

9. How effective is ES in detecting poliovirus compared to AFP? ☐ More effective ☐ Equally effective ☐ Less effective ☐ Don’t know

10. Has ES in your area contributed to early detection of poliovirus cases? ☐ Yes ☐ No ☐ Not sure

11. ES has played a role in polio eradication in Nigeria: ☐ Strongly agree ☐ Agree ☐ Neutral ☐ Disagree ☐ Strongly disagree

# SECTION D: OPERATIONAL CHALLENGES

12. Challenges encountered in ES (check all that apply):

☐ Inadequate training ☐ Poor funding ☐ Sample collection difficulties ☐ Delay in lab analysis ☐ Insecurity in sampling areas ☐ Logistical/transport issues ☐ Lack of community awareness ☐ Others: \_\_\_\_\_\_\_\_\_\_

13. Frequency of environmental sample collection: ☐ Weekly ☐ Bi-weekly ☐ Monthly ☐ Rarely ☐ Not applicable

14. Rate of community cooperation: ☐ Very high ☐ High ☐ Moderate ☐ Low ☐ Very low

# SECTION E: COMPARISON WITH AFP SURVEILLANCE

15. Do you work with both AFP and ES systems? ☐ Yes ☐ No

16. Which system has faster virus detection? ☐ ES ☐ AFP ☐ Both ☐ Not sure

17. Key differences observed between ES and AFP: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# SECTION F: RECOMMENDATIONS

18. What can be done to improve ES in your region? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. Should ES be expanded nationwide? Why/why not? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. Additional Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_