

Supplementary File 1

Survey on Seasonal Variations in Public Perceptions of Diphtheria in Nigeria

Introduction: You are invited to participate in this research study about diphtheria awareness in Nigeria. This survey will take about 15-20 minutes to complete. Your participation is voluntary, and all information provided will be kept confidential and used for research purposes only. You can choose not to answer any question or stop the interview anytime.

Consent Statement: I understand that my participation is voluntary and that I can withdraw anytime. I agree to participate in this study.

For Interviewer Only:

Verbal consent obtained: Yes ____ No ____

Date: // ____ (DD/MM/YY)

Section A: Demographic Information

1. **Month of Interview:** _____
2. **Season**
 - Dry Season
 - Rainy Season
3. **State:** _____
4. **Gender**
 - Male
 - Female
5. **Level of Education**
 - No Formal Education
 - Primary School
 - Junior Secondary School
 - Senior Secondary School
 - Tertiary Education
 - Other (Please specify: _____)
6. **Religion**
 - Christianity
 - Islam
 - Traditional
 - Other (Please specify: _____)
7. **Age Range**
 - 18-29 years
 - 30-39 years
 - 40-49 years
 - 50-59 years
 - 60+ years
8. **Marital Status**
 - Single
 - Married

- Divorced
- Widowed

9. Occupation

- Government worker
- Business Owner
- Healthcare worker
- Self-Employed/Petty Trader
- Professional worker
- Student
- Agriculture
- Artisan
- Teacher/Religious/Missionary worker
- Youth Corps Member
- Unemployed
- Other (Please specify: _____)

Section B: Diphtheria Awareness and Knowledge

10. Have you heard about Diphtheria disease?

- Yes
- No

11. If yes, from which source(s) did you hear about Diphtheria? (Select all that apply)

- Mass Media
 - Radio
 - Television
 - Social Media (excluding WhatsApp)
 - WhatsApp
- Healthcare Sources
 - Doctors
 - Nurses
 - Community Health Workers (CHEW/CHO)
 - Healthcare facilities
- Organizations
 - NCDC
 - NPHCDA
 - UNICEF
 - Red Cross
 - Other NGOs/Partners
- Community Sources
 - Family members
 - Friends
 - Community leaders
 - Religious leaders
 - Traditional healers
 - Traditional midwives
 - Community mobilizers
 - Other community members
- Other (Please specify: _____)

Section C: Perceived Risk

12. Who do you think are at higher risk for Diphtheria? (Select all that apply)

- ☐ Children under 5 years old
- ☐ Adolescents (5-14 years)
- ☐ Youth (15 years and above)
- ☐ Adults
- ☐ Elderly persons
- ☐ Pregnant women
- ☐ Health workers
- ☐ Don't know

13. What are the main symptoms of Diphtheria? (Select all that apply)

- ☐ Fever
- ☐ Runny nose
- ☐ Sore throat
- ☐ Cough
- ☐ Red eyes (conjunctivitis)
- ☐ Neck swelling
- ☐ Don't know
- ☐ Other (Please specify: _____)

Section D: Vaccination Attitudes

14. If a Diphtheria vaccine was available, how likely would you or your under-5 child take it?

- ☐ Very likely
- ☐ Somewhat likely
- ☐ Neutral
- ☐ Somewhat unlikely
- ☐ Very unlikely
- ☐ Don't know

15. What would influence your decision to get vaccinated? (Open-ended)

Thank you for your time and participation.