

INTEGRATED POST CAMPAIGN COVERAGE SURVEY (IPCCS) 2024

SURVEY METHODOLOGY

BY

NATIONAL BUREAU OF STATISTICS

OUTLINE OF PRESENTATION



- Introduction
- Survey Objectives
- Coverage
- Chronogram with Targeted Age Cohorts
- Scope
- Sample Design
- Survey Instruments
- Training for Data Collection
- Field work Arrangement
- Quality Assurance /Monitoring
- Coordination
- Data Transmission & Processing
- Report Writing
- Dissemination of Survey Result



➤ The National Bureau of Statistics (NBS) in collaboration with the National Primary Health Care Development Agency (NPHCDA) is conducting the Integrated Post Campaign Coverage Survey (IPCCS) with technical support from :

- ✓ World Health Organization (WHO)
- ✓ United Nations Children's Fund (UNICEF)
- ✓ Gavi
- ✓ Other technical partners



➤ IPCCS is a pre-requisite for the successful reduction of risk of :

- ✓ Measles
- ✓ Yellow- Fever
- ✓ Routine Immunization



- IPCCS is conducted 2 weeks after the campaign to validate the quality of the campaign through card retention and finger mark
- Its primary aim is to estimate vaccine antigen coverage and identify populations with sub-optimal vaccination in targeted age groups as shown below
 - ✓ 9 months to 44 years for Yellow Fever
 - ✓ 9 to 59 months for Measles
 - ✓ 0 – 23 months for RI

OBJECTIVES - MEASLES



- The primary objective is to estimate the level of coverage among the target population of the 2024 Measles Vaccine Coverage (MVC)

Others include :

- To stratify coverage estimates by age group (9–23 months, 24–59 months)
 - ✓ To determine the prevalence of children receiving the first dose of measles vaccine during the campaign (i.e., previously unvaccinated)
 - ✓ To compare campaign vaccination uptake among children who had, and had not, previously received Measles Campaign vaccine (MCV)



OBJECTIVES – YELLOW FEVER



- The primary objective is to reduce yellow fever transmission by achieving at least 80% coverage in all implementing states
- Others include :
 - ✓ To utilize opportunities of the campaign to strengthen the health systems, immunization programme pharmacovigilance system
 - ✓ To analyse coverage by age group (9-23 months, 24 – 59 months, and 5-44 years)
 - ✓ To analyse coverage by sex
 - ✓ To identify key communication channels that were effectively used for the campaign

COVERAGE

➤ The survey will be conducted in 26 states namely:



- | | |
|---------------|------------|
| ✓ Anambra | ✓ Benue |
| ✓ Enugu | ✓ Kogi |
| ✓ Akwa Ibom | ✓ Nasarawa |
| ✓ Cross River | ✓ Jigawa |
| ✓ Edo | ✓ FCT |
| ✓ Osun | ✓ Niger |
| ✓ Ekiti | ✓ Plateau |
| ✓ Delta | ✓ Gombe |
| ✓ Rivers | ✓ Bauchi |
| ✓ Lagos | ✓ Adamawa |
| ✓ Ondo | ✓ Zamfara |
| ✓ Oyo | ✓ Yobe |
| ✓ Ogun | ✓ Borno |

STATES AND THER ANTIGENS

S/N	Integrated Services	States	Age Group
1	Measles	✓ Anambra	9 – 59 Months,
		✓ Enugu	
		✓ Akwa Ibom	
		✓ Cross River	
		✓ Edo	
		✓ Osun	
		✓ Ekiti	
		✓ Delta	
		✓ Rivers	
		✓ Benue	
		✓ Kogi	
		✓ Oyo	
		✓ Ogun	
		✓ Ondo	
		✓ Nasarawa	
		✓ Jigawa	
		✓ FCT	
		✓ Niger	
		✓ Plateau	
		✓ Gombe	
		✓ Bauchi	
		✓ Adamawa	
		✓ Zamfara	
2	Yellow Fever	✓ Yobe	9 Months-44 years
		✓ Borno	
3	Measles, and Yellow Fever	✓ Lagos	9 – 59 Months, and 9 Months -44 years.

SCOPE

- The areas of interest include :
 - ✓ Household Information panel
 - ✓ Individual and Children Information Panel
 - ✓ Demographic Information
 - ✓ Immunization
 - ✓ key communication channels
 - ✓ Prevalence of Adverse Effect following immunization during Campaign

SAMPLE DESIGN

FRAME

- ⑩ The frame of newly digitized list of enumeration areas for the next national housing and population census will be used

EAs

- ⑩ Forty (40) EAs were sampled in 20 states, 39 EAs in 4 states and 36 EAs in 2 states also
- ⑩ A total of 1028 EAs will be study for the Integrated PCCS sample making

HH

- ⑩ 15 households is expected to be interviewed in each EA
- ⑩ In each state, total households to be covered varies by the number of EAs
- ⑩ A total of 15,420 households will be canvassed in the 26 states

Distribution of Expected Number of Households to be cover by State

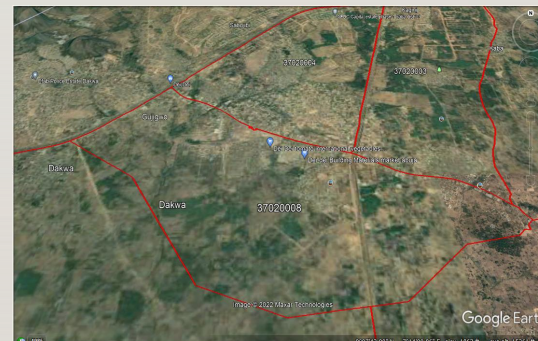
S/no.	State	Total EAs to Cover	Expected HH s/ EA	Total HHs / State	S/no.	State	Total EAs to Cover	Expected HHs / EA	Expected Total HHs /State
1	Anambra	40	15	600	14	Ondo	40	15	600
2	Enugu	40	15	600	15	Nasarawa	40	15	600
3	Akwa Ibom	40	15	600	16	Jigawa	40	15	600
4	Cross River	40	15	600	17	FCT	40	15	600
5	Edo	39	15	585	18	Niger	40	15	600
6	Osun	40	15	600	19	Plateau	39	15	585
7	Ekiti	40	15	600	20	Gombe	40	15	600
8	Delta	40	15	600	21	Bauchi	40	15	600
9	Rivers	40	15	600	22	Adamawa	40	15	600
10	Benue	39	15	585	23	Zamfara	36	15	540
11	Kogi	39	15	585	24	Yobe	40	15	600
12	Ogun	40	15	600	25	Borno	36	15	540
13	Oyo	40	15	600	26	Lagos	40	15	600
	Total						1,028		15,420

SURVEY INSTRUMENTS / EQUIPMENT

- Paper Questionnaire for training
- Digitized maps
- Sample List of EAs
- Selected Households
- CAPI



2011 SAMPLE MAILING LIST					
ART ID #	COMPANY	ADDRESS	CITY	ST ZIP FIRST	
876521	P. PHILLIPS DESIGN INC.	2200 MARSH	NEW YORK	NY 10001-1234	JANE A.
765432	JACKSON'S JEWELRY INC.	1501 MARSH BLVD NW	NEW YORK	NY 10001-1234	SALVARY
654321	CARROLL JEWELRY, LLC	1001 MARSH BLVD NW	NEW YORK	NY 10001-1234	DAVID
543210	TOM JONES & CO. JEWELERS	1101 MARSH BLVD	NEW YORK	NY 10001-1234	HELEN
432109	AUSTIN POWER JEWELRY	1201 MARSH BLVD	NEW YORK	NY 10001-1234	JOHN
321098	THE JEWELERS WORKSHOP	1301 MARSH ST	NEW YORK	NY 10001-1234	JANE
210987	HANCOCK JEWELRY INC.	1401 MARSH BLVD	NEW YORK	NY 10001-1234	MARCO
109876	DOUG JEWELRY INC.	1501 MARSH ST	LOS ANGELES	CA 90001-1234	HENRY
987654	DOUG JEWELRY INC.	1601 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
876543	THE DOUG JEWELRY CO.	1701 MARSH BLVD	LOS ANGELES	CA 90001-1234	PETER
765432	DOUG JEWELRY INC.	1801 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
654321	DOUG JEWELRY INC.	1901 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
543210	DOUG JEWELRY INC.	2001 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
432109	DOUG JEWELRY INC.	2101 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
321098	DOUG JEWELRY INC.	2201 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
210987	DOUG JEWELRY INC.	2301 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
109876	DOUG JEWELRY INC.	2401 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
987654	DOUG JEWELRY INC.	2501 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
876543	DOUG JEWELRY INC.	2601 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
765432	DOUG JEWELRY INC.	2701 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
654321	DOUG JEWELRY INC.	2801 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
543210	DOUG JEWELRY INC.	2901 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
432109	DOUG JEWELRY INC.	3001 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
321098	DOUG JEWELRY INC.	3101 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
210987	DOUG JEWELRY INC.	3201 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
109876	DOUG JEWELRY INC.	3301 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
987654	DOUG JEWELRY INC.	3401 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
876543	DOUG JEWELRY INC.	3501 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
765432	DOUG JEWELRY INC.	3601 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
654321	DOUG JEWELRY INC.	3701 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
543210	DOUG JEWELRY INC.	3801 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
432109	DOUG JEWELRY INC.	3901 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
321098	DOUG JEWELRY INC.	4001 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
210987	DOUG JEWELRY INC.	4101 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
109876	DOUG JEWELRY INC.	4201 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
987654	DOUG JEWELRY INC.	4301 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
876543	DOUG JEWELRY INC.	4401 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
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432109	DOUG JEWELRY INC.	4801 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
321098	DOUG JEWELRY INC.	4901 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
210987	DOUG JEWELRY INC.	5001 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
109876	DOUG JEWELRY INC.	5101 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
987654	DOUG JEWELRY INC.	5201 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
876543	DOUG JEWELRY INC.	5301 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
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543210	DOUG JEWELRY INC.	5601 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
432109	DOUG JEWELRY INC.	5701 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
321098	DOUG JEWELRY INC.	5801 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
210987	DOUG JEWELRY INC.	5901 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
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987654	DOUG JEWELRY INC.	6101 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
876543	DOUG JEWELRY INC.	6201 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
765432	DOUG JEWELRY INC.	6301 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
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210987	DOUG JEWELRY INC.	6801 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
109876	DOUG JEWELRY INC.	6901 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
987654	DOUG JEWELRY INC.	7001 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
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210987	DOUG JEWELRY INC.	7701 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
109876	DOUG JEWELRY INC.	7801 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
987654	DOUG JEWELRY INC.	7901 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
876543	DOUG JEWELRY INC.	8001 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
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321098	DOUG JEWELRY INC.	8501 MARSH BLVD	LOS ANGELES	CA 90001-1234	JOHN
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TRAINING FOR FIELDWORK

- There will be two (2) levels of training
- 1st level is the Training of Trainers (ToT)
- Participants at this level includes:
 - ✓ NBS & NPHCDA officers who will serve as trainers in the second level training
 - ✓ Coordinators
 - ✓ Stakeholders
- Training will last for 3 days,



TRAINING FOR FIELDWORK



- 2nd level is the Training of Enumerators (ToE) which will be held in all the 26 states
- Participants at this level will include:
 - ✓ Interviewers
 - ✓ State Officer
 - ✓ Zonal controller
 - ✓ Trainers
 - ✓ Coordinators
 - ✓ Stakeholders
- Training will last for 3 days

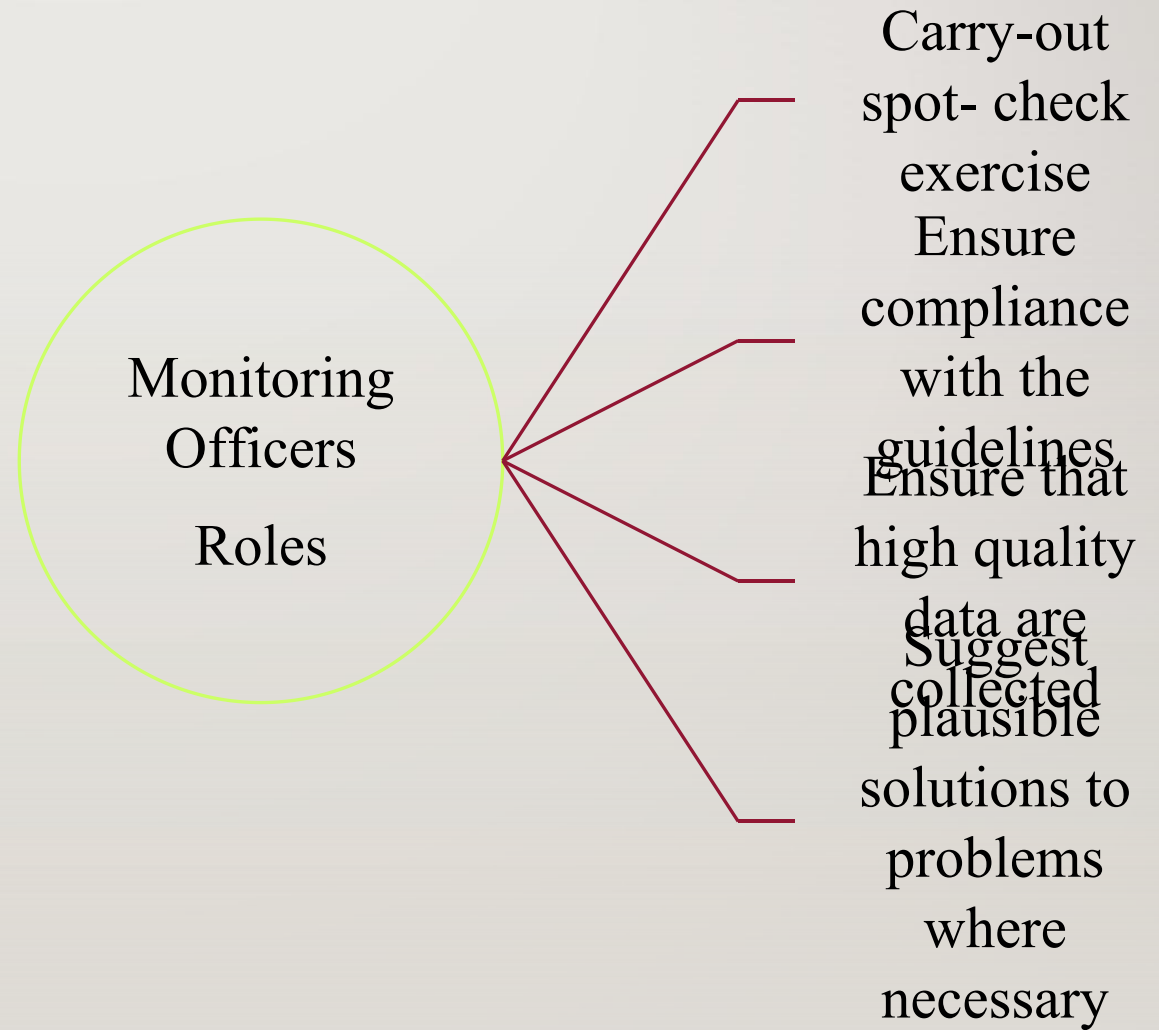
FIELDWORK ARRANGEMENT FOR LISTING

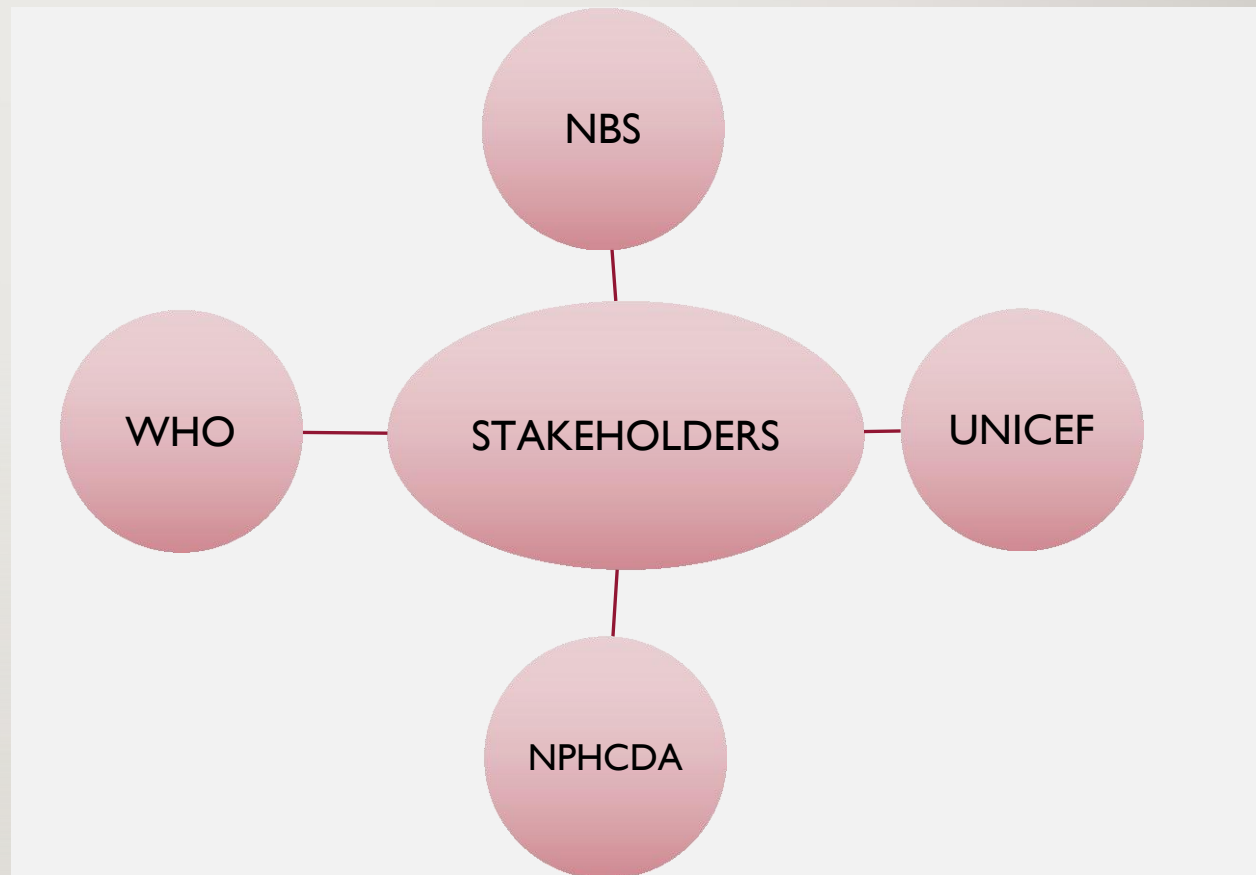
- Five (5) teams will be constituted in each state
- A team will comprise of 4 persons
 - ✓ A team lead and 3 teammates
 - ✓ 20 interviewers will be engaged in each state
- A total of 520 field staff will be engaged for data collection in the 26 states
- The of EAs to be cover by each team varies
- Data collection will last for 10 days including travelling time and call backs



QUALITY ASSURANCE/ MONITORING

- **In order to enhance the quality of data , there will be monitoring in the 26 states**





- Coordination will be done to ensure total adherence to laid down procedures by all
- Every aspect of the data production will be coordinated

DATA TRANSMISSION



➤ Real-time on line data transmission will be adopted for collecting data from the field



➤ Data will be synchronized at the completion of data collection in every EA

DATA PROCESSING



➤ The data processing system will be divided into the following:

- ✓ Data cleaning
- ✓ Data editing
- ✓ Tabulation
- ✓ Table generation / Analysis

REPORT WRITING

- A detailed report will be written by officers from NBS and NPHCDA with technical support from :
 - ✓ WHO
 - ✓ UNICEF and
 - ✓ Other technical stakeholders

END OF PRESENTATION

