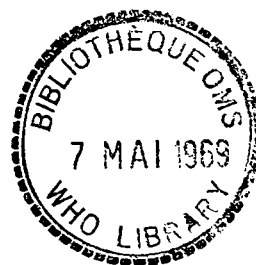




INTER-REGIONAL SEMINAR ON SMALLPOX ERADICATION

Lagos, Nigeria, 13-20 May 1969

COUNTRY REPORT



1.0 DEMOGRAPHIC DATA

1.1 Estimated population (July 1969)

Age	
0-4	12 000 000
5-14	16 000 000
15-44	27 000 000
45+	9 000 000
TOTAL	64 000 000

1.2 Population by geographic subdivision (Table 1)

1.3 Population density by geographic subdivision (Table 1)

1.4 Population density by geographic subdivision (Figure 1)

2.0 SMALLPOX INCIDENCE AND VACCINATION DATA

2.1 Smallpox cases by month and geographic subdivision - Jan. 1968 - Feb. 1969 (Table 2)

2.2 Location of smallpox outbreaks.

Oct. 68 - Dec. 68 (Figure 2)

Jan. 69 - Feb. 69 (Figure 3)

2.3 Incidence rates per 100 000 population by geographic subdivision and by quarter.

Jan. 68 - Mar. 68 (Figure 4)

Apr. 68 - Jun. 68 (Figure 5)

Jul. 68 - Sep. 68 (Figure 6)

Oct. 68 - Dec. 68 (Figure 7)

Jan. 69 - Feb. 69 (Figure 8)

2.4 Monthly distribution of smallpox cases by age and sex - Jan. 1969 - Feb. 1969

(Table 3)

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- 2.5 Smallpox vaccinations performed by quarter and geographic subdivision - January 1968 through February 1969 (Table 4)
- 2.6 Areas vaccinated since inception of the programme (Figure 9)
- 2.7 Smallpox vaccination targets by geographic subdivision - July 1969 through June 1970 (Table 5)

2.8 Method for recording of vaccinations:

Tally sheet: Yes No

Other registry system (specify) _____

2.9 Youngest age for beginning smallpox vaccination:

Birth 6 months Other _____

3.0 MEASLES INCIDENCE AND VACCINATION DATA (for countries engaged in measles vaccination programmes)

3.1 Reported measles cases by month and geographic subdivision (Table 6)

3.2 Measles immunizations by quarter and geographic subdivision (Table 7)

3.3 Areas vaccinated against measles since inception of the programme and areas where maintenance vaccination programmes have been initiated (Figure 10)

4.0 NUMBER OF PERSONNEL ENGAGED IN VACCINATION PROGRAMME

4.1 Vaccinators:	Regular teams	<u>60</u>
	Maintenance teams	<u>9</u>
	Other (Specify)	<u>5</u> Epidemic Control
	TOTAL	<u>74</u>

Other field staff, including recorders, drivers, etc. _____

Supervisory personnel (paramedical) 15

4.2 Number of vaccinators directly supervised by one supervisor 5 - 10 teams

4.3 Average number of vaccinations performed daily by each team:

Regular teams 1 500 - 3 000

Maintenance teams 500

Other (specify) _____

5.0 PROGRAMME EXECUTION

5.1 Supervision

5.1.1 Proportion of time spent in field by supervisory staff and technical advisory staff checking directly on the work of vaccinators and assessors and lower level supervisors:

By country staff reviewing work of - Vaccination team: 10 days per mo.

Other levels: 5 days per mo.

By advisory staff reviewing work of -

Vaccination team: 60 days per mo.

(Staff of 10)

Other levels: 20 days per mo.

5.1.2 Measures taken when vaccinator or assessor performance is unsatisfactory
None, reprimand or transfer

5.2 Assessment

5.2.1 Vaccine "take rates"

Proportion of primary vaccinations in 0-4 year old children which are checked after seven days to determine takes < 1%

Steps taken when the proportion of successful primary vaccination falls below 95% This has not been observed.

5.2.2 Vaccination coverage:

Number of vaccinations performed in each area are compared with the population estimate for the area (e.g. village register, census, etc.)

Yes

No

5.2.3 Assessment of coverage:

An assessment of coverage is regularly performed in a sample of the population

Yes

No

Level of coverage in the 0-4 and 5-14 year age group which is considered acceptable

85%

80%

Other _____

Proportion of assessment surveys which fall below the level noted above.

20 %

Steps taken if the coverage is not acceptable (i.e. revaccinate the area etc.) a) Revaccinate the area or b) increase surveillance and epidemic control

Changes which have been made in the programme as a direct result of assessment a) Alter advance publicity; b) revaccinate missed subsequent of the population; c) revaccinate area

5.3 Surveillance

5.3.1 Notification of smallpox cases:

Number of sites which could report smallpox cases (e.g. hospitals, health centres, health posts, dispensaries) 4 000

Frequency of reporting:

Immediate Weekly Other (*)

Number of reports: Expected in 1968

Received in 1968

% received

Negative reporting is generally practised: Yes No

Other specialized programmes which report cases

Nigeria has 18 infectious diseases reportable by weekly telegram

Other persons or groups who have been requested to notify cases

Local Government, teachers, missionaries, District Head, Village Head, Family Head.

Proportion of cases for which age, sex, and vaccination status are recorded

80 % at present

Best estimate of the percentage of cases which are reported:

	January 1967	February 1969
More than 90%	<u> </u>	<u> </u>
75-89%	<u> </u>	<u> </u>
50-74%	<u> </u>	<u>X</u>
Less than 50%	<u>X</u>	<u> </u>

5.3.2 Case investigation and containment measures:

Number of case investigation/containment ('fire-fighting') teams which have been established 4

These teams are: Centralized Decentralized

If decentralized, to what extent SMP Programme Operation

Proportion of cases, since October 1968, in which containment action was taken within 48 hours after notification 50 %

Proportion of outbreaks, since October 1968, routinely investigated to determine the origin of infection 90 %

Of the investigations noted above, the percentage of outbreaks where the origin was not ascertained 60 %

Federal receives 12 State reports which summarize reports of regular weekly reporting centres (total 80). Number of sub-centres regularly reporting is not known.

6.0 COMMODITIES

6.1 Vaccine use: Col. 1 Number of Doses Recd. Col. 2 Number of Doses in Inventory Col. 3 Number of Doses Used (Col.1-Col.2) Col. 4 Number of Vacc. performed Reasons for Difference between Col.3 and Col.4

Year	Col. 1	Col. 2	Col. 3	Col. 4	Reasons for Difference between Col.3 and Col.4
1967	41 868 000	200 000	39 868 000	32 781 427	Dose used 0.12 - 0.15
1968					
1969*					
1967	2 981 150	100 000	2 881 150	4 215 445	No separate Measles tally is made
1968					
1969*					

Smallpox vaccine

Measles vaccine

* January and February only

6.2 Equipment:

<u>Item</u>	<u>Number Supplied</u> *	<u>Number in Operation</u>	<u>Comment</u>
Trucks	90	80	
Ped-o-Jets	443	348	
Refrigerators	69	30	
Motorbikes	59	30	

* Since inception of the programme.

Has a warehouse with rotating inventory system for spare parts been established? Yes No

TABLEAU 2. CAS DE VARIOLE PAR MOIS ET PAR DIVISION GEOGRAPHIQUE (JUSQU'A FEVRIER 1969)
TABLE 2. SMALLPOX CASES BY MONTH AND GEOGRAPHIC SUBDIVISION (TO FEBRUARY 1969)

Division géographique	Nombre de cas pas mois/Number of cases by month														
	1968													1969	
Geographic Subdivisions	J	F	M	A	M	J	J	A	S	O	N	D	Total	J	F
Semaines/Weeks	1-5	6-9	10-13	14-17	18-22	23-26	27-31	32-35	36-39	40-44	45-48	49-52		1-5	6-9
Benue Plateau	56	6	2	4	33	-	10	4	-	3	-	3	121	-	5
East Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kano	138	292	23	148	205	34	10	1	-	-	1	1	853	19	13
Kwara	3	3	3	-	-	1	-	-	12	5	1	-	28	1	12
Lagos	-	-	1	4	10	2	3	1	2	-	2	1	26	-	-
Mid West	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-
North East	69	142	149	52	120	15	5	12	-	3	-	-	567	-	-
North Central	12	42	16	17	11	8	5	5	1	37	3	-	157	-	-
North West	22	1	3	-	4	-	4	-	2	-	-	1	37	-	3
Rivers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West	2	10	2	4	1	5	3	5	5	3	2	-	42	-	7
Total	302	496	200	229	384	65	40	28	22	51	9	6	1 832	21	40

TABLEAU 4. VACCINATIONS ANTIVARIOLIQUES EFFECTUEES, PAR DIVISION GEOGRAPHIQUE
(Divisions indiquées par les cartes)

TABLE 4. SMALLPOX VACCINATIONS PERFORMED BY GEOGRAPHIC SUBDIVISIONS
(those shown on country maps)

Division géographique Geographic Subdivisions	1967	1er trim. 1968 First Quarter	2ème trim. 1968 Second Quarter	3ème trim. 1968 Third Quarter	4ème trim. 1968 Fourth Quarter	** J-F 1969	Total général* Grand total*
Benue Plateau	-						17 529
East Central	675 000					36 401	711 401
Kano	40 108					300 749	5 871 244
Kwara	-					349 309	349 309
Lagos	1 146 000					318 757	1 600 431
Mid West	508 761					54 726	1 707 154
North Central	-						2 881 958
North East	50 290					1 166 456	4 851 620
North West	4 061 752						4 287 344
Rivers						181 121	181 121
South East	75 120					127 359	437 451
West	3 002 559					437 437	12 857 224
			1967		1968		
		Programme	9 559 590		23 221 836		
		Multiple Pressure	4 923 929		1 417 627	**	
			14 483 519		24 639 463		
Total	9 559 590	6 340 632	6 803 388	6 504 164	3 573 652	2 972 315	35 753 742

* Englobant le total depuis la mise en oeuvre du programme.

* Includes the total since the inception of the programme.

** Incomplete

** Incomplet

TABLEAU 5. OBJECTIFS DE LA VACCINATION PAR DIVISION GEOGRAPHIQUE,
DE JUILLET 1969 A JUIN 1970

TABLE 5. VACCINATION TARGETS BY GEOGRAPHIC SUBDIVISIONS
JULY 1969-JUNE 1970

Division géographique	Nombre de vaccinations prévues/Number of vaccinations planned			
	1969		1970	
Geographic Subdivisions	Juillet-septembre	Octobre-décembre	Janvier-mars	Avril-juin
	July-September	October-December	January-March	April-June
Benue Plateau	2 000 000	2 000 000	-	-
East Central	1 000 000	1 000 000	1 000 000	1 000 000
Kano	130 000	130 000	130 000	130 000
Kwara	-	-	55 000	55 000
Lagos	33 000	33 000	33 000	33 000
Mid West	58 000	58 000	58 000	58 000
North Central	2 000 000	2 000 000	90 000	90 000
North Eastern	-	-	94 000	94 000
North Western	1 000 000	1 000 000	80 000	80 000
Rivers	300 000	300 000	300 000	300 000
South East	1 000 000	1 000 000	1 000 000	1 000 000
West	218 000	218 000	218 000	218 000
Total	7 739 000	7 739 000	3 058 000	3 058 000

TABLEAU 6. CAS DE ROUGEOLE DECLARES DE JANVIER 1968 JUSQU'A FEVRIER 1969 COMPRIS
TABLE 6. REPORTED MEASLES CASES JANUARY 1968 (THROUGH FEBRUARY 1969)

Division géographique	Nombre de cas par mois/Number of cases by month														
	1968													1969	
	J	F	M	A	M	J	J	A	S	O	N	D	Total	J	F
Semaines/Weeks	1-5	6-9	10-13	14-17	18-22	23-26	27-31	32-35	36-39	40-44	45-48	49-52		1-5	6-9
Benue Plateau	608	691	317	345	1 512	390	947	981	1 245	852	672	549	9 109	796	633
Kano	704	1 373	515	2 307	1 262	654	326	51	54	158	89	65	7 558	143	291
Kwara	283	370	328	243	268	446	171	266	128	265	333	487	3 588	326	269
Lagos	77	64	167	137	251	128	260	408	409	362	281	233	2 777	314	336
Mid West	135	138	137	127	190	150	340	196	137	210	193	241	2 194	412	388
North Central	939	948	874	905	1 154	510	383	318	62	417	452		6 962	-	-
North East	616	552	669	395	1 093	436	233	179	130	183	147	98	4 731	151	291
North West	504	690	116	327	1 231	322	341	358	280	186	227	752	5 334	505	1 090
Rivers															
South East										1	3	6	10	5	-
West	861	1 345	699	784	666	511	443	339	259	474	572	641	7 594	1 808	1 361
Total													49 857		

TABLEAU 7. VACCINATIONS ANTIROUGEOLEUSES EFFECTUEES, PAR DIVISION GEOGRAPHIQUE
(Divisions indiquées par les cartes)

TABLE 7. MEASLES VACCINATIONS PERFORMED BY GEOGRAPHIC SUBDIVISIONS
(those shown on country maps)

Division géographique	1er trim. 1968	2ème trim. 1968	3ème trim. 1968	4ème trim. 1968	Janvier-février 1969	Total général*
Geographic Subdivisions	First Quarter	Second Quarter	Third Quarter	Fourth Quarter		Grand total*
Benue Plateau						
East Central						65 290
Kano						837 238
Kwara						54 870
Lagos						149 950
Mid West						306 626
North Central						421 694
North Eastern						733 356
North Western						703 580
Rivers						23 123
South East						83 280
West						1 281 717
Total	810 880	853 773	908 493	512 472	445 279	4 660 724

* Englobant le total depuis la mise en oeuvre du programme.

* Includes the total since the inception of the programme.

Figure 1
(1.4)

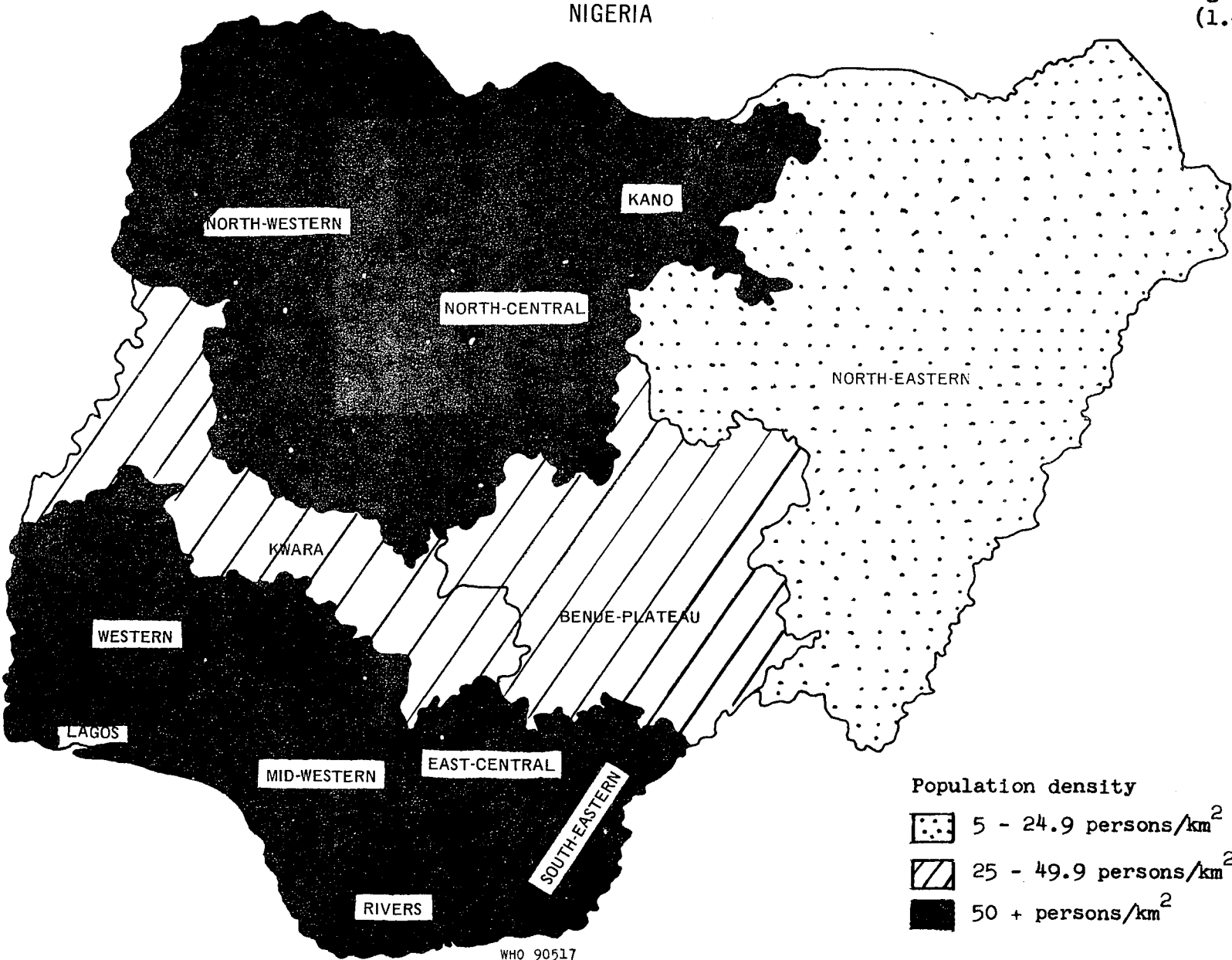


Figure 2
(2.2)

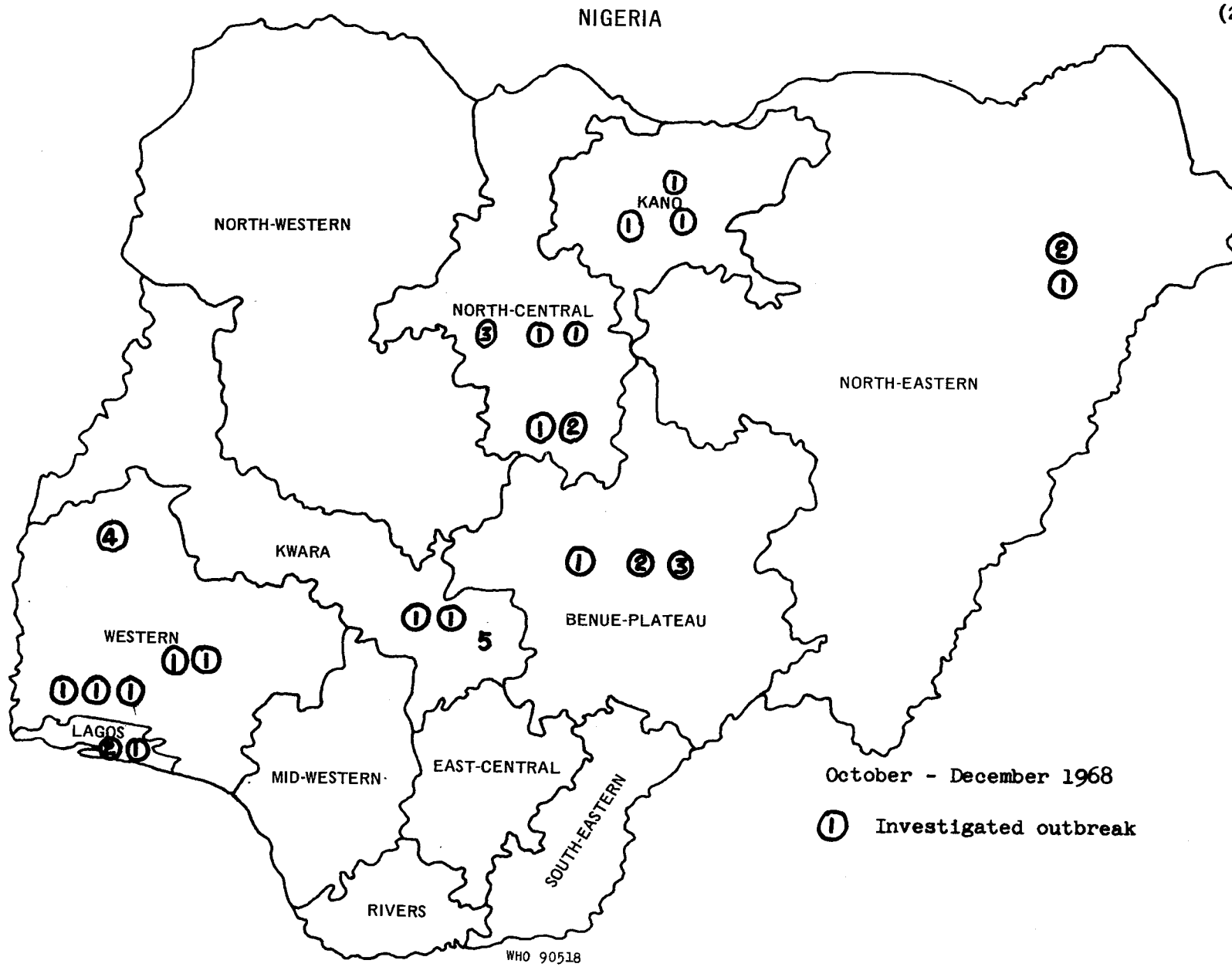


Figure 3
(2.2)

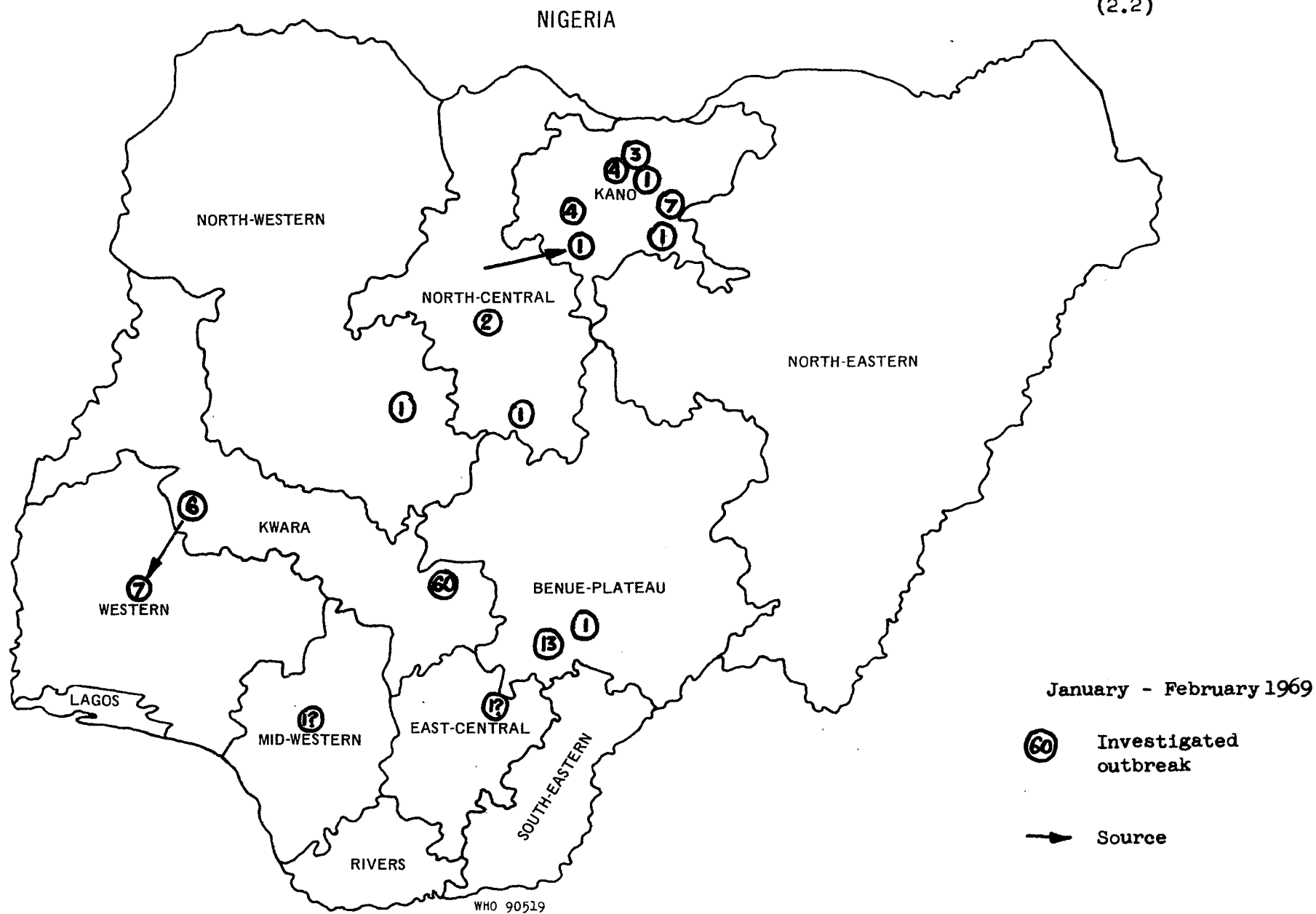


Figure 4
(2.3)

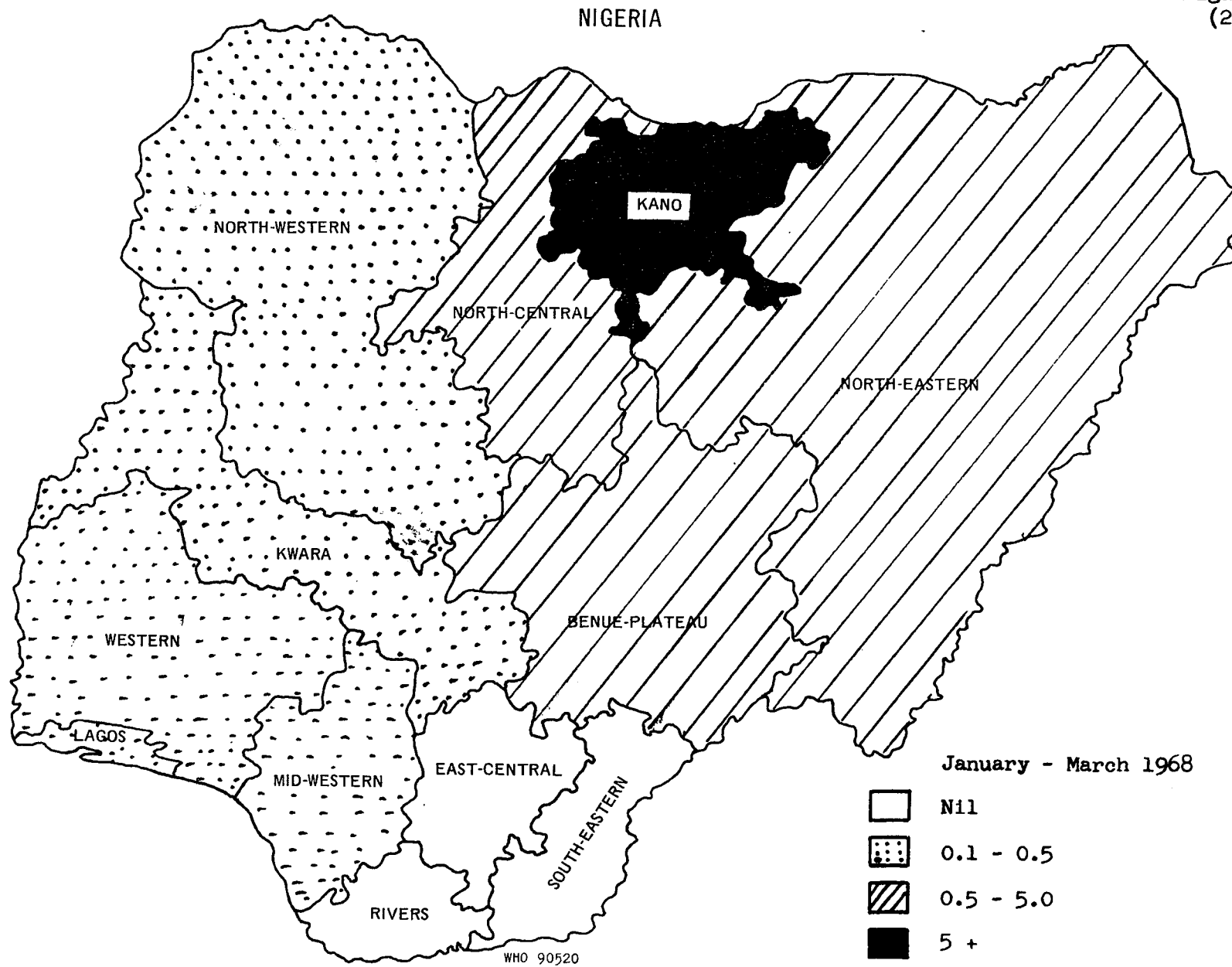


Figure 5
(2.3)

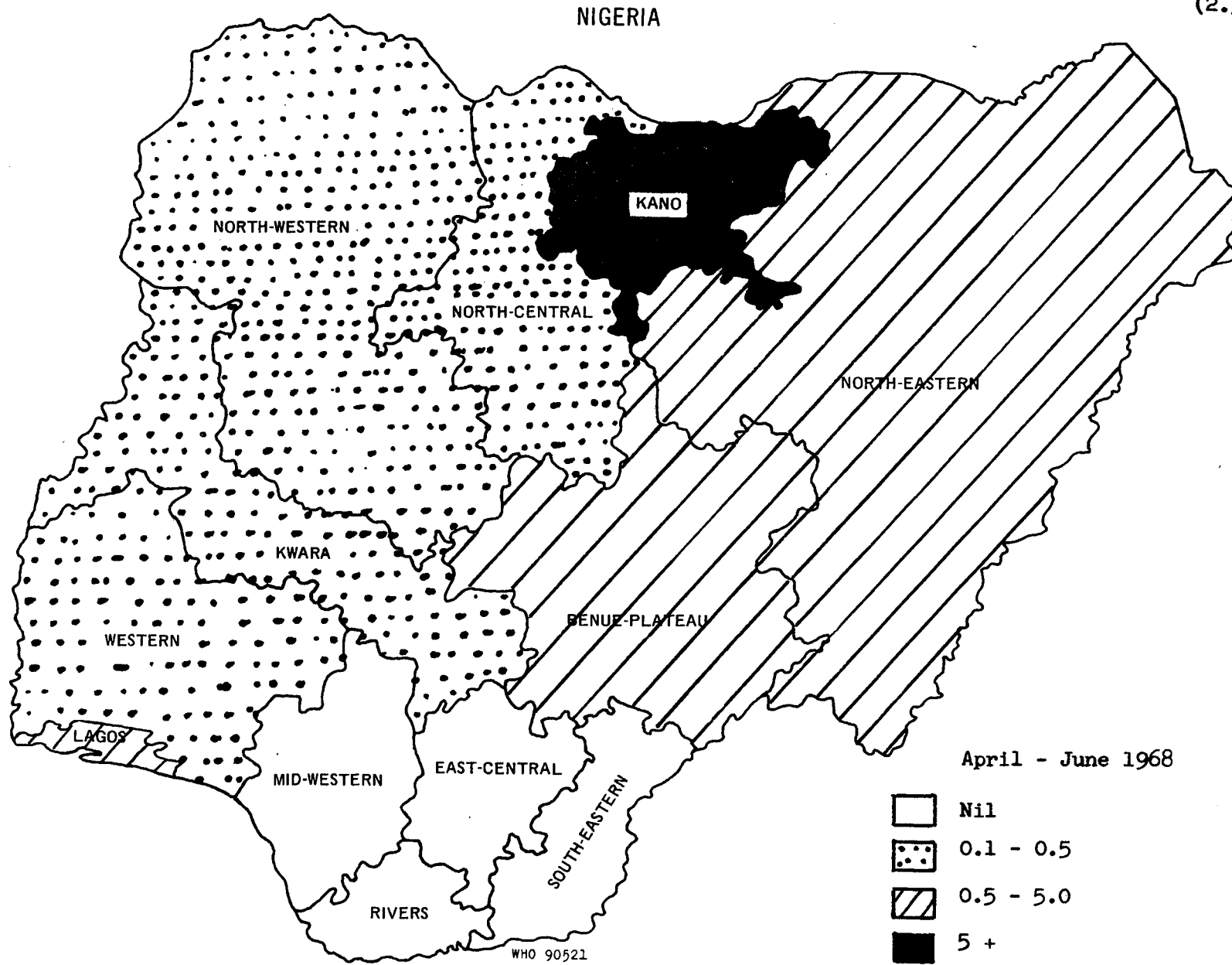


Figure 6
(2.3)

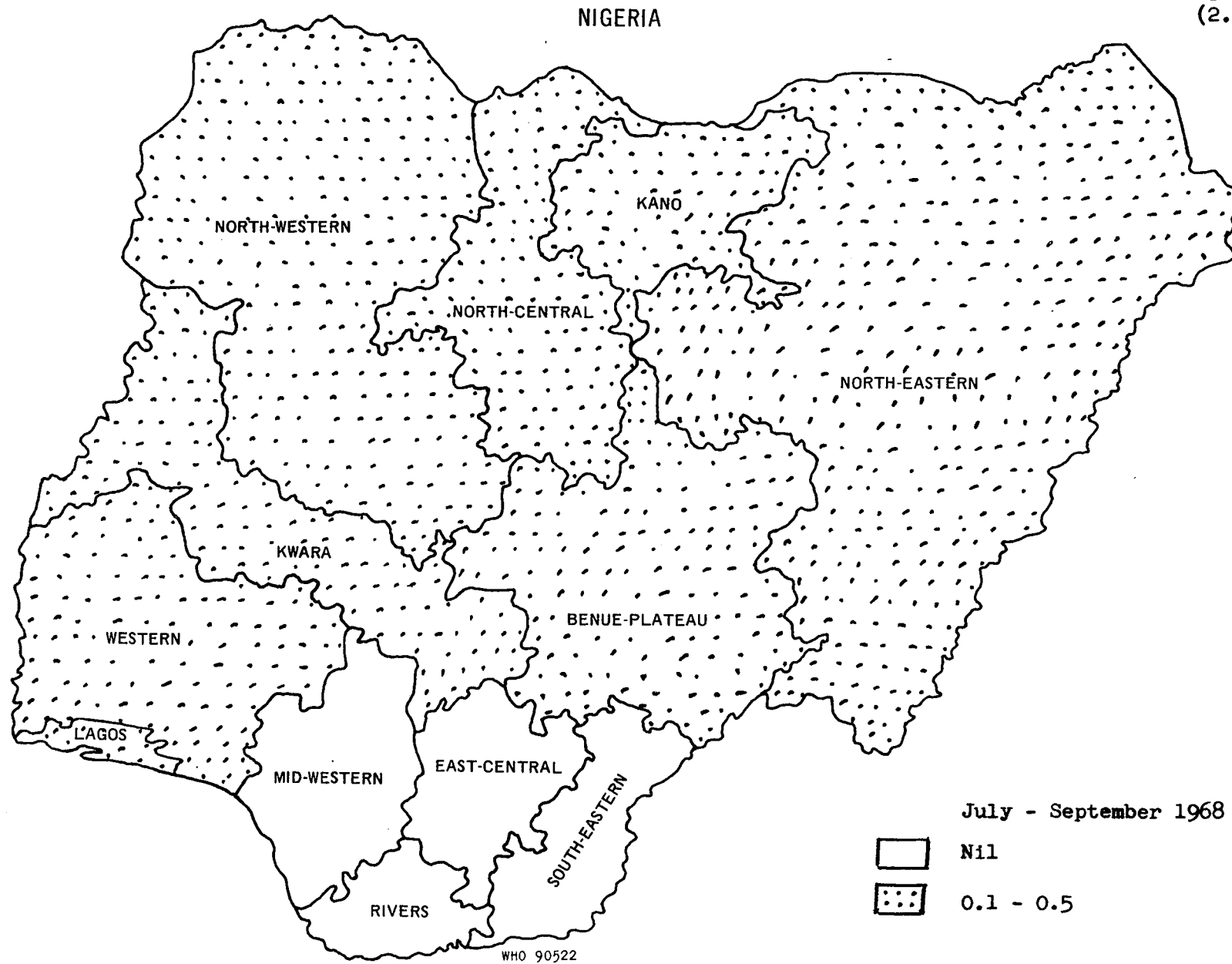


Figure 7
(2.3)

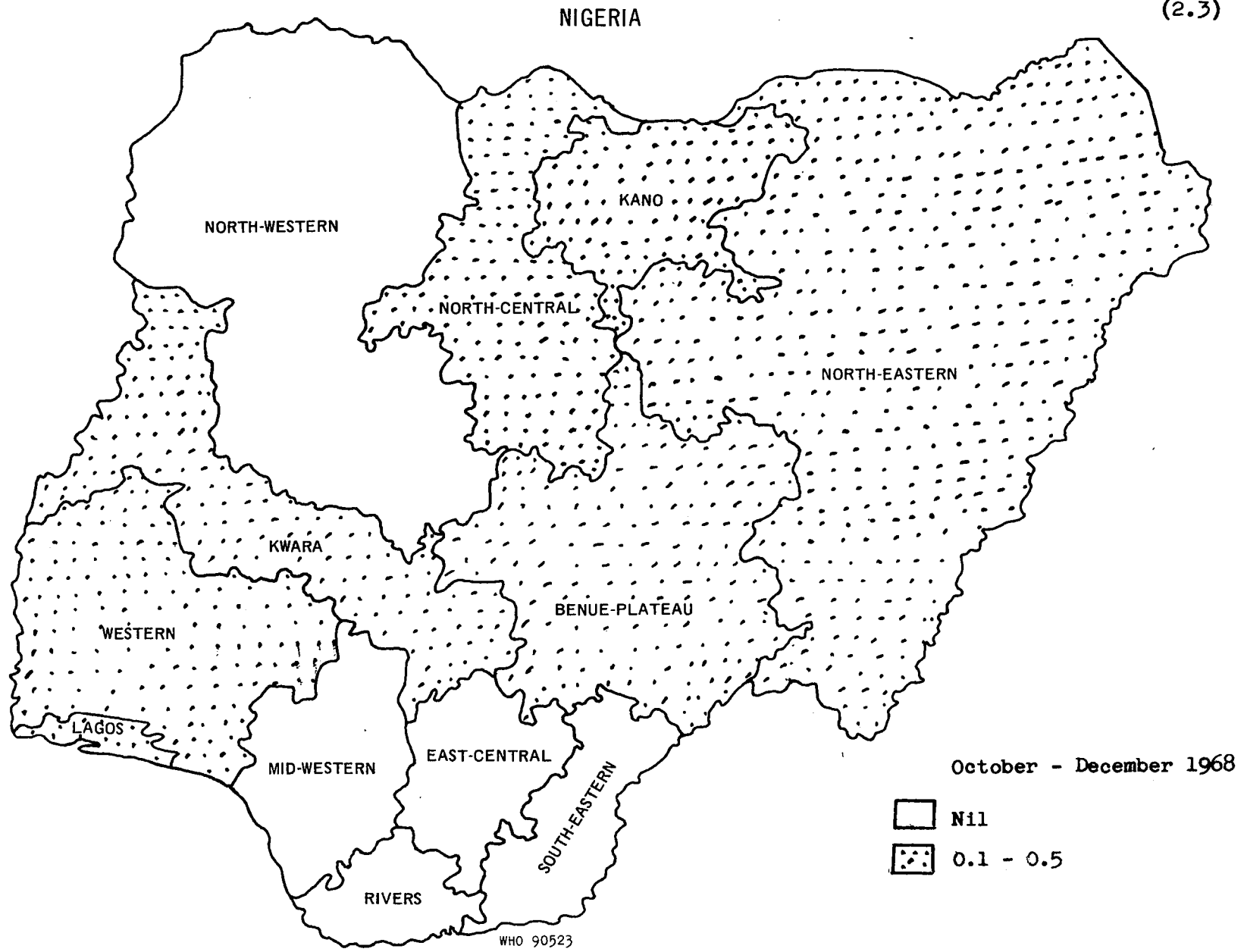


Figure 8
(2.3)

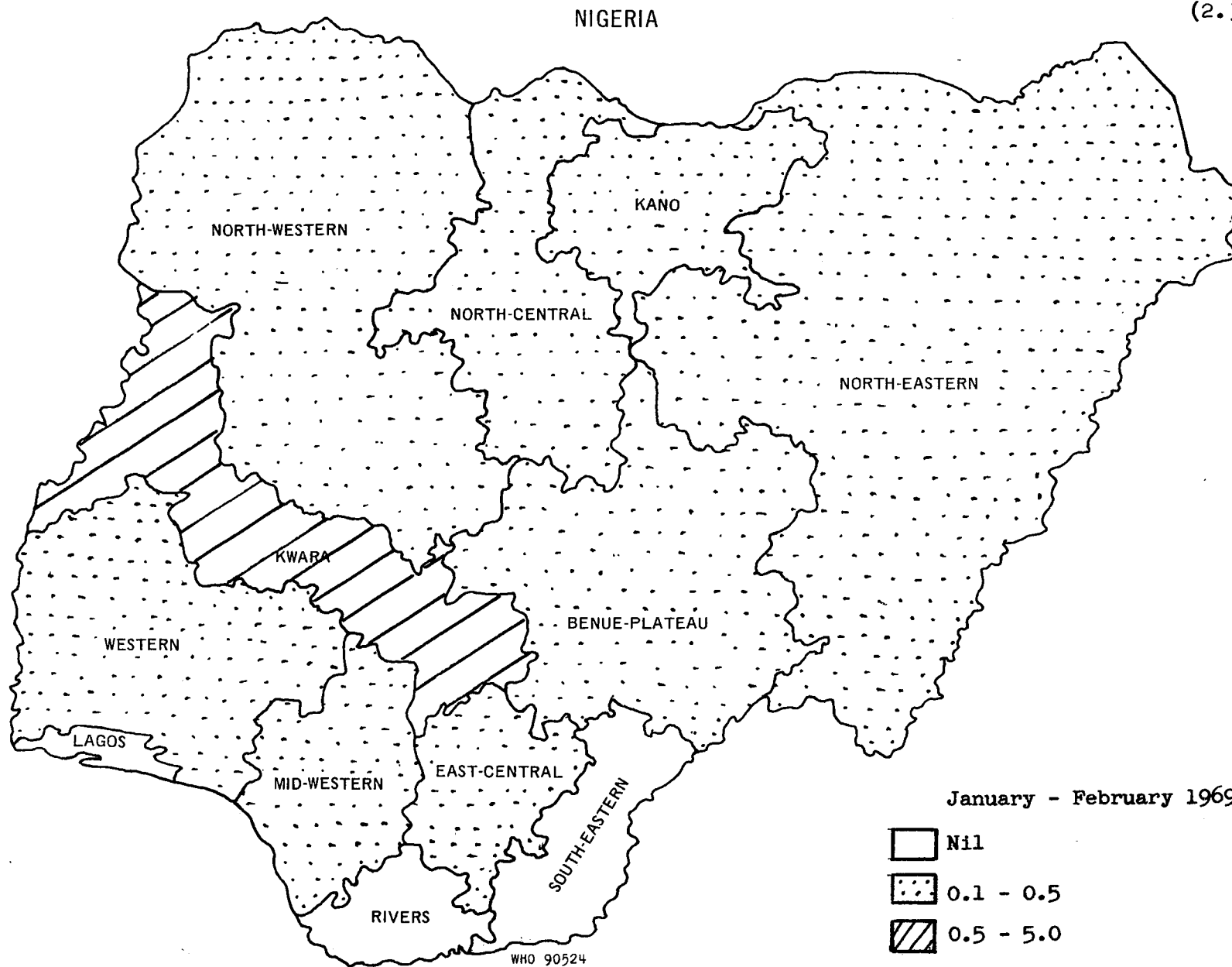


Figure 9
(2.6)

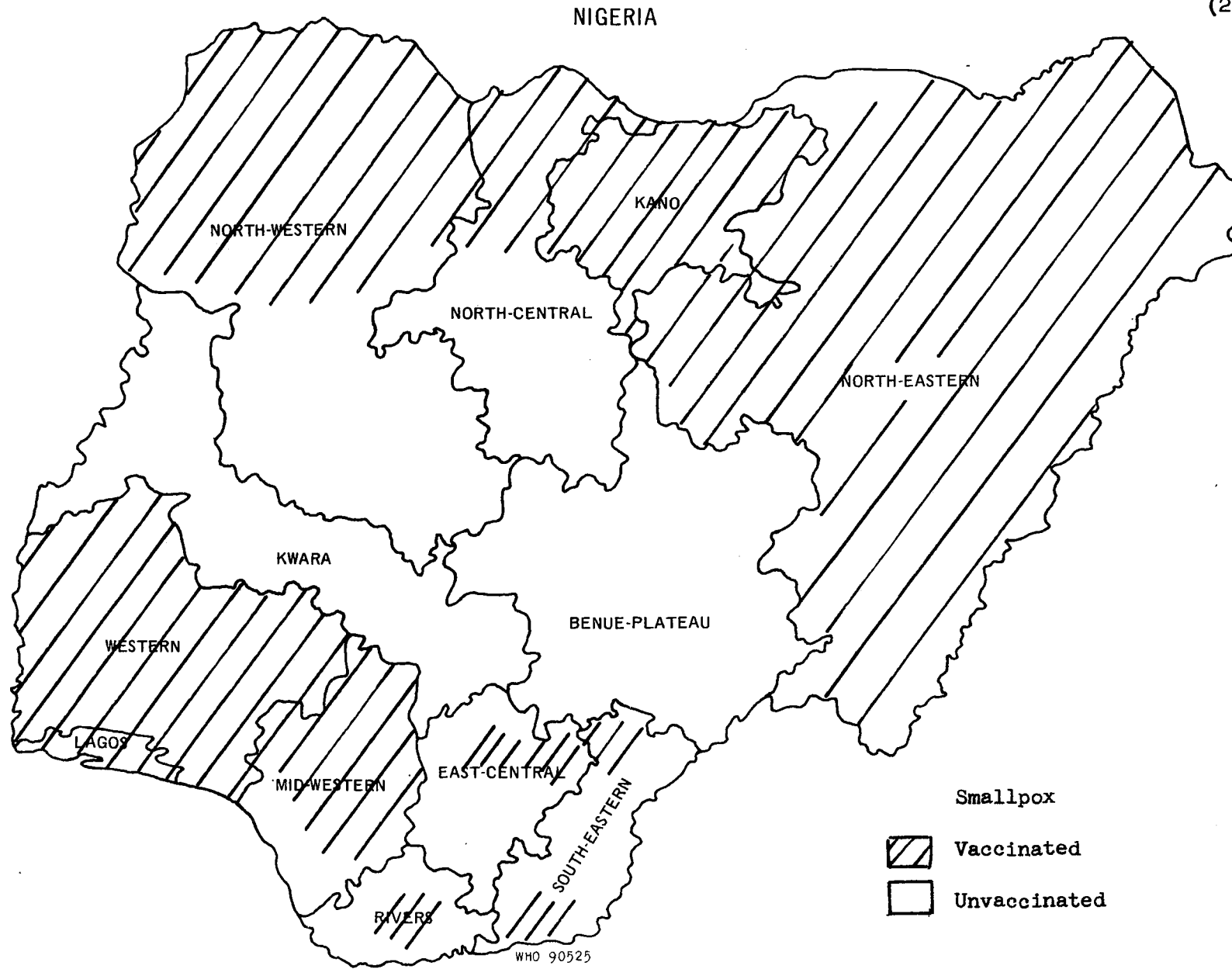


Figure 10
(3.3)

