WORLD HEALTH ORGANIZATION
ORGANISATION MONDIALE DE LA SANTÉ

INDEXED

Country C A R

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	
5-14	
15-44	
45+	
TOTAL	1 545 241

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)

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 [X] No [ ]

Other registry system (specify) Distribution of a Health Card

2.9 Youngest age for beginning smallpox vaccination:

Birth [X] 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 _____

Maintenance teams _____

Other (Specify) _____

TOTAL _____

Integrated with the 3 year programme of systematic case detection

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

Supervisory personnel (paramedical) _____

4.2 Number of vaccinators directly supervised by one superviser _____

4.3 Average number of vaccinations performed daily by each team:

Regular teams _____

Maintenance teams _____

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: _____ days per mo.

Other levels: _____ days per mo.

By advisory staff reviewing work of - Vaccination team: _____ days per mo.

Other levels: _____ days per mo.

5.1.2 Measures taken when vaccinator or assessor performance is unsatisfactory

_____

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 _____

Steps taken when the proportion of successful primary vaccination falls below 95% _____

_____

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.

_____%.

Steps taken if the coverage is not acceptable (i.e. revaccinate the area etc.) _____

Changes which have been made in the programme as a direct result of assessment _____

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) _____

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

_____

Other persons or groups who have been requested to notify cases

_____

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

_____ %

Best estimate of the percentage of cases which are reported:

	January 1967	February 1969
More than 90%	_____	_____
75-89%	_____	_____
50-74%	_____	_____
Less than 50%	_____	_____

5.3.2 Case investigation and containment measures:

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

These teams are: Centralized ☐ Decentralized ☐

If decentralized, to what extent _____

_____

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

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

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

6.0 COMMODITIES

6.1 Vaccine use:

	Year	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
Smallpox vaccine	1967	415 000	15 000	400 000	380 000	
	1968	490 000	55 000	435 000	415 000	Normal Loss
	1969*	100 000	Unknown	Unknown	134 000	
Measles vaccine	1967	130 000	30 000	100 000	95 000	
	1968	120 000	25 000	95 000	84 000	Normal Loss
	1969*	80 000	Unknown	Unknown	47 000	

* January and February only

6.2 Equipment:

Item	Number Supplied*	Number in Operation	Comment
Trucks	7	7	
Ped-o-Jets	30	30	
Refrigerators	8	8	
Motorbikes	0	0	

* Since inception of the programme.

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

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COUNTRY

TABLEAU 1. DONNEES DEMOGRAPHIQUES PAR DIVISION GEOGRAPHIQUE
(Utiliser les divisions indiquées par les cartes)

TABLE 1. DEMOGRAPHIC DATA BY GEOGRAPHIC SUBDIVISION
(Use Subdivisions as shown on Country Maps)

Division géographique Geographic Subdivisions	Population approximative en 1969 Est. 1969 Population	Superficie (en km^2) Area (Square kms)	Densité de population au km^2 Population density per square km
Ombella-M'Poko	62 471	32 000	2,0
Lobaye	99 084	24 800	4,0
Haute-Sangha	131 346	43 800	3,0
Nana-Mambéré	111 504	26 550	4,2
Ouham-Péndé	166 535	32 000	5,2
Ouham	195 355	50 100	3,9
Ouaka	142 257	49 000	2,9
Kémo-Gribingui	96 974	37 300	2,6
Bamingui-Bangoran	18 743	62 500	0,3
Vakaga	11 615	38 720	0,3
Haute -Kotto	33 553		
M'Bomou	88 004	62 860	1,4
Basse-Kotto	117 137	17 500	6,7
Haut-M'Bomou	32 692	54 500	0,6
Bangui-Ville	237 971		
Total	1 545 241		

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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

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TABLEAU 3. CAS DE VARIOLE PAR AGE ET PAR SEXE
TABLE 3. SMALLPOX CASES BY AGE AND SEX

Mois / Month	Age								Age/Sexe inconnu / Unknown Age/Sex	Total
	0-4		5-14		15-44		45+			
	M	F	M	F	M	F	M	F		
J 1968										
F										
M										
A										
M										
J										
J										
A										
S										
O										
N										
D										
J 1969										
F										

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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	Total 1968				J-F 1969	Total général* / Grand total*
Secteur 1	115 841			101 435		17 992	235 268
Secteur 2	62 525			65 661		20 100	148 286
Secteur 3	76 171			74 417		36 147	186 735
Secteur 4	77 937			105 173		25 435	208 545
Secteur 5	46 675			68 566		33 899	149 140
Total	379 149			415 252		133 573	927 974

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

* Includes the total since the inception of the programme.

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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 / Geographic Subdivisions	Nombre de vaccinations prévues/Number of vaccinations planned			
	1969		1970	
	Juillet-septembre / July-September	Octobre-décembre / October-December	Janvier-mars / January-March	Avril-juin / April-June
Total				

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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 / Geographic Subdivisions	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
Ombella-M'Poko	123	178	128	299	92	64	82	42	68	17	12	13	1 136		
Lobaye	53	74	63	77	2	36	11	-	-	15	13	32	376		
Haute-Sangha	1	14	7	2	-	1	-	-	-	-	-	2	22		
Nana- Mambéré	2	9	3	3	12	4	2	1	3	48	399	364	841		
Ouham-Péndé	19	4	9	9	-	-	-	2	-	3	2	4	52		
Ouham	22	155	74	72	43	53	59	54	-	58	190	259	1 039		
Kémo-Gribingui	66	125	113	55	42	42	5	1	3	3	13	20	488		
Ouaka	143	70	19	51	19	22	30	9	3	4	8	56	434		
Bamingui-Bangoran	37	95	53	19	30	8	2	-	-	-	-	-	244		
Haute-Kotto	109	91	-	-	-	-	-	-	-	-	-	-	200		
Basse-Kotto	9	19	-	24	44	17	7	-	2	6	-	3	131		
M'Bomou	-	-	68	43	385	242	182	-	3	-	-	2	935		
Haut-M'Bomou	6	4	12	36	20	15	4	4	1	-	-	4	106		
Vakaga	201	131	8	89	98	93	11	-	-	-	-	-	631		
	/	/		/									/		
Total	731	913	557	789	787	597	395	113	83	154	637	759	6 625		

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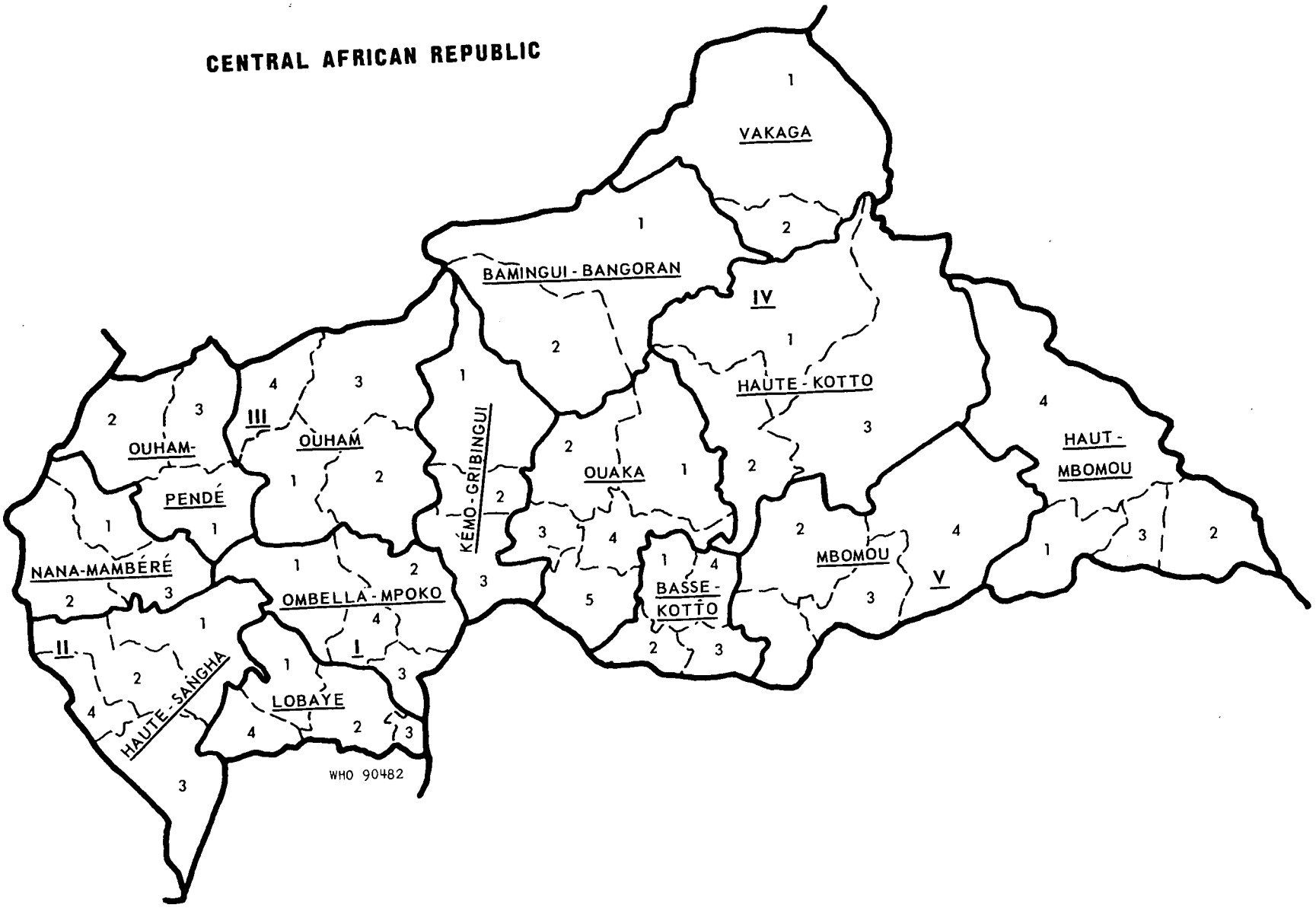
TABLEAU 7. VACCINATIONS ANTIROUGEOLEUSES EFFECTUEES, PAR DIVISION GEOGRAPHIQUE
(Divisions indiquées par les cartes)

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

Division géographique / Geographic Subdivisions	1967	1968		Janvier-février 1969	Total général* / Grand total*
Secteur 1	26 682	24 585		3 920	55 187
Secteur 2	21 988	8 303		7 800	38 091
Secteur 3	17 977	18 062		8 247	44 286
Secteur 4	16 751	15 836		3 740	36 327
Secteur 5	10 880	15 996		6 709	33 585
Total					207 476

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

* Includes the total since the inception of the programme.


CENTRAL AFRICAN REPUBLIC
VAKAGA
BAMINGUI-BANGORAN
IV
HAUTE-KOTTO
HAUT-MBOMOU
KÉMO-GRIBINGUI
OUHAM
III
OUHAM-PENDÉ
OUAKA
NANA-MAMBÉRÉ
OMBELLA-MPOKO
I
MBOMOU
V
BASSE-KOTTO
II
HAUTE-SANGHA
LOBAYE
WHO 90482

CENTRAL AFRICAN REPUBLIC

LEGEND

A. MEDICAL SECTORS — POPULATION

- I — 289,390
- II — 242,920
- III — 361,640
- IV — 291,140
- V — 226,600

B. PRÉFECTURE AND SOUS-PRÉFECTURE

OUHAM-PENDE
1. Bozoum
2. Bocaranga
3. Paoua

BOUAR-BABOUA
1. Bouar
2. Baboua

HAUTE SANGHA
1. Carnot
2. Berberati
3. Nola

LOBAYE
1. Boda
2. Mbaïki
3. Mongoumba

OMBELLA-MPOKO
1. Bossembélé
2. Damara
3. Bangui

OUHAM
1. Bossangoa
2. Bouca
3. Batangafo

KÉMO-GRIBINGUI
1. Crampel
2. Dékoa
3. Sibut

SOUS-PRÉFECTURE AUTONOME DE NDÉLÉ

SOUS-PRÉFECTURE AUTONOME DE BIRAO

HAUTE KOTTO
1. Ouadda
2. Bria
3. Yalinga

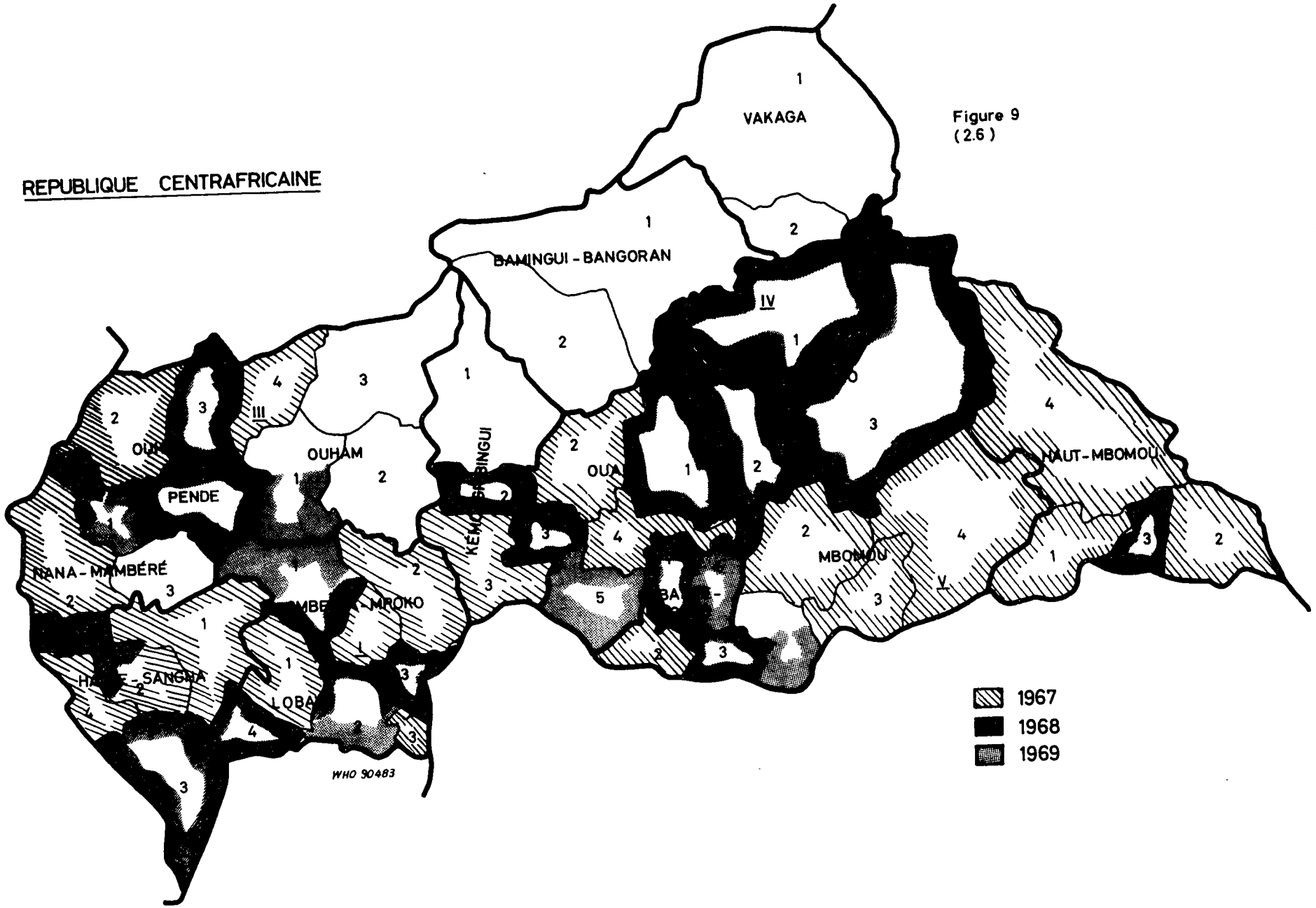
OUAKA
1. Ippy
2. Bakala
3. Grimari
4. Bambari
5. Kouango

BASSE KOTTO
1. Alindao
2. Mobaye
3. Kembé

MBOMOU
1. Ouango
2. Bakouma
3. Bangassou
4. Rafaï

OBO-ZÉMIO
1. Zémio
2. Obo

Figure 9
(2.6)


REPUBLIQUE CENTRAFRICAINE
VAKAGA
BAMINGUI - BANGORAN
OUHAM
PENDE
NANA - MAMBÉRÉ
MBOMOU
HAUT - MBOMOU
LOBAYE
WHO 90483
1967
1968
1969